MULTI V™ WATER IV

Heat Pump 380-415V+380V
R410A(50Hz/60Hz)
0CVW0-01F(Replaces 0CVT0-01E)

LG
TOTAL HVAC SOLUTION PROVIDER

ENGINEERING PRODUCT DATA BOOK

LG
Life's Good

P/No. : MFL61741615

MULTI V™ WATER IV

General Information

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Special Guide

MULTI V™ WATER IV

General Information

1. Model Names

Power Supply	8HP	10HP	12HP	14HP	16HP	18HP	20HP
3Ø, 380-415, 50Hz 3Ø, 380V, 60Hz	080LAS4	100LAS4	120LAS4	140LAS4	160LAS4	180LAS4	200LAS4

Power Supply	22HP	24HP	26HP	28HP	30HP	32HP	34HP
3Ø, 380-415, 50Hz 3Ø, 380V, 60Hz	220LAS4	240LAS4	260LAS4	280LAS4	300LAS4	320LAS4	340LAS4

Power Supply	36HP	38HP	40HP	42HP	44HP	46HP	48HP
3Ø, 380-415, 50Hz 3Ø, 380V, 60Hz	360LAS4	380LAS4	400LAS4	420LAS4	440LAS4	460LAS4	480LAS4

Power Supply	50HP	52HP	54HP	56HP	58HP	60HP	62HP	64HP
3Ø, 380-415, 50Hz 3Ø, 380V, 60Hz	500LAS4	520LAS4	540LAS4	560LAS4	580LAS4	600LAS4	620LAS4	640LAS4

Power Supply	66HP	68HP	70HP	72HP	74HP	76HP	78HP	80HP
3Ø, 380-415, 50Hz 3Ø, 380V, 60Hz	660LAS4	680LAS4	700LAS4	720LAS4	740LAS4	760LAS4	780LAS4	800LAS4

Heat Pump	ARWN

2. External Appearance

■ Heat Pump

Chassis	Model Name	Model
UWC	ARWN080LAS4 ARWN100LAS4 ARWN120LAS4 ARWN140LAS4 ARWN160LAS4 ARWN180LAS4 ARWN200LAS4	
UWC UWC	ARWN220LAS4 ARWN240LAS4 ARWN260LAS4 ARWN280LAS4 ARWN300LAS4 ARWN320LAS4 ARWN340LAS4 ARWN360LAS4 ARWN380LAS4 ARWN400LAS4	
UWC UWC UWC	ARWN420LAS4 ARWN440LAS4 ARWN460LAS4 ARWN480LAS4 ARWN500LAS4 ARWN520LAS4 ARWN540LAS4 ARWN560LAS4 ARWN580LAS4 ARWN600LAS4	
UWC UWC UWC UWC	ARWN620LAS4 ARWN640LAS4 ARWN660LAS4 ARWN680LAS4 ARWN700LAS4 ARWN720LAS4 ARWN740LAS4 ARWN760LAS4 ARWN780LAS4 ARWN800LAS4	

3. Combination of Outside Units

■ Heat Pump

System Capacity	Number of Units	Module(HP)						
		8	10	12	14	16	18	20
ARWN080LAS4	1	1						
ARWN100LAS4	1		1					
ARWN120LAS4	1			1				
ARWN140LAS4	1				1			
ARWN160LAS4	1					1		
ARWN180LAS4	1						1	
ARWN200LAS4	1							1
ARWN220LAS4	2		1	1				
ARWN240LAS4	2			2				
ARWN260LAS4	2			1	1			
ARWN280LAS4	2				2			
ARWN300LAS4	2				1	1		
ARWN320LAS4	2				1		1	
ARWN340LAS4	2				1			1
ARWN360LAS4	2						2	
ARWN380LAS4	2						1	1
ARWN400LAS4	2							2
ARWN420LAS4	3		1	1				1
ARWN440LAS4	3			2				1
ARWN460LAS4	3			1	1			1
ARWN480LAS4	3				2			1
ARWN500LAS4	3				1	1		1
ARWN520LAS4	3				1		1	1
ARWN540LAS4	3				1			2
ARWN560LAS4	3						2	1
ARWN580LAS4	3						1	2
ARWN600LAS4	3							3
ARWN620LAS4	4		1	1				2
ARWN640LAS4	4			2				2
ARWN660LAS4	4			1	1			2
ARWN680LAS4	4				2			2
ARWN700LAS4	4				1	1		2
ARWN720LAS4	4				1		1	2
ARWN740LAS4	4				1			3
ARWN760LAS4	4						2	2
ARWN780LAS4	4						1	3
ARWN800LAS4	4							4

4. Nomenclature

ARW N 100 L A S 4

4	Serial Number
S	S : Standard
A	A: Basic Function
L	Electrical Ratings L: 3Ø, 380 - 415V, 50Hz / 3Ø, 380V, 60Hz
100	Total Cooling Capacity in Horse Power(HP) unit EX) 10HP → '100'
N	Combination of Inverter Type and Cooling Only or Heat Pump N: Inverter and H/P
ARW	Indicates that this is MULTI V Water System Outside Unit using the R410A

5. Indoor Unit and Outside Unit Capacity Index

5.1 Outside Unit Selection

See the indoor unit capacity tables for given Indoor and outside(outdoor) temperature. Select the unit whose capacity is the nearest to or greater than given load.

Note:
Individual Indoor Unit capacity is subject to change by combination. Actual capacity has to be calculated according to the combination by using outside unit capacity table.

5.2 Outside Unit Selection

Allowable combinations are indicated below. In general, outside unit can be selected depending on the location of the unit, zoning and usage of the rooms.
The indoor and outside unit combination is determined by comparing the sum of indoor unit capacity index with each Outside Unit. It is recommended to be the nearest to 100% combination ratio or to be smaller than that. Refer the table below. To manage cooling/heating load properly, it's better to be selected the bigger capacity outside unit rather than the nearest, if the installation space is large enough.

Allowable Total Capacity Index Table of Combined Indoor Units

Outside Unit Capacity(HP)	Indoor Unit Combination Ratio										
	50%	60%	70%	80%	90%	100%	110%	120%	130%	160%	200%
8	11.2	13.4	15.7	17.9	20.2	22.4	24.6	26.9	29.1	35.8	44.8
10	14.0	16.8	19.6	22.4	25.2	28.0	30.8	33.6	36.4	44.8	56.0
12	16.8	20.2	23.5	26.9	30.2	33.6	37.0	40.3	43.7	53.8	67.2
14	19.6	23.5	27.4	31.4	35.3	39.2	43.1	47.0	51.0	62.7	78.4
16	22.4	26.9	31.4	35.8	40.3	44.8	49.3	53.8	58.2	71.7	89.6
18	25.2	30.2	35.3	40.3	45.4	50.4	55.4	60.5	65.5	80.6	100.8
20	28.0	33.6	39.2	44.8	50.4	56.0	61.6	67.2	72.8	89.6	112.0
22	30.8	37.0	43.1	49.3	55.4	61.6	67.8	73.9	80.1	98.6	-
24	33.6	40.3	47.0	53.8	60.5	67.2	73.9	80.6	87.4	107.5	-
26	36.4	43.7	51.0	58.2	65.5	72.8	80.1	87.4	94.6	116.5	-
28	39.2	47.0	54.9	62.7	70.6	78.4	86.2	94.1	101.9	125.4	-
30	42.0	50.4	58.8	67.2	75.6	84.0	92.4	100.8	109.2	134.4	-
32	44.8	53.8	62.7	71.7	80.6	89.6	98.6	107.5	116.5	143.4	-
34	47.6	57.1	66.6	76.2	85.7	95.2	104.7	114.2	123.8	152.3	-
36	50.4	60.5	70.6	80.6	90.7	100.8	110.9	121.0	131.0	161.3	-
38	53.2	63.8	74.5	85.1	95.8	106.4	117.0	127.7	138.3	170.2	-
40	56.0	67.2	78.4	89.6	100.8	112.0	123.2	134.4	145.6	179.2	-
42	58.8	70.6	82.3	94.1	105.8	117.6	129.4	141.1	152.9	-	-
44	61.6	73.9	86.2	98.6	110.9	123.2	135.5	147.8	160.2	-	-
46	64.4	77.3	90.2	103.0	115.9	128.8	141.7	154.6	167.4	-	-
48	67.2	80.6	94.1	107.5	121.0	134.4	147.8	161.3	174.7	-	-
50	70.0	84.0	98.0	112.0	126.0	140.0	154.0	168.0	182.0	-	-
52	72.8	87.4	101.9	116.5	131.0	145.6	160.2	174.7	189.3	-	-
54	75.6	90.7	105.8	121.0	136.1	151.2	166.3	181.4	196.6	-	-
56	78.4	94.1	109.8	125.4	141.1	156.8	172.5	188.2	203.8	-	-
58	81.2	97.4	113.7	129.9	146.2	162.4	178.6	194.9	211.1	-	-
60	84.0	100.8	117.6	134.4	151.2	168.0	184.8	201.6	218.4	-	-
62	86.8	104.2	121.5	138.9	156.2	173.6	191.0	208.3	225.7	-	-
64	89.6	107.5	125.4	143.4	161.3	179.2	197.1	215.0	233.0	-	-
66	92.4	110.9	129.4	147.8	166.3	184.8	203.3	221.8	240.2	-	-
68	95.2	114.2	133.3	152.3	171.4	190.4	209.4	228.5	247.5	-	-
70	98.0	117.6	137.2	156.8	176.4	196.0	215.6	235.2	254.8	-	-
72	100.8	121.0	141.1	161.3	181.4	201.6	221.8	241.9	262.1	-	-
74	103.6	124.3	145.0	165.8	186.5	207.2	227.9	248.6	269.4	-	-
76	106.4	127.7	149.0	170.2	191.5	212.8	234.1	255.4	276.6	-	-
78	109.2	131.0	152.9	174.7	196.6	218.4	240.2	262.1	283.9	-	-
80	112.0	134.4	156.8	179.2	201.6	224.0	246.4	268.8	291.2	-	-

❈ Capacity Index is same as the capacity(kW).

5. Indoor Unit and Outside Unit Capacity Index

Indoor unit capacity index

Unit Capacity (Btu/h)	5k	7k	9k	12k	15k	18k	21k	24k	28k	36k	42k	48k	54k	76k	96k
Capacity Index	1.6	2.2	2.8	3.6	4.5	5.6	6.2	7.1	8.2	10.6	12.3	14.1	15.8	22.4	28.0

❈ Capacity Index is same as the capacity(kW).

⚠CAUTION

- **Ratio of the running Indoor Units to the Outside: Within 10 ~ 100%**
- **A combination operation over 100% cause to reduce each indoor unit capacity.**

■ Combination ratio (50~200%)

Number of Outside units	Combination Ratio
Single Unit	200 %
Two Units combination	160 %
Three or more Units combination	130 %

Notes :

**1) We can guarantee the operation only within 130% Combination Ratio.
If you want to connect more than 130% combination Ratio, please contact us and discuss the requirement.**

2) In case that operating indoor units ratio to rated capacity of Outside unit is more than 130%, the airflow should be operated as low step in the all indoor units.

6. Outside Unit Function

Category	Functions	Multi V Water IV
Reliability	Defrost / Deicing	X
	High pressure switch	O
	Phase protection	O
	Restart delay (3-minutes)	O
	Self diagnosis	O
	Soft start	O
	Test Run function	O
CAC network function	Network soluation(LGAP)	O

Note :
O : Applied, X : Not applied
Accessory model name : Installed at field, ordered and purchased separately by the corresponding model name, supplied with separate package.

Device		Accessory Model Name
Central Controller	AC Ez (Simple Controller)	PQCSZ250S0
	AC Smart IV	PACS4B000
	AC Smart Premium	PQCSW421E0A
	ACP(Advanced Control Platform) Standard	PQCPC22N0
	ACP(Advanced Control Platform) IV	PQCPC22A0
	AC Manager Plus	PQCSSA21E0
	AC Manager IV	PACM4B000
	ACS IO Module	PEXPMB000
	DO(Digital Output) Kit	PQNFP00T0
BNU (Building Network Unit)	ACP Lonworks	PLNWKB000
	ACP BACnet	PQNFB17C0
Installation	Refrigerant Charging Kit	O (Logical operation)
	Variable Water Flow Valve Control KIT	PRVC0
PDI(power distribution indicator) Standard		PPWRDB000
PDI(power distribution indicator) Premium		PQNUD1S40
Cool / Heat Selector		PRDSBM
Low Ambient Kit		PRVC2
IO Module (ODU Dry Contact)		PVDSMN000
Cycle Monitoring Device	LG MV	PRCT-FE1
	Mobile LGMV(Bluetooth)	PMVBTQ01

Note :
O : Applied, X : Not applied
Accessory model name : Installed at field, ordered and purchased separately by the corresponding model name, supplied with separate package.

MULTI V™ WATER IV

Outside Units

1. Specifications

■ Heat Pump

[50Hz/60Hz]

System Capacity		HP	8	10	12
Model Name		Combination Unit	ARWN080LAS4	ARWN100LAS4	ARWN120LAS4
		Independent Unit	ARWN080LAS4	ARWN100LAS4	ARWN120LAS4
Capacity	Cooling	kW	22.4	28.0	33.6
		kcal/h	19,300	24,100	28,900
		Btu/h	76,400	95,900	114,700
	Heating	kW	25.2	31.5	37.8
		kcal/h	21,700	27,100	32,500
		Btu/h	86,000	107,500	129,000
Input	Cooling	kW	3.86	5.09	6.46
	Heating	kW	4.20	5.34	6.75
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 1	(Inverter) x 1	(Inverter) x 1
	Piston Displacement	cm^3/rev	43.8	43.8	43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	4.2	4.2	4.2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	10.7	15.8	21.8
	Rated Water Flow	LPM	77	96	116
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)
	Heating		-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)
	Gas Pipes	mm(inch)	22.2(7/8)	22.2(7/8)	25.4(1)
Water Connecting Pipes	Inlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Outlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 1	(755 x 997 x 500) x 1	(755 x 997 x 500) x 1
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 1	(29-23/32 x 39-1/4 x 19-11/16) x 1	(29-23/32 x 39-1/4 x 19-11/16) x 1
Net Weight		kg	127 x 1	127 x 1	127 x 1
		lbs	280 x 1	280 x 1	280 x 1
Sound Pressure Level [3]	Cooling	dB(A)	47	50	56
	Heating	dB(A)	51	53	56
Sound Power Level [4]	Cooling	dB(A)	59	62	68
	Heating	dB(A)	63	65	68
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	5.8	5.8	5.8
		lbs	12.8	12.8	12.8
	t-CO2 eq		12.1	12.1	12.1
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			13(20)	16(25)	20(30)

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	14	16	18
Model Name		Combination Unit	ARWN140LAS4	ARWN160LAS4	ARWN180LAS4
		Independent Unit	ARWN140LAS4	ARWN160LAS4	ARWN180LAS4
Capacity	Cooling	kW	39.2	44.8	50.4
		kcal/h	33,700	38,500	43,300
		Btu/h	133,800	152,900	172,000
	Heating	kW	44.1	50.4	56.7
		kcal/h	37,900	43,300	48,800
		Btu/h	150,500	172,000	193,500
Input	Cooling	kW	7.84	8.15	9.69
	Heating	kW	8.17	8.54	10.13
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 1	(Inverter) x 1	(Inverter) x 1
	Piston Displacement	cm^3/rev	43.8	62.1	62.1
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	4.2	5.3	5.3
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	28.6	19.4	24.0
	Rated Water Flow	LPM	135	154	173
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)
	Heating		-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)
	Gas Pipes	mm(inch)	25.4(1)	28.58(1-1/8)	28.58(1-1/8)
Water Connecting Pipes	Inlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Outlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 1	(755 x 997 x 500) x 1	(755 x 997 x 500) x 1
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 1	(29-23/32 x 39-1/4 x 19-11/16) x 1	(29-23/32 x 39-1/4 x 19-11/16) x 1
Net Weight		kg	127 x 1	140 x 1	140 x 1
		lbs	280 x 1	309 x 1	309 x 1
Sound Pressure Level 3)	Cooling	dB(A)	58	53	55
	Heating	dB(A)	57	57	56
Sound Power Level 4)	Cooling	dB(A)	70	65	67
	Heating	dB(A)	69	69	68
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	5.8	3.0	3.0
		lbs	12.8	6.6	6.6
	t-CO2 eq		12.1	6.3	6.3
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			23(35)	26(40)	29(45)

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	20	22	24
Model Name		Combination Unit	ARWN200LAS4	ARWN220LAS4	ARWN240LAS4
		Independent Unit	ARWN200LAS4	ARWN120LAS4	ARWN120LAS4
				ARWN100LAS4	ARWN120LAS4
Capacity	Cooling	kW	56.0	61.6	67.2
		kcal/h	48,200	53,000	57,800
		Btu/h	191,100	210,600	229,400
	Heating	kW	63.0	69.3	75.6
		kcal/h	54,200	59,600	65,000
		Btu/h	215,000	236,500	258,000
Input	Cooling	kW	11.20	11.55	12.92
	Heating	kW	11.67	12.09	13.50
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 1	(Inverter) x 2	(Inverter) x 2
	Piston Displacement	cm^3/rev	62.1	43.8 + 43.8	43.8 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3	4.2+4.2	4.2 + 4.2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	30.1	21.8 + 15.8	21.8 + 21.8
	Rated Water Flow	LPM	192	116 + 96	116 + 116
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)
	Heating		-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	12.7(1/2)	19.05(3/4)	19.05(3/4)
	Gas Pipes	mm(inch)	28.58(1-1/8)	34.9(1-3/8)	34.9(1-3/8)
Water Connecting Pipes	Inlet	mm	PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 1	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 1	(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 2
Net Weight		kg	140 x 1	127 x 2	127 x 2
		lbs	309 x 1	280 x 2	280 x 2
Sound Pressure Level 3)	Cooling	dB(A)	54	57	57
	Heating	dB(A)	60	57	57
Sound Power Level 4)	Cooling	dB(A)	66	70	70
	Heating	dB(A)	72	70	70
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	3.0	5.8 + 5.8	5.8 + 5.8
		lbs	6.6	12.8 + 12.8	12.8 + 12.8
	t-CO2 eq		6.3	24.2	24.2
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			32(50)	35(44)	39(48)

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	26	28	30
Model Name		Combination Unit	ARWN260LAS4	ARWN280LAS4	ARWN300LAS4
		Independent Unit	ARWN140LAS4	ARWN140LAS4	ARWN160LAS4
			ARWN120LAS4	ARWN140LAS4	ARWN140LAS4
Capacity	Cooling	kW	72.8	78.4	84.0
		kcal/h	62,600	67,400	72,200
		Btu/h	248,500	267,600	286,700
	Heating	kW	81.9	88.2	94.5
		kcal/h	70,400	75,800	81,200
		Btu/h	279,500	301,000	322,500
Input	Cooling	kW	14.30	15.68	15.99
	Heating	kW	14.92	16.34	16.71
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 2	(Inverter) x 2	(Inverter) x 2
	Piston Displacement	cm^3/rev	43.8 + 43.8	43.8 + 43.8	62.1 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	4.2 + 4.2	4.2 + 4.2	5.3 + 4.2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	28.6 + 21.8	28.6 + 28.6	19.4 + 28.6
	Rated Water Flow	LPM	135 + 116	135 + 135	154 + 135
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)
	Heating		-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipes	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 2
Net Weight		kg	127 x 2	127 x 2	(140 x 1) + (127 x 1)
		lbs	280 x 2	280 x 2	(309 x 1) + (280 x 1)
Sound Pressure Level [3]	Cooling	dB(A)	59	59	59
	Heating	dB(A)	58	58	58
Sound Power Level [4]	Cooling	dB(A)	72	72	72
	Heating	dB(A)	71	71	71
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	5.8 + 5.8	5.8 + 5.8	3.0 + 5.8
		lbs	12.8 + 12.8	12.8 + 12.8	6.6 + 12.8
	t-CO2 eq		24.2	24.2	18.4
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			42(52)	45(56)	49(60)

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	32	34	36
Model Name		Combination Unit	ARWN320LAS4	ARWN340LAS4	ARWN360LAS4
		Independent Unit	ARWN180LAS4	ARWN200LAS4	ARWN180LAS4
			ARWN140LAS4	ARWN140LAS4	ARWN180LAS4
Capacity	Cooling	kW	89.6	95.2	100.8
		kcal/h	77,000	81,900	86,600
		Btu/h	305,800	324,900	344,000
	Heating	kW	100.8	107.1	113.4
		kcal/h	86,700	92,100	97,600
		Btu/h	344,000	365,500	387,000
Input	Cooling	kW	17.53	19.04	19.38
	Heating	kW	18.30	19.84	20.26
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 2	(Inverter) x 2	(Inverter) x 2
	Piston Displacement	cm^3/rev	62.1 + 43.8	62.1 + 43.8	62.1 + 62.1
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 4.2	5.3 + 4.2	5.3 + 5.3
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	24.0 + 28.6	30.1 + 28.6	24.0 + 24.0
	Rated Water Flow	LPM	173 + 135	192 + 135	173 + 173
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)
	Heating		-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipes	mm(inch)	34.9(1-3/8)	34.9(1-3/8)	41.3(1-5/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 2
Net Weight		kg	(140 x 1) + (127 x 1)	(140 x 1) + (127 x 1)	140 x 2
		lbs	(309 x 1) + (280 x 1)	(309 x 1) + (280 x 1)	309 x 2
Sound Pressure Level 3)	Cooling	dB(A)	59	59	56
	Heating	dB(A)	58	61	57
Sound Power Level 4)	Cooling	dB(A)	72	72	69
	Heating	dB(A)	71	74	70
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	3.0 + 5.8	3.0 + 5.8	3.0 + 3.0
		lbs	6.6 + 12.8	6.6 + 12.8	6.6 + 6.6
	t-CO2 eq		18.4	18.4	12.5
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			52(64)	55(64)	58(64)

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	38	40	42
Model Name		Combination Unit	ARWN380LAS4	ARWN400LAS4	ARWN420LAS4
		Independent Unit	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN180LAS4	ARWN200LAS4	ARWN120LAS4
					ARWN100LAS4
Capacity	Cooling	kW	106.4	112.0	117.6
		kcal/h	91,500	96,400	101,200
		Btu/h	363,100	382,200	401,400
	Heating	kW	119.7	126.0	132.3
		kcal/h	103,000	108,400	113,800
		Btu/h	408,400	429,900	451,500
Input	Cooling	kW	20.89	22.40	22.75
	Heating	kW	21.80	23.34	23.76
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 2	(Inverter) x 2	(Inverter) x 3
	Piston Displacement	cm^3/rev	62.1 + 62.1	62.1 + 62.1	62.1 + 43.8 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 5.3	5.3 + 5.3	5.3 + 4.2 + 4.2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	30.1 + 24.0	30.1 + 30.1	30.1 + 21.8 + 15.8
	Rated Water Flow	LPM	192 + 173	192 + 192	192 + 116 + 96
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)
	Heating		-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipes	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 2	(755 x 997 x 500) x 2	(755 x 997 x 500) x 3
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 2	(29-23/32 x 39-1/4 x 19-11/16) x 3
Net Weight		kg	140 x 2	140 x 2	(140 x 1) + (127 X 2)
		lbs	309 x 2	309 x 2	(309 x 1) + (280 X 2)
Sound Pressure Level [3]	Cooling	dB(A)	56	55	58
	Heating	dB(A)	61	61	62
Sound Power Level [4]	Cooling	dB(A)	69	68	72
	Heating	dB(A)	74	74	76
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	3.0 + 3.0	3.0 + 3.0	3.0 + 5.8 + 5.8
		lbs	6.6 + 6.6	6.6 + 6.6	6.6 + 12.8 + 12.8
	t-CO2 eq		12.5	12.5	30.5
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			61(64)	64	64

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	44	46	48
Model Name		Combination Unit	ARWN440LAS4	ARWN460LAS4	ARWN480LAS4
		Independent Unit	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN120LAS4	ARWN140LAS4	ARWN140LAS4
			ARWN120LAS4	ARWN120LAS4	ARWN140LAS4
Capacity	Cooling	kW	123.2	128.8	134.4
		kcal/h	106,000	110,800	115,600
		Btu/h	420,500	439,600	458,700
	Heating	kW	138.6	144.9	151.2
		kcal/h	119,200	124,600	130,000
		Btu/h	473,000	494,500	516,000
Input	Cooling	kW	24.12	25.50	26.88
	Heating	kW	25.17	26.59	28.01
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 3	(Inverter) x 3	(Inverter) x 3
	Piston Displacement	cm^3/rev	62.1 + 43.8 + 43.8	62.1 + 43.8 + 43.8	62.1 + 43.8 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 4.2 + 4.2	5.3 + 4.2 + 4.2	5.3 + 4.2 + 4.2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	30.1 + 21.8 + 21.8	30.1 + 28.6 + 21.8	30.1 + 28.6 + 28.6
	Rated Water Flow	LPM	192 + 116 + 116	192 + 135 + 116	192 + 135 + 135
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)
	Heating		-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipes	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 3	(29-23/32 x 39-1/4 x 19-11/16) x 3	(29-23/32 x 39-1/4 x 19-11/16) x 3
Net Weight		kg	(140 x 1) + (127 X 2)	(140 x 1) + (127 X 2)	(140 x 1) + (127 X 2)
		lbs	(309 x 1) + (280 X 2)	(309 x 1) + (280 X 2)	(309 x 1) + (280 X 2)
Sound Pressure Level [3]	Cooling	dB(A)	58	60	60
	Heating	dB(A)	62	62	62
Sound Power Level [4]	Cooling	dB(A)	72	74	74
	Heating	dB(A)	76	76	76
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	3.0 + 5.8 + 5.8	3.0 + 5.8 + 5.8	3.0 + 5.8 + 5.8
		lbs	6.6 + 12.8 + 12.8	6.6 + 12.8 + 12.8	6.6 + 12.8 + 12.8
	t-CO2 eq		30.5	30.5	30.5
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			64	64	64

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases.
   (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	50	52	54
Model Name		Combination Unit	ARWN500LAS4	ARWN520LAS4	ARWN540LAS4
		Independent Unit	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN160LAS4	ARWN180LAS4	ARWN200LAS4
			ARWN140LAS4	ARWN140LAS4	ARWN140LAS4
Capacity	Cooling	kW	140.0	145.6	151.2
		kcal/h	120,400	125,200	130,100
		Btu/h	477,800	496,900	516,000
	Heating	kW	157.5	163.8	170.1
		kcal/h	135,400	140,900	146,300
		Btu/h	537,500	559,000	580,500
Input	Cooling	kW	27.19	28.73	30.24
	Heating	kW	28.38	29.97	31.51
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 3	(Inverter) x 3	(Inverter) x 3
	Piston Displacement	cm^3/rev	62.1 + 62.1 + 43.8	62.1 + 62.1 + 43.8	62.1 + 62.1 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 5.3 + 4.2	5.3 + 5.3 + 4.2	5.3 + 5.3 + 4.2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	30.1 + 19.4 + 28.6	30.1 + 24.0 + 28.6	30.1 + 28.6 + 28.6
	Rated Water Flow	LPM	192 + 154 + 135	192 + 173 + 135	192 + 192 + 135
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)
	Heating		-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipes	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 3	(29-23/32 x 39-1/4 x 19-11/16) x 3	(29-23/32 x 39-1/4 x 19-11/16) x 3
Net Weight		kg	(140 x 2) + (127 X 1)	(140 x 2) + (127 X 1)	(140 x 2) + (127 X 1)
		lbs	(309 x 2) + (280X1)	(309 x 2) + (280X1)	(309 x 2) + (280X1)
Sound Pressure Level 3)	Cooling	dB(A)	60	60	60
	Heating	dB(A)	62	62	62
Sound Power Level 4)	Cooling	dB(A)	74	74	74
	Heating	dB(A)	76	76	76
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	3.0 + 3.0 + 5.8	3.0 + 3.0 + 5.8	3.0 + 3.0 + 5.8
		lbs	6.6 + 6.6 + 12.8	6.6 + 6.6 + 12.8	6.6 + 6.6 + 12.8
	t-CO2 eq		24.6	24.6	24.6
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			64	64	64

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	56	58	60
Model Name		Combination Unit	ARWN560LAS4	ARWN580LAS4	ARWN600LAS4
		Independent Unit	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN180LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN180LAS4	ARWN180LAS4	ARWN200LAS4
Capacity	Cooling	kW	156.8	162.4	168.0
		kcal/h	134,800	139,700	144,600
		Btu/h	535,100	554,200	573,300
	Heating	kW	176.4	182.7	189.0
		kcal/h	151,800	157,200	162,600
		Btu/h	602,000	623,500	645,000
Input	Cooling	kW	30.58	32.09	33.60
	Heating	kW	31.93	33.47	35.01
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 3	(Inverter) x 3	(Inverter) x 3
	Piston Displacement	cm^3/rev	62.1 + 62.1 + 62.1	62.1 + 62.1 + 62.1	62.1 + 62.1 + 62.1
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 5.3 + 5.3	5.3 + 5.3 + 5.3	5.3 + 5.3 + 5.3
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	30.1 + 24.0 + 24.0	30.1 + 30.1 + 24.0	30.1 + 30.1 + 30.1
	Rated Water Flow	LPM	192 + 173 + 173	192 + 192+ 173	192 + 192+ 192
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 113°F)
	Heating		-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 113°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipes	mm(inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3	(755 x 997 x 500) x 3
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 3	(29-23/32 x 39-1/4 x 19-11/16) x 3	(29-23/32 x 39-1/4 x 19-11/16) x 3
Net Weight		kg	140 x 3	140 x 3	140 x 3
		lbs	309 x 3	309 x 3	309 x 3
Sound Pressure Level [3]	Cooling	dB(A)	57	57	56
	Heating	dB(A)	62	62	62
Sound Power Level [4]	Cooling	dB(A)	71	71	70
	Heating	dB(A)	76	76	76
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	3.0 + 3.0 + 3.0	3.0 + 3.0 + 3.0	3.0 + 3.0 + 3.0
		lbs	6.6 + 6.6 + 6.6	6.6 + 6.6 + 6.6	6.6 + 6.6 + 6.6
	t-CO2 eq		18.8	18.8	18.8
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			64	64	64

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	62	64	66
Model Name		Combination Unit	ARWN620LAS4	ARWN640LAS4	ARWN660LAS4
		Independent Unit	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN120LAS4	ARWN120LAS4	ARWN140LAS4
			ARWN100LAS4	ARWN120LAS4	ARWN120LAS4
Capacity	Cooling	kW	173.6	179.2	184.8
		kcal/h	149,400	154,200	159,000
		Btu/h	592,500	611,600	630,700
	Heating	kW	195.3	201.6	207.9
		kcal/h	168,000	173,400	178,800
		Btu/h	666,500	688,000	709,500
Input	Cooling	kW	33.95	35.32	36.70
	Heating	kW	35.43	36.84	38.26
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 4	(Inverter) x 4	(Inverter) x 4
	Piston Displacement	cm^3/rev	62.1 + 62.1 + 43.8 + 43.8	62.1 + 62.1 + 43.8 + 43.8	62.1 + 62.1 + 43.8 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 5.3 + 4.2 + 4.2	5.3 + 5.3 + 4.2 + 4.2	5.3 + 5.3 + 4.2 + 4.2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	30.1 + 30.1 + 21.8 + 15.8	30.1 + 30.1 + 21.8 + 21.8	30.1 + 30.1 + 28.6 + 21.8
	Rated Water Flow	LPM	192 + 192 + 116 + 96	192 + 192 + 116 + 116	192 + 192 + 135 + 116
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 114°F)	10°C ~ 45°C(50°F ~ 115°F)
	Heating		-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 114°F)	-5°C ~ 45°C(23°F ~ 115°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipes	mm(inch)	44.5(1-3/4)	44.5(1-3/4)	53.98(2-1/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 4	(29-23/32 x 39-1/4 x 19-11/16) x 4	(29-23/32 x 39-1/4 x 19-11/16) x 4
Net Weight		kg	(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)	(140 x 2) + (127 x 2)
		lbs	(309 x 2) + (280 x 2)	(309 x 2) + (280 x 2)	(309 x 2) + (280 x 2)
Sound Pressure Level 3)	Cooling	dB(A)	59	59	61
	Heating	dB(A)	63	63	63
Sound Power Level 4)	Cooling	dB(A)	73	73	75
	Heating	dB(A)	77	77	77
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	3.0 + 3.0 + 5.8 + 5.8	3.0 + 3.0 + 5.8 + 5.8	3.0 + 3.0 + 5.8 + 5.8
		lbs	6.6 + 6.6 + 12.8 + 12.8	6.6 + 6.6 + 12.8 + 12.8	6.6 + 6.6 + 12.8 + 12.8
	t-CO2 eq		36.7	36.7	36.7
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			64	64	64

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases. (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	68	70	72
Model Name		Combination Unit	ARWN680LAS4	ARWN700LAS4	ARWN720LAS4
		Independent Unit	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN140LAS4	ARWN160LAS4	ARWN180LAS4
			ARWN140LAS4	ARWN140LAS4	ARWN140LAS4
Capacity	Cooling	kW	190.4	196.0	201.6
		kcal/h	163,800	168,600	173,400
		Btu/h	649,800	668,900	688,000
	Heating	kW	214.2	220.5	226.8
		kcal/h	184,200	189,600	195,100
		Btu/h	731,000	752,500	774,000
Input	Cooling	kW	38.08	38.39	39.93
	Heating	kW	39.68	40.05	41.64
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 4	(Inverter) x 4	(Inverter) x 4
	Piston Displacement	cm^3/rev	62.1 + 62.1 + 43.8 + 43.8	62.1 + 62.1 + 62.1 + 43.8	62.1 + 62.1 + 62.1 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 5.3 + 4.2 + 4.2	5.3 + 5.3 + 5.3 + 4.2	5.3 + 5.3 + 5.3 + 4.2
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	30.1 + 30.1 + 28.6 + 28.6	30.1 + 30.1 + 19.4 + 28.6	30.1 + 30.1 + 24.0 + 28.6
	Rated Water Flow	LPM	192 + 192 + 135 + 135	192 + 192 + 154 + 135	192 + 192 + 173 + 135
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 116°F)	10°C ~ 45°C(50°F ~ 117°F)	10°C ~ 45°C(50°F ~ 118°F)
	Heating		-5°C ~ 45°C(23°F ~ 116°F)	-5°C ~ 45°C(23°F ~ 117°F)	-5°C ~ 45°C(23°F ~ 118°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipes	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 4	(29-23/32 x 39-1/4 x 19-11/16) x 4	(29-23/32 x 39-1/4 x 19-11/16) x 4
Net Weight		kg	(140 x 2) + (127 x 2)	(140 x 3) + (127 x 1)	(140 x 3) + (127 x 1)
		lbs	(309 x 2) + (280 x 2)	(309 x 3) + (280 x 1)	(309 x 3) + (280 x 1)
Sound Pressure Level 3)	Cooling	dB(A)	61	61	61
	Heating	dB(A)	63	63	63
Sound Power Level 4)	Cooling	dB(A)	75	75	75
	Heating	dB(A)	77	77	77
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	3.0 + 3.0 + 5.8 + 5.8	3.0 + 3.0 + 3.0 + 5.8	3.0 + 3.0 + 3.0 + 5.8
		lbs	6.6 + 6.6 + 12.8 + 12.8	6.6 + 6.6 + 6.6 + 12.8	6.6 + 6.6 + 6.6 + 12.8
	t-CO2 eq		36.7	30.9	30.9
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			64	64	64

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases.
   (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	74	76	78
Model Name		Combination Unit	ARWN740LAS4	ARWN760LAS4	ARWN780LAS4
		Independent Unit	ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN200LAS4	ARWN200LAS4	ARWN200LAS4
			ARWN200LAS4	ARWN180LAS4	ARWN200LAS4
			ARWN140LAS4	ARWN180LAS4	ARWN180LAS4
Capacity	Cooling	kW	207.2	212.8	218.4
		kcal/h	178,300	183,000	187,900
		Btu/h	707,100	726,200	745,300
	Heating	kW	233.1	239.4	245.7
		kcal/h	200,500	206,000	211,400
		Btu/h	795,500	817,000	838,500
Input	Cooling	kW	41.44	41.78	43.29
	Heating	kW	43.18	43.60	45.14
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 4	(Inverter) x 4	(Inverter) x 4
	Piston Displacement	cm^3/rev	62.1 + 62.1 + 62.1 + 43.8	62.1 + 62.1 + 62.1 + 62.1	62.1 + 62.1 + 62.1 + 62.1
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 5.3 + 5.3 + 4.2	5.3 + 5.3 + 5.3 + 5.3	5.3 + 5.3 + 5.3 + 5.3
	Starting Method		Direct On Line	Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45	45
	Head Loss	kPa	30.1 + 30.1 + 30.1 + 28.6	30.1 + 30.1 + 24.0 + 24.0	30.1 + 30.1 + 30.1 + 24.0
	Rated Water Flow	LPM	192 + 192 + 192 + 135	192 + 192 + 173 + 173	192 + 192 + 192 + 173
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 119°F)	10°C ~ 45°C(50°F ~ 120°F)	10°C ~ 45°C(50°F ~ 121°F)
	Heating		-5°C ~ 45°C(23°F ~ 119°F)	-5°C ~ 45°C(23°F ~ 120°F)	-5°C ~ 45°C(23°F ~ 121°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipes	mm(inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4	(755 x 997 x 500) x 4
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 4	(29-23/32 x 39-1/4 x 19-11/16) x 4	(29-23/32 x 39-1/4 x 19-11/16) x 4
Net Weight		kg	(140 x 3) + (127 x 1)	140 x 4	140 x 4
		lbs	(309 x 3) + (280 x 1)	309 x 4	309 x 4
Sound Pressure Level 3)	Cooling	dB(A)	61	58	58
	Heating	dB(A)	63	63	63
Sound Power Level 4)	Cooling	dB(A)	75	72	72
	Heating	dB(A)	77	77	77
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A	R410A
	Charge Amount	kg	3.0 + 3.0 + 3.0 + 5.8	3.0 + 3.0 + 3.0 + 3.0	3.0 + 3.0 + 3.0 + 3.0
		lbs	6.6 + 6.6 + 6.6 + 12.8	6.6 + 6.6 + 6.6 + 6.6	6.6 + 6.6 + 6.6 + 6.6
	t-CO2 eq		30.9	25.1	25.1
	Control Device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Maximum Connectable Number of Indoor Units			64	64	64

Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases.
   (R410A, GWP(Global warming potential) = 2087.5)

1. Specifications

[50Hz/60Hz]

System Capacity		HP	80
Model Name		Combination Unit	ARWN800LAS4
		Independent Unit	ARWN200LAS4
			ARWN200LAS4
			ARWN200LAS4
			ARWN200LAS4
Capacity	Cooling	kW	224.0
		kcal/h	192,800
		Btu/h	764,400
	Heating	kW	252.0
		kcal/h	216,800
		Btu/h	860,000
Input	Cooling	kW	44.80
	Heating	kW	46.68
Casing Color			Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll
	Combination		(Inverter) x 4
	Piston Displacement	cm^3/rev	62.1 + 62.1 + 62.1 + 62.1
	Number of revolution	rev/min	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 5.3 + 5.3 + 5.3
	Starting Method		Direct On Line
	Oil Type		FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45
	Head Loss	kPa	30.1 + 30.1 + 30.1 + 30.1
	Rated Water Flow	LPM	192 + 192 + 192 + 192
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 122°F)
	Heating		-5°C ~ 45°C(23°F ~ 122°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	22.2(7/8)
	Gas Pipes	mm(inch)	53.98(2-1/8)
Water Connecting Pipes	Inlet	mm	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)
	Outlet	mm	PT 40 + PT 40 + PT 40 + PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 x 997 x 500) x 4
		inch	(29-23/32 x 39-1/4 x 19-11/16) x 4
Net Weight		kg	140 x 4
		lbs	309 x 4
Sound Pressure Level 3)	Cooling	dB(A)	57
	Heating	dB(A)	63
Sound Power Level 4)	Cooling	dB(A)	71
	Heating	dB(A)	77
Transmission Cable(CVV-SB)		No.xmm^2(VCTF-SB)	2C x 1.0 ~ 1.5
Refrigerant	Name		R410A
	Charge Amount	kg	3.0 + 3.0 + 3.0 + 3.0
		lbs	6.6 + 6.6 + 6.6 + 6.6
	t-CO2 eq		25.1
	Control Device		Electronic expansion valve
Power Supply		V, Ø, Hz	380-415, 3, 50
			380, 3, 60
Maximum Connectable Number of Indoor Units			64

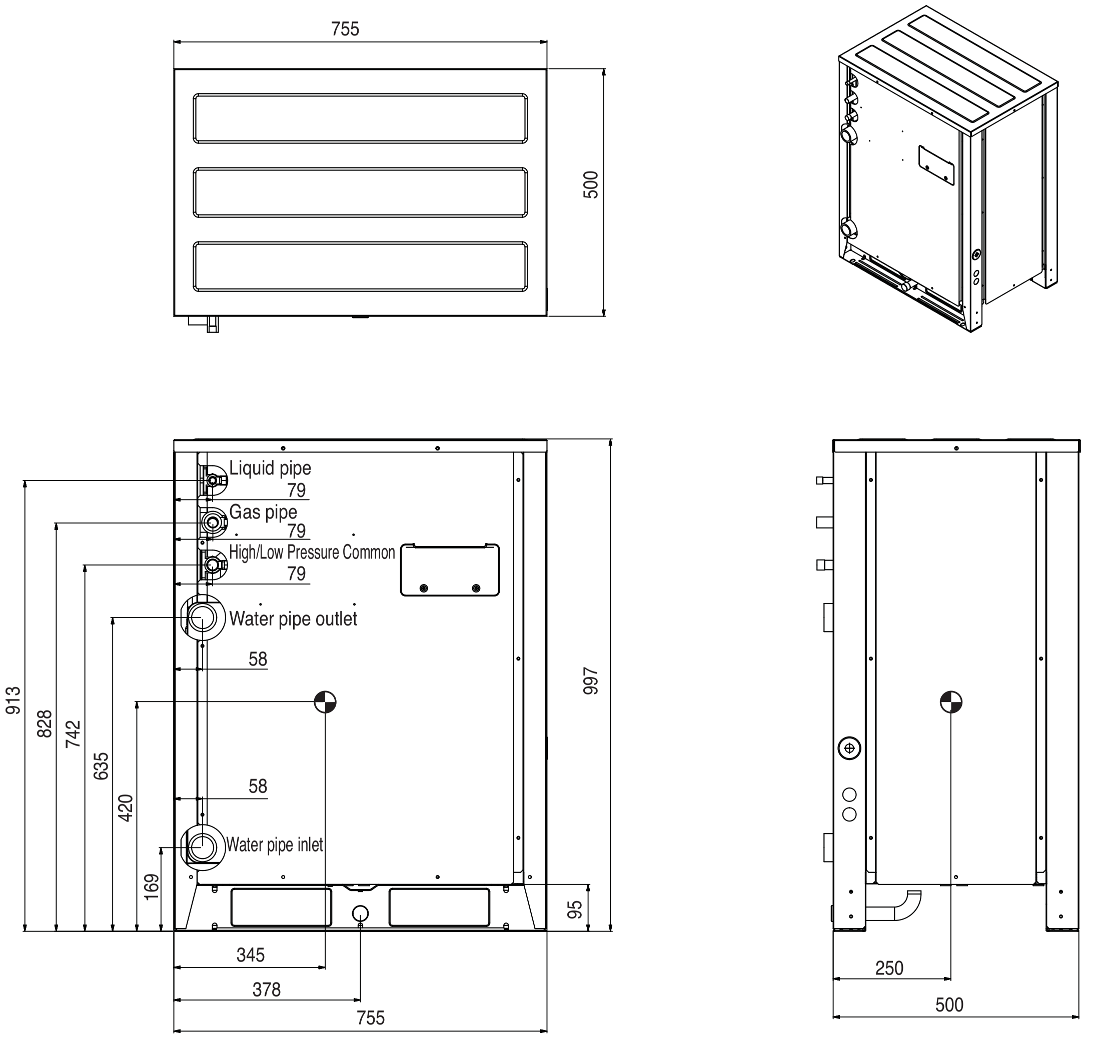
Notes:

1. Capacities and Inputs are based on the following conditions
   Cooling : Indoor temp. 27°C [80.6°F]DB/19°C[66.2°F]WB
   Water inlet temp. 30°C[86°F]
   Heating : Indoor temp. 20°C[68°F]DB
   Water Inlet temp. 20°C[68°F]
   * Interconnecting Piping Length 7.5m (25 ft.)
   * Level Difference of Zero
2. Capacities are net capacities.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
4. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
5. Wiring cable size must comply with the applicable local and national code.
6. Due to our policy of innovation some specifications may be changed without prior notification.
7. Add an anti freeze to circulation water when outside units is operating under 10°C(50°F), and change the DIP switch on main PCB. (For more information, refer a installation manual.)
8. This product contains Fluorinated greenhouse gases.
   (R410A, GWP(Global warming potential) = 2087.5)

2. Dimensions

UWC

ARWN080LAS4
ARWN100LAS4
ARWN120LAS4
ARWN140LAS4
ARWN160LAS4
ARWN180LAS4
ARWN200LAS4

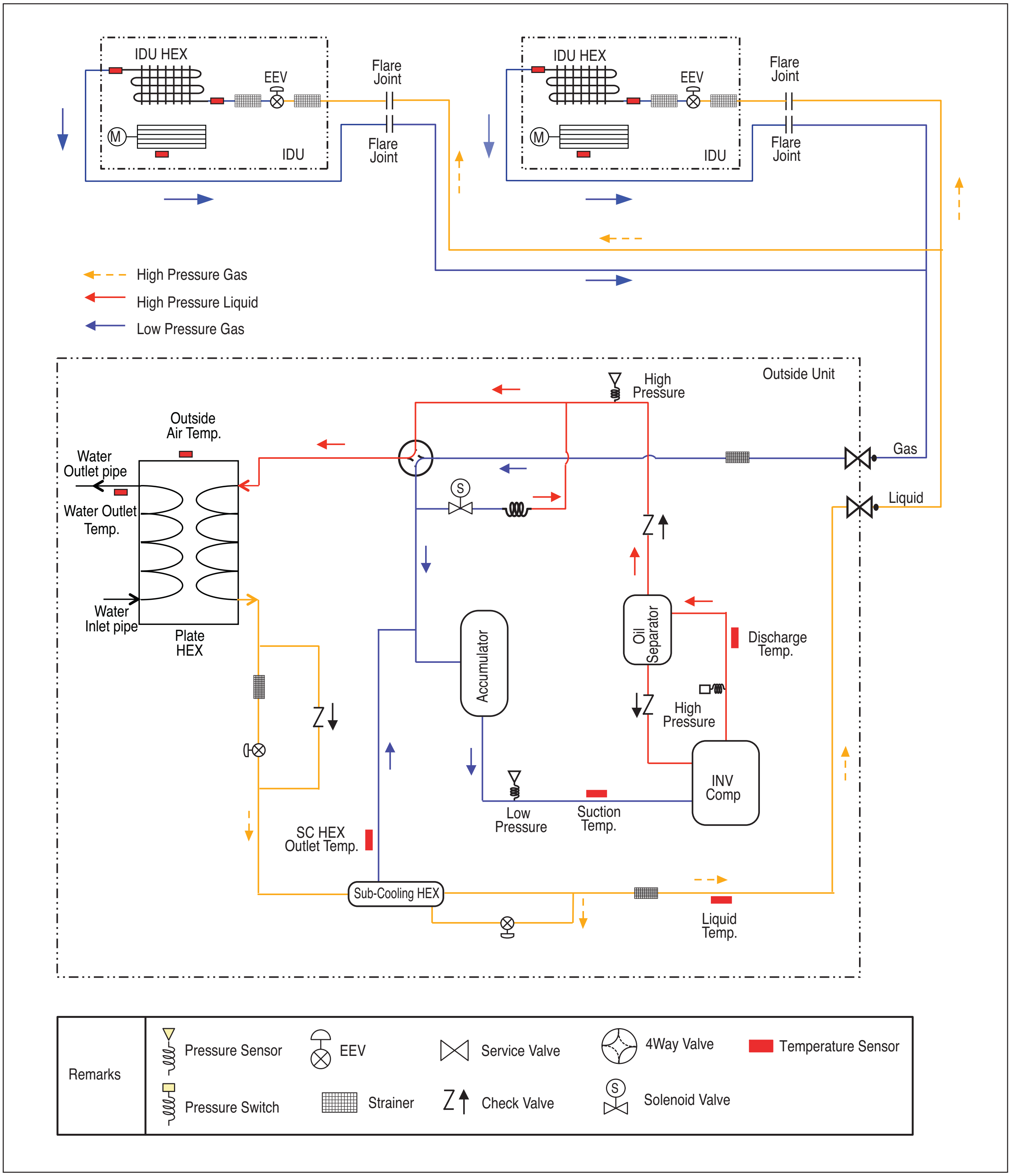


◐ Gravity point
[Unit : mm]

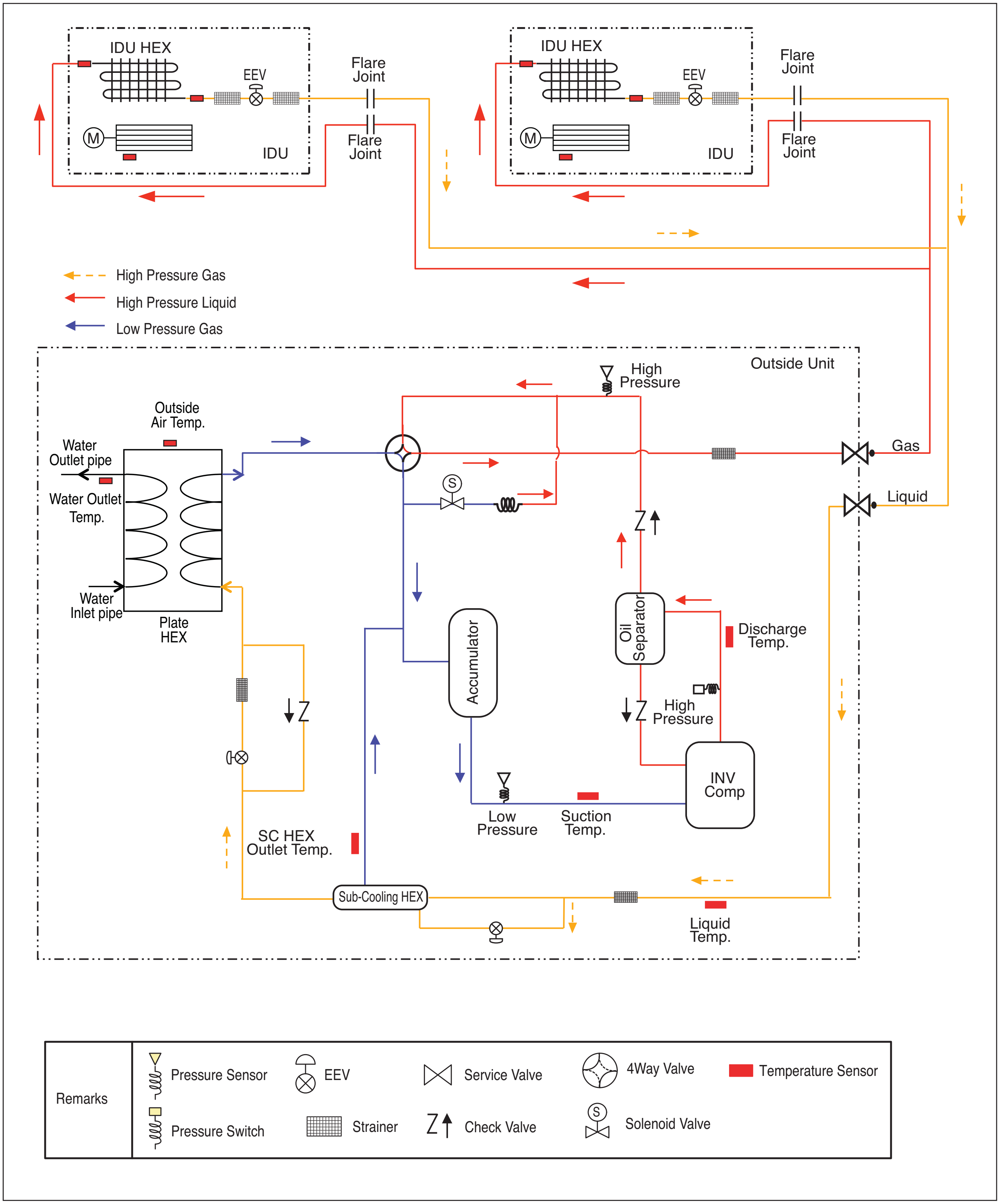
3. Piping Diagrams

■ ARWN080LAS4, ARWN100LAS4, ARWN120LAS4, ARWN140LAS4, ARWN160LAS4, ARWN180LAS4, ARWN200LAS4

Cooling Operation

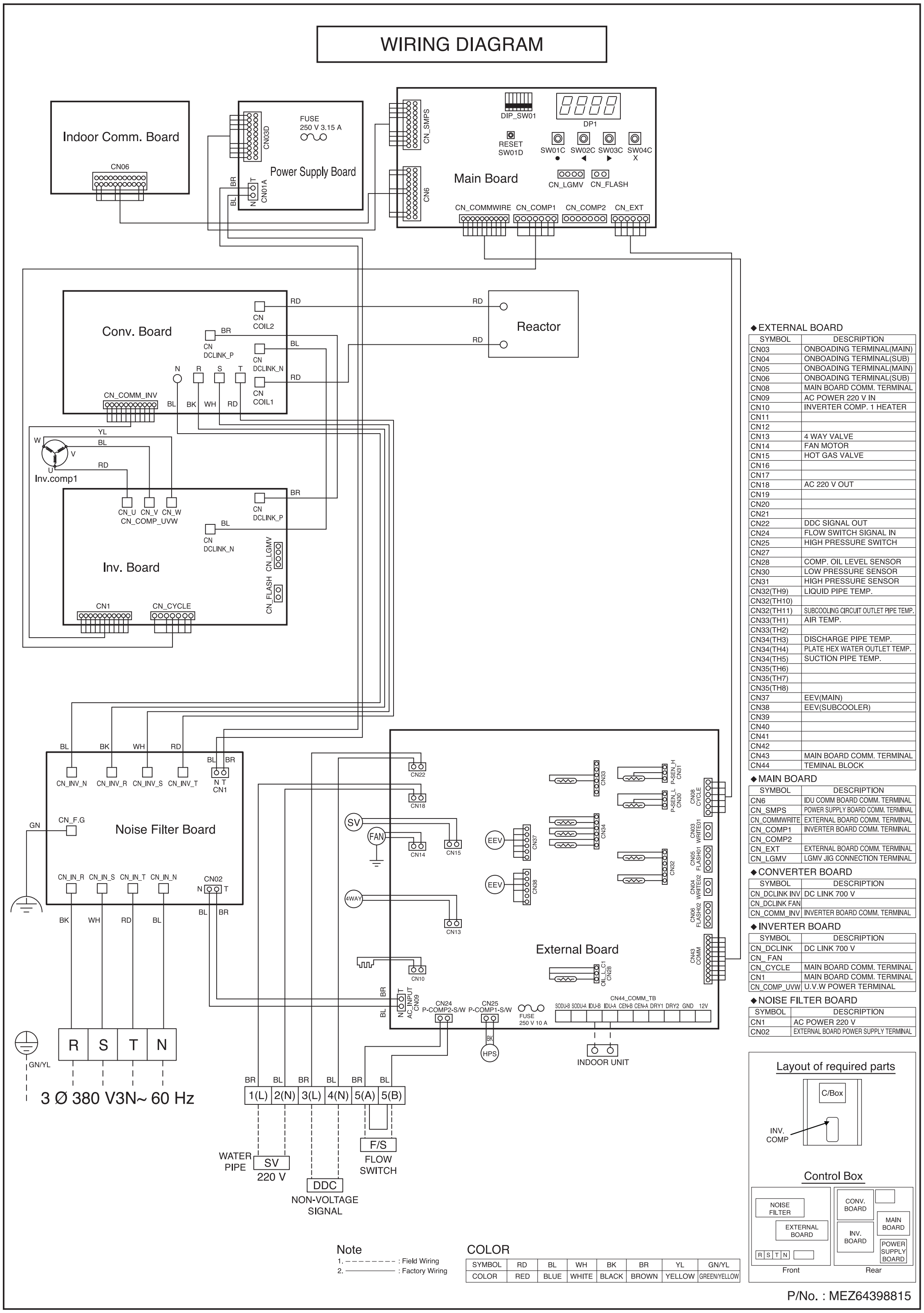


Heating Operation



4. Wiring Diagrams

ARWN080LAS4, ARWN100LAS4, ARWN120LAS4, ARWN140LAS4



◆EXTERNAL BOARD

SYMBOL	DESCRIPTION
CN03	ONBOADING TERMINAL(MAIN)
CN04	ONBOADING TERMINAL(SUB)
CN05	ONBOADING TERMINAL(MAIN)
CN06	ONBOADING TERMINAL(SUB)
CN08	MAIN BOARD COMM. TERMINAL
CN09	AC POWER 220 V IN
CN10	INVERTER COMP. 1 HEATER
CN11	
CN12	
CN13	4 WAY VALVE
CN14	FAN MOTOR
CN15	HOT GAS VALVE
CN16	
CN17	
CN18	AC 220 V OUT
CN19	
CN20	
CN21	
CN22	DDC SIGNAL OUT
CN24	FLOW SWITCH SIGNAL IN
CN25	HIGH PRESSURE SWITCH
CN27	
CN28	COMP. OIL LEVEL SENSOR
CN30	LOW PRESSURE SENSOR
CN31	HIGH PRESSURE SENSOR
CN32(TH9)	LIQUID PIPE TEMP.
CN32(TH10)	
CN32(TH11)	SUBCOOLING CIRCUIT OUTLET PIPE TEMP.
CN33(TH1)	AIR TEMP.
CN33(TH2)	
CN34(TH3)	DISCHARGE PIPE TEMP.
CN34(TH4)	PLATE HEX WATER OUTLET TEMP.
CN34(TH5)	SUCTION PIPE TEMP.
CN35(TH6)	
CN35(TH7)	
CN35(TH8)	
CN37	EEV(MAIN)
CN38	EEV(SUBCOOLER)
CN39	
CN40	
CN41	
CN42	
CN43	MAIN BOARD COMM. TERMINAL
CN44	TEMINAL BLOCK

◆MAIN BOARD

SYMBOL	DESCRIPTION
CN6	IDU COMM BOARD COMM. TERMINAL
CN_SMPS	POWER SUPPLY BOARD COMM. TERMINAL
CN_COMMWRITE	EXTERNAL BOARD COMM. TERMINAL
CN_COMP1	INVERTER BOARD COMM. TERMINAL
CN_COMP2	
CN_EXT	EXTERNAL BOARD COMM. TERMINAL
CN_LGMV	LGMV JIG CONNECTION TERMINAL

◆CONVERTER BOARD

SYMBOL	DESCRIPTION
CN_DCLINK INV	DC LINK 700 V
CN_DCLINK FAN	
CN_COMM_INV	INVERTER BOARD COMM. TERMINAL

◆INVERTER BOARD

SYMBOL	DESCRIPTION
CN_DCLINK	DC LINK 700 V
CN_ FAN	
CN_CYCLE	MAIN BOARD COMM. TERMINAL
CN1	MAIN BOARD COMM. TERMINAL
CN_COMP_UVW	U.V.W POWER TERMINAL

◆NOISE FILTER BOARD

SYMBOL	DESCRIPTION
CN1	AC POWER 220 V
CN02	EXTERNAL BOARD POWER SUPPLY TERMINAL

Note

1. – – – – – – – – : Field Wiring
2. ———————— : Factory Wiring

COLOR

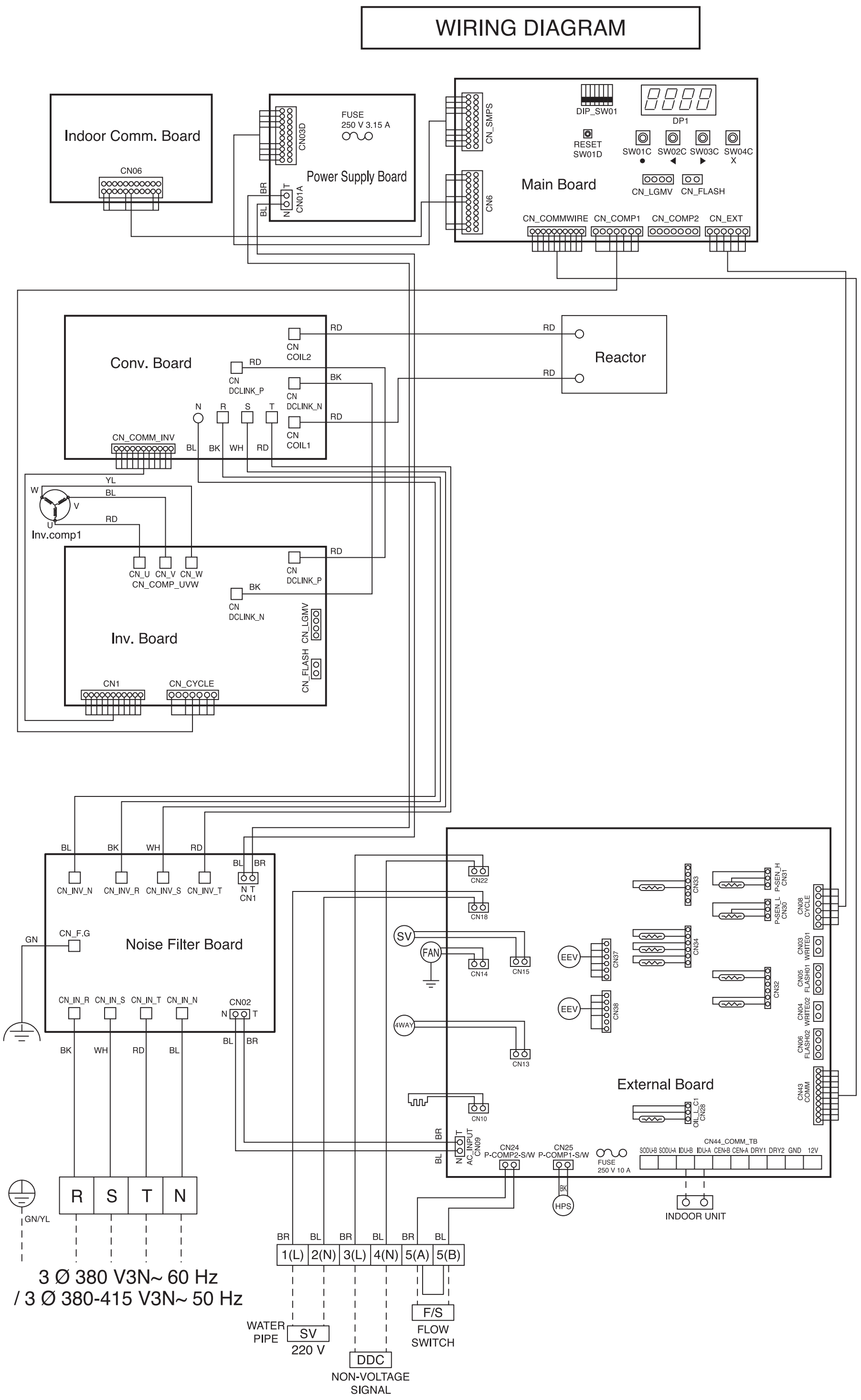
SYMBOL	RD	BL	WH	BK	BR	YL	GN/YL
COLOR	RED	BLUE	WHITE	BLACK	BROWN	YELLOW	GREEN/YELLOW

P/No. : MEZ64398815

4. Wiring Diagrams

■ ARWN160LAS4, ARWN180LAS4, ARWN200LAS4

WIRING DIAGRAM



◆ EXTERNAL BOARD

SYMBOL	DESCRIPTION
CN03	ONBOADING TERMINAL(MAIN)
CN04	ONBOADING TERMINAL(SUB)
CN05	ONBOADING TERMINAL(MAIN)
CN06	ONBOADING TERMINAL(SUB)
CN08	MAIN BOARD COMM. TERMINAL
CN09	AC POWER 220 V IN
CN10	INVERTER COMP. 1 HEATER
CN11	
CN12	
CN13	4 WAY VALVE
CN14	FAN MOTOR
CN15	HOT GAS VALVE
CN16	
CN17	
CN18	AC 220 V OUT
CN19	
CN20	
CN21	
CN22	DDC SIGNAL OUT
CN24	FLOW SWITCH SIGNAL IN
CN25	HIGH PRESSURE SWITCH
CN27	
CN28	COMP. OIL LEVEL SENSOR
CN30	LOW PRESSURE SENSOR
CN31	HIGH PRESSURE SENSOR
CN32(TH9)	LIQUID PIPE TEMP.
CN32(TH10)	
CN32(TH11)	SUBCOOLING CIRCUIT OUTLET PIPE TEMP.
CN33(TH1)	AIR TEMP.
CN33(TH2)	
CN34(TH3)	DISCHARGE PIPE TEMP.
CN34(TH4)	PLATE HEX WATER OUTLET TEMP.
CN34(TH5)	SUCTION PIPE TEMP.
CN35(TH6)	
CN35(TH7)	
CN35(TH8)	
CN37	EEV(MAIN)
CN38	EEV(SUBCOOLER)
CN39	
CN40	
CN41	
CN42	
CN43	MAIN BOARD COMM. TERMINAL
CN44	TEMINAL BLOCK

◆ MAIN BOARD

SYMBOL	DESCRIPTION
CN6	IDU COMM BOARD COMM. TERMINAL
CN_SMPS	POWER SUPPLY BOARD COMM. TERMINAL
CN_COMMWRITE	EXTERNAL BOARD COMM. TERMINAL
CN_COMP1	INVERTER BOARD COMM. TERMINAL
CN_COMP2	
CN_EXT	EXTERNAL BOARD COMM. TERMINAL
CN_LGMV	LGMV JIG CONNECTION TERMINAL

◆ CONVERTER BOARD

SYMBOL	DESCRIPTION
CN_DCLINK INV	DC LINK 700 V
CN_DCLINK FAN	
CN_COMM_INV	INVERTER BOARD COMM. TERMINAL

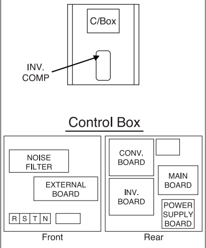
◆ INVERTER BOARD

SYMBOL	DESCRIPTION
CN_DCLINK	DC LINK 700 V
CN_ FAN	
CN_CYCLE	MAIN BOARD COMM. TERMINAL
CN1	MAIN BOARD COMM. TERMINAL
CN_COMP_UVW	U.V.W POWER TERMINAL

◆ NOISE FILTER BOARD

SYMBOL	DESCRIPTION
CN1	AC POWER 220 V
CN02	EXTERNAL BOARD POWER SUPPLY TERMINAL

Layout of required parts



Note
1. — — — — — : Field Wiring
2. ——————— : Factory Wiring

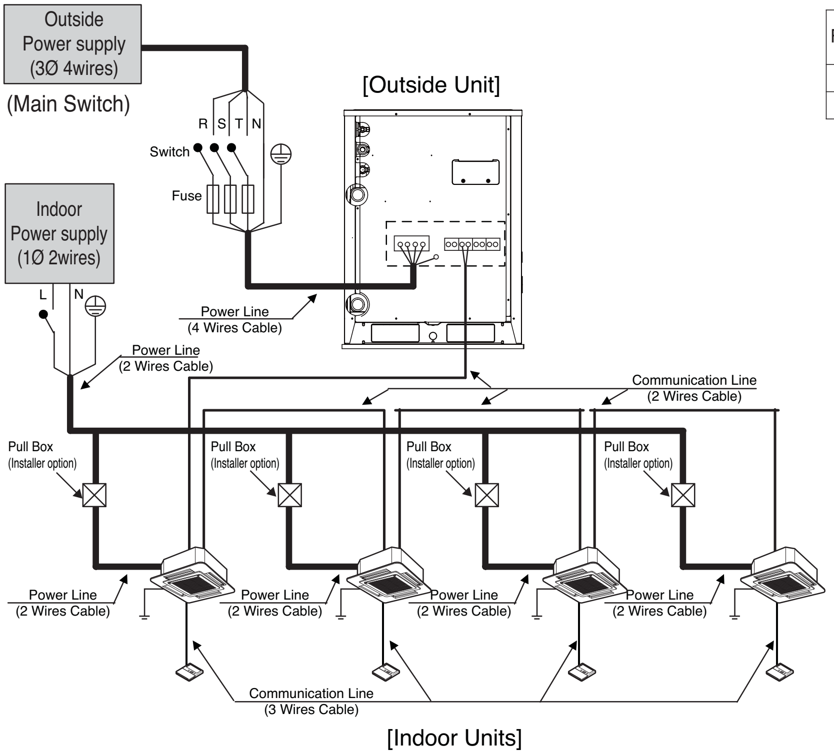
COLOR

SYMBOL	RD	BL	WH	BK	BR	YL	GN/YL
COLOR	RED	BLUE	WHITE	BLACK	BROWN	YELLOW	GREEN/YELLOW

P/No. : MEZ65021501

◆ Example Connection of Communication Cable

■ Single Outside Unit - 3Ø, 380-415V / 380V

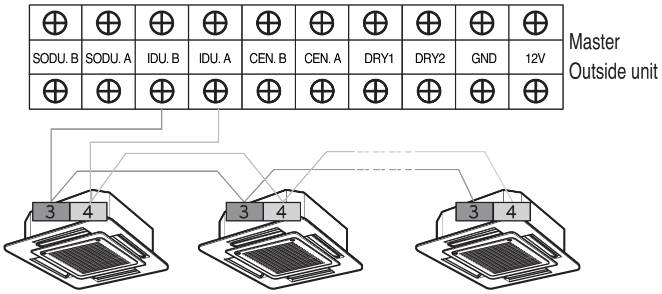


Frequency	Voltage range(V)	
	Outside	Indoor
60Hz	380V	220V
50Hz	380~415V	220~240V

WARNING

- Indoor Unit ground Lines are required for preventing electrical shock accident during current leakage, Communication disorder by noise effect and motor current leakage (without connection to pipe).
- Don't install an individual switch or electrical outlet to disconnect each of indoor unit separately from the power supply.
- Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
- If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally.
  Running the product in reversed phase may break the compressor and other parts.

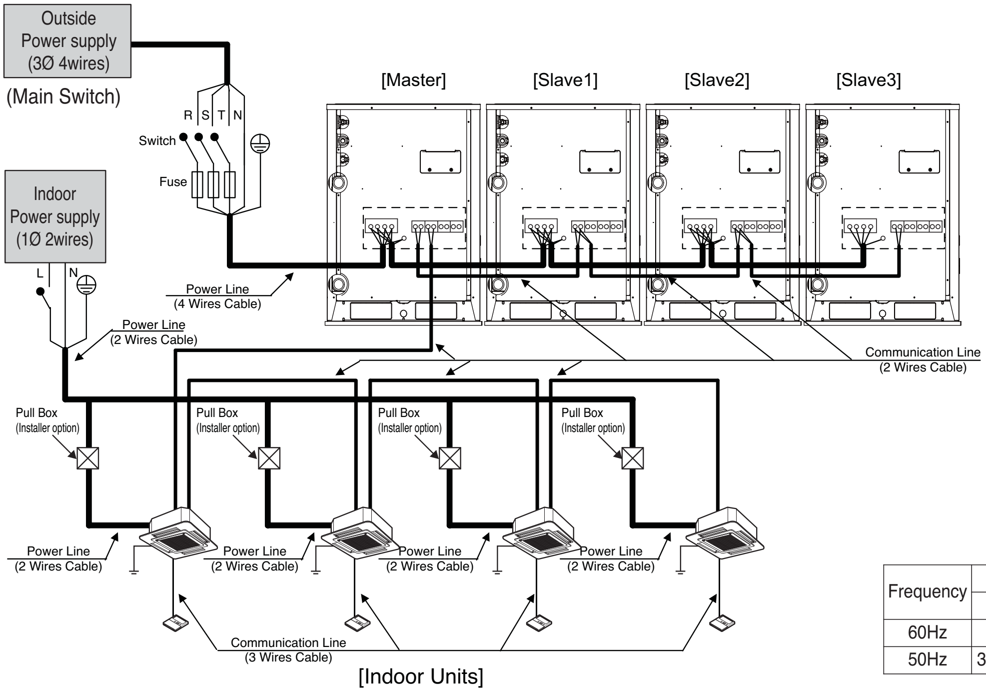
Between Indoor and Master Outside unit



The GND terminal at the main PCB is a '-' terminal for day contact, it is not the point to make ground connection.

■ Series Outside Unit - 3Ø, 380-415V / 380V

■ When the power source is connected In series between the units.

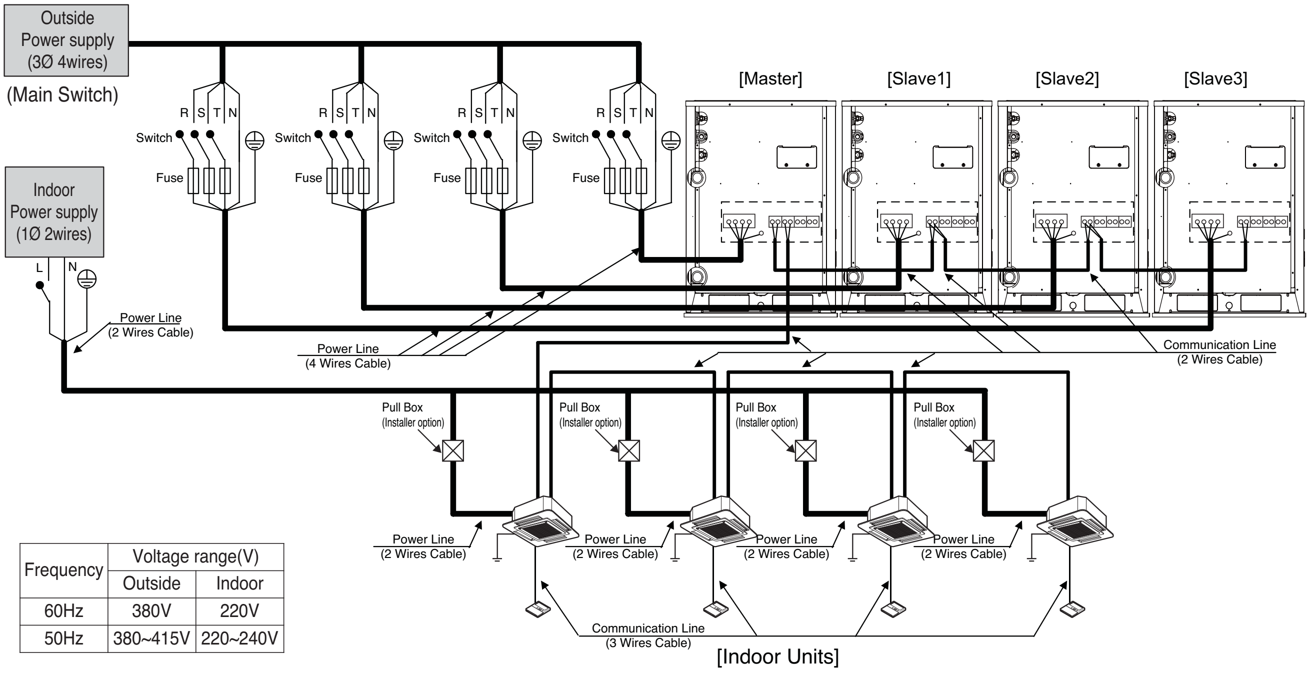


Frequency	Voltage range(V)	
	Outside	Indoor
60Hz	380V	220V
50Hz	380~415V	220~240V

⚠ WARNING

When the total capacity is over than 68Hp, the power source do not use in series between the outside units. The First terminal block could be burnt out.

■ When the power source is supplied to Each outside unit individually.

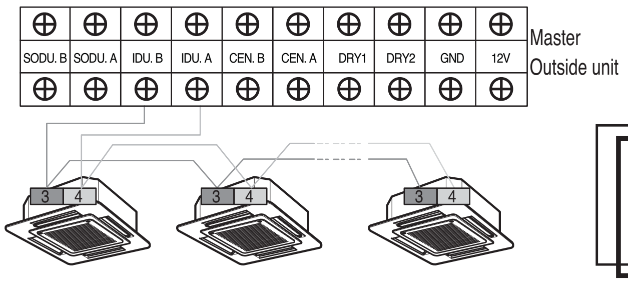


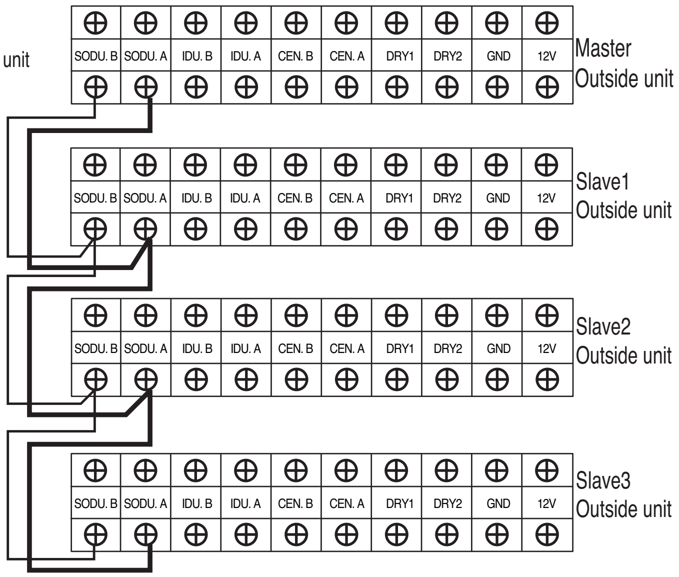
Frequency	Voltage range(V)	
	Outside	Indoor
60Hz	380V	220V
50Hz	380~415V	220~240V

⚠ WARNING

- Indoor Unit ground Lines are required for preventing electrical shock accident during current leakage, Communication disorder by noise effect and motor current leakage (without connection to pipe).
- Don't install an individual switch or electrical outlet to disconnect each of indoor unit separately from the power supply.
- Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
- If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally.
  Running the product in reversed phase may break the compressor and other parts.

Between Indoor and Master Outside unit





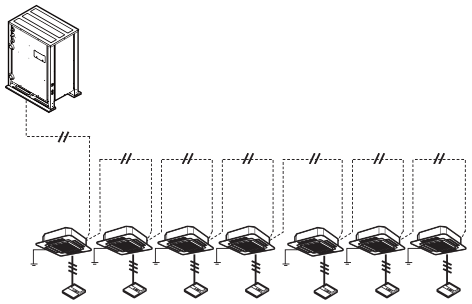
The GND terminal at the main PCB is a '-' terminal for dry contact.
It is not the point to make ground connection.

- Make sure that terminal number of master and slave Outside units are matched. (A-A,B-B)

◆ Example Connection of Communication Cable

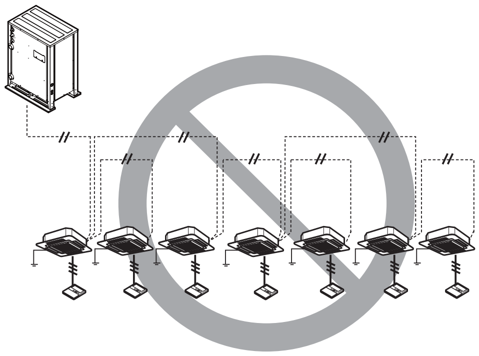
[BUS type]

- Connection of communication cable must be installed like below figure between indoor unit to outside unit.



[STAR type]

- Abnormal operation can be caused by communication defect, when connection of communication cable is installed like below figure(STAR type).



6. Electric Characteristics

◆ Wiring of Main Power Supply and Equipment Capacity

1. Use a separate power supply for the Outside Unit and Indoor Unit.
2. The wire size is the minimum value for metal conduit wiring. The power cord size should be 1 rank thicker taking into account the line voltage drops. Make sure the power-supply voltage does not drop more than 10%.
3. Specific wiring requirements should adhere to the wiring regulations of the region.
4. Power supply cords of parts of appliances for outside use should not be lighter than polychloroprene sheathed flexible cord.
5. Don't install an individual switch or electrical outlet to disconnect each of indoor unit separately from the power supply.

⚠ WARNING

- **Follow ordinance of your governmental organization for technical standard related to electrical equipment, wiring regulations and guidance of each electric power company.**
- **Make sure to use specified wires for connections so that no external force is imparted to terminal connections. If connections are not fixed firmly, it may cause heating or fire.**
- **Make sure to use the appropriate type of overcurrent protection switch. Note that generated overcurrent may include some amount of direct current.**

⚠ CAUTION

- **Some installation site may require attachment of an earth leakage breaker. If no earth leakage breaker is installed, it may cause an electric shock.**
- **Do not use anything other than breaker and fuse with correct capacity. Using fuse and wire or copper wire with too large capacity may cause a malfunction of unit or fire.**

6. Electric Characteristics

50Hz

Model	Unit			Power supply			Comp		
	Hz	Volts	Voltage-range	MCA	MFA	TOCA	MSC	RLA(Cooling)	RLA(Heating)
8HP	50	380-415	Min.:342,Max:456	17.9	25	24	-	4.2	4.6
10HP	50	380-415	Min.:342,Max:456	18.6	25	24	-	5.6	5.9
12HP	50	380-415	Min.:342,Max:456	19.3	25	24	-	7.1	7.4
14HP	50	380-415	Min.:342,Max:456	20.0	25	24	-	8.6	9.0
16HP	50	380-415	Min.:342,Max:456	27.6	35	32	-	9.0	9.4
18HP	50	380-415	Min.:342,Max:456	28.3	35	32	-	10.7	11.1
20HP	50	380-415	Min.:342,Max:456	29.0	35	32	-	12.3	12.8
22HP	50	380-415	Min.:342,Max:456	37.9	50	48	-	12.7	13.3
24HP	50	380-415	Min.:342,Max:456	38.6	50	48	-	14.2	14.9
26HP	50	380-415	Min.:342,Max:456	39.3	50	48	-	15.7	16.4
28HP	50	380-415	Min.:342,Max:456	40.0	50	48	-	17.2	18.0
30HP	50	380-415	Min.:342,Max:456	47.6	60	56	-	17.6	18.4
32HP	50	380-415	Min.:342,Max:456	48.3	60	56	-	19.3	20.1
34HP	50	380-415	Min.:342,Max:456	49.0	60	56	-	20.9	21.8
36HP	50	380-415	Min.:342,Max:456	56.6	70	64	-	21.3	22.3
38HP	50	380-415	Min.:342,Max:456	57.3	70	64	-	23.0	24.0
40HP	50	380-415	Min.:342,Max:456	58.0	70	64	-	24.6	25.7
42HP	50	380-415	Min.:342,Max:456	66.9	85	80	-	25.0	26.1
44HP	50	380-415	Min.:342,Max:456	67.6	85	80	-	26.5	27.7
46HP	50	380-415	Min.:342,Max:456	68.3	85	80	-	28.1	29.2
48HP	50	380-415	Min.:342,Max:456	69.0	85	80	-	29.6	30.8
50HP	50	380-415	Min.:342,Max:456	76.6	95	88	-	29.9	31.2
52HP	50	380-415	Min.:342,Max:456	77.3	95	88	-	31.6	33.0
54HP	50	380-415	Min.:342,Max:456	78.0	95	88	-	33.3	34.7
56HP	50	380-415	Min.:342,Max:456	85.6	105	96	-	33.6	35.1
58HP	50	380-415	Min.:342,Max:456	86.3	105	96	-	35.3	36.8
60HP	50	380-415	Min.:342,Max:456	87.0	105	96	-	37.0	38.5
62HP	50	380-415	Min.:342,Max:456	95.9	120	112	-	37.3	39.0
64HP	50	380-415	Min.:342,Max:456	96.6	120	112	-	38.9	40.5
66HP	50	380-415	Min.:342,Max:456	97.3	120	112	-	40.4	42.1
68HP	50	380-415	Min.:342,Max:456	98.0	120	112	-	41.9	43.6
70HP	50	380-415	Min.:342,Max:456	105.6	130	120	-	42.2	44.1
72HP	50	380-415	Min.:342,Max:456	106.3	130	120	-	43.9	45.8
74HP	50	380-415	Min.:342,Max:456	107.0	130	120	-	45.6	47.5
76HP	50	380-415	Min.:342,Max:456	114.6	140	128	-	46.0	48.0
78HP	50	380-415	Min.:342,Max:456	115.3	140	128	-	47.6	49.7
80HP	50	380-415	Min.:342,Max:456	116.0	140	128	-	49.3	51.3

6. Electric Characteristics

60Hz

Model	Unit			Power supply			Comp		
	Hz	Volts	Voltage-range	MCA	MFA	TOCA	MSC	RLA(Cooling)	RLA(Heating)
8HP	60	380	Min.:342,Max:418	17.9	25	24	-	4.2	4.6
10HP	60	380	Min.:342,Max:418	18.6	25	24	-	5.6	5.9
12HP	60	380	Min.:342,Max:418	19.3	25	24	-	7.1	7.4
14HP	60	380	Min.:342,Max:418	20.0	25	24	-	8.6	9.0
16HP	60	380	Min.:342,Max:418	27.6	35	32	-	9.0	9.4
18HP	60	380	Min.:342,Max:418	28.3	35	32	-	10.7	11.1
20HP	60	380	Min.:342,Max:418	29.0	35	32	-	12.3	12.8
22HP	60	380	Min.:342,Max:418	37.9	50	48	-	12.7	13.3
24HP	60	380	Min.:342,Max:418	38.6	50	48	-	14.2	14.9
26HP	60	380	Min.:342,Max:418	39.3	50	48	-	15.7	16.4
28HP	60	380	Min.:342,Max:418	40.0	50	48	-	17.2	18.0
30HP	60	380	Min.:342,Max:418	47.6	60	56	-	17.6	18.4
32HP	60	380	Min.:342,Max:418	48.3	60	56	-	19.3	20.1
34HP	60	380	Min.:342,Max:418	49.0	60	56	-	20.9	21.8
36HP	60	380	Min.:342,Max:418	56.6	70	64	-	21.3	22.3
38HP	60	380	Min.:342,Max:418	57.3	70	64	-	23.0	24.0
40HP	60	380	Min.:342,Max:418	58.0	70	64	-	24.6	25.7
42HP	60	380	Min.:342,Max:418	66.9	85	80	-	25.0	26.1
44HP	60	380	Min.:342,Max:418	67.6	85	80	-	26.5	27.7
46HP	60	380	Min.:342,Max:418	68.3	85	80	-	28.1	29.2
48HP	60	380	Min.:342,Max:418	69.0	85	80	-	29.6	30.8
50HP	60	380	Min.:342,Max:418	76.6	95	88	-	29.9	31.2
52HP	60	380	Min.:342,Max:418	77.3	95	88	-	31.6	33.0
54HP	60	380	Min.:342,Max:418	78.0	95	88	-	33.3	34.7
56HP	60	380	Min.:342,Max:418	85.6	105	96	-	33.6	35.1
58HP	60	380	Min.:342,Max:418	86.3	105	96	-	35.3	36.8
60HP	60	380	Min.:342,Max:418	87.0	105	96	-	37.0	38.5
62HP	60	380	Min.:342,Max:418	95.9	120	112	-	37.3	39.0
64HP	60	380	Min.:342,Max:418	96.6	120	112	-	38.9	40.5
66HP	60	380	Min.:342,Max:418	97.3	120	112	-	40.4	42.1
68HP	60	380	Min.:342,Max:418	98.0	120	112	-	41.9	43.6
70HP	60	380	Min.:342,Max:418	105.6	130	120	-	42.2	44.1
72HP	60	380	Min.:342,Max:418	106.3	130	120	-	43.9	45.8
74HP	60	380	Min.:342,Max:418	107.0	130	120	-	45.6	47.5
76HP	60	380	Min.:342,Max:418	114.6	140	128	-	46.0	48.0
78HP	60	380	Min.:342,Max:418	115.3	140	128	-	47.6	49.7
80HP	60	380	Min.:342,Max:418	116.0	140	128	-	49.3	51.3

6. Electric Characteristics

Notes:

1. Voltage range
   Voltage supplied to the unit terminals should be within the minimum and maximum range
2. Maximum allowable voltage unbalance between phase is 2 %
3. Select wire spec. based on the larger value of MCA or TOCA.
4. TOCA means the total over current value of each outside unit.
5. MSC means the Max. current during the starting of compressor.
6. Recommended circuit breaker is ELCB
   (Earth Leakage Circuit Breaker)
7. MFA is used to select the circuit breaker and ground fault circuit interrupter (earth leakage circuit breaker)

MCA : Minimum Circuit Amperes (A)
MSC : Maximum Starting Current
RLA : Rated Load Amperes (A)
FLA : Full Load Amperes (A)
MFA: Maximum Fuse Amperes(A)
TOCA: Total Over Current Amperes(A)

7.1 Heat Pump

7.1.1 Cooling Capacity

Cooling Capacity(8HP)

ARWN080LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	30.8	20.8	1.29	22.5	1.52	24.6	1.77	26.7	1.99	27.5	2.05	28.5	2.08	29.3	2.10
		38.5	20.8	1.27	22.5	1.49	24.6	1.74	26.7	1.96	27.5	2.01	28.5	2.05	29.3	2.08
		77.0	20.8	1.18	22.5	1.40	24.6	1.63	26.7	1.83	27.5	1.86	28.5	1.92	29.3	1.97
		96.3	20.8	1.14	22.5	1.37	24.6	1.59	26.7	1.79	27.5	1.84	28.5	1.88	29.3	1.92
		115.5	20.8	1.13	22.5	1.35	24.6	1.58	26.7	1.77	27.5	1.83	28.5	1.86	29.3	1.89
	15	30.8	20.5	1.71	22.2	1.99	24.2	2.32	26.3	2.61	27.0	2.68	28.1	2.74	28.9	2.78
		38.5	20.5	1.68	22.2	1.96	24.2	2.28	26.3	2.57	27.0	2.63	28.1	2.69	28.9	2.74
		77.0	20.5	1.54	22.2	1.83	24.2	2.13	26.3	2.40	27.0	2.46	28.1	2.53	28.9	2.58
		96.3	20.5	1.50	22.2	1.79	24.2	2.09	26.3	2.35	27.0	2.41	28.1	2.47	28.9	2.52
		115.5	20.5	1.48	22.2	1.77	24.2	2.07	26.3	2.32	27.0	2.39	28.1	2.45	28.9	2.49
	20	30.8	20.2	2.08	21.9	2.41	23.8	2.81	25.9	3.17	26.7	3.24	27.7	3.31	28.5	3.38
		38.5	20.2	2.04	21.9	2.37	23.8	2.76	25.9	3.11	26.7	3.18	27.7	3.26	28.5	3.32
		77.0	20.2	1.87	21.9	2.22	23.8	2.58	25.9	2.91	26.7	2.98	27.7	3.06	28.5	3.12
		96.3	20.2	1.82	21.9	2.17	23.8	2.53	25.9	2.85	26.7	2.92	27.7	3.00	28.5	3.05
		115.5	20.2	1.79	21.9	2.14	23.8	2.50	25.9	2.82	26.7	2.89	27.7	2.97	28.5	3.02
	25	30.8	20.2	2.56	21.9	2.97	23.8	3.46	25.9	3.90	26.7	3.99	27.7	4.09	28.5	4.16
		38.5	20.2	2.51	21.9	2.92	23.8	3.40	25.9	3.83	26.7	3.93	27.7	4.03	28.5	4.10
		77.0	20.2	2.31	21.9	2.74	23.8	3.18	25.9	3.59	26.7	3.68	27.7	3.77	28.5	3.85
		96.3	20.2	2.25	21.9	2.68	23.8	3.12	25.9	3.52	26.7	3.61	27.7	3.70	28.5	3.76
		115.5	20.2	2.22	21.9	2.65	23.8	3.09	25.9	3.48	26.7	3.57	27.7	3.67	28.5	3.72
	30	30.8	20.2	3.07	21.9	3.57	23.8	4.15	25.9	4.68	26.7	4.79	27.7	4.91	28.5	4.99
		38.5	20.2	3.01	21.9	3.51	23.8	4.09	25.9	4.61	26.7	4.71	27.7	4.83	28.5	4.91
		77.0	20.2	2.76	21.9	3.28	23.8	3.82	25.9	4.31	26.7	4.41	27.7	4.53	28.5	4.62
		96.3	20.2	2.69	21.9	3.21	23.8	3.75	25.9	4.22	26.7	4.33	27.7	4.44	28.5	4.52
		115.5	20.2	2.66	21.9	3.18	23.8	3.71	25.9	4.18	26.7	4.29	27.7	4.40	28.5	4.47
	35	30.8	18.2	3.11	19.7	3.61	21.4	4.20	23.3	4.74	24.0	4.84	24.9	4.96	25.6	5.05
		38.5	18.2	3.04	19.7	3.55	21.4	4.13	23.3	4.66	24.0	4.76	24.9	4.89	25.6	4.97
		77.0	18.2	2.80	19.7	3.32	21.4	3.87	23.3	4.35	24.0	4.47	24.9	4.58	25.6	4.67
		96.3	18.2	2.72	19.7	3.25	21.4	3.79	23.3	4.26	24.0	4.38	24.9	4.49	25.6	4.57
		115.5	18.2	2.68	19.7	3.21	21.4	3.75	23.3	4.22	24.0	4.33	24.9	4.45	25.6	4.52
	40	30.8	16.1	3.28	17.5	3.81	19.0	4.43	20.7	4.99	21.3	5.11	22.2	5.23	22.8	5.33
		38.5	16.1	3.21	17.5	3.75	19.0	4.36	20.7	4.91	21.3	5.03	22.2	5.15	22.8	5.25
		77.0	16.1	2.95	17.5	3.50	19.0	4.08	20.7	4.59	21.3	4.70	22.2	4.83	22.8	4.93
		96.3	16.1	2.87	17.5	3.42	19.0	3.99	20.7	4.50	21.3	4.61	22.2	4.74	22.8	4.82
		115.5	16.1	2.83	17.5	3.38	19.0	3.95	20.7	4.46	21.3	4.57	22.2	4.69	22.8	4.76
	45	30.8	14.1	3.45	15.3	4.00	16.6	4.66	18.1	5.25	18.6	5.38	19.4	5.49	19.9	5.60
		38.5	14.1	3.38	15.3	3.94	16.6	4.59	18.1	5.17	18.6	5.29	19.4	5.41	19.9	5.52
		77.0	14.1	3.10	15.3	3.68	16.6	4.29	18.1	4.83	18.6	4.94	19.4	5.09	19.9	5.19
		96.3	14.1	3.02	15.3	3.60	16.6	4.19	18.1	4.74	18.6	4.85	19.4	4.98	19.9	5.06
		115.5	14.1	2.98	15.3	3.55	16.6	4.15	18.1	4.69	18.6	4.81	19.4	4.93	19.9	5.00
120	10	30.8	19.7	1.24	21.3	1.43	23.2	1.68	25.3	1.88	26.0	1.94	27.0	1.98	27.8	2.02
		38.5	19.7	1.21	21.3	1.40	23.2	1.65	25.3	1.85	26.0	1.91	27.0	1.95	27.8	1.98
		77.0	19.7	1.11	21.3	1.31	23.2	1.53	25.3	1.74	26.0	1.77	27.0	1.82	27.8	1.84
		96.3	19.7	1.09	21.3	1.29	23.2	1.52	25.3	1.70	26.0	1.73	27.0	1.79	27.8	1.81
		115.5	19.7	1.09	21.3	1.27	23.2	1.51	25.3	1.68	26.0	1.72	27.0	1.77	27.8	1.80
	15	30.8	19.5	1.64	21.1	1.90	23.0	2.22	25.0	2.50	25.7	2.56	26.7	2.62	27.5	2.67
		38.5	19.5	1.61	21.1	1.87	23.0	2.18	25.0	2.46	25.7	2.52	26.7	2.58	27.5	2.62
		77.0	19.5	1.47	21.1	1.75	23.0	2.04	25.0	2.30	25.7	2.35	26.7	2.41	27.5	2.46
		96.3	19.5	1.44	21.1	1.71	23.0	2.00	25.0	2.25	25.7	2.31	26.7	2.37	27.5	2.40
		115.5	19.5	1.42	21.1	1.69	23.0	1.98	25.0	2.23	25.7	2.29	26.7	2.35	27.5	2.38
	20	30.8	19.3	2.00	20.9	2.32	22.7	2.70	24.7	3.04	25.4	3.11	26.4	3.19	27.2	3.24
		38.5	19.3	1.96	20.9	2.28	22.7	2.66	24.7	2.99	25.4	3.06	26.4	3.14	27.2	3.19
		77.0	19.3	1.80	20.9	2.13	22.7	2.48	24.7	2.80	25.4	2.87	26.4	2.94	27.2	3.00
		96.3	19.3	1.75	20.9	2.09	22.7	2.43	24.7	2.75	25.4	2.82	26.4	2.89	27.2	2.93
		115.5	19.3	1.72	20.9	2.07	22.7	2.40	24.7	2.72	25.4	2.79	26.4	2.86	27.2	2.90
	25	30.8	19.3	2.45	20.9	2.84	22.7	3.32	24.7	3.74	25.4	3.83	26.4	3.92	27.2	3.99
		38.5	19.3	2.40	20.9	2.80	22.7	3.26	24.7	3.68	25.4	3.76	26.4	3.86	27.2	3.93
		77.0	19.3	2.21	20.9	2.62	22.7	3.05	24.7	3.44	25.4	3.52	26.4	3.61	27.2	3.68
		96.3	19.3	2.15	20.9	2.56	22.7	2.99	24.7	3.37	25.4	3.46	26.4	3.54	27.2	3.60
		115.5	19.3	2.12	20.9	2.53	22.7	2.96	24.7	3.33	25.4	3.43	26.4	3.51	27.2	3.55
	30	30.8	19.3	2.96	20.9	3.44	22.7	4.01	24.7	4.52	25.4	4.63	26.4	4.74	27.2	4.82
		38.5	19.3	2.90	20.9	3.39	22.7	3.95	24.7	4.45	25.4	4.55	26.4	4.67	27.2	4.75
		77.0	19.3	2.68	20.9	3.17	22.7	3.69	24.7	4.16	25.4	4.25	26.4	4.37	27.2	4.46
		96.3	19.3	2.60	20.9	3.10	22.7	3.61	24.7	4.07	25.4	4.18	26.4	4.29	27.2	4.35
		115.5	19.3	2.56	20.9	3.06	22.7	3.58	24.7	4.03	25.4	4.14	26.4	4.25	27.2	4.30

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	30.8	17.6	3.03	19.1	3.53	20.8	4.11	22.6	4.63	23.3	4.74	24.2	4.86	24.9	4.95
		38.5	17.6	2.97	19.1	3.47	20.8	4.04	22.6	4.55	23.3	4.67	24.2	4.78	24.9	4.87
		77.0	17.6	2.74	19.1	3.25	20.8	3.78	22.6	4.26	23.3	4.37	24.2	4.48	24.9	4.56
		96.3	17.6	2.67	19.1	3.18	20.8	3.70	22.6	4.18	23.3	4.28	24.2	4.40	24.9	4.46
		115.5	17.6	2.63	19.1	3.14	20.8	3.66	22.6	4.13	23.3	4.24	24.2	4.35	24.9	4.40
	40	30.8	16.0	3.27	17.3	3.80	18.9	4.42	20.5	4.98	21.1	5.10	22.0	5.22	22.6	5.32
		38.5	16.0	3.20	17.3	3.74	18.9	4.35	20.5	4.90	21.1	5.02	22.0	5.14	22.6	5.24
		77.0	16.0	2.95	17.3	3.49	18.9	4.07	20.5	4.59	21.1	4.69	22.0	4.82	22.6	4.91
		96.3	16.0	2.87	17.3	3.42	18.9	3.99	20.5	4.49	21.1	4.61	22.0	4.73	22.6	4.80
		115.5	16.0	2.83	17.3	3.39	18.9	3.95	20.5	4.44	21.1	4.56	22.0	4.68	22.6	4.74
	45	30.8	14.4	3.50	15.6	4.07	17.0	4.73	18.4	5.34	18.9	5.46	19.7	5.59	20.3	5.69
		38.5	14.4	3.43	15.6	4.00	17.0	4.66	18.4	5.25	18.9	5.37	19.7	5.50	20.3	5.61
		77.0	14.4	3.16	15.6	3.74	17.0	4.36	18.4	4.91	18.9	5.02	19.7	5.15	20.3	5.26
		96.3	14.4	3.07	15.6	3.67	17.0	4.28	18.4	4.81	18.9	4.93	19.7	5.06	20.3	5.14
		115.5	14.4	3.03	15.6	3.63	17.0	4.24	18.4	4.76	18.9	4.89	19.7	5.02	20.3	5.08
110	10	30.8	18.6	1.17	20.1	1.36	21.9	1.57	23.8	1.78	24.5	1.81	25.5	1.87	26.2	1.89
		38.5	18.6	1.15	20.1	1.34	21.9	1.55	23.8	1.75	24.5	1.78	25.5	1.83	26.2	1.86
		77.0	18.6	1.06	20.1	1.24	21.9	1.45	23.8	1.64	24.5	1.68	25.5	1.71	26.2	1.74
		96.3	18.6	1.02	20.1	1.22	21.9	1.42	23.8	1.61	24.5	1.64	25.5	1.67	26.2	1.72
		115.5	18.6	1.01	20.1	1.20	21.9	1.40	23.8	1.59	24.5	1.62	25.5	1.66	26.2	1.71
	15	30.8	18.5	1.57	20.0	1.82	21.8	2.11	23.7	2.38	24.4	2.43	25.4	2.50	26.0	2.54
		38.5	18.5	1.54	20.0	1.79	21.8	2.08	23.7	2.34	24.4	2.39	25.4	2.46	26.0	2.50
		77.0	18.5	1.41	20.0	1.67	21.8	1.95	23.7	2.19	24.4	2.25	25.4	2.30	26.0	2.34
		96.3	18.5	1.37	20.0	1.63	21.8	1.90	23.7	2.15	24.4	2.20	25.4	2.25	26.0	2.29
		115.5	18.5	1.35	20.0	1.61	21.8	1.88	23.7	2.13	24.4	2.18	25.4	2.23	26.0	2.26
	20	30.8	18.4	1.92	19.9	2.23	21.7	2.59	23.6	2.92	24.3	2.99	25.2	3.06	25.9	3.12
		38.5	18.4	1.88	19.9	2.19	21.7	2.55	23.6	2.87	24.3	2.94	25.2	3.01	25.9	3.07
		77.0	18.4	1.73	19.9	2.04	21.7	2.39	23.6	2.68	24.3	2.75	25.2	2.82	25.9	2.88
		96.3	18.4	1.68	19.9	2.00	21.7	2.33	23.6	2.63	24.3	2.70	25.2	2.77	25.9	2.80
		115.5	18.4	1.65	19.9	1.98	21.7	2.31	23.6	2.61	24.3	2.68	25.2	2.75	25.9	2.76
	25	30.8	18.4	2.34	19.9	2.73	21.7	3.17	23.6	3.58	24.3	3.65	25.2	3.74	25.9	3.81
		38.5	18.4	2.30	19.9	2.68	21.7	3.12	23.6	3.52	24.3	3.60	25.2	3.68	25.9	3.75
		77.0	18.4	2.11	19.9	2.51	21.7	2.92	23.6	3.29	24.3	3.37	25.2	3.46	25.9	3.52
		96.3	18.4	2.05	19.9	2.46	21.7	2.86	23.6	3.22	24.3	3.31	25.2	3.39	25.9	3.43
		115.5	18.4	2.02	19.9	2.43	21.7	2.83	23.6	3.18	24.3	3.28	25.2	3.35	25.9	3.39
	30	30.8	18.4	2.85	19.9	3.33	21.7	3.87	23.6	4.36	24.3	4.46	25.2	4.57	25.9	4.65
		38.5	18.4	2.80	19.9	3.27	21.7	3.81	23.6	4.29	24.3	4.39	25.2	4.50	25.9	4.58
		77.0	18.4	2.58	19.9	3.05	21.7	3.56	23.6	4.01	24.3	4.11	25.2	4.21	25.9	4.29
		96.3	18.4	2.51	19.9	2.99	21.7	3.48	23.6	3.93	24.3	4.03	25.2	4.13	25.9	4.18
		115.5	18.4	2.47	19.9	2.96	21.7	3.44	23.6	3.89	24.3	3.99	25.2	4.09	25.9	4.13
	35	30.8	17.1	2.97	18.5	3.45	20.2	4.02	22.0	4.53	22.6	4.63	23.5	4.75	24.1	4.84
		38.5	17.1	2.91	18.5	3.40	20.2	3.96	22.0	4.46	22.6	4.56	23.5	4.68	24.1	4.76
		77.0	17.1	2.68	18.5	3.18	20.2	3.70	22.0	4.17	22.6	4.27	23.5	4.38	24.1	4.46
		96.3	17.1	2.61	18.5	3.11	20.2	3.62	22.0	4.09	22.6	4.18	23.5	4.30	24.1	4.35
		115.5	17.1	2.57	18.5	3.07	20.2	3.58	22.0	4.05	22.6	4.14	23.5	4.26	24.1	4.30
	40	30.8	15.9	3.27	17.2	3.79	18.7	4.42	20.3	4.97	20.9	5.09	21.8	5.21	22.4	5.31
		38.5	15.9	3.20	17.2	3.73	18.7	4.35	20.3	4.90	20.9	5.01	21.8	5.13	22.4	5.23
		77.0	15.9	2.94	17.2	3.49	18.7	4.06	20.3	4.58	20.9	4.68	21.8	4.81	22.4	4.90
		96.3	15.9	2.86	17.2	3.41	18.7	3.98	20.3	4.49	20.9	4.60	21.8	4.72	22.4	4.78
		115.5	15.9	2.82	17.2	3.37	18.7	3.94	20.3	4.45	20.9	4.55	21.8	4.68	22.4	4.72
	45	30.8	14.6	3.56	15.8	4.13	17.3	4.83	18.7	5.42	19.3	5.55	20.1	5.68	20.6	5.78
		38.5	14.6	3.49	15.8	4.06	17.3	4.75	18.7	5.33	19.3	5.46	20.1	5.59	20.6	5.69
		77.0	14.6	3.20	15.8	3.81	17.3	4.42	18.7	4.99	19.3	5.10	20.1	5.24	20.6	5.35
		96.3	14.6	3.11	15.8	3.72	17.3	4.34	18.7	4.90	19.3	5.01	20.1	5.14	20.6	5.21
		115.5	14.6	3.07	15.8	3.68	17.3	4.30	18.7	4.85	19.3	4.97	20.1	5.09	20.6	5.14
100	10	30.8	17.5	1.09	18.9	1.28	20.6	1.48	22.4	1.66	23.1	1.70	24.0	1.76	24.6	1.80
		38.5	17.5	1.07	18.9	1.26	20.6	1.46	22.4	1.64	23.1	1.68	24.0	1.73	24.6	1.76
		77.0	17.5	0.99	18.9	1.16	20.6	1.37	22.4	1.55	23.1	1.59	24.0	1.62	24.6	1.64
		96.3	17.5	0.97	18.9	1.14	20.6	1.34	22.4	1.50	23.1	1.54	24.0	1.59	24.6	1.61
		115.5	17.5	0.96	18.9	1.13	20.6	1.33	22.4	1.48	23.1	1.52	24.0	1.57	24.6	1.60
	15	30.8	17.5	1.49	18.9	1.73	20.6	2.02	22.4	2.26	23.1	2.32	24.0	2.38	24.6	2.43
		38.5	17.5	1.46	18.9	1.70	20.6	1.98	22.4	2.23	23.1	2.28	24.0	2.34	24.6	2.39
		77.0	17.5	1.34	18.9	1.59	20.6	1.85	22.4	2.09	23.1	2.14	24.0	2.19	24.6	2.23
		96.3	17.5	1.31	18.9	1.55	20.6	1.82	22.4	2.04	23.1	2.10	24.0	2.15	24.6	2.18
		115.5	17.5	1.29	18.9	1.54	20.6	1.80	22.4	2.02	23.1	2.07	24.0	2.13	24.6	2.15

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	30.8	17.5	1.83	18.9	2.13	20.6	2.49	22.4	2.80	23.1	2.86	24.0	2.93	24.6	2.99
		38.5	17.5	1.80	18.9	2.10	20.6	2.45	22.4	2.75	23.1	2.82	24.0	2.89	24.6	2.94
		77.0	17.5	1.66	18.9	1.97	20.6	2.28	22.4	2.57	23.1	2.63	24.0	2.70	24.6	2.75
		96.3	17.5	1.61	18.9	1.92	20.6	2.24	22.4	2.53	23.1	2.59	24.0	2.65	24.6	2.68
		115.5	17.5	1.58	18.9	1.90	20.6	2.22	22.4	2.50	23.1	2.57	24.0	2.62	24.6	2.64
	25	30.8	17.5	2.24	18.9	2.60	20.6	3.03	22.4	3.42	23.1	3.50	24.0	3.57	24.6	3.65
		38.5	17.5	2.19	18.9	2.56	20.6	2.98	22.4	3.36	23.1	3.44	24.0	3.52	24.6	3.59
		77.0	17.5	2.02	18.9	2.39	20.6	2.79	22.4	3.14	23.1	3.21	24.0	3.30	24.6	3.35
		96.3	17.5	1.97	18.9	2.34	20.6	2.73	22.4	3.08	23.1	3.15	24.0	3.24	24.6	3.26
		115.5	17.5	1.94	18.9	2.32	20.6	2.70	22.4	3.05	23.1	3.12	24.0	3.21	24.6	3.22
	30	30.8	17.5	2.76	18.9	3.20	20.6	3.73	22.4	4.20	23.1	4.30	24.0	4.40	24.6	4.49
		38.5	17.5	2.70	18.9	3.15	20.6	3.67	22.4	4.13	23.1	4.23	24.0	4.33	24.6	4.41
		77.0	17.5	2.48	18.9	2.94	20.6	3.43	22.4	3.86	23.1	3.95	24.0	4.05	24.6	4.12
		96.3	17.5	2.41	18.9	2.88	20.6	3.36	22.4	3.78	23.1	3.88	24.0	3.97	24.6	4.02
		115.5	17.5	2.38	18.9	2.85	20.6	3.33	22.4	3.74	23.1	3.84	24.0	3.93	24.6	3.97
	35	30.8	16.6	2.91	18.0	3.38	19.6	3.93	21.3	4.43	21.9	4.54	22.8	4.64	23.4	4.72
		38.5	16.6	2.85	18.0	3.32	19.6	3.87	21.3	4.36	21.9	4.47	22.8	4.57	23.4	4.65
		77.0	16.6	2.62	18.0	3.11	19.6	3.61	21.3	4.07	21.9	4.18	22.8	4.28	23.4	4.35
		96.3	16.6	2.54	18.0	3.04	19.6	3.54	21.3	3.99	21.9	4.10	22.8	4.20	23.4	4.24
		115.5	16.6	2.50	18.0	3.01	19.6	3.51	21.3	3.95	21.9	4.06	22.8	4.16	23.4	4.18
	40	30.8	15.7	3.26	17.0	3.79	18.5	4.41	20.2	4.97	20.8	5.09	21.6	5.22	22.2	5.30
		38.5	15.7	3.19	17.0	3.73	18.5	4.34	20.2	4.89	20.8	5.01	21.6	5.13	22.2	5.22
		77.0	15.7	2.94	17.0	3.48	18.5	4.06	20.2	4.57	20.8	4.68	21.6	4.80	22.2	4.89
		96.3	15.7	2.86	17.0	3.41	18.5	3.97	20.2	4.48	20.8	4.60	21.6	4.71	22.2	4.75
		115.5	15.7	2.82	17.0	3.38	18.5	3.93	20.2	4.44	20.8	4.56	21.6	4.67	22.2	4.69
	45	30.8	14.8	3.61	16.1	4.20	17.5	4.89	19.0	5.50	19.6	5.65	20.3	5.79	21.0	5.88
		38.5	14.8	3.54	16.1	4.13	17.5	4.82	19.0	5.41	19.6	5.55	20.3	5.69	21.0	5.79
		77.0	14.8	3.25	16.1	3.86	17.5	4.51	19.0	5.07	19.6	5.18	20.3	5.32	21.0	5.42
		96.3	14.8	3.18	16.1	3.78	17.5	4.40	19.0	4.97	19.6	5.10	20.3	5.22	21.0	5.27
		115.5	14.8	3.14	16.1	3.74	17.5	4.35	19.0	4.93	19.6	5.06	20.3	5.17	21.0	5.20
90	10	30.8	15.7	0.95	17.0	1.10	18.5	1.26	20.2	1.44	20.8	1.48	21.6	1.52	22.2	1.55
		38.5	15.7	0.93	17.0	1.08	18.5	1.25	20.2	1.42	20.8	1.45	21.6	1.49	22.2	1.52
		77.0	15.7	0.86	17.0	1.01	18.5	1.18	20.2	1.33	20.8	1.36	21.6	1.39	22.2	1.42
		96.3	15.7	0.83	17.0	1.00	18.5	1.15	20.2	1.30	20.8	1.33	21.6	1.37	22.2	1.38
		115.5	15.7	0.81	17.0	0.99	18.5	1.13	20.2	1.28	20.8	1.32	21.6	1.35	22.2	1.35
	15	30.8	15.7	1.28	17.0	1.49	18.5	1.73	20.2	1.95	20.8	2.00	21.6	2.05	22.2	2.09
		38.5	15.7	1.25	17.0	1.47	18.5	1.70	20.2	1.92	20.8	1.97	21.6	2.02	22.2	2.05
		77.0	15.7	1.16	17.0	1.37	18.5	1.60	20.2	1.80	20.8	1.84	21.6	1.89	22.2	1.92
		96.3	15.7	1.12	17.0	1.34	18.5	1.56	20.2	1.76	20.8	1.81	21.6	1.85	22.2	1.87
		115.5	15.7	1.11	17.0	1.33	18.5	1.54	20.2	1.75	20.8	1.79	21.6	1.83	22.2	1.84
	20	30.8	15.7	1.58	17.0	1.84	18.5	2.14	20.2	2.41	20.8	2.46	21.6	2.52	22.2	2.57
		38.5	15.7	1.54	17.0	1.81	18.5	2.11	20.2	2.37	20.8	2.42	21.6	2.48	22.2	2.53
		77.0	15.7	1.42	17.0	1.68	18.5	1.97	20.2	2.21	20.8	2.27	21.6	2.32	22.2	2.37
		96.3	15.7	1.39	17.0	1.65	18.5	1.93	20.2	2.18	20.8	2.23	21.6	2.28	22.2	2.31
		115.5	15.7	1.37	17.0	1.63	18.5	1.91	20.2	2.16	20.8	2.21	21.6	2.26	22.2	2.28
	25	30.8	15.7	1.92	17.0	2.24	18.5	2.60	20.2	2.93	20.8	3.01	21.6	3.08	22.2	3.14
		38.5	15.7	1.89	17.0	2.20	18.5	2.56	20.2	2.89	20.8	2.96	21.6	3.03	22.2	3.09
		77.0	15.7	1.74	17.0	2.06	18.5	2.39	20.2	2.70	20.8	2.76	21.6	2.83	22.2	2.89
		96.3	15.7	1.68	17.0	2.02	18.5	2.35	20.2	2.65	20.8	2.71	21.6	2.78	22.2	2.82
		115.5	15.7	1.66	17.0	2.00	18.5	2.33	20.2	2.62	20.8	2.68	21.6	2.75	22.2	2.78
	30	30.8	15.7	2.37	17.0	2.76	18.5	3.21	20.2	3.61	20.8	3.70	21.6	3.79	22.2	3.86
		38.5	15.7	2.32	17.0	2.71	18.5	3.16	20.2	3.55	20.8	3.64	21.6	3.73	22.2	3.80
		77.0	15.7	2.13	17.0	2.54	18.5	2.95	20.2	3.32	20.8	3.40	21.6	3.49	22.2	3.55
		96.3	15.7	2.08	17.0	2.48	18.5	2.89	20.2	3.25	20.8	3.34	21.6	3.42	22.2	3.46
		115.5	15.7	2.05	17.0	2.46	18.5	2.86	20.2	3.22	20.8	3.31	21.6	3.39	22.2	3.41
	35	30.8	15.3	2.56	16.6	2.97	18.0	3.46	19.6	3.90	20.2	3.99	21.0	4.08	21.6	4.16
		38.5	15.3	2.51	16.6	2.92	18.0	3.40	19.6	3.83	20.2	3.92	21.0	4.02	21.6	4.10
		77.0	15.3	2.31	16.6	2.74	18.0	3.18	19.6	3.59	20.2	3.67	21.0	3.76	21.6	3.83
		96.3	15.3	2.24	16.6	2.68	18.0	3.11	19.6	3.52	20.2	3.61	21.0	3.69	21.6	3.73
		115.5	15.3	2.20	16.6	2.65	18.0	3.08	19.6	3.48	20.2	3.58	21.0	3.66	21.6	3.68
	40	30.8	14.8	2.94	16.1	3.42	17.5	3.98	19.0	4.48	19.6	4.58	20.4	4.70	20.9	4.78
		38.5	14.8	2.88	16.1	3.36	17.5	3.91	19.0	4.40	19.6	4.51	20.4	4.62	20.9	4.70
		77.0	14.8	2.65	16.1	3.14	17.5	3.66	19.0	4.11	19.6	4.22	20.4	4.32	20.9	4.40
		96.3	14.8	2.57	16.1	3.07	17.5	3.58	19.0	4.04	19.6	4.14	20.4	4.25	20.9	4.29
		115.5	14.8	2.53	16.1	3.04	17.5	3.54	19.0	4.00	19.6	4.10	20.4	4.21	20.9	4.23

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	30.8	14.4	3.31	15.6	3.86	17.0	4.49	18.5	5.06	19.0	5.18	19.8	5.31	20.3	5.39
		38.5	14.4	3.25	15.6	3.80	17.0	4.42	18.5	4.97	19.0	5.10	19.8	5.23	20.3	5.31
		77.0	14.4	2.99	15.6	3.54	17.0	4.13	18.5	4.64	19.0	4.77	19.8	4.89	20.3	4.97
		96.3	14.4	2.90	15.6	3.47	17.0	4.04	18.5	4.55	19.0	4.68	19.8	4.80	20.3	4.85
		115.5	14.4	2.86	15.6	3.43	17.0	4.00	18.5	4.51	19.0	4.63	19.8	4.76	20.3	4.79
80	10	30.8	14.0	0.79	15.2	0.91	16.5	1.07	17.9	1.22	18.4	1.23	19.2	1.28	19.7	1.29
		38.5	14.0	0.78	15.2	0.90	16.5	1.05	17.9	1.20	18.4	1.22	19.2	1.26	19.7	1.27
		77.0	14.0	0.71	15.2	0.85	16.5	0.98	17.9	1.11	18.4	1.14	19.2	1.16	19.7	1.18
		96.3	14.0	0.69	15.2	0.83	16.5	0.96	17.9	1.08	18.4	1.10	19.2	1.15	19.7	1.17
		115.5	14.0	0.68	15.2	0.81	16.5	0.95	17.9	1.06	18.4	1.09	19.2	1.14	19.7	1.16
	15	30.8	14.0	1.07	15.2	1.25	16.5	1.45	17.9	1.64	18.4	1.68	19.2	1.72	19.7	1.75
		38.5	14.0	1.05	15.2	1.23	16.5	1.43	17.9	1.61	18.4	1.65	19.2	1.69	19.7	1.72
		77.0	14.0	0.97	15.2	1.15	16.5	1.33	17.9	1.51	18.4	1.54	19.2	1.58	19.7	1.61
		96.3	14.0	0.94	15.2	1.12	16.5	1.31	17.9	1.47	18.4	1.51	19.2	1.55	19.7	1.57
		115.5	14.0	0.93	15.2	1.11	16.5	1.29	17.9	1.46	18.4	1.49	19.2	1.54	19.7	1.55
	20	30.8	14.0	1.32	15.2	1.54	16.5	1.79	17.9	2.01	18.4	2.07	19.2	2.11	19.7	2.16
		38.5	14.0	1.30	15.2	1.52	16.5	1.76	17.9	1.98	18.4	2.04	19.2	2.08	19.7	2.12
		77.0	14.0	1.19	15.2	1.41	16.5	1.65	17.9	1.86	18.4	1.90	19.2	1.95	19.7	1.98
		96.3	14.0	1.16	15.2	1.39	16.5	1.61	17.9	1.82	18.4	1.87	19.2	1.91	19.7	1.93
		115.5	14.0	1.14	15.2	1.37	16.5	1.60	17.9	1.81	18.4	1.85	19.2	1.89	19.7	1.90
	25	30.8	14.0	1.61	15.2	1.87	16.5	2.18	17.9	2.46	18.4	2.52	19.2	2.59	19.7	2.63
		38.5	14.0	1.58	15.2	1.84	16.5	2.15	17.9	2.42	18.4	2.48	19.2	2.54	19.7	2.59
		77.0	14.0	1.46	15.2	1.73	16.5	2.01	17.9	2.26	18.4	2.32	19.2	2.38	19.7	2.42
		96.3	14.0	1.41	15.2	1.69	16.5	1.97	17.9	2.22	18.4	2.27	19.2	2.33	19.7	2.36
		115.5	14.0	1.39	15.2	1.68	16.5	1.96	17.9	2.20	18.4	2.25	19.2	2.31	19.7	2.33
	30	30.8	14.0	1.99	15.2	2.31	16.5	2.69	17.9	3.03	18.4	3.10	19.2	3.17	19.7	3.24
		38.5	14.0	1.95	15.2	2.27	16.5	2.65	17.9	2.98	18.4	3.05	19.2	3.12	19.7	3.18
		77.0	14.0	1.79	15.2	2.12	16.5	2.47	17.9	2.78	18.4	2.85	19.2	2.92	19.7	2.97
		96.3	14.0	1.74	15.2	2.08	16.5	2.42	17.9	2.73	18.4	2.80	19.2	2.87	19.7	2.90
		115.5	14.0	1.71	15.2	2.06	16.5	2.40	17.9	2.70	18.4	2.77	19.2	2.84	19.7	2.86
	35	30.8	14.0	2.21	15.2	2.57	16.5	2.99	17.9	3.36	18.4	3.44	19.2	3.53	19.7	3.59
		38.5	14.0	2.17	15.2	2.53	16.5	2.94	17.9	3.31	18.4	3.39	19.2	3.47	19.7	3.54
		77.0	14.0	1.99	15.2	2.36	16.5	2.75	17.9	3.10	18.4	3.17	19.2	3.25	19.7	3.31
		96.3	14.0	1.94	15.2	2.31	16.5	2.69	17.9	3.04	18.4	3.11	19.2	3.19	19.7	3.22
		115.5	14.0	1.91	15.2	2.28	16.5	2.67	17.9	3.00	18.4	3.07	19.2	3.17	19.7	3.18
	40	30.8	14.0	2.61	15.2	3.04	16.5	3.54	17.9	3.99	18.4	4.07	19.2	4.18	19.7	4.25
		38.5	14.0	2.56	15.2	2.99	16.5	3.48	17.9	3.92	18.4	4.01	19.2	4.11	19.7	4.18
		77.0	14.0	2.36	15.2	2.79	16.5	3.25	17.9	3.67	18.4	3.75	19.2	3.85	19.7	3.92
		96.3	14.0	2.29	15.2	2.74	16.5	3.18	17.9	3.60	18.4	3.68	19.2	3.77	19.7	3.82
		115.5	14.0	2.25	15.2	2.71	16.5	3.15	17.9	3.56	18.4	3.65	19.2	3.73	19.7	3.76
	45	30.8	14.0	3.01	15.2	3.52	16.5	4.09	17.9	4.61	18.4	4.71	19.2	4.83	19.7	4.91
		38.5	14.0	2.96	15.2	3.46	16.5	4.03	17.9	4.54	18.4	4.63	19.2	4.75	19.7	4.83
		77.0	14.0	2.73	15.2	3.22	16.5	3.76	17.9	4.24	18.4	4.34	19.2	4.46	19.7	4.54
		96.3	14.0	2.64	15.2	3.17	16.5	3.68	17.9	4.16	18.4	4.26	19.2	4.35	19.7	4.41
		115.5	14.0	2.60	15.2	3.14	16.5	3.63	17.9	4.12	18.4	4.22	19.2	4.30	19.7	4.35
70	10	30.8	12.2	0.66	13.3	0.76	14.4	0.90	15.7	1.01	16.1	1.02	16.8	1.06	17.2	1.07
		38.5	12.2	0.65	13.3	0.75	14.4	0.89	15.7	1.00	16.1	1.00	16.8	1.04	17.2	1.05
		77.0	12.2	0.60	13.3	0.71	14.4	0.83	15.7	0.93	16.1	0.95	16.8	0.97	17.2	1.00
		96.3	12.2	0.57	13.3	0.68	14.4	0.80	15.7	0.90	16.1	0.92	16.8	0.95	17.2	0.97
		115.5	12.2	0.56	13.3	0.67	14.4	0.79	15.7	0.89	16.1	0.91	16.8	0.95	17.2	0.96
	15	30.8	12.2	0.89	13.3	1.03	14.4	1.21	15.7	1.36	16.1	1.39	16.8	1.43	17.2	1.45
		38.5	12.2	0.88	13.3	1.02	14.4	1.19	15.7	1.34	16.1	1.37	16.8	1.40	17.2	1.43
		77.0	12.2	0.81	13.3	0.96	14.4	1.11	15.7	1.25	16.1	1.28	16.8	1.32	17.2	1.34
		96.3	12.2	0.78	13.3	0.93	14.4	1.09	15.7	1.23	16.1	1.25	16.8	1.29	17.2	1.31
		115.5	12.2	0.77	13.3	0.92	14.4	1.07	15.7	1.22	16.1	1.24	16.8	1.28	17.2	1.29
	20	30.8	12.2	1.10	13.3	1.27	14.4	1.49	15.7	1.68	16.1	1.72	16.8	1.75	17.2	1.79
		38.5	12.2	1.08	13.3	1.25	14.4	1.47	15.7	1.65	16.1	1.69	16.8	1.73	17.2	1.76
		77.0	12.2	0.99	13.3	1.18	14.4	1.37	15.7	1.54	16.1	1.58	16.8	1.62	17.2	1.65
		96.3	12.2	0.97	13.3	1.15	14.4	1.34	15.7	1.52	16.1	1.55	16.8	1.59	17.2	1.61
		115.5	12.2	0.95	13.3	1.14	14.4	1.33	15.7	1.50	16.1	1.54	16.8	1.57	17.2	1.58
	25	30.8	12.2	1.34	13.3	1.56	14.4	1.82	15.7	2.05	16.1	2.09	16.8	2.15	17.2	2.18
		38.5	12.2	1.32	13.3	1.54	14.4	1.79	15.7	2.02	16.1	2.06	16.8	2.11	17.2	2.15
		77.0	12.2	1.21	13.3	1.44	14.4	1.68	15.7	1.89	16.1	1.93	16.8	1.97	17.2	2.01
		96.3	12.2	1.18	13.3	1.40	14.4	1.64	15.7	1.84	16.1	1.89	16.8	1.94	17.2	1.96
		115.5	12.2	1.16	13.3	1.39	14.4	1.62	15.7	1.82	16.1	1.88	16.8	1.92	17.2	1.93

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	30.8	12.2	1.66	13.3	1.92	14.4	2.24	15.7	2.51	16.1	2.58	16.8	2.64	17.2	2.68
		38.5	12.2	1.62	13.3	1.89	14.4	2.20	15.7	2.47	16.1	2.54	16.8	2.60	17.2	2.64
		77.0	12.2	1.49	13.3	1.76	14.4	2.05	15.7	2.32	16.1	2.37	16.8	2.43	17.2	2.47
		96.3	12.2	1.45	13.3	1.73	14.4	2.02	15.7	2.27	16.1	2.32	16.8	2.39	17.2	2.41
		115.5	12.2	1.43	13.3	1.71	14.4	2.00	15.7	2.25	16.1	2.30	16.8	2.36	17.2	2.38
	35	30.8	12.2	1.83	13.3	2.13	14.4	2.49	15.7	2.80	16.1	2.86	16.8	2.93	17.2	2.99
		38.5	12.2	1.80	13.3	2.10	14.4	2.45	15.7	2.75	16.1	2.82	16.8	2.89	17.2	2.94
		77.0	12.2	1.66	13.3	1.97	14.4	2.28	15.7	2.57	16.1	2.63	16.8	2.70	17.2	2.75
		96.3	12.2	1.61	13.3	1.92	14.4	2.24	15.7	2.53	16.1	2.59	16.8	2.65	17.2	2.68
		115.5	12.2	1.58	13.3	1.90	14.4	2.22	15.7	2.50	16.1	2.57	16.8	2.62	17.2	2.64
	40	30.8	12.2	2.18	13.3	2.52	14.4	2.94	15.7	3.31	16.1	3.39	16.8	3.48	17.2	3.54
		38.5	12.2	2.13	13.3	2.48	14.4	2.90	15.7	3.25	16.1	3.33	16.8	3.42	17.2	3.48
		77.0	12.2	1.96	13.3	2.32	14.4	2.70	15.7	3.04	16.1	3.12	16.8	3.20	17.2	3.25
		96.3	12.2	1.90	13.3	2.27	14.4	2.65	15.7	2.99	16.1	3.06	16.8	3.14	17.2	3.18
		115.5	12.2	1.88	13.3	2.25	14.4	2.62	15.7	2.97	16.1	3.03	16.8	3.11	17.2	3.14
	45	30.8	12.2	2.52	13.3	2.92	14.4	3.40	15.7	3.81	16.1	3.91	16.8	4.02	17.2	4.10
		38.5	12.2	2.47	13.3	2.87	14.4	3.34	15.7	3.75	16.1	3.85	16.8	3.96	17.2	4.03
		77.0	12.2	2.25	13.3	2.68	14.4	3.12	15.7	3.52	16.1	3.61	16.8	3.70	17.2	3.75
		96.3	12.2	2.20	13.3	2.62	14.4	3.06	15.7	3.46	16.1	3.54	16.8	3.63	17.2	3.68
		115.5	12.2	2.18	13.3	2.59	14.4	3.03	15.7	3.43	16.1	3.50	16.8	3.60	17.2	3.64
60	10	30.8	10.5	0.54	11.4	0.62	12.4	0.71	13.4	0.81	13.8	0.83	14.4	0.85	14.8	0.86
		38.5	10.5	0.52	11.4	0.61	12.4	0.70	13.4	0.79	13.8	0.81	14.4	0.84	14.8	0.84
		77.0	10.5	0.47	11.4	0.57	12.4	0.65	13.4	0.74	13.8	0.74	14.4	0.77	14.8	0.79
		96.3	10.5	0.46	11.4	0.55	12.4	0.64	13.4	0.73	13.8	0.73	14.4	0.75	14.8	0.76
		115.5	10.5	0.45	11.4	0.54	12.4	0.64	13.4	0.72	13.8	0.73	14.4	0.74	14.8	0.74
	15	30.8	10.5	0.72	11.4	0.83	12.4	0.96	13.4	1.09	13.8	1.12	14.4	1.14	14.8	1.16
		38.5	10.5	0.70	11.4	0.82	12.4	0.95	13.4	1.07	13.8	1.10	14.4	1.12	14.8	1.14
		77.0	10.5	0.64	11.4	0.76	12.4	0.89	13.4	1.00	13.8	1.02	14.4	1.04	14.8	1.07
		96.3	10.5	0.62	11.4	0.75	12.4	0.87	13.4	0.98	13.8	1.00	14.4	1.03	14.8	1.04
		115.5	10.5	0.61	11.4	0.74	12.4	0.86	13.4	0.97	13.8	0.99	14.4	1.02	14.8	1.02
	20	30.8	10.5	0.88	11.4	1.02	12.4	1.18	13.4	1.34	13.8	1.37	14.4	1.40	14.8	1.43
		38.5	10.5	0.86	11.4	1.00	12.4	1.17	13.4	1.32	13.8	1.35	14.4	1.38	14.8	1.40
		77.0	10.5	0.79	11.4	0.94	12.4	1.10	13.4	1.23	13.8	1.26	14.4	1.29	14.8	1.32
		96.3	10.5	0.77	11.4	0.92	12.4	1.07	13.4	1.21	13.8	1.24	14.4	1.27	14.8	1.28
		115.5	10.5	0.76	11.4	0.91	12.4	1.06	13.4	1.20	13.8	1.22	14.4	1.26	14.8	1.26
	25	30.8	10.5	1.07	11.4	1.24	12.4	1.44	13.4	1.63	13.8	1.67	14.4	1.71	14.8	1.74
		38.5	10.5	1.05	11.4	1.22	12.4	1.42	13.4	1.61	13.8	1.64	14.4	1.68	14.8	1.71
		77.0	10.5	0.97	11.4	1.14	12.4	1.33	13.4	1.50	13.8	1.54	14.4	1.58	14.8	1.61
		96.3	10.5	0.94	11.4	1.12	12.4	1.31	13.4	1.47	13.8	1.51	14.4	1.54	14.8	1.56
		115.5	10.5	0.93	11.4	1.11	12.4	1.29	13.4	1.46	13.8	1.50	14.4	1.53	14.8	1.54
	30	30.8	10.5	1.32	11.4	1.54	12.4	1.78	13.4	2.01	13.8	2.05	14.4	2.10	14.8	2.14
		38.5	10.5	1.29	11.4	1.51	12.4	1.75	13.4	1.97	13.8	2.02	14.4	2.07	14.8	2.11
		77.0	10.5	1.18	11.4	1.40	12.4	1.64	13.4	1.84	13.8	1.89	14.4	1.94	14.8	1.97
		96.3	10.5	1.16	11.4	1.38	12.4	1.61	13.4	1.81	13.8	1.85	14.4	1.90	14.8	1.92
		115.5	10.5	1.14	11.4	1.36	12.4	1.59	13.4	1.79	13.8	1.83	14.4	1.89	14.8	1.90
	35	30.8	10.5	1.46	11.4	1.70	12.4	1.98	13.4	2.23	13.8	2.28	14.4	2.33	14.8	2.38
		38.5	10.5	1.43	11.4	1.68	12.4	1.95	13.4	2.19	13.8	2.25	14.4	2.30	14.8	2.34
		77.0	10.5	1.32	11.4	1.56	12.4	1.82	13.4	2.05	13.8	2.10	14.4	2.16	14.8	2.19
		96.3	10.5	1.28	11.4	1.53	12.4	1.78	13.4	2.01	13.8	2.06	14.4	2.11	14.8	2.13
		115.5	10.5	1.26	11.4	1.51	12.4	1.76	13.4	1.99	13.8	2.04	14.4	2.09	14.8	2.10
	40	30.8	10.5	1.74	11.4	2.02	12.4	2.34	13.4	2.64	13.8	2.70	14.4	2.77	14.8	2.82
		38.5	10.5	1.70	11.4	1.98	12.4	2.31	13.4	2.60	13.8	2.66	14.4	2.73	14.8	2.77
		77.0	10.5	1.56	11.4	1.85	12.4	2.16	13.4	2.43	13.8	2.48	14.4	2.55	14.8	2.60
		96.3	10.5	1.52	11.4	1.82	12.4	2.11	13.4	2.38	13.8	2.44	14.4	2.50	14.8	2.53
		115.5	10.5	1.50	11.4	1.80	12.4	2.09	13.4	2.35	13.8	2.42	14.4	2.47	14.8	2.49
	45	30.8	10.5	2.02	11.4	2.33	12.4	2.71	13.4	3.05	13.8	3.12	14.4	3.21	14.8	3.25
		38.5	10.5	1.97	11.4	2.29	12.4	2.67	13.4	3.00	13.8	3.07	14.4	3.16	14.8	3.20
		77.0	10.5	1.81	11.4	2.14	12.4	2.49	13.4	2.81	13.8	2.87	14.4	2.95	14.8	3.00
		96.3	10.5	1.75	11.4	2.11	12.4	2.45	13.4	2.75	13.8	2.82	14.4	2.89	14.8	2.92
		115.5	10.5	1.73	11.4	2.09	12.4	2.43	13.4	2.72	13.8	2.79	14.4	2.86	14.8	2.88
50	10	30.8	8.7	0.38	9.5	0.45	10.3	0.55	11.2	0.60	11.5	0.61	12.0	0.63	12.3	0.64
		38.5	8.7	0.38	9.5	0.45	10.3	0.53	11.2	0.59	11.5	0.60	12.0	0.62	12.3	0.63
		77.0	8.7	0.36	9.5	0.42	10.3	0.48	11.2	0.55	11.5	0.57	12.0	0.57	12.3	0.59
		96.3	8.7	0.35	9.5	0.40	10.3	0.48	11.2	0.53	11.5	0.55	12.0	0.56	12.3	0.56
		115.5	8.7	0.34	9.5	0.40	10.3	0.48	11.2	0.52	11.5	0.54	12.0	0.55	12.3	0.55

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	30.8	8.7	0.53	9.5	0.61	10.3	0.72	11.2	0.81	11.5	0.83	12.0	0.85	12.3	0.86
		38.5	8.7	0.52	9.5	0.61	10.3	0.71	11.2	0.80	11.5	0.82	12.0	0.83	12.3	0.85
		77.0	8.7	0.48	9.5	0.57	10.3	0.66	11.2	0.75	11.5	0.76	12.0	0.78	12.3	0.80
		96.3	8.7	0.46	9.5	0.55	10.3	0.65	11.2	0.73	11.5	0.75	12.0	0.76	12.3	0.77
		115.5	8.7	0.46	9.5	0.54	10.3	0.64	11.2	0.72	11.5	0.74	12.0	0.75	12.3	0.76
	20	30.8	8.7	0.65	9.5	0.76	10.3	0.88	11.2	1.00	11.5	1.03	12.0	1.04	12.3	1.06
		38.5	8.7	0.64	9.5	0.75	10.3	0.87	11.2	0.98	11.5	1.01	12.0	1.03	12.3	1.04
		77.0	8.7	0.59	9.5	0.70	10.3	0.82	11.2	0.92	11.5	0.94	12.0	0.97	12.3	0.98
		96.3	8.7	0.57	9.5	0.68	10.3	0.80	11.2	0.90	11.5	0.92	12.0	0.95	12.3	0.96
		115.5	8.7	0.56	9.5	0.68	10.3	0.79	11.2	0.89	11.5	0.91	12.0	0.94	12.3	0.94
	25	30.8	8.7	0.80	9.5	0.93	10.3	1.08	11.2	1.21	11.5	1.25	12.0	1.27	12.3	1.30
		38.5	8.7	0.78	9.5	0.91	10.3	1.06	11.2	1.19	11.5	1.23	12.0	1.25	12.3	1.28
		77.0	8.7	0.72	9.5	0.85	10.3	0.99	11.2	1.12	11.5	1.15	12.0	1.18	12.3	1.19
		96.3	8.7	0.70	9.5	0.83	10.3	0.97	11.2	1.10	11.5	1.12	12.0	1.15	12.3	1.17
		115.5	8.7	0.69	9.5	0.82	10.3	0.97	11.2	1.08	11.5	1.11	12.0	1.14	12.3	1.15
	30	30.8	8.7	0.98	9.5	1.14	10.3	1.33	11.2	1.50	11.5	1.53	12.0	1.57	12.3	1.59
		38.5	8.7	0.97	9.5	1.12	10.3	1.31	11.2	1.47	11.5	1.51	12.0	1.54	12.3	1.57
		77.0	8.7	0.89	9.5	1.05	10.3	1.22	11.2	1.38	11.5	1.41	12.0	1.45	12.3	1.47
		96.3	8.7	0.86	9.5	1.03	10.3	1.19	11.2	1.35	11.5	1.39	12.0	1.42	12.3	1.43
		115.5	8.7	0.85	9.5	1.01	10.3	1.18	11.2	1.34	11.5	1.37	12.0	1.41	12.3	1.41
	35	30.8	8.7	1.09	9.5	1.27	10.3	1.48	11.2	1.66	11.5	1.70	12.0	1.75	12.3	1.77
		38.5	8.7	1.07	9.5	1.25	10.3	1.46	11.2	1.63	11.5	1.68	12.0	1.72	12.3	1.75
		77.0	8.7	0.98	9.5	1.17	10.3	1.36	11.2	1.53	11.5	1.56	12.0	1.61	12.3	1.63
		96.3	8.7	0.96	9.5	1.14	10.3	1.33	11.2	1.50	11.5	1.54	12.0	1.58	12.3	1.59
		115.5	8.7	0.94	9.5	1.13	10.3	1.32	11.2	1.49	11.5	1.52	12.0	1.57	12.3	1.57
	40	30.8	8.7	1.29	9.5	1.50	10.3	1.75	11.2	1.97	11.5	2.02	12.0	2.07	12.3	2.10
		38.5	8.7	1.26	9.5	1.47	10.3	1.72	11.2	1.94	11.5	1.98	12.0	2.04	12.3	2.07
		77.0	8.7	1.17	9.5	1.38	10.3	1.61	11.2	1.81	11.5	1.85	12.0	1.90	12.3	1.94
		96.3	8.7	1.13	9.5	1.35	10.3	1.58	11.2	1.77	11.5	1.82	12.0	1.87	12.3	1.89
		115.5	8.7	1.11	9.5	1.34	10.3	1.57	11.2	1.75	11.5	1.80	12.0	1.85	12.3	1.86
	45	30.8	8.7	1.48	9.5	1.73	10.3	2.02	11.2	2.29	11.5	2.33	12.0	2.39	12.3	2.43
		38.5	8.7	1.46	9.5	1.70	10.3	1.98	11.2	2.25	11.5	2.29	12.0	2.35	12.3	2.39
		77.0	8.7	1.35	9.5	1.59	10.3	1.85	11.2	2.09	11.5	2.14	12.0	2.20	12.3	2.25
		96.3	8.7	1.31	9.5	1.56	10.3	1.82	11.2	2.04	11.5	2.10	12.0	2.16	12.3	2.18
		115.5	8.7	1.29	9.5	1.55	10.3	1.81	11.2	2.02	11.5	2.07	12.0	2.14	12.3	2.15

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(10HP)

ARWN100LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	38.4	26.0	1.71	28.2	2.00	30.7	2.33	33.3	2.62	34.4	2.67	35.7	2.76	36.7	2.80
		48.0	26.0	1.68	28.2	1.97	30.7	2.29	33.3	2.57	34.4	2.63	35.7	2.72	36.7	2.76
		96.0	26.0	1.56	28.2	1.83	30.7	2.13	33.3	2.41	34.4	2.48	35.7	2.53	36.7	2.59
		120.0	26.0	1.51	28.2	1.80	30.7	2.10	33.3	2.35	34.4	2.42	35.7	2.49	36.7	2.52
		144.0	26.0	1.49	28.2	1.79	30.7	2.08	33.3	2.33	34.4	2.40	35.7	2.46	36.7	2.48
	15	38.4	25.6	2.25	27.7	2.62	30.2	3.06	32.8	3.44	33.8	3.52	35.1	3.61	36.1	3.67
		48.0	25.6	2.21	27.7	2.58	30.2	3.01	32.8	3.38	33.8	3.46	35.1	3.55	36.1	3.62
		96.0	25.6	2.04	27.7	2.41	30.2	2.81	32.8	3.16	33.8	3.24	35.1	3.33	36.1	3.40
		120.0	25.6	1.98	27.7	2.36	30.2	2.75	32.8	3.10	33.8	3.18	35.1	3.26	36.1	3.32
		144.0	25.6	1.95	27.7	2.34	30.2	2.73	32.8	3.07	33.8	3.15	35.1	3.23	36.1	3.28
	20	38.4	25.2	2.74	27.3	3.18	29.8	3.70	32.4	4.17	33.3	4.27	34.6	4.37	35.6	4.45
		48.0	25.2	2.68	27.3	3.13	29.8	3.64	32.4	4.10	33.3	4.20	34.6	4.30	35.6	4.38
		96.0	25.2	2.46	27.3	2.93	29.8	3.41	32.4	3.84	33.3	3.93	34.6	4.04	35.6	4.12
		120.0	25.2	2.40	27.3	2.86	29.8	3.34	32.4	3.76	33.3	3.85	34.6	3.95	35.6	4.03
		144.0	25.2	2.37	27.3	2.83	29.8	3.30	32.4	3.73	33.3	3.82	34.6	3.91	35.6	3.98
	25	38.4	25.2	3.38	27.3	3.92	29.8	4.56	32.4	5.15	33.3	5.27	34.6	5.39	35.6	5.48
		48.0	25.2	3.31	27.3	3.85	29.8	4.49	32.4	5.06	33.3	5.18	34.6	5.31	35.6	5.40
		96.0	25.2	3.04	27.3	3.61	29.8	4.20	32.4	4.73	33.3	4.84	34.6	4.98	35.6	5.07
		120.0	25.2	2.95	27.3	3.53	29.8	4.12	32.4	4.64	33.3	4.75	34.6	4.88	35.6	4.96
		144.0	25.2	2.91	27.3	3.49	29.8	4.08	32.4	4.59	33.3	4.71	34.6	4.83	35.6	4.91
	30	38.4	25.2	4.05	27.3	4.70	29.8	5.48	32.4	6.17	33.3	6.32	34.6	6.47	35.6	6.58
		48.0	25.2	3.97	27.3	4.63	29.8	5.39	32.4	6.07	33.3	6.22	34.6	6.37	35.6	6.48
		96.0	25.2	3.64	27.3	4.33	29.8	5.04	32.4	5.67	33.3	5.82	34.6	5.97	35.6	6.09
		120.0	25.2	3.54	27.3	4.24	29.8	4.94	32.4	5.56	33.3	5.71	34.6	5.85	35.6	5.95
		144.0	25.2	3.49	27.3	4.19	29.8	4.88	32.4	5.51	33.3	5.65	34.6	5.79	35.6	5.88
	35	38.4	22.7	4.09	24.6	4.76	26.8	5.54	29.1	6.23	30.0	6.39	31.2	6.55	32.0	6.65
		48.0	22.7	4.01	24.6	4.68	26.8	5.45	29.1	6.14	30.0	6.29	31.2	6.44	32.0	6.55
		96.0	22.7	3.69	24.6	4.37	26.8	5.10	29.1	5.74	30.0	5.88	31.2	6.04	32.0	6.16
		120.0	22.7	3.59	24.6	4.28	26.8	4.99	29.1	5.63	30.0	5.77	31.2	5.92	32.0	6.02
		144.0	22.7	3.54	24.6	4.24	26.8	4.94	29.1	5.57	30.0	5.72	31.2	5.86	32.0	5.94
	40	38.4	20.2	4.32	21.9	5.02	23.8	5.85	25.9	6.58	26.7	6.73	27.7	6.90	28.5	7.02
		48.0	20.2	4.24	21.9	4.94	23.8	5.75	25.9	6.47	26.7	6.63	27.7	6.79	28.5	6.92
		96.0	20.2	3.89	21.9	4.62	23.8	5.38	25.9	6.05	26.7	6.21	27.7	6.37	28.5	6.50
		120.0	20.2	3.78	21.9	4.52	23.8	5.26	25.9	5.94	26.7	6.09	27.7	6.24	28.5	6.35
		144.0	20.2	3.73	21.9	4.47	23.8	5.20	25.9	5.88	26.7	6.03	27.7	6.18	28.5	6.28
	45	38.4	17.6	4.56	19.2	5.27	20.8	6.15	22.6	6.92	23.3	7.07	24.2	7.24	24.9	7.39
		48.0	17.6	4.46	19.2	5.19	20.8	6.05	22.6	6.81	23.3	6.96	24.2	7.14	24.9	7.28
		96.0	17.6	4.09	19.2	4.86	20.8	5.66	22.6	6.36	23.3	6.54	24.2	6.71	24.9	6.84
		120.0	17.6	3.97	19.2	4.75	20.8	5.54	22.6	6.24	23.3	6.41	24.2	6.57	24.9	6.69
		144.0	17.6	3.91	19.2	4.70	20.8	5.47	22.6	6.18	23.3	6.34	24.2	6.50	24.9	6.62
120	10	38.4	24.6	1.63	26.7	1.90	29.1	2.20	31.6	2.48	32.5	2.55	33.8	2.62	34.7	2.65
		48.0	24.6	1.60	26.7	1.87	29.1	2.17	31.6	2.44	32.5	2.51	33.8	2.57	34.7	2.61
		96.0	24.6	1.46	26.7	1.75	29.1	2.04	31.6	2.28	32.5	2.33	33.8	2.39	34.7	2.45
		120.0	24.6	1.42	26.7	1.69	29.1	1.99	31.6	2.23	32.5	2.30	33.8	2.35	34.7	2.40
		144.0	24.6	1.40	26.7	1.66	29.1	1.97	31.6	2.20	32.5	2.28	33.8	2.33	34.7	2.37
	15	38.4	24.4	2.16	26.4	2.51	28.7	2.92	31.2	3.29	32.1	3.37	33.4	3.45	34.3	3.51
		48.0	24.4	2.12	26.4	2.47	28.7	2.87	31.2	3.24	32.1	3.32	33.4	3.40	34.3	3.45
		96.0	24.4	1.95	26.4	2.31	28.7	2.69	31.2	3.03	32.1	3.10	33.4	3.18	34.3	3.24
		120.0	24.4	1.89	26.4	2.25	28.7	2.64	31.2	2.96	32.1	3.04	33.4	3.12	34.3	3.17
		144.0	24.4	1.86	26.4	2.23	28.7	2.61	31.2	2.93	32.1	3.02	33.4	3.09	34.3	3.14
	20	38.4	24.1	2.63	26.1	3.06	28.4	3.56	30.9	4.01	31.8	4.10	33.1	4.20	34.0	4.27
		48.0	24.1	2.58	26.1	3.01	28.4	3.50	30.9	3.94	31.8	4.04	33.1	4.14	34.0	4.21
		96.0	24.1	2.37	26.1	2.81	28.4	3.27	30.9	3.69	31.8	3.78	33.1	3.88	34.0	3.95
		120.0	24.1	2.31	26.1	2.75	28.4	3.21	30.9	3.62	31.8	3.71	33.1	3.80	34.0	3.86
		144.0	24.1	2.28	26.1	2.73	28.4	3.18	30.9	3.58	31.8	3.67	33.1	3.76	34.0	3.82
	25	38.4	24.1	3.24	26.1	3.76	28.4	4.38	30.9	4.92	31.8	5.04	33.1	5.17	34.0	5.26
		48.0	24.1	3.17	26.1	3.70	28.4	4.31	30.9	4.84	31.8	4.96	33.1	5.09	34.0	5.18
		96.0	24.1	2.92	26.1	3.45	28.4	4.03	30.9	4.54	31.8	4.64	33.1	4.76	34.0	4.86
		120.0	24.1	2.84	26.1	3.38	28.4	3.94	30.9	4.44	31.8	4.55	33.1	4.67	34.0	4.74
		144.0	24.1	2.79	26.1	3.34	28.4	3.90	30.9	4.40	31.8	4.51	33.1	4.63	34.0	4.69
	30	38.4	24.1	3.90	26.1	4.55	28.4	5.30	30.9	5.96	31.8	6.10	33.1	6.25	34.0	6.36
		48.0	24.1	3.83	26.1	4.47	28.4	5.21	30.9	5.86	31.8	6.00	33.1	6.15	34.0	6.26
		96.0	24.1	3.53	26.1	4.18	28.4	4.86	30.9	5.48	31.8	5.62	33.1	5.76	34.0	5.87
		120.0	24.1	3.43	26.1	4.09	28.4	4.76	30.9	5.37	31.8	5.51	33.1	5.65	34.0	5.74
		144.0	24.1	3.38	26.1	4.04	28.4	4.71	30.9	5.32	31.8	5.45	33.1	5.60	34.0	5.67

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	38.4	22.0	4.01	23.9	4.66	26.0	5.42	28.3	6.11	29.1	6.25	30.2	6.40	31.1	6.52
		48.0	22.0	3.93	23.9	4.58	26.0	5.34	28.3	6.01	29.1	6.15	30.2	6.30	31.1	6.42
		96.0	22.0	3.61	23.9	4.28	26.0	4.99	28.3	5.62	29.1	5.75	30.2	5.91	31.1	6.02
		120.0	22.0	3.51	23.9	4.19	26.0	4.89	28.3	5.51	29.1	5.64	30.2	5.79	31.1	5.88
		144.0	22.0	3.46	23.9	4.14	26.0	4.84	28.3	5.45	29.1	5.59	30.2	5.73	31.1	5.81
	40	38.4	20.0	4.31	21.7	5.01	23.6	5.84	25.7	6.57	26.4	6.72	27.4	6.89	28.2	7.02
		48.0	20.0	4.23	21.7	4.93	23.6	5.74	25.7	6.46	26.4	6.62	27.4	6.78	28.2	6.91
		96.0	20.0	3.89	21.7	4.61	23.6	5.37	25.7	6.04	26.4	6.19	27.4	6.35	28.2	6.48
		120.0	20.0	3.78	21.7	4.51	23.6	5.26	25.7	5.93	26.4	6.08	27.4	6.24	28.2	6.33
		144.0	20.0	3.73	21.7	4.46	23.6	5.21	25.7	5.87	26.4	6.03	27.4	6.18	28.2	6.25
	45	38.4	18.0	4.62	19.4	5.36	21.2	6.25	23.1	7.03	23.7	7.20	24.6	7.38	25.3	7.51
		48.0	18.0	4.53	19.4	5.27	21.2	6.15	23.1	6.92	23.7	7.08	24.6	7.26	25.3	7.40
		96.0	18.0	4.17	19.4	4.94	21.2	5.75	23.1	6.47	23.7	6.63	24.6	6.80	25.3	6.94
		120.0	18.0	4.05	19.4	4.83	21.2	5.64	23.1	6.34	23.7	6.52	24.6	6.68	25.3	6.77
		144.0	18.0	3.99	19.4	4.77	21.2	5.58	23.1	6.28	23.7	6.46	24.6	6.62	25.3	6.68
110	10	38.4	23.2	1.54	25.2	1.78	27.4	2.09	29.8	2.34	30.6	2.39	31.9	2.47	32.7	2.50
		48.0	23.2	1.51	25.2	1.75	27.4	2.05	29.8	2.30	30.6	2.36	31.9	2.43	32.7	2.46
		96.0	23.2	1.38	25.2	1.64	27.4	1.91	29.8	2.15	30.6	2.22	31.9	2.27	32.7	2.30
		120.0	23.2	1.35	25.2	1.60	27.4	1.86	29.8	2.12	30.6	2.15	31.9	2.22	32.7	2.25
		144.0	23.2	1.33	25.2	1.58	27.4	1.84	29.8	2.10	30.6	2.12	31.9	2.20	32.7	2.22
	15	38.4	23.1	2.06	25.0	2.39	27.2	2.79	29.6	3.14	30.5	3.21	31.7	3.30	32.6	3.35
		48.0	23.1	2.02	25.0	2.35	27.2	2.74	29.6	3.09	30.5	3.16	31.7	3.24	32.6	3.30
		96.0	23.1	1.85	25.0	2.20	27.2	2.56	29.6	2.89	30.5	2.96	31.7	3.04	32.6	3.09
		120.0	23.1	1.81	25.0	2.15	27.2	2.51	29.6	2.84	30.5	2.90	31.7	2.98	32.6	3.02
		144.0	23.1	1.79	25.0	2.13	27.2	2.48	29.6	2.81	30.5	2.87	31.7	2.95	32.6	2.98
	20	38.4	23.0	2.52	24.9	2.94	27.1	3.42	29.5	3.85	30.3	3.95	31.5	4.04	32.4	4.11
		48.0	23.0	2.47	24.9	2.89	27.1	3.36	29.5	3.79	30.3	3.88	31.5	3.97	32.4	4.04
		96.0	23.0	2.27	24.9	2.70	27.1	3.14	29.5	3.54	30.3	3.63	31.5	3.72	32.4	3.79
		120.0	23.0	2.22	24.9	2.64	27.1	3.08	29.5	3.47	30.3	3.56	31.5	3.65	32.4	3.70
		144.0	23.0	2.19	24.9	2.62	27.1	3.05	29.5	3.44	30.3	3.53	31.5	3.62	32.4	3.65
	25	38.4	23.0	3.09	24.9	3.59	27.1	4.18	29.5	4.71	30.3	4.82	31.5	4.94	32.4	5.03
		48.0	23.0	3.03	24.9	3.54	27.1	4.12	29.5	4.64	30.3	4.74	31.5	4.86	32.4	4.95
		96.0	23.0	2.79	24.9	3.31	27.1	3.85	29.5	4.34	30.3	4.44	31.5	4.55	32.4	4.64
		120.0	23.0	2.71	24.9	3.24	27.1	3.77	29.5	4.25	30.3	4.35	31.5	4.47	32.4	4.53
		144.0	23.0	2.67	24.9	3.20	27.1	3.73	29.5	4.21	30.3	4.31	31.5	4.43	32.4	4.47
	30	38.4	23.0	3.76	24.9	4.38	27.1	5.10	29.5	5.75	30.3	5.88	31.5	6.02	32.4	6.13
		48.0	23.0	3.69	24.9	4.31	27.1	5.02	29.5	5.65	30.3	5.79	31.5	5.93	32.4	6.04
		96.0	23.0	3.40	24.9	4.03	27.1	4.69	29.5	5.28	30.3	5.42	31.5	5.55	32.4	5.65
		120.0	23.0	3.31	24.9	3.94	27.1	4.60	29.5	5.18	30.3	5.31	31.5	5.44	32.4	5.52
		144.0	23.0	3.26	24.9	3.90	27.1	4.55	29.5	5.13	30.3	5.25	31.5	5.39	32.4	5.45
	35	38.4	21.4	3.92	23.2	4.55	25.3	5.30	27.4	5.98	28.3	6.12	29.4	6.26	30.2	6.38
		48.0	21.4	3.84	23.2	4.48	25.3	5.22	27.4	5.88	28.3	6.02	29.4	6.16	30.2	6.28
		96.0	21.4	3.54	23.2	4.19	25.3	4.88	27.4	5.50	28.3	5.63	29.4	5.77	30.2	5.88
		120.0	21.4	3.44	23.2	4.10	25.3	4.78	27.4	5.39	28.3	5.53	29.4	5.66	30.2	5.74
		144.0	21.4	3.39	23.2	4.05	25.3	4.73	27.4	5.33	28.3	5.48	29.4	5.61	30.2	5.66
	40	38.4	19.8	4.30	21.5	5.01	23.4	5.83	25.4	6.56	26.2	6.72	27.2	6.88	28.0	7.01
		48.0	19.8	4.22	21.5	4.93	23.4	5.74	25.4	6.45	26.2	6.61	27.2	6.77	28.0	6.90
		96.0	19.8	3.88	21.5	4.60	23.4	5.36	25.4	6.04	26.2	6.18	27.2	6.34	28.0	6.46
		120.0	19.8	3.77	21.5	4.50	23.4	5.25	25.4	5.92	26.2	6.07	27.2	6.23	28.0	6.30
		144.0	19.8	3.72	21.5	4.45	23.4	5.20	25.4	5.86	26.2	6.02	27.2	6.17	28.0	6.22
	45	38.4	18.2	4.68	19.8	5.46	21.5	6.36	23.4	7.14	24.1	7.32	25.1	7.50	25.8	7.64
		48.0	18.2	4.59	19.8	5.37	21.5	6.25	23.4	7.03	24.1	7.20	25.1	7.38	25.8	7.52
		96.0	18.2	4.23	19.8	5.01	21.5	5.84	23.4	6.57	24.1	6.74	25.1	6.92	25.8	7.04
		120.0	18.2	4.11	19.8	4.90	21.5	5.73	23.4	6.44	24.1	6.62	25.1	6.79	25.8	6.86
		144.0	18.2	4.05	19.8	4.84	21.5	5.67	23.4	6.38	24.1	6.56	25.1	6.73	25.8	6.77
100	10	38.4	21.8	1.45	23.6	1.69	25.8	1.94	28.0	2.21	28.8	2.24	30.0	2.32	30.8	2.36
		48.0	21.8	1.43	23.6	1.66	25.8	1.91	28.0	2.18	28.8	2.21	30.0	2.28	30.8	2.33
		96.0	21.8	1.31	23.6	1.55	25.8	1.80	28.0	2.04	28.8	2.08	30.0	2.13	30.8	2.18
		120.0	21.8	1.27	23.6	1.51	25.8	1.76	28.0	1.99	28.8	2.04	30.0	2.09	30.8	2.11
		144.0	21.8	1.25	23.6	1.49	25.8	1.73	28.0	1.97	28.8	2.01	30.0	2.07	30.8	2.07
	15	38.4	21.8	1.97	23.6	2.28	25.8	2.65	28.0	2.99	28.8	3.06	30.0	3.14	30.8	3.20
		48.0	21.8	1.93	23.6	2.25	25.8	2.61	28.0	2.94	28.8	3.01	30.0	3.09	30.8	3.14
		96.0	21.8	1.77	23.6	2.10	25.8	2.45	28.0	2.75	28.8	2.82	30.0	2.89	30.8	2.94
		120.0	21.8	1.72	23.6	2.05	25.8	2.39	28.0	2.70	28.8	2.76	30.0	2.84	30.8	2.86
		144.0	21.8	1.69	23.6	2.03	25.8	2.36	28.0	2.67	28.8	2.74	30.0	2.81	30.8	2.82

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	38.4	21.8	2.42	23.6	2.81	25.8	3.28	28.0	3.69	28.8	3.78	30.0	3.87	30.8	3.93
		48.0	21.8	2.37	23.6	2.76	25.8	3.23	28.0	3.63	28.8	3.72	30.0	3.81	30.8	3.87
		96.0	21.8	2.18	23.6	2.59	25.8	3.02	28.0	3.39	28.8	3.47	30.0	3.56	30.8	3.63
		120.0	21.8	2.12	23.6	2.54	25.8	2.95	28.0	3.33	28.8	3.41	30.0	3.50	30.8	3.54
		144.0	21.8	2.09	23.6	2.51	25.8	2.92	28.0	3.29	28.8	3.38	30.0	3.47	30.8	3.49
	25	38.4	21.8	2.95	23.6	3.43	25.8	3.99	28.0	4.50	28.8	4.61	30.0	4.72	30.8	4.80
		48.0	21.8	2.89	23.6	3.37	25.8	3.93	28.0	4.43	28.8	4.54	30.0	4.64	30.8	4.73
		96.0	21.8	2.66	23.6	3.15	25.8	3.67	28.0	4.14	28.8	4.24	30.0	4.34	30.8	4.43
		120.0	21.8	2.59	23.6	3.09	25.8	3.60	28.0	4.05	28.8	4.15	30.0	4.26	30.8	4.31
		144.0	21.8	2.55	23.6	3.06	25.8	3.56	28.0	4.01	28.8	4.11	30.0	4.22	30.8	4.25
	30	38.4	21.8	3.63	23.6	4.22	25.8	4.92	28.0	5.53	28.8	5.66	30.0	5.80	30.8	5.91
		48.0	21.8	3.55	23.6	4.15	25.8	4.84	28.0	5.44	28.8	5.57	30.0	5.71	30.8	5.82
		96.0	21.8	3.27	23.6	3.88	25.8	4.52	28.0	5.09	28.8	5.21	30.0	5.34	30.8	5.44
		120.0	21.8	3.18	23.6	3.80	25.8	4.43	28.0	4.99	28.8	5.12	30.0	5.24	30.8	5.30
		144.0	21.8	3.14	23.6	3.76	25.8	4.38	28.0	4.94	28.8	5.07	30.0	5.19	30.8	5.23
	35	38.4	20.8	3.83	22.5	4.45	24.5	5.18	26.6	5.84	27.4	5.98	28.5	6.12	29.3	6.23
		48.0	20.8	3.75	22.5	4.38	24.5	5.10	26.6	5.74	27.4	5.88	28.5	6.03	29.3	6.14
		96.0	20.8	3.45	22.5	4.10	24.5	4.77	26.6	5.37	27.4	5.50	28.5	5.64	29.3	5.74
		120.0	20.8	3.36	22.5	4.01	24.5	4.67	26.6	5.27	27.4	5.40	28.5	5.54	29.3	5.59
		144.0	20.8	3.32	22.5	3.96	24.5	4.62	26.6	5.22	27.4	5.35	28.5	5.48	29.3	5.51
	40	38.4	19.6	4.30	21.3	5.00	23.2	5.82	25.2	6.55	26.0	6.71	27.0	6.87	27.7	6.99
		48.0	19.6	4.22	21.3	4.92	23.2	5.73	25.2	6.44	26.0	6.60	27.0	6.76	27.7	6.88
		96.0	19.6	3.87	21.3	4.60	23.2	5.35	25.2	6.03	26.0	6.17	27.0	6.33	27.7	6.44
		120.0	19.6	3.77	21.3	4.50	23.2	5.24	25.2	5.91	26.0	6.05	27.0	6.21	27.7	6.27
		144.0	19.6	3.72	21.3	4.45	23.2	5.19	25.2	5.85	26.0	5.99	27.0	6.15	27.7	6.18
	45	38.4	18.5	4.78	20.1	5.54	21.9	6.46	23.8	7.26	24.5	7.44	25.5	7.62	26.2	7.75
		48.0	18.5	4.68	20.1	5.45	21.9	6.35	23.8	7.14	24.5	7.32	25.5	7.50	26.2	7.63
		96.0	18.5	4.29	20.1	5.10	21.9	5.94	23.8	6.68	24.5	6.84	25.5	7.01	26.2	7.14
		120.0	18.5	4.18	20.1	4.99	21.9	5.82	23.8	6.54	24.5	6.71	25.5	6.88	26.2	6.95
		144.0	18.5	4.13	20.1	4.94	21.9	5.76	23.8	6.48	24.5	6.64	25.5	6.82	26.2	6.86
90	10	38.4	19.6	1.24	21.3	1.44	23.2	1.68	25.2	1.90	26.0	1.93	27.0	1.97	27.7	2.04
		48.0	19.6	1.21	21.3	1.42	23.2	1.65	25.2	1.87	26.0	1.91	27.0	1.95	27.7	2.00
		96.0	19.6	1.13	21.3	1.34	23.2	1.55	25.2	1.76	26.0	1.79	27.0	1.85	27.7	1.87
		120.0	19.6	1.09	21.3	1.29	23.2	1.52	25.2	1.70	26.0	1.76	27.0	1.81	27.7	1.81
		144.0	19.6	1.08	21.3	1.27	23.2	1.51	25.2	1.68	26.0	1.74	27.0	1.79	27.7	1.78
	15	38.4	19.6	1.69	21.3	1.96	23.2	2.28	25.2	2.58	26.0	2.63	27.0	2.70	27.7	2.75
		48.0	19.6	1.65	21.3	1.93	23.2	2.25	25.2	2.54	26.0	2.59	27.0	2.65	27.7	2.71
		96.0	19.6	1.53	21.3	1.81	23.2	2.10	25.2	2.37	26.0	2.43	27.0	2.49	27.7	2.54
		120.0	19.6	1.48	21.3	1.76	23.2	2.06	25.2	2.32	26.0	2.38	27.0	2.45	27.7	2.46
		144.0	19.6	1.46	21.3	1.74	23.2	2.04	25.2	2.29	26.0	2.36	27.0	2.42	27.7	2.43
	20	38.4	19.6	2.09	21.3	2.42	23.2	2.82	25.2	3.18	26.0	3.25	27.0	3.34	27.7	3.39
		48.0	19.6	2.05	21.3	2.38	23.2	2.77	25.2	3.13	26.0	3.20	27.0	3.28	27.7	3.34
		96.0	19.6	1.88	21.3	2.23	23.2	2.59	25.2	2.92	26.0	2.99	27.0	3.06	27.7	3.13
		120.0	19.6	1.83	21.3	2.18	23.2	2.55	25.2	2.86	26.0	2.94	27.0	3.01	27.7	3.04
		144.0	19.6	1.80	21.3	2.16	23.2	2.52	25.2	2.84	26.0	2.91	27.0	2.98	27.7	3.00
	25	38.4	19.6	2.54	21.3	2.96	23.2	3.44	25.2	3.87	26.0	3.96	27.0	4.06	27.7	4.14
		48.0	19.6	2.49	21.3	2.91	23.2	3.38	25.2	3.81	26.0	3.90	27.0	4.00	27.7	4.07
		96.0	19.6	2.29	21.3	2.72	23.2	3.16	25.2	3.56	26.0	3.64	27.0	3.74	27.7	3.81
		120.0	19.6	2.23	21.3	2.65	23.2	3.10	25.2	3.49	26.0	3.58	27.0	3.67	27.7	3.71
		144.0	19.6	2.19	21.3	2.62	23.2	3.07	25.2	3.45	26.0	3.55	27.0	3.64	27.7	3.66
	30	38.4	19.6	3.13	21.3	3.63	23.2	4.23	25.2	4.77	26.0	4.88	27.0	5.00	27.7	5.09
		48.0	19.6	3.06	21.3	3.57	23.2	4.16	25.2	4.69	26.0	4.80	27.0	4.92	27.7	5.01
		96.0	19.6	2.82	21.3	3.34	23.2	3.89	25.2	4.38	26.0	4.49	27.0	4.60	27.7	4.68
		120.0	19.6	2.74	21.3	3.27	23.2	3.81	25.2	4.30	26.0	4.40	27.0	4.52	27.7	4.56
		144.0	19.6	2.69	21.3	3.24	23.2	3.77	25.2	4.26	26.0	4.35	27.0	4.48	27.7	4.50
	35	38.4	19.1	3.38	20.7	3.92	22.5	4.56	24.5	5.14	25.2	5.26	26.2	5.38	26.9	5.49
		48.0	19.1	3.31	20.7	3.85	22.5	4.49	24.5	5.05	25.2	5.17	26.2	5.30	26.9	5.40
		96.0	19.1	3.04	20.7	3.60	22.5	4.20	24.5	4.73	25.2	4.84	26.2	4.96	26.9	5.05
		120.0	19.1	2.95	20.7	3.53	22.5	4.11	24.5	4.64	25.2	4.75	26.2	4.87	26.9	4.92
		144.0	19.1	2.91	20.7	3.49	22.5	4.06	24.5	4.59	25.2	4.71	26.2	4.83	26.9	4.85
	40	38.4	18.6	3.88	20.1	4.50	21.9	5.24	23.8	5.90	24.5	6.04	25.5	6.19	26.2	6.30
		48.0	18.6	3.80	20.1	4.43	21.9	5.15	23.8	5.81	24.5	5.94	25.5	6.09	26.2	6.20
		96.0	18.6	3.49	20.1	4.14	21.9	4.83	23.8	5.43	24.5	5.56	25.5	5.70	26.2	5.81
		120.0	18.6	3.39	20.1	4.05	21.9	4.73	23.8	5.33	24.5	5.45	25.5	5.60	26.2	5.65
		144.0	18.6	3.34	20.1	4.01	21.9	4.68	23.8	5.28	24.5	5.40	25.5	5.55	26.2	5.58

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	38.4	18.0	4.38	19.5	5.08	21.3	5.91	23.1	6.67	23.8	6.82	24.7	6.99	25.4	7.11
		48.0	18.0	4.29	19.5	5.00	21.3	5.82	23.1	6.56	23.8	6.72	24.7	6.88	25.4	7.00
		96.0	18.0	3.94	19.5	4.67	21.3	5.45	23.1	6.13	23.8	6.29	24.7	6.44	25.4	6.56
		120.0	18.0	3.83	19.5	4.58	21.3	5.34	23.1	6.02	23.8	6.15	24.7	6.33	25.4	6.39
		144.0	18.0	3.77	19.5	4.54	21.3	5.29	23.1	5.96	23.8	6.08	24.7	6.27	25.4	6.30
80	10	38.4	17.5	1.06	18.9	1.20	20.6	1.40	22.4	1.60	23.1	1.62	24.0	1.67	24.6	1.69
		48.0	17.5	1.03	18.9	1.19	20.6	1.38	22.4	1.57	23.1	1.60	24.0	1.64	24.6	1.66
		96.0	17.5	0.94	18.9	1.13	20.6	1.30	22.4	1.46	23.1	1.50	24.0	1.53	24.6	1.56
		120.0	17.5	0.93	18.9	1.09	20.6	1.28	22.4	1.43	23.1	1.46	24.0	1.50	24.6	1.52
		144.0	17.5	0.92	18.9	1.07	20.6	1.26	22.4	1.42	23.1	1.44	24.0	1.49	24.6	1.50
	15	38.4	17.5	1.42	18.9	1.64	20.6	1.91	22.4	2.16	23.1	2.21	24.0	2.26	24.6	2.30
		48.0	17.5	1.39	18.9	1.62	20.6	1.88	22.4	2.13	23.1	2.17	24.0	2.23	24.6	2.26
		96.0	17.5	1.27	18.9	1.52	20.6	1.76	22.4	1.98	23.1	2.04	24.0	2.08	24.6	2.12
		120.0	17.5	1.25	18.9	1.48	20.6	1.73	22.4	1.95	23.1	1.99	24.0	2.05	24.6	2.06
		144.0	17.5	1.23	18.9	1.46	20.6	1.71	22.4	1.93	23.1	1.97	24.0	2.03	24.6	2.04
	20	38.4	17.5	1.74	18.9	2.03	20.6	2.37	22.4	2.66	23.1	2.72	24.0	2.79	24.6	2.85
		48.0	17.5	1.71	18.9	2.00	20.6	2.33	22.4	2.62	23.1	2.68	24.0	2.74	24.6	2.80
		96.0	17.5	1.57	18.9	1.86	20.6	2.17	22.4	2.45	23.1	2.51	24.0	2.57	24.6	2.62
		120.0	17.5	1.53	18.9	1.83	20.6	2.13	22.4	2.40	23.1	2.46	24.0	2.53	24.6	2.55
		144.0	17.5	1.50	18.9	1.81	20.6	2.10	22.4	2.38	23.1	2.44	24.0	2.50	24.6	2.51
	25	38.4	17.5	2.13	18.9	2.48	20.6	2.88	22.4	3.24	23.1	3.33	24.0	3.41	24.6	3.46
		48.0	17.5	2.09	18.9	2.44	20.6	2.84	22.4	3.19	23.1	3.27	24.0	3.35	24.6	3.41
		96.0	17.5	1.92	18.9	2.27	20.6	2.65	22.4	2.99	23.1	3.05	24.0	3.14	24.6	3.19
		120.0	17.5	1.86	18.9	2.23	20.6	2.60	22.4	2.93	23.1	3.00	24.0	3.08	24.6	3.11
		144.0	17.5	1.84	18.9	2.20	20.6	2.57	22.4	2.89	23.1	2.97	24.0	3.05	24.6	3.07
	30	38.4	17.5	2.61	18.9	3.04	20.6	3.55	22.4	3.99	23.1	4.08	24.0	4.18	24.6	4.27
		48.0	17.5	2.56	18.9	2.99	20.6	3.49	22.4	3.93	23.1	4.02	24.0	4.12	24.6	4.20
		96.0	17.5	2.36	18.9	2.80	20.6	3.26	22.4	3.67	23.1	3.76	24.0	3.85	24.6	3.93
		120.0	17.5	2.30	18.9	2.74	20.6	3.19	22.4	3.60	23.1	3.69	24.0	3.78	24.6	3.83
		144.0	17.5	2.27	18.9	2.70	20.6	3.15	22.4	3.56	23.1	3.65	24.0	3.74	24.6	3.78
	35	38.4	17.5	2.91	18.9	3.38	20.6	3.93	22.4	4.43	23.1	4.55	24.0	4.66	24.6	4.74
		48.0	17.5	2.85	18.9	3.33	20.6	3.87	22.4	4.36	23.1	4.47	24.0	4.58	24.6	4.66
		96.0	17.5	2.63	18.9	3.11	20.6	3.63	22.4	4.08	23.1	4.18	24.0	4.28	24.6	4.36
		120.0	17.5	2.55	18.9	3.04	20.6	3.55	22.4	4.00	23.1	4.10	24.0	4.21	24.6	4.24
		144.0	17.5	2.52	18.9	3.01	20.6	3.52	22.4	3.96	23.1	4.06	24.0	4.17	24.6	4.19
	40	38.4	17.5	3.45	18.9	4.01	20.6	4.67	22.4	5.26	23.1	5.38	24.0	5.52	24.6	5.61
		48.0	17.5	3.38	18.9	3.94	20.6	4.59	22.4	5.17	23.1	5.29	24.0	5.43	24.6	5.52
		96.0	17.5	3.11	18.9	3.68	20.6	4.29	22.4	4.84	23.1	4.94	24.0	5.07	24.6	5.16
		120.0	17.5	3.02	18.9	3.61	20.6	4.20	22.4	4.74	23.1	4.85	24.0	4.98	24.6	5.03
		144.0	17.5	2.97	18.9	3.57	20.6	4.15	22.4	4.69	23.1	4.81	24.0	4.94	24.6	4.96
	45	38.4	17.5	3.99	18.9	4.64	20.6	5.40	22.4	6.08	23.1	6.21	24.0	6.37	24.6	6.47
		48.0	17.5	3.91	18.9	4.56	20.6	5.31	22.4	5.98	23.1	6.11	24.0	6.27	24.6	6.37
		96.0	17.5	3.59	18.9	4.25	20.6	4.95	22.4	5.59	23.1	5.71	24.0	5.86	24.6	5.96
		120.0	17.5	3.48	18.9	4.17	20.6	4.84	22.4	5.47	23.1	5.61	24.0	5.75	24.6	5.81
		144.0	17.5	3.43	18.9	4.13	20.6	4.79	22.4	5.41	23.1	5.56	24.0	5.70	24.6	5.73
70	10	38.4	15.3	0.86	16.6	1.01	18.0	1.16	19.6	1.31	20.2	1.36	21.0	1.40	21.5	1.40
		48.0	15.3	0.85	16.6	0.99	18.0	1.14	19.6	1.29	20.2	1.34	21.0	1.37	21.5	1.38
		96.0	15.3	0.79	16.6	0.92	18.0	1.07	19.6	1.22	20.2	1.25	21.0	1.29	21.5	1.30
		120.0	15.3	0.77	16.6	0.90	18.0	1.06	19.6	1.19	20.2	1.21	21.0	1.25	21.5	1.27
		144.0	15.3	0.76	16.6	0.89	18.0	1.05	19.6	1.17	20.2	1.20	21.0	1.23	21.5	1.25
	15	38.4	15.3	1.18	16.6	1.37	18.0	1.59	19.6	1.79	20.2	1.84	21.0	1.88	21.5	1.91
		48.0	15.3	1.15	16.6	1.35	18.0	1.56	19.6	1.76	20.2	1.81	21.0	1.85	21.5	1.88
		96.0	15.3	1.06	16.6	1.25	18.0	1.46	19.6	1.65	20.2	1.69	21.0	1.74	21.5	1.76
		120.0	15.3	1.04	16.6	1.23	18.0	1.44	19.6	1.62	20.2	1.65	21.0	1.70	21.5	1.72
		144.0	15.3	1.02	16.6	1.21	18.0	1.42	19.6	1.60	20.2	1.64	21.0	1.68	21.5	1.69
	20	38.4	15.3	1.46	16.6	1.69	18.0	1.97	19.6	2.22	20.2	2.26	21.0	2.32	21.5	2.37
		48.0	15.3	1.43	16.6	1.66	18.0	1.94	19.6	2.18	20.2	2.23	21.0	2.28	21.5	2.33
		96.0	15.3	1.31	16.6	1.55	18.0	1.81	19.6	2.04	20.2	2.08	21.0	2.14	21.5	2.17
		120.0	15.3	1.27	16.6	1.52	18.0	1.77	19.6	2.00	20.2	2.05	21.0	2.10	21.5	2.12
		144.0	15.3	1.25	16.6	1.50	18.0	1.75	19.6	1.98	20.2	2.03	21.0	2.08	21.5	2.09
	25	38.4	15.3	1.77	16.6	2.06	18.0	2.39	19.6	2.70	20.2	2.76	21.0	2.82	21.5	2.88
		48.0	15.3	1.74	16.6	2.03	18.0	2.35	19.6	2.65	20.2	2.72	21.0	2.78	21.5	2.84
		96.0	15.3	1.60	16.6	1.89	18.0	2.21	19.6	2.48	20.2	2.55	21.0	2.61	21.5	2.65
		120.0	15.3	1.55	16.6	1.85	18.0	2.16	19.6	2.44	20.2	2.49	21.0	2.55	21.5	2.58
		144.0	15.3	1.53	16.6	1.84	18.0	2.14	19.6	2.41	20.2	2.46	21.0	2.53	21.5	2.54

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	38.4	15.3	2.18	16.6	2.53	18.0	2.95	19.6	3.32	20.2	3.40	21.0	3.48	21.5	3.55
		48.0	15.3	2.14	16.6	2.49	18.0	2.90	19.6	3.26	20.2	3.34	21.0	3.43	21.5	3.49
		96.0	15.3	1.96	16.6	2.33	18.0	2.71	19.6	3.05	20.2	3.13	21.0	3.21	21.5	3.26
		120.0	15.3	1.91	16.6	2.28	18.0	2.65	19.6	2.99	20.2	3.07	21.0	3.14	21.5	3.18
		144.0	15.3	1.88	16.6	2.26	18.0	2.63	19.6	2.96	20.2	3.04	21.0	3.11	21.5	3.14
	35	38.4	15.3	2.42	16.6	2.81	18.0	3.28	19.6	3.69	20.2	3.78	21.0	3.87	21.5	3.93
		48.0	15.3	2.37	16.6	2.76	18.0	3.23	19.6	3.63	20.2	3.72	21.0	3.81	21.5	3.87
		96.0	15.3	2.18	16.6	2.59	18.0	3.01	19.6	3.39	20.2	3.47	21.0	3.56	21.5	3.63
		120.0	15.3	2.12	16.6	2.53	18.0	2.95	19.6	3.33	20.2	3.41	21.0	3.50	21.5	3.54
		144.0	15.3	2.09	16.6	2.49	18.0	2.93	19.6	3.29	20.2	3.38	21.0	3.47	21.5	3.49
	40	38.4	15.3	2.87	16.6	3.32	18.0	3.88	19.6	4.37	20.2	4.47	21.0	4.58	21.5	4.66
		48.0	15.3	2.81	16.6	3.27	18.0	3.82	19.6	4.30	20.2	4.40	21.0	4.51	21.5	4.59
		96.0	15.3	2.58	16.6	3.06	18.0	3.57	19.6	4.02	20.2	4.12	21.0	4.22	21.5	4.30
		120.0	15.3	2.51	16.6	3.00	18.0	3.49	19.6	3.94	20.2	4.04	21.0	4.14	21.5	4.18
		144.0	15.3	2.47	16.6	2.97	18.0	3.45	19.6	3.89	20.2	3.99	21.0	4.11	21.5	4.12
	45	38.4	15.3	3.31	16.6	3.84	18.0	4.48	19.6	5.05	20.2	5.16	21.0	5.29	21.5	5.39
		48.0	15.3	3.24	16.6	3.78	18.0	4.41	19.6	4.97	20.2	5.08	21.0	5.21	21.5	5.31
		96.0	15.3	2.98	16.6	3.54	18.0	4.14	19.6	4.64	20.2	4.76	21.0	4.87	21.5	4.97
		120.0	15.3	2.90	16.6	3.47	18.0	4.03	19.6	4.54	20.2	4.66	21.0	4.79	21.5	4.83
		144.0	15.3	2.86	16.6	3.44	18.0	3.97	19.6	4.49	20.2	4.61	21.0	4.75	21.5	4.75
60	10	38.4	13.1	0.69	14.2	0.80	15.4	0.92	16.8	1.06	17.3	1.09	18.0	1.10	18.5	1.12
		48.0	13.1	0.67	14.2	0.79	15.4	0.91	16.8	1.04	17.3	1.07	18.0	1.08	18.5	1.10
		96.0	13.1	0.62	14.2	0.73	15.4	0.87	16.8	0.97	17.3	0.99	18.0	1.02	18.5	1.04
		120.0	13.1	0.59	14.2	0.73	15.4	0.85	16.8	0.95	17.3	0.97	18.0	1.00	18.5	1.01
		144.0	13.1	0.58	14.2	0.72	15.4	0.84	16.8	0.94	17.3	0.96	18.0	0.98	18.5	1.00
	15	38.4	13.1	0.94	14.2	1.09	15.4	1.26	16.8	1.43	17.3	1.47	18.0	1.50	18.5	1.52
		48.0	13.1	0.92	14.2	1.07	15.4	1.25	16.8	1.41	17.3	1.45	18.0	1.47	18.5	1.50
		96.0	13.1	0.85	14.2	1.00	15.4	1.17	16.8	1.32	17.3	1.35	18.0	1.38	18.5	1.41
		120.0	13.1	0.82	14.2	0.98	15.4	1.15	16.8	1.29	17.3	1.32	18.0	1.35	18.5	1.37
		144.0	13.1	0.80	14.2	0.97	15.4	1.13	16.8	1.28	17.3	1.30	18.0	1.34	18.5	1.35
	20	38.4	13.1	1.16	14.2	1.35	15.4	1.57	16.8	1.76	17.3	1.81	18.0	1.85	18.5	1.88
		48.0	13.1	1.14	14.2	1.33	15.4	1.55	16.8	1.74	17.3	1.78	18.0	1.82	18.5	1.85
		96.0	13.1	1.05	14.2	1.24	15.4	1.45	16.8	1.63	17.3	1.66	18.0	1.70	18.5	1.74
		120.0	13.1	1.02	14.2	1.21	15.4	1.41	16.8	1.59	17.3	1.63	18.0	1.67	18.5	1.69
		144.0	13.1	1.00	14.2	1.20	15.4	1.39	16.8	1.57	17.3	1.61	18.0	1.66	18.5	1.67
	25	38.4	13.1	1.41	14.2	1.65	15.4	1.91	16.8	2.15	17.3	2.20	18.0	2.25	18.5	2.30
		48.0	13.1	1.38	14.2	1.62	15.4	1.88	16.8	2.12	17.3	2.16	18.0	2.22	18.5	2.26
		96.0	13.1	1.27	14.2	1.51	15.4	1.75	16.8	1.98	17.3	2.03	18.0	2.08	18.5	2.12
		120.0	13.1	1.24	14.2	1.47	15.4	1.72	16.8	1.94	17.3	1.99	18.0	2.04	18.5	2.06
		144.0	13.1	1.22	14.2	1.45	15.4	1.70	16.8	1.91	17.3	1.97	18.0	2.01	18.5	2.04
	30	38.4	13.1	1.73	14.2	2.01	15.4	2.35	16.8	2.64	17.3	2.71	18.0	2.77	18.5	2.83
		48.0	13.1	1.70	14.2	1.98	15.4	2.31	16.8	2.60	17.3	2.66	18.0	2.73	18.5	2.78
		96.0	13.1	1.56	14.2	1.85	15.4	2.16	16.8	2.44	17.3	2.49	18.0	2.55	18.5	2.60
		120.0	13.1	1.52	14.2	1.82	15.4	2.12	16.8	2.39	17.3	2.45	18.0	2.51	18.5	2.54
		144.0	13.1	1.50	14.2	1.80	15.4	2.09	16.8	2.37	17.3	2.42	18.0	2.49	18.5	2.50
	35	38.4	13.1	1.93	14.2	2.25	15.4	2.62	16.8	2.94	17.3	3.01	18.0	3.09	18.5	3.14
		48.0	13.1	1.89	14.2	2.21	15.4	2.57	16.8	2.89	17.3	2.96	18.0	3.04	18.5	3.09
		96.0	13.1	1.74	14.2	2.06	15.4	2.40	16.8	2.71	17.3	2.77	18.0	2.84	18.5	2.89
		120.0	13.1	1.69	14.2	2.02	15.4	2.35	16.8	2.65	17.3	2.72	18.0	2.79	18.5	2.82
		144.0	13.1	1.67	14.2	1.99	15.4	2.33	16.8	2.63	17.3	2.69	18.0	2.77	18.5	2.78
	40	38.4	13.1	2.28	14.2	2.65	15.4	3.10	16.8	3.48	17.3	3.57	18.0	3.65	18.5	3.72
		48.0	13.1	2.24	14.2	2.61	15.4	3.04	16.8	3.43	17.3	3.51	18.0	3.59	18.5	3.66
		96.0	13.1	2.06	14.2	2.45	15.4	2.84	16.8	3.20	17.3	3.28	18.0	3.36	18.5	3.43
		120.0	13.1	2.00	14.2	2.39	15.4	2.79	16.8	3.14	17.3	3.22	18.0	3.30	18.5	3.34
		144.0	13.1	1.97	14.2	2.36	15.4	2.76	16.8	3.10	17.3	3.19	18.0	3.27	18.5	3.29
	45	38.4	13.1	2.63	14.2	3.05	15.4	3.57	16.8	4.03	17.3	4.12	18.0	4.21	18.5	4.30
		48.0	13.1	2.58	14.2	3.01	15.4	3.52	16.8	3.96	17.3	4.05	18.0	4.14	18.5	4.24
		96.0	13.1	2.39	14.2	2.83	15.4	3.29	16.8	3.69	17.3	3.79	18.0	3.89	18.5	3.96
		120.0	13.1	2.31	14.2	2.76	15.4	3.23	16.8	3.62	17.3	3.72	18.0	3.81	18.5	3.85
		144.0	13.1	2.27	14.2	2.73	15.4	3.19	16.8	3.58	17.3	3.68	18.0	3.77	18.5	3.80
50	10	38.4	10.9	0.51	11.8	0.59	12.9	0.71	14.0	0.78	14.4	0.79	15.0	0.83	15.4	0.83
		48.0	10.9	0.50	11.8	0.59	12.9	0.70	14.0	0.77	14.4	0.79	15.0	0.81	15.4	0.82
		96.0	10.9	0.45	11.8	0.55	12.9	0.65	14.0	0.73	14.4	0.75	15.0	0.75	15.4	0.77
		120.0	10.9	0.45	11.8	0.55	12.9	0.63	14.0	0.71	14.4	0.72	15.0	0.74	15.4	0.74
		144.0	10.9	0.44	11.8	0.55	12.9	0.62	14.0	0.70	14.4	0.70	15.0	0.74	15.4	0.73

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	38.4	10.9	0.70	11.8	0.81	12.9	0.95	14.0	1.06	14.4	1.09	15.0	1.12	15.4	1.14
		48.0	10.9	0.68	11.8	0.80	12.9	0.94	14.0	1.05	14.4	1.07	15.0	1.10	15.4	1.12
		96.0	10.9	0.63	11.8	0.75	12.9	0.87	14.0	0.98	14.4	1.01	15.0	1.03	15.4	1.05
		120.0	10.9	0.61	11.8	0.74	12.9	0.85	14.0	0.96	14.4	0.98	15.0	1.01	15.4	1.02
		144.0	10.9	0.60	11.8	0.73	12.9	0.85	14.0	0.95	14.4	0.97	15.0	1.00	15.4	1.00
	20	38.4	10.9	0.86	11.8	1.01	12.9	1.16	14.0	1.31	14.4	1.35	15.0	1.37	15.4	1.40
		48.0	10.9	0.85	11.8	0.99	12.9	1.15	14.0	1.29	14.4	1.33	15.0	1.35	15.4	1.38
		96.0	10.9	0.78	11.8	0.92	12.9	1.07	14.0	1.21	14.4	1.24	15.0	1.27	15.4	1.29
		120.0	10.9	0.75	11.8	0.90	12.9	1.05	14.0	1.19	14.4	1.22	15.0	1.25	15.4	1.26
		144.0	10.9	0.74	11.8	0.89	12.9	1.05	14.0	1.18	14.4	1.21	15.0	1.23	15.4	1.25
	25	38.4	10.9	1.05	11.8	1.22	12.9	1.42	14.0	1.61	14.4	1.65	15.0	1.68	15.4	1.71
		48.0	10.9	1.03	11.8	1.20	12.9	1.40	14.0	1.58	14.4	1.62	15.0	1.65	15.4	1.68
		96.0	10.9	0.95	11.8	1.13	12.9	1.31	14.0	1.47	14.4	1.51	15.0	1.55	15.4	1.58
		120.0	10.9	0.92	11.8	1.10	12.9	1.28	14.0	1.45	14.4	1.48	15.0	1.52	15.4	1.54
		144.0	10.9	0.90	11.8	1.09	12.9	1.27	14.0	1.43	14.4	1.47	15.0	1.50	15.4	1.51
	30	38.4	10.9	1.30	11.8	1.51	12.9	1.76	14.0	1.98	14.4	2.02	15.0	2.07	15.4	2.11
		48.0	10.9	1.27	11.8	1.48	12.9	1.73	14.0	1.95	14.4	1.99	15.0	2.04	15.4	2.07
		96.0	10.9	1.16	11.8	1.38	12.9	1.61	14.0	1.82	14.4	1.85	15.0	1.91	15.4	1.94
		120.0	10.9	1.14	11.8	1.35	12.9	1.58	14.0	1.78	14.4	1.83	15.0	1.87	15.4	1.89
		144.0	10.9	1.12	11.8	1.34	12.9	1.57	14.0	1.76	14.4	1.81	15.0	1.85	15.4	1.87
	35	38.4	10.9	1.44	11.8	1.67	12.9	1.95	14.0	2.19	14.4	2.25	15.0	2.30	15.4	2.34
		48.0	10.9	1.41	11.8	1.65	12.9	1.92	14.0	2.15	14.4	2.21	15.0	2.26	15.4	2.30
		96.0	10.9	1.30	11.8	1.54	12.9	1.79	14.0	2.02	14.4	2.06	15.0	2.12	15.4	2.15
		120.0	10.9	1.26	11.8	1.51	12.9	1.75	14.0	1.98	14.4	2.03	15.0	2.08	15.4	2.10
		144.0	10.9	1.25	11.8	1.50	12.9	1.74	14.0	1.96	14.4	2.01	15.0	2.06	15.4	2.07
	40	38.4	10.9	1.71	11.8	1.98	12.9	2.31	14.0	2.60	14.4	2.66	15.0	2.72	15.4	2.77
		48.0	10.9	1.67	11.8	1.95	12.9	2.27	14.0	2.55	14.4	2.62	15.0	2.68	15.4	2.73
		96.0	10.9	1.54	11.8	1.82	12.9	2.12	14.0	2.39	14.4	2.45	15.0	2.51	15.4	2.55
		120.0	10.9	1.49	11.8	1.78	12.9	2.08	14.0	2.35	14.4	2.40	15.0	2.46	15.4	2.48
		144.0	10.9	1.47	11.8	1.76	12.9	2.06	14.0	2.32	14.4	2.38	15.0	2.44	15.4	2.44
	45	38.4	10.9	1.98	11.8	2.28	12.9	2.67	14.0	3.00	14.4	3.08	15.0	3.15	15.4	3.20
		48.0	10.9	1.94	11.8	2.25	12.9	2.63	14.0	2.95	14.4	3.03	15.0	3.10	15.4	3.15
		96.0	10.9	1.77	11.8	2.10	12.9	2.45	14.0	2.76	14.4	2.83	15.0	2.90	15.4	2.95
		120.0	10.9	1.72	11.8	2.05	12.9	2.41	14.0	2.71	14.4	2.77	15.0	2.84	15.4	2.86
		144.0	10.9	1.69	11.8	2.03	12.9	2.39	14.0	2.68	14.4	2.74	15.0	2.82	15.4	2.82

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(12HP)

ARWN120LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	46.4	31.2	2.18	33.8	2.53	36.8	2.96	40.0	3.32	41.2	3.40	42.8	3.49	44.0	3.55
		58.0	31.2	2.14	33.8	2.49	36.8	2.91	40.0	3.27	41.2	3.35	42.8	3.43	44.0	3.50
		116.0	31.2	1.97	33.8	2.33	36.8	2.72	40.0	3.06	41.2	3.14	42.8	3.22	44.0	3.28
		145.0	31.2	1.91	33.8	2.28	36.8	2.66	40.0	2.99	41.2	3.07	42.8	3.15	44.0	3.21
		174.0	31.2	1.88	33.8	2.25	36.8	2.63	40.0	2.96	41.2	3.04	42.8	3.11	44.0	3.17
	15	46.4	30.7	2.86	33.3	3.33	36.2	3.88	39.4	4.36	40.6	4.47	42.1	4.58	43.3	4.66
		58.0	30.7	2.80	33.3	3.27	36.2	3.82	39.4	4.29	40.6	4.40	42.1	4.51	43.3	4.59
		116.0	30.7	2.58	33.3	3.06	36.2	3.57	39.4	4.02	40.6	4.12	42.1	4.23	43.3	4.31
		145.0	30.7	2.51	33.3	3.00	36.2	3.49	39.4	3.93	40.6	4.04	42.1	4.14	43.3	4.21
		174.0	30.7	2.47	33.3	2.96	36.2	3.46	39.4	3.89	40.6	4.00	42.1	4.10	43.3	4.17
	20	46.4	30.3	3.47	32.8	4.04	35.7	4.70	38.8	5.29	40.0	5.41	41.5	5.55	42.7	5.64
		58.0	30.3	3.40	32.8	3.97	35.7	4.62	38.8	5.20	40.0	5.33	41.5	5.46	42.7	5.56
		116.0	30.3	3.13	32.8	3.71	35.7	4.32	38.8	4.87	40.0	4.99	41.5	5.12	42.7	5.23
		145.0	30.3	3.05	32.8	3.63	35.7	4.24	38.8	4.77	40.0	4.90	41.5	5.02	42.7	5.11
		174.0	30.3	3.01	32.8	3.60	35.7	4.19	38.8	4.72	40.0	4.85	41.5	4.97	42.7	5.05
	25	46.4	30.3	4.28	32.8	4.98	35.7	5.80	38.8	6.53	40.0	6.68	41.5	6.85	42.7	6.96
		58.0	30.3	4.20	32.8	4.90	35.7	5.70	38.8	6.42	40.0	6.57	41.5	6.74	42.7	6.86
		116.0	30.3	3.86	32.8	4.57	35.7	5.33	38.8	6.00	40.0	6.15	41.5	6.31	42.7	6.45
		145.0	30.3	3.75	32.8	4.48	35.7	5.22	38.8	5.89	40.0	6.04	41.5	6.20	42.7	6.30
		174.0	30.3	3.70	32.8	4.43	35.7	5.16	38.8	5.83	40.0	5.99	41.5	6.14	42.7	6.23
	30	46.4	30.3	5.14	32.8	5.97	35.7	6.95	38.8	7.84	40.0	8.02	41.5	8.21	42.7	8.36
		58.0	30.3	5.04	32.8	5.87	35.7	6.84	38.8	7.71	40.0	7.89	41.5	8.08	42.7	8.23
		116.0	30.3	4.63	32.8	5.49	35.7	6.39	38.8	7.20	40.0	7.38	41.5	7.58	42.7	7.73
		145.0	30.3	4.50	32.8	5.37	35.7	6.27	38.8	7.06	40.0	7.25	41.5	7.43	42.7	7.55
		174.0	30.3	4.43	32.8	5.32	35.7	6.21	38.8	6.99	40.0	7.18	41.5	7.36	42.7	7.47
	35	46.4	27.3	5.20	29.5	6.04	32.1	7.04	34.9	7.92	36.0	8.11	37.4	8.30	38.4	8.44
		58.0	27.3	5.09	29.5	5.94	32.1	6.92	34.9	7.79	36.0	7.98	37.4	8.17	38.4	8.32
		116.0	27.3	4.68	29.5	5.56	32.1	6.47	34.9	7.28	36.0	7.47	37.4	7.66	38.4	7.82
		145.0	27.3	4.55	29.5	5.43	32.1	6.34	34.9	7.14	36.0	7.33	37.4	7.52	38.4	7.64
		174.0	27.3	4.49	29.5	5.37	32.1	6.27	34.9	7.07	36.0	7.26	37.4	7.44	38.4	7.55
	40	46.4	24.2	5.48	26.2	6.36	28.6	7.42	31.1	8.36	32.0	8.55	33.2	8.75	34.2	8.92
		58.0	24.2	5.37	26.2	6.26	28.6	7.30	31.1	8.22	32.0	8.41	33.2	8.62	34.2	8.78
		116.0	24.2	4.94	26.2	5.86	28.6	6.83	31.1	7.69	32.0	7.88	33.2	8.08	34.2	8.24
		145.0	24.2	4.80	26.2	5.73	28.6	6.68	31.1	7.53	32.0	7.73	33.2	7.93	34.2	8.06
		174.0	24.2	4.73	26.2	5.67	28.6	6.61	31.1	7.46	32.0	7.66	33.2	7.85	34.2	7.97
	45	46.4	21.2	5.77	22.9	6.69	25.0	7.79	27.2	8.80	28.0	8.99	29.1	9.21	29.9	9.39
		58.0	21.2	5.65	22.9	6.58	25.0	7.67	27.2	8.65	28.0	8.85	29.1	9.07	29.9	9.24
		116.0	21.2	5.20	22.9	6.16	25.0	7.19	27.2	8.09	28.0	8.29	29.1	8.50	29.9	8.67
		145.0	21.2	5.05	22.9	6.03	25.0	7.03	27.2	7.92	28.0	8.13	29.1	8.34	29.9	8.48
		174.0	21.2	4.98	22.9	5.97	25.0	6.94	27.2	7.84	28.0	8.06	29.1	8.26	29.9	8.38
120	10	46.4	29.6	2.07	32.0	2.41	34.9	2.79	37.9	3.16	39.0	3.23	40.6	3.30	41.7	3.37
		58.0	29.6	2.03	32.0	2.37	34.9	2.75	37.9	3.10	39.0	3.17	40.6	3.25	41.7	3.32
		116.0	29.6	1.86	32.0	2.21	34.9	2.58	37.9	2.89	39.0	2.97	40.6	3.05	41.7	3.11
		145.0	29.6	1.81	32.0	2.15	34.9	2.51	37.9	2.84	39.0	2.91	40.6	3.00	41.7	3.04
		174.0	29.6	1.78	32.0	2.12	34.9	2.48	37.9	2.82	39.0	2.88	40.6	2.97	41.7	3.00
	15	46.4	29.2	2.74	31.6	3.19	34.5	3.71	37.5	4.18	38.6	4.27	40.1	4.38	41.2	4.46
		58.0	29.2	2.69	31.6	3.13	34.5	3.65	37.5	4.11	38.6	4.21	40.1	4.31	41.2	4.39
		116.0	29.2	2.47	31.6	2.93	34.5	3.41	37.5	3.84	38.6	3.93	40.1	4.04	41.2	4.12
		145.0	29.2	2.40	31.6	2.86	34.5	3.34	37.5	3.77	38.6	3.86	40.1	3.96	41.2	4.02
		174.0	29.2	2.37	31.6	2.83	34.5	3.30	37.5	3.73	38.6	3.82	40.1	3.93	41.2	3.98
	20	46.4	28.9	3.34	31.3	3.88	34.1	4.52	37.1	5.09	38.2	5.21	39.7	5.33	40.8	5.43
		58.0	28.9	3.27	31.3	3.82	34.1	4.45	37.1	5.01	38.2	5.12	39.7	5.25	40.8	5.34
		116.0	28.9	3.01	31.3	3.57	34.1	4.15	37.1	4.68	38.2	4.79	39.7	4.92	40.8	5.01
		145.0	28.9	2.93	31.3	3.49	34.1	4.07	37.1	4.59	38.2	4.71	39.7	4.82	40.8	4.90
		174.0	28.9	2.89	31.3	3.46	34.1	4.03	37.1	4.54	38.2	4.66	39.7	4.78	40.8	4.84
	25	46.4	28.9	4.10	31.3	4.77	34.1	5.55	37.1	6.25	38.2	6.40	39.7	6.55	40.8	6.67
		58.0	28.9	4.02	31.3	4.69	34.1	5.46	37.1	6.15	38.2	6.30	39.7	6.45	40.8	6.57
		116.0	28.9	3.70	31.3	4.38	34.1	5.11	37.1	5.76	38.2	5.89	39.7	6.05	40.8	6.17
		145.0	28.9	3.60	31.3	4.29	34.1	5.01	37.1	5.64	38.2	5.78	39.7	5.93	40.8	6.02
		174.0	28.9	3.55	31.3	4.25	34.1	4.96	37.1	5.58	38.2	5.73	39.7	5.87	40.8	5.95
	30	46.4	28.9	4.96	31.3	5.77	34.1	6.72	37.1	7.56	38.2	7.74	39.7	7.93	40.8	8.07
		58.0	28.9	4.86	31.3	5.67	34.1	6.61	37.1	7.44	38.2	7.62	39.7	7.80	40.8	7.94
		116.0	28.9	4.47	31.3	5.30	34.1	6.17	37.1	6.96	38.2	7.13	39.7	7.31	40.8	7.46
		145.0	28.9	4.35	31.3	5.19	34.1	6.05	37.1	6.82	38.2	7.00	39.7	7.17	40.8	7.28
		174.0	28.9	4.28	31.3	5.14	34.1	5.99	37.1	6.75	38.2	6.93	39.7	7.10	40.8	7.19

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	46.4	26.5	5.09	28.7	5.91	31.2	6.88	33.9	7.75	35.0	7.94	36.3	8.13	37.3	8.27
		58.0	26.5	4.98	28.7	5.81	31.2	6.77	33.9	7.63	35.0	7.81	36.3	8.00	37.3	8.14
		116.0	26.5	4.58	28.7	5.43	31.2	6.33	33.9	7.13	35.0	7.30	36.3	7.50	37.3	7.64
		145.0	26.5	4.46	28.7	5.32	31.2	6.20	33.9	6.99	35.0	7.17	36.3	7.35	37.3	7.46
		174.0	26.5	4.39	28.7	5.27	31.2	6.14	33.9	6.92	35.0	7.11	36.3	7.28	37.3	7.37
	40	46.4	24.0	5.48	26.0	6.36	28.3	7.41	30.8	8.34	31.7	8.54	32.9	8.75	33.9	8.90
		58.0	24.0	5.37	26.0	6.25	28.3	7.29	30.8	8.21	31.7	8.41	32.9	8.61	33.9	8.77
		116.0	24.0	4.93	26.0	5.85	28.3	6.81	30.8	7.67	31.7	7.86	32.9	8.07	33.9	8.22
		145.0	24.0	4.79	26.0	5.73	28.3	6.67	30.8	7.52	31.7	7.72	32.9	7.91	33.9	8.03
		174.0	24.0	4.72	26.0	5.66	28.3	6.60	30.8	7.45	31.7	7.64	32.9	7.84	33.9	7.94
	45	46.4	21.6	5.86	23.3	6.80	25.4	7.94	27.6	8.93	28.5	9.15	29.6	9.37	30.4	9.54
		58.0	21.6	5.75	23.3	6.69	25.4	7.81	27.6	8.79	28.5	9.00	29.6	9.22	30.4	9.39
		116.0	21.6	5.29	23.3	6.27	25.4	7.30	27.6	8.21	28.5	8.42	29.6	8.64	30.4	8.80
		145.0	21.6	5.13	23.3	6.13	25.4	7.14	27.6	8.06	28.5	8.26	29.6	8.48	30.4	8.60
		174.0	21.6	5.05	23.3	6.06	25.4	7.07	27.6	7.98	28.5	8.18	29.6	8.40	30.4	8.50
110	10	46.4	27.9	1.95	30.2	2.26	32.9	2.64	35.7	2.97	36.8	3.05	38.2	3.11	39.3	3.18
		58.0	27.9	1.91	30.2	2.23	32.9	2.60	35.7	2.92	36.8	3.00	38.2	3.06	39.3	3.13
		116.0	27.9	1.75	30.2	2.09	32.9	2.43	35.7	2.73	36.8	2.81	38.2	2.88	39.3	2.94
		145.0	27.9	1.70	30.2	2.04	32.9	2.38	35.7	2.69	36.8	2.75	38.2	2.82	39.3	2.85
		174.0	27.9	1.68	30.2	2.02	32.9	2.35	35.7	2.67	36.8	2.72	38.2	2.79	39.3	2.81
	15	46.4	27.7	2.61	30.0	3.04	32.7	3.54	35.5	3.98	36.6	4.08	38.0	4.18	39.1	4.26
		58.0	27.7	2.56	30.0	2.99	32.7	3.48	35.5	3.92	36.6	4.02	38.0	4.11	39.1	4.19
		116.0	27.7	2.36	30.0	2.80	32.7	3.26	35.5	3.66	36.6	3.76	38.0	3.85	39.1	3.93
		145.0	27.7	2.29	30.0	2.74	32.7	3.19	35.5	3.60	36.6	3.69	38.0	3.78	39.1	3.82
		174.0	27.7	2.26	30.0	2.71	32.7	3.15	35.5	3.56	36.6	3.65	38.0	3.74	39.1	3.77
	20	46.4	27.6	3.20	29.8	3.72	32.5	4.33	35.4	4.89	36.4	5.00	37.8	5.12	38.9	5.21
		58.0	27.6	3.14	29.8	3.66	32.5	4.27	35.4	4.81	36.4	4.92	37.8	5.04	38.9	5.13
		116.0	27.6	2.89	29.8	3.43	32.5	3.99	35.4	4.49	36.4	4.60	37.8	4.72	38.9	4.81
		145.0	27.6	2.81	29.8	3.35	32.5	3.91	35.4	4.40	36.4	4.51	37.8	4.63	38.9	4.69
		174.0	27.6	2.77	29.8	3.32	32.5	3.86	35.4	4.36	36.4	4.47	37.8	4.59	38.9	4.63
	25	46.4	27.6	3.92	29.8	4.56	32.5	5.31	35.4	5.98	36.4	6.13	37.8	6.27	38.9	6.38
		58.0	27.6	3.85	29.8	4.49	32.5	5.23	35.4	5.89	36.4	6.03	37.8	6.17	38.9	6.28
		116.0	27.6	3.54	29.8	4.19	32.5	4.89	35.4	5.51	36.4	5.64	37.8	5.78	38.9	5.89
		145.0	27.6	3.44	29.8	4.10	32.5	4.79	35.4	5.40	36.4	5.53	37.8	5.67	38.9	5.74
		174.0	27.6	3.40	29.8	4.06	32.5	4.74	35.4	5.34	36.4	5.47	37.8	5.62	38.9	5.67
	30	46.4	27.6	4.79	29.8	5.56	32.5	6.48	35.4	7.29	36.4	7.47	37.8	7.64	38.9	7.79
		58.0	27.6	4.69	29.8	5.47	32.5	6.37	35.4	7.17	36.4	7.35	37.8	7.52	38.9	7.66
		116.0	27.6	4.31	29.8	5.12	32.5	5.95	35.4	6.71	36.4	6.87	37.8	7.05	38.9	7.18
		145.0	27.6	4.19	29.8	5.01	32.5	5.84	35.4	6.58	36.4	6.74	37.8	6.92	38.9	7.00
		174.0	27.6	4.13	29.8	4.95	32.5	5.78	35.4	6.51	36.4	6.67	37.8	6.85	38.9	6.92
	35	46.4	25.7	4.97	27.8	5.78	30.3	6.73	32.9	7.58	33.9	7.76	35.2	7.95	36.2	8.09
		58.0	25.7	4.87	27.8	5.69	30.3	6.62	32.9	7.46	33.9	7.63	35.2	7.83	36.2	7.96
		116.0	25.7	4.49	27.8	5.31	30.3	6.20	32.9	6.97	33.9	7.14	35.2	7.33	36.2	7.47
		145.0	25.7	4.36	27.8	5.20	30.3	6.06	32.9	6.83	33.9	7.01	35.2	7.19	36.2	7.28
		174.0	25.7	4.30	27.8	5.15	30.3	6.00	32.9	6.76	33.9	6.94	35.2	7.12	36.2	7.19
	40	46.4	23.8	5.47	25.8	6.35	28.1	7.39	30.5	8.33	31.4	8.53	32.6	8.73	33.6	8.89
		58.0	23.8	5.36	25.8	6.25	28.1	7.27	30.5	8.19	31.4	8.39	32.6	8.60	33.6	8.75
		116.0	23.8	4.93	25.8	5.84	28.1	6.81	30.5	7.66	31.4	7.85	32.6	8.05	33.6	8.20
		145.0	23.8	4.79	25.8	5.72	28.1	6.67	30.5	7.51	31.4	7.70	32.6	7.90	33.6	7.99
		174.0	23.8	4.72	25.8	5.66	28.1	6.60	30.5	7.43	31.4	7.63	32.6	7.82	33.6	7.89
	45	46.4	21.9	5.96	23.8	6.91	25.9	8.06	28.1	9.07	29.0	9.30	30.1	9.52	30.9	9.69
		58.0	21.9	5.84	23.8	6.81	25.9	7.93	28.1	8.93	29.0	9.15	30.1	9.37	30.9	9.54
		116.0	21.9	5.37	23.8	6.37	25.9	7.41	28.1	8.35	29.0	8.55	30.1	8.78	30.9	8.93
		145.0	21.9	5.21	23.8	6.23	25.9	7.27	28.1	8.19	29.0	8.39	30.1	8.61	30.9	8.71
		174.0	21.9	5.14	23.8	6.16	25.9	7.19	28.1	8.10	29.0	8.31	30.1	8.53	30.9	8.59
100	10	46.4	26.2	1.85	28.4	2.14	30.9	2.49	33.6	2.81	34.6	2.87	36.0	2.95	37.0	2.99
		58.0	26.2	1.81	28.4	2.11	30.9	2.45	33.6	2.76	34.6	2.83	36.0	2.90	37.0	2.94
		116.0	26.2	1.66	28.4	1.97	30.9	2.28	33.6	2.58	34.6	2.63	36.0	2.70	37.0	2.75
		145.0	26.2	1.60	28.4	1.92	30.9	2.25	33.6	2.52	34.6	2.59	36.0	2.65	37.0	2.68
		174.0	26.2	1.57	28.4	1.90	30.9	2.23	33.6	2.49	34.6	2.57	36.0	2.62	37.0	2.64
	15	46.4	26.2	2.49	28.4	2.89	30.9	3.37	33.6	3.80	34.6	3.89	36.0	3.98	37.0	4.05
		58.0	26.2	2.44	28.4	2.85	30.9	3.32	33.6	3.74	34.6	3.82	36.0	3.92	37.0	3.99
		116.0	26.2	2.25	28.4	2.66	30.9	3.10	33.6	3.49	34.6	3.58	36.0	3.66	37.0	3.73
		145.0	26.2	2.18	28.4	2.61	30.9	3.04	33.6	3.42	34.6	3.51	36.0	3.60	37.0	3.63
		174.0	26.2	2.15	28.4	2.58	30.9	3.01	33.6	3.38	34.6	3.48	36.0	3.56	37.0	3.59

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	46.4	26.2	3.07	28.4	3.57	30.9	4.16	33.6	4.68	34.6	4.79	36.0	4.91	37.0	5.00
		58.0	26.2	3.01	28.4	3.51	30.9	4.09	33.6	4.60	34.6	4.71	36.0	4.83	37.0	4.92
		116.0	26.2	2.77	28.4	3.28	30.9	3.82	33.6	4.31	34.6	4.41	36.0	4.52	37.0	4.60
		145.0	26.2	2.69	28.4	3.22	30.9	3.74	33.6	4.22	34.6	4.32	36.0	4.44	37.0	4.49
		174.0	26.2	2.66	28.4	3.18	30.9	3.70	33.6	4.18	34.6	4.28	36.0	4.40	37.0	4.43
	25	46.4	26.2	3.74	28.4	4.35	30.9	5.08	33.6	5.71	34.6	5.84	36.0	5.99	37.0	6.09
		58.0	26.2	3.67	28.4	4.28	30.9	4.99	33.6	5.62	34.6	5.75	36.0	5.89	37.0	6.00
		116.0	26.2	3.38	28.4	4.00	30.9	4.66	33.6	5.25	34.6	5.38	36.0	5.51	37.0	5.62
		145.0	26.2	3.28	28.4	3.92	30.9	4.57	33.6	5.15	34.6	5.28	36.0	5.41	37.0	5.47
		174.0	26.2	3.23	28.4	3.88	30.9	4.52	33.6	5.09	34.6	5.23	36.0	5.36	37.0	5.40
	30	46.4	26.2	4.61	28.4	5.36	30.9	6.24	33.6	7.02	34.6	7.19	36.0	7.36	37.0	7.50
		58.0	26.2	4.51	28.4	5.27	30.9	6.14	33.6	6.91	34.6	7.08	36.0	7.25	37.0	7.38
		116.0	26.2	4.15	28.4	4.93	30.9	5.73	33.6	6.46	34.6	6.61	36.0	6.78	37.0	6.91
		145.0	26.2	4.04	28.4	4.82	30.9	5.62	33.6	6.34	34.6	6.49	36.0	6.66	37.0	6.72
		174.0	26.2	3.98	28.4	4.77	30.9	5.56	33.6	6.27	34.6	6.43	36.0	6.60	37.0	6.63
	35	46.4	24.9	4.86	27.0	5.65	29.4	6.58	31.9	7.41	32.9	7.59	34.2	7.77	35.1	7.91
		58.0	24.9	4.76	27.0	5.56	29.4	6.47	31.9	7.29	32.9	7.47	34.2	7.65	35.1	7.79
		116.0	24.9	4.38	27.0	5.20	29.4	6.06	31.9	6.82	32.9	6.98	34.2	7.16	35.1	7.29
		145.0	24.9	4.27	27.0	5.09	29.4	5.93	31.9	6.69	32.9	6.85	34.2	7.03	35.1	7.10
		174.0	24.9	4.21	27.0	5.03	29.4	5.87	31.9	6.62	32.9	6.78	34.2	6.96	35.1	7.00
	40	46.4	23.6	5.45	25.6	6.34	27.8	7.39	30.2	8.32	31.2	8.51	32.4	8.72	33.3	8.88
		58.0	23.6	5.34	25.6	6.24	27.8	7.27	30.2	8.19	31.2	8.38	32.4	8.58	33.3	8.74
		116.0	23.6	4.92	25.6	5.83	27.8	6.79	30.2	7.65	31.2	7.83	32.4	8.03	33.3	8.18
		145.0	23.6	4.78	25.6	5.70	27.8	6.65	30.2	7.50	31.2	7.69	32.4	7.88	33.3	7.96
		174.0	23.6	4.71	25.6	5.64	27.8	6.58	30.2	7.43	31.2	7.61	32.4	7.81	33.3	7.86
	45	46.4	22.3	6.04	24.1	7.04	26.3	8.20	28.6	9.23	29.4	9.44	30.6	9.67	31.4	9.84
		58.0	22.3	5.92	24.1	6.92	26.3	8.06	28.6	9.08	29.4	9.29	30.6	9.51	31.4	9.68
		116.0	22.3	5.45	24.1	6.46	26.3	7.52	28.6	8.48	29.4	8.68	30.6	8.90	31.4	9.07
		145.0	22.3	5.29	24.1	6.32	26.3	7.37	28.6	8.32	29.4	8.52	30.6	8.74	31.4	8.83
		174.0	22.3	5.21	24.1	6.25	26.3	7.29	28.6	8.24	29.4	8.44	30.6	8.66	31.4	8.71
90	10	46.4	23.6	1.58	25.6	1.84	27.8	2.14	30.2	2.41	31.2	2.46	32.4	2.51	33.3	2.58
		58.0	23.6	1.55	25.6	1.81	27.8	2.10	30.2	2.37	31.2	2.42	32.4	2.48	33.3	2.54
		116.0	23.6	1.42	25.6	1.69	27.8	1.98	30.2	2.21	31.2	2.27	32.4	2.33	33.3	2.37
		145.0	23.6	1.38	25.6	1.64	27.8	1.93	30.2	2.17	31.2	2.22	32.4	2.29	33.3	2.30
		174.0	23.6	1.37	25.6	1.62	27.8	1.90	30.2	2.15	31.2	2.20	32.4	2.27	33.3	2.27
	15	46.4	23.6	2.14	25.6	2.49	27.8	2.90	30.2	3.27	31.2	3.34	32.4	3.42	33.3	3.49
		58.0	23.6	2.10	25.6	2.45	27.8	2.86	30.2	3.22	31.2	3.29	32.4	3.37	33.3	3.44
		116.0	23.6	1.93	25.6	2.29	27.8	2.67	30.2	3.00	31.2	3.08	32.4	3.16	33.3	3.22
		145.0	23.6	1.88	25.6	2.24	27.8	2.61	30.2	2.94	31.2	3.02	32.4	3.10	33.3	3.13
		174.0	23.6	1.85	25.6	2.21	27.8	2.58	30.2	2.91	31.2	2.99	32.4	3.07	33.3	3.08
	20	46.4	23.6	2.64	25.6	3.07	27.8	3.58	30.2	4.03	31.2	4.13	32.4	4.23	33.3	4.30
		58.0	23.6	2.59	25.6	3.02	27.8	3.52	30.2	3.96	31.2	4.06	32.4	4.16	33.3	4.24
		116.0	23.6	2.39	25.6	2.83	27.8	3.29	30.2	3.71	31.2	3.80	32.4	3.89	33.3	3.96
		145.0	23.6	2.32	25.6	2.77	27.8	3.22	30.2	3.63	31.2	3.72	32.4	3.82	33.3	3.86
		174.0	23.6	2.29	25.6	2.74	27.8	3.19	30.2	3.60	31.2	3.69	32.4	3.78	33.3	3.81
	25	46.4	23.6	3.22	25.6	3.75	27.8	4.36	30.2	4.92	31.2	5.03	32.4	5.15	33.3	5.24
		58.0	23.6	3.16	25.6	3.69	27.8	4.29	30.2	4.84	31.2	4.95	32.4	5.07	33.3	5.16
		116.0	23.6	2.91	25.6	3.44	27.8	4.02	30.2	4.52	31.2	4.63	32.4	4.75	33.3	4.83
		145.0	23.6	2.83	25.6	3.37	27.8	3.93	30.2	4.43	31.2	4.54	32.4	4.66	33.3	4.71
		174.0	23.6	2.79	25.6	3.33	27.8	3.89	30.2	4.39	31.2	4.50	32.4	4.62	33.3	4.64
	30	46.4	23.6	3.96	25.6	4.61	27.8	5.36	30.2	6.04	31.2	6.18	32.4	6.34	33.3	6.45
		58.0	23.6	3.88	25.6	4.54	27.8	5.28	30.2	5.95	31.2	6.09	32.4	6.24	33.3	6.35
		116.0	23.6	3.58	25.6	4.24	27.8	4.94	30.2	5.56	31.2	5.70	32.4	5.84	33.3	5.95
		145.0	23.6	3.48	25.6	4.15	27.8	4.84	30.2	5.45	31.2	5.59	32.4	5.73	33.3	5.78
		174.0	23.6	3.43	25.6	4.10	27.8	4.79	30.2	5.40	31.2	5.53	32.4	5.68	33.3	5.70
	35	46.4	22.9	4.28	24.8	4.97	27.0	5.79	29.4	6.52	30.3	6.68	31.5	6.84	32.3	6.96
		58.0	22.9	4.19	24.8	4.89	27.0	5.70	29.4	6.42	30.3	6.57	31.5	6.73	32.3	6.85
		116.0	22.9	3.85	24.8	4.57	27.0	5.33	29.4	6.00	30.3	6.14	31.5	6.30	32.3	6.42
		145.0	22.9	3.75	24.8	4.48	27.0	5.22	29.4	5.88	30.3	6.03	31.5	6.18	32.3	6.25
		174.0	22.9	3.70	24.8	4.43	27.0	5.16	29.4	5.82	30.3	5.97	31.5	6.12	32.3	6.16
	40	46.4	22.3	4.91	24.1	5.71	26.3	6.66	28.6	7.49	29.4	7.67	30.6	7.85	31.4	8.00
		58.0	22.3	4.82	24.1	5.62	26.3	6.55	28.6	7.37	29.4	7.55	30.6	7.73	31.4	7.87
		116.0	22.3	4.43	24.1	5.26	26.3	6.12	28.6	6.89	29.4	7.05	30.6	7.24	31.4	7.37
		145.0	22.3	4.31	24.1	5.14	26.3	6.00	28.6	6.75	29.4	6.92	30.6	7.10	31.4	7.17
		174.0	22.3	4.25	24.1	5.08	26.3	5.94	28.6	6.68	29.4	6.86	30.6	7.03	31.4	7.07

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	46.4	21.6	5.55	23.4	6.44	25.5	7.52	27.7	8.46	28.6	8.66	29.7	8.87	30.5	9.03
		58.0	21.6	5.44	23.4	6.34	25.5	7.40	27.7	8.32	28.6	8.52	29.7	8.73	30.5	8.89
		116.0	21.6	5.01	23.4	5.94	25.5	6.92	27.7	7.79	28.6	7.96	29.7	8.18	30.5	8.32
		145.0	21.6	4.87	23.4	5.80	25.5	6.78	27.7	7.63	28.6	7.82	29.7	8.02	30.5	8.10
		174.0	21.6	4.79	23.4	5.73	25.5	6.71	27.7	7.55	28.6	7.75	29.7	7.94	30.5	7.98
80	10	46.4	21.0	1.32	22.7	1.54	24.7	1.79	26.9	2.02	27.7	2.07	28.8	2.12	29.6	2.15
		58.0	21.0	1.30	22.7	1.52	24.7	1.77	26.9	1.98	27.7	2.03	28.8	2.08	29.6	2.12
		116.0	21.0	1.20	22.7	1.42	24.7	1.65	26.9	1.86	27.7	1.90	28.8	1.94	29.6	1.98
		145.0	21.0	1.17	22.7	1.38	24.7	1.63	26.9	1.83	27.7	1.87	28.8	1.92	29.6	1.93
		174.0	21.0	1.15	22.7	1.37	24.7	1.61	26.9	1.82	27.7	1.86	28.8	1.91	29.6	1.90
	15	46.4	21.0	1.80	22.7	2.09	24.7	2.43	26.9	2.74	27.7	2.81	28.8	2.87	29.6	2.92
		58.0	21.0	1.76	22.7	2.06	24.7	2.39	26.9	2.69	27.7	2.76	28.8	2.83	29.6	2.88
		116.0	21.0	1.62	22.7	1.92	24.7	2.24	26.9	2.52	27.7	2.58	28.8	2.64	29.6	2.69
		145.0	21.0	1.58	22.7	1.88	24.7	2.19	26.9	2.47	27.7	2.53	28.8	2.60	29.6	2.62
		174.0	21.0	1.56	22.7	1.86	24.7	2.17	26.9	2.45	27.7	2.51	28.8	2.58	29.6	2.58
	20	46.4	21.0	2.22	22.7	2.57	24.7	3.00	26.9	3.38	27.7	3.46	28.8	3.54	29.6	3.61
		58.0	21.0	2.17	22.7	2.53	24.7	2.95	26.9	3.33	27.7	3.41	28.8	3.49	29.6	3.55
		116.0	21.0	2.00	22.7	2.37	24.7	2.76	26.9	3.11	27.7	3.18	28.8	3.27	29.6	3.33
		145.0	21.0	1.95	22.7	2.32	24.7	2.70	26.9	3.05	27.7	3.12	28.8	3.20	29.6	3.24
		174.0	21.0	1.92	22.7	2.29	24.7	2.67	26.9	3.02	27.7	3.09	28.8	3.17	29.6	3.19
	25	46.4	21.0	2.70	22.7	3.14	24.7	3.66	26.9	4.12	27.7	4.21	28.8	4.32	29.6	4.40
		58.0	21.0	2.65	22.7	3.09	24.7	3.60	26.9	4.05	27.7	4.15	28.8	4.25	29.6	4.33
		116.0	21.0	2.44	22.7	2.89	24.7	3.36	26.9	3.79	27.7	3.88	28.8	3.98	29.6	4.05
		145.0	21.0	2.37	22.7	2.83	24.7	3.30	26.9	3.71	27.7	3.81	28.8	3.91	29.6	3.94
		174.0	21.0	2.34	22.7	2.79	24.7	3.26	26.9	3.68	27.7	3.77	28.8	3.87	29.6	3.89
	30	46.4	21.0	3.33	22.7	3.87	24.7	4.50	26.9	5.07	27.7	5.19	28.8	5.31	29.6	5.41
		58.0	21.0	3.26	22.7	3.80	24.7	4.43	26.9	4.98	27.7	5.10	28.8	5.23	29.6	5.32
		116.0	21.0	3.00	22.7	3.55	24.7	4.14	26.9	4.66	27.7	4.77	28.8	4.90	29.6	4.98
		145.0	21.0	2.91	22.7	3.48	24.7	4.05	26.9	4.57	27.7	4.68	28.8	4.80	29.6	4.85
		174.0	21.0	2.87	22.7	3.44	24.7	4.01	26.9	4.53	27.7	4.64	28.8	4.75	29.6	4.79
	35	46.4	21.0	3.69	22.7	4.29	24.7	5.00	26.9	5.63	27.7	5.77	28.8	5.91	29.6	6.01
		58.0	21.0	3.62	22.7	4.22	24.7	4.92	26.9	5.54	27.7	5.67	28.8	5.81	29.6	5.92
		116.0	21.0	3.33	22.7	3.95	24.7	4.60	26.9	5.18	27.7	5.30	28.8	5.44	29.6	5.54
		145.0	21.0	3.24	22.7	3.86	24.7	4.51	26.9	5.08	27.7	5.20	28.8	5.34	29.6	5.39
		174.0	21.0	3.19	22.7	3.82	24.7	4.46	26.9	5.03	27.7	5.16	28.8	5.29	29.6	5.32
	40	46.4	21.0	4.37	22.7	5.08	24.7	5.93	26.9	6.67	27.7	6.83	28.8	6.99	29.6	7.12
		58.0	21.0	4.29	22.7	5.00	24.7	5.83	26.9	6.56	27.7	6.72	28.8	6.88	29.6	7.00
		116.0	21.0	3.94	22.7	4.68	24.7	5.45	26.9	6.14	27.7	6.28	28.8	6.44	29.6	6.56
		145.0	21.0	3.83	22.7	4.57	24.7	5.34	26.9	6.01	27.7	6.16	28.8	6.32	29.6	6.39
		174.0	21.0	3.78	22.7	4.52	24.7	5.28	26.9	5.95	27.7	6.10	28.8	6.26	29.6	6.30
	45	46.4	21.0	5.06	22.7	5.87	24.7	6.85	26.9	7.71	27.7	7.89	28.8	8.07	29.6	8.22
		58.0	21.0	4.96	22.7	5.78	24.7	6.74	26.9	7.58	27.7	7.76	28.8	7.94	29.6	8.09
		116.0	21.0	4.55	22.7	5.40	24.7	6.29	26.9	7.09	27.7	7.25	28.8	7.44	29.6	7.58
		145.0	21.0	4.43	22.7	5.29	24.7	6.17	26.9	6.94	27.7	7.11	28.8	7.30	29.6	7.38
		174.0	21.0	4.36	22.7	5.23	24.7	6.10	26.9	6.87	27.7	7.04	28.8	7.24	29.6	7.29
70	10	46.4	18.3	1.09	19.9	1.28	21.6	1.50	23.5	1.68	24.2	1.71	25.2	1.76	25.9	1.79
		58.0	18.3	1.07	19.9	1.26	21.6	1.47	23.5	1.65	24.2	1.69	25.2	1.73	25.9	1.77
		116.0	18.3	0.99	19.9	1.19	21.6	1.36	23.5	1.54	24.2	1.58	25.2	1.62	25.9	1.65
		145.0	18.3	0.96	19.9	1.15	21.6	1.34	23.5	1.52	24.2	1.55	25.2	1.59	25.9	1.61
		174.0	18.3	0.95	19.9	1.13	21.6	1.33	23.5	1.51	24.2	1.54	25.2	1.57	25.9	1.59
	15	46.4	18.3	1.49	19.9	1.74	21.6	2.02	23.5	2.28	24.2	2.33	25.2	2.39	25.9	2.43
		58.0	18.3	1.46	19.9	1.71	21.6	1.99	23.5	2.24	24.2	2.29	25.2	2.35	25.9	2.39
		116.0	18.3	1.34	19.9	1.60	21.6	1.86	23.5	2.09	24.2	2.14	25.2	2.20	25.9	2.24
		145.0	18.3	1.31	19.9	1.56	21.6	1.82	23.5	2.06	24.2	2.11	25.2	2.16	25.9	2.18
		174.0	18.3	1.29	19.9	1.55	21.6	1.80	23.5	2.04	24.2	2.09	25.2	2.14	25.9	2.15
	20	46.4	18.3	1.84	19.9	2.14	21.6	2.49	23.5	2.80	24.2	2.87	25.2	2.95	25.9	3.00
		58.0	18.3	1.81	19.9	2.11	21.6	2.45	23.5	2.76	24.2	2.83	25.2	2.90	25.9	2.95
		116.0	18.3	1.66	19.9	1.97	21.6	2.30	23.5	2.58	24.2	2.64	25.2	2.72	25.9	2.76
		145.0	18.3	1.62	19.9	1.93	21.6	2.25	23.5	2.53	24.2	2.60	25.2	2.66	25.9	2.69
		174.0	18.3	1.59	19.9	1.91	21.6	2.22	23.5	2.51	24.2	2.58	25.2	2.64	25.9	2.65
	25	46.4	18.3	2.25	19.9	2.61	21.6	3.05	23.5	3.43	24.2	3.51	25.2	3.60	25.9	3.65
		58.0	18.3	2.20	19.9	2.57	21.6	3.00	23.5	3.37	24.2	3.45	25.2	3.54	25.9	3.60
		116.0	18.3	2.03	19.9	2.40	21.6	2.80	23.5	3.15	24.2	3.22	25.2	3.31	25.9	3.37
		145.0	18.3	1.97	19.9	2.35	21.6	2.74	23.5	3.09	24.2	3.16	25.2	3.24	25.9	3.28
		174.0	18.3	1.94	19.9	2.32	21.6	2.71	23.5	3.06	24.2	3.13	25.2	3.21	25.9	3.24

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	46.4	18.3	2.76	19.9	3.21	21.6	3.74	23.5	4.22	24.2	4.31	25.2	4.42	25.9	4.50
		58.0	18.3	2.71	19.9	3.16	21.6	3.68	23.5	4.15	24.2	4.24	25.2	4.35	25.9	4.43
		116.0	18.3	2.49	19.9	2.95	21.6	3.44	23.5	3.88	24.2	3.97	25.2	4.07	25.9	4.14
		145.0	18.3	2.42	19.9	2.89	21.6	3.37	23.5	3.80	24.2	3.89	25.2	3.99	25.9	4.04
		174.0	18.3	2.39	19.9	2.86	21.6	3.33	23.5	3.77	24.2	3.85	25.2	3.96	25.9	3.99
	35	46.4	18.3	3.07	19.9	3.57	21.6	4.16	23.5	4.68	24.2	4.79	25.2	4.91	25.9	5.00
		58.0	18.3	3.01	19.9	3.51	21.6	4.09	23.5	4.60	24.2	4.71	25.2	4.83	25.9	4.92
		116.0	18.3	2.77	19.9	3.28	21.6	3.82	23.5	4.31	24.2	4.41	25.2	4.52	25.9	4.60
		145.0	18.3	2.69	19.9	3.22	21.6	3.74	23.5	4.22	24.2	4.32	25.2	4.43	25.9	4.49
		174.0	18.3	2.66	19.9	3.18	21.6	3.70	23.5	4.18	24.2	4.28	25.2	4.39	25.9	4.43
	40	46.4	18.3	3.64	19.9	4.22	21.6	4.92	23.5	5.54	24.2	5.68	25.2	5.81	25.9	5.91
		58.0	18.3	3.57	19.9	4.15	21.6	4.85	23.5	5.45	24.2	5.59	25.2	5.72	25.9	5.82
		116.0	18.3	3.28	19.9	3.89	21.6	4.53	23.5	5.10	24.2	5.22	25.2	5.35	25.9	5.45
		145.0	18.3	3.19	19.9	3.80	21.6	4.43	23.5	5.00	24.2	5.12	25.2	5.26	25.9	5.31
		174.0	18.3	3.14	19.9	3.76	21.6	4.39	23.5	4.95	24.2	5.08	25.2	5.21	25.9	5.23
	45	46.4	18.3	4.21	19.9	4.88	21.6	5.69	23.5	6.41	24.2	6.57	25.2	6.71	25.9	6.83
		58.0	18.3	4.13	19.9	4.80	21.6	5.60	23.5	6.31	24.2	6.46	25.2	6.61	25.9	6.72
		116.0	18.3	3.80	19.9	4.50	21.6	5.23	23.5	5.89	24.2	6.03	25.2	6.18	25.9	6.31
		145.0	18.3	3.68	19.9	4.39	21.6	5.12	23.5	5.78	24.2	5.92	25.2	6.08	25.9	6.13
		174.0	18.3	3.62	19.9	4.34	21.6	5.07	23.5	5.72	24.2	5.87	25.2	6.03	25.9	6.04
60	10	46.4	15.7	0.88	17.0	1.01	18.6	1.19	20.2	1.34	20.8	1.37	21.6	1.40	22.2	1.44
		58.0	15.7	0.86	17.0	0.99	18.6	1.17	20.2	1.31	20.8	1.35	21.6	1.38	22.2	1.41
		116.0	15.7	0.79	17.0	0.93	18.6	1.09	20.2	1.22	20.8	1.26	21.6	1.29	22.2	1.31
		145.0	15.7	0.77	17.0	0.93	18.6	1.07	20.2	1.21	20.8	1.24	21.6	1.26	22.2	1.29
		174.0	15.7	0.76	17.0	0.92	18.6	1.06	20.2	1.20	20.8	1.23	21.6	1.25	22.2	1.27
	15	46.4	15.7	1.19	17.0	1.38	18.6	1.61	20.2	1.81	20.8	1.86	21.6	1.90	22.2	1.94
		58.0	15.7	1.17	17.0	1.36	18.6	1.59	20.2	1.78	20.8	1.83	21.6	1.87	22.2	1.91
		116.0	15.7	1.07	17.0	1.27	18.6	1.48	20.2	1.67	20.8	1.71	21.6	1.75	22.2	1.78
		145.0	15.7	1.04	17.0	1.25	18.6	1.45	20.2	1.64	20.8	1.68	21.6	1.72	22.2	1.74
		174.0	15.7	1.03	17.0	1.24	18.6	1.44	20.2	1.62	20.8	1.67	21.6	1.70	22.2	1.72
	20	46.4	15.7	1.47	17.0	1.71	18.6	1.98	20.2	2.24	20.8	2.29	21.6	2.35	22.2	2.39
		58.0	15.7	1.44	17.0	1.68	18.6	1.95	20.2	2.20	20.8	2.25	21.6	2.31	22.2	2.35
		116.0	15.7	1.32	17.0	1.57	18.6	1.83	20.2	2.06	20.8	2.11	21.6	2.17	22.2	2.20
		145.0	15.7	1.28	17.0	1.53	18.6	1.79	20.2	2.02	20.8	2.07	21.6	2.12	22.2	2.14
		174.0	15.7	1.27	17.0	1.52	18.6	1.77	20.2	2.00	20.8	2.05	21.6	2.10	22.2	2.11
	25	46.4	15.7	1.79	17.0	2.08	18.6	2.42	20.2	2.73	20.8	2.80	21.6	2.87	22.2	2.92
		58.0	15.7	1.75	17.0	2.05	18.6	2.39	20.2	2.69	20.8	2.75	21.6	2.82	22.2	2.87
		116.0	15.7	1.62	17.0	1.92	18.6	2.23	20.2	2.51	20.8	2.57	21.6	2.64	22.2	2.69
		145.0	15.7	1.57	17.0	1.87	18.6	2.19	20.2	2.46	20.8	2.53	21.6	2.59	22.2	2.61
		174.0	15.7	1.55	17.0	1.85	18.6	2.17	20.2	2.43	20.8	2.50	21.6	2.57	22.2	2.58
	30	46.4	15.7	2.20	17.0	2.56	18.6	2.98	20.2	3.36	20.8	3.44	21.6	3.52	22.2	3.59
		58.0	15.7	2.16	17.0	2.52	18.6	2.94	20.2	3.30	20.8	3.38	21.6	3.46	22.2	3.53
		116.0	15.7	1.99	17.0	2.36	18.6	2.75	20.2	3.09	20.8	3.16	21.6	3.24	22.2	3.30
		145.0	15.7	1.93	17.0	2.31	18.6	2.69	20.2	3.03	20.8	3.11	21.6	3.19	22.2	3.22
		174.0	15.7	1.90	17.0	2.28	18.6	2.66	20.2	3.00	20.8	3.08	21.6	3.16	22.2	3.17
	35	46.4	15.7	2.45	17.0	2.84	18.6	3.31	20.2	3.73	20.8	3.82	21.6	3.92	22.2	3.98
		58.0	15.7	2.40	17.0	2.80	18.6	3.26	20.2	3.67	20.8	3.76	21.6	3.85	22.2	3.92
		116.0	15.7	2.21	17.0	2.61	18.6	3.05	20.2	3.44	20.8	3.52	21.6	3.60	22.2	3.67
		145.0	15.7	2.14	17.0	2.56	18.6	2.99	20.2	3.36	20.8	3.45	21.6	3.54	22.2	3.58
		174.0	15.7	2.11	17.0	2.54	18.6	2.96	20.2	3.33	20.8	3.42	21.6	3.51	22.2	3.53
	40	46.4	15.7	2.90	17.0	3.37	18.6	3.92	20.2	4.42	20.8	4.52	21.6	4.63	22.2	4.72
		58.0	15.7	2.84	17.0	3.32	18.6	3.86	20.2	4.35	20.8	4.45	21.6	4.56	22.2	4.65
		116.0	15.7	2.61	17.0	3.10	18.6	3.61	20.2	4.07	20.8	4.16	21.6	4.27	22.2	4.35
		145.0	15.7	2.54	17.0	3.03	18.6	3.54	20.2	3.99	20.8	4.08	21.6	4.19	22.2	4.23
		174.0	15.7	2.50	17.0	3.00	18.6	3.50	20.2	3.95	20.8	4.04	21.6	4.16	22.2	4.17
	45	46.4	15.7	3.35	17.0	3.90	18.6	4.54	20.2	5.10	20.8	5.22	21.6	5.35	22.2	5.46
		58.0	15.7	3.28	17.0	3.84	18.6	4.46	20.2	5.02	20.8	5.14	21.6	5.26	22.2	5.37
		116.0	15.7	3.02	17.0	3.58	18.6	4.18	20.2	4.70	20.8	4.81	21.6	4.93	22.2	5.02
		145.0	15.7	2.94	17.0	3.50	18.6	4.09	20.2	4.61	20.8	4.71	21.6	4.85	22.2	4.88
		174.0	15.7	2.90	17.0	3.46	18.6	4.05	20.2	4.57	20.8	4.67	21.6	4.80	22.2	4.81
50	10	46.4	13.1	0.66	14.2	0.75	15.4	0.88	16.8	0.99	17.3	1.03	18.0	1.04	18.5	1.07
		58.0	13.1	0.65	14.2	0.74	15.4	0.87	16.8	0.97	17.3	1.01	18.0	1.02	18.5	1.05
		116.0	13.1	0.59	14.2	0.70	15.4	0.82	16.8	0.93	17.3	0.95	18.0	0.96	18.5	0.97
		145.0	13.1	0.57	14.2	0.69	15.4	0.81	16.8	0.90	17.3	0.92	18.0	0.95	18.5	0.96
		174.0	13.1	0.56	14.2	0.69	15.4	0.80	16.8	0.88	17.3	0.90	18.0	0.94	18.5	0.95

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	46.4	13.1	0.89	14.2	1.03	15.4	1.20	16.8	1.35	17.3	1.39	18.0	1.42	18.5	1.45
		58.0	13.1	0.87	14.2	1.01	15.4	1.18	16.8	1.33	17.3	1.37	18.0	1.39	18.5	1.42
		116.0	13.1	0.80	14.2	0.95	15.4	1.11	16.8	1.25	17.3	1.28	18.0	1.31	18.5	1.33
		145.0	13.1	0.78	14.2	0.93	15.4	1.09	16.8	1.22	17.3	1.25	18.0	1.28	18.5	1.30
		174.0	13.1	0.77	14.2	0.92	15.4	1.08	16.8	1.20	17.3	1.23	18.0	1.27	18.5	1.28
	20	46.4	13.1	1.09	14.2	1.28	15.4	1.48	16.8	1.67	17.3	1.71	18.0	1.75	18.5	1.78
		58.0	13.1	1.07	14.2	1.26	15.4	1.46	16.8	1.64	17.3	1.68	18.0	1.73	18.5	1.75
		116.0	13.1	0.98	14.2	1.17	15.4	1.37	16.8	1.53	17.3	1.57	18.0	1.62	18.5	1.64
		145.0	13.1	0.96	14.2	1.15	15.4	1.34	16.8	1.50	17.3	1.54	18.0	1.59	18.5	1.60
		174.0	13.1	0.95	14.2	1.13	15.4	1.32	16.8	1.49	17.3	1.53	18.0	1.57	18.5	1.58
	25	46.4	13.1	1.33	14.2	1.55	15.4	1.80	16.8	2.04	17.3	2.08	18.0	2.13	18.5	2.17
		58.0	13.1	1.31	14.2	1.53	15.4	1.78	16.8	2.00	17.3	2.05	18.0	2.10	18.5	2.14
		116.0	13.1	1.20	14.2	1.42	15.4	1.67	16.8	1.87	17.3	1.92	18.0	1.97	18.5	2.00
		145.0	13.1	1.17	14.2	1.39	15.4	1.63	16.8	1.84	17.3	1.88	18.0	1.93	18.5	1.95
		174.0	13.1	1.15	14.2	1.38	15.4	1.61	16.8	1.82	17.3	1.86	18.0	1.91	18.5	1.93
	30	46.4	13.1	1.64	14.2	1.91	15.4	2.22	16.8	2.51	17.3	2.57	18.0	2.62	18.5	2.67
		58.0	13.1	1.61	14.2	1.88	15.4	2.19	16.8	2.47	17.3	2.53	18.0	2.58	18.5	2.63
		116.0	13.1	1.48	14.2	1.75	15.4	2.05	16.8	2.31	17.3	2.36	18.0	2.42	18.5	2.46
		145.0	13.1	1.44	14.2	1.72	15.4	2.00	16.8	2.26	17.3	2.31	18.0	2.37	18.5	2.40
		174.0	13.1	1.42	14.2	1.70	15.4	1.98	16.8	2.24	17.3	2.29	18.0	2.35	18.5	2.37
	35	46.4	13.1	1.83	14.2	2.12	15.4	2.47	16.8	2.78	17.3	2.85	18.0	2.92	18.5	2.97
		58.0	13.1	1.79	14.2	2.08	15.4	2.43	16.8	2.74	17.3	2.80	18.0	2.87	18.5	2.92
		116.0	13.1	1.64	14.2	1.95	15.4	2.28	16.8	2.56	17.3	2.62	18.0	2.69	18.5	2.74
		145.0	13.1	1.60	14.2	1.91	15.4	2.22	16.8	2.51	17.3	2.57	18.0	2.64	18.5	2.66
		174.0	13.1	1.58	14.2	1.89	15.4	2.20	16.8	2.49	17.3	2.54	18.0	2.61	18.5	2.63
	40	46.4	13.1	2.17	14.2	2.51	15.4	2.92	16.8	3.30	17.3	3.37	18.0	3.45	18.5	3.52
		58.0	13.1	2.12	14.2	2.47	15.4	2.88	16.8	3.24	17.3	3.32	18.0	3.40	18.5	3.46
		116.0	13.1	1.95	14.2	2.31	15.4	2.69	16.8	3.03	17.3	3.11	18.0	3.19	18.5	3.24
		145.0	13.1	1.89	14.2	2.26	15.4	2.64	16.8	2.97	17.3	3.05	18.0	3.12	18.5	3.16
		174.0	13.1	1.87	14.2	2.24	15.4	2.61	16.8	2.94	17.3	3.02	18.0	3.09	18.5	3.12
	45	46.4	13.1	2.50	14.2	2.91	15.4	3.38	16.8	3.81	17.3	3.89	18.0	3.99	18.5	4.08
		58.0	13.1	2.45	14.2	2.86	15.4	3.33	16.8	3.75	17.3	3.83	18.0	3.93	18.5	4.01
		116.0	13.1	2.25	14.2	2.67	15.4	3.11	16.8	3.50	17.3	3.59	18.0	3.69	18.5	3.74
		145.0	13.1	2.19	14.2	2.61	15.4	3.05	16.8	3.44	17.3	3.52	18.0	3.60	18.5	3.65
		174.0	13.1	2.16	14.2	2.58	15.4	3.01	16.8	3.40	17.3	3.49	18.0	3.56	18.5	3.60

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(14HP)

ARWN140LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	54.0	36.4	2.64	39.5	3.07	42.9	3.59	46.7	4.03	48.1	4.13	50.0	4.23	51.4	4.31
		67.5	36.4	2.59	39.5	3.02	42.9	3.53	46.7	3.97	48.1	4.06	50.0	4.17	51.4	4.25
		135.0	36.4	2.39	39.5	2.83	42.9	3.30	46.7	3.71	48.1	3.81	50.0	3.91	51.4	3.98
		168.8	36.4	2.32	39.5	2.76	42.9	3.23	46.7	3.63	48.1	3.73	50.0	3.82	51.4	3.89
		202.5	36.4	2.28	39.5	2.73	42.9	3.19	46.7	3.59	48.1	3.69	50.0	3.78	51.4	3.85
	15	54.0	35.9	3.47	38.8	4.04	42.3	4.71	46.0	5.30	47.3	5.42	49.2	5.56	50.6	5.65
		67.5	35.9	3.40	38.8	3.97	42.3	4.63	46.0	5.21	47.3	5.34	49.2	5.47	50.6	5.57
		135.0	35.9	3.14	38.8	3.72	42.3	4.33	46.0	4.87	47.3	5.00	49.2	5.13	50.6	5.23
		168.8	35.9	3.05	38.8	3.63	42.3	4.24	46.0	4.78	47.3	4.90	49.2	5.02	50.6	5.11
		202.5	35.9	3.00	38.8	3.60	42.3	4.20	46.0	4.73	47.3	4.85	49.2	4.97	50.6	5.06
	20	54.0	35.3	4.21	38.2	4.90	41.7	5.70	45.3	6.42	46.7	6.57	48.5	6.73	49.8	6.85
		67.5	35.3	4.12	38.2	4.82	41.7	5.61	45.3	6.32	46.7	6.47	48.5	6.63	49.8	6.74
		135.0	35.3	3.80	38.2	4.50	41.7	5.25	45.3	5.91	46.7	6.06	48.5	6.22	49.8	6.34
		168.8	35.3	3.70	38.2	4.41	41.7	5.14	45.3	5.79	46.7	5.94	48.5	6.09	49.8	6.20
		202.5	35.3	3.65	38.2	4.37	41.7	5.09	45.3	5.73	46.7	5.88	48.5	6.03	49.8	6.13
	25	54.0	35.3	5.20	38.2	6.04	41.7	7.04	45.3	7.92	46.7	8.10	48.5	8.31	49.8	8.45
		67.5	35.3	5.10	38.2	5.94	41.7	6.92	45.3	7.80	46.7	7.97	48.5	8.18	49.8	8.32
		135.0	35.3	4.69	38.2	5.55	41.7	6.47	45.3	7.29	46.7	7.47	48.5	7.66	49.8	7.82
		168.8	35.3	4.55	38.2	5.43	41.7	6.33	45.3	7.15	46.7	7.33	48.5	7.52	49.8	7.64
		202.5	35.3	4.49	38.2	5.38	41.7	6.27	45.3	7.07	46.7	7.27	48.5	7.45	49.8	7.56
	30	54.0	35.3	6.24	38.2	7.24	41.7	8.44	45.3	9.51	46.7	9.73	48.5	9.96	49.8	10.14
		67.5	35.3	6.11	38.2	7.13	41.7	8.30	45.3	9.35	46.7	9.58	48.5	9.81	49.8	9.99
		135.0	35.3	5.62	38.2	6.66	41.7	7.76	45.3	8.74	46.7	8.96	48.5	9.19	49.8	9.38
		168.8	35.3	5.46	38.2	6.52	41.7	7.61	45.3	8.57	46.7	8.79	48.5	9.02	49.8	9.17
		202.5	35.3	5.38	38.2	6.45	41.7	7.53	45.3	8.49	46.7	8.71	48.5	8.93	49.8	9.06
	35	54.0	31.8	6.31	34.4	7.32	37.5	8.54	40.8	9.61	42.0	9.84	43.6	10.07	44.8	10.25
		67.5	31.8	6.18	34.4	7.21	37.5	8.40	40.8	9.45	42.0	9.68	43.6	9.92	44.8	10.09
		135.0	31.8	5.68	34.4	6.74	37.5	7.85	40.8	8.84	42.0	9.06	43.6	9.30	44.8	9.49
		168.8	31.8	5.52	34.4	6.59	37.5	7.69	40.8	8.67	42.0	8.89	43.6	9.12	44.8	9.27
		202.5	31.8	5.44	34.4	6.52	37.5	7.61	40.8	8.58	42.0	8.81	43.6	9.03	44.8	9.17
	40	54.0	28.3	6.65	30.6	7.72	33.3	9.00	36.2	10.14	37.3	10.37	38.8	10.62	39.9	10.82
		67.5	28.3	6.52	30.6	7.60	33.3	8.86	36.2	9.98	37.3	10.21	38.8	10.46	39.9	10.66
		135.0	28.3	6.00	30.6	7.11	33.3	8.29	36.2	9.33	37.3	9.56	38.8	9.81	39.9	10.00
		168.8	28.3	5.83	30.6	6.96	33.3	8.11	36.2	9.14	37.3	9.38	38.8	9.62	39.9	9.78
		202.5	28.3	5.74	30.6	6.88	33.3	8.02	36.2	9.05	37.3	9.29	38.8	9.53	39.9	9.67
	45	54.0	24.7	7.00	26.8	8.12	29.2	9.46	31.7	10.68	32.7	10.91	33.9	11.18	34.9	11.39
		67.5	24.7	6.86	26.8	7.99	29.2	9.31	31.7	10.50	32.7	10.74	33.9	11.00	34.9	11.22
		135.0	24.7	6.31	26.8	7.47	29.2	8.72	31.7	9.82	32.7	10.06	33.9	10.32	34.9	10.52
		168.8	24.7	6.13	26.8	7.32	29.2	8.53	31.7	9.61	32.7	9.87	33.9	10.12	34.9	10.29
		202.5	24.7	6.04	26.8	7.25	29.2	8.43	31.7	9.51	32.7	9.78	33.9	10.02	34.9	10.17
120	10	54.0	34.5	2.51	37.3	2.92	40.7	3.39	44.2	3.83	45.5	3.92	47.3	4.01	48.6	4.09
		67.5	34.5	2.46	37.3	2.87	40.7	3.34	44.2	3.77	45.5	3.85	47.3	3.95	48.6	4.02
		135.0	34.5	2.25	37.3	2.68	40.7	3.13	44.2	3.51	45.5	3.60	47.3	3.70	48.6	3.78
		168.8	34.5	2.19	37.3	2.61	40.7	3.05	44.2	3.45	45.5	3.53	47.3	3.64	48.6	3.69
		202.5	34.5	2.16	37.3	2.58	40.7	3.01	44.2	3.42	45.5	3.50	47.3	3.61	48.6	3.65
	15	54.0	34.1	3.33	36.9	3.87	40.2	4.50	43.7	5.07	45.0	5.19	46.8	5.31	48.1	5.41
		67.5	34.1	3.26	36.9	3.80	40.2	4.43	43.7	4.99	45.0	5.10	46.8	5.23	48.1	5.33
		135.0	34.1	2.99	36.9	3.55	40.2	4.14	43.7	4.66	45.0	4.78	46.8	4.90	48.1	5.00
		168.8	34.1	2.91	36.9	3.47	40.2	4.05	43.7	4.57	45.0	4.69	46.8	4.81	48.1	4.88
		202.5	34.1	2.87	36.9	3.43	40.2	4.01	43.7	4.53	45.0	4.64	46.8	4.77	48.1	4.82
	20	54.0	33.7	4.05	36.5	4.71	39.8	5.49	43.3	6.18	44.6	6.32	46.3	6.47	47.6	6.59
		67.5	33.7	3.97	36.5	4.63	39.8	5.40	43.3	6.08	44.6	6.22	46.3	6.37	47.6	6.49
		135.0	33.7	3.65	36.5	4.33	39.8	5.04	43.3	5.68	44.6	5.82	46.3	5.97	47.6	6.08
		168.8	33.7	3.55	36.5	4.24	39.8	4.94	43.3	5.57	44.6	5.71	46.3	5.85	47.6	5.94
		202.5	33.7	3.51	36.5	4.20	39.8	4.90	43.3	5.51	44.6	5.66	46.3	5.80	47.6	5.87
	25	54.0	33.7	4.98	36.5	5.79	39.8	6.74	43.3	7.59	44.6	7.77	46.3	7.95	47.6	8.10
		67.5	33.7	4.88	36.5	5.69	39.8	6.63	43.3	7.47	44.6	7.64	46.3	7.83	47.6	7.97
		135.0	33.7	4.49	36.5	5.32	39.8	6.20	43.3	6.98	44.6	7.15	46.3	7.34	47.6	7.48
		168.8	33.7	4.37	36.5	5.21	39.8	6.08	43.3	6.84	44.6	7.02	46.3	7.20	47.6	7.31
		202.5	33.7	4.30	36.5	5.16	39.8	6.01	43.3	6.77	44.6	6.95	46.3	7.13	47.6	7.22
	30	54.0	33.7	6.02	36.5	7.00	39.8	8.15	43.3	9.17	44.6	9.40	46.3	9.62	47.6	9.79
		67.5	33.7	5.90	36.5	6.89	39.8	8.02	43.3	9.02	44.6	9.25	46.3	9.47	47.6	9.64
		135.0	33.7	5.43	36.5	6.43	39.8	7.49	43.3	8.45	44.6	8.65	46.3	8.87	47.6	9.05
		168.8	33.7	5.27	36.5	6.30	39.8	7.34	43.3	8.28	44.6	8.49	46.3	8.70	47.6	8.84
		202.5	33.7	5.20	36.5	6.23	39.8	7.27	43.3	8.19	44.6	8.41	46.3	8.62	47.6	8.73

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	54.0	30.9	6.17	33.4	7.17	36.4	8.35	39.6	9.41	40.8	9.63	42.4	9.87	43.6	10.03
		67.5	30.9	6.05	33.4	7.06	36.4	8.21	39.6	9.26	40.8	9.48	42.4	9.71	43.6	9.88
		135.0	30.9	5.56	33.4	6.59	36.4	7.68	39.6	8.65	40.8	8.86	42.4	9.10	43.6	9.27
		168.8	30.9	5.41	33.4	6.46	36.4	7.53	39.6	8.48	40.8	8.70	42.4	8.92	43.6	9.05
		202.5	30.9	5.33	33.4	6.39	36.4	7.45	39.6	8.40	40.8	8.62	42.4	8.83	43.6	8.94
	40	54.0	28.0	6.65	30.3	7.71	33.0	8.99	35.9	10.12	37.0	10.37	38.4	10.62	39.5	10.80
		67.5	28.0	6.51	30.3	7.59	33.0	8.85	35.9	9.96	37.0	10.20	38.4	10.45	39.5	10.64
		135.0	28.0	5.99	30.3	7.10	33.0	8.27	35.9	9.31	37.0	9.54	38.4	9.79	39.5	9.98
		168.8	28.0	5.82	30.3	6.95	33.0	8.10	35.9	9.13	37.0	9.36	38.4	9.60	39.5	9.75
		202.5	28.0	5.73	30.3	6.87	33.0	8.01	35.9	9.04	37.0	9.27	38.4	9.51	39.5	9.63
	45	54.0	25.2	7.12	27.2	8.26	29.7	9.64	32.2	10.84	33.2	11.10	34.5	11.37	35.4	11.57
		67.5	25.2	6.98	27.2	8.13	29.7	9.48	32.2	10.66	33.2	10.92	34.5	11.19	35.4	11.39
		135.0	25.2	6.41	27.2	7.61	29.7	8.86	32.2	9.97	33.2	10.22	34.5	10.49	35.4	10.68
		168.8	25.2	6.23	27.2	7.44	29.7	8.67	32.2	9.78	33.2	10.02	34.5	10.29	35.4	10.44
		202.5	25.2	6.13	27.2	7.35	29.7	8.58	32.2	9.69	33.2	9.93	34.5	10.19	35.4	10.32
110	10	54.0	32.6	2.37	35.2	2.75	38.4	3.20	41.7	3.60	42.9	3.70	44.6	3.77	45.9	3.86
		67.5	32.6	2.32	35.2	2.70	38.4	3.15	41.7	3.54	42.9	3.64	44.6	3.72	45.9	3.80
		135.0	32.6	2.13	35.2	2.53	38.4	2.95	41.7	3.31	42.9	3.41	44.6	3.49	45.9	3.56
		168.8	32.6	2.07	35.2	2.48	38.4	2.88	41.7	3.26	42.9	3.34	44.6	3.43	45.9	3.46
		202.5	32.6	2.04	35.2	2.46	38.4	2.85	41.7	3.24	42.9	3.31	44.6	3.39	45.9	3.41
	15	54.0	32.3	3.17	35.0	3.68	38.1	4.29	41.5	4.84	42.7	4.95	44.3	5.07	45.6	5.17
		67.5	32.3	3.11	35.0	3.63	38.1	4.22	41.5	4.76	42.7	4.87	44.3	4.99	45.6	5.09
		135.0	32.3	2.86	35.0	3.39	38.1	3.96	41.5	4.45	42.7	4.56	44.3	4.68	45.6	4.77
		168.8	32.3	2.78	35.0	3.32	38.1	3.87	41.5	4.37	42.7	4.47	44.3	4.59	45.6	4.64
		202.5	32.3	2.74	35.0	3.29	38.1	3.82	41.5	4.33	42.7	4.43	44.3	4.54	45.6	4.58
	20	54.0	32.1	3.89	34.8	4.52	37.9	5.26	41.2	5.93	42.5	6.07	44.1	6.22	45.4	6.33
		67.5	32.1	3.81	34.8	4.45	37.9	5.18	41.2	5.84	42.5	5.97	44.1	6.12	45.4	6.23
		135.0	32.1	3.51	34.8	4.16	37.9	4.85	41.2	5.45	42.5	5.59	44.1	5.73	45.4	5.84
		168.8	32.1	3.41	34.8	4.07	37.9	4.74	41.2	5.35	42.5	5.48	44.1	5.62	45.4	5.69
		202.5	32.1	3.36	34.8	4.03	37.9	4.69	41.2	5.29	42.5	5.43	44.1	5.57	45.4	5.62
	25	54.0	32.1	4.76	34.8	5.53	37.9	6.45	41.2	7.26	42.5	7.43	44.1	7.61	45.4	7.75
		67.5	32.1	4.67	34.8	5.44	37.9	6.34	41.2	7.15	42.5	7.31	44.1	7.49	45.4	7.63
		135.0	32.1	4.29	34.8	5.09	37.9	5.93	41.2	6.68	42.5	6.84	44.1	7.02	45.4	7.15
		168.8	32.1	4.18	34.8	4.98	37.9	5.81	41.2	6.55	42.5	6.71	44.1	6.89	45.4	6.97
		202.5	32.1	4.12	34.8	4.93	37.9	5.75	41.2	6.48	42.5	6.64	44.1	6.82	45.4	6.88
	30	54.0	32.1	5.81	34.8	6.75	37.9	7.86	41.2	8.85	42.5	9.06	44.1	9.28	45.4	9.45
		67.5	32.1	5.69	34.8	6.64	37.9	7.73	41.2	8.70	42.5	8.92	44.1	9.13	45.4	9.30
		135.0	32.1	5.23	34.8	6.21	37.9	7.23	41.2	8.14	42.5	8.34	44.1	8.55	45.4	8.71
		168.8	32.1	5.09	34.8	6.08	37.9	7.08	41.2	7.98	42.5	8.18	44.1	8.39	45.4	8.50
		202.5	32.1	5.02	34.8	6.01	37.9	7.01	41.2	7.90	42.5	8.10	44.1	8.31	45.4	8.39
	35	54.0	30.0	6.03	32.4	7.02	35.3	8.17	38.4	9.20	39.6	9.42	41.1	9.65	42.2	9.82
		67.5	30.0	5.92	32.4	6.90	35.3	8.04	38.4	9.05	39.6	9.27	41.1	9.50	42.2	9.67
		135.0	30.0	5.44	32.4	6.45	35.3	7.52	38.4	8.46	39.6	8.67	41.1	8.89	42.2	9.06
		168.8	30.0	5.29	32.4	6.32	35.3	7.36	38.4	8.29	39.6	8.51	41.1	8.72	42.2	8.84
		202.5	30.0	5.22	32.4	6.25	35.3	7.28	38.4	8.21	39.6	8.43	41.1	8.64	42.2	8.73
	40	54.0	27.8	6.64	30.1	7.71	32.7	8.97	35.6	10.10	36.7	10.35	38.1	10.60	39.1	10.79
		67.5	27.8	6.50	30.1	7.58	32.7	8.83	35.6	9.94	36.7	10.18	38.1	10.43	39.1	10.62
		135.0	27.8	5.98	30.1	7.09	32.7	8.26	35.6	9.30	36.7	9.52	38.1	9.77	39.1	9.95
		168.8	27.8	5.81	30.1	6.94	32.7	8.09	35.6	9.11	36.7	9.35	38.1	9.59	39.1	9.70
		202.5	27.8	5.72	30.1	6.86	32.7	8.01	35.6	9.02	36.7	9.26	38.1	9.49	39.1	9.58
	45	54.0	25.6	7.24	27.7	8.39	30.2	9.78	32.8	11.01	33.8	11.28	35.1	11.55	36.0	11.76
		67.5	25.6	7.09	27.7	8.26	30.2	9.62	32.8	10.83	33.8	11.10	35.1	11.37	36.0	11.57
		135.0	25.6	6.51	27.7	7.73	30.2	9.00	32.8	10.14	33.8	10.38	35.1	10.66	36.0	10.84
		168.8	25.6	6.33	27.7	7.56	30.2	8.82	32.8	9.93	33.8	10.18	35.1	10.45	36.0	10.57
		202.5	25.6	6.23	27.7	7.48	30.2	8.73	32.8	9.83	33.8	10.09	35.1	10.35	36.0	10.43
100	10	54.0	30.6	2.24	33.1	2.60	36.1	3.03	39.2	3.41	40.4	3.49	41.9	3.58	43.1	3.62
		67.5	30.6	2.19	33.1	2.55	36.1	2.97	39.2	3.35	40.4	3.43	41.9	3.51	43.1	3.56
		135.0	30.6	2.01	33.1	2.39	36.1	2.77	39.2	3.13	40.4	3.20	41.9	3.27	43.1	3.33
		168.8	30.6	1.94	33.1	2.33	36.1	2.73	39.2	3.06	40.4	3.15	41.9	3.21	43.1	3.25
		202.5	30.6	1.91	33.1	2.30	36.1	2.71	39.2	3.02	40.4	3.12	41.9	3.18	43.1	3.20
	15	54.0	30.6	3.03	33.1	3.51	36.1	4.09	39.2	4.61	40.4	4.72	41.9	4.84	43.1	4.92
		67.5	30.6	2.97	33.1	3.46	36.1	4.03	39.2	4.53	40.4	4.64	41.9	4.76	43.1	4.84
		135.0	30.6	2.73	33.1	3.23	36.1	3.76	39.2	4.24	40.4	4.34	41.9	4.45	43.1	4.53
		168.8	30.6	2.65	33.1	3.16	36.1	3.69	39.2	4.15	40.4	4.26	41.9	4.37	43.1	4.41
		202.5	30.6	2.61	33.1	3.13	36.1	3.65	39.2	4.11	40.4	4.22	41.9	4.33	43.1	4.35

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	54.0	30.6	3.73	33.1	4.33	36.1	5.04	39.2	5.68	40.4	5.81	41.9	5.96	43.1	6.07
		67.5	30.6	3.65	33.1	4.26	36.1	4.96	39.2	5.59	40.4	5.72	41.9	5.86	43.1	5.97
		135.0	30.6	3.36	33.1	3.98	36.1	4.64	39.2	5.23	40.4	5.35	41.9	5.49	43.1	5.59
		168.8	30.6	3.27	33.1	3.90	36.1	4.54	39.2	5.12	40.4	5.25	41.9	5.39	43.1	5.44
		202.5	30.6	3.23	33.1	3.86	36.1	4.49	39.2	5.07	40.4	5.19	41.9	5.34	43.1	5.37
	25	54.0	30.6	4.54	33.1	5.28	36.1	6.16	39.2	6.93	40.4	7.09	41.9	7.27	43.1	7.40
		67.5	30.6	4.45	33.1	5.19	36.1	6.06	39.2	6.82	40.4	6.98	41.9	7.15	43.1	7.28
		135.0	30.6	4.10	33.1	4.86	36.1	5.66	39.2	6.37	40.4	6.53	41.9	6.69	43.1	6.82
		168.8	30.6	3.98	33.1	4.76	36.1	5.54	39.2	6.25	40.4	6.41	41.9	6.57	43.1	6.64
		202.5	30.6	3.92	33.1	4.71	36.1	5.48	39.2	6.18	40.4	6.34	41.9	6.50	43.1	6.55
	30	54.0	30.6	5.59	33.1	6.50	36.1	7.57	39.2	8.52	40.4	8.73	41.9	8.94	43.1	9.10
		67.5	30.6	5.48	33.1	6.40	36.1	7.45	39.2	8.38	40.4	8.59	41.9	8.79	43.1	8.95
		135.0	30.6	5.04	33.1	5.98	36.1	6.96	39.2	7.84	40.4	8.03	41.9	8.23	43.1	8.38
		168.8	30.6	4.90	33.1	5.85	36.1	6.82	39.2	7.69	40.4	7.88	41.9	8.08	43.1	8.16
		202.5	30.6	4.83	33.1	5.79	36.1	6.74	39.2	7.61	40.4	7.80	41.9	8.01	43.1	8.05
	35	54.0	29.0	5.90	31.5	6.85	34.3	7.99	37.2	8.99	38.4	9.21	39.9	9.43	41.0	9.61
		67.5	29.0	5.78	31.5	6.74	34.3	7.86	37.2	8.85	38.4	9.06	39.9	9.28	41.0	9.45
		135.0	29.0	5.32	31.5	6.31	34.3	7.35	37.2	8.28	38.4	8.47	39.9	8.69	41.0	8.85
		168.8	29.0	5.18	31.5	6.17	34.3	7.20	37.2	8.12	38.4	8.31	39.9	8.53	41.0	8.62
		202.5	29.0	5.11	31.5	6.11	34.3	7.12	37.2	8.04	38.4	8.23	39.9	8.45	41.0	8.50
	40	54.0	27.5	6.62	29.8	7.70	32.4	8.97	35.3	10.10	36.3	10.33	37.8	10.58	38.8	10.77
		67.5	27.5	6.49	29.8	7.57	32.4	8.82	35.3	9.93	36.3	10.17	37.8	10.41	38.8	10.60
		135.0	27.5	5.97	29.8	7.07	32.4	8.24	35.3	9.28	36.3	9.51	37.8	9.75	38.8	9.92
		168.8	27.5	5.80	29.8	6.92	32.4	8.07	35.3	9.11	36.3	9.33	37.8	9.57	38.8	9.67
		202.5	27.5	5.72	29.8	6.85	32.4	7.99	35.3	9.02	36.3	9.24	37.8	9.48	38.8	9.54
	45	54.0	26.0	7.33	28.1	8.54	30.6	9.95	33.3	11.21	34.3	11.45	35.7	11.73	36.7	11.94
		67.5	26.0	7.19	28.1	8.40	30.6	9.78	33.3	11.02	34.3	11.27	35.7	11.55	36.7	11.75
		135.0	26.0	6.62	28.1	7.84	30.6	9.13	33.3	10.29	34.3	10.54	35.7	10.81	36.7	11.00
		168.8	26.0	6.42	28.1	7.67	30.6	8.94	33.3	10.09	34.3	10.34	35.7	10.61	36.7	10.72
		202.5	26.0	6.33	28.1	7.59	30.6	8.85	33.3	10.00	34.3	10.25	35.7	10.51	36.7	10.58
90	10	54.0	27.5	1.92	29.8	2.23	32.4	2.59	35.3	2.93	36.3	2.99	37.8	3.05	38.8	3.13
		67.5	27.5	1.88	29.8	2.19	32.4	2.55	35.3	2.88	36.3	2.94	37.8	3.01	38.8	3.08
		135.0	27.5	1.72	29.8	2.05	32.4	2.40	35.3	2.68	36.3	2.75	37.8	2.83	38.8	2.88
		168.8	27.5	1.68	29.8	2.00	32.4	2.34	35.3	2.63	36.3	2.70	37.8	2.78	38.8	2.79
		202.5	27.5	1.66	29.8	1.97	32.4	2.31	35.3	2.60	36.3	2.67	37.8	2.75	38.8	2.75
	15	54.0	27.5	2.60	29.8	3.03	32.4	3.52	35.3	3.97	36.3	4.06	37.8	4.15	38.8	4.24
		67.5	27.5	2.55	29.8	2.98	32.4	3.47	35.3	3.90	36.3	3.99	37.8	4.09	38.8	4.17
		135.0	27.5	2.34	29.8	2.78	32.4	3.24	35.3	3.64	36.3	3.73	37.8	3.83	38.8	3.90
		168.8	27.5	2.28	29.8	2.72	32.4	3.17	35.3	3.57	36.3	3.66	37.8	3.76	38.8	3.80
		202.5	27.5	2.25	29.8	2.69	32.4	3.14	35.3	3.54	36.3	3.63	37.8	3.72	38.8	3.74
	20	54.0	27.5	3.21	29.8	3.73	32.4	4.35	35.3	4.89	36.3	5.01	37.8	5.13	38.8	5.22
		67.5	27.5	3.14	29.8	3.67	32.4	4.28	35.3	4.81	36.3	4.93	37.8	5.05	38.8	5.14
		135.0	27.5	2.90	29.8	3.43	32.4	3.99	35.3	4.50	36.3	4.61	37.8	4.72	38.8	4.81
		168.8	27.5	2.82	29.8	3.36	32.4	3.91	35.3	4.41	36.3	4.52	37.8	4.63	38.8	4.69
		202.5	27.5	2.78	29.8	3.32	32.4	3.87	35.3	4.37	36.3	4.47	37.8	4.59	38.8	4.62
	25	54.0	27.5	3.91	29.8	4.55	32.4	5.30	35.3	5.97	36.3	6.10	37.8	6.26	38.8	6.36
		67.5	27.5	3.83	29.8	4.47	32.4	5.21	35.3	5.87	36.3	6.00	37.8	6.16	38.8	6.26
		135.0	27.5	3.53	29.8	4.18	32.4	4.87	35.3	5.49	36.3	5.62	37.8	5.76	38.8	5.86
		168.8	27.5	3.43	29.8	4.09	32.4	4.78	35.3	5.38	36.3	5.51	37.8	5.66	38.8	5.71
		202.5	27.5	3.38	29.8	4.04	32.4	4.73	35.3	5.33	36.3	5.46	37.8	5.60	38.8	5.64
	30	54.0	27.5	4.81	29.8	5.60	32.4	6.51	35.3	7.34	36.3	7.50	37.8	7.70	38.8	7.83
		67.5	27.5	4.71	29.8	5.51	32.4	6.41	35.3	7.22	36.3	7.39	37.8	7.57	38.8	7.71
		135.0	27.5	4.34	29.8	5.14	32.4	6.00	35.3	6.74	36.3	6.91	37.8	7.08	38.8	7.22
		168.8	27.5	4.22	29.8	5.03	32.4	5.87	35.3	6.62	36.3	6.78	37.8	6.96	38.8	7.02
		202.5	27.5	4.17	29.8	4.98	32.4	5.81	35.3	6.56	36.3	6.71	37.8	6.90	38.8	6.92
	35	54.0	26.8	5.19	29.0	6.03	31.6	7.03	34.3	7.91	35.3	8.10	36.7	8.30	37.7	8.44
		67.5	26.8	5.09	29.0	5.93	31.6	6.91	34.3	7.79	35.3	7.97	36.7	8.17	37.7	8.31
		135.0	26.8	4.68	29.0	5.55	31.6	6.47	34.3	7.28	35.3	7.46	36.7	7.64	37.7	7.79
		168.8	26.8	4.55	29.0	5.43	31.6	6.33	34.3	7.14	35.3	7.31	36.7	7.50	37.7	7.58
		202.5	26.8	4.49	29.0	5.38	31.6	6.27	34.3	7.07	35.3	7.24	36.7	7.43	37.7	7.48
	40	54.0	26.0	5.96	28.1	6.93	30.7	8.08	33.3	9.09	34.3	9.31	35.7	9.53	36.6	9.70
		67.5	26.0	5.84	28.1	6.82	30.7	7.95	33.3	8.94	34.3	9.16	35.7	9.38	36.6	9.55
		135.0	26.0	5.38	28.1	6.38	30.7	7.43	33.3	8.37	34.3	8.56	35.7	8.78	36.6	8.94
		168.8	26.0	5.23	28.1	6.24	30.7	7.28	33.3	8.20	34.3	8.40	35.7	8.62	36.6	8.70
		202.5	26.0	5.15	28.1	6.17	30.7	7.20	33.3	8.11	34.3	8.32	35.7	8.53	36.6	8.58

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	54.0	25.2	6.73	27.3	7.82	29.8	9.13	32.3	10.27	33.3	10.51	34.6	10.76	35.6	10.96
		67.5	25.2	6.60	27.3	7.70	29.8	8.98	32.3	10.10	33.3	10.34	34.6	10.59	35.6	10.79
		135.0	25.2	6.08	27.3	7.21	29.8	8.39	32.3	9.45	33.3	9.67	34.6	9.92	35.6	10.10
		168.8	25.2	5.91	27.3	7.04	29.8	8.22	32.3	9.26	33.3	9.49	34.6	9.73	35.6	9.83
		202.5	25.2	5.82	27.3	6.95	29.8	8.14	32.3	9.16	33.3	9.40	34.6	9.63	35.6	9.69
80	10	54.0	24.5	1.61	26.5	1.87	28.9	2.18	31.4	2.45	32.3	2.51	33.6	2.57	34.5	2.61
		67.5	24.5	1.58	26.5	1.84	28.9	2.14	31.4	2.41	32.3	2.47	33.6	2.53	34.5	2.57
		135.0	24.5	1.46	26.5	1.72	28.9	2.01	31.4	2.25	32.3	2.31	33.6	2.36	34.5	2.41
		168.8	24.5	1.41	26.5	1.68	28.9	1.97	31.4	2.22	32.3	2.27	33.6	2.33	34.5	2.34
		202.5	24.5	1.39	26.5	1.66	28.9	1.96	31.4	2.20	32.3	2.26	33.6	2.32	34.5	2.30
	15	54.0	24.5	2.18	26.5	2.54	28.9	2.95	31.4	3.32	32.3	3.41	33.6	3.49	34.5	3.55
		67.5	24.5	2.14	26.5	2.49	28.9	2.90	31.4	3.27	32.3	3.35	33.6	3.43	34.5	3.49
		135.0	24.5	1.97	26.5	2.33	28.9	2.72	31.4	3.06	32.3	3.13	33.6	3.21	34.5	3.27
		168.8	24.5	1.92	26.5	2.28	28.9	2.66	31.4	3.00	32.3	3.07	33.6	3.15	34.5	3.18
		202.5	24.5	1.89	26.5	2.25	28.9	2.64	31.4	2.98	32.3	3.05	33.6	3.13	34.5	3.14
	20	54.0	24.5	2.69	26.5	3.12	28.9	3.64	31.4	4.10	32.3	4.20	33.6	4.30	34.5	4.38
		67.5	24.5	2.64	26.5	3.07	28.9	3.58	31.4	4.04	32.3	4.13	33.6	4.23	34.5	4.31
		135.0	24.5	2.42	26.5	2.88	28.9	3.35	31.4	3.77	32.3	3.86	33.6	3.96	34.5	4.04
		168.8	24.5	2.36	26.5	2.82	28.9	3.28	31.4	3.70	32.3	3.79	33.6	3.88	34.5	3.93
		202.5	24.5	2.33	26.5	2.78	28.9	3.24	31.4	3.66	32.3	3.75	33.6	3.84	34.5	3.88
	25	54.0	24.5	3.28	26.5	3.81	28.9	4.44	31.4	5.00	32.3	5.11	33.6	5.24	34.5	5.34
		67.5	24.5	3.22	26.5	3.75	28.9	4.37	31.4	4.92	32.3	5.03	33.6	5.16	34.5	5.26
		135.0	24.5	2.96	26.5	3.51	28.9	4.08	31.4	4.60	32.3	4.71	33.6	4.83	34.5	4.92
		168.8	24.5	2.88	26.5	3.43	28.9	4.00	31.4	4.51	32.3	4.62	33.6	4.74	34.5	4.78
		202.5	24.5	2.84	26.5	3.39	28.9	3.96	31.4	4.46	32.3	4.58	33.6	4.70	34.5	4.72
	30	54.0	24.5	4.04	26.5	4.69	28.9	5.46	31.4	6.15	32.3	6.29	33.6	6.44	34.5	6.56
		67.5	24.5	3.96	26.5	4.61	28.9	5.37	31.4	6.05	32.3	6.19	33.6	6.34	34.5	6.46
		135.0	24.5	3.63	26.5	4.31	28.9	5.02	31.4	5.66	32.3	5.79	33.6	5.94	34.5	6.05
		168.8	24.5	3.54	26.5	4.22	28.9	4.92	31.4	5.55	32.3	5.68	33.6	5.83	34.5	5.89
		202.5	24.5	3.49	26.5	4.18	28.9	4.86	31.4	5.50	32.3	5.63	33.6	5.77	34.5	5.81
	35	54.0	24.5	4.48	26.5	5.21	28.9	6.07	31.4	6.84	32.3	7.00	33.6	7.17	34.5	7.30
		67.5	24.5	4.39	26.5	5.12	28.9	5.97	31.4	6.73	32.3	6.89	33.6	7.06	34.5	7.18
		135.0	24.5	4.04	26.5	4.79	28.9	5.59	31.4	6.29	32.3	6.43	33.6	6.60	34.5	6.72
		168.8	24.5	3.93	26.5	4.69	28.9	5.47	31.4	6.17	32.3	6.32	33.6	6.48	34.5	6.54
		202.5	24.5	3.87	26.5	4.63	28.9	5.41	31.4	6.10	32.3	6.26	33.6	6.41	34.5	6.45
	40	54.0	24.5	5.31	26.5	6.17	28.9	7.19	31.4	8.10	32.3	8.29	33.6	8.48	34.5	8.64
		67.5	24.5	5.20	26.5	6.07	28.9	7.07	31.4	7.96	32.3	8.15	33.6	8.35	34.5	8.50
		135.0	24.5	4.78	26.5	5.68	28.9	6.61	31.4	7.45	32.3	7.62	33.6	7.81	34.5	7.96
		168.8	24.5	4.65	26.5	5.55	28.9	6.48	31.4	7.30	32.3	7.47	33.6	7.67	34.5	7.75
		202.5	24.5	4.58	26.5	5.49	28.9	6.41	31.4	7.22	32.3	7.40	33.6	7.60	34.5	7.65
	45	54.0	24.5	6.14	26.5	7.13	28.9	8.32	31.4	9.35	32.3	9.57	33.6	9.79	34.5	9.98
		67.5	24.5	6.01	26.5	7.01	28.9	8.18	31.4	9.20	32.3	9.42	33.6	9.64	34.5	9.82
		135.0	24.5	5.52	26.5	6.56	28.9	7.64	31.4	8.61	32.3	8.80	33.6	9.02	34.5	9.19
		168.8	24.5	5.37	26.5	6.41	28.9	7.48	31.4	8.43	32.3	8.63	33.6	8.86	34.5	8.96
		202.5	24.5	5.30	26.5	6.34	28.9	7.41	31.4	8.34	32.3	8.55	33.6	8.78	34.5	8.85
70	10	54.0	21.4	1.33	23.2	1.56	25.2	1.82	27.4	2.04	28.3	2.08	29.4	2.13	30.2	2.18
		67.5	21.4	1.30	23.2	1.53	25.2	1.78	27.4	2.01	28.3	2.05	29.4	2.10	30.2	2.14
		135.0	21.4	1.20	23.2	1.44	25.2	1.65	27.4	1.87	28.3	1.92	29.4	1.97	30.2	2.01
		168.8	21.4	1.16	23.2	1.40	25.2	1.63	27.4	1.84	28.3	1.89	29.4	1.93	30.2	1.95
		202.5	21.4	1.15	23.2	1.37	25.2	1.62	27.4	1.83	28.3	1.87	29.4	1.91	30.2	1.93
	15	54.0	21.4	1.81	23.2	2.11	25.2	2.45	27.4	2.76	28.3	2.82	29.4	2.90	30.2	2.95
		67.5	21.4	1.77	23.2	2.08	25.2	2.41	27.4	2.72	28.3	2.78	29.4	2.85	30.2	2.90
		135.0	21.4	1.63	23.2	1.94	25.2	2.25	27.4	2.54	28.3	2.60	29.4	2.67	30.2	2.72
		168.8	21.4	1.59	23.2	1.90	25.2	2.21	27.4	2.49	28.3	2.56	29.4	2.62	30.2	2.65
		202.5	21.4	1.56	23.2	1.88	25.2	2.19	27.4	2.47	28.3	2.53	29.4	2.59	30.2	2.61
	20	54.0	21.4	2.24	23.2	2.60	25.2	3.02	27.4	3.40	28.3	3.49	29.4	3.58	30.2	3.64
		67.5	21.4	2.19	23.2	2.56	25.2	2.98	27.4	3.35	28.3	3.43	29.4	3.52	30.2	3.58
		135.0	21.4	2.01	23.2	2.39	25.2	2.79	27.4	3.14	28.3	3.21	29.4	3.30	30.2	3.35
		168.8	21.4	1.96	23.2	2.34	25.2	2.73	27.4	3.07	28.3	3.15	29.4	3.23	30.2	3.26
		202.5	21.4	1.93	23.2	2.32	25.2	2.70	27.4	3.04	28.3	3.13	29.4	3.20	30.2	3.22
	25	54.0	21.4	2.73	23.2	3.17	25.2	3.70	27.4	4.16	28.3	4.26	29.4	4.36	30.2	4.44
		67.5	21.4	2.67	23.2	3.12	25.2	3.63	27.4	4.09	28.3	4.19	29.4	4.29	30.2	4.37
		135.0	21.4	2.46	23.2	2.91	25.2	3.39	27.4	3.82	28.3	3.91	29.4	4.02	30.2	4.09
		168.8	21.4	2.39	23.2	2.85	25.2	3.32	27.4	3.75	28.3	3.84	29.4	3.94	30.2	3.98
		202.5	21.4	2.35	23.2	2.82	25.2	3.29	27.4	3.72	28.3	3.80	29.4	3.90	30.2	3.93

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.

2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	54.0	21.4	3.35	23.2	3.89	25.2	4.54	27.4	5.12	28.3	5.23	29.4	5.36	30.2	5.46
		67.5	21.4	3.29	23.2	3.83	25.2	4.46	27.4	5.03	28.3	5.15	29.4	5.27	30.2	5.37
		135.0	21.4	3.02	23.2	3.58	25.2	4.18	27.4	4.70	28.3	4.82	29.4	4.94	30.2	5.02
		168.8	21.4	2.94	23.2	3.51	25.2	4.09	27.4	4.61	28.3	4.72	29.4	4.85	30.2	4.90
		202.5	21.4	2.90	23.2	3.47	25.2	4.04	27.4	4.57	28.3	4.67	29.4	4.80	30.2	4.84
	35	54.0	21.4	3.73	23.2	4.33	25.2	5.04	27.4	5.68	28.3	5.81	29.4	5.96	30.2	6.07
		67.5	21.4	3.65	23.2	4.26	25.2	4.96	27.4	5.59	28.3	5.72	29.4	5.86	30.2	5.97
		135.0	21.4	3.36	23.2	3.98	25.2	4.64	27.4	5.23	28.3	5.35	29.4	5.49	30.2	5.59
		168.8	21.4	3.27	23.2	3.90	25.2	4.54	27.4	5.12	28.3	5.25	29.4	5.38	30.2	5.44
		202.5	21.4	3.23	23.2	3.86	25.2	4.49	27.4	5.07	28.3	5.19	29.4	5.33	30.2	5.37
	40	54.0	21.4	4.42	23.2	5.12	25.2	5.98	27.4	6.73	28.3	6.89	29.4	7.05	30.2	7.18
		67.5	21.4	4.33	23.2	5.04	25.2	5.88	27.4	6.62	28.3	6.78	29.4	6.94	30.2	7.06
		135.0	21.4	3.98	23.2	4.72	25.2	5.50	27.4	6.19	28.3	6.33	29.4	6.49	30.2	6.62
		168.8	21.4	3.87	23.2	4.61	25.2	5.38	27.4	6.07	28.3	6.22	29.4	6.38	30.2	6.44
		202.5	21.4	3.81	23.2	4.56	25.2	5.32	27.4	6.01	28.3	6.16	29.4	6.32	30.2	6.35
	45	54.0	21.4	5.11	23.2	5.92	25.2	6.91	27.4	7.78	28.3	7.97	29.4	8.15	30.2	8.29
		67.5	21.4	5.01	23.2	5.83	25.2	6.80	27.4	7.65	28.3	7.84	29.4	8.02	30.2	8.16
		135.0	21.4	4.61	23.2	5.46	25.2	6.35	27.4	7.15	28.3	7.31	29.4	7.50	30.2	7.65
		168.8	21.4	4.46	23.2	5.33	25.2	6.22	27.4	7.01	28.3	7.19	29.4	7.38	30.2	7.44
		202.5	21.4	4.39	23.2	5.26	25.2	6.15	27.4	6.94	28.3	7.13	29.4	7.31	30.2	7.33
60	10	54.0	18.3	1.07	19.9	1.23	21.6	1.45	23.5	1.62	24.2	1.66	25.2	1.70	25.9	1.75
		67.5	18.3	1.05	19.9	1.21	21.6	1.42	23.5	1.59	24.2	1.64	25.2	1.67	25.9	1.72
		135.0	18.3	0.96	19.9	1.13	21.6	1.33	23.5	1.48	24.2	1.53	25.2	1.57	25.9	1.59
		168.8	18.3	0.93	19.9	1.12	21.6	1.30	23.5	1.47	24.2	1.51	25.2	1.53	25.9	1.56
		202.5	18.3	0.92	19.9	1.12	21.6	1.29	23.5	1.46	24.2	1.50	25.2	1.52	25.9	1.54
	15	54.0	18.3	1.45	19.9	1.68	21.6	1.96	23.5	2.20	24.2	2.25	25.2	2.31	25.9	2.35
		67.5	18.3	1.42	19.9	1.65	21.6	1.92	23.5	2.16	24.2	2.22	25.2	2.27	25.9	2.32
		135.0	18.3	1.30	19.9	1.54	21.6	1.80	23.5	2.02	24.2	2.08	25.2	2.13	25.9	2.16
		168.8	18.3	1.27	19.9	1.51	21.6	1.76	23.5	1.99	24.2	2.04	25.2	2.08	25.9	2.11
		202.5	18.3	1.25	19.9	1.50	21.6	1.75	23.5	1.97	24.2	2.02	25.2	2.06	25.9	2.08
	20	54.0	18.3	1.78	19.9	2.07	21.6	2.41	23.5	2.72	24.2	2.78	25.2	2.85	25.9	2.90
		67.5	18.3	1.75	19.9	2.04	21.6	2.37	23.5	2.67	24.2	2.74	25.2	2.81	25.9	2.85
		135.0	18.3	1.60	19.9	1.91	21.6	2.22	23.5	2.50	24.2	2.56	25.2	2.63	25.9	2.67
		168.8	18.3	1.56	19.9	1.86	21.6	2.17	23.5	2.45	24.2	2.51	25.2	2.57	25.9	2.60
		202.5	18.3	1.54	19.9	1.84	21.6	2.15	23.5	2.42	24.2	2.49	25.2	2.55	25.9	2.57
	25	54.0	18.3	2.17	19.9	2.53	21.6	2.94	23.5	3.31	24.2	3.40	25.2	3.48	25.9	3.54
		67.5	18.3	2.13	19.9	2.49	21.6	2.90	23.5	3.26	24.2	3.34	25.2	3.42	25.9	3.48
		135.0	18.3	1.96	19.9	2.33	21.6	2.71	23.5	3.05	24.2	3.12	25.2	3.20	25.9	3.26
		168.8	18.3	1.91	19.9	2.27	21.6	2.65	23.5	2.98	24.2	3.06	25.2	3.14	25.9	3.17
		202.5	18.3	1.88	19.9	2.25	21.6	2.63	23.5	2.95	24.2	3.04	25.2	3.12	25.9	3.13
	30	54.0	18.3	2.67	19.9	3.11	21.6	3.62	23.5	4.07	24.2	4.17	25.2	4.27	25.9	4.36
		67.5	18.3	2.62	19.9	3.06	21.6	3.56	23.5	4.01	24.2	4.11	25.2	4.21	25.9	4.29
		135.0	18.3	2.41	19.9	2.86	21.6	3.33	23.5	3.75	24.2	3.84	25.2	3.94	25.9	4.01
		168.8	18.3	2.34	19.9	2.80	21.6	3.26	23.5	3.68	24.2	3.77	25.2	3.87	25.9	3.90
		202.5	18.3	2.31	19.9	2.77	21.6	3.23	23.5	3.64	24.2	3.73	25.2	3.83	25.9	3.85
	35	54.0	18.3	2.97	19.9	3.45	21.6	4.02	23.5	4.53	24.2	4.64	25.2	4.75	25.9	4.83
		67.5	18.3	2.91	19.9	3.39	21.6	3.96	23.5	4.45	24.2	4.56	25.2	4.68	25.9	4.76
		135.0	18.3	2.68	19.9	3.17	21.6	3.70	23.5	4.17	24.2	4.27	25.2	4.37	25.9	4.45
		168.8	18.3	2.60	19.9	3.11	21.6	3.63	23.5	4.08	24.2	4.19	25.2	4.29	25.9	4.34
		202.5	18.3	2.56	19.9	3.08	21.6	3.59	23.5	4.04	24.2	4.15	25.2	4.25	25.9	4.28
	40	54.0	18.3	3.52	19.9	4.09	21.6	4.76	23.5	5.36	24.2	5.49	25.2	5.62	25.9	5.73
		67.5	18.3	3.45	19.9	4.03	21.6	4.69	23.5	5.27	24.2	5.40	25.2	5.53	25.9	5.64
		135.0	18.3	3.17	19.9	3.76	21.6	4.38	23.5	4.94	24.2	5.05	25.2	5.18	25.9	5.27
		168.8	18.3	3.08	19.9	3.68	21.6	4.29	23.5	4.84	24.2	4.95	25.2	5.09	25.9	5.13
		202.5	18.3	3.04	19.9	3.64	21.6	4.25	23.5	4.79	24.2	4.90	25.2	5.04	25.9	5.06
	45	54.0	18.3	4.06	19.9	4.74	21.6	5.50	23.5	6.19	24.2	6.34	25.2	6.49	25.9	6.63
		67.5	18.3	3.98	19.9	4.66	21.6	5.42	23.5	6.09	24.2	6.24	25.2	6.39	25.9	6.52
		135.0	18.3	3.66	19.9	4.35	21.6	5.07	23.5	5.70	24.2	5.84	25.2	5.98	25.9	6.09
		168.8	18.3	3.56	19.9	4.25	21.6	4.96	23.5	5.59	24.2	5.72	25.2	5.88	25.9	5.92
		202.5	18.3	3.51	19.9	4.20	21.6	4.91	23.5	5.54	24.2	5.66	25.2	5.83	25.9	5.84
50	10	54.0	15.3	0.81	16.6	0.91	18.0	1.07	19.6	1.20	20.2	1.25	21.0	1.26	21.6	1.30
		67.5	15.3	0.79	16.6	0.90	18.0	1.05	19.6	1.18	20.2	1.23	21.0	1.24	21.6	1.28
		135.0	15.3	0.72	16.6	0.85	18.0	0.99	19.6	1.12	20.2	1.15	21.0	1.16	21.6	1.18
		168.8	15.3	0.69	16.6	0.84	18.0	0.98	19.6	1.09	20.2	1.11	21.0	1.15	21.6	1.17
		202.5	15.3	0.68	16.6	0.84	18.0	0.97	19.6	1.07	20.2	1.10	21.0	1.14	21.6	1.16

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	54.0	15.3	1.08	16.6	1.25	18.0	1.46	19.6	1.64	20.2	1.68	21.0	1.72	21.6	1.76
		67.5	15.3	1.06	16.6	1.23	18.0	1.43	19.6	1.61	20.2	1.66	21.0	1.69	21.6	1.73
		135.0	15.3	0.97	16.6	1.15	18.0	1.35	19.6	1.51	20.2	1.55	21.0	1.59	21.6	1.61
		168.8	15.3	0.94	16.6	1.13	18.0	1.32	19.6	1.48	20.2	1.51	21.0	1.56	21.6	1.58
		202.5	15.3	0.93	16.6	1.12	18.0	1.31	19.6	1.46	20.2	1.50	21.0	1.55	21.6	1.56
	20	54.0	15.3	1.33	16.6	1.55	18.0	1.80	19.6	2.03	20.2	2.07	21.0	2.13	21.6	2.16
		67.5	15.3	1.30	16.6	1.52	18.0	1.77	19.6	2.00	20.2	2.04	21.0	2.09	21.6	2.13
		135.0	15.3	1.19	16.6	1.42	18.0	1.66	19.6	1.86	20.2	1.91	21.0	1.96	21.6	2.00
		168.8	15.3	1.17	16.6	1.39	18.0	1.62	19.6	1.83	20.2	1.87	21.0	1.92	21.6	1.94
		202.5	15.3	1.15	16.6	1.38	18.0	1.60	19.6	1.81	20.2	1.85	21.0	1.91	21.6	1.92
	25	54.0	15.3	1.62	16.6	1.88	18.0	2.19	19.6	2.47	20.2	2.53	21.0	2.59	21.6	2.63
		67.5	15.3	1.59	16.6	1.85	18.0	2.16	19.6	2.43	20.2	2.49	21.0	2.55	21.6	2.59
		135.0	15.3	1.46	16.6	1.73	18.0	2.02	19.6	2.27	20.2	2.33	21.0	2.39	21.6	2.43
		168.8	15.3	1.42	16.6	1.69	18.0	1.98	19.6	2.23	20.2	2.28	21.0	2.34	21.6	2.37
		202.5	15.3	1.39	16.6	1.67	18.0	1.96	19.6	2.21	20.2	2.26	21.0	2.32	21.6	2.34
	30	54.0	15.3	1.99	16.6	2.32	18.0	2.70	19.6	3.04	20.2	3.12	21.0	3.19	21.6	3.24
		67.5	15.3	1.95	16.6	2.28	18.0	2.65	19.6	2.99	20.2	3.06	21.0	3.14	21.6	3.19
		135.0	15.3	1.80	16.6	2.13	18.0	2.49	19.6	2.80	20.2	2.86	21.0	2.94	21.6	2.98
		168.8	15.3	1.75	16.6	2.08	18.0	2.43	19.6	2.74	20.2	2.81	21.0	2.88	21.6	2.91
		202.5	15.3	1.72	16.6	2.06	18.0	2.41	19.6	2.72	20.2	2.78	21.0	2.85	21.6	2.88
	35	54.0	15.3	2.22	16.6	2.57	18.0	3.00	19.6	3.38	20.2	3.46	21.0	3.54	21.6	3.60
		67.5	15.3	2.17	16.6	2.53	18.0	2.95	19.6	3.32	20.2	3.40	21.0	3.48	21.6	3.55
		135.0	15.3	2.00	16.6	2.37	18.0	2.76	19.6	3.11	20.2	3.18	21.0	3.26	21.6	3.32
		168.8	15.3	1.94	16.6	2.32	18.0	2.70	19.6	3.05	20.2	3.12	21.0	3.20	21.6	3.23
		202.5	15.3	1.92	16.6	2.29	18.0	2.67	19.6	3.02	20.2	3.09	21.0	3.17	21.6	3.19
	40	54.0	15.3	2.63	16.6	3.05	18.0	3.55	19.6	4.00	20.2	4.09	21.0	4.19	21.6	4.27
		67.5	15.3	2.57	16.6	3.00	18.0	3.49	19.6	3.94	20.2	4.03	21.0	4.12	21.6	4.21
		135.0	15.3	2.36	16.6	2.81	18.0	3.27	19.6	3.68	20.2	3.77	21.0	3.87	21.6	3.93
		168.8	15.3	2.30	16.6	2.74	18.0	3.20	19.6	3.61	20.2	3.70	21.0	3.79	21.6	3.83
		202.5	15.3	2.27	16.6	2.71	18.0	3.16	19.6	3.57	20.2	3.66	21.0	3.75	21.6	3.78
	45	54.0	15.3	3.04	16.6	3.53	18.0	4.10	19.6	4.63	20.2	4.72	21.0	4.84	21.6	4.95
		67.5	15.3	2.98	16.6	3.47	18.0	4.04	19.6	4.55	20.2	4.65	21.0	4.77	21.6	4.86
		135.0	15.3	2.73	16.6	3.24	18.0	3.78	19.6	4.25	20.2	4.36	21.0	4.47	21.6	4.53
		168.8	15.3	2.65	16.6	3.17	18.0	3.70	19.6	4.17	20.2	4.28	21.0	4.37	21.6	4.43
		202.5	15.3	2.62	16.6	3.14	18.0	3.66	19.6	4.13	20.2	4.24	21.0	4.33	21.6	4.37

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(16HP)

ARWN160LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	61.6	41.7	2.73	45.1	3.21	49.1	3.74	53.3	4.19	55.0	4.28	57.1	4.42	58.7	4.48
		77.0	41.7	2.69	45.1	3.15	49.1	3.67	53.3	4.12	55.0	4.22	57.1	4.35	58.7	4.42
		154.0	41.7	2.49	45.1	2.92	49.1	3.42	53.3	3.85	55.0	3.97	57.1	4.05	58.7	4.15
		192.5	41.7	2.42	45.1	2.88	49.1	3.36	53.3	3.77	55.0	3.88	57.1	3.98	58.7	4.03
		231.0	41.7	2.38	45.1	2.86	49.1	3.33	53.3	3.72	55.0	3.84	57.1	3.95	58.7	3.98
	15	61.6	41.0	3.61	44.4	4.20	48.3	4.90	52.5	5.50	54.1	5.63	56.2	5.78	57.8	5.88
		77.0	41.0	3.54	44.4	4.13	48.3	4.82	52.5	5.41	54.1	5.54	56.2	5.69	57.8	5.79
		154.0	41.0	3.26	44.4	3.86	48.3	4.50	52.5	5.06	54.1	5.20	56.2	5.33	57.8	5.44
		192.5	41.0	3.17	44.4	3.78	48.3	4.41	52.5	4.96	54.1	5.09	56.2	5.22	57.8	5.31
		231.0	41.0	3.13	44.4	3.75	48.3	4.37	52.5	4.91	54.1	5.04	56.2	5.17	57.8	5.25
	20	61.6	40.4	4.38	43.7	5.09	47.6	5.93	51.8	6.67	53.3	6.83	55.4	6.99	56.9	7.12
		77.0	40.4	4.29	43.7	5.01	47.6	5.84	51.8	6.56	53.3	6.72	55.4	6.88	56.9	7.01
		154.0	40.4	3.94	43.7	4.69	47.6	5.46	51.8	6.14	53.3	6.29	55.4	6.46	56.9	6.59
		192.5	40.4	3.84	43.7	4.58	47.6	5.34	51.8	6.03	53.3	6.17	55.4	6.33	56.9	6.45
		231.0	40.4	3.79	43.7	4.53	47.6	5.28	51.8	5.97	53.3	6.11	55.4	6.26	56.9	6.37
	25	61.6	40.4	5.40	43.7	6.27	47.6	7.31	51.8	8.24	53.3	8.43	55.4	8.63	56.9	8.78
		77.0	40.4	5.30	43.7	6.17	47.6	7.19	51.8	8.11	53.3	8.30	55.4	8.50	56.9	8.64
		154.0	40.4	4.88	43.7	5.78	47.6	6.72	51.8	7.57	53.3	7.76	55.4	7.98	56.9	8.12
		192.5	40.4	4.73	43.7	5.65	47.6	6.59	51.8	7.42	53.3	7.61	55.4	7.82	56.9	7.95
		231.0	40.4	4.66	43.7	5.58	47.6	6.53	51.8	7.35	53.3	7.54	55.4	7.73	56.9	7.86
	30	61.6	40.4	6.49	43.7	7.53	47.6	8.77	51.8	9.88	53.3	10.12	55.4	10.36	56.9	10.53
		77.0	40.4	6.36	43.7	7.41	47.6	8.63	51.8	9.72	53.3	9.95	55.4	10.20	56.9	10.38
		154.0	40.4	5.84	43.7	6.93	47.6	8.08	51.8	9.08	53.3	9.31	55.4	9.56	56.9	9.75
		192.5	40.4	5.68	43.7	6.78	47.6	7.90	51.8	8.91	53.3	9.14	55.4	9.37	56.9	9.53
		231.0	40.4	5.60	43.7	6.71	47.6	7.81	51.8	8.82	53.3	9.05	55.4	9.28	56.9	9.42
	35	61.6	36.3	6.55	39.3	7.62	42.8	8.88	46.6	9.98	48.0	10.24	49.8	10.48	51.2	10.65
		77.0	36.3	6.42	39.3	7.50	42.8	8.73	46.6	9.82	48.0	10.07	49.8	10.32	51.2	10.49
		154.0	36.3	5.91	39.3	7.00	42.8	8.16	46.6	9.20	48.0	9.42	49.8	9.66	51.2	9.87
		192.5	36.3	5.75	39.3	6.85	42.8	7.99	46.6	9.01	48.0	9.24	49.8	9.47	51.2	9.63
		231.0	36.3	5.67	39.3	6.78	42.8	7.90	46.6	8.91	48.0	9.15	49.8	9.38	51.2	9.52
	40	61.6	32.3	6.92	35.0	8.03	38.1	9.36	41.4	10.53	42.7	10.78	44.3	11.04	45.5	11.24
		77.0	32.3	6.78	35.0	7.90	38.1	9.21	41.4	10.36	42.7	10.61	44.3	10.87	45.5	11.08
		154.0	32.3	6.23	35.0	7.39	38.1	8.62	41.4	9.69	42.7	9.94	44.3	10.20	45.5	10.41
		192.5	32.3	6.05	35.0	7.23	38.1	8.43	41.4	9.50	42.7	9.75	44.3	10.00	45.5	10.17
		231.0	32.3	5.97	35.0	7.15	38.1	8.33	41.4	9.41	42.7	9.66	44.3	9.90	45.5	10.06
	45	61.6	28.2	7.30	30.6	8.44	33.3	9.85	36.2	11.08	37.3	11.32	38.7	11.60	39.8	11.84
		77.0	28.2	7.15	30.6	8.31	33.3	9.69	36.2	10.90	37.3	11.15	38.7	11.42	39.8	11.66
		154.0	28.2	6.55	30.6	7.79	33.3	9.07	36.2	10.19	37.3	10.46	38.7	10.74	39.8	10.94
		192.5	28.2	6.36	30.6	7.61	33.3	8.86	36.2	10.00	37.3	10.26	38.7	10.52	39.8	10.71
		231.0	28.2	6.26	30.6	7.52	33.3	8.76	36.2	9.90	37.3	10.16	38.7	10.41	39.8	10.59
120	10	61.6	39.4	2.61	42.7	3.04	46.5	3.52	50.5	3.97	52.0	4.09	54.1	4.19	55.6	4.24
		77.0	39.4	2.56	42.7	2.99	46.5	3.47	50.5	3.90	52.0	4.02	54.1	4.12	55.6	4.17
		154.0	39.4	2.34	42.7	2.80	46.5	3.26	50.5	3.65	52.0	3.73	54.1	3.83	55.6	3.92
		192.5	39.4	2.27	42.7	2.71	46.5	3.19	50.5	3.57	52.0	3.68	54.1	3.76	55.6	3.83
		231.0	39.4	2.24	42.7	2.66	46.5	3.15	50.5	3.52	52.0	3.65	54.1	3.73	55.6	3.79
	15	61.6	39.0	3.46	42.2	4.02	46.0	4.67	49.9	5.27	51.4	5.40	53.4	5.53	54.9	5.61
		77.0	39.0	3.39	42.2	3.96	46.0	4.60	49.9	5.18	51.4	5.31	53.4	5.44	54.9	5.53
		154.0	39.0	3.11	42.2	3.70	46.0	4.31	49.9	4.85	51.4	4.96	53.4	5.09	54.9	5.20
		192.5	39.0	3.03	42.2	3.61	46.0	4.22	49.9	4.74	51.4	4.88	53.4	4.99	54.9	5.08
		231.0	39.0	2.98	42.2	3.57	46.0	4.18	49.9	4.69	51.4	4.83	53.4	4.94	54.9	5.02
	20	61.6	38.5	4.22	41.8	4.90	45.5	5.70	49.4	6.42	50.9	6.56	52.9	6.72	54.4	6.84
		77.0	38.5	4.13	41.8	4.82	45.5	5.60	49.4	6.32	50.9	6.46	52.9	6.62	54.4	6.74
		154.0	38.5	3.80	41.8	4.50	45.5	5.24	49.4	5.91	50.9	6.05	52.9	6.21	54.4	6.33
		192.5	38.5	3.70	41.8	4.41	45.5	5.14	49.4	5.79	50.9	5.94	52.9	6.08	54.4	6.19
		231.0	38.5	3.65	41.8	4.37	45.5	5.09	49.4	5.73	50.9	5.88	52.9	6.02	54.4	6.11
	25	61.6	38.5	5.18	41.8	6.02	45.5	7.01	49.4	7.88	50.9	8.07	52.9	8.28	54.4	8.42
		77.0	38.5	5.08	41.8	5.92	45.5	6.90	49.4	7.76	50.9	7.95	52.9	8.15	54.4	8.30
		154.0	38.5	4.67	41.8	5.53	45.5	6.45	49.4	7.26	50.9	7.44	52.9	7.63	54.4	7.79
		192.5	38.5	4.54	41.8	5.41	45.5	6.32	49.4	7.12	50.9	7.29	52.9	7.48	54.4	7.60
		231.0	38.5	4.47	41.8	5.36	45.5	6.25	49.4	7.04	50.9	7.22	52.9	7.41	54.4	7.50
	30	61.6	38.5	6.25	41.8	7.28	45.5	8.48	49.4	9.54	50.9	9.76	52.9	10.01	54.4	10.19
		77.0	38.5	6.13	41.8	7.16	45.5	8.34	49.4	9.39	50.9	9.61	52.9	9.85	54.4	10.03
		154.0	38.5	5.65	41.8	6.69	45.5	7.79	49.4	8.78	50.9	8.99	52.9	9.23	54.4	9.40
		192.5	38.5	5.49	41.8	6.55	45.5	7.63	49.4	8.60	50.9	8.82	52.9	9.05	54.4	9.18
		231.0	38.5	5.41	41.8	6.48	45.5	7.55	49.4	8.51	50.9	8.73	52.9	8.96	54.4	9.07

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	61.6	35.3	6.42	38.2	7.46	41.6	8.68	45.2	9.78	46.6	10.01	48.4	10.24	49.8	10.44
		77.0	35.3	6.29	38.2	7.34	41.6	8.54	45.2	9.62	46.6	9.85	48.4	10.09	49.8	10.27
		154.0	35.3	5.78	38.2	6.85	41.6	7.99	45.2	8.99	46.6	9.21	48.4	9.46	49.8	9.63
		192.5	35.3	5.62	38.2	6.71	41.6	7.83	45.2	8.82	46.6	9.04	48.4	9.27	49.8	9.42
		231.0	35.3	5.54	38.2	6.64	41.6	7.75	45.2	8.73	46.6	8.95	48.4	9.18	49.8	9.31
	40	61.6	32.0	6.90	34.7	8.02	37.7	9.35	41.1	10.52	42.3	10.77	43.9	11.03	45.1	11.23
		77.0	32.0	6.77	34.7	7.89	37.7	9.20	41.1	10.35	42.3	10.60	43.9	10.86	45.1	11.06
		154.0	32.0	6.23	34.7	7.38	37.7	8.60	41.1	9.68	42.3	9.91	43.9	10.17	45.1	10.38
		192.5	32.0	6.05	34.7	7.22	37.7	8.43	41.1	9.49	42.3	9.74	43.9	9.98	45.1	10.13
		231.0	32.0	5.97	34.7	7.14	37.7	8.34	41.1	9.39	42.3	9.65	43.9	9.89	45.1	10.00
	45	61.6	28.7	7.39	31.1	8.58	33.9	10.01	36.9	11.26	38.0	11.52	39.4	11.82	40.5	12.03
		77.0	28.7	7.25	31.1	8.44	33.9	9.85	36.9	11.08	38.0	11.34	39.4	11.63	40.5	11.85
		154.0	28.7	6.68	31.1	7.90	33.9	9.21	36.9	10.36	38.0	10.61	39.4	10.89	40.5	11.12
		192.5	28.7	6.49	31.1	7.73	33.9	9.02	36.9	10.16	38.0	10.43	39.4	10.70	40.5	10.84
		231.0	28.7	6.40	31.1	7.64	33.9	8.93	36.9	10.06	38.0	10.35	39.4	10.60	40.5	10.70
110	10	61.6	37.2	2.46	40.3	2.85	43.8	3.34	47.6	3.75	49.0	3.83	51.0	3.95	52.4	4.00
		77.0	37.2	2.41	40.3	2.80	43.8	3.28	47.6	3.69	49.0	3.77	51.0	3.89	52.4	3.94
		154.0	37.2	2.22	40.3	2.62	43.8	3.06	47.6	3.45	49.0	3.55	51.0	3.63	52.4	3.69
		192.5	37.2	2.16	40.3	2.57	43.8	2.99	47.6	3.39	49.0	3.45	51.0	3.56	52.4	3.60
		231.0	37.2	2.13	40.3	2.54	43.8	2.95	47.6	3.37	49.0	3.40	51.0	3.53	52.4	3.56
	15	61.6	37.0	3.30	40.0	3.83	43.6	4.47	47.4	5.03	48.8	5.15	50.7	5.28	52.1	5.37
		77.0	37.0	3.23	40.0	3.77	43.6	4.40	47.4	4.95	48.8	5.06	50.7	5.20	52.1	5.28
		154.0	37.0	2.97	40.0	3.52	43.6	4.10	47.4	4.63	48.8	4.74	50.7	4.86	52.1	4.95
		192.5	37.0	2.90	40.0	3.45	43.6	4.02	47.4	4.54	48.8	4.64	50.7	4.77	52.1	4.83
		231.0	37.0	2.86	40.0	3.41	43.6	3.97	47.4	4.50	48.8	4.59	50.7	4.73	52.1	4.77
	20	61.6	36.8	4.04	39.8	4.71	43.4	5.47	47.1	6.17	48.5	6.32	50.4	6.46	51.9	6.58
		77.0	36.8	3.96	39.8	4.63	43.4	5.38	47.1	6.07	48.5	6.21	50.4	6.36	51.9	6.48
		154.0	36.8	3.64	39.8	4.32	43.4	5.04	47.1	5.68	48.5	5.81	50.4	5.95	51.9	6.07
		192.5	36.8	3.55	39.8	4.24	43.4	4.93	47.1	5.56	48.5	5.71	50.4	5.85	51.9	5.92
		231.0	36.8	3.51	39.8	4.19	43.4	4.88	47.1	5.50	48.5	5.65	50.4	5.80	51.9	5.85
	25	61.6	36.8	4.94	39.8	5.75	43.4	6.70	47.1	7.54	48.5	7.72	50.4	7.91	51.9	8.06
		77.0	36.8	4.85	39.8	5.66	43.4	6.59	47.1	7.42	48.5	7.60	50.4	7.79	51.9	7.93
		154.0	36.8	4.47	39.8	5.30	43.4	6.17	47.1	6.94	48.5	7.12	50.4	7.29	51.9	7.44
		192.5	36.8	4.34	39.8	5.18	43.4	6.04	47.1	6.81	48.5	6.97	50.4	7.16	51.9	7.25
		231.0	36.8	4.27	39.8	5.12	43.4	5.97	47.1	6.75	48.5	6.90	50.4	7.09	51.9	7.15
	30	61.6	36.8	6.03	39.8	7.01	43.4	8.17	47.1	9.20	48.5	9.42	50.4	9.64	51.9	9.82
		77.0	36.8	5.91	39.8	6.90	43.4	8.03	47.1	9.05	48.5	9.27	50.4	9.49	51.9	9.66
		154.0	36.8	5.44	39.8	6.45	43.4	7.51	47.1	8.46	48.5	8.67	50.4	8.89	51.9	9.05
		192.5	36.8	5.30	39.8	6.32	43.4	7.36	47.1	8.30	48.5	8.50	50.4	8.72	51.9	8.83
		231.0	36.8	5.22	39.8	6.25	43.4	7.29	47.1	8.21	48.5	8.41	50.4	8.63	51.9	8.72
	35	61.6	34.2	6.28	37.1	7.29	40.4	8.49	43.9	9.57	45.2	9.79	47.0	10.03	48.3	10.22
		77.0	34.2	6.16	37.1	7.17	40.4	8.35	43.9	9.42	45.2	9.63	47.0	9.87	48.3	10.06
		154.0	34.2	5.66	37.1	6.71	40.4	7.82	43.9	8.80	45.2	9.01	47.0	9.24	48.3	9.42
		192.5	34.2	5.50	37.1	6.56	40.4	7.66	43.9	8.63	45.2	8.85	47.0	9.07	48.3	9.18
		231.0	34.2	5.42	37.1	6.49	40.4	7.57	43.9	8.54	45.2	8.77	47.0	8.98	48.3	9.07
	40	61.6	31.7	6.89	34.4	8.02	37.4	9.33	40.7	10.50	41.9	10.75	43.5	11.02	44.8	11.22
		77.0	31.7	6.75	34.4	7.89	37.4	9.18	40.7	10.33	41.9	10.58	43.5	10.84	44.8	11.05
		154.0	31.7	6.21	34.4	7.36	37.4	8.59	40.7	9.66	41.9	9.90	43.5	10.16	44.8	10.35
		192.5	31.7	6.04	34.4	7.20	37.4	8.41	40.7	9.47	41.9	9.72	43.5	9.97	44.8	10.09
		231.0	31.7	5.95	34.4	7.12	37.4	8.32	40.7	9.38	41.9	9.63	43.5	9.87	44.8	9.95
	45	61.6	29.2	7.50	31.7	8.75	34.4	10.18	37.5	11.43	38.6	11.71	40.1	12.00	41.2	12.23
		77.0	29.2	7.35	31.7	8.60	34.4	10.01	37.5	11.25	38.6	11.53	40.1	11.82	41.2	12.04
		154.0	29.2	6.77	31.7	8.02	34.4	9.36	37.5	10.52	38.6	10.78	40.1	11.08	41.2	11.28
		192.5	29.2	6.58	31.7	7.84	34.4	9.17	37.5	10.32	38.6	10.60	40.1	10.87	41.2	10.99
		231.0	29.2	6.48	31.7	7.76	34.4	9.07	37.5	10.22	38.6	10.50	40.1	10.77	41.2	10.84
100	10	61.6	34.9	2.33	37.8	2.71	41.2	3.11	44.8	3.54	46.2	3.59	47.9	3.71	49.3	3.79
		77.0	34.9	2.28	37.8	2.66	41.2	3.06	44.8	3.49	46.2	3.54	47.9	3.65	49.3	3.73
		154.0	34.9	2.10	37.8	2.48	41.2	2.88	44.8	3.26	46.2	3.33	47.9	3.42	49.3	3.49
		192.5	34.9	2.03	37.8	2.42	41.2	2.81	44.8	3.19	46.2	3.26	47.9	3.35	49.3	3.37
		231.0	34.9	1.99	37.8	2.39	41.2	2.78	44.8	3.16	46.2	3.23	47.9	3.31	49.3	3.32
	15	61.6	34.9	3.15	37.8	3.65	41.2	4.24	44.8	4.79	46.2	4.89	47.9	5.03	49.3	5.12
		77.0	34.9	3.09	37.8	3.59	41.2	4.18	44.8	4.72	46.2	4.82	47.9	4.95	49.3	5.04
		154.0	34.9	2.84	37.8	3.36	41.2	3.91	44.8	4.41	46.2	4.51	47.9	4.63	49.3	4.72
		192.5	34.9	2.75	37.8	3.29	41.2	3.83	44.8	4.32	46.2	4.42	47.9	4.54	49.3	4.58
		231.0	34.9	2.71	37.8	3.25	41.2	3.78	44.8	4.28	46.2	4.38	47.9	4.50	49.3	4.52

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.

2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	61.6	34.9	3.88	37.8	4.49	41.2	5.25	44.8	5.90	46.2	6.05	47.9	6.20	49.3	6.30
		77.0	34.9	3.80	37.8	4.42	41.2	5.17	44.8	5.81	46.2	5.95	47.9	6.10	49.3	6.20
		154.0	34.9	3.49	37.8	4.15	41.2	4.83	44.8	5.43	46.2	5.56	47.9	5.71	49.3	5.81
		192.5	34.9	3.39	37.8	4.06	41.2	4.73	44.8	5.33	46.2	5.46	47.9	5.60	49.3	5.66
		231.0	34.9	3.34	37.8	4.02	41.2	4.68	44.8	5.28	46.2	5.41	47.9	5.55	49.3	5.59
	25	61.6	34.9	4.72	37.8	5.49	41.2	6.39	44.8	7.21	46.2	7.38	47.9	7.56	49.3	7.69
		77.0	34.9	4.63	37.8	5.40	41.2	6.29	44.8	7.09	46.2	7.26	47.9	7.44	49.3	7.57
		154.0	34.9	4.26	37.8	5.05	41.2	5.88	44.8	6.62	46.2	6.78	47.9	6.96	49.3	7.09
		192.5	34.9	4.15	37.8	4.95	41.2	5.76	44.8	6.49	46.2	6.65	47.9	6.83	49.3	6.90
		231.0	34.9	4.09	37.8	4.90	41.2	5.70	44.8	6.42	46.2	6.58	47.9	6.76	49.3	6.80
	30	61.6	34.9	5.80	37.8	6.76	41.2	7.87	44.8	8.86	46.2	9.07	47.9	9.29	49.3	9.47
		77.0	34.9	5.69	37.8	6.65	41.2	7.74	44.8	8.72	46.2	8.92	47.9	9.14	49.3	9.31
		154.0	34.9	5.24	37.8	6.21	41.2	7.23	44.8	8.15	46.2	8.34	47.9	8.56	49.3	8.72
		192.5	34.9	5.09	37.8	6.08	41.2	7.09	44.8	7.99	46.2	8.19	47.9	8.40	49.3	8.48
		231.0	34.9	5.02	37.8	6.02	41.2	7.01	44.8	7.91	46.2	8.12	47.9	8.32	49.3	8.37
	35	61.6	33.2	6.13	36.0	7.13	39.1	8.30	42.6	9.35	43.8	9.57	45.5	9.80	46.8	9.98
		77.0	33.2	6.01	36.0	7.01	39.1	8.16	42.6	9.20	43.8	9.42	45.5	9.65	46.8	9.82
		154.0	33.2	5.53	36.0	6.56	39.1	7.64	42.6	8.60	43.8	8.80	45.5	9.04	46.8	9.20
		192.5	33.2	5.38	36.0	6.42	39.1	7.48	42.6	8.44	43.8	8.64	45.5	8.86	46.8	8.95
		231.0	33.2	5.31	36.0	6.34	39.1	7.40	42.6	8.36	43.8	8.56	45.5	8.78	46.8	8.83
	40	61.6	31.4	6.89	34.1	8.00	37.1	9.32	40.3	10.49	41.5	10.74	43.2	11.00	44.3	11.19
		77.0	31.4	6.75	34.1	7.87	37.1	9.17	40.3	10.32	41.5	10.57	43.2	10.83	44.3	11.02
		154.0	31.4	6.20	34.1	7.36	37.1	8.57	40.3	9.65	41.5	9.88	43.2	10.13	44.3	10.32
		192.5	31.4	6.04	34.1	7.20	37.1	8.40	40.3	9.46	41.5	9.69	43.2	9.94	44.3	10.04
		231.0	31.4	5.96	34.1	7.12	37.1	8.31	40.3	9.36	41.5	9.60	43.2	9.84	44.3	9.90
	45	61.6	29.7	7.65	32.1	8.88	35.0	10.34	38.1	11.63	39.2	11.91	40.8	12.21	41.9	12.41
		77.0	29.7	7.50	32.1	8.73	35.0	10.17	38.1	11.44	39.2	11.72	40.8	12.01	41.9	12.21
		154.0	29.7	6.87	32.1	8.16	35.0	9.50	38.1	10.70	39.2	10.96	40.8	11.22	41.9	11.44
		192.5	29.7	6.69	32.1	7.99	35.0	9.31	38.1	10.48	39.2	10.74	40.8	11.02	41.9	11.13
		231.0	29.7	6.61	32.1	7.90	35.0	9.22	38.1	10.37	39.2	10.63	40.8	10.91	41.9	10.98
90	10	61.6	31.4	1.98	34.1	2.30	37.1	2.69	40.3	3.04	41.5	3.10	43.2	3.16	44.3	3.26
		77.0	31.4	1.94	34.1	2.27	37.1	2.65	40.3	3.00	41.5	3.05	43.2	3.12	44.3	3.21
		154.0	31.4	1.81	34.1	2.14	37.1	2.48	40.3	2.82	41.5	2.87	43.2	2.96	44.3	3.00
		192.5	31.4	1.75	34.1	2.07	37.1	2.44	40.3	2.73	41.5	2.81	43.2	2.90	44.3	2.90
		231.0	31.4	1.72	34.1	2.03	37.1	2.41	40.3	2.68	41.5	2.79	43.2	2.87	44.3	2.85
	15	61.6	31.4	2.70	34.1	3.13	37.1	3.65	40.3	4.13	41.5	4.21	43.2	4.32	44.3	4.41
		77.0	31.4	2.65	34.1	3.09	37.1	3.59	40.3	4.06	41.5	4.15	43.2	4.25	44.3	4.34
		154.0	31.4	2.45	34.1	2.90	37.1	3.36	40.3	3.80	41.5	3.89	43.2	3.99	44.3	4.06
		192.5	31.4	2.37	34.1	2.82	37.1	3.30	40.3	3.71	41.5	3.81	43.2	3.91	44.3	3.94
		231.0	31.4	2.34	34.1	2.79	37.1	3.27	40.3	3.67	41.5	3.78	43.2	3.88	44.3	3.89
	20	61.6	31.4	3.34	34.1	3.88	37.1	4.51	40.3	5.09	41.5	5.21	43.2	5.34	44.3	5.43
		77.0	31.4	3.27	34.1	3.81	37.1	4.44	40.3	5.01	41.5	5.12	43.2	5.25	44.3	5.34
		154.0	31.4	3.01	34.1	3.57	37.1	4.15	40.3	4.67	41.5	4.79	43.2	4.90	44.3	5.01
		192.5	31.4	2.93	34.1	3.49	37.1	4.08	40.3	4.58	41.5	4.70	43.2	4.82	44.3	4.88
		231.0	31.4	2.88	34.1	3.46	37.1	4.04	40.3	4.54	41.5	4.66	43.2	4.77	44.3	4.81
	25	61.6	31.4	4.07	34.1	4.73	37.1	5.50	40.3	6.20	41.5	6.35	43.2	6.51	44.3	6.63
		77.0	31.4	3.99	34.1	4.66	37.1	5.41	40.3	6.10	41.5	6.24	43.2	6.40	44.3	6.52
		154.0	31.4	3.67	34.1	4.35	37.1	5.06	40.3	5.71	41.5	5.84	43.2	6.00	44.3	6.10
		192.5	31.4	3.57	34.1	4.25	37.1	4.96	40.3	5.59	41.5	5.73	43.2	5.88	44.3	5.94
		231.0	31.4	3.51	34.1	4.20	37.1	4.91	40.3	5.53	41.5	5.68	43.2	5.82	44.3	5.86
	30	61.6	31.4	5.00	34.1	5.82	37.1	6.78	40.3	7.63	41.5	7.81	43.2	8.00	44.3	8.15
		77.0	31.4	4.90	34.1	5.72	37.1	6.67	40.3	7.51	41.5	7.68	43.2	7.87	44.3	8.02
		154.0	31.4	4.51	34.1	5.34	37.1	6.23	40.3	7.01	41.5	7.19	43.2	7.36	44.3	7.50
		192.5	31.4	4.38	34.1	5.24	37.1	6.10	40.3	6.88	41.5	7.04	43.2	7.23	44.3	7.31
		231.0	31.4	4.31	34.1	5.19	37.1	6.03	40.3	6.82	41.5	6.97	43.2	7.17	44.3	7.21
	35	61.6	30.6	5.41	33.1	6.27	36.1	7.31	39.2	8.22	40.4	8.42	42.0	8.62	43.1	8.78
		77.0	30.6	5.30	33.1	6.17	36.1	7.19	39.2	8.09	40.4	8.28	42.0	8.48	43.1	8.64
		154.0	30.6	4.86	33.1	5.76	36.1	6.72	39.2	7.57	40.4	7.74	42.0	7.95	43.1	8.09
		192.5	30.6	4.73	33.1	5.65	36.1	6.58	39.2	7.42	40.4	7.61	42.0	7.80	43.1	7.87
		231.0	30.6	4.66	33.1	5.59	36.1	6.50	39.2	7.35	40.4	7.55	42.0	7.73	43.1	7.76
	40	61.6	29.7	6.21	32.2	7.21	35.0	8.38	38.1	9.45	39.2	9.67	40.7	9.91	41.9	10.08
		77.0	29.7	6.08	32.2	7.09	35.0	8.25	38.1	9.30	39.2	9.52	40.7	9.75	41.9	9.93
		154.0	29.7	5.59	32.2	6.62	35.0	7.73	38.1	8.69	39.2	8.91	40.7	9.13	41.9	9.30
		192.5	29.7	5.43	32.2	6.49	35.0	7.57	38.1	8.53	39.2	8.73	40.7	8.97	41.9	9.05
		231.0	29.7	5.35	32.2	6.42	35.0	7.49	38.1	8.45	39.2	8.64	40.7	8.88	41.9	8.93

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	61.6	28.8	7.01	31.3	8.14	34.0	9.46	37.0	10.68	38.1	10.93	39.5	11.20	40.7	11.38
		77.0	28.8	6.87	31.3	8.00	34.0	9.31	37.0	10.51	38.1	10.76	39.5	11.02	40.7	11.21
		154.0	28.8	6.32	31.3	7.48	34.0	8.73	37.0	9.81	38.1	10.07	39.5	10.30	40.7	10.51
		192.5	28.8	6.13	31.3	7.34	34.0	8.56	37.0	9.63	38.1	9.85	39.5	10.13	40.7	10.23
		231.0	28.8	6.03	31.3	7.26	34.0	8.47	37.0	9.55	38.1	9.74	39.5	10.04	40.7	10.09
80	10	61.6	27.9	1.69	30.3	1.93	33.0	2.24	35.8	2.57	36.9	2.60	38.4	2.68	39.4	2.70
		77.0	27.9	1.65	30.3	1.90	33.0	2.21	35.8	2.52	36.9	2.56	38.4	2.63	39.4	2.66
		154.0	27.9	1.50	30.3	1.81	33.0	2.09	35.8	2.34	36.9	2.41	38.4	2.45	39.4	2.49
		192.5	27.9	1.49	30.3	1.75	33.0	2.04	35.8	2.30	36.9	2.34	38.4	2.41	39.4	2.44
		231.0	27.9	1.48	30.3	1.72	33.0	2.02	35.8	2.27	36.9	2.30	38.4	2.39	39.4	2.41
	15	61.6	27.9	2.27	30.3	2.63	33.0	3.06	35.8	3.46	36.9	3.53	38.4	3.62	39.4	3.68
		77.0	27.9	2.23	30.3	2.59	33.0	3.01	35.8	3.41	36.9	3.48	38.4	3.57	39.4	3.62
		154.0	27.9	2.04	30.3	2.43	33.0	2.82	35.8	3.17	36.9	3.26	38.4	3.33	39.4	3.39
		192.5	27.9	1.99	30.3	2.37	33.0	2.77	35.8	3.11	36.9	3.19	38.4	3.27	39.4	3.30
		231.0	27.9	1.97	30.3	2.34	33.0	2.74	35.8	3.09	36.9	3.15	38.4	3.25	39.4	3.26
	20	61.6	27.9	2.79	30.3	3.26	33.0	3.79	35.8	4.26	36.9	4.36	38.4	4.47	39.4	4.56
		77.0	27.9	2.74	30.3	3.20	33.0	3.73	35.8	4.19	36.9	4.29	38.4	4.40	39.4	4.48
		154.0	27.9	2.52	30.3	2.98	33.0	3.48	35.8	3.91	36.9	4.02	38.4	4.12	39.4	4.19
		192.5	27.9	2.45	30.3	2.93	33.0	3.41	35.8	3.84	36.9	3.94	38.4	4.05	39.4	4.08
		231.0	27.9	2.41	30.3	2.90	33.0	3.37	35.8	3.81	36.9	3.91	38.4	4.01	39.4	4.02
	25	61.6	27.9	3.42	30.3	3.97	33.0	4.61	35.8	5.19	36.9	5.33	38.4	5.46	39.4	5.55
		77.0	27.9	3.35	30.3	3.90	33.0	4.54	35.8	5.11	36.9	5.24	38.4	5.37	39.4	5.46
		154.0	27.9	3.07	30.3	3.64	33.0	4.25	35.8	4.79	36.9	4.89	38.4	5.02	39.4	5.11
		192.5	27.9	2.98	30.3	3.57	33.0	4.16	35.8	4.69	36.9	4.80	38.4	4.93	39.4	4.98
		231.0	27.9	2.94	30.3	3.53	33.0	4.12	35.8	4.63	36.9	4.76	38.4	4.89	39.4	4.91
	30	61.6	27.9	4.18	30.3	4.87	33.0	5.68	35.8	6.39	36.9	6.54	38.4	6.70	39.4	6.83
		77.0	27.9	4.10	30.3	4.79	33.0	5.59	35.8	6.29	36.9	6.43	38.4	6.59	39.4	6.72
		154.0	27.9	3.78	30.3	4.48	33.0	5.22	35.8	5.88	36.9	6.03	38.4	6.17	39.4	6.29
		192.5	27.9	3.68	30.3	4.38	33.0	5.11	35.8	5.76	36.9	5.91	38.4	6.05	39.4	6.13
		231.0	27.9	3.63	30.3	4.33	33.0	5.05	35.8	5.70	36.9	5.85	38.4	6.00	39.4	6.05
	35	61.6	27.9	4.66	30.3	5.41	33.0	6.30	35.8	7.10	36.9	7.28	38.4	7.46	39.4	7.59
		77.0	27.9	4.57	30.3	5.33	33.0	6.20	35.8	6.99	36.9	7.16	38.4	7.34	39.4	7.47
		154.0	27.9	4.21	30.3	4.98	33.0	5.81	35.8	6.53	36.9	6.69	38.4	6.85	39.4	6.99
		192.5	27.9	4.09	30.3	4.88	33.0	5.69	35.8	6.40	36.9	6.56	38.4	6.74	39.4	6.80
		231.0	27.9	4.03	30.3	4.82	33.0	5.63	35.8	6.34	36.9	6.50	38.4	6.68	39.4	6.70
	40	61.6	27.9	5.52	30.3	6.42	33.0	7.47	35.8	8.42	36.9	8.61	38.4	8.83	39.4	8.98
		77.0	27.9	5.41	30.3	6.32	33.0	7.35	35.8	8.28	36.9	8.47	38.4	8.69	39.4	8.83
		154.0	27.9	4.98	30.3	5.89	33.0	6.87	35.8	7.74	36.9	7.92	38.4	8.12	39.4	8.27
		192.5	27.9	4.83	30.3	5.78	33.0	6.72	35.8	7.58	36.9	7.77	38.4	7.98	39.4	8.05
		231.0	27.9	4.76	30.3	5.72	33.0	6.65	35.8	7.50	36.9	7.70	38.4	7.90	39.4	7.94
	45	61.6	27.9	6.39	30.3	7.43	33.0	8.64	35.8	9.73	36.9	9.94	38.4	10.21	39.4	10.37
		77.0	27.9	6.26	30.3	7.31	33.0	8.50	35.8	9.58	36.9	9.78	38.4	10.04	39.4	10.20
		154.0	27.9	5.75	30.3	6.81	33.0	7.93	35.8	8.95	36.9	9.14	38.4	9.39	39.4	9.55
		192.5	27.9	5.57	30.3	6.68	33.0	7.76	35.8	8.76	36.9	8.98	38.4	9.21	39.4	9.30
		231.0	27.9	5.49	30.3	6.61	33.0	7.67	35.8	8.67	36.9	8.90	38.4	9.12	39.4	9.18
70	10	61.6	24.5	1.38	26.5	1.61	28.9	1.86	31.3	2.10	32.3	2.18	33.5	2.23	34.5	2.24
		77.0	24.5	1.36	26.5	1.58	28.9	1.83	31.3	2.07	32.3	2.14	33.5	2.20	34.5	2.21
		154.0	24.5	1.26	26.5	1.47	28.9	1.72	31.3	1.96	32.3	2.00	33.5	2.06	34.5	2.09
		192.5	24.5	1.23	26.5	1.44	28.9	1.69	31.3	1.90	32.3	1.94	33.5	2.00	34.5	2.03
		231.0	24.5	1.22	26.5	1.43	28.9	1.68	31.3	1.87	32.3	1.92	33.5	1.97	34.5	2.00
	15	61.6	24.5	1.89	26.5	2.19	28.9	2.54	31.3	2.87	32.3	2.94	33.5	3.02	34.5	3.06
		77.0	24.5	1.85	26.5	2.15	28.9	2.50	31.3	2.82	32.3	2.90	33.5	2.97	34.5	3.01
		154.0	24.5	1.70	26.5	2.01	28.9	2.34	31.3	2.65	32.3	2.71	33.5	2.78	34.5	2.82
		192.5	24.5	1.66	26.5	1.96	28.9	2.30	31.3	2.59	32.3	2.65	33.5	2.72	34.5	2.75
		231.0	24.5	1.64	26.5	1.94	28.9	2.28	31.3	2.56	32.3	2.62	33.5	2.69	34.5	2.71
	20	61.6	24.5	2.33	26.5	2.71	28.9	3.15	31.3	3.55	32.3	3.62	33.5	3.71	34.5	3.79
		77.0	24.5	2.28	26.5	2.66	28.9	3.10	31.3	3.49	32.3	3.57	33.5	3.65	34.5	3.73
		154.0	24.5	2.10	26.5	2.49	28.9	2.90	31.3	3.26	32.3	3.33	33.5	3.42	34.5	3.48
		192.5	24.5	2.04	26.5	2.43	28.9	2.84	31.3	3.20	32.3	3.27	33.5	3.36	34.5	3.39
		231.0	24.5	2.01	26.5	2.40	28.9	2.81	31.3	3.17	32.3	3.25	33.5	3.33	34.5	3.35
	25	61.6	24.5	2.83	26.5	3.30	28.9	3.83	31.3	4.32	32.3	4.42	33.5	4.52	34.5	4.61
		77.0	24.5	2.78	26.5	3.25	28.9	3.77	31.3	4.25	32.3	4.35	33.5	4.45	34.5	4.54
		154.0	24.5	2.56	26.5	3.03	28.9	3.54	31.3	3.97	32.3	4.08	33.5	4.18	34.5	4.25
		192.5	24.5	2.49	26.5	2.97	28.9	3.46	31.3	3.90	32.3	3.99	33.5	4.09	34.5	4.13
		231.0	24.5	2.45	26.5	2.94	28.9	3.43	31.3	3.86	32.3	3.94	33.5	4.05	34.5	4.07

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	61.6	24.5	3.49	26.5	4.05	28.9	4.72	31.3	5.31	32.3	5.44	33.5	5.57	34.5	5.68
		77.0	24.5	3.42	26.5	3.99	28.9	4.64	31.3	5.22	32.3	5.36	33.5	5.49	34.5	5.59
		154.0	24.5	3.14	26.5	3.73	28.9	4.34	31.3	4.89	32.3	5.01	33.5	5.14	34.5	5.22
		192.5	24.5	3.06	26.5	3.65	28.9	4.25	31.3	4.79	32.3	4.92	33.5	5.04	34.5	5.09
		231.0	24.5	3.01	26.5	3.62	28.9	4.21	31.3	4.74	32.3	4.88	33.5	4.98	34.5	5.03
	35	61.6	24.5	3.88	26.5	4.49	28.9	5.25	31.3	5.90	32.3	6.05	33.5	6.20	34.5	6.30
		77.0	24.5	3.80	26.5	4.42	28.9	5.17	31.3	5.81	32.3	5.95	33.5	6.10	34.5	6.20
		154.0	24.5	3.49	26.5	4.15	28.9	4.82	31.3	5.43	32.3	5.56	33.5	5.71	34.5	5.81
		192.5	24.5	3.39	26.5	4.05	28.9	4.73	31.3	5.33	32.3	5.46	33.5	5.60	34.5	5.66
		231.0	24.5	3.34	26.5	3.99	28.9	4.69	31.3	5.28	32.3	5.41	33.5	5.55	34.5	5.59
	40	61.6	24.5	4.59	26.5	5.32	28.9	6.21	31.3	7.00	32.3	7.16	33.5	7.34	34.5	7.47
		77.0	24.5	4.50	26.5	5.24	28.9	6.11	31.3	6.88	32.3	7.04	33.5	7.22	34.5	7.35
		154.0	24.5	4.13	26.5	4.90	28.9	5.72	31.3	6.43	32.3	6.59	33.5	6.75	34.5	6.88
		192.5	24.5	4.02	26.5	4.80	28.9	5.59	31.3	6.30	32.3	6.46	33.5	6.64	34.5	6.69
		231.0	24.5	3.96	26.5	4.75	28.9	5.52	31.3	6.24	32.3	6.40	33.5	6.58	34.5	6.60
	45	61.6	24.5	5.30	26.5	6.15	28.9	7.17	31.3	8.09	32.3	8.26	33.5	8.48	34.5	8.64
		77.0	24.5	5.20	26.5	6.05	28.9	7.06	31.3	7.96	32.3	8.14	33.5	8.34	34.5	8.50
		154.0	24.5	4.77	26.5	5.66	28.9	6.62	31.3	7.44	32.3	7.63	33.5	7.80	34.5	7.96
		192.5	24.5	4.64	26.5	5.56	28.9	6.45	31.3	7.28	32.3	7.47	33.5	7.67	34.5	7.73
		231.0	24.5	4.58	26.5	5.51	28.9	6.36	31.3	7.20	32.3	7.39	33.5	7.60	34.5	7.61
60	10	61.6	21.0	1.10	22.7	1.28	24.7	1.47	26.9	1.69	27.7	1.74	28.8	1.76	29.6	1.79
		77.0	21.0	1.08	22.7	1.26	24.7	1.45	26.9	1.67	27.7	1.71	28.8	1.74	29.6	1.76
		154.0	21.0	0.99	22.7	1.18	24.7	1.39	26.9	1.55	27.7	1.58	28.8	1.64	29.6	1.67
		192.5	21.0	0.95	22.7	1.16	24.7	1.36	26.9	1.53	27.7	1.55	28.8	1.60	29.6	1.62
		231.0	21.0	0.93	22.7	1.16	24.7	1.35	26.9	1.51	27.7	1.54	28.8	1.57	29.6	1.60
	15	61.6	21.0	1.50	22.7	1.75	24.7	2.02	26.9	2.29	27.7	2.35	28.8	2.39	29.6	2.44
		77.0	21.0	1.47	22.7	1.72	24.7	1.99	26.9	2.26	27.7	2.31	28.8	2.36	29.6	2.40
		154.0	21.0	1.35	22.7	1.60	24.7	1.88	26.9	2.11	27.7	2.15	28.8	2.21	29.6	2.26
		192.5	21.0	1.31	22.7	1.57	24.7	1.83	26.9	2.07	27.7	2.11	28.8	2.17	29.6	2.20
		231.0	21.0	1.29	22.7	1.56	24.7	1.81	26.9	2.04	27.7	2.09	28.8	2.15	29.6	2.17
	20	61.6	21.0	1.86	22.7	2.16	24.7	2.51	26.9	2.82	27.7	2.90	28.8	2.96	29.6	3.02
		77.0	21.0	1.82	22.7	2.12	24.7	2.47	26.9	2.78	27.7	2.85	28.8	2.91	29.6	2.97
		154.0	21.0	1.67	22.7	1.98	24.7	2.31	26.9	2.61	27.7	2.66	28.8	2.72	29.6	2.78
		192.5	21.0	1.63	22.7	1.94	24.7	2.26	26.9	2.55	27.7	2.61	28.8	2.68	29.6	2.71
		231.0	21.0	1.61	22.7	1.91	24.7	2.23	26.9	2.52	27.7	2.58	28.8	2.66	29.6	2.67
	25	61.6	21.0	2.26	22.7	2.63	24.7	3.06	26.9	3.45	27.7	3.52	28.8	3.61	29.6	3.68
		77.0	21.0	2.21	22.7	2.59	24.7	3.01	26.9	3.39	27.7	3.46	28.8	3.55	29.6	3.62
		154.0	21.0	2.04	22.7	2.42	24.7	2.81	26.9	3.17	27.7	3.25	28.8	3.33	29.6	3.39
		192.5	21.0	1.98	22.7	2.36	24.7	2.75	26.9	3.10	27.7	3.19	28.8	3.26	29.6	3.30
		231.0	21.0	1.95	22.7	2.33	24.7	2.72	26.9	3.06	27.7	3.16	28.8	3.22	29.6	3.26
	30	61.6	21.0	2.78	22.7	3.22	24.7	3.76	26.9	4.23	27.7	4.33	28.8	4.44	29.6	4.53
		77.0	21.0	2.72	22.7	3.17	24.7	3.70	26.9	4.16	27.7	4.26	28.8	4.37	29.6	4.45
		154.0	21.0	2.50	22.7	2.97	24.7	3.46	26.9	3.90	27.7	3.99	28.8	4.09	29.6	4.16
		192.5	21.0	2.43	22.7	2.91	24.7	3.39	26.9	3.83	27.7	3.91	28.8	4.02	29.6	4.06
		231.0	21.0	2.39	22.7	2.88	24.7	3.35	26.9	3.79	27.7	3.88	28.8	3.98	29.6	4.01
	35	61.6	21.0	3.09	22.7	3.60	24.7	4.19	26.9	4.70	27.7	4.82	28.8	4.94	29.6	5.03
		77.0	21.0	3.03	22.7	3.54	24.7	4.12	26.9	4.63	27.7	4.74	28.8	4.86	29.6	4.95
		154.0	21.0	2.78	22.7	3.30	24.7	3.84	26.9	4.34	27.7	4.44	28.8	4.54	29.6	4.63
		192.5	21.0	2.71	22.7	3.23	24.7	3.77	26.9	4.25	27.7	4.35	28.8	4.47	29.6	4.51
		231.0	21.0	2.67	22.7	3.19	24.7	3.73	26.9	4.21	27.7	4.31	28.8	4.43	29.6	4.45
	40	61.6	21.0	3.65	22.7	4.24	24.7	4.96	26.9	5.58	27.7	5.71	28.8	5.84	29.6	5.96
		77.0	21.0	3.58	22.7	4.18	24.7	4.88	26.9	5.49	27.7	5.62	28.8	5.75	29.6	5.87
		154.0	21.0	3.30	22.7	3.91	24.7	4.56	26.9	5.12	27.7	5.25	28.8	5.38	29.6	5.49
		192.5	21.0	3.20	22.7	3.83	24.7	4.47	26.9	5.02	27.7	5.15	28.8	5.28	29.6	5.34
		231.0	21.0	3.15	22.7	3.78	24.7	4.42	26.9	4.97	27.7	5.10	28.8	5.23	29.6	5.27
	45	61.6	21.0	4.21	22.7	4.89	24.7	5.72	26.9	6.46	27.7	6.60	28.8	6.74	29.6	6.89
		77.0	21.0	4.13	22.7	4.82	24.7	5.63	26.9	6.35	27.7	6.49	28.8	6.64	29.6	6.78
		154.0	21.0	3.83	22.7	4.53	24.7	5.27	26.9	5.91	27.7	6.07	28.8	6.23	29.6	6.35
		192.5	21.0	3.70	22.7	4.42	24.7	5.17	26.9	5.79	27.7	5.95	28.8	6.10	29.6	6.17
		231.0	21.0	3.63	22.7	4.37	24.7	5.12	26.9	5.73	27.7	5.89	28.8	6.03	29.6	6.08
50	10	61.6	17.5	0.81	18.9	0.95	20.6	1.14	22.4	1.25	23.1	1.27	24.0	1.33	24.6	1.34
		77.0	17.5	0.80	18.9	0.94	20.6	1.12	22.4	1.23	23.1	1.26	24.0	1.30	24.6	1.32
		154.0	17.5	0.73	18.9	0.88	20.6	1.04	22.4	1.16	23.1	1.21	24.0	1.20	24.6	1.23
		192.5	17.5	0.71	18.9	0.88	20.6	1.01	22.4	1.13	23.1	1.15	24.0	1.19	24.6	1.19
		231.0	17.5	0.71	18.9	0.89	20.6	0.99	22.4	1.12	23.1	1.12	24.0	1.18	24.6	1.17

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	61.6	17.5	1.11	18.9	1.30	20.6	1.52	22.4	1.70	23.1	1.74	24.0	1.79	24.6	1.82
		77.0	17.5	1.09	18.9	1.28	20.6	1.50	22.4	1.67	23.1	1.72	24.0	1.76	24.6	1.79
		154.0	17.5	1.00	18.9	1.19	20.6	1.40	22.4	1.57	23.1	1.62	24.0	1.64	24.6	1.67
		192.5	17.5	0.98	18.9	1.18	20.6	1.37	22.4	1.54	23.1	1.57	24.0	1.62	24.6	1.63
		231.0	17.5	0.96	18.9	1.17	20.6	1.35	22.4	1.53	23.1	1.55	24.0	1.60	24.6	1.61
	20	61.6	17.5	1.38	18.9	1.62	20.6	1.86	22.4	2.10	23.1	2.16	24.0	2.20	24.6	2.25
		77.0	17.5	1.35	18.9	1.59	20.6	1.83	22.4	2.07	23.1	2.12	24.0	2.17	24.6	2.21
		154.0	17.5	1.25	18.9	1.47	20.6	1.72	22.4	1.94	23.1	1.98	24.0	2.04	24.6	2.07
		192.5	17.5	1.21	18.9	1.44	20.6	1.69	22.4	1.91	23.1	1.95	24.0	1.99	24.6	2.02
		231.0	17.5	1.19	18.9	1.43	20.6	1.67	22.4	1.89	23.1	1.94	24.0	1.97	24.6	2.00
	25	61.6	17.5	1.68	18.9	1.95	20.6	2.28	22.4	2.58	23.1	2.63	24.0	2.69	24.6	2.73
		77.0	17.5	1.64	18.9	1.92	20.6	2.24	22.4	2.53	23.1	2.59	24.0	2.65	24.6	2.69
		154.0	17.5	1.51	18.9	1.80	20.6	2.10	22.4	2.36	23.1	2.42	24.0	2.47	24.6	2.53
		192.5	17.5	1.47	18.9	1.76	20.6	2.05	22.4	2.31	23.1	2.37	24.0	2.43	24.6	2.46
		231.0	17.5	1.45	18.9	1.74	20.6	2.03	22.4	2.29	23.1	2.35	24.0	2.41	24.6	2.42
	30	61.6	17.5	2.08	18.9	2.41	20.6	2.81	22.4	3.17	23.1	3.24	24.0	3.31	24.6	3.37
		77.0	17.5	2.04	18.9	2.37	20.6	2.77	22.4	3.11	23.1	3.19	24.0	3.26	24.6	3.32
		154.0	17.5	1.86	18.9	2.21	20.6	2.58	22.4	2.91	23.1	2.97	24.0	3.06	24.6	3.10
		192.5	17.5	1.82	18.9	2.17	20.6	2.53	22.4	2.85	23.1	2.93	24.0	3.00	24.6	3.03
		231.0	17.5	1.80	18.9	2.15	20.6	2.51	22.4	2.82	23.1	2.90	24.0	2.97	24.6	2.99
	35	61.6	17.5	2.30	18.9	2.68	20.6	3.12	22.4	3.50	23.1	3.60	24.0	3.68	24.6	3.74
		77.0	17.5	2.26	18.9	2.63	20.6	3.07	22.4	3.45	23.1	3.54	24.0	3.62	24.6	3.68
		154.0	17.5	2.08	18.9	2.46	20.6	2.87	22.4	3.23	23.1	3.30	24.0	3.39	24.6	3.45
		192.5	17.5	2.02	18.9	2.42	20.6	2.81	22.4	3.17	23.1	3.25	24.0	3.33	24.6	3.36
		231.0	17.5	1.99	18.9	2.39	20.6	2.78	22.4	3.14	23.1	3.22	24.0	3.30	24.6	3.32
	40	61.6	17.5	2.73	18.9	3.17	20.6	3.70	22.4	4.16	23.1	4.26	24.0	4.36	24.6	4.44
		77.0	17.5	2.68	18.9	3.11	20.6	3.64	22.4	4.09	23.1	4.19	24.0	4.29	24.6	4.37
		154.0	17.5	2.46	18.9	2.91	20.6	3.39	22.4	3.83	23.1	3.91	24.0	4.02	24.6	4.09
		192.5	17.5	2.39	18.9	2.85	20.6	3.33	22.4	3.75	23.1	3.84	24.0	3.94	24.6	3.97
		231.0	17.5	2.35	18.9	2.82	20.6	3.30	22.4	3.72	23.1	3.81	24.0	3.91	24.6	3.91
	45	61.6	17.5	3.17	18.9	3.65	20.6	4.28	22.4	4.81	23.1	4.93	24.0	5.04	24.6	5.13
		77.0	17.5	3.10	18.9	3.59	20.6	4.21	22.4	4.73	23.1	4.85	24.0	4.96	24.6	5.05
		154.0	17.5	2.84	18.9	3.36	20.6	3.91	22.4	4.42	23.1	4.53	24.0	4.64	24.6	4.73
		192.5	17.5	2.75	18.9	3.29	20.6	3.86	22.4	4.34	23.1	4.44	24.0	4.56	24.6	4.58
		231.0	17.5	2.71	18.9	3.25	20.6	3.83	22.4	4.29	23.1	4.39	24.0	4.51	24.6	4.51

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(18HP)

ARWN180LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB) 14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	69.2	46.9	3.25	50.8	3.81	55.2	4.44	60.0	4.98	61.9	5.09	64.3	5.26	66.1	5.33
		86.5	46.9	3.19	50.8	3.75	55.2	4.36	60.0	4.90	61.9	5.02	64.3	5.17	66.1	5.25
		173.0	46.9	2.96	50.8	3.48	55.2	4.06	60.0	4.58	61.9	4.72	64.3	4.81	66.1	4.93
		216.3	46.9	2.88	50.8	3.43	55.2	4.00	60.0	4.48	61.9	4.62	64.3	4.73	66.1	4.80
		259.5	46.9	2.83	50.8	3.40	55.2	3.96	60.0	4.43	61.9	4.56	64.3	4.69	66.1	4.73
	15	69.2	46.1	4.29	49.9	5.00	54.3	5.82	59.1	6.54	60.9	6.70	63.2	6.87	65.0	6.99
		86.5	46.1	4.20	49.9	4.91	54.3	5.73	59.1	6.44	60.9	6.59	63.2	6.77	65.0	6.89
		173.0	46.1	3.88	49.9	4.59	54.3	5.35	59.1	6.02	60.9	6.18	63.2	6.33	65.0	6.47
		216.3	46.1	3.77	49.9	4.50	54.3	5.24	59.1	5.90	60.9	6.06	63.2	6.21	65.0	6.32
		259.5	46.1	3.72	49.9	4.46	54.3	5.19	59.1	5.84	60.9	6.00	63.2	6.15	65.0	6.24
	20	69.2	45.4	5.21	49.2	6.05	53.6	7.05	58.2	7.93	60.0	8.13	62.3	8.31	64.1	8.47
		86.5	45.4	5.10	49.2	5.95	53.6	6.94	58.2	7.80	60.0	7.99	62.3	8.18	64.1	8.34
		173.0	45.4	4.69	49.2	5.57	53.6	6.49	58.2	7.30	60.0	7.48	62.3	7.68	64.1	7.84
		216.3	45.4	4.57	49.2	5.45	53.6	6.35	58.2	7.16	60.0	7.34	62.3	7.53	64.1	7.67
		259.5	45.4	4.51	49.2	5.39	53.6	6.28	58.2	7.09	60.0	7.27	62.3	7.45	64.1	7.58
	25	69.2	45.4	6.43	49.2	7.45	53.6	8.69	58.2	9.80	60.0	10.02	62.3	10.26	64.1	10.44
		86.5	45.4	6.30	49.2	7.34	53.6	8.55	58.2	9.64	60.0	9.86	62.3	10.11	64.1	10.28
		173.0	45.4	5.80	49.2	6.87	53.6	7.99	58.2	9.00	60.0	9.22	62.3	9.48	64.1	9.66
		216.3	45.4	5.62	49.2	6.71	53.6	7.84	58.2	8.82	60.0	9.05	62.3	9.29	64.1	9.45
		259.5	45.4	5.54	49.2	6.64	53.6	7.76	58.2	8.74	60.0	8.96	62.3	9.20	64.1	9.34
	30	69.2	45.4	7.72	49.2	8.95	53.6	10.43	58.2	11.75	60.0	12.03	62.3	12.32	64.1	12.53
		86.5	45.4	7.56	49.2	8.81	53.6	10.26	58.2	11.56	60.0	11.84	62.3	12.13	64.1	12.34
		173.0	45.4	6.94	49.2	8.24	53.6	9.60	58.2	10.80	60.0	11.07	62.3	11.37	64.1	11.59
		216.3	45.4	6.75	49.2	8.06	53.6	9.40	58.2	10.59	60.0	10.87	62.3	11.14	64.1	11.33
		259.5	45.4	6.65	49.2	7.98	53.6	9.29	58.2	10.49	60.0	10.76	62.3	11.03	64.1	11.20
	35	69.2	40.9	7.78	44.3	9.06	48.2	10.55	52.4	11.87	54.0	12.17	56.1	12.46	57.7	12.66
		86.5	40.9	7.63	44.3	8.91	48.2	10.38	52.4	11.68	54.0	11.97	56.1	12.27	57.7	12.48
		173.0	40.9	7.03	44.3	8.32	48.2	9.71	52.4	10.94	54.0	11.20	56.1	11.49	57.7	11.73
		216.3	40.9	6.83	44.3	8.15	48.2	9.50	52.4	10.71	54.0	10.99	56.1	11.26	57.7	11.45
		259.5	40.9	6.74	44.3	8.06	48.2	9.40	52.4	10.60	54.0	10.88	56.1	11.15	57.7	11.32
	40	69.2	36.3	8.23	39.4	9.55	42.8	11.13	46.6	12.52	48.0	12.82	49.8	13.13	51.2	13.37
		86.5	36.3	8.06	39.4	9.40	42.8	10.95	46.6	12.32	48.0	12.61	49.8	12.93	51.2	13.17
		173.0	36.3	7.41	39.4	8.79	42.8	10.24	46.6	11.52	48.0	11.82	49.8	12.13	51.2	12.37
		216.3	36.3	7.20	39.4	8.60	42.8	10.02	46.6	11.30	48.0	11.59	49.8	11.89	51.2	12.10
		259.5	36.3	7.09	39.4	8.50	42.8	9.91	46.6	11.19	48.0	11.48	49.8	11.77	51.2	11.96
	45	69.2	31.7	8.68	34.5	10.04	37.5	11.71	40.7	13.17	42.0	13.46	43.6	13.79	44.8	14.07
		86.5	31.7	8.50	34.5	9.88	37.5	11.52	40.7	12.96	42.0	13.25	43.6	13.58	44.8	13.86
		173.0	31.7	7.79	34.5	9.26	37.5	10.78	40.7	12.11	42.0	12.44	43.6	12.77	44.8	13.01
		216.3	31.7	7.56	34.5	9.05	37.5	10.54	40.7	11.89	42.0	12.20	43.6	12.51	44.8	12.74
		259.5	31.7	7.45	34.5	8.95	37.5	10.42	40.7	11.77	42.0	12.08	43.6	12.38	44.8	12.60
120	10	69.2	44.4	3.10	48.0	3.62	52.3	4.19	56.8	4.72	58.5	4.86	60.8	4.98	62.5	5.04
		86.5	44.4	3.04	48.0	3.56	52.3	4.12	56.8	4.64	58.5	4.78	60.8	4.89	62.5	4.96
		173.0	44.4	2.79	48.0	3.32	52.3	3.88	56.8	4.34	58.5	4.44	60.8	4.56	62.5	4.66
		216.3	44.4	2.70	48.0	3.22	52.3	3.79	56.8	4.24	58.5	4.38	60.8	4.48	62.5	4.56
		259.5	44.4	2.66	48.0	3.17	52.3	3.75	56.8	4.19	58.5	4.34	60.8	4.43	62.5	4.51
	15	69.2	43.8	4.11	47.5	4.79	51.7	5.56	56.2	6.26	57.9	6.42	60.1	6.58	61.8	6.68
		86.5	43.8	4.03	47.5	4.71	51.7	5.47	56.2	6.16	57.9	6.32	60.1	6.47	61.8	6.58
		173.0	43.8	3.70	47.5	4.40	51.7	5.12	56.2	5.76	57.9	5.90	60.1	6.06	61.8	6.18
		216.3	43.8	3.60	47.5	4.29	51.7	5.02	56.2	5.64	57.9	5.80	60.1	5.94	61.8	6.04
		259.5	43.8	3.55	47.5	4.24	51.7	4.97	56.2	5.58	57.9	5.74	60.1	5.87	61.8	5.97
	20	69.2	43.4	5.01	47.0	5.82	51.2	6.77	55.6	7.63	57.3	7.81	59.5	8.00	61.2	8.13
		86.5	43.4	4.91	47.0	5.73	51.2	6.66	55.6	7.51	57.3	7.68	59.5	7.87	61.2	8.01
		173.0	43.4	4.52	47.0	5.35	51.2	6.23	55.6	7.03	57.3	7.20	59.5	7.39	61.2	7.53
		216.3	43.4	4.40	47.0	5.24	51.2	6.11	55.6	6.89	57.3	7.06	59.5	7.23	61.2	7.35
		259.5	43.4	4.33	47.0	5.19	51.2	6.05	55.6	6.82	57.3	6.99	59.5	7.15	61.2	7.27
	25	69.2	43.4	6.16	47.0	7.16	51.2	8.34	55.6	9.37	57.3	9.60	59.5	9.85	61.2	10.02
		86.5	43.4	6.04	47.0	7.04	51.2	8.20	55.6	9.22	57.3	9.45	59.5	9.69	61.2	9.86
		173.0	43.4	5.55	47.0	6.58	51.2	7.67	55.6	8.63	57.3	8.84	59.5	9.07	61.2	9.26
		216.3	43.4	5.40	47.0	6.44	51.2	7.51	55.6	8.46	57.3	8.67	59.5	8.89	61.2	9.03
		259.5	43.4	5.32	47.0	6.37	51.2	7.43	55.6	8.37	57.3	8.58	59.5	8.81	61.2	8.92
	30	69.2	43.4	7.43	47.0	8.65	51.2	10.08	55.6	11.34	57.3	11.60	59.5	11.90	61.2	12.11
		86.5	43.4	7.28	47.0	8.51	51.2	9.91	55.6	11.16	57.3	11.42	59.5	11.71	61.2	11.92
		173.0	43.4	6.71	47.0	7.96	51.2	9.26	55.6	10.43	57.3	10.69	59.5	10.97	61.2	11.18
		216.3	43.4	6.52	47.0	7.79	51.2	9.07	55.6	10.23	57.3	10.49	59.5	10.76	61.2	10.92
		259.5	43.4	6.43	47.0	7.70	51.2	8.97	55.6	10.12	57.3	10.38	59.5	10.66	61.2	10.79

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	69.2	39.7	7.63	43.0	8.87	46.8	10.32	50.9	11.63	52.4	11.91	54.4	12.18	56.0	12.41
		86.5	39.7	7.48	43.0	8.72	46.8	10.16	50.9	11.44	52.4	11.71	54.4	11.99	56.0	12.22
		173.0	39.7	6.87	43.0	8.15	46.8	9.50	50.9	10.69	52.4	10.95	54.4	11.25	56.0	11.45
		216.3	39.7	6.68	43.0	7.98	46.8	9.31	50.9	10.49	52.4	10.75	54.4	11.02	56.0	11.20
		259.5	39.7	6.58	43.0	7.89	46.8	9.21	50.9	10.38	52.4	10.64	54.4	10.91	56.0	11.06
	40	69.2	36.0	8.21	39.0	9.53	42.5	11.12	46.2	12.50	47.6	12.80	49.4	13.11	50.8	13.36
		86.5	36.0	8.05	39.0	9.38	42.5	10.94	46.2	12.30	47.6	12.60	49.4	12.91	50.8	13.15
		173.0	36.0	7.41	39.0	8.77	42.5	10.23	46.2	11.51	47.6	11.78	49.4	12.10	50.8	12.34
		216.3	36.0	7.20	39.0	8.58	42.5	10.02	46.2	11.28	47.6	11.58	49.4	11.87	50.8	12.04
		259.5	36.0	7.09	39.0	8.49	42.5	9.91	46.2	11.17	47.6	11.47	49.4	11.76	50.8	11.90
	45	69.2	32.3	8.79	35.0	10.20	38.1	11.91	41.5	13.38	42.7	13.70	44.4	14.05	45.6	14.30
		86.5	32.3	8.62	35.0	10.04	38.1	11.71	41.5	13.17	42.7	13.48	44.4	13.83	45.6	14.09
		173.0	32.3	7.94	35.0	9.40	38.1	10.95	41.5	12.32	42.7	12.61	44.4	12.94	45.6	13.22
		216.3	32.3	7.72	35.0	9.19	38.1	10.73	41.5	12.08	42.7	12.41	44.4	12.72	45.6	12.89
		259.5	32.3	7.60	35.0	9.08	38.1	10.61	41.5	11.96	42.7	12.30	44.4	12.60	45.6	12.73
110	10	69.2	41.8	2.93	45.3	3.39	49.3	3.97	53.6	4.46	55.2	4.55	57.4	4.70	58.9	4.76
		86.5	41.8	2.87	45.3	3.33	49.3	3.90	53.6	4.38	55.2	4.48	57.4	4.62	58.9	4.68
		173.0	41.8	2.63	45.3	3.12	49.3	3.63	53.6	4.10	55.2	4.22	57.4	4.32	58.9	4.38
		216.3	41.8	2.57	45.3	3.05	49.3	3.55	53.6	4.04	55.2	4.10	57.4	4.24	58.9	4.28
		259.5	41.8	2.53	45.3	3.02	49.3	3.51	53.6	4.00	55.2	4.04	57.4	4.19	58.9	4.23
	15	69.2	41.6	3.92	45.0	4.56	49.0	5.31	53.3	5.98	54.9	6.12	57.0	6.28	58.6	6.38
		86.5	41.6	3.84	45.0	4.48	49.0	5.23	53.3	5.88	54.9	6.02	57.0	6.18	58.6	6.28
		173.0	41.6	3.53	45.0	4.19	49.0	4.88	53.3	5.50	54.9	5.64	57.0	5.78	58.6	5.88
		216.3	41.6	3.44	45.0	4.10	49.0	4.78	53.3	5.40	54.9	5.52	57.0	5.68	58.6	5.74
		259.5	41.6	3.40	45.0	4.06	49.0	4.72	53.3	5.35	54.9	5.46	57.0	5.62	58.6	5.68
	20	69.2	41.4	4.80	44.8	5.59	48.8	6.51	53.0	7.33	54.6	7.51	56.7	7.68	58.3	7.82
		86.5	41.4	4.71	44.8	5.50	48.8	6.40	53.0	7.22	54.6	7.39	56.7	7.56	58.3	7.70
		173.0	41.4	4.33	44.8	5.14	48.8	5.99	53.0	6.75	54.6	6.90	56.7	7.08	58.3	7.22
		216.3	41.4	4.22	44.8	5.04	48.8	5.87	53.0	6.61	54.6	6.78	56.7	6.96	58.3	7.04
		259.5	41.4	4.17	44.8	4.98	48.8	5.80	53.0	6.54	54.6	6.72	56.7	6.89	58.3	6.96
	25	69.2	41.4	5.88	44.8	6.84	48.8	7.97	53.0	8.97	54.6	9.18	56.7	9.41	58.3	9.58
		86.5	41.4	5.76	44.8	6.73	48.8	7.84	53.0	8.82	54.6	9.03	56.7	9.26	58.3	9.43
		173.0	41.4	5.31	44.8	6.30	48.8	7.34	53.0	8.25	54.6	8.46	56.7	8.67	58.3	8.84
		216.3	41.4	5.16	44.8	6.16	48.8	7.18	53.0	8.10	54.6	8.29	56.7	8.51	58.3	8.62
		259.5	41.4	5.08	44.8	6.09	48.8	7.10	53.0	8.02	54.6	8.20	56.7	8.43	58.3	8.50
	30	69.2	41.4	7.17	44.8	8.34	48.8	9.71	53.0	10.94	54.6	11.20	56.7	11.46	58.3	11.67
		86.5	41.4	7.03	44.8	8.20	48.8	9.55	53.0	10.76	54.6	11.02	56.7	11.28	58.3	11.49
		173.0	41.4	6.47	44.8	7.67	48.8	8.93	53.0	10.05	54.6	10.31	56.7	10.57	58.3	10.76
		216.3	41.4	6.30	44.8	7.51	48.8	8.76	53.0	9.86	54.6	10.11	56.7	10.36	58.3	10.50
		259.5	41.4	6.21	44.8	7.43	48.8	8.67	53.0	9.77	54.6	10.00	56.7	10.26	58.3	10.37
	35	69.2	38.5	7.47	41.7	8.67	45.5	10.09	49.4	11.38	50.9	11.64	52.9	11.92	54.3	12.15
		86.5	38.5	7.32	41.7	8.53	45.5	9.93	49.4	11.20	50.9	11.45	52.9	11.73	54.3	11.96
		173.0	38.5	6.73	41.7	7.98	45.5	9.29	49.4	10.47	50.9	10.71	52.9	10.99	54.3	11.20
		216.3	38.5	6.54	41.7	7.80	45.5	9.10	49.4	10.26	50.9	10.52	52.9	10.78	54.3	10.92
		259.5	38.5	6.44	41.7	7.72	45.5	9.01	49.4	10.16	50.9	10.42	52.9	10.68	54.3	10.78
	40	69.2	35.7	8.19	38.7	9.54	42.1	11.10	45.8	12.49	47.1	12.79	49.0	13.10	50.3	13.34
		86.5	35.7	8.03	38.7	9.38	42.1	10.92	45.8	12.29	47.1	12.58	49.0	12.89	50.3	13.13
		173.0	35.7	7.39	38.7	8.76	42.1	10.21	45.8	11.49	47.1	11.77	49.0	12.08	50.3	12.30
		216.3	35.7	7.18	38.7	8.57	42.1	10.00	45.8	11.26	47.1	11.56	49.0	11.85	50.3	11.99
		259.5	35.7	7.08	38.7	8.47	42.1	9.90	45.8	11.15	47.1	11.45	49.0	11.74	50.3	11.83
	45	69.2	32.8	8.91	35.6	10.40	38.7	12.10	42.1	13.59	43.4	13.93	45.1	14.27	46.4	14.54
		86.5	32.8	8.74	35.6	10.23	38.7	11.90	42.1	13.38	43.4	13.70	45.1	14.05	46.4	14.31
		173.0	32.8	8.05	35.6	9.53	38.7	11.13	42.1	12.51	43.4	12.82	45.1	13.17	46.4	13.41
		216.3	32.8	7.82	35.6	9.33	38.7	10.90	42.1	12.27	43.4	12.60	45.1	12.93	46.4	13.06
		259.5	32.8	7.71	35.6	9.22	38.7	10.79	42.1	12.15	43.4	12.48	45.1	12.80	46.4	12.89
100	10	69.2	39.3	2.77	42.6	3.22	46.4	3.70	50.4	4.21	51.9	4.27	53.9	4.42	55.4	4.50
		86.5	39.3	2.71	42.6	3.16	46.4	3.64	50.4	4.15	51.9	4.21	53.9	4.35	55.4	4.43
		173.0	39.3	2.50	42.6	2.95	46.4	3.43	50.4	3.88	51.9	3.96	53.9	4.06	55.4	4.15
		216.3	39.3	2.41	42.6	2.88	46.4	3.34	50.4	3.80	51.9	3.88	53.9	3.98	55.4	4.01
		259.5	39.3	2.37	42.6	2.85	46.4	3.30	50.4	3.75	51.9	3.84	53.9	3.94	55.4	3.94
	15	69.2	39.3	3.74	42.6	4.34	46.4	5.04	50.4	5.70	51.9	5.82	53.9	5.98	55.4	6.08
		86.5	39.3	3.67	42.6	4.27	46.4	4.97	50.4	5.61	51.9	5.73	53.9	5.88	55.4	5.99
		173.0	39.3	3.37	42.6	4.00	46.4	4.65	50.4	5.24	51.9	5.36	53.9	5.50	55.4	5.61
		216.3	39.3	3.27	42.6	3.91	46.4	4.55	50.4	5.14	51.9	5.26	53.9	5.40	55.4	5.45
		259.5	39.3	3.22	42.6	3.87	46.4	4.50	50.4	5.09	51.9	5.21	53.9	5.35	55.4	5.37

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	69.2	39.3	4.61	42.6	5.34	46.4	6.24	50.4	7.02	51.9	7.20	53.9	7.37	55.4	7.49
		86.5	39.3	4.52	42.6	5.26	46.4	6.14	50.4	6.90	51.9	7.08	53.9	7.25	55.4	7.37
		173.0	39.3	4.15	42.6	4.93	46.4	5.74	50.4	6.45	51.9	6.61	53.9	6.78	55.4	6.90
		216.3	39.3	4.03	42.6	4.83	46.4	5.62	50.4	6.33	51.9	6.49	53.9	6.66	55.4	6.73
		259.5	39.3	3.97	42.6	4.78	46.4	5.56	50.4	6.27	51.9	6.43	53.9	6.60	55.4	6.64
	25	69.2	39.3	5.61	42.6	6.52	46.4	7.60	50.4	8.57	51.9	8.78	53.9	8.99	55.4	9.14
		86.5	39.3	5.50	42.6	6.42	46.4	7.48	50.4	8.43	51.9	8.63	53.9	8.84	55.4	9.00
		173.0	39.3	5.07	42.6	6.00	46.4	6.99	50.4	7.87	51.9	8.06	53.9	8.27	55.4	8.43
		216.3	39.3	4.93	42.6	5.88	46.4	6.85	50.4	7.72	51.9	7.91	53.9	8.12	55.4	8.20
		259.5	39.3	4.86	42.6	5.82	46.4	6.78	50.4	7.64	51.9	7.83	53.9	8.04	55.4	8.09
	30	69.2	39.3	6.90	42.6	8.04	46.4	9.36	50.4	10.54	51.9	10.78	53.9	11.04	55.4	11.25
		86.5	39.3	6.77	42.6	7.91	46.4	9.21	50.4	10.36	51.9	10.61	53.9	10.87	55.4	11.07
		173.0	39.3	6.23	42.6	7.39	46.4	8.60	50.4	9.69	51.9	9.91	53.9	10.17	55.4	10.36
		216.3	39.3	6.06	42.6	7.23	46.4	8.43	50.4	9.50	51.9	9.74	53.9	9.98	55.4	10.09
		259.5	39.3	5.97	42.6	7.15	46.4	8.34	50.4	9.40	51.9	9.65	53.9	9.89	55.4	9.95
	35	69.2	37.4	7.29	40.5	8.48	44.0	9.86	47.9	11.12	49.3	11.38	51.2	11.66	52.7	11.87
		86.5	37.4	7.15	40.5	8.34	44.0	9.71	47.9	10.94	49.3	11.20	51.2	11.47	52.7	11.68
		173.0	37.4	6.58	40.5	7.80	44.0	9.08	47.9	10.23	49.3	10.47	51.2	10.75	52.7	10.94
		216.3	37.4	6.40	40.5	7.63	44.0	8.89	47.9	10.04	49.3	10.28	51.2	10.54	52.7	10.64
		259.5	37.4	6.32	40.5	7.54	44.0	8.80	47.9	9.94	49.3	10.18	51.2	10.43	52.7	10.49
	40	69.2	35.4	8.19	38.3	9.51	41.7	11.08	45.4	12.47	46.7	12.77	48.6	13.08	49.9	13.31
		86.5	35.4	8.03	38.3	9.36	41.7	10.90	45.4	12.27	46.7	12.56	48.6	12.87	49.9	13.10
		173.0	35.4	7.37	38.3	8.76	41.7	10.19	45.4	11.47	46.7	11.75	48.6	12.04	49.9	12.27
		216.3	35.4	7.18	38.3	8.57	41.7	9.98	45.4	11.25	46.7	11.52	48.6	11.82	49.9	11.94
		259.5	35.4	7.09	38.3	8.47	41.7	9.88	45.4	11.13	46.7	11.41	48.6	11.70	49.9	11.77
	45	69.2	33.4	9.10	36.2	10.55	39.4	12.30	42.8	13.82	44.1	14.16	45.9	14.51	47.1	14.75
		86.5	33.4	8.91	36.2	10.38	39.4	12.10	42.8	13.60	44.1	13.93	45.9	14.28	47.1	14.52
		173.0	33.4	8.17	36.2	9.71	39.4	11.30	42.8	12.72	44.1	13.03	45.9	13.34	47.1	13.60
		216.3	33.4	7.96	36.2	9.50	39.4	11.07	42.8	12.46	44.1	12.77	45.9	13.10	47.1	13.24
		259.5	33.4	7.86	36.2	9.40	39.4	10.96	42.8	12.33	44.1	12.64	45.9	12.98	47.1	13.05
90	10	69.2	35.4	2.35	38.3	2.73	41.7	3.20	45.4	3.62	46.7	3.68	48.6	3.76	49.9	3.88
		86.5	35.4	2.31	38.3	2.70	41.7	3.14	45.4	3.56	46.7	3.63	48.6	3.71	49.9	3.81
		173.0	35.4	2.15	38.3	2.55	41.7	2.95	45.4	3.35	46.7	3.41	48.6	3.51	49.9	3.56
		216.3	35.4	2.08	38.3	2.46	41.7	2.90	45.4	3.24	46.7	3.35	48.6	3.45	49.9	3.44
		259.5	35.4	2.05	38.3	2.42	41.7	2.87	45.4	3.19	46.7	3.31	48.6	3.41	49.9	3.38
	15	69.2	35.4	3.21	38.3	3.73	41.7	4.34	45.4	4.91	46.7	5.01	48.6	5.13	49.9	5.24
		86.5	35.4	3.15	38.3	3.67	41.7	4.27	45.4	4.83	46.7	4.93	48.6	5.05	49.9	5.16
		173.0	35.4	2.91	38.3	3.44	41.7	4.00	45.4	4.52	46.7	4.62	48.6	4.74	49.9	4.83
		216.3	35.4	2.82	38.3	3.36	41.7	3.93	45.4	4.41	46.7	4.53	48.6	4.65	49.9	4.69
		259.5	35.4	2.78	38.3	3.31	41.7	3.89	45.4	4.36	46.7	4.49	48.6	4.61	49.9	4.62
	20	69.2	35.4	3.97	38.3	4.61	41.7	5.37	45.4	6.05	46.7	6.19	48.6	6.35	49.9	6.45
		86.5	35.4	3.89	38.3	4.53	41.7	5.28	45.4	5.95	46.7	6.09	48.6	6.25	49.9	6.35
		173.0	35.4	3.58	38.3	4.24	41.7	4.93	45.4	5.55	46.7	5.69	48.6	5.83	49.9	5.95
		216.3	35.4	3.48	38.3	4.15	41.7	4.85	45.4	5.45	46.7	5.59	48.6	5.73	49.9	5.80
		259.5	35.4	3.43	38.3	4.11	41.7	4.80	45.4	5.40	46.7	5.54	48.6	5.68	49.9	5.72
	25	69.2	35.4	4.84	38.3	5.63	41.7	6.54	45.4	7.37	46.7	7.55	48.6	7.74	49.9	7.88
		86.5	35.4	4.74	38.3	5.54	41.7	6.44	45.4	7.25	46.7	7.42	48.6	7.61	49.9	7.75
		173.0	35.4	4.36	38.3	5.17	41.7	6.02	45.4	6.78	46.7	6.94	48.6	7.13	49.9	7.25
		216.3	35.4	4.24	38.3	5.05	41.7	5.90	45.4	6.64	46.7	6.82	48.6	6.99	49.9	7.06
		259.5	35.4	4.18	38.3	4.99	41.7	5.84	45.4	6.57	46.7	6.76	48.6	6.92	49.9	6.96
	30	69.2	35.4	5.95	38.3	6.91	41.7	8.06	45.4	9.08	46.7	9.28	48.6	9.51	49.9	9.69
		86.5	35.4	5.83	38.3	6.80	41.7	7.93	45.4	8.93	46.7	9.14	48.6	9.36	49.9	9.53
		173.0	35.4	5.36	38.3	6.35	41.7	7.41	45.4	8.34	46.7	8.55	48.6	8.76	49.9	8.91
		216.3	35.4	5.21	38.3	6.23	41.7	7.25	45.4	8.18	46.7	8.37	48.6	8.60	49.9	8.69
		259.5	35.4	5.13	38.3	6.17	41.7	7.17	45.4	8.11	46.7	8.29	48.6	8.52	49.9	8.57
	35	69.2	34.4	6.43	37.3	7.46	40.6	8.69	44.1	9.78	45.4	10.01	47.2	10.25	48.5	10.44
		86.5	34.4	6.30	37.3	7.34	40.6	8.55	44.1	9.62	45.4	9.85	47.2	10.09	48.5	10.28
		173.0	34.4	5.78	37.3	6.85	40.6	7.99	44.1	9.00	45.4	9.21	47.2	9.45	48.5	9.62
		216.3	34.4	5.62	37.3	6.71	40.6	7.82	44.1	8.82	45.4	9.05	47.2	9.27	48.5	9.36
		259.5	34.4	5.55	37.3	6.64	40.6	7.73	44.1	8.74	45.4	8.97	47.2	9.19	48.5	9.23
	40	69.2	33.4	7.38	36.2	8.57	39.4	9.97	42.8	11.24	44.1	11.50	45.8	11.78	47.1	11.99
		86.5	33.4	7.23	36.2	8.43	39.4	9.81	42.8	11.06	44.1	11.32	45.8	11.59	47.1	11.80
		173.0	33.4	6.64	36.2	7.87	39.4	9.19	42.8	10.33	44.1	10.59	45.8	10.85	47.1	11.06
		216.3	33.4	6.45	36.2	7.72	39.4	9.00	42.8	10.14	44.1	10.38	45.8	10.66	47.1	10.76
		259.5	33.4	6.36	36.2	7.64	39.4	8.90	42.8	10.04	44.1	10.28	45.8	10.56	47.1	10.61

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	69.2	32.4	8.33	35.2	9.67	38.3	11.25	41.6	12.70	42.9	12.99	44.5	13.31	45.8	13.53
		86.5	32.4	8.17	35.2	9.52	38.3	11.07	41.6	12.49	42.9	12.79	44.5	13.10	45.8	13.32
		173.0	32.4	7.51	35.2	8.89	38.3	10.38	41.6	11.66	42.9	11.97	44.5	12.25	45.8	12.49
		216.3	32.4	7.28	35.2	8.72	38.3	10.17	41.6	11.45	42.9	11.71	44.5	12.04	45.8	12.16
		259.5	32.4	7.17	35.2	8.63	38.3	10.07	41.6	11.35	42.9	11.58	44.5	11.94	45.8	12.00
80	10	69.2	31.4	2.01	34.1	2.29	37.1	2.67	40.3	3.05	41.5	3.09	43.1	3.18	44.4	3.21
		86.5	31.4	1.97	34.1	2.26	37.1	2.63	40.3	3.00	41.5	3.05	43.1	3.13	44.4	3.16
		173.0	31.4	1.78	34.1	2.15	37.1	2.48	40.3	2.78	41.5	2.86	43.1	2.91	44.4	2.96
		216.3	31.4	1.77	34.1	2.08	37.1	2.43	40.3	2.73	41.5	2.78	43.1	2.86	44.4	2.90
		259.5	31.4	1.76	34.1	2.05	37.1	2.41	40.3	2.70	41.5	2.73	43.1	2.84	44.4	2.86
	15	69.2	31.4	2.70	34.1	3.13	37.1	3.64	40.3	4.12	41.5	4.20	43.1	4.31	44.4	4.38
		86.5	31.4	2.65	34.1	3.08	37.1	3.58	40.3	4.05	41.5	4.14	43.1	4.24	44.4	4.31
		173.0	31.4	2.42	34.1	2.89	37.1	3.36	40.3	3.77	41.5	3.88	43.1	3.96	44.4	4.03
		216.3	31.4	2.37	34.1	2.82	37.1	3.29	40.3	3.70	41.5	3.79	43.1	3.89	44.4	3.93
		259.5	31.4	2.34	34.1	2.79	37.1	3.25	40.3	3.67	41.5	3.75	43.1	3.86	44.4	3.88
	20	69.2	31.4	3.32	34.1	3.87	37.1	4.50	40.3	5.07	41.5	5.19	43.1	5.31	44.4	5.42
		86.5	31.4	3.25	34.1	3.81	37.1	4.43	40.3	4.98	41.5	5.10	43.1	5.23	44.4	5.33
		173.0	31.4	2.99	34.1	3.55	37.1	4.14	40.3	4.65	41.5	4.78	43.1	4.90	44.4	4.98
		216.3	31.4	2.91	34.1	3.48	37.1	4.05	40.3	4.57	41.5	4.69	43.1	4.81	44.4	4.85
		259.5	31.4	2.86	34.1	3.44	37.1	4.01	40.3	4.52	41.5	4.65	43.1	4.77	44.4	4.78
	25	69.2	31.4	4.06	34.1	4.72	37.1	5.49	40.3	6.17	41.5	6.33	43.1	6.49	44.4	6.59
		86.5	31.4	3.98	34.1	4.64	37.1	5.40	40.3	6.07	41.5	6.23	43.1	6.39	44.4	6.49
		173.0	31.4	3.65	34.1	4.33	37.1	5.05	40.3	5.69	41.5	5.81	43.1	5.97	44.4	6.07
		216.3	31.4	3.55	34.1	4.24	37.1	4.95	40.3	5.57	41.5	5.71	43.1	5.87	44.4	5.92
		259.5	31.4	3.49	34.1	4.20	37.1	4.90	40.3	5.51	41.5	5.66	43.1	5.81	44.4	5.84
	30	69.2	31.4	4.98	34.1	5.78	37.1	6.75	40.3	7.60	41.5	7.77	43.1	7.97	44.4	8.13
		86.5	31.4	4.88	34.1	5.69	37.1	6.64	40.3	7.48	41.5	7.65	43.1	7.84	44.4	7.99
		173.0	31.4	4.50	34.1	5.33	37.1	6.21	40.3	6.99	41.5	7.16	43.1	7.34	44.4	7.48
		216.3	31.4	4.38	34.1	5.21	37.1	6.07	40.3	6.85	41.5	7.03	43.1	7.20	44.4	7.28
		259.5	31.4	4.32	34.1	5.15	37.1	6.00	40.3	6.78	41.5	6.96	43.1	7.13	44.4	7.19
	35	69.2	31.4	5.54	34.1	6.44	37.1	7.49	40.3	8.44	41.5	8.65	43.1	8.87	44.4	9.02
		86.5	31.4	5.43	34.1	6.33	37.1	7.37	40.3	8.31	41.5	8.51	43.1	8.72	44.4	8.88
		173.0	31.4	5.00	34.1	5.92	37.1	6.90	40.3	7.77	41.5	7.96	43.1	8.15	44.4	8.31
		216.3	31.4	4.86	34.1	5.80	37.1	6.77	40.3	7.61	41.5	7.80	43.1	8.01	44.4	8.08
		259.5	31.4	4.79	34.1	5.74	37.1	6.70	40.3	7.54	41.5	7.73	43.1	7.94	44.4	7.97
	40	69.2	31.4	6.57	34.1	7.64	37.1	8.88	40.3	10.01	41.5	10.24	43.1	10.50	44.4	10.67
		86.5	31.4	6.44	34.1	7.51	37.1	8.74	40.3	9.85	41.5	10.07	43.1	10.33	44.4	10.50
		173.0	31.4	5.92	34.1	7.01	37.1	8.17	40.3	9.21	41.5	9.41	43.1	9.66	44.4	9.83
		216.3	31.4	5.74	34.1	6.87	37.1	7.99	40.3	9.02	41.5	9.24	43.1	9.48	44.4	9.57
		259.5	31.4	5.66	34.1	6.80	37.1	7.91	40.3	8.92	41.5	9.15	43.1	9.40	44.4	9.44
	45	69.2	31.4	7.59	34.1	8.83	37.1	10.28	40.3	11.57	41.5	11.82	43.1	12.14	44.4	12.33
		86.5	31.4	7.44	34.1	8.69	37.1	10.11	40.3	11.39	41.5	11.63	43.1	11.94	44.4	12.13
		173.0	31.4	6.83	34.1	8.10	37.1	9.43	40.3	10.64	41.5	10.87	43.1	11.16	44.4	11.35
		216.3	31.4	6.63	34.1	7.94	37.1	9.22	40.3	10.42	41.5	10.68	43.1	10.95	44.4	11.06
		259.5	31.4	6.52	34.1	7.86	37.1	9.12	40.3	10.30	41.5	10.58	43.1	10.85	44.4	10.91
70	10	69.2	27.5	1.64	29.8	1.91	32.5	2.21	35.3	2.49	36.3	2.59	37.7	2.66	38.8	2.67
		86.5	27.5	1.61	29.8	1.88	32.5	2.18	35.3	2.46	36.3	2.55	37.7	2.62	38.8	2.63
		173.0	27.5	1.50	29.8	1.75	32.5	2.05	35.3	2.33	36.3	2.38	37.7	2.45	38.8	2.48
		216.3	27.5	1.47	29.8	1.71	32.5	2.01	35.3	2.26	36.3	2.31	37.7	2.38	38.8	2.41
		259.5	27.5	1.45	29.8	1.70	32.5	2.00	35.3	2.23	36.3	2.28	37.7	2.34	38.8	2.38
	15	69.2	27.5	2.24	29.8	2.60	32.5	3.02	35.3	3.41	36.3	3.50	37.7	3.59	38.8	3.64
		86.5	27.5	2.20	29.8	2.56	32.5	2.98	35.3	3.36	36.3	3.44	37.7	3.53	38.8	3.58
		173.0	27.5	2.02	29.8	2.39	32.5	2.79	35.3	3.15	36.3	3.22	37.7	3.30	38.8	3.36
		216.3	27.5	1.97	29.8	2.34	32.5	2.73	35.3	3.08	36.3	3.15	37.7	3.24	38.8	3.27
		259.5	27.5	1.95	29.8	2.31	32.5	2.71	35.3	3.05	36.3	3.11	37.7	3.20	38.8	3.23
	20	69.2	27.5	2.77	29.8	3.22	32.5	3.75	35.3	4.22	36.3	4.31	37.7	4.41	38.8	4.50
		86.5	27.5	2.72	29.8	3.17	32.5	3.69	35.3	4.15	36.3	4.24	37.7	4.34	38.8	4.43
		173.0	27.5	2.49	29.8	2.96	32.5	3.44	35.3	3.88	36.3	3.96	37.7	4.07	38.8	4.14
		216.3	27.5	2.42	29.8	2.89	32.5	3.37	35.3	3.81	36.3	3.89	37.7	4.00	38.8	4.03
		259.5	27.5	2.39	29.8	2.85	32.5	3.34	35.3	3.77	36.3	3.86	37.7	3.96	38.8	3.98
	25	69.2	27.5	3.37	29.8	3.92	32.5	4.55	35.3	5.14	36.3	5.26	37.7	5.38	38.8	5.49
		86.5	27.5	3.30	29.8	3.86	32.5	4.48	35.3	5.05	36.3	5.17	37.7	5.29	38.8	5.40
		173.0	27.5	3.05	29.8	3.60	32.5	4.20	35.3	4.72	36.3	4.85	37.7	4.97	38.8	5.05
		216.3	27.5	2.96	29.8	3.53	32.5	4.12	35.3	4.64	36.3	4.74	37.7	4.86	38.8	4.91
		259.5	27.5	2.92	29.8	3.50	32.5	4.07	35.3	4.59	36.3	4.69	37.7	4.81	38.8	4.84

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	69.2	27.5	4.15	29.8	4.82	32.5	5.61	35.3	6.31	36.3	6.47	37.7	6.63	38.8	6.75
		86.5	27.5	4.07	29.8	4.74	32.5	5.52	35.3	6.21	36.3	6.37	37.7	6.52	38.8	6.64
		173.0	27.5	3.74	29.8	4.43	32.5	5.16	35.3	5.81	36.3	5.95	37.7	6.11	38.8	6.21
		216.3	27.5	3.63	29.8	4.34	32.5	5.05	35.3	5.69	36.3	5.85	37.7	5.99	38.8	6.06
		259.5	27.5	3.58	29.8	4.30	32.5	5.00	35.3	5.63	36.3	5.80	37.7	5.93	38.8	5.98
	35	69.2	27.5	4.61	29.8	5.34	32.5	6.25	35.3	7.02	36.3	7.20	37.7	7.37	38.8	7.49
		86.5	27.5	4.52	29.8	5.26	32.5	6.14	35.3	6.90	36.3	7.08	37.7	7.25	38.8	7.37
		173.0	27.5	4.15	29.8	4.93	32.5	5.73	35.3	6.45	36.3	6.61	37.7	6.78	38.8	6.90
		216.3	27.5	4.03	29.8	4.81	32.5	5.62	35.3	6.33	36.3	6.49	37.7	6.66	38.8	6.73
		259.5	27.5	3.97	29.8	4.75	32.5	5.57	35.3	6.27	36.3	6.43	37.7	6.60	38.8	6.64
	40	69.2	27.5	5.46	29.8	6.33	32.5	7.39	35.3	8.32	36.3	8.51	37.7	8.72	38.8	8.88
		86.5	27.5	5.35	29.8	6.23	32.5	7.27	35.3	8.18	36.3	8.37	37.7	8.58	38.8	8.74
		173.0	27.5	4.91	29.8	5.83	32.5	6.80	35.3	7.65	36.3	7.84	37.7	8.03	38.8	8.18
		216.3	27.5	4.78	29.8	5.71	32.5	6.64	35.3	7.49	36.3	7.68	37.7	7.89	38.8	7.96
		259.5	27.5	4.71	29.8	5.65	32.5	6.57	35.3	7.41	36.3	7.60	37.7	7.82	38.8	7.85
	45	69.2	27.5	6.30	29.8	7.32	32.5	8.52	35.3	9.62	36.3	9.83	37.7	10.08	38.8	10.27
		86.5	27.5	6.18	29.8	7.20	32.5	8.39	35.3	9.47	36.3	9.67	37.7	9.91	38.8	10.11
		173.0	27.5	5.68	29.8	6.73	32.5	7.87	35.3	8.84	36.3	9.07	37.7	9.27	38.8	9.47
		216.3	27.5	5.52	29.8	6.61	32.5	7.67	35.3	8.65	36.3	8.88	37.7	9.12	38.8	9.19
		259.5	27.5	5.44	29.8	6.55	32.5	7.56	35.3	8.56	36.3	8.78	37.7	9.04	38.8	9.05
60	10	69.2	23.6	1.31	25.5	1.52	27.8	1.75	30.2	2.02	31.2	2.07	32.4	2.09	33.3	2.12
		86.5	23.6	1.28	25.5	1.50	27.8	1.73	30.2	1.98	31.2	2.03	32.4	2.06	33.3	2.10
		173.0	23.6	1.18	25.5	1.40	27.8	1.65	30.2	1.85	31.2	1.88	32.4	1.95	33.3	1.98
		216.3	23.6	1.13	25.5	1.38	27.8	1.62	30.2	1.81	31.2	1.85	32.4	1.90	33.3	1.93
		259.5	23.6	1.10	25.5	1.37	27.8	1.60	30.2	1.80	31.2	1.83	32.4	1.87	33.3	1.91
	15	69.2	23.6	1.78	25.5	2.08	27.8	2.41	30.2	2.73	31.2	2.80	32.4	2.85	33.3	2.90
		86.5	23.6	1.75	25.5	2.04	27.8	2.37	30.2	2.68	31.2	2.75	32.4	2.80	33.3	2.86
		173.0	23.6	1.61	25.5	1.90	27.8	2.23	30.2	2.51	31.2	2.56	32.4	2.63	33.3	2.68
		216.3	23.6	1.56	25.5	1.87	27.8	2.18	30.2	2.46	31.2	2.51	32.4	2.58	33.3	2.61
		259.5	23.6	1.53	25.5	1.85	27.8	2.15	30.2	2.43	31.2	2.48	32.4	2.55	33.3	2.58
	20	69.2	23.6	2.21	25.5	2.57	27.8	2.99	30.2	3.36	31.2	3.45	32.4	3.52	33.3	3.59
		86.5	23.6	2.16	25.5	2.53	27.8	2.94	30.2	3.30	31.2	3.39	32.4	3.46	33.3	3.53
		173.0	23.6	1.99	25.5	2.35	27.8	2.75	30.2	3.10	31.2	3.17	32.4	3.24	33.3	3.30
		216.3	23.6	1.94	25.5	2.30	27.8	2.68	30.2	3.03	31.2	3.10	32.4	3.18	33.3	3.22
		259.5	23.6	1.91	25.5	2.28	27.8	2.65	30.2	2.99	31.2	3.06	32.4	3.16	33.3	3.17
	25	69.2	23.6	2.68	25.5	3.13	27.8	3.64	30.2	4.10	31.2	4.18	32.4	4.29	33.3	4.38
		86.5	23.6	2.63	25.5	3.08	27.8	3.58	30.2	4.03	31.2	4.12	32.4	4.22	33.3	4.31
		173.0	23.6	2.42	25.5	2.87	27.8	3.34	30.2	3.77	31.2	3.86	32.4	3.96	33.3	4.03
		216.3	23.6	2.35	25.5	2.80	27.8	3.27	30.2	3.69	31.2	3.79	32.4	3.88	33.3	3.93
		259.5	23.6	2.32	25.5	2.77	27.8	3.24	30.2	3.64	31.2	3.75	32.4	3.83	33.3	3.88
	30	69.2	23.6	3.30	25.5	3.83	27.8	4.47	30.2	5.03	31.2	5.15	32.4	5.27	33.3	5.38
		86.5	23.6	3.24	25.5	3.77	27.8	4.40	30.2	4.95	31.2	5.07	32.4	5.19	33.3	5.29
		173.0	23.6	2.98	25.5	3.53	27.8	4.12	30.2	4.64	31.2	4.74	32.4	4.86	33.3	4.95
		216.3	23.6	2.89	25.5	3.46	27.8	4.03	30.2	4.55	31.2	4.65	32.4	4.78	33.3	4.83
		259.5	23.6	2.85	25.5	3.43	27.8	3.99	30.2	4.51	31.2	4.61	32.4	4.73	33.3	4.77
	35	69.2	23.6	3.67	25.5	4.27	27.8	4.98	30.2	5.59	31.2	5.73	32.4	5.88	33.3	5.98
		86.5	23.6	3.60	25.5	4.20	27.8	4.90	30.2	5.50	31.2	5.64	32.4	5.78	33.3	5.88
		173.0	23.6	3.30	25.5	3.93	27.8	4.57	30.2	5.16	31.2	5.28	32.4	5.40	33.3	5.50
		216.3	23.6	3.22	25.5	3.84	27.8	4.48	30.2	5.05	31.2	5.17	32.4	5.31	33.3	5.36
		259.5	23.6	3.17	25.5	3.80	27.8	4.44	30.2	5.00	31.2	5.12	32.4	5.27	33.3	5.29
	40	69.2	23.6	4.34	25.5	5.04	27.8	5.89	30.2	6.63	31.2	6.79	32.4	6.94	33.3	7.09
		86.5	23.6	4.26	25.5	4.97	27.8	5.80	30.2	6.52	31.2	6.68	32.4	6.83	33.3	6.97
		173.0	23.6	3.93	25.5	4.65	27.8	5.42	30.2	6.09	31.2	6.25	32.4	6.40	33.3	6.52
		216.3	23.6	3.81	25.5	4.55	27.8	5.31	30.2	5.97	31.2	6.13	32.4	6.28	33.3	6.35
		259.5	23.6	3.75	25.5	4.50	27.8	5.26	30.2	5.91	31.2	6.06	32.4	6.22	33.3	6.26
	45	69.2	23.6	5.01	25.5	5.81	27.8	6.81	30.2	7.68	31.2	7.84	32.4	8.01	33.3	8.19
		86.5	23.6	4.91	25.5	5.73	27.8	6.70	30.2	7.54	31.2	7.72	32.4	7.89	33.3	8.06
		173.0	23.6	4.55	25.5	5.38	27.8	6.26	30.2	7.03	31.2	7.22	32.4	7.41	33.3	7.54
		216.3	23.6	4.40	25.5	5.26	27.8	6.14	30.2	6.89	31.2	7.08	32.4	7.25	33.3	7.34
		259.5	23.6	4.32	25.5	5.20	27.8	6.08	30.2	6.82	31.2	7.01	32.4	7.17	33.3	7.23
50	10	69.2	19.7	0.97	21.3	1.13	23.2	1.36	25.2	1.49	26.0	1.51	27.0	1.58	27.7	1.59
		86.5	19.7	0.95	21.3	1.11	23.2	1.33	25.2	1.46	26.0	1.50	27.0	1.55	27.7	1.56
		173.0	19.7	0.86	21.3	1.05	23.2	1.23	25.2	1.38	26.0	1.43	27.0	1.43	27.7	1.46
		216.3	19.7	0.85	21.3	1.05	23.2	1.20	25.2	1.35	26.0	1.36	27.0	1.41	27.7	1.41
		259.5	19.7	0.84	21.3	1.05	23.2	1.18	25.2	1.33	26.0	1.33	27.0	1.41	27.7	1.39

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	69.2	19.7	1.32	21.3	1.55	23.2	1.81	25.2	2.02	26.0	2.07	27.0	2.13	27.7	2.16
		86.5	19.7	1.30	21.3	1.52	23.2	1.78	25.2	1.99	26.0	2.04	27.0	2.09	27.7	2.13
		173.0	19.7	1.19	21.3	1.42	23.2	1.66	25.2	1.87	26.0	1.92	27.0	1.96	27.7	1.99
		216.3	19.7	1.16	21.3	1.40	23.2	1.63	25.2	1.83	26.0	1.87	27.0	1.92	27.7	1.94
		259.5	19.7	1.14	21.3	1.39	23.2	1.61	25.2	1.82	26.0	1.84	27.0	1.90	27.7	1.91
	20	69.2	19.7	1.64	21.3	1.92	23.2	2.22	25.2	2.50	26.0	2.57	27.0	2.62	27.7	2.67
		86.5	19.7	1.61	21.3	1.89	23.2	2.18	25.2	2.46	26.0	2.53	27.0	2.58	27.7	2.63
		173.0	19.7	1.49	21.3	1.75	23.2	2.04	25.2	2.30	26.0	2.35	27.0	2.42	27.7	2.46
		216.3	19.7	1.44	21.3	1.71	23.2	2.01	25.2	2.27	26.0	2.32	27.0	2.37	27.7	2.41
		259.5	19.7	1.41	21.3	1.70	23.2	1.99	25.2	2.25	26.0	2.30	27.0	2.34	27.7	2.38
	25	69.2	19.7	1.99	21.3	2.32	23.2	2.71	25.2	3.06	26.0	3.13	27.0	3.20	27.7	3.25
		86.5	19.7	1.96	21.3	2.28	23.2	2.66	25.2	3.01	26.0	3.08	27.0	3.15	27.7	3.20
		173.0	19.7	1.80	21.3	2.15	23.2	2.49	25.2	2.80	26.0	2.87	27.0	2.94	27.7	3.01
		216.3	19.7	1.75	21.3	2.09	23.2	2.44	25.2	2.75	26.0	2.82	27.0	2.89	27.7	2.92
		259.5	19.7	1.72	21.3	2.07	23.2	2.41	25.2	2.73	26.0	2.79	27.0	2.86	27.7	2.88
	30	69.2	19.7	2.47	21.3	2.87	23.2	3.34	25.2	3.76	26.0	3.86	27.0	3.94	27.7	4.01
		86.5	19.7	2.42	21.3	2.82	23.2	3.29	25.2	3.70	26.0	3.79	27.0	3.88	27.7	3.95
		173.0	19.7	2.21	21.3	2.63	23.2	3.06	25.2	3.46	26.0	3.53	27.0	3.63	27.7	3.69
		216.3	19.7	2.16	21.3	2.58	23.2	3.01	25.2	3.39	26.0	3.48	27.0	3.56	27.7	3.60
		259.5	19.7	2.14	21.3	2.55	23.2	2.98	25.2	3.36	26.0	3.45	27.0	3.53	27.7	3.56
	35	69.2	19.7	2.73	21.3	3.18	23.2	3.71	25.2	4.17	26.0	4.27	27.0	4.38	27.7	4.45
		86.5	19.7	2.68	21.3	3.13	23.2	3.65	25.2	4.10	26.0	4.20	27.0	4.31	27.7	4.38
		173.0	19.7	2.47	21.3	2.92	23.2	3.41	25.2	3.84	26.0	3.93	27.0	4.03	27.7	4.10
		216.3	19.7	2.41	21.3	2.87	23.2	3.34	25.2	3.77	26.0	3.86	27.0	3.96	27.7	4.00
		259.5	19.7	2.37	21.3	2.85	23.2	3.30	25.2	3.74	26.0	3.82	27.0	3.93	27.7	3.94
	40	69.2	19.7	3.25	21.3	3.76	23.2	4.40	25.2	4.94	26.0	5.07	27.0	5.19	27.7	5.27
		86.5	19.7	3.18	21.3	3.70	23.2	4.33	25.2	4.86	26.0	4.98	27.0	5.10	27.7	5.19
		173.0	19.7	2.92	21.3	3.46	23.2	4.03	25.2	4.55	26.0	4.65	27.0	4.78	27.7	4.86
		216.3	19.7	2.84	21.3	3.39	23.2	3.96	25.2	4.46	26.0	4.57	27.0	4.69	27.7	4.72
		259.5	19.7	2.79	21.3	3.36	23.2	3.93	25.2	4.42	26.0	4.52	27.0	4.65	27.7	4.65
	45	69.2	19.7	3.76	21.3	4.34	23.2	5.09	25.2	5.72	26.0	5.86	27.0	6.00	27.7	6.10
		86.5	19.7	3.69	21.3	4.27	23.2	5.00	25.2	5.62	26.0	5.76	27.0	5.90	27.7	6.00
		173.0	19.7	3.37	21.3	4.00	23.2	4.65	25.2	5.26	26.0	5.38	27.0	5.52	27.7	5.62
		216.3	19.7	3.27	21.3	3.91	23.2	4.59	25.2	5.16	26.0	5.28	27.0	5.42	27.7	5.45
		259.5	19.7	3.22	21.3	3.87	23.2	4.55	25.2	5.10	26.0	5.23	27.0	5.36	27.7	5.36

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(20HP)

ARWN200LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	76.8	52.1	3.76	56.4	4.41	61.4	5.13	66.7	5.76	68.7	5.88	71.4	6.08	73.4	6.16
		96.0	52.1	3.69	56.4	4.33	61.4	5.05	66.7	5.66	68.7	5.80	71.4	5.98	73.4	6.07
		192.0	52.1	3.42	56.4	4.02	61.4	4.70	66.7	5.30	68.7	5.45	71.4	5.57	73.4	5.70
		240.0	52.1	3.33	56.4	3.96	61.4	4.62	66.7	5.18	68.7	5.34	71.4	5.47	73.4	5.55
		288.0	52.1	3.28	56.4	3.93	61.4	4.58	66.7	5.12	68.7	5.28	71.4	5.42	73.4	5.47
	15	76.8	51.2	4.96	55.5	5.78	60.4	6.73	65.6	7.56	67.6	7.74	70.2	7.95	72.2	8.08
		96.0	51.2	4.86	55.5	5.68	60.4	6.62	65.6	7.44	67.6	7.62	70.2	7.82	72.2	7.96
		192.0	51.2	4.48	55.5	5.30	60.4	6.18	65.6	6.96	67.6	7.14	70.2	7.32	72.2	7.48
		240.0	51.2	4.36	55.5	5.20	60.4	6.06	65.6	6.82	67.6	7.00	70.2	7.18	72.2	7.30
		288.0	51.2	4.30	55.5	5.15	60.4	6.00	65.6	6.75	67.6	6.93	70.2	7.11	72.2	7.21
	20	76.8	50.5	6.02	54.7	6.99	59.5	8.15	64.7	9.17	66.6	9.39	69.2	9.61	71.2	9.79
		96.0	50.5	5.90	54.7	6.88	59.5	8.02	64.7	9.02	66.6	9.24	69.2	9.46	71.2	9.64
		192.0	50.5	5.42	54.7	6.44	59.5	7.50	64.7	8.44	66.6	8.64	69.2	8.88	71.2	9.06
		240.0	50.5	5.28	54.7	6.30	59.5	7.34	64.7	8.28	66.6	8.48	69.2	8.70	71.2	8.86
		288.0	50.5	5.21	54.7	6.23	59.5	7.26	64.7	8.20	66.6	8.40	69.2	8.61	71.2	8.76
	25	76.8	50.5	7.43	54.7	8.62	59.5	10.04	64.7	11.33	66.6	11.59	69.2	11.86	71.2	12.06
		96.0	50.5	7.28	54.7	8.48	59.5	9.88	64.7	11.14	66.6	11.40	69.2	11.68	71.2	11.88
		192.0	50.5	6.70	54.7	7.94	59.5	9.24	64.7	10.40	66.6	10.66	69.2	10.96	71.2	11.16
		240.0	50.5	6.50	54.7	7.76	59.5	9.06	64.7	10.20	66.6	10.46	69.2	10.74	71.2	10.92
		288.0	50.5	6.40	54.7	7.67	59.5	8.97	64.7	10.10	66.6	10.36	69.2	10.63	71.2	10.80
	30	76.8	50.5	8.92	54.7	10.35	59.5	12.05	64.7	13.58	66.6	13.90	69.2	14.24	71.2	14.48
		96.0	50.5	8.74	54.7	10.18	59.5	11.86	64.7	13.36	66.6	13.68	69.2	14.02	71.2	14.26
		192.0	50.5	8.02	54.7	9.52	59.5	11.10	64.7	12.48	66.6	12.80	69.2	13.14	71.2	13.40
		240.0	50.5	7.80	54.7	9.32	59.5	10.86	64.7	12.24	66.6	12.56	69.2	12.88	71.2	13.10
		288.0	50.5	7.69	54.7	9.22	59.5	10.74	64.7	12.12	66.6	12.44	69.2	12.75	71.2	12.95
	35	76.8	45.4	9.00	49.2	10.47	53.5	12.20	58.2	13.72	60.0	14.07	62.3	14.41	64.1	14.64
		96.0	45.4	8.82	49.2	10.30	53.5	12.00	58.2	13.50	60.0	13.84	62.3	14.18	64.1	14.42
		192.0	45.4	8.12	49.2	9.62	53.5	11.22	58.2	12.64	60.0	12.94	62.3	13.28	64.1	13.56
		240.0	45.4	7.90	49.2	9.42	53.5	10.98	58.2	12.38	60.0	12.70	62.3	13.02	64.1	13.24
		288.0	45.4	7.79	49.2	9.32	53.5	10.86	58.2	12.25	60.0	12.58	62.3	12.89	64.1	13.08
	40	76.8	40.4	9.51	43.7	11.04	47.6	12.87	51.7	14.47	53.3	14.81	55.4	15.17	56.9	15.45
		96.0	40.4	9.32	43.7	10.86	47.6	12.66	51.7	14.24	53.3	14.58	55.4	14.94	56.9	15.22
		192.0	40.4	8.56	43.7	10.16	47.6	11.84	51.7	13.32	53.3	13.66	55.4	14.02	56.9	14.30
		240.0	40.4	8.32	43.7	9.94	47.6	11.58	51.7	13.06	53.3	13.40	55.4	13.74	56.9	13.98
		288.0	40.4	8.20	43.7	9.83	47.6	11.45	51.7	12.93	53.3	13.27	55.4	13.60	56.9	13.82
	45	76.8	35.3	10.03	38.3	11.60	41.6	13.54	45.3	15.23	46.7	15.56	48.4	15.94	49.8	16.27
		96.0	35.3	9.82	38.3	11.42	41.6	13.32	45.3	14.98	46.7	15.32	48.4	15.70	49.8	16.02
		192.0	35.3	9.00	38.3	10.70	41.6	12.46	45.3	14.00	46.7	14.38	48.4	14.76	49.8	15.04
		240.0	35.3	8.74	38.3	10.46	41.6	12.18	45.3	13.74	46.7	14.10	48.4	14.46	49.8	14.72
		288.0	35.3	8.61	38.3	10.34	41.6	12.04	45.3	13.61	46.7	13.96	48.4	14.31	49.8	14.56
120	10	76.8	49.3	3.59	53.3	4.18	58.1	4.84	63.1	5.45	65.0	5.62	67.6	5.76	69.5	5.82
		96.0	49.3	3.51	53.3	4.11	58.1	4.77	63.1	5.37	65.0	5.52	67.6	5.66	69.5	5.73
		192.0	49.3	3.22	53.3	3.84	58.1	4.48	63.1	5.02	65.0	5.13	67.6	5.27	69.5	5.39
		240.0	49.3	3.13	53.3	3.72	58.1	4.38	63.1	4.90	65.0	5.06	67.6	5.17	69.5	5.27
		288.0	49.3	3.08	53.3	3.66	58.1	4.33	63.1	4.84	65.0	5.02	67.6	5.12	69.5	5.21
	15	76.8	48.7	4.76	52.7	5.53	57.5	6.42	62.4	7.24	64.3	7.42	66.8	7.60	68.7	7.72
		96.0	48.7	4.66	52.7	5.44	57.5	6.32	62.4	7.12	64.3	7.30	66.8	7.48	68.7	7.60
		192.0	48.7	4.28	52.7	5.08	57.5	5.92	62.4	6.66	64.3	6.82	66.8	7.00	68.7	7.14
		240.0	48.7	4.16	52.7	4.96	57.5	5.80	62.4	6.52	64.3	6.70	66.8	6.86	68.7	6.98
		288.0	48.7	4.10	52.7	4.90	57.5	5.74	62.4	6.45	64.3	6.64	66.8	6.79	68.7	6.90
	20	76.8	48.2	5.80	52.2	6.73	56.9	7.83	61.8	8.82	63.6	9.02	66.1	9.24	68.0	9.40
		96.0	48.2	5.68	52.2	6.62	56.9	7.70	61.8	8.68	63.6	8.88	66.1	9.10	68.0	9.26
		192.0	48.2	5.22	52.2	6.18	56.9	7.20	61.8	8.12	63.6	8.32	66.1	8.54	68.0	8.70
		240.0	48.2	5.08	52.2	6.06	56.9	7.06	61.8	7.96	63.6	8.16	66.1	8.36	68.0	8.50
		288.0	48.2	5.01	52.2	6.00	56.9	6.99	61.8	7.88	63.6	8.08	66.1	8.27	68.0	8.40
	25	76.8	48.2	7.12	52.2	8.28	56.9	9.64	61.8	10.83	63.6	11.10	66.1	11.38	68.0	11.58
		96.0	48.2	6.98	52.2	8.14	56.9	9.48	61.8	10.66	63.6	10.92	66.1	11.20	68.0	11.40
		192.0	48.2	6.42	52.2	7.60	56.9	8.86	61.8	9.98	63.6	10.22	66.1	10.48	68.0	10.70
		240.0	48.2	6.24	52.2	7.44	56.9	8.68	61.8	9.78	63.6	10.02	66.1	10.28	68.0	10.44
		288.0	48.2	6.15	52.2	7.36	56.9	8.59	61.8	9.68	63.6	9.92	66.1	10.18	68.0	10.31
	30	76.8	48.2	8.59	52.2	10.00	56.9	11.65	61.8	13.11	63.6	13.41	66.1	13.76	68.0	14.00
		96.0	48.2	8.42	52.2	9.84	56.9	11.46	61.8	12.90	63.6	13.20	66.1	13.54	68.0	13.78
		192.0	48.2	7.76	52.2	9.20	56.9	10.70	61.8	12.06	63.6	12.36	66.1	12.68	68.0	12.92
		240.0	48.2	7.54	52.2	9.00	56.9	10.48	61.8	11.82	63.6	12.12	66.1	12.44	68.0	12.62
		288.0	48.2	7.43	52.2	8.90	56.9	10.37	61.8	11.70	63.6	12.00	66.1	12.32	68.0	12.47

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.

2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	76.8	44.1	8.82	47.8	10.25	52.0	11.93	56.5	13.44	58.2	13.76	60.5	14.08	62.2	14.34
		96.0	44.1	8.64	47.8	10.08	52.0	11.74	56.5	13.22	58.2	13.54	60.5	13.86	62.2	14.12
		192.0	44.1	7.94	47.8	9.42	52.0	10.98	56.5	12.36	58.2	12.66	60.5	13.00	62.2	13.24
		240.0	44.1	7.72	47.8	9.22	52.0	10.76	56.5	12.12	58.2	12.42	60.5	12.74	62.2	12.94
		288.0	44.1	7.61	47.8	9.12	52.0	10.65	56.5	12.00	58.2	12.30	60.5	12.61	62.2	12.79
	40	76.8	40.0	9.49	43.3	11.02	47.2	12.85	51.3	14.45	52.8	14.80	54.9	15.16	56.4	15.44
		96.0	40.0	9.30	43.3	10.84	47.2	12.64	51.3	14.22	52.8	14.56	54.9	14.92	56.4	15.20
		192.0	40.0	8.56	43.3	10.14	47.2	11.82	51.3	13.30	52.8	13.62	54.9	13.98	56.4	14.26
		240.0	40.0	8.32	43.3	9.92	47.2	11.58	51.3	13.04	52.8	13.38	54.9	13.72	56.4	13.92
		288.0	40.0	8.20	43.3	9.81	47.2	11.46	51.3	12.91	52.8	13.26	54.9	13.59	56.4	13.75
	45	76.8	35.9	10.16	38.9	11.79	42.3	13.76	46.1	15.47	47.5	15.83	49.3	16.24	50.6	16.53
		96.0	35.9	9.96	38.9	11.60	42.3	13.54	46.1	15.22	47.5	15.58	49.3	15.98	50.6	16.28
		192.0	35.9	9.18	38.9	10.86	42.3	12.66	46.1	14.24	47.5	14.58	49.3	14.96	50.6	15.28
		240.0	35.9	8.92	38.9	10.62	42.3	12.40	46.1	13.96	47.5	14.34	49.3	14.70	50.6	14.90
		288.0	35.9	8.79	38.9	10.50	42.3	12.27	46.1	13.82	47.5	14.22	49.3	14.57	50.6	14.71
110	10	76.8	46.5	3.38	50.4	3.92	54.8	4.59	59.5	5.15	61.3	5.26	63.8	5.43	65.4	5.50
		96.0	46.5	3.32	50.4	3.85	54.8	4.51	59.5	5.07	61.3	5.18	63.8	5.34	65.4	5.42
		192.0	46.5	3.05	50.4	3.60	54.8	4.20	59.5	4.74	61.3	4.88	63.8	4.99	65.4	5.07
		240.0	46.5	2.97	50.4	3.53	54.8	4.10	59.5	4.67	61.3	4.74	63.8	4.90	65.4	4.95
		288.0	46.5	2.93	50.4	3.49	54.8	4.05	59.5	4.63	61.3	4.67	63.8	4.85	65.4	4.89
	15	76.8	46.2	4.53	50.0	5.27	54.5	6.14	59.2	6.91	61.0	7.07	63.4	7.26	65.1	7.38
		96.0	46.2	4.44	50.0	5.18	54.5	6.04	59.2	6.80	61.0	6.96	63.4	7.14	65.1	7.26
		192.0	46.2	4.08	50.0	4.84	54.5	5.64	59.2	6.36	61.0	6.52	63.4	6.68	65.1	6.80
		240.0	46.2	3.98	50.0	4.74	54.5	5.52	59.2	6.24	61.0	6.38	63.4	6.56	65.1	6.64
		288.0	46.2	3.93	50.0	4.69	54.5	5.46	59.2	6.18	61.0	6.31	63.4	6.50	65.1	6.56
	20	76.8	46.0	5.55	49.8	6.47	54.2	7.52	58.9	8.48	60.7	8.68	63.0	8.88	64.8	9.04
		96.0	46.0	5.44	49.8	6.36	54.2	7.40	58.9	8.34	60.7	8.54	63.0	8.74	64.8	8.90
		192.0	46.0	5.00	49.8	5.94	54.2	6.92	58.9	7.80	60.7	7.98	63.0	8.18	64.8	8.34
		240.0	46.0	4.88	49.8	5.82	54.2	6.78	58.9	7.64	60.7	7.84	63.0	8.04	64.8	8.14
		288.0	46.0	4.82	49.8	5.76	54.2	6.71	58.9	7.56	60.7	7.77	63.0	7.97	64.8	8.04
	25	76.8	46.0	6.79	49.8	7.91	54.2	9.21	58.9	10.37	60.7	10.61	63.0	10.87	64.8	11.07
		96.0	46.0	6.66	49.8	7.78	54.2	9.06	58.9	10.20	60.7	10.44	63.0	10.70	64.8	10.90
		192.0	46.0	6.14	49.8	7.28	54.2	8.48	58.9	9.54	60.7	9.78	63.0	10.02	64.8	10.22
		240.0	46.0	5.96	49.8	7.12	54.2	8.30	58.9	9.36	60.7	9.58	63.0	9.84	64.8	9.96
		288.0	46.0	5.87	49.8	7.04	54.2	8.21	58.9	9.27	60.7	9.48	63.0	9.75	64.8	9.83
	30	76.8	46.0	8.28	49.8	9.64	54.2	11.22	58.9	12.65	60.7	12.95	63.0	13.25	64.8	13.49
		96.0	46.0	8.12	49.8	9.48	54.2	11.04	58.9	12.44	60.7	12.74	63.0	13.04	64.8	13.28
		192.0	46.0	7.48	49.8	8.86	54.2	10.32	58.9	11.62	60.7	11.92	63.0	12.22	64.8	12.44
		240.0	46.0	7.28	49.8	8.68	54.2	10.12	58.9	11.40	60.7	11.68	63.0	11.98	64.8	12.14
		288.0	46.0	7.18	49.8	8.59	54.2	10.02	58.9	11.29	60.7	11.56	63.0	11.86	64.8	11.99
	35	76.8	42.8	8.63	46.4	10.02	50.5	11.67	54.9	13.15	56.5	13.46	58.7	13.78	60.4	14.04
		96.0	42.8	8.46	46.4	9.86	50.5	11.48	54.9	12.94	56.5	13.24	58.7	13.56	60.4	13.82
		192.0	42.8	7.78	46.4	9.22	50.5	10.74	54.9	12.10	56.5	12.38	58.7	12.70	60.4	12.94
		240.0	42.8	7.56	46.4	9.02	50.5	10.52	54.9	11.86	56.5	12.16	58.7	12.46	60.4	12.62
		288.0	42.8	7.45	46.4	8.92	50.5	10.41	54.9	11.74	56.5	12.05	58.7	12.34	60.4	12.46
	40	76.8	39.6	9.47	43.0	11.02	46.8	12.83	50.9	14.43	52.4	14.78	54.4	15.14	55.9	15.42
		96.0	39.6	9.28	43.0	10.84	46.8	12.62	50.9	14.20	52.4	14.54	54.4	14.90	55.9	15.18
		192.0	39.6	8.54	43.0	10.12	46.8	11.80	50.9	13.28	52.4	13.60	54.4	13.96	55.9	14.22
		240.0	39.6	8.30	43.0	9.90	46.8	11.56	50.9	13.02	52.4	13.36	54.4	13.70	55.9	13.86
		288.0	39.6	8.18	43.0	9.79	46.8	11.44	50.9	12.89	52.4	13.24	54.4	13.57	55.9	13.68
	45	76.8	36.5	10.30	39.6	12.02	43.0	13.99	46.8	15.71	48.2	16.10	50.1	16.50	51.5	16.80
		96.0	36.5	10.10	39.6	11.82	43.0	13.76	46.8	15.46	48.2	15.84	50.1	16.24	51.5	16.54
		192.0	36.5	9.30	39.6	11.02	43.0	12.86	46.8	14.46	48.2	14.82	50.1	15.22	51.5	15.50
		240.0	36.5	9.04	39.6	10.78	43.0	12.60	46.8	14.18	48.2	14.56	50.1	14.94	51.5	15.10
		288.0	36.5	8.91	39.6	10.66	43.0	12.47	46.8	14.04	48.2	14.43	50.1	14.80	51.5	14.90
100	10	76.8	43.7	3.20	47.3	3.72	51.5	4.27	56.0	4.87	57.7	4.94	59.9	5.11	61.6	5.20
		96.0	43.7	3.14	47.3	3.66	51.5	4.21	56.0	4.79	57.7	4.87	59.9	5.02	61.6	5.12
		192.0	43.7	2.89	47.3	3.41	51.5	3.96	56.0	4.49	57.7	4.58	59.9	4.70	61.6	4.79
		240.0	43.7	2.79	47.3	3.33	51.5	3.87	56.0	4.39	57.7	4.48	59.9	4.60	61.6	4.64
		288.0	43.7	2.74	47.3	3.29	51.5	3.82	56.0	4.34	57.7	4.43	59.9	4.55	61.6	4.56
	15	76.8	43.7	4.33	47.3	5.02	51.5	5.83	56.0	6.59	57.7	6.73	59.9	6.91	61.6	7.03
		96.0	43.7	4.24	47.3	4.94	51.5	5.74	56.0	6.48	57.7	6.62	59.9	6.80	61.6	6.92
		192.0	43.7	3.90	47.3	4.62	51.5	5.38	56.0	6.06	57.7	6.20	59.9	6.36	61.6	6.48
		240.0	43.7	3.78	47.3	4.52	51.5	5.26	56.0	5.94	57.7	6.08	59.9	6.24	61.6	6.30
		288.0	43.7	3.72	47.3	4.47	51.5	5.20	56.0	5.88	57.7	6.02	59.9	6.18	61.6	6.21

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	76.8	43.7	5.33	47.3	6.18	51.5	7.22	56.0	8.11	57.7	8.32	59.9	8.52	61.6	8.66
		96.0	43.7	5.22	47.3	6.08	51.5	7.10	56.0	7.98	57.7	8.18	59.9	8.38	61.6	8.52
		192.0	43.7	4.80	47.3	5.70	51.5	6.64	56.0	7.46	57.7	7.64	59.9	7.84	61.6	7.98
		240.0	43.7	4.66	47.3	5.58	51.5	6.50	56.0	7.32	57.7	7.50	59.9	7.70	61.6	7.78
		288.0	43.7	4.59	47.3	5.52	51.5	6.43	56.0	7.25	57.7	7.43	59.9	7.63	61.6	7.68
	25	76.8	43.7	6.49	47.3	7.54	51.5	8.78	56.0	9.90	57.7	10.15	59.9	10.39	61.6	10.57
		96.0	43.7	6.36	47.3	7.42	51.5	8.64	56.0	9.74	57.7	9.98	59.9	10.22	61.6	10.40
		192.0	43.7	5.86	47.3	6.94	51.5	8.08	56.0	9.10	57.7	9.32	59.9	9.56	61.6	9.74
		240.0	43.7	5.70	47.3	6.80	51.5	7.92	56.0	8.92	57.7	9.14	59.9	9.38	61.6	9.48
		288.0	43.7	5.62	47.3	6.73	51.5	7.84	56.0	8.83	57.7	9.05	59.9	9.29	61.6	9.35
	30	76.8	43.7	7.98	47.3	9.29	51.5	10.82	56.0	12.18	57.7	12.46	59.9	12.76	61.6	13.01
		96.0	43.7	7.82	47.3	9.14	51.5	10.64	56.0	11.98	57.7	12.26	59.9	12.56	61.6	12.80
		192.0	43.7	7.20	47.3	8.54	51.5	9.94	56.0	11.20	57.7	11.46	59.9	11.76	61.6	11.98
		240.0	43.7	7.00	47.3	8.36	51.5	9.74	56.0	10.98	57.7	11.26	59.9	11.54	61.6	11.66
		288.0	43.7	6.90	47.3	8.27	51.5	9.64	56.0	10.87	57.7	11.16	59.9	11.43	61.6	11.50
	35	76.8	41.5	8.43	45.0	9.80	48.9	11.40	53.2	12.85	54.8	13.15	56.9	13.47	58.5	13.72
		96.0	41.5	8.26	45.0	9.64	48.9	11.22	53.2	12.64	54.8	12.94	56.9	13.26	58.5	13.50
		192.0	41.5	7.60	45.0	9.02	48.9	10.50	53.2	11.82	54.8	12.10	56.9	12.42	58.5	12.64
		240.0	41.5	7.40	45.0	8.82	48.9	10.28	53.2	11.60	54.8	11.88	56.9	12.18	58.5	12.30
		288.0	41.5	7.30	45.0	8.72	48.9	10.17	53.2	11.49	54.8	11.77	56.9	12.06	58.5	12.13
	40	76.8	39.3	9.47	42.6	11.00	46.4	12.81	50.4	14.41	51.9	14.76	54.0	15.12	55.4	15.38
		96.0	39.3	9.28	42.6	10.82	46.4	12.60	50.4	14.18	51.9	14.52	54.0	14.88	55.4	15.14
		192.0	39.3	8.52	42.6	10.12	46.4	11.78	50.4	13.26	51.9	13.58	54.0	13.92	55.4	14.18
		240.0	39.3	8.30	42.6	9.90	46.4	11.54	50.4	13.00	51.9	13.32	54.0	13.66	55.4	13.80
		288.0	39.3	8.19	42.6	9.79	46.4	11.42	50.4	12.87	51.9	13.19	54.0	13.53	55.4	13.61
	45	76.8	37.1	10.52	40.2	12.20	43.8	14.21	47.6	15.98	49.1	16.36	51.0	16.77	52.3	17.05
		96.0	37.1	10.30	40.2	12.00	43.8	13.98	47.6	15.72	49.1	16.10	51.0	16.50	52.3	16.78
		192.0	37.1	9.44	40.2	11.22	43.8	13.06	47.6	14.70	49.1	15.06	51.0	15.42	52.3	15.72
		240.0	37.1	9.20	40.2	10.98	43.8	12.80	47.6	14.40	49.1	14.76	51.0	15.14	52.3	15.30
		288.0	37.1	9.08	40.2	10.86	43.8	12.67	47.6	14.25	49.1	14.61	51.0	15.00	52.3	15.09
90	10	76.8	39.3	2.72	42.6	3.16	46.4	3.69	50.4	4.18	51.9	4.26	54.0	4.34	55.4	4.48
		96.0	39.3	2.67	42.6	3.12	46.4	3.64	50.4	4.12	51.9	4.19	54.0	4.29	55.4	4.41
		192.0	39.3	2.48	42.6	2.95	46.4	3.41	50.4	3.87	51.9	3.95	54.0	4.06	55.4	4.12
		240.0	39.3	2.41	42.6	2.85	46.4	3.35	50.4	3.75	51.9	3.87	54.0	3.99	55.4	3.98
		288.0	39.3	2.37	42.6	2.79	46.4	3.32	50.4	3.69	51.9	3.83	54.0	3.95	55.4	3.91
	15	76.8	39.3	3.71	42.6	4.31	46.4	5.02	50.4	5.67	51.9	5.79	54.0	5.93	55.4	6.06
		96.0	39.3	3.64	42.6	4.24	46.4	4.94	50.4	5.58	51.9	5.70	54.0	5.84	55.4	5.96
		192.0	39.3	3.36	42.6	3.98	46.4	4.62	50.4	5.22	51.9	5.34	54.0	5.48	55.4	5.58
		240.0	39.3	3.26	42.6	3.88	46.4	4.54	50.4	5.10	51.9	5.24	54.0	5.38	55.4	5.42
		288.0	39.3	3.21	42.6	3.83	46.4	4.50	50.4	5.04	51.9	5.19	54.0	5.33	55.4	5.34
	20	76.8	39.3	4.59	42.6	5.33	46.4	6.20	50.4	7.00	51.9	7.16	54.0	7.34	55.4	7.46
		96.0	39.3	4.50	42.6	5.24	46.4	6.10	50.4	6.88	51.9	7.04	54.0	7.22	55.4	7.34
		192.0	39.3	4.14	42.6	4.90	46.4	5.70	50.4	6.42	51.9	6.58	54.0	6.74	55.4	6.88
		240.0	39.3	4.02	42.6	4.80	46.4	5.60	50.4	6.30	51.9	6.46	54.0	6.62	55.4	6.70
		288.0	39.3	3.96	42.6	4.75	46.4	5.55	50.4	6.24	51.9	6.40	54.0	6.56	55.4	6.61
	25	76.8	39.3	5.59	42.6	6.51	46.4	7.56	50.4	8.52	51.9	8.72	54.0	8.94	55.4	9.11
		96.0	39.3	5.48	42.6	6.40	46.4	7.44	50.4	8.38	51.9	8.58	54.0	8.80	55.4	8.96
		192.0	39.3	5.04	42.6	5.98	46.4	6.96	50.4	7.84	51.9	8.02	54.0	8.24	55.4	8.38
		240.0	39.3	4.90	42.6	5.84	46.4	6.82	50.4	7.68	51.9	7.88	54.0	8.08	55.4	8.16
		288.0	39.3	4.83	42.6	5.77	46.4	6.75	50.4	7.60	51.9	7.81	54.0	8.00	55.4	8.05
	30	76.8	39.3	6.88	42.6	7.99	46.4	9.31	50.4	10.49	51.9	10.73	54.0	11.00	55.4	11.20
		96.0	39.3	6.74	42.6	7.86	46.4	9.16	50.4	10.32	51.9	10.56	54.0	10.82	55.4	11.02
		192.0	39.3	6.20	42.6	7.34	46.4	8.56	50.4	9.64	51.9	9.88	54.0	10.12	55.4	10.30
		240.0	39.3	6.02	42.6	7.20	46.4	8.38	50.4	9.46	51.9	9.68	54.0	9.94	55.4	10.04
		288.0	39.3	5.93	42.6	7.13	46.4	8.29	50.4	9.37	51.9	9.58	54.0	9.85	55.4	9.91
	35	76.8	38.2	7.43	41.4	8.62	45.1	10.04	49.0	11.30	50.5	11.57	52.4	11.85	53.9	12.07
		96.0	38.2	7.28	41.4	8.48	45.1	9.88	49.0	11.12	50.5	11.38	52.4	11.66	53.9	11.88
		192.0	38.2	6.68	41.4	7.92	45.1	9.24	49.0	10.40	50.5	10.64	52.4	10.92	53.9	11.12
		240.0	38.2	6.50	41.4	7.76	45.1	9.04	49.0	10.20	50.5	10.46	52.4	10.72	53.9	10.82
		288.0	38.2	6.41	41.4	7.68	45.1	8.94	49.0	10.10	50.5	10.37	52.4	10.62	53.9	10.67
	40	76.8	37.1	8.53	40.2	9.90	43.8	11.52	47.6	12.99	49.1	13.29	50.9	13.62	52.4	13.86
		96.0	37.1	8.36	40.2	9.74	43.8	11.34	47.6	12.78	49.1	13.08	50.9	13.40	52.4	13.64
		192.0	37.1	7.68	40.2	9.10	43.8	10.62	47.6	11.94	49.1	12.24	50.9	12.54	52.4	12.78
		240.0	37.1	7.46	40.2	8.92	43.8	10.40	47.6	11.72	49.1	12.00	50.9	12.32	52.4	12.44
		288.0	37.1	7.35	40.2	8.83	43.8	10.29	47.6	11.61	49.1	11.88	50.9	12.21	52.4	12.27

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	76.8	36.0	9.63	39.1	11.18	42.5	13.00	46.2	14.68	47.6	15.02	49.4	15.39	50.9	15.64
		96.0	36.0	9.44	39.1	11.00	42.5	12.80	46.2	14.44	47.6	14.78	49.4	15.14	50.9	15.40
		192.0	36.0	8.68	39.1	10.28	42.5	12.00	46.2	13.48	47.6	13.84	49.4	14.16	50.9	14.44
		240.0	36.0	8.42	39.1	10.08	42.5	11.76	46.2	13.24	47.6	13.54	49.4	13.92	50.9	14.06
		288.0	36.0	8.29	39.1	9.98	42.5	11.64	46.2	13.12	47.6	13.39	49.4	13.80	50.9	13.87
80	10	76.8	34.9	2.33	37.8	2.65	41.2	3.08	44.8	3.53	46.1	3.57	47.9	3.68	49.3	3.71
		96.0	34.9	2.27	37.8	2.62	41.2	3.04	44.8	3.47	46.1	3.52	47.9	3.62	49.3	3.65
		192.0	34.9	2.06	37.8	2.49	41.2	2.87	44.8	3.21	46.1	3.31	47.9	3.37	49.3	3.42
		240.0	34.9	2.04	37.8	2.41	41.2	2.81	44.8	3.16	46.1	3.21	47.9	3.31	49.3	3.35
		288.0	34.9	2.03	37.8	2.36	41.2	2.78	44.8	3.13	46.1	3.16	47.9	3.28	49.3	3.31
	15	76.8	34.9	3.13	37.8	3.62	41.2	4.21	44.8	4.76	46.1	4.86	47.9	4.98	49.3	5.06
		96.0	34.9	3.06	37.8	3.56	41.2	4.14	44.8	4.68	46.1	4.78	47.9	4.90	49.3	4.98
		192.0	34.9	2.80	37.8	3.34	41.2	3.88	44.8	4.36	46.1	4.48	47.9	4.58	49.3	4.66
		240.0	34.9	2.74	37.8	3.26	41.2	3.80	44.8	4.28	46.1	4.38	47.9	4.50	49.3	4.54
		288.0	34.9	2.71	37.8	3.22	41.2	3.76	44.8	4.24	46.1	4.33	47.9	4.46	49.3	4.48
	20	76.8	34.9	3.84	37.8	4.48	41.2	5.21	44.8	5.86	46.1	6.00	47.9	6.14	49.3	6.26
		96.0	34.9	3.76	37.8	4.40	41.2	5.12	44.8	5.76	46.1	5.90	47.9	6.04	49.3	6.16
		192.0	34.9	3.46	37.8	4.10	41.2	4.78	44.8	5.38	46.1	5.52	47.9	5.66	49.3	5.76
		240.0	34.9	3.36	37.8	4.02	41.2	4.68	44.8	5.28	46.1	5.42	47.9	5.56	49.3	5.60
		288.0	34.9	3.31	37.8	3.98	41.2	4.63	44.8	5.23	46.1	5.37	47.9	5.51	49.3	5.52
	25	76.8	34.9	4.70	37.8	5.45	41.2	6.34	44.8	7.13	46.1	7.32	47.9	7.50	49.3	7.62
		96.0	34.9	4.60	37.8	5.36	41.2	6.24	44.8	7.02	46.1	7.20	47.9	7.38	49.3	7.50
		192.0	34.9	4.22	37.8	5.00	41.2	5.84	44.8	6.58	46.1	6.72	47.9	6.90	49.3	7.02
		240.0	34.9	4.10	37.8	4.90	41.2	5.72	44.8	6.44	46.1	6.60	47.9	6.78	49.3	6.84
		288.0	34.9	4.04	37.8	4.85	41.2	5.66	44.8	6.37	46.1	6.54	47.9	6.72	49.3	6.75
	30	76.8	34.9	5.75	37.8	6.69	41.2	7.81	44.8	8.78	46.1	8.98	47.9	9.21	49.3	9.39
		96.0	34.9	5.64	37.8	6.58	41.2	7.68	44.8	8.64	46.1	8.84	47.9	9.06	49.3	9.24
		192.0	34.9	5.20	37.8	6.16	41.2	7.18	44.8	8.08	46.1	8.28	47.9	8.48	49.3	8.64
		240.0	34.9	5.06	37.8	6.02	41.2	7.02	44.8	7.92	46.1	8.12	47.9	8.32	49.3	8.42
		288.0	34.9	4.99	37.8	5.95	41.2	6.94	44.8	7.84	46.1	8.04	47.9	8.24	49.3	8.31
	35	76.8	34.9	6.41	37.8	7.44	41.2	8.66	44.8	9.76	46.1	10.00	47.9	10.25	49.3	10.43
		96.0	34.9	6.28	37.8	7.32	41.2	8.52	44.8	9.60	46.1	9.84	47.9	10.08	49.3	10.26
		192.0	34.9	5.78	37.8	6.84	41.2	7.98	44.8	8.98	46.1	9.20	47.9	9.42	49.3	9.60
		240.0	34.9	5.62	37.8	6.70	41.2	7.82	44.8	8.80	46.1	9.02	47.9	9.26	49.3	9.34
		288.0	34.9	5.54	37.8	6.63	41.2	7.74	44.8	8.71	46.1	8.93	47.9	9.18	49.3	9.21
	40	76.8	34.9	7.59	37.8	8.83	41.2	10.27	44.8	11.57	46.1	11.83	47.9	12.14	49.3	12.34
		96.0	34.9	7.44	37.8	8.68	41.2	10.10	44.8	11.38	46.1	11.64	47.9	11.94	49.3	12.14
		192.0	34.9	6.84	37.8	8.10	41.2	9.44	44.8	10.64	46.1	10.88	47.9	11.16	49.3	11.36
		240.0	34.9	6.64	37.8	7.94	41.2	9.24	44.8	10.42	46.1	10.68	47.9	10.96	49.3	11.06
		288.0	34.9	6.54	37.8	7.86	41.2	9.14	44.8	10.31	46.1	10.58	47.9	10.86	49.3	10.91
	45	76.8	34.9	8.78	37.8	10.21	41.2	11.88	44.8	13.38	46.1	13.66	47.9	14.03	49.3	14.25
		96.0	34.9	8.60	37.8	10.04	41.2	11.68	44.8	13.16	46.1	13.44	47.9	13.80	49.3	14.02
		192.0	34.9	7.90	37.8	9.36	41.2	10.90	44.8	12.30	46.1	12.56	47.9	12.90	49.3	13.12
		240.0	34.9	7.66	37.8	9.18	41.2	10.66	44.8	12.04	46.1	12.34	47.9	12.66	49.3	12.78
		288.0	34.9	7.54	37.8	9.09	41.2	10.54	44.8	11.91	46.1	12.23	47.9	12.54	49.3	12.61
70	10	76.8	30.6	1.90	33.1	2.21	36.1	2.56	39.2	2.88	40.4	2.99	41.9	3.07	43.1	3.08
		96.0	30.6	1.87	33.1	2.17	36.1	2.52	39.2	2.85	40.4	2.95	41.9	3.02	43.1	3.04
		192.0	30.6	1.73	33.1	2.02	36.1	2.37	39.2	2.70	40.4	2.75	41.9	2.83	43.1	2.87
		240.0	30.6	1.70	33.1	1.98	36.1	2.33	39.2	2.62	40.4	2.67	41.9	2.75	43.1	2.79
		288.0	30.6	1.68	33.1	1.96	36.1	2.31	39.2	2.57	40.4	2.63	41.9	2.71	43.1	2.75
	15	76.8	30.6	2.59	33.1	3.01	36.1	3.50	39.2	3.94	40.4	4.05	41.9	4.15	43.1	4.21
		96.0	30.6	2.54	33.1	2.96	36.1	3.44	39.2	3.88	40.4	3.98	41.9	4.08	43.1	4.14
		192.0	30.6	2.34	33.1	2.76	36.1	3.22	39.2	3.64	40.4	3.72	41.9	3.82	43.1	3.88
		240.0	30.6	2.28	33.1	2.70	36.1	3.16	39.2	3.56	40.4	3.64	41.9	3.74	43.1	3.78
		288.0	30.6	2.25	33.1	2.67	36.1	3.13	39.2	3.52	40.4	3.60	41.9	3.70	43.1	3.73
	20	76.8	30.6	3.21	33.1	3.72	36.1	4.33	39.2	4.88	40.4	4.98	41.9	5.10	43.1	5.21
		96.0	30.6	3.14	33.1	3.66	36.1	4.26	39.2	4.80	40.4	4.90	41.9	5.02	43.1	5.12
		192.0	30.6	2.88	33.1	3.42	36.1	3.98	39.2	4.48	40.4	4.58	41.9	4.70	43.1	4.78
		240.0	30.6	2.80	33.1	3.34	36.1	3.90	39.2	4.40	40.4	4.50	41.9	4.62	43.1	4.66
		288.0	30.6	2.76	33.1	3.30	36.1	3.86	39.2	4.36	40.4	4.46	41.9	4.58	43.1	4.60
	25	76.8	30.6	3.90	33.1	4.54	36.1	5.26	39.2	5.94	40.4	6.08	41.9	6.22	43.1	6.34
		96.0	30.6	3.82	33.1	4.46	36.1	5.18	39.2	5.84	40.4	5.98	41.9	6.12	43.1	6.24
		192.0	30.6	3.52	33.1	4.16	36.1	4.86	39.2	5.46	40.4	5.60	41.9	5.74	43.1	5.84
		240.0	30.6	3.42	33.1	4.08	36.1	4.76	39.2	5.36	40.4	5.48	41.9	5.62	43.1	5.68
		288.0	30.6	3.37	33.1	4.04	36.1	4.71	39.2	5.31	40.4	5.42	41.9	5.56	43.1	5.60

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.

2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	76.8	30.6	4.80	33.1	5.57	36.1	6.49	39.2	7.30	40.4	7.48	41.9	7.66	43.1	7.81
		96.0	30.6	4.70	33.1	5.48	36.1	6.38	39.2	7.18	40.4	7.36	41.9	7.54	43.1	7.68
		192.0	30.6	4.32	33.1	5.12	36.1	5.96	39.2	6.72	40.4	6.88	41.9	7.06	43.1	7.18
		240.0	30.6	4.20	33.1	5.02	36.1	5.84	39.2	6.58	40.4	6.76	41.9	6.92	43.1	7.00
		288.0	30.6	4.14	33.1	4.97	36.1	5.78	39.2	6.51	40.4	6.70	41.9	6.85	43.1	6.91
	35	76.8	30.6	5.33	33.1	6.18	36.1	7.22	39.2	8.11	40.4	8.32	41.9	8.52	43.1	8.66
		96.0	30.6	5.22	33.1	6.08	36.1	7.10	39.2	7.98	40.4	8.18	41.9	8.38	43.1	8.52
		192.0	30.6	4.80	33.1	5.70	36.1	6.62	39.2	7.46	40.4	7.64	41.9	7.84	43.1	7.98
		240.0	30.6	4.66	33.1	5.56	36.1	6.50	39.2	7.32	40.4	7.50	41.9	7.70	43.1	7.78
		288.0	30.6	4.59	33.1	5.49	36.1	6.44	39.2	7.25	40.4	7.43	41.9	7.63	43.1	7.68
	40	76.8	30.6	6.31	33.1	7.32	36.1	8.54	39.2	9.62	40.4	9.84	41.9	10.08	43.1	10.26
		96.0	30.6	6.18	33.1	7.20	36.1	8.40	39.2	9.46	40.4	9.68	41.9	9.92	43.1	10.10
		192.0	30.6	5.68	33.1	6.74	36.1	7.86	39.2	8.84	40.4	9.06	41.9	9.28	43.1	9.46
		240.0	30.6	5.52	33.1	6.60	36.1	7.68	39.2	8.66	40.4	8.88	41.9	9.12	43.1	9.20
		288.0	30.6	5.44	33.1	6.53	36.1	7.59	39.2	8.57	40.4	8.79	41.9	9.04	43.1	9.07
	45	76.8	30.6	7.29	33.1	8.46	36.1	9.85	39.2	11.12	40.4	11.36	41.9	11.65	43.1	11.87
		96.0	30.6	7.14	33.1	8.32	36.1	9.70	39.2	10.94	40.4	11.18	41.9	11.46	43.1	11.68
		192.0	30.6	6.56	33.1	7.78	36.1	9.10	39.2	10.22	40.4	10.48	41.9	10.72	43.1	10.94
		240.0	30.6	6.38	33.1	7.64	36.1	8.86	39.2	10.00	40.4	10.26	41.9	10.54	43.1	10.62
		288.0	30.6	6.29	33.1	7.57	36.1	8.74	39.2	9.89	40.4	10.15	41.9	10.45	43.1	10.46
60	10	76.8	26.2	1.51	28.4	1.76	30.9	2.02	33.6	2.33	34.6	2.39	36.0	2.42	37.0	2.46
		96.0	26.2	1.48	28.4	1.73	30.9	2.00	33.6	2.29	34.6	2.35	36.0	2.39	37.0	2.42
		192.0	26.2	1.37	28.4	1.62	30.9	1.91	33.6	2.14	34.6	2.17	36.0	2.25	37.0	2.29
		240.0	26.2	1.31	28.4	1.60	30.9	1.87	33.6	2.10	34.6	2.14	36.0	2.19	37.0	2.23
		288.0	26.2	1.27	28.4	1.59	30.9	1.85	33.6	2.08	34.6	2.12	36.0	2.16	37.0	2.20
	15	76.8	26.2	2.06	28.4	2.40	30.9	2.78	33.6	3.15	34.6	3.24	36.0	3.29	37.0	3.35
		96.0	26.2	2.02	28.4	2.36	30.9	2.74	33.6	3.10	34.6	3.18	36.0	3.24	37.0	3.30
		192.0	26.2	1.86	28.4	2.20	30.9	2.58	33.6	2.90	34.6	2.96	36.0	3.04	37.0	3.10
		240.0	26.2	1.80	28.4	2.16	30.9	2.52	33.6	2.84	34.6	2.90	36.0	2.98	37.0	3.02
		288.0	26.2	1.77	28.4	2.14	30.9	2.49	33.6	2.81	34.6	2.87	36.0	2.95	37.0	2.98
	20	76.8	26.2	2.55	28.4	2.97	30.9	3.46	33.6	3.88	34.6	3.99	36.0	4.07	37.0	4.15
		96.0	26.2	2.50	28.4	2.92	30.9	3.40	33.6	3.82	34.6	3.92	36.0	4.00	37.0	4.08
		192.0	26.2	2.30	28.4	2.72	30.9	3.18	33.6	3.58	34.6	3.66	36.0	3.74	37.0	3.82
		240.0	26.2	2.24	28.4	2.66	30.9	3.10	33.6	3.50	34.6	3.58	36.0	3.68	37.0	3.72
		288.0	26.2	2.21	28.4	2.63	30.9	3.06	33.6	3.46	34.6	3.54	36.0	3.65	37.0	3.67
	25	76.8	26.2	3.10	28.4	3.62	30.9	4.21	33.6	4.74	34.6	4.84	36.0	4.96	37.0	5.06
		96.0	26.2	3.04	28.4	3.56	30.9	4.14	33.6	4.66	34.6	4.76	36.0	4.88	37.0	4.98
		192.0	26.2	2.80	28.4	3.32	30.9	3.86	33.6	4.36	34.6	4.46	36.0	4.58	37.0	4.66
		240.0	26.2	2.72	28.4	3.24	30.9	3.78	33.6	4.26	34.6	4.38	36.0	4.48	37.0	4.54
		288.0	26.2	2.68	28.4	3.20	30.9	3.74	33.6	4.21	34.6	4.34	36.0	4.43	37.0	4.48
	30	76.8	26.2	3.82	28.4	4.43	30.9	5.16	33.6	5.81	34.6	5.96	36.0	6.10	37.0	6.22
		96.0	26.2	3.74	28.4	4.36	30.9	5.08	33.6	5.72	34.6	5.86	36.0	6.00	37.0	6.12
		192.0	26.2	3.44	28.4	4.08	30.9	4.76	33.6	5.36	34.6	5.48	36.0	5.62	37.0	5.72
		240.0	26.2	3.34	28.4	4.00	30.9	4.66	33.6	5.26	34.6	5.38	36.0	5.52	37.0	5.58
		288.0	26.2	3.29	28.4	3.96	30.9	4.61	33.6	5.21	34.6	5.33	36.0	5.47	37.0	5.51
	35	76.8	26.2	4.25	28.4	4.94	30.9	5.76	33.6	6.46	34.6	6.63	36.0	6.79	37.0	6.91
		96.0	26.2	4.16	28.4	4.86	30.9	5.66	33.6	6.36	34.6	6.52	36.0	6.68	37.0	6.80
		192.0	26.2	3.82	28.4	4.54	30.9	5.28	33.6	5.96	34.6	6.10	36.0	6.24	37.0	6.36
		240.0	26.2	3.72	28.4	4.44	30.9	5.18	33.6	5.84	34.6	5.98	36.0	6.14	37.0	6.20
		288.0	26.2	3.67	28.4	4.39	30.9	5.13	33.6	5.78	34.6	5.92	36.0	6.09	37.0	6.12
	40	76.8	26.2	5.02	28.4	5.83	30.9	6.81	33.6	7.67	34.6	7.85	36.0	8.03	37.0	8.19
		96.0	26.2	4.92	28.4	5.74	30.9	6.70	33.6	7.54	34.6	7.72	36.0	7.90	37.0	8.06
		192.0	26.2	4.54	28.4	5.38	30.9	6.26	33.6	7.04	34.6	7.22	36.0	7.40	37.0	7.54
		240.0	26.2	4.40	28.4	5.26	30.9	6.14	33.6	6.90	34.6	7.08	36.0	7.26	37.0	7.34
		288.0	26.2	4.33	28.4	5.20	30.9	6.08	33.6	6.83	34.6	7.01	36.0	7.19	37.0	7.24
	45	76.8	26.2	5.79	28.4	6.72	30.9	7.87	33.6	8.87	34.6	9.07	36.0	9.26	37.0	9.47
		96.0	26.2	5.68	28.4	6.62	30.9	7.74	33.6	8.72	34.6	8.92	36.0	9.12	37.0	9.32
		192.0	26.2	5.26	28.4	6.22	30.9	7.24	33.6	8.12	34.6	8.34	36.0	8.56	37.0	8.72
		240.0	26.2	5.08	28.4	6.08	30.9	7.10	33.6	7.96	34.6	8.18	36.0	8.38	37.0	8.48
		288.0	26.2	4.99	28.4	6.01	30.9	7.03	33.6	7.88	34.6	8.10	36.0	8.29	37.0	8.36
50	10	76.8	21.8	1.12	23.6	1.31	25.8	1.57	28.0	1.72	28.8	1.75	30.0	1.82	30.8	1.84
		96.0	21.8	1.10	23.6	1.29	25.8	1.54	28.0	1.69	28.8	1.73	30.0	1.79	30.8	1.81
		192.0	21.8	1.00	23.6	1.21	25.8	1.43	28.0	1.60	28.8	1.66	30.0	1.65	30.8	1.69
		240.0	21.8	0.98	23.6	1.22	25.8	1.39	28.0	1.56	28.8	1.58	30.0	1.64	30.8	1.63
		288.0	21.8	0.97	23.6	1.22	25.8	1.36	28.0	1.54	28.8	1.53	30.0	1.63	30.8	1.60

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	76.8	21.8	1.53	23.6	1.79	25.8	2.10	28.0	2.34	28.8	2.40	30.0	2.46	30.8	2.50
		96.0	21.8	1.50	23.6	1.76	25.8	2.06	28.0	2.30	28.8	2.36	30.0	2.42	30.8	2.46
		192.0	21.8	1.38	23.6	1.64	25.8	1.92	28.0	2.16	28.8	2.22	30.0	2.26	30.8	2.30
		240.0	21.8	1.34	23.6	1.62	25.8	1.88	28.0	2.12	28.8	2.16	30.0	2.22	30.8	2.24
		288.0	21.8	1.32	23.6	1.61	25.8	1.86	28.0	2.10	28.8	2.13	30.0	2.20	30.8	2.21
	20	76.8	21.8	1.90	23.6	2.22	25.8	2.56	28.0	2.89	28.8	2.97	30.0	3.03	30.8	3.09
		96.0	21.8	1.86	23.6	2.18	25.8	2.52	28.0	2.84	28.8	2.92	30.0	2.98	30.8	3.04
		192.0	21.8	1.72	23.6	2.02	25.8	2.36	28.0	2.66	28.8	2.72	30.0	2.80	30.8	2.84
		240.0	21.8	1.66	23.6	1.98	25.8	2.32	28.0	2.62	28.8	2.68	30.0	2.74	30.8	2.78
		288.0	21.8	1.63	23.6	1.96	25.8	2.30	28.0	2.60	28.8	2.66	30.0	2.71	30.8	2.75
	25	76.8	21.8	2.31	23.6	2.68	25.8	3.13	28.0	3.54	28.8	3.62	30.0	3.70	30.8	3.76
		96.0	21.8	2.26	23.6	2.64	25.8	3.08	28.0	3.48	28.8	3.56	30.0	3.64	30.8	3.70
		192.0	21.8	2.08	23.6	2.48	25.8	2.88	28.0	3.24	28.8	3.32	30.0	3.40	30.8	3.48
		240.0	21.8	2.02	23.6	2.42	25.8	2.82	28.0	3.18	28.8	3.26	30.0	3.34	30.8	3.38
		288.0	21.8	1.99	23.6	2.39	25.8	2.79	28.0	3.15	28.8	3.23	30.0	3.31	30.8	3.33
	30	76.8	21.8	2.86	23.6	3.32	25.8	3.87	28.0	4.35	28.8	4.46	30.0	4.55	30.8	4.64
		96.0	21.8	2.80	23.6	3.26	25.8	3.80	28.0	4.28	28.8	4.38	30.0	4.48	30.8	4.56
		192.0	21.8	2.56	23.6	3.04	25.8	3.54	28.0	4.00	28.8	4.08	30.0	4.20	30.8	4.26
		240.0	21.8	2.50	23.6	2.98	25.8	3.48	28.0	3.92	28.8	4.02	30.0	4.12	30.8	4.16
		288.0	21.8	2.47	23.6	2.95	25.8	3.45	28.0	3.88	28.8	3.99	30.0	4.08	30.8	4.11
	35	76.8	21.8	3.16	23.6	3.68	25.8	4.29	28.0	4.82	28.8	4.94	30.0	5.06	30.8	5.14
		96.0	21.8	3.10	23.6	3.62	25.8	4.22	28.0	4.74	28.8	4.86	30.0	4.98	30.8	5.06
		192.0	21.8	2.86	23.6	3.38	25.8	3.94	28.0	4.44	28.8	4.54	30.0	4.66	30.8	4.74
		240.0	21.8	2.78	23.6	3.32	25.8	3.86	28.0	4.36	28.8	4.46	30.0	4.58	30.8	4.62
		288.0	21.8	2.74	23.6	3.29	25.8	3.82	28.0	4.32	28.8	4.42	30.0	4.54	30.8	4.56
	40	76.8	21.8	3.76	23.6	4.35	25.8	5.09	28.0	5.71	28.8	5.86	30.0	6.00	30.8	6.10
		96.0	21.8	3.68	23.6	4.28	25.8	5.00	28.0	5.62	28.8	5.76	30.0	5.90	30.8	6.00
		192.0	21.8	3.38	23.6	4.00	25.8	4.66	28.0	5.26	28.8	5.38	30.0	5.52	30.8	5.62
		240.0	21.8	3.28	23.6	3.92	25.8	4.58	28.0	5.16	28.8	5.28	30.0	5.42	30.8	5.46
		288.0	21.8	3.23	23.6	3.88	25.8	4.54	28.0	5.11	28.8	5.23	30.0	5.37	30.8	5.38
	45	76.8	21.8	4.35	23.6	5.02	25.8	5.88	28.0	6.61	28.8	6.77	30.0	6.93	30.8	7.05
		96.0	21.8	4.26	23.6	4.94	25.8	5.78	28.0	6.50	28.8	6.66	30.0	6.82	30.8	6.94
		192.0	21.8	3.90	23.6	4.62	25.8	5.38	28.0	6.08	28.8	6.22	30.0	6.38	30.8	6.50
		240.0	21.8	3.78	23.6	4.52	25.8	5.30	28.0	5.96	28.8	6.10	30.0	6.26	30.8	6.30
		288.0	21.8	3.72	23.6	4.47	25.8	5.26	28.0	5.90	28.8	6.04	30.0	6.20	30.8	6.20

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(22HP)

ARWN220LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	84.8	57.3	3.88	62.0	4.53	67.5	5.29	73.4	5.94	75.6	6.08	78.5	6.25	80.7	6.35
		106.0	57.3	3.81	62.0	4.46	67.5	5.20	73.4	5.84	75.6	5.98	78.5	6.15	80.7	6.26
		212.0	57.3	3.53	62.0	4.16	67.5	4.85	73.4	5.46	75.6	5.61	78.5	5.75	80.7	5.87
		265.0	57.3	3.42	62.0	4.08	67.5	4.76	73.4	5.35	75.6	5.50	78.5	5.64	80.7	5.73
		318.0	57.3	3.36	62.0	4.04	67.5	4.71	73.4	5.29	75.6	5.44	78.5	5.58	80.7	5.65
	15	84.8	56.3	5.11	61.0	5.95	66.4	6.94	72.2	7.80	74.4	7.99	77.3	8.19	79.4	8.33
		106.0	56.3	5.01	61.0	5.86	66.4	6.83	72.2	7.68	74.4	7.86	77.3	8.06	79.4	8.21
		212.0	56.3	4.62	61.0	5.47	66.4	6.38	72.2	7.18	74.4	7.36	77.3	7.56	79.4	7.71
		265.0	56.3	4.49	61.0	5.36	66.4	6.25	72.2	7.03	74.4	7.22	77.3	7.40	79.4	7.53
		318.0	56.3	4.43	61.0	5.30	66.4	6.18	72.2	6.96	74.4	7.15	77.3	7.33	79.4	7.44
	20	84.8	55.5	6.20	60.1	7.22	65.5	8.41	71.2	9.46	73.3	9.68	76.1	9.91	78.3	10.09
		106.0	55.5	6.08	60.1	7.10	65.5	8.27	71.2	9.30	73.3	9.53	76.1	9.76	78.3	9.94
		212.0	55.5	5.59	60.1	6.63	65.5	7.73	71.2	8.70	73.3	8.92	76.1	9.16	78.3	9.34
		265.0	55.5	5.45	60.1	6.50	65.5	7.57	71.2	8.53	73.3	8.75	76.1	8.98	78.3	9.14
		318.0	55.5	5.37	60.1	6.43	65.5	7.49	71.2	8.45	73.3	8.67	76.1	8.88	78.3	9.03
	25	84.8	55.5	7.66	60.1	8.89	65.5	10.36	71.2	11.68	73.3	11.94	76.1	12.24	78.3	12.44
		106.0	55.5	7.51	60.1	8.75	65.5	10.19	71.2	11.49	73.3	11.75	76.1	12.05	78.3	12.26
		212.0	55.5	6.91	60.1	8.18	65.5	9.53	71.2	10.73	73.3	11.00	76.1	11.29	78.3	11.52
		265.0	55.5	6.71	60.1	8.00	65.5	9.34	71.2	10.52	73.3	10.80	76.1	11.08	78.3	11.26
		318.0	55.5	6.60	60.1	7.92	65.5	9.24	71.2	10.42	73.3	10.69	76.1	10.97	78.3	11.13
	30	84.8	55.5	9.19	60.1	10.67	65.5	12.43	71.2	14.01	73.3	14.34	76.1	14.68	78.3	14.93
		106.0	55.5	9.01	60.1	10.50	65.5	12.23	71.2	13.78	73.3	14.11	76.1	14.45	78.3	14.71
		212.0	55.5	8.28	60.1	9.82	65.5	11.44	71.2	12.87	73.3	13.20	76.1	13.55	78.3	13.82
		265.0	55.5	8.04	60.1	9.61	65.5	11.20	71.2	12.62	73.3	12.95	76.1	13.28	78.3	13.51
		318.0	55.5	7.93	60.1	9.50	65.5	11.09	71.2	12.50	73.3	12.83	76.1	13.15	78.3	13.35
	35	84.8	50.0	9.29	54.1	10.79	58.9	12.58	64.0	14.15	66.0	14.50	68.5	14.85	70.5	15.10
		106.0	50.0	9.10	54.1	10.62	58.9	12.38	64.0	13.92	66.0	14.27	68.5	14.61	70.5	14.87
		212.0	50.0	8.37	54.1	9.93	58.9	11.57	64.0	13.03	66.0	13.35	68.5	13.70	70.5	13.98
		265.0	50.0	8.14	54.1	9.71	58.9	11.33	64.0	12.77	66.0	13.10	68.5	13.43	70.5	13.66
		318.0	50.0	8.03	54.1	9.61	58.9	11.20	64.0	12.64	66.0	12.97	68.5	13.30	70.5	13.50
	40	84.8	44.4	9.81	48.1	11.38	52.4	13.26	56.9	14.93	58.6	15.28	60.9	15.65	62.6	15.94
		106.0	44.4	9.61	48.1	11.20	52.4	13.05	56.9	14.69	58.6	15.04	60.9	15.41	62.6	15.70
		212.0	44.4	8.83	48.1	10.48	52.4	12.21	56.9	13.74	58.6	14.08	60.9	14.45	62.6	14.74
		265.0	44.4	8.58	48.1	10.25	52.4	11.94	56.9	13.47	58.6	13.82	60.9	14.17	62.6	14.41
		318.0	44.4	8.46	48.1	10.14	52.4	11.81	56.9	13.33	58.6	13.69	60.9	14.03	62.6	14.25
	45	84.8	38.8	10.32	42.1	11.96	45.8	13.95	49.8	15.72	51.3	16.06	53.3	16.45	54.8	16.78
		106.0	38.8	10.12	42.1	11.77	45.8	13.72	49.8	15.46	51.3	15.81	53.3	16.20	54.8	16.52
		212.0	38.8	9.29	42.1	11.02	45.8	12.85	49.8	14.45	51.3	14.82	53.3	15.21	54.8	15.50
		265.0	38.8	9.02	42.1	10.79	45.8	12.56	49.8	14.17	51.3	14.54	53.3	14.91	54.8	15.17
		318.0	38.8	8.89	42.1	10.67	45.8	12.42	49.8	14.02	51.3	14.40	53.3	14.76	54.8	15.00
120	10	84.8	54.2	3.70	58.7	4.31	63.9	4.99	69.4	5.64	71.5	5.78	74.4	5.92	76.4	6.01
		106.0	54.2	3.62	58.7	4.24	63.9	4.91	69.4	5.54	71.5	5.68	74.4	5.82	76.4	5.92
		212.0	54.2	3.32	58.7	3.96	63.9	4.62	69.4	5.17	71.5	5.30	74.4	5.44	76.4	5.56
		265.0	54.2	3.23	58.7	3.84	63.9	4.51	69.4	5.07	71.5	5.21	74.4	5.35	76.4	5.44
		318.0	54.2	3.18	58.7	3.79	63.9	4.45	69.4	5.02	71.5	5.16	74.4	5.30	76.4	5.37
	15	84.8	53.6	4.90	58.0	5.70	63.2	6.63	68.7	7.47	70.7	7.65	73.5	7.83	75.5	7.97
		106.0	53.6	4.80	58.0	5.61	63.2	6.52	68.7	7.35	70.7	7.52	73.5	7.71	75.5	7.84
		212.0	53.6	4.41	58.0	5.24	63.2	6.10	68.7	6.87	70.7	7.03	73.5	7.22	75.5	7.36
		265.0	53.6	4.29	58.0	5.12	63.2	5.98	68.7	6.73	70.7	6.91	73.5	7.08	75.5	7.19
		318.0	53.6	4.23	58.0	5.06	63.2	5.91	68.7	6.66	70.7	6.84	73.5	7.01	75.5	7.11
	20	84.8	53.0	5.97	57.4	6.94	62.6	8.08	68.0	9.10	70.0	9.31	72.7	9.53	74.8	9.70
		106.0	53.0	5.86	57.4	6.83	62.6	7.95	68.0	8.95	70.0	9.16	72.7	9.38	74.8	9.55
		212.0	53.0	5.38	57.4	6.38	62.6	7.43	68.0	8.37	70.0	8.57	72.7	8.80	74.8	8.97
		265.0	53.0	5.24	57.4	6.25	62.6	7.28	68.0	8.21	70.0	8.41	72.7	8.62	74.8	8.76
		318.0	53.0	5.17	57.4	6.18	62.6	7.21	68.0	8.12	70.0	8.33	72.7	8.53	74.8	8.66
	25	84.8	53.0	7.34	57.4	8.53	62.6	9.93	68.0	11.17	70.0	11.44	72.7	11.73	74.8	11.93
		106.0	53.0	7.19	57.4	8.39	62.6	9.77	68.0	11.00	70.0	11.26	72.7	11.54	74.8	11.75
		212.0	53.0	6.62	57.4	7.84	62.6	9.14	68.0	10.29	70.0	10.54	72.7	10.81	74.8	11.03
		265.0	53.0	6.43	57.4	7.68	62.6	8.95	68.0	10.08	70.0	10.34	72.7	10.60	74.8	10.76
		318.0	53.0	6.34	57.4	7.60	62.6	8.86	68.0	9.98	70.0	10.24	72.7	10.50	74.8	10.63
	30	84.8	53.0	8.86	57.4	10.31	62.6	12.01	68.0	13.52	70.0	13.84	72.7	14.18	74.8	14.43
		106.0	53.0	8.69	57.4	10.15	62.6	11.81	68.0	13.30	70.0	13.62	72.7	13.96	74.8	14.21
		212.0	53.0	8.00	57.4	9.48	62.6	11.04	68.0	12.44	70.0	12.75	72.7	13.07	74.8	13.33
		265.0	53.0	7.77	57.4	9.28	62.6	10.81	68.0	12.19	70.0	12.50	72.7	12.83	74.8	13.02
		318.0	53.0	7.66	57.4	9.18	62.6	10.70	68.0	12.07	70.0	12.38	72.7	12.70	74.8	12.86

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	84.8	48.5	9.09	52.5	10.57	57.2	12.30	62.2	13.86	64.1	14.19	66.6	14.53	68.4	14.79
		106.0	48.5	8.91	52.5	10.40	57.2	12.10	62.2	13.64	64.1	13.96	66.6	14.30	68.4	14.56
		212.0	48.5	8.19	52.5	9.71	57.2	11.32	62.2	12.75	64.1	13.06	66.6	13.40	68.4	13.66
		265.0	48.5	7.96	52.5	9.51	57.2	11.09	62.2	12.50	64.1	12.82	66.6	13.14	68.4	13.34
		318.0	48.5	7.85	52.5	9.41	57.2	10.98	62.2	12.37	64.1	12.70	66.6	13.01	68.4	13.18
	40	84.8	44.0	9.79	47.7	11.36	51.9	13.25	56.4	14.91	58.1	15.27	60.4	15.64	62.1	15.92
		106.0	44.0	9.59	47.7	11.18	51.9	13.03	56.4	14.67	58.1	15.02	60.4	15.39	62.1	15.67
		212.0	44.0	8.82	47.7	10.46	51.9	12.18	56.4	13.72	58.1	14.05	60.4	14.42	62.1	14.70
		265.0	44.0	8.57	47.7	10.23	51.9	11.94	56.4	13.45	58.1	13.80	60.4	14.15	62.1	14.36
		318.0	44.0	8.45	47.7	10.12	51.9	11.81	56.4	13.32	58.1	13.67	60.4	14.01	62.1	14.18
	45	84.8	39.5	10.48	42.8	12.16	46.6	14.19	50.7	15.96	52.2	16.34	54.2	16.75	55.7	17.05
		106.0	39.5	10.27	42.8	11.97	46.6	13.96	50.7	15.70	52.2	16.08	54.2	16.48	55.7	16.79
		212.0	39.5	9.46	42.8	11.20	46.6	13.05	50.7	14.69	52.2	15.05	54.2	15.44	55.7	15.75
		265.0	39.5	9.19	42.8	10.96	46.6	12.78	50.7	14.40	52.2	14.78	54.2	15.16	55.7	15.38
		318.0	39.5	9.05	42.8	10.83	46.6	12.64	50.7	14.26	52.2	14.64	54.2	15.02	55.7	15.19
110	10	84.8	51.1	3.49	55.4	4.04	60.3	4.72	65.5	5.31	67.4	5.44	70.1	5.57	72.0	5.69
		106.0	51.1	3.42	55.4	3.98	60.3	4.65	65.5	5.22	67.4	5.35	70.1	5.49	72.0	5.60
		212.0	51.1	3.14	55.4	3.72	60.3	4.34	65.5	4.88	67.4	5.03	70.1	5.15	72.0	5.24
		265.0	51.1	3.05	55.4	3.65	60.3	4.24	65.5	4.81	67.4	4.90	70.1	5.05	72.0	5.10
		318.0	51.1	3.01	55.4	3.61	60.3	4.19	65.5	4.77	67.4	4.84	70.1	5.00	72.0	5.03
	15	84.8	50.8	4.67	55.0	5.43	59.9	6.33	65.1	7.13	67.1	7.29	69.7	7.47	71.6	7.61
		106.0	50.8	4.58	55.0	5.34	59.9	6.22	65.1	7.01	67.1	7.18	69.7	7.36	71.6	7.49
		212.0	50.8	4.21	55.0	5.00	59.9	5.82	65.1	6.55	67.1	6.72	69.7	6.89	71.6	7.02
		265.0	50.8	4.10	55.0	4.89	59.9	5.69	65.1	6.43	67.1	6.58	69.7	6.76	71.6	6.84
		318.0	50.8	4.04	55.0	4.84	59.9	5.63	65.1	6.37	67.1	6.52	69.7	6.70	71.6	6.75
	20	84.8	50.5	5.73	54.7	6.66	59.6	7.75	64.8	8.74	66.7	8.94	69.3	9.16	71.3	9.32
		106.0	50.5	5.61	54.7	6.55	59.6	7.63	64.8	8.60	66.7	8.80	69.3	9.02	71.3	9.18
		212.0	50.5	5.16	54.7	6.13	59.6	7.14	64.8	8.04	66.7	8.23	69.3	8.44	71.3	8.60
		265.0	50.5	5.03	54.7	6.00	59.6	6.99	64.8	7.88	66.7	8.08	69.3	8.29	71.3	8.39
		318.0	50.5	4.96	54.7	5.94	59.6	6.91	64.8	7.80	66.7	8.00	69.3	8.21	71.3	8.29
	25	84.8	50.5	7.01	54.7	8.15	59.6	9.50	64.8	10.70	66.7	10.95	69.3	11.21	71.3	11.42
		106.0	50.5	6.87	54.7	8.02	59.6	9.34	64.8	10.52	66.7	10.77	69.3	11.04	71.3	11.24
		212.0	50.5	6.33	54.7	7.50	59.6	8.74	64.8	9.84	66.7	10.08	69.3	10.34	71.3	10.53
		265.0	50.5	6.15	54.7	7.34	59.6	8.56	64.8	9.65	66.7	9.88	69.3	10.15	71.3	10.27
		318.0	50.5	6.06	54.7	7.26	59.6	8.47	64.8	9.55	66.7	9.78	69.3	10.05	71.3	10.13
	30	84.8	50.5	8.55	54.7	9.94	59.6	11.58	64.8	13.04	66.7	13.35	69.3	13.67	71.3	13.92
		106.0	50.5	8.38	54.7	9.78	59.6	11.39	64.8	12.83	66.7	13.14	69.3	13.45	71.3	13.70
		212.0	50.5	7.71	54.7	9.14	59.6	10.64	64.8	11.99	66.7	12.29	69.3	12.60	71.3	12.83
		265.0	50.5	7.50	54.7	8.95	59.6	10.44	64.8	11.76	66.7	12.05	69.3	12.36	71.3	12.52
		318.0	50.5	7.40	54.7	8.86	59.6	10.33	64.8	11.64	66.7	11.93	69.3	12.24	71.3	12.36
	35	84.8	47.1	8.90	51.0	10.34	55.5	12.03	60.4	13.56	62.2	13.87	64.6	14.21	66.4	14.47
		106.0	47.1	8.72	51.0	10.17	55.5	11.84	60.4	13.34	62.2	13.65	64.6	13.99	66.4	14.25
		212.0	47.1	8.02	51.0	9.50	55.5	11.08	60.4	12.47	62.2	12.77	64.6	13.10	66.4	13.35
		265.0	47.1	7.80	51.0	9.30	55.5	10.84	60.4	12.22	62.2	12.54	64.6	12.85	66.4	13.02
		318.0	47.1	7.68	51.0	9.20	55.5	10.73	60.4	12.10	62.2	12.42	64.6	12.73	66.4	12.85
	40	84.8	43.6	9.77	47.3	11.36	51.5	13.22	56.0	14.88	57.6	15.24	59.9	15.61	61.5	15.90
		106.0	43.6	9.58	47.3	11.17	51.5	13.01	56.0	14.65	57.6	15.00	59.9	15.37	61.5	15.65
		212.0	43.6	8.81	47.3	10.44	51.5	12.17	56.0	13.70	57.6	14.03	59.9	14.40	61.5	14.66
		265.0	43.6	8.56	47.3	10.22	51.5	11.92	56.0	13.43	57.6	13.77	59.9	14.12	61.5	14.29
		318.0	43.6	8.43	47.3	10.11	51.5	11.79	56.0	13.29	57.6	13.64	59.9	13.99	61.5	14.11
	45	84.8	40.2	10.65	43.5	12.38	47.4	14.41	51.5	16.21	53.1	16.61	55.1	17.01	56.6	17.32
		106.0	40.2	10.43	43.5	12.18	47.4	14.18	51.5	15.95	53.1	16.35	55.1	16.75	56.6	17.05
		212.0	40.2	9.59	43.5	11.38	47.4	13.26	51.5	14.93	53.1	15.29	55.1	15.70	56.6	15.98
		265.0	40.2	9.32	43.5	11.13	47.4	12.99	51.5	14.63	53.1	15.01	55.1	15.40	56.6	15.57
		318.0	40.2	9.18	43.5	11.01	47.4	12.86	51.5	14.48	53.1	14.87	55.1	15.25	56.6	15.36
100	10	84.8	48.0	3.30	52.0	3.83	56.7	4.44	61.6	5.02	63.5	5.12	65.9	5.27	67.8	5.35
		106.0	48.0	3.23	52.0	3.77	56.7	4.36	61.6	4.94	63.5	5.04	65.9	5.18	67.8	5.26
		212.0	48.0	2.97	52.0	3.52	56.7	4.08	61.6	4.62	63.5	4.71	65.9	4.83	67.8	4.92
		265.0	48.0	2.87	52.0	3.43	56.7	4.00	61.6	4.51	63.5	4.63	65.9	4.74	67.8	4.78
		318.0	48.0	2.82	52.0	3.39	56.7	3.96	61.6	4.46	63.5	4.59	65.9	4.69	67.8	4.71
	15	84.8	48.0	4.46	52.0	5.18	56.7	6.02	61.6	6.79	63.5	6.94	65.9	7.13	67.8	7.25
		106.0	48.0	4.37	52.0	5.09	56.7	5.93	61.6	6.68	63.5	6.83	65.9	7.01	67.8	7.13
		212.0	48.0	4.02	52.0	4.76	56.7	5.54	61.6	6.25	63.5	6.39	65.9	6.55	67.8	6.67
		265.0	48.0	3.90	52.0	4.66	56.7	5.43	61.6	6.12	63.5	6.27	65.9	6.43	67.8	6.50
		318.0	48.0	3.84	52.0	4.61	56.7	5.37	61.6	6.06	63.5	6.21	65.9	6.37	67.8	6.41

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	84.8	48.0	5.49	52.0	6.37	56.7	7.44	61.6	8.36	63.5	8.57	65.9	8.78	67.8	8.93
		106.0	48.0	5.38	52.0	6.27	56.7	7.32	61.6	8.23	63.5	8.43	65.9	8.64	67.8	8.79
		212.0	48.0	4.95	52.0	5.87	56.7	6.84	61.6	7.70	63.5	7.88	65.9	8.09	67.8	8.23
		265.0	48.0	4.81	52.0	5.75	56.7	6.70	61.6	7.55	63.5	7.73	65.9	7.94	67.8	8.02
		318.0	48.0	4.74	52.0	5.69	56.7	6.63	61.6	7.47	63.5	7.66	65.9	7.87	67.8	7.92
	25	84.8	48.0	6.69	52.0	7.78	56.7	9.07	61.6	10.21	63.5	10.45	65.9	10.71	67.8	10.90
		106.0	48.0	6.56	52.0	7.65	56.7	8.92	61.6	10.04	63.5	10.28	65.9	10.54	67.8	10.72
		212.0	48.0	6.04	52.0	7.15	56.7	8.33	61.6	9.38	63.5	9.62	65.9	9.86	67.8	10.04
		265.0	48.0	5.87	52.0	7.01	56.7	8.17	61.6	9.20	63.5	9.43	65.9	9.67	67.8	9.78
		318.0	48.0	5.79	52.0	6.94	56.7	8.08	61.6	9.11	63.5	9.34	65.9	9.58	67.8	9.64
	30	84.8	48.0	8.23	52.0	9.58	56.7	11.15	61.6	12.55	63.5	12.86	65.9	13.16	67.8	13.41
		106.0	48.0	8.07	52.0	9.42	56.7	10.97	61.6	12.35	63.5	12.65	65.9	12.95	67.8	13.19
		212.0	48.0	7.43	52.0	8.81	56.7	10.25	61.6	11.55	63.5	11.82	65.9	12.13	67.8	12.35
		265.0	48.0	7.22	52.0	8.62	56.7	10.04	61.6	11.33	63.5	11.61	65.9	11.90	67.8	12.02
		318.0	48.0	7.11	52.0	8.53	56.7	9.94	61.6	11.21	63.5	11.50	65.9	11.79	67.8	11.86
	35	84.8	45.7	8.69	49.5	10.10	53.8	11.76	58.5	13.25	60.3	13.57	62.6	13.90	64.4	14.15
		106.0	45.7	8.52	49.5	9.94	53.8	11.57	58.5	13.03	60.3	13.35	62.6	13.68	64.4	13.92
		212.0	45.7	7.84	49.5	9.30	53.8	10.83	58.5	12.19	60.3	12.48	62.6	12.80	64.4	13.03
		265.0	45.7	7.63	49.5	9.10	53.8	10.60	58.5	11.96	60.3	12.25	62.6	12.56	64.4	12.69
		318.0	45.7	7.52	49.5	9.00	53.8	10.49	58.5	11.84	60.3	12.13	62.6	12.44	64.4	12.52
	40	84.8	43.2	9.76	46.8	11.34	51.0	13.21	55.4	14.87	57.1	15.22	59.3	15.59	61.0	15.87
		106.0	43.2	9.56	46.8	11.16	51.0	12.99	55.4	14.63	57.1	14.97	59.3	15.34	61.0	15.62
		212.0	43.2	8.79	46.8	10.43	51.0	12.14	55.4	13.68	57.1	14.00	59.3	14.36	61.0	14.62
		265.0	43.2	8.55	46.8	10.20	51.0	11.90	55.4	13.41	57.1	13.74	59.3	14.09	61.0	14.24
		318.0	43.2	8.43	46.8	10.09	51.0	11.77	55.4	13.28	57.1	13.61	59.3	13.96	61.0	14.04
	45	84.8	40.8	10.82	44.2	12.58	48.1	14.65	52.4	16.49	53.9	16.87	56.1	17.29	57.6	17.59
		106.0	40.8	10.61	44.2	12.38	48.1	14.41	52.4	16.22	53.9	16.60	56.1	17.01	57.6	17.31
		212.0	40.8	9.74	44.2	11.56	48.1	13.46	52.4	15.16	53.9	15.53	56.1	15.91	57.6	16.21
		265.0	40.8	9.47	44.2	11.31	48.1	13.19	52.4	14.86	53.9	15.23	56.1	15.62	57.6	15.78
		318.0	40.8	9.34	44.2	11.19	48.1	13.05	52.4	14.71	53.9	15.08	56.1	15.48	57.6	15.57
90	10	84.8	43.2	2.81	46.8	3.27	51.0	3.81	55.4	4.31	57.1	4.39	59.3	4.49	61.0	4.61
		106.0	43.2	2.76	46.8	3.22	51.0	3.76	55.4	4.24	57.1	4.33	59.3	4.43	61.0	4.54
		212.0	43.2	2.55	46.8	3.03	51.0	3.53	55.4	3.97	57.1	4.06	59.3	4.18	61.0	4.24
		265.0	43.2	2.48	46.8	2.94	51.0	3.45	55.4	3.87	57.1	3.98	59.3	4.10	61.0	4.11
		318.0	43.2	2.44	46.8	2.89	51.0	3.41	55.4	3.82	57.1	3.94	59.3	4.06	61.0	4.04
	15	84.8	43.2	3.83	46.8	4.45	51.0	5.18	55.4	5.85	57.1	5.97	59.3	6.12	61.0	6.24
		106.0	43.2	3.75	46.8	4.38	51.0	5.10	55.4	5.75	57.1	5.88	59.3	6.02	61.0	6.14
		212.0	43.2	3.46	46.8	4.10	51.0	4.77	55.4	5.37	57.1	5.50	59.3	5.65	61.0	5.75
		265.0	43.2	3.36	46.8	4.00	51.0	4.68	55.4	5.26	57.1	5.40	59.3	5.54	61.0	5.59
		318.0	43.2	3.31	46.8	3.95	51.0	4.63	55.4	5.20	57.1	5.35	59.3	5.49	61.0	5.51
	20	84.8	43.2	4.73	46.8	5.49	51.0	6.40	55.4	7.21	57.1	7.38	59.3	7.57	61.0	7.69
		106.0	43.2	4.64	46.8	5.41	51.0	6.30	55.4	7.09	57.1	7.26	59.3	7.44	61.0	7.57
		212.0	43.2	4.27	46.8	5.05	51.0	5.88	55.4	6.62	57.1	6.79	59.3	6.95	61.0	7.09
		265.0	43.2	4.15	46.8	4.95	51.0	5.77	55.4	6.50	57.1	6.66	59.3	6.83	61.0	6.91
		318.0	43.2	4.09	46.8	4.90	51.0	5.71	55.4	6.43	57.1	6.59	59.3	6.76	61.0	6.81
	25	84.8	43.2	5.76	46.8	6.70	51.0	7.80	55.4	8.79	57.1	8.99	59.3	9.22	61.0	9.38
		106.0	43.2	5.65	46.8	6.59	51.0	7.68	55.4	8.65	57.1	8.85	59.3	9.07	61.0	9.23
		212.0	43.2	5.20	46.8	6.16	51.0	7.18	55.4	8.09	57.1	8.28	59.3	8.49	61.0	8.64
		265.0	43.2	5.05	46.8	6.02	51.0	7.03	55.4	7.92	57.1	8.13	59.3	8.33	61.0	8.41
		318.0	43.2	4.98	46.8	5.95	51.0	6.96	55.4	7.84	57.1	8.05	59.3	8.25	61.0	8.30
	30	84.8	43.2	7.09	46.8	8.24	51.0	9.60	55.4	10.81	57.1	11.06	59.3	11.34	61.0	11.54
		106.0	43.2	6.95	46.8	8.11	51.0	9.44	55.4	10.64	57.1	10.88	59.3	11.16	61.0	11.36
		212.0	43.2	6.39	46.8	7.57	51.0	8.83	55.4	9.94	57.1	10.19	59.3	10.44	61.0	10.63
		265.0	43.2	6.22	46.8	7.42	51.0	8.65	55.4	9.75	57.1	9.99	59.3	10.25	61.0	10.35
		318.0	43.2	6.13	46.8	7.34	51.0	8.55	55.4	9.66	57.1	9.89	59.3	10.16	61.0	10.21
	35	84.8	42.1	7.65	45.5	8.89	49.6	10.35	53.9	11.66	55.5	11.93	57.7	12.23	59.3	12.44
		106.0	42.1	7.50	45.5	8.74	49.6	10.19	53.9	11.47	55.5	11.74	57.7	12.03	59.3	12.25
		212.0	42.1	6.89	45.5	8.17	49.6	9.53	53.9	10.72	55.5	10.98	57.7	11.26	59.3	11.47
		265.0	42.1	6.71	45.5	8.00	49.6	9.33	53.9	10.52	55.5	10.78	57.7	11.05	59.3	11.16
		318.0	42.1	6.61	45.5	7.92	49.6	9.23	53.9	10.41	55.5	10.68	57.7	10.95	59.3	11.01
	40	84.8	40.9	8.79	44.2	10.21	48.2	11.89	52.4	13.40	53.9	13.71	56.0	14.04	57.6	14.29
		106.0	40.9	8.61	44.2	10.04	48.2	11.70	52.4	13.18	53.9	13.49	56.0	13.82	57.6	14.07
		212.0	40.9	7.92	44.2	9.39	48.2	10.95	52.4	12.32	53.9	12.62	56.0	12.94	57.6	13.18
		265.0	40.9	7.70	44.2	9.19	48.2	10.72	52.4	12.08	53.9	12.38	56.0	12.70	57.6	12.83
		318.0	40.9	7.59	44.2	9.09	48.2	10.61	52.4	11.96	53.9	12.26	56.0	12.58	57.6	12.65

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	84.8	39.6	9.92	43.0	11.53	46.8	13.43	50.8	15.13	52.4	15.49	54.4	15.86	55.9	16.14
		106.0	39.6	9.73	43.0	11.34	46.8	13.22	50.8	14.89	52.4	15.24	54.4	15.61	55.9	15.89
		212.0	39.6	8.96	43.0	10.61	46.8	12.37	50.8	13.91	52.4	14.25	54.4	14.61	55.9	14.89
		265.0	39.6	8.69	43.0	10.38	46.8	12.12	50.8	13.64	52.4	13.97	54.4	14.34	55.9	14.49
		318.0	39.6	8.56	43.0	10.27	46.8	12.00	50.8	13.51	52.4	13.83	54.4	14.21	55.9	14.29
80	10	84.8	38.4	2.38	41.6	2.75	45.3	3.19	49.3	3.62	50.8	3.69	52.7	3.79	54.2	3.84
		106.0	38.4	2.33	41.6	2.71	45.3	3.15	49.3	3.56	50.8	3.63	52.7	3.73	54.2	3.78
		212.0	38.4	2.14	41.6	2.55	45.3	2.96	49.3	3.32	50.8	3.40	52.7	3.47	54.2	3.54
		265.0	38.4	2.09	41.6	2.48	45.3	2.90	49.3	3.26	50.8	3.33	52.7	3.42	54.2	3.45
		318.0	38.4	2.07	41.6	2.44	45.3	2.88	49.3	3.24	50.8	3.29	52.7	3.40	54.2	3.40
	15	84.8	38.4	3.22	41.6	3.73	45.3	4.34	49.3	4.90	50.8	5.01	52.7	5.14	54.2	5.22
		106.0	38.4	3.15	41.6	3.67	45.3	4.27	49.3	4.82	50.8	4.93	52.7	5.05	54.2	5.14
		212.0	38.4	2.89	41.6	3.44	45.3	4.00	49.3	4.50	50.8	4.61	52.7	4.72	54.2	4.81
		265.0	38.4	2.82	41.6	3.36	45.3	3.92	49.3	4.42	50.8	4.52	52.7	4.64	54.2	4.68
		318.0	38.4	2.79	41.6	3.32	45.3	3.88	49.3	4.38	50.8	4.48	52.7	4.60	54.2	4.62
	20	84.8	38.4	3.96	41.6	4.61	45.3	5.37	49.3	6.04	50.8	6.19	52.7	6.33	54.2	6.46
		106.0	38.4	3.88	41.6	4.53	45.3	5.28	49.3	5.94	50.8	6.09	52.7	6.23	54.2	6.35
		212.0	38.4	3.57	41.6	4.23	45.3	4.93	49.3	5.55	50.8	5.69	52.7	5.84	54.2	5.94
		265.0	38.4	3.47	41.6	4.15	45.3	4.83	49.3	5.45	50.8	5.58	52.7	5.73	54.2	5.78
		318.0	38.4	3.42	41.6	4.10	45.3	4.78	49.3	5.39	50.8	5.53	52.7	5.67	54.2	5.70
	25	84.8	38.4	4.84	41.6	5.62	45.3	6.54	49.3	7.36	50.8	7.54	52.7	7.73	54.2	7.87
		106.0	38.4	4.74	41.6	5.53	45.3	6.43	49.3	7.24	50.8	7.42	52.7	7.60	54.2	7.74
		212.0	38.4	4.36	41.6	5.16	45.3	6.02	49.3	6.78	50.8	6.94	52.7	7.11	54.2	7.24
		265.0	38.4	4.23	41.6	5.05	45.3	5.90	49.3	6.64	50.8	6.81	52.7	6.99	54.2	7.05
		318.0	38.4	4.17	41.6	5.00	45.3	5.84	49.3	6.57	50.8	6.75	52.7	6.92	54.2	6.95
	30	84.8	38.4	5.94	41.6	6.90	45.3	8.05	49.3	9.06	50.8	9.27	52.7	9.49	54.2	9.68
		106.0	38.4	5.82	41.6	6.79	45.3	7.92	49.3	8.91	50.8	9.12	52.7	9.34	54.2	9.52
		212.0	38.4	5.36	41.6	6.35	45.3	7.40	49.3	8.33	50.8	8.53	52.7	8.75	54.2	8.91
		265.0	38.4	5.21	41.6	6.22	45.3	7.24	49.3	8.17	50.8	8.37	52.7	8.58	54.2	8.68
		318.0	38.4	5.14	41.6	6.15	45.3	7.16	49.3	8.09	50.8	8.29	52.7	8.50	54.2	8.56
	35	84.8	38.4	6.60	41.6	7.67	45.3	8.93	49.3	10.07	50.8	10.31	52.7	10.57	54.2	10.75
		106.0	38.4	6.47	41.6	7.55	45.3	8.79	49.3	9.91	50.8	10.15	52.7	10.40	54.2	10.58
		212.0	38.4	5.96	41.6	7.06	45.3	8.23	49.3	9.26	50.8	9.48	52.7	9.72	54.2	9.90
		265.0	38.4	5.79	41.6	6.91	45.3	8.06	49.3	9.08	50.8	9.30	52.7	9.55	54.2	9.63
		318.0	38.4	5.71	41.6	6.83	45.3	7.98	49.3	8.99	50.8	9.22	52.7	9.46	54.2	9.50
	40	84.8	38.4	7.82	41.6	9.09	45.3	10.59	49.3	11.93	50.8	12.21	52.7	12.51	54.2	12.72
		106.0	38.4	7.67	41.6	8.94	45.3	10.42	49.3	11.73	50.8	12.01	52.7	12.30	54.2	12.52
		212.0	38.4	7.05	41.6	8.36	45.3	9.74	49.3	10.97	50.8	11.22	52.7	11.51	54.2	11.72
		265.0	38.4	6.85	41.6	8.18	45.3	9.54	49.3	10.75	50.8	11.01	52.7	11.30	54.2	11.41
		318.0	38.4	6.75	41.6	8.09	45.3	9.44	49.3	10.64	50.8	10.91	52.7	11.20	54.2	11.26
	45	84.8	38.4	9.05	41.6	10.51	45.3	12.25	49.3	13.79	50.8	14.10	52.7	14.45	54.2	14.69
		106.0	38.4	8.86	41.6	10.34	45.3	12.05	49.3	13.56	50.8	13.87	52.7	14.21	54.2	14.46
		212.0	38.4	8.14	41.6	9.66	45.3	11.24	49.3	12.68	50.8	12.96	52.7	13.30	54.2	13.54
		265.0	38.4	7.91	41.6	9.46	45.3	11.01	49.3	12.42	50.8	12.72	52.7	13.06	54.2	13.19
		318.0	38.4	7.79	41.6	9.36	45.3	10.89	49.3	12.28	50.8	12.60	52.7	12.94	54.2	13.02
70	10	84.8	33.6	1.96	36.4	2.29	39.7	2.66	43.1	2.99	44.4	3.07	46.1	3.15	47.4	3.19
		106.0	33.6	1.92	36.4	2.25	39.7	2.61	43.1	2.95	44.4	3.03	46.1	3.10	47.4	3.15
		212.0	33.6	1.78	36.4	2.10	39.7	2.44	43.1	2.76	44.4	2.83	46.1	2.91	47.4	2.96
		265.0	33.6	1.73	36.4	2.05	39.7	2.40	43.1	2.71	44.4	2.77	46.1	2.84	47.4	2.88
		318.0	33.6	1.71	36.4	2.02	39.7	2.38	43.1	2.68	44.4	2.74	46.1	2.80	47.4	2.84
	15	84.8	33.6	2.67	36.4	3.11	39.7	3.61	43.1	4.07	44.4	4.17	46.1	4.27	47.4	4.34
		106.0	33.6	2.62	36.4	3.06	39.7	3.55	43.1	4.00	44.4	4.10	46.1	4.20	47.4	4.27
		212.0	33.6	2.41	36.4	2.85	39.7	3.32	43.1	3.75	44.4	3.83	46.1	3.94	47.4	4.00
		265.0	33.6	2.34	36.4	2.79	39.7	3.26	43.1	3.67	44.4	3.76	46.1	3.86	47.4	3.90
		318.0	33.6	2.31	36.4	2.76	39.7	3.22	43.1	3.64	44.4	3.72	46.1	3.82	47.4	3.85
	20	84.8	33.6	3.30	36.4	3.83	39.7	4.46	43.1	5.02	44.4	5.14	46.1	5.26	47.4	5.37
		106.0	33.6	3.23	36.4	3.77	39.7	4.39	43.1	4.94	44.4	5.05	46.1	5.18	47.4	5.28
		212.0	33.6	2.97	36.4	3.52	39.7	4.11	43.1	4.62	44.4	4.72	46.1	4.85	47.4	4.93
		265.0	33.6	2.89	36.4	3.45	39.7	4.02	43.1	4.53	44.4	4.64	46.1	4.76	47.4	4.80
		318.0	33.6	2.85	36.4	3.41	39.7	3.97	43.1	4.49	44.4	4.60	46.1	4.72	47.4	4.74
	25	84.8	33.6	4.02	36.4	4.67	39.7	5.44	43.1	6.12	44.4	6.27	46.1	6.42	47.4	6.54
		106.0	33.6	3.94	36.4	4.60	39.7	5.35	43.1	6.02	44.4	6.17	46.1	6.32	47.4	6.43
		212.0	33.6	3.63	36.4	4.29	39.7	5.01	43.1	5.63	44.4	5.77	46.1	5.92	47.4	6.02
		265.0	33.6	3.52	36.4	4.20	39.7	4.90	43.1	5.53	44.4	5.65	46.1	5.80	47.4	5.86
		318.0	33.6	3.47	36.4	4.16	39.7	4.85	43.1	5.47	44.4	5.60	46.1	5.74	47.4	5.78

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	84.8	33.6	4.94	36.4	5.74	39.7	6.68	43.1	7.53	44.4	7.71	46.1	7.90	47.4	8.05
		106.0	33.6	4.84	36.4	5.65	39.7	6.58	43.1	7.41	44.4	7.59	46.1	7.77	47.4	7.92
		212.0	33.6	4.45	36.4	5.28	39.7	6.15	43.1	6.93	44.4	7.10	46.1	7.28	47.4	7.40
		265.0	33.6	4.33	36.4	5.17	39.7	6.02	43.1	6.79	44.4	6.96	46.1	7.14	47.4	7.22
		318.0	33.6	4.27	36.4	5.12	39.7	5.96	43.1	6.72	44.4	6.90	46.1	7.07	47.4	7.13
	35	84.8	33.6	5.49	36.4	6.37	39.7	7.44	43.1	8.36	44.4	8.57	46.1	8.78	47.4	8.93
		106.0	33.6	5.38	36.4	6.27	39.7	7.32	43.1	8.23	44.4	8.43	46.1	8.64	47.4	8.79
		212.0	33.6	4.95	36.4	5.87	39.7	6.83	43.1	7.70	44.4	7.88	46.1	8.09	47.4	8.23
		265.0	33.6	4.81	36.4	5.74	39.7	6.70	43.1	7.55	44.4	7.73	46.1	7.93	47.4	8.02
		318.0	33.6	4.74	36.4	5.68	39.7	6.63	43.1	7.47	44.4	7.66	46.1	7.86	47.4	7.92
	40	84.8	33.6	6.51	36.4	7.55	39.7	8.80	43.1	9.91	44.4	10.15	46.1	10.39	47.4	10.58
		106.0	33.6	6.38	36.4	7.43	39.7	8.66	43.1	9.75	44.4	9.99	46.1	10.23	47.4	10.41
		212.0	33.6	5.86	36.4	6.95	39.7	8.10	43.1	9.12	44.4	9.34	46.1	9.57	47.4	9.75
		265.0	33.6	5.69	36.4	6.80	39.7	7.92	43.1	8.93	44.4	9.16	46.1	9.40	47.4	9.49
		318.0	33.6	5.61	36.4	6.73	39.7	7.84	43.1	8.84	44.4	9.07	46.1	9.32	47.4	9.36
	45	84.8	33.6	7.52	36.4	8.72	39.7	10.17	43.1	11.46	44.4	11.73	46.1	12.01	47.4	12.22
		106.0	33.6	7.37	36.4	8.58	39.7	10.01	43.1	11.28	44.4	11.54	46.1	11.81	47.4	12.03
		212.0	33.6	6.78	36.4	8.04	39.7	9.37	43.1	10.54	44.4	10.79	46.1	11.05	47.4	11.28
		265.0	33.6	6.58	36.4	7.86	39.7	9.15	43.1	10.32	44.4	10.59	46.1	10.87	47.4	10.96
		318.0	33.6	6.48	36.4	7.78	39.7	9.04	43.1	10.21	44.4	10.49	46.1	10.78	47.4	10.80
60	10	84.8	28.8	1.57	31.2	1.81	34.0	2.11	36.9	2.40	38.1	2.46	39.5	2.50	40.6	2.55
		106.0	28.8	1.53	31.2	1.78	34.0	2.08	36.9	2.35	38.1	2.42	39.5	2.46	40.6	2.51
		212.0	28.8	1.41	31.2	1.67	34.0	1.96	36.9	2.19	38.1	2.25	39.5	2.32	40.6	2.35
		265.0	28.8	1.36	31.2	1.65	34.0	1.92	36.9	2.16	38.1	2.21	39.5	2.26	40.6	2.30
		318.0	28.8	1.34	31.2	1.65	34.0	1.90	36.9	2.15	38.1	2.19	39.5	2.23	40.6	2.27
	15	84.8	28.8	2.13	31.2	2.47	34.0	2.88	36.9	3.25	38.1	3.33	39.5	3.40	40.6	3.46
		106.0	28.8	2.09	31.2	2.43	34.0	2.83	36.9	3.19	38.1	3.27	39.5	3.34	40.6	3.41
		212.0	28.8	1.92	31.2	2.27	34.0	2.66	36.9	2.98	38.1	3.06	39.5	3.14	40.6	3.19
		265.0	28.8	1.86	31.2	2.23	34.0	2.60	36.9	2.93	38.1	3.00	39.5	3.07	40.6	3.11
		318.0	28.8	1.83	31.2	2.21	34.0	2.57	36.9	2.90	38.1	2.97	39.5	3.04	40.6	3.07
	20	84.8	28.8	2.63	31.2	3.06	34.0	3.55	36.9	4.00	38.1	4.10	39.5	4.20	40.6	4.27
		106.0	28.8	2.57	31.2	3.01	34.0	3.50	36.9	3.94	38.1	4.04	39.5	4.13	40.6	4.20
		212.0	28.8	2.37	31.2	2.81	34.0	3.27	36.9	3.69	38.1	3.77	39.5	3.87	40.6	3.94
		265.0	28.8	2.30	31.2	2.74	34.0	3.20	36.9	3.61	38.1	3.70	39.5	3.79	40.6	3.83
		318.0	28.8	2.27	31.2	2.71	34.0	3.16	36.9	3.57	38.1	3.66	39.5	3.76	40.6	3.78
	25	84.8	28.8	3.20	31.2	3.73	34.0	4.34	36.9	4.88	38.1	5.00	39.5	5.12	40.6	5.22
		106.0	28.8	3.14	31.2	3.67	34.0	4.27	36.9	4.80	38.1	4.92	39.5	5.04	40.6	5.13
		212.0	28.8	2.89	31.2	3.42	34.0	3.99	36.9	4.49	38.1	4.60	39.5	4.72	40.6	4.80
		265.0	28.8	2.81	31.2	3.34	34.0	3.91	36.9	4.40	38.1	4.52	39.5	4.63	40.6	4.68
		318.0	28.8	2.77	31.2	3.30	34.0	3.87	36.9	4.35	38.1	4.48	39.5	4.58	40.6	4.61
	30	84.8	28.8	3.94	31.2	4.57	34.0	5.33	36.9	6.00	38.1	6.15	39.5	6.29	40.6	6.42
		106.0	28.8	3.86	31.2	4.50	34.0	5.25	36.9	5.90	38.1	6.05	39.5	6.19	40.6	6.31
		212.0	28.8	3.55	31.2	4.21	34.0	4.91	36.9	5.53	38.1	5.65	39.5	5.80	40.6	5.90
		265.0	28.8	3.45	31.2	4.12	34.0	4.80	36.9	5.42	38.1	5.55	39.5	5.69	40.6	5.75
		318.0	28.8	3.40	31.2	4.08	34.0	4.75	36.9	5.37	38.1	5.50	39.5	5.64	40.6	5.68
	35	84.8	28.8	4.38	31.2	5.09	34.0	5.93	36.9	6.67	38.1	6.83	39.5	7.00	40.6	7.12
		106.0	28.8	4.29	31.2	5.01	34.0	5.83	36.9	6.56	38.1	6.72	39.5	6.89	40.6	7.01
		212.0	28.8	3.95	31.2	4.68	34.0	5.45	36.9	6.14	38.1	6.29	39.5	6.44	40.6	6.56
		265.0	28.8	3.83	31.2	4.58	34.0	5.34	36.9	6.02	38.1	6.17	39.5	6.33	40.6	6.39
		318.0	28.8	3.78	31.2	4.53	34.0	5.29	36.9	5.95	38.1	6.11	39.5	6.27	40.6	6.31
	40	84.8	28.8	5.18	31.2	6.02	34.0	7.02	36.9	7.90	38.1	8.09	39.5	8.28	40.6	8.45
		106.0	28.8	5.08	31.2	5.93	34.0	6.91	36.9	7.77	38.1	7.96	39.5	8.15	40.6	8.31
		212.0	28.8	4.68	31.2	5.54	34.0	6.46	36.9	7.27	38.1	7.44	39.5	7.63	40.6	7.77
		265.0	28.8	4.54	31.2	5.42	34.0	6.33	36.9	7.12	38.1	7.30	39.5	7.49	40.6	7.56
		318.0	28.8	4.47	31.2	5.36	34.0	6.26	36.9	7.05	38.1	7.23	39.5	7.42	40.6	7.46
	45	84.8	28.8	5.98	31.2	6.96	34.0	8.11	36.9	9.13	38.1	9.34	39.5	9.56	40.6	9.77
		106.0	28.8	5.86	31.2	6.85	34.0	7.98	36.9	8.98	38.1	9.19	39.5	9.41	40.6	9.61
		212.0	28.8	5.41	31.2	6.41	34.0	7.47	36.9	8.39	38.1	8.60	39.5	8.82	40.6	8.98
		265.0	28.8	5.25	31.2	6.26	34.0	7.32	36.9	8.23	38.1	8.43	39.5	8.65	40.6	8.74
		318.0	28.8	5.16	31.2	6.19	34.0	7.24	36.9	8.15	38.1	8.35	39.5	8.57	40.6	8.61
50	10	84.8	24.0	1.17	26.0	1.34	28.3	1.59	30.8	1.77	31.7	1.82	32.9	1.87	33.9	1.91
		106.0	24.0	1.15	26.0	1.33	28.3	1.57	30.8	1.74	31.7	1.80	32.9	1.84	33.9	1.87
		212.0	24.0	1.05	26.0	1.25	28.3	1.47	30.8	1.65	31.7	1.70	32.9	1.71	33.9	1.74
		265.0	24.0	1.02	26.0	1.24	28.3	1.44	30.8	1.60	31.7	1.63	32.9	1.69	33.9	1.70
		318.0	24.0	1.00	26.0	1.24	28.3	1.42	30.8	1.58	31.7	1.60	32.9	1.68	33.9	1.68

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	84.8	24.0	1.59	26.0	1.84	28.3	2.15	30.8	2.41	31.7	2.48	32.9	2.54	33.9	2.58
		106.0	24.0	1.56	26.0	1.81	28.3	2.12	30.8	2.37	31.7	2.44	32.9	2.49	33.9	2.54
		212.0	24.0	1.43	26.0	1.69	28.3	1.98	30.8	2.23	31.7	2.29	32.9	2.33	33.9	2.37
		265.0	24.0	1.39	26.0	1.67	28.3	1.94	30.8	2.18	31.7	2.23	32.9	2.29	33.9	2.32
		318.0	24.0	1.37	26.0	1.66	28.3	1.92	30.8	2.16	31.7	2.20	32.9	2.27	33.9	2.29
	20	84.8	24.0	1.96	26.0	2.29	28.3	2.65	30.8	2.98	31.7	3.06	32.9	3.13	33.9	3.19
		106.0	24.0	1.92	26.0	2.25	28.3	2.61	30.8	2.94	31.7	3.01	32.9	3.08	33.9	3.14
		212.0	24.0	1.77	26.0	2.09	28.3	2.44	30.8	2.74	31.7	2.81	32.9	2.89	33.9	2.94
		265.0	24.0	1.72	26.0	2.05	28.3	2.39	30.8	2.70	31.7	2.76	32.9	2.83	33.9	2.86
		318.0	24.0	1.69	26.0	2.02	28.3	2.37	30.8	2.67	31.7	2.74	32.9	2.80	33.9	2.83
	25	84.8	24.0	2.38	26.0	2.77	28.3	3.23	30.8	3.65	31.7	3.73	32.9	3.81	33.9	3.88
		106.0	24.0	2.33	26.0	2.73	28.3	3.18	30.8	3.59	31.7	3.67	32.9	3.75	33.9	3.82
		212.0	24.0	2.15	26.0	2.55	28.3	2.98	30.8	3.34	31.7	3.42	32.9	3.51	33.9	3.59
		265.0	24.0	2.09	26.0	2.49	28.3	2.91	30.8	3.28	31.7	3.36	32.9	3.45	33.9	3.49
		318.0	24.0	2.05	26.0	2.47	28.3	2.88	30.8	3.25	31.7	3.33	32.9	3.42	33.9	3.44
	30	84.8	24.0	2.94	26.0	3.42	28.3	3.98	30.8	4.48	31.7	4.59	32.9	4.69	33.9	4.78
		106.0	24.0	2.88	26.0	3.36	28.3	3.91	30.8	4.41	31.7	4.52	32.9	4.62	33.9	4.70
		212.0	24.0	2.65	26.0	3.14	28.3	3.66	30.8	4.12	31.7	4.21	32.9	4.33	33.9	4.40
		265.0	24.0	2.57	26.0	3.07	28.3	3.59	30.8	4.04	31.7	4.14	32.9	4.24	33.9	4.29
		318.0	24.0	2.54	26.0	3.04	28.3	3.55	30.8	4.00	31.7	4.10	32.9	4.20	33.9	4.24
	35	84.8	24.0	3.26	26.0	3.79	28.3	4.42	30.8	4.97	31.7	5.10	32.9	5.22	33.9	5.30
		106.0	24.0	3.20	26.0	3.73	28.3	4.35	30.8	4.89	31.7	5.01	32.9	5.13	33.9	5.22
		212.0	24.0	2.94	26.0	3.49	28.3	4.07	30.8	4.58	31.7	4.68	32.9	4.80	33.9	4.89
		265.0	24.0	2.86	26.0	3.42	28.3	3.98	30.8	4.49	31.7	4.60	32.9	4.72	33.9	4.76
		318.0	24.0	2.82	26.0	3.38	28.3	3.93	30.8	4.45	31.7	4.55	32.9	4.67	33.9	4.70
	40	84.8	24.0	3.87	26.0	4.49	28.3	5.24	30.8	5.89	31.7	6.03	32.9	6.18	33.9	6.29
		106.0	24.0	3.79	26.0	4.42	28.3	5.15	30.8	5.80	31.7	5.94	32.9	6.08	33.9	6.19
		212.0	24.0	3.48	26.0	4.13	28.3	4.81	30.8	5.42	31.7	5.55	32.9	5.69	33.9	5.79
		265.0	24.0	3.38	26.0	4.04	28.3	4.72	30.8	5.32	31.7	5.45	32.9	5.58	33.9	5.64
		318.0	24.0	3.34	26.0	4.00	28.3	4.67	30.8	5.27	31.7	5.39	32.9	5.53	33.9	5.56
	45	84.8	24.0	4.48	26.0	5.19	28.3	6.05	30.8	6.82	31.7	6.97	32.9	7.14	33.9	7.28
		106.0	24.0	4.39	26.0	5.11	28.3	5.95	30.8	6.71	31.7	6.86	32.9	7.03	33.9	7.16
		212.0	24.0	4.02	26.0	4.77	28.3	5.56	30.8	6.26	31.7	6.42	32.9	6.58	33.9	6.69
		265.0	24.0	3.91	26.0	4.67	28.3	5.46	30.8	6.14	31.7	6.30	32.9	6.45	33.9	6.51
		318.0	24.0	3.85	26.0	4.62	28.3	5.40	30.8	6.08	31.7	6.24	32.9	6.38	33.9	6.42

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(24HP)

ARWN240LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	92.8	62.5	4.35	67.6	5.06	73.6	5.91	80.0	6.65	82.5	6.80	85.6	6.97	88.1	7.11
		116.0	62.5	4.27	67.6	4.98	73.6	5.82	80.0	6.54	82.5	6.70	85.6	6.87	88.1	7.00
		232.0	62.5	3.95	67.6	4.67	73.6	5.43	80.0	6.11	82.5	6.27	85.6	6.44	88.1	6.55
		290.0	62.5	3.82	67.6	4.55	73.6	5.32	80.0	5.99	82.5	6.14	85.6	6.30	88.1	6.41
		348.0	62.5	3.75	67.6	4.50	73.6	5.26	80.0	5.92	82.5	6.08	85.6	6.23	88.1	6.34
	15	92.8	61.5	5.72	66.5	6.66	72.5	7.76	78.8	8.73	81.2	8.94	84.3	9.16	86.7	9.32
		116.0	61.5	5.61	66.5	6.55	72.5	7.63	78.8	8.59	81.2	8.79	84.3	9.01	86.7	9.18
		232.0	61.5	5.17	66.5	6.12	72.5	7.14	78.8	8.03	81.2	8.24	84.3	8.46	86.7	8.62
		290.0	61.5	5.02	66.5	5.99	72.5	6.99	78.8	7.87	81.2	8.08	84.3	8.28	86.7	8.43
		348.0	61.5	4.95	66.5	5.92	72.5	6.92	78.8	7.79	81.2	7.99	84.3	8.19	86.7	8.33
	20	92.8	60.6	6.93	65.6	8.08	71.4	9.40	77.7	10.58	80.0	10.83	83.1	11.09	85.4	11.28
		116.0	60.6	6.80	65.6	7.94	71.4	9.25	77.7	10.41	80.0	10.66	83.1	10.92	85.4	11.11
		232.0	60.6	6.25	65.6	7.41	71.4	8.65	77.7	9.73	80.0	9.98	83.1	10.25	85.4	10.45
		290.0	60.6	6.09	65.6	7.27	71.4	8.47	77.7	9.54	80.0	9.79	83.1	10.04	85.4	10.22
		348.0	60.6	6.01	65.6	7.19	71.4	8.38	77.7	9.45	80.0	9.70	83.1	9.94	85.4	10.10
	25	92.8	60.6	8.57	65.6	9.96	71.4	11.60	77.7	13.06	80.0	13.35	83.1	13.69	85.4	13.92
		116.0	60.6	8.40	65.6	9.79	71.4	11.41	77.7	12.85	80.0	13.14	83.1	13.48	85.4	13.71
		232.0	60.6	7.72	65.6	9.15	71.4	10.66	77.7	12.01	80.0	12.30	83.1	12.63	85.4	12.89
		290.0	60.6	7.50	65.6	8.96	71.4	10.44	77.7	11.77	80.0	12.08	83.1	12.39	85.4	12.60
		348.0	60.6	7.39	65.6	8.86	71.4	10.33	77.7	11.66	80.0	11.97	83.1	12.27	85.4	12.45
	30	92.8	60.6	10.28	65.6	11.94	71.4	13.91	77.7	15.67	80.0	16.04	83.1	16.42	85.4	16.71
		116.0	60.6	10.07	65.6	11.75	71.4	13.68	77.7	15.42	80.0	15.78	83.1	16.16	85.4	16.46
		232.0	60.6	9.26	65.6	10.98	71.4	12.79	77.7	14.40	80.0	14.77	83.1	15.15	85.4	15.46
		290.0	60.6	9.00	65.6	10.75	71.4	12.54	77.7	14.12	80.0	14.49	83.1	14.86	85.4	15.11
		348.0	60.6	8.87	65.6	10.63	71.4	12.41	77.7	13.99	80.0	14.35	83.1	14.71	85.4	14.93
	35	92.8	54.5	10.40	59.0	12.07	64.3	14.07	69.9	15.83	72.0	16.22	74.8	16.60	76.9	16.89
		116.0	54.5	10.19	59.0	11.88	64.3	13.84	69.9	15.58	72.0	15.96	74.8	16.34	76.9	16.63
		232.0	54.5	9.37	59.0	11.11	64.3	12.93	69.9	14.56	72.0	14.93	74.8	15.33	76.9	15.64
		290.0	54.5	9.10	59.0	10.86	64.3	12.67	69.9	14.29	72.0	14.65	74.8	15.03	76.9	15.28
		348.0	54.5	8.97	59.0	10.74	64.3	12.54	69.9	14.15	72.0	14.51	74.8	14.89	76.9	15.11
	40	92.8	48.4	10.97	52.5	12.73	57.1	14.83	62.1	16.71	64.0	17.10	66.5	17.51	68.3	17.83
		116.0	48.4	10.75	52.5	12.52	57.1	14.59	62.1	16.44	64.0	16.83	66.5	17.24	68.3	17.56
		232.0	48.4	9.88	52.5	11.72	57.1	13.65	62.1	15.37	64.0	15.75	66.5	16.16	68.3	16.49
		290.0	48.4	9.60	52.5	11.47	57.1	13.36	62.1	15.06	64.0	15.46	66.5	15.86	68.3	16.12
		348.0	48.4	9.46	52.5	11.34	57.1	13.21	62.1	14.91	64.0	15.31	66.5	15.70	68.3	15.94
	45	92.8	42.4	11.53	45.9	13.38	50.0	15.59	54.4	17.60	56.0	17.97	58.1	18.42	59.8	18.77
		116.0	42.4	11.31	45.9	13.17	50.0	15.34	54.4	17.31	56.0	17.69	58.1	18.13	59.8	18.48
		232.0	42.4	10.39	45.9	12.32	50.0	14.37	54.4	16.18	56.0	16.58	58.1	17.00	59.8	17.34
		290.0	42.4	10.10	45.9	12.07	50.0	14.05	54.4	15.84	56.0	16.27	58.1	16.68	59.8	16.96
		348.0	42.4	9.95	45.9	11.94	50.0	13.89	54.4	15.67	56.0	16.11	58.1	16.52	59.8	16.77
120	10	92.8	59.1	4.14	64.0	4.81	69.7	5.58	75.7	6.31	78.1	6.45	81.1	6.61	83.4	6.74
		116.0	59.1	4.05	64.0	4.73	69.7	5.50	75.7	6.21	78.1	6.35	81.1	6.50	83.4	6.63
		232.0	59.1	3.71	64.0	4.42	69.7	5.16	75.7	5.78	78.1	5.94	81.1	6.09	83.4	6.22
		290.0	59.1	3.61	64.0	4.31	69.7	5.03	75.7	5.68	78.1	5.82	81.1	6.00	83.4	6.08
		348.0	59.1	3.56	64.0	4.25	69.7	4.96	75.7	5.63	78.1	5.77	81.1	5.95	83.4	6.01
	15	92.8	58.4	5.48	63.3	6.37	68.9	7.42	74.9	8.36	77.2	8.55	80.2	8.76	82.4	8.92
		116.0	58.4	5.37	63.3	6.27	68.9	7.30	74.9	8.22	77.2	8.41	80.2	8.62	82.4	8.78
		232.0	58.4	4.93	63.3	5.86	68.9	6.83	74.9	7.68	77.2	7.87	80.2	8.08	82.4	8.24
		290.0	58.4	4.80	63.3	5.73	68.9	6.68	74.9	7.53	77.2	7.72	80.2	7.93	82.4	8.05
		348.0	58.4	4.74	63.3	5.66	68.9	6.61	74.9	7.46	77.2	7.65	80.2	7.86	82.4	7.95
	20	92.8	57.8	6.68	62.6	7.76	68.2	9.05	74.2	10.18	76.4	10.41	79.3	10.66	81.6	10.86
		116.0	57.8	6.55	62.6	7.63	68.2	8.90	74.2	10.01	76.4	10.25	79.3	10.50	81.6	10.69
		232.0	57.8	6.02	62.6	7.14	68.2	8.31	74.2	9.37	76.4	9.59	79.3	9.84	81.6	10.03
		290.0	57.8	5.86	62.6	6.99	68.2	8.15	74.2	9.18	76.4	9.41	79.3	9.65	81.6	9.79
		348.0	57.8	5.78	62.6	6.92	68.2	8.07	74.2	9.08	76.4	9.32	79.3	9.55	81.6	9.68
	25	92.8	57.8	8.21	62.6	9.54	68.2	11.10	74.2	12.50	76.4	12.80	79.3	13.11	81.6	13.34
		116.0	57.8	8.05	62.6	9.38	68.2	10.92	74.2	12.30	76.4	12.60	79.3	12.91	81.6	13.14
		232.0	57.8	7.40	62.6	8.77	68.2	10.22	74.2	11.51	76.4	11.79	79.3	12.10	81.6	12.33
		290.0	57.8	7.19	62.6	8.59	68.2	10.01	74.2	11.28	76.4	11.57	79.3	11.86	81.6	12.04
		348.0	57.8	7.09	62.6	8.50	68.2	9.91	74.2	11.16	76.4	11.46	79.3	11.75	81.6	11.89
	30	92.8	57.8	9.92	62.6	11.54	68.2	13.43	74.2	15.11	76.4	15.49	79.3	15.86	81.6	16.13
		116.0	57.8	9.72	62.6	11.35	68.2	13.21	74.2	14.87	76.4	15.24	79.3	15.61	81.6	15.89
		232.0	57.8	8.94	62.6	10.60	68.2	12.35	74.2	13.92	76.4	14.26	79.3	14.62	81.6	14.92
		290.0	57.8	8.69	62.6	10.38	68.2	12.10	74.2	13.64	76.4	13.99	79.3	14.34	81.6	14.56
		348.0	57.8	8.57	62.6	10.27	68.2	11.97	74.2	13.50	76.4	13.86	79.3	14.21	81.6	14.39

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	92.8	52.9	10.17	57.3	11.82	62.4	13.76	67.9	15.51	69.9	15.88	72.6	16.26	74.7	16.53
		116.0	52.9	9.97	57.3	11.63	62.4	13.54	67.9	15.25	69.9	15.62	72.6	16.00	74.7	16.28
		232.0	52.9	9.16	57.3	10.86	62.4	12.66	67.9	14.26	69.9	14.61	72.6	14.99	74.7	15.28
		290.0	52.9	8.91	57.3	10.64	62.4	12.41	67.9	13.98	69.9	14.34	72.6	14.70	74.7	14.92
		348.0	52.9	8.79	57.3	10.53	62.4	12.28	67.9	13.84	69.9	14.21	72.6	14.55	74.7	14.73
	40	92.8	48.0	10.95	52.0	12.71	56.7	14.82	61.6	16.68	63.4	17.09	65.9	17.50	67.7	17.80
		116.0	48.0	10.73	52.0	12.51	56.7	14.58	61.6	16.41	63.4	16.81	65.9	17.22	67.7	17.53
		232.0	48.0	9.87	52.0	11.70	56.7	13.62	61.6	15.34	63.4	15.72	65.9	16.14	67.7	16.44
		290.0	48.0	9.59	52.0	11.45	56.7	13.35	61.6	15.05	63.4	15.43	65.9	15.83	67.7	16.06
		348.0	48.0	9.45	52.0	11.33	56.7	13.21	61.6	14.90	63.4	15.28	65.9	15.67	67.7	15.87
	45	92.8	43.1	11.73	46.7	13.60	50.9	15.88	55.3	17.86	56.9	18.29	59.2	18.73	60.8	19.07
		116.0	43.1	11.50	46.7	13.39	50.9	15.62	55.3	17.57	56.9	18.00	59.2	18.44	60.8	18.78
		232.0	43.1	10.57	46.7	12.54	50.9	14.59	55.3	16.43	56.9	16.84	59.2	17.28	60.8	17.60
		290.0	43.1	10.26	46.7	12.26	50.9	14.29	55.3	16.12	56.9	16.52	59.2	16.96	60.8	17.21
		348.0	43.1	10.11	46.7	12.12	50.9	14.13	55.3	15.97	56.9	16.36	59.2	16.80	60.8	17.01
110	10	92.8	55.8	3.90	60.4	4.53	65.8	5.27	71.5	5.94	73.6	6.10	76.4	6.22	78.6	6.37
		116.0	55.8	3.82	60.4	4.46	65.8	5.19	71.5	5.84	73.6	6.00	76.4	6.12	78.6	6.27
		232.0	55.8	3.51	60.4	4.17	65.8	4.87	71.5	5.46	73.6	5.62	76.4	5.76	78.6	5.87
		290.0	55.8	3.41	60.4	4.09	65.8	4.75	71.5	5.38	73.6	5.50	76.4	5.65	78.6	5.70
		348.0	55.8	3.36	60.4	4.05	65.8	4.70	71.5	5.34	73.6	5.45	76.4	5.59	78.6	5.61
	15	92.8	55.4	5.23	60.0	6.07	65.4	7.07	71.1	7.97	73.2	8.16	76.0	8.35	78.2	8.52
		116.0	55.4	5.12	60.0	5.98	65.4	6.96	71.1	7.84	73.2	8.03	76.0	8.22	78.2	8.38
		232.0	55.4	4.71	60.0	5.59	65.4	6.52	71.1	7.33	73.2	7.52	76.0	7.71	78.2	7.85
		290.0	55.4	4.58	60.0	5.48	65.4	6.37	71.1	7.19	73.2	7.37	76.0	7.56	78.2	7.65
		348.0	55.4	4.51	60.0	5.42	65.4	6.30	71.1	7.13	73.2	7.30	76.0	7.49	78.2	7.55
	20	92.8	55.1	6.41	59.7	7.44	65.0	8.67	70.7	9.78	72.8	10.00	75.6	10.25	77.7	10.43
		116.0	55.1	6.28	59.7	7.33	65.0	8.53	70.7	9.62	72.8	9.84	75.6	10.09	77.7	10.26
		232.0	55.1	5.78	59.7	6.86	65.0	7.99	70.7	8.99	72.8	9.21	75.6	9.44	77.7	9.62
		290.0	55.1	5.62	59.7	6.71	65.0	7.81	70.7	8.81	72.8	9.03	75.6	9.26	77.7	9.38
		348.0	55.1	5.54	59.7	6.64	65.0	7.72	70.7	8.72	72.8	8.94	75.6	9.18	77.7	9.26
	25	92.8	55.1	7.85	59.7	9.12	65.0	10.62	70.7	11.97	72.8	12.25	75.6	12.54	77.7	12.77
		116.0	55.1	7.69	59.7	8.97	65.0	10.45	70.7	11.77	72.8	12.05	75.6	12.35	77.7	12.57
		232.0	55.1	7.08	59.7	8.38	65.0	9.78	70.7	11.01	72.8	11.28	75.6	11.57	77.7	11.77
		290.0	55.1	6.89	59.7	8.21	65.0	9.57	70.7	10.79	72.8	11.06	75.6	11.35	77.7	11.48
		348.0	55.1	6.79	59.7	8.12	65.0	9.47	70.7	10.68	72.8	10.95	75.6	11.24	77.7	11.34
	30	92.8	55.1	9.57	59.7	11.12	65.0	12.96	70.7	14.58	72.8	14.94	75.6	15.29	77.7	15.57
		116.0	55.1	9.38	59.7	10.94	65.0	12.74	70.7	14.34	72.8	14.70	75.6	15.05	77.7	15.33
		232.0	55.1	8.62	59.7	10.23	65.0	11.91	70.7	13.42	72.8	13.74	75.6	14.09	77.7	14.36
		290.0	55.1	8.38	59.7	10.01	65.0	11.67	70.7	13.15	72.8	13.48	75.6	13.83	77.7	14.01
		348.0	55.1	8.27	59.7	9.90	65.0	11.56	70.7	13.02	72.8	13.35	75.6	13.70	77.7	13.83
	35	92.8	51.4	9.95	55.6	11.57	60.6	13.46	65.8	15.16	67.8	15.52	70.5	15.90	72.4	16.18
		116.0	51.4	9.75	55.6	11.38	60.6	13.24	65.8	14.92	67.8	15.27	70.5	15.65	72.4	15.93
		232.0	51.4	8.97	55.6	10.63	60.6	12.39	65.8	13.95	67.8	14.29	70.5	14.65	72.4	14.93
		290.0	51.4	8.72	55.6	10.41	60.6	12.13	65.8	13.67	67.8	14.02	70.5	14.37	72.4	14.56
		348.0	51.4	8.60	55.6	10.30	60.6	12.00	65.8	13.53	67.8	13.89	70.5	14.23	72.4	14.38
	40	92.8	47.6	10.94	51.6	12.70	56.1	14.79	61.0	16.65	62.9	17.06	65.3	17.47	67.1	17.78
		116.0	47.6	10.72	51.6	12.49	56.1	14.55	61.0	16.38	62.9	16.78	65.3	17.19	67.1	17.50
		232.0	47.6	9.85	51.6	11.69	56.1	13.61	61.0	15.33	62.9	15.69	65.3	16.11	67.1	16.40
		290.0	47.6	9.57	51.6	11.44	56.1	13.33	61.0	15.02	62.9	15.40	65.3	15.80	67.1	15.99
		348.0	47.6	9.43	51.6	11.31	56.1	13.19	61.0	14.87	62.9	15.26	65.3	15.64	67.1	15.78
	45	92.8	43.8	11.93	47.5	13.83	51.7	16.12	56.2	18.14	57.9	18.59	60.1	19.03	61.8	19.38
		116.0	43.8	11.69	47.5	13.61	51.7	15.86	56.2	17.85	57.9	18.29	60.1	18.73	61.8	19.07
		232.0	43.8	10.73	47.5	12.74	51.7	14.83	56.2	16.71	57.9	17.10	60.1	17.56	61.8	17.87
		290.0	43.8	10.42	47.5	12.46	51.7	14.54	56.2	16.37	57.9	16.78	60.1	17.22	61.8	17.41
		348.0	43.8	10.27	47.5	12.33	51.7	14.39	56.2	16.20	57.9	16.62	60.1	17.05	61.8	17.19
100	10	92.8	52.4	3.69	56.7	4.28	61.8	4.99	67.2	5.62	69.2	5.75	71.9	5.89	73.9	5.97
		116.0	52.4	3.62	56.7	4.21	61.8	4.90	67.2	5.52	69.2	5.65	71.9	5.79	73.9	5.87
		232.0	52.4	3.32	56.7	3.94	61.8	4.56	67.2	5.16	69.2	5.27	71.9	5.39	73.9	5.49
		290.0	52.4	3.20	56.7	3.84	61.8	4.49	67.2	5.04	69.2	5.18	71.9	5.29	73.9	5.35
		348.0	52.4	3.15	56.7	3.79	61.8	4.46	67.2	4.98	69.2	5.14	71.9	5.25	73.9	5.28
	15	92.8	52.4	4.99	56.7	5.79	61.8	6.75	67.2	7.60	69.2	7.78	71.9	7.97	73.9	8.10
		116.0	52.4	4.89	56.7	5.70	61.8	6.64	67.2	7.47	69.2	7.65	71.9	7.84	73.9	7.97
		232.0	52.4	4.49	56.7	5.33	61.8	6.20	67.2	6.99	69.2	7.15	71.9	7.33	73.9	7.46
		290.0	52.4	4.36	56.7	5.21	61.8	6.08	67.2	6.84	69.2	7.02	71.9	7.19	73.9	7.27
		348.0	52.4	4.29	56.7	5.15	61.8	6.02	67.2	6.77	69.2	6.95	71.9	7.13	73.9	7.17

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	92.8	52.4	6.14	56.7	7.13	61.8	8.31	67.2	9.35	69.2	9.58	71.9	9.82	73.9	10.00
		116.0	52.4	6.02	56.7	7.02	61.8	8.18	67.2	9.21	69.2	9.43	71.9	9.66	73.9	9.84
		232.0	52.4	5.54	56.7	6.56	61.8	7.65	67.2	8.62	69.2	8.82	71.9	9.04	73.9	9.21
		290.0	52.4	5.39	56.7	6.43	61.8	7.49	67.2	8.44	69.2	8.65	71.9	8.88	73.9	8.97
		348.0	52.4	5.32	56.7	6.36	61.8	7.41	67.2	8.35	69.2	8.56	71.9	8.80	73.9	8.85
	25	92.8	52.4	7.49	56.7	8.70	61.8	10.15	67.2	11.42	69.2	11.68	71.9	11.98	73.9	12.19
		116.0	52.4	7.34	56.7	8.56	61.8	9.98	67.2	11.23	69.2	11.50	71.9	11.79	73.9	12.00
		232.0	52.4	6.75	56.7	8.00	61.8	9.32	67.2	10.50	69.2	10.76	71.9	11.03	73.9	11.23
		290.0	52.4	6.56	56.7	7.84	61.8	9.13	67.2	10.29	69.2	10.56	71.9	10.82	73.9	10.94
		348.0	52.4	6.47	56.7	7.76	61.8	9.04	67.2	10.19	69.2	10.45	71.9	10.72	73.9	10.79
	30	92.8	52.4	9.21	56.7	10.72	61.8	12.48	67.2	14.04	69.2	14.39	71.9	14.72	73.9	14.99
		116.0	52.4	9.03	56.7	10.54	61.8	12.27	67.2	13.82	69.2	14.15	71.9	14.49	73.9	14.76
		232.0	52.4	8.31	56.7	9.85	61.8	11.47	67.2	12.92	69.2	13.23	71.9	13.57	73.9	13.82
		290.0	52.4	8.08	56.7	9.65	61.8	11.23	67.2	12.67	69.2	12.98	71.9	13.32	73.9	13.45
		348.0	52.4	7.96	56.7	9.54	61.8	11.11	67.2	12.55	69.2	12.85	71.9	13.19	73.9	13.27
	35	92.8	49.8	9.72	53.9	11.30	58.8	13.16	63.8	14.82	65.8	15.18	68.3	15.55	70.2	15.83
		116.0	49.8	9.53	53.9	11.11	58.8	12.95	63.8	14.58	65.8	14.93	68.3	15.30	70.2	15.58
		232.0	49.8	8.77	53.9	10.39	58.8	12.11	63.8	13.64	65.8	13.96	68.3	14.31	70.2	14.58
		290.0	49.8	8.53	53.9	10.17	58.8	11.86	63.8	13.38	65.8	13.70	68.3	14.05	70.2	14.20
		348.0	49.8	8.41	53.9	10.06	58.8	11.74	63.8	13.24	65.8	13.57	68.3	13.92	70.2	14.01
	40	92.8	47.2	10.90	51.1	12.69	55.6	14.78	60.5	16.64	62.3	17.03	64.7	17.44	66.5	17.75
		116.0	47.2	10.69	51.1	12.48	55.6	14.54	60.5	16.37	62.3	16.75	64.7	17.16	66.5	17.47
		232.0	47.2	9.84	51.1	11.66	55.6	13.58	60.5	15.30	62.3	15.67	64.7	16.06	66.5	16.36
		290.0	47.2	9.56	51.1	11.41	55.6	13.30	60.5	15.00	62.3	15.37	64.7	15.77	66.5	15.93
		348.0	47.2	9.42	51.1	11.28	55.6	13.16	60.5	14.86	62.3	15.23	64.7	15.62	66.5	15.72
	45	92.8	44.6	12.09	48.3	14.08	52.5	16.39	57.1	18.47	58.8	18.88	61.1	19.34	62.9	19.68
		116.0	44.6	11.85	48.3	13.84	52.5	16.12	57.1	18.16	58.8	18.57	61.1	19.03	62.9	19.37
		232.0	44.6	10.91	48.3	12.92	52.5	15.05	57.1	16.96	58.8	17.37	61.1	17.81	62.9	18.13
		290.0	44.6	10.59	48.3	12.64	52.5	14.74	57.1	16.63	58.8	17.05	61.1	17.49	62.9	17.66
		348.0	44.6	10.42	48.3	12.50	52.5	14.59	57.1	16.47	58.8	16.88	61.1	17.33	62.9	17.43
90	10	92.8	47.2	3.16	51.1	3.68	55.6	4.27	60.5	4.83	62.3	4.92	64.7	5.03	66.5	5.15
		116.0	47.2	3.09	51.1	3.62	55.6	4.21	60.5	4.75	62.3	4.84	64.7	4.96	66.5	5.07
		232.0	47.2	2.84	51.1	3.37	55.6	3.96	60.5	4.42	62.3	4.53	64.7	4.66	66.5	4.75
		290.0	47.2	2.77	51.1	3.29	55.6	3.86	60.5	4.33	62.3	4.45	64.7	4.58	66.5	4.60
		348.0	47.2	2.73	51.1	3.25	55.6	3.81	60.5	4.29	62.3	4.41	64.7	4.54	66.5	4.53
	15	92.8	47.2	4.28	51.1	4.99	55.6	5.80	60.5	6.54	62.3	6.69	64.7	6.85	66.5	6.98
		116.0	47.2	4.20	51.1	4.90	55.6	5.71	60.5	6.43	62.3	6.58	64.7	6.74	66.5	6.87
		232.0	47.2	3.86	51.1	4.58	55.6	5.34	60.5	6.00	62.3	6.15	64.7	6.31	66.5	6.43
		290.0	47.2	3.76	51.1	4.48	55.6	5.23	60.5	5.89	62.3	6.03	64.7	6.20	66.5	6.25
		348.0	47.2	3.71	51.1	4.43	55.6	5.17	60.5	5.83	62.3	5.98	64.7	6.14	66.5	6.17
	20	92.8	47.2	5.29	51.1	6.15	55.6	7.17	60.5	8.06	62.3	8.25	64.7	8.46	66.5	8.61
		116.0	47.2	5.18	51.1	6.05	55.6	7.05	60.5	7.93	62.3	8.12	64.7	8.32	66.5	8.47
		232.0	47.2	4.77	51.1	5.65	55.6	6.58	60.5	7.41	62.3	7.59	64.7	7.78	66.5	7.93
		290.0	47.2	4.64	51.1	5.54	55.6	6.45	60.5	7.27	62.3	7.44	64.7	7.63	66.5	7.72
		348.0	47.2	4.57	51.1	5.48	55.6	6.38	60.5	7.19	62.3	7.37	64.7	7.56	66.5	7.62
	25	92.8	47.2	6.44	51.1	7.49	55.6	8.73	60.5	9.83	62.3	10.06	64.7	10.31	66.5	10.49
		116.0	47.2	6.31	51.1	7.37	55.6	8.59	60.5	9.68	62.3	9.90	64.7	10.15	66.5	10.32
		232.0	47.2	5.81	51.1	6.89	55.6	8.03	60.5	9.04	62.3	9.26	64.7	9.50	66.5	9.66
		290.0	47.2	5.65	51.1	6.74	55.6	7.87	60.5	8.87	62.3	9.09	64.7	9.32	66.5	9.41
		348.0	47.2	5.57	51.1	6.67	55.6	7.79	60.5	8.78	62.3	9.00	64.7	9.24	66.5	9.29
	30	92.8	47.2	7.92	51.1	9.23	55.6	10.73	60.5	12.09	62.3	12.37	64.7	12.68	66.5	12.90
		116.0	47.2	7.77	51.1	9.07	55.6	10.56	60.5	11.89	62.3	12.17	64.7	12.48	66.5	12.70
		232.0	47.2	7.15	51.1	8.47	55.6	9.88	60.5	11.11	62.3	11.39	64.7	11.67	66.5	11.89
		290.0	47.2	6.96	51.1	8.30	55.6	9.68	60.5	10.91	62.3	11.17	64.7	11.47	66.5	11.57
		348.0	47.2	6.86	51.1	8.21	55.6	9.57	60.5	10.81	62.3	11.06	64.7	11.36	66.5	11.41
	35	92.8	45.9	8.55	49.7	9.94	54.1	11.58	58.8	13.04	60.6	13.36	62.9	13.68	64.7	13.92
		116.0	45.9	8.38	49.7	9.78	54.1	11.39	58.8	12.83	60.6	13.14	62.9	13.46	64.7	13.70
		232.0	45.9	7.71	49.7	9.15	54.1	10.66	58.8	12.00	60.6	12.29	62.9	12.60	64.7	12.83
		290.0	45.9	7.50	49.7	8.96	54.1	10.44	58.8	11.76	60.6	12.05	62.9	12.36	64.7	12.49
		348.0	45.9	7.40	49.7	8.86	54.1	10.33	58.8	11.64	60.6	11.94	62.9	12.25	64.7	12.33
	40	92.8	44.6	9.82	48.3	11.41	52.5	13.31	57.1	14.98	58.8	15.34	61.1	15.71	62.8	15.99
		116.0	44.6	9.63	48.3	11.23	52.5	13.10	57.1	14.74	58.8	15.09	61.1	15.46	62.8	15.74
		232.0	44.6	8.87	48.3	10.51	52.5	12.24	57.1	13.79	58.8	14.11	61.1	14.48	62.8	14.74
		290.0	44.6	8.62	48.3	10.28	52.5	12.00	57.1	13.51	58.8	13.84	61.1	14.20	62.8	14.34
		348.0	44.6	8.49	48.3	10.16	52.5	11.87	57.1	13.37	58.8	13.71	61.1	14.06	62.8	14.15

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	92.8	43.3	11.09	46.9	12.89	51.0	15.04	55.4	16.92	57.1	17.33	59.4	17.73	60.9	18.07
		116.0	43.3	10.88	46.9	12.69	51.0	14.80	55.4	16.65	57.1	17.05	59.4	17.46	60.9	17.78
		232.0	43.3	10.03	46.9	11.88	51.0	13.83	55.4	15.58	57.1	15.93	59.4	16.36	60.9	16.65
		290.0	43.3	9.73	46.9	11.60	51.0	13.55	55.4	15.25	57.1	15.64	59.4	16.03	60.9	16.19
		348.0	43.3	9.59	46.9	11.46	51.0	13.41	55.4	15.09	57.1	15.49	59.4	15.87	60.9	15.97
80	10	92.8	42.0	2.65	45.4	3.09	49.5	3.59	53.8	4.03	55.4	4.13	57.5	4.24	59.1	4.30
		116.0	42.0	2.60	45.4	3.04	49.5	3.53	53.8	3.97	55.4	4.07	57.5	4.17	59.1	4.24
		232.0	42.0	2.40	45.4	2.84	49.5	3.31	53.8	3.71	55.4	3.80	57.5	3.88	59.1	3.97
		290.0	42.0	2.33	45.4	2.77	49.5	3.25	53.8	3.66	55.4	3.74	57.5	3.84	59.1	3.85
		348.0	42.0	2.30	45.4	2.73	49.5	3.22	53.8	3.63	55.4	3.72	57.5	3.82	59.1	3.80
	15	92.8	42.0	3.59	45.4	4.18	49.5	4.86	53.8	5.48	55.4	5.61	57.5	5.75	59.1	5.85
		116.0	42.0	3.52	45.4	4.11	49.5	4.79	53.8	5.39	55.4	5.52	57.5	5.65	59.1	5.76
		232.0	42.0	3.24	45.4	3.85	49.5	4.48	53.8	5.04	55.4	5.15	57.5	5.29	59.1	5.39
		290.0	42.0	3.16	45.4	3.76	49.5	4.39	53.8	4.95	55.4	5.07	57.5	5.20	59.1	5.24
		348.0	42.0	3.11	45.4	3.71	49.5	4.35	53.8	4.90	55.4	5.02	57.5	5.15	59.1	5.17
	20	92.8	42.0	4.43	45.4	5.15	49.5	6.00	53.8	6.76	55.4	6.93	57.5	7.09	59.1	7.22
		116.0	42.0	4.35	45.4	5.07	49.5	5.90	53.8	6.65	55.4	6.81	57.5	6.97	59.1	7.11
		232.0	42.0	3.99	45.4	4.74	49.5	5.52	53.8	6.21	55.4	6.36	57.5	6.53	59.1	6.65
		290.0	42.0	3.89	45.4	4.64	49.5	5.40	53.8	6.09	55.4	6.24	57.5	6.40	59.1	6.47
		348.0	42.0	3.84	45.4	4.59	49.5	5.34	53.8	6.03	55.4	6.18	57.5	6.34	59.1	6.39
	25	92.8	42.0	5.41	45.4	6.28	49.5	7.31	53.8	8.24	55.4	8.43	57.5	8.64	59.1	8.80
		116.0	42.0	5.30	45.4	6.18	49.5	7.19	53.8	8.10	55.4	8.30	57.5	8.50	59.1	8.66
		232.0	42.0	4.87	45.4	5.78	49.5	6.72	53.8	7.58	55.4	7.77	57.5	7.96	59.1	8.10
		290.0	42.0	4.74	45.4	5.65	49.5	6.59	53.8	7.43	55.4	7.62	57.5	7.81	59.1	7.88
		348.0	42.0	4.68	45.4	5.59	49.5	6.53	53.8	7.36	55.4	7.55	57.5	7.74	59.1	7.77
	30	92.8	42.0	6.65	45.4	7.73	49.5	9.00	53.8	10.13	55.4	10.37	57.5	10.62	59.1	10.81
		116.0	42.0	6.52	45.4	7.61	49.5	8.85	53.8	9.97	55.4	10.20	57.5	10.45	59.1	10.64
		232.0	42.0	5.99	45.4	7.11	49.5	8.28	53.8	9.32	55.4	9.54	57.5	9.79	59.1	9.97
		290.0	42.0	5.83	45.4	6.96	49.5	8.10	53.8	9.15	55.4	9.37	57.5	9.60	59.1	9.70
		348.0	42.0	5.75	45.4	6.89	49.5	8.02	53.8	9.06	55.4	9.28	57.5	9.51	59.1	9.57
	35	92.8	42.0	7.38	45.4	8.58	49.5	10.00	53.8	11.27	55.4	11.54	57.5	11.82	59.1	12.03
		116.0	42.0	7.24	45.4	8.44	49.5	9.84	53.8	11.08	55.4	11.35	57.5	11.63	59.1	11.83
		232.0	42.0	6.67	45.4	7.90	49.5	9.21	53.8	10.37	55.4	10.60	57.5	10.88	59.1	11.07
		290.0	42.0	6.47	45.4	7.72	49.5	9.01	53.8	10.16	55.4	10.41	57.5	10.67	59.1	10.78
		348.0	42.0	6.38	45.4	7.63	49.5	8.92	53.8	10.06	55.4	10.31	57.5	10.57	59.1	10.63
	40	92.8	42.0	8.75	45.4	10.16	49.5	11.85	53.8	13.34	55.4	13.66	57.5	13.98	59.1	14.23
		116.0	42.0	8.57	45.4	10.00	49.5	11.66	53.8	13.13	55.4	13.43	57.5	13.76	59.1	14.01
		232.0	42.0	7.88	45.4	9.35	49.5	10.89	53.8	12.27	55.4	12.55	57.5	12.88	59.1	13.11
		290.0	42.0	7.66	45.4	9.15	49.5	10.67	53.8	12.02	55.4	12.32	57.5	12.64	59.1	12.77
		348.0	42.0	7.55	45.4	9.04	49.5	10.56	53.8	11.90	55.4	12.20	57.5	12.52	59.1	12.61
	45	92.8	42.0	10.11	45.4	11.74	49.5	13.70	53.8	15.41	55.4	15.77	57.5	16.14	59.1	16.44
		116.0	42.0	9.91	45.4	11.55	49.5	13.48	53.8	15.17	55.4	15.52	57.5	15.89	59.1	16.18
		232.0	42.0	9.10	45.4	10.81	49.5	12.58	53.8	14.18	55.4	14.51	57.5	14.87	59.1	15.15
		290.0	42.0	8.85	45.4	10.57	49.5	12.33	53.8	13.89	55.4	14.23	57.5	14.61	59.1	14.77
		348.0	42.0	8.73	45.4	10.45	49.5	12.21	53.8	13.74	55.4	14.09	57.5	14.48	59.1	14.58
70	10	92.8	36.7	2.19	39.7	2.57	43.3	2.99	47.0	3.36	48.4	3.43	50.4	3.51	51.8	3.59
		116.0	36.7	2.15	39.7	2.53	43.3	2.94	47.0	3.31	48.4	3.37	50.4	3.46	51.8	3.53
		232.0	36.7	1.98	39.7	2.37	43.3	2.72	47.0	3.08	48.4	3.16	50.4	3.25	51.8	3.31
		290.0	36.7	1.92	39.7	2.30	43.3	2.68	47.0	3.04	48.4	3.11	50.4	3.18	51.8	3.22
		348.0	36.7	1.89	39.7	2.26	43.3	2.66	47.0	3.02	48.4	3.08	50.4	3.14	51.8	3.18
	15	92.8	36.7	2.98	39.7	3.48	43.3	4.05	47.0	4.55	48.4	4.65	50.4	4.77	51.8	4.86
		116.0	36.7	2.92	39.7	3.42	43.3	3.98	47.0	4.48	48.4	4.58	50.4	4.70	51.8	4.79
		232.0	36.7	2.69	39.7	3.20	43.3	3.71	47.0	4.18	48.4	4.29	50.4	4.40	51.8	4.48
		290.0	36.7	2.61	39.7	3.13	43.3	3.64	47.0	4.11	48.4	4.21	50.4	4.32	51.8	4.36
		348.0	36.7	2.58	39.7	3.09	43.3	3.60	47.0	4.07	48.4	4.18	50.4	4.27	51.8	4.30
	20	92.8	36.7	3.69	39.7	4.28	43.3	4.98	47.0	5.61	48.4	5.75	50.4	5.89	51.8	6.00
		116.0	36.7	3.61	39.7	4.21	43.3	4.90	47.0	5.52	48.4	5.65	50.4	5.80	51.8	5.90
		232.0	36.7	3.32	39.7	3.93	43.3	4.60	47.0	5.17	48.4	5.29	50.4	5.43	51.8	5.52
		290.0	36.7	3.23	39.7	3.86	43.3	4.49	47.0	5.07	48.4	5.20	50.4	5.33	51.8	5.37
		348.0	36.7	3.19	39.7	3.82	43.3	4.44	47.0	5.01	48.4	5.15	50.4	5.28	51.8	5.30
	25	92.8	36.7	4.49	39.7	5.22	43.3	6.09	47.0	6.85	48.4	7.02	50.4	7.19	51.8	7.31
		116.0	36.7	4.40	39.7	5.14	43.3	5.99	47.0	6.74	48.4	6.90	50.4	7.08	51.8	7.19
		232.0	36.7	4.05	39.7	4.80	43.3	5.59	47.0	6.30	48.4	6.45	50.4	6.62	51.8	6.74
		290.0	36.7	3.93	39.7	4.70	43.3	5.48	47.0	6.18	48.4	6.33	50.4	6.49	51.8	6.56
		348.0	36.7	3.88	39.7	4.65	43.3	5.42	47.0	6.12	48.4	6.27	50.4	6.42	51.8	6.48

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	92.8	36.7	5.53	39.7	6.42	43.3	7.47	47.0	8.43	48.4	8.62	50.4	8.83	51.8	9.00
		116.0	36.7	5.42	39.7	6.31	43.3	7.36	47.0	8.30	48.4	8.49	50.4	8.69	51.8	8.85
		232.0	36.7	4.98	39.7	5.90	43.3	6.89	47.0	7.75	48.4	7.94	50.4	8.13	51.8	8.28
		290.0	36.7	4.85	39.7	5.78	43.3	6.74	47.0	7.61	48.4	7.78	50.4	7.99	51.8	8.08
		348.0	36.7	4.78	39.7	5.73	43.3	6.67	47.0	7.53	48.4	7.70	50.4	7.91	51.8	7.97
	35	92.8	36.7	6.14	39.7	7.13	43.3	8.31	47.0	9.35	48.4	9.58	50.4	9.82	51.8	10.00
		116.0	36.7	6.02	39.7	7.02	43.3	8.18	47.0	9.21	48.4	9.43	50.4	9.66	51.8	9.84
		232.0	36.7	5.54	39.7	6.56	43.3	7.65	47.0	8.62	48.4	8.82	50.4	9.04	51.8	9.21
		290.0	36.7	5.39	39.7	6.43	43.3	7.49	47.0	8.44	48.4	8.65	50.4	8.87	51.8	8.97
		348.0	36.7	5.32	39.7	6.36	43.3	7.41	47.0	8.35	48.4	8.56	50.4	8.78	51.8	8.85
	40	92.8	36.7	7.28	39.7	8.44	43.3	9.85	47.0	11.09	48.4	11.36	50.4	11.62	51.8	11.83
		116.0	36.7	7.14	39.7	8.31	43.3	9.69	47.0	10.91	48.4	11.17	50.4	11.44	51.8	11.64
		232.0	36.7	6.56	39.7	7.78	43.3	9.06	47.0	10.20	48.4	10.44	50.4	10.70	51.8	10.91
		290.0	36.7	6.37	39.7	7.61	43.3	8.87	47.0	10.00	48.4	10.25	50.4	10.51	51.8	10.61
		348.0	36.7	6.28	39.7	7.52	43.3	8.77	47.0	9.90	48.4	10.15	50.4	10.42	51.8	10.47
	45	92.8	36.7	8.42	39.7	9.75	43.3	11.39	47.0	12.82	48.4	13.14	50.4	13.43	51.8	13.66
		116.0	36.7	8.25	39.7	9.60	43.3	11.20	47.0	12.61	48.4	12.92	50.4	13.21	51.8	13.45
		232.0	36.7	7.59	39.7	9.00	43.3	10.47	47.0	11.79	48.4	12.05	50.4	12.36	51.8	12.61
		290.0	36.7	7.36	39.7	8.78	43.3	10.25	47.0	11.55	48.4	11.85	50.4	12.16	51.8	12.26
		348.0	36.7	7.24	39.7	8.67	43.3	10.14	47.0	11.44	48.4	11.75	50.4	12.05	51.8	12.08
60	10	92.8	31.5	1.76	34.1	2.02	37.1	2.38	40.3	2.67	41.5	2.74	43.1	2.80	44.3	2.88
		116.0	31.5	1.72	34.1	1.99	37.1	2.35	40.3	2.63	41.5	2.70	43.1	2.75	44.3	2.83
		232.0	31.5	1.58	34.1	1.86	37.1	2.19	40.3	2.44	41.5	2.53	43.1	2.58	44.3	2.63
		290.0	31.5	1.54	34.1	1.85	37.1	2.15	40.3	2.42	41.5	2.49	43.1	2.53	44.3	2.57
		348.0	31.5	1.52	34.1	1.85	37.1	2.13	40.3	2.40	41.5	2.47	43.1	2.50	44.3	2.54
	15	92.8	31.5	2.38	34.1	2.76	37.1	3.22	40.3	3.63	41.5	3.72	43.1	3.80	44.3	3.88
		116.0	31.5	2.33	34.1	2.72	37.1	3.17	40.3	3.57	41.5	3.66	43.1	3.74	44.3	3.82
		232.0	31.5	2.14	34.1	2.54	37.1	2.97	40.3	3.33	41.5	3.42	43.1	3.51	44.3	3.57
		290.0	31.5	2.08	34.1	2.50	37.1	2.91	40.3	3.27	41.5	3.36	43.1	3.44	44.3	3.48
		348.0	31.5	2.06	34.1	2.47	37.1	2.88	40.3	3.24	41.5	3.33	43.1	3.40	44.3	3.44
	20	92.8	31.5	2.94	34.1	3.42	37.1	3.97	40.3	4.48	41.5	4.58	43.1	4.70	44.3	4.77
		116.0	31.5	2.88	34.1	3.36	37.1	3.91	40.3	4.40	41.5	4.51	43.1	4.62	44.3	4.70
		232.0	31.5	2.64	34.1	3.14	37.1	3.66	40.3	4.13	41.5	4.21	43.1	4.33	44.3	4.40
		290.0	31.5	2.57	34.1	3.07	37.1	3.58	40.3	4.04	41.5	4.14	43.1	4.24	44.3	4.29
		348.0	31.5	2.53	34.1	3.03	37.1	3.55	40.3	3.99	41.5	4.10	43.1	4.20	44.3	4.23
	25	92.8	31.5	3.58	34.1	4.16	37.1	4.85	40.3	5.46	41.5	5.60	43.1	5.73	44.3	5.83
		116.0	31.5	3.51	34.1	4.10	37.1	4.77	40.3	5.37	41.5	5.51	43.1	5.64	44.3	5.74
		232.0	31.5	3.23	34.1	3.83	37.1	4.46	40.3	5.02	41.5	5.14	43.1	5.27	44.3	5.37
		290.0	31.5	3.14	34.1	3.74	37.1	4.38	40.3	4.92	41.5	5.05	43.1	5.18	44.3	5.23
		348.0	31.5	3.10	34.1	3.70	37.1	4.33	40.3	4.87	41.5	5.01	43.1	5.14	44.3	5.15
	30	92.8	31.5	4.40	34.1	5.12	37.1	5.97	40.3	6.71	41.5	6.88	43.1	7.04	44.3	7.18
		116.0	31.5	4.32	34.1	5.04	37.1	5.87	40.3	6.61	41.5	6.77	43.1	6.93	44.3	7.06
		232.0	31.5	3.98	34.1	4.71	37.1	5.49	40.3	6.18	41.5	6.33	43.1	6.49	44.3	6.61
		290.0	31.5	3.86	34.1	4.61	37.1	5.37	40.3	6.06	41.5	6.21	43.1	6.37	44.3	6.43
		348.0	31.5	3.80	34.1	4.56	37.1	5.32	40.3	6.01	41.5	6.15	43.1	6.31	44.3	6.34
	35	92.8	31.5	4.90	34.1	5.69	37.1	6.63	40.3	7.46	41.5	7.64	43.1	7.83	44.3	7.97
		116.0	31.5	4.80	34.1	5.59	37.1	6.52	40.3	7.34	41.5	7.52	43.1	7.71	44.3	7.84
		232.0	31.5	4.42	34.1	5.23	37.1	6.09	40.3	6.87	41.5	7.03	43.1	7.21	44.3	7.34
		290.0	31.5	4.29	34.1	5.12	37.1	5.98	40.3	6.72	41.5	6.90	43.1	7.08	44.3	7.15
		348.0	31.5	4.22	34.1	5.07	37.1	5.92	40.3	6.65	41.5	6.83	43.1	7.01	44.3	7.06
	40	92.8	31.5	5.80	34.1	6.75	37.1	7.85	40.3	8.83	41.5	9.04	43.1	9.27	44.3	9.45
		116.0	31.5	5.68	34.1	6.64	37.1	7.72	40.3	8.69	41.5	8.90	43.1	9.12	44.3	9.29
		232.0	31.5	5.23	34.1	6.20	37.1	7.22	40.3	8.13	41.5	8.32	43.1	8.53	44.3	8.69
		290.0	31.5	5.08	34.1	6.06	37.1	7.08	40.3	7.97	41.5	8.16	43.1	8.38	44.3	8.46
		348.0	31.5	5.01	34.1	6.00	37.1	7.00	40.3	7.89	41.5	8.08	43.1	8.31	44.3	8.34
	45	92.8	31.5	6.70	34.1	7.81	37.1	9.07	40.3	10.21	41.5	10.44	43.1	10.70	44.3	10.93
		116.0	31.5	6.56	34.1	7.68	37.1	8.93	40.3	10.04	41.5	10.28	43.1	10.53	44.3	10.75
		232.0	31.5	6.03	34.1	7.16	37.1	8.35	40.3	9.40	41.5	9.62	43.1	9.85	44.3	10.04
		290.0	31.5	5.87	34.1	7.00	37.1	8.18	40.3	9.22	41.5	9.43	43.1	9.69	44.3	9.76
		348.0	31.5	5.79	34.1	6.92	37.1	8.09	40.3	9.13	41.5	9.33	43.1	9.61	44.3	9.62
50	10	92.8	26.2	1.33	28.4	1.50	30.9	1.76	33.6	1.97	34.6	2.05	35.9	2.08	37.0	2.14
		116.0	26.2	1.30	28.4	1.48	30.9	1.74	33.6	1.95	34.6	2.02	35.9	2.05	37.0	2.11
		232.0	26.2	1.19	28.4	1.40	30.9	1.64	33.6	1.85	34.6	1.89	35.9	1.92	37.0	1.95
		290.0	26.2	1.14	28.4	1.39	30.9	1.61	33.6	1.79	34.6	1.84	35.9	1.89	37.0	1.92
		348.0	26.2	1.12	28.4	1.38	30.9	1.60	33.6	1.76	34.6	1.81	35.9	1.88	37.0	1.91

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	92.8	26.2	1.78	28.4	2.06	30.9	2.40	33.6	2.70	34.6	2.78	35.9	2.83	37.0	2.90
		116.0	26.2	1.75	28.4	2.03	30.9	2.36	33.6	2.66	34.6	2.73	35.9	2.79	37.0	2.85
		232.0	26.2	1.60	28.4	1.89	30.9	2.22	33.6	2.50	34.6	2.55	35.9	2.61	37.0	2.66
		290.0	26.2	1.56	28.4	1.86	30.9	2.17	33.6	2.44	34.6	2.50	35.9	2.57	37.0	2.60
		348.0	26.2	1.53	28.4	1.85	30.9	2.15	33.6	2.41	34.6	2.47	35.9	2.55	37.0	2.57
	20	92.8	26.2	2.19	28.4	2.56	30.9	2.97	33.6	3.34	34.6	3.42	35.9	3.51	37.0	3.56
		116.0	26.2	2.14	28.4	2.51	30.9	2.92	33.6	3.29	34.6	3.36	35.9	3.45	37.0	3.51
		232.0	26.2	1.97	28.4	2.33	30.9	2.73	33.6	3.07	34.6	3.14	35.9	3.23	37.0	3.29
		290.0	26.2	1.92	28.4	2.29	30.9	2.67	33.6	3.01	34.6	3.08	35.9	3.17	37.0	3.20
		348.0	26.2	1.90	28.4	2.27	30.9	2.64	33.6	2.98	34.6	3.05	35.9	3.14	37.0	3.16
	25	92.8	26.2	2.67	28.4	3.11	30.9	3.61	33.6	4.07	34.6	4.16	35.9	4.27	37.0	4.34
		116.0	26.2	2.61	28.4	3.05	30.9	3.55	33.6	4.01	34.6	4.10	35.9	4.20	37.0	4.27
		232.0	26.2	2.41	28.4	2.85	30.9	3.33	33.6	3.74	34.6	3.83	35.9	3.93	37.0	4.01
		290.0	26.2	2.33	28.4	2.79	30.9	3.26	33.6	3.67	34.6	3.76	35.9	3.86	37.0	3.91
		348.0	26.2	2.30	28.4	2.76	30.9	3.22	33.6	3.63	34.6	3.72	35.9	3.82	37.0	3.85
	30	92.8	26.2	3.28	28.4	3.82	30.9	4.45	33.6	5.01	34.6	5.14	35.9	5.25	37.0	5.34
		116.0	26.2	3.22	28.4	3.76	30.9	4.38	33.6	4.93	34.6	5.05	35.9	5.17	37.0	5.26
		232.0	26.2	2.97	28.4	3.51	30.9	4.10	33.6	4.61	34.6	4.71	35.9	4.85	37.0	4.92
		290.0	26.2	2.88	28.4	3.44	30.9	4.01	33.6	4.52	34.6	4.62	35.9	4.74	37.0	4.80
		348.0	26.2	2.83	28.4	3.40	30.9	3.96	33.6	4.48	34.6	4.58	35.9	4.69	37.0	4.74
	35	92.8	26.2	3.66	28.4	4.24	30.9	4.94	33.6	5.57	34.6	5.70	35.9	5.83	37.0	5.94
		116.0	26.2	3.58	28.4	4.17	30.9	4.86	33.6	5.48	34.6	5.61	35.9	5.74	37.0	5.84
		232.0	26.2	3.29	28.4	3.91	30.9	4.55	33.6	5.12	34.6	5.24	35.9	5.37	37.0	5.48
		290.0	26.2	3.20	28.4	3.82	30.9	4.45	33.6	5.02	34.6	5.14	35.9	5.27	37.0	5.33
		348.0	26.2	3.16	28.4	3.77	30.9	4.40	33.6	4.97	34.6	5.09	35.9	5.22	37.0	5.26
	40	92.8	26.2	4.33	28.4	5.03	30.9	5.85	33.6	6.60	34.6	6.74	35.9	6.91	37.0	7.04
		116.0	26.2	4.24	28.4	4.95	30.9	5.76	33.6	6.49	34.6	6.64	35.9	6.80	37.0	6.93
		232.0	26.2	3.89	28.4	4.62	30.9	5.39	33.6	6.06	34.6	6.21	35.9	6.37	37.0	6.47
		290.0	26.2	3.79	28.4	4.52	30.9	5.27	33.6	5.95	34.6	6.09	35.9	6.24	37.0	6.31
		348.0	26.2	3.74	28.4	4.47	30.9	5.21	33.6	5.89	34.6	6.03	35.9	6.17	37.0	6.23
	45	92.8	26.2	5.01	28.4	5.82	30.9	6.76	33.6	7.63	34.6	7.79	35.9	7.98	37.0	8.15
		116.0	26.2	4.90	28.4	5.73	30.9	6.65	33.6	7.50	34.6	7.66	35.9	7.85	37.0	8.02
		232.0	26.2	4.49	28.4	5.34	30.9	6.23	33.6	7.00	34.6	7.18	35.9	7.37	37.0	7.47
		290.0	26.2	4.38	28.4	5.23	30.9	6.09	33.6	6.87	34.6	7.05	35.9	7.21	37.0	7.30
		348.0	26.2	4.32	28.4	5.17	30.9	6.03	33.6	6.81	34.6	6.98	35.9	7.13	37.0	7.21

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(26HP)

ARWN260LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	100.4	67.7	4.82	73.3	5.60	79.8	6.55	86.7	7.36	89.3	7.53	92.8	7.72	95.4	7.87
		125.5	67.7	4.73	73.3	5.51	79.8	6.44	86.7	7.24	89.3	7.41	92.8	7.60	95.4	7.74
		251.0	67.7	4.37	73.3	5.17	79.8	6.01	86.7	6.77	89.3	6.94	92.8	7.13	95.4	7.25
		313.8	67.7	4.22	73.3	5.04	79.8	5.89	86.7	6.63	89.3	6.80	92.8	6.97	95.4	7.10
		376.5	67.7	4.15	73.3	4.98	79.8	5.83	86.7	6.56	89.3	6.73	92.8	6.89	95.4	7.02
	15	100.4	66.6	6.33	72.1	7.37	78.5	8.59	85.3	9.66	87.9	9.89	91.3	10.13	93.9	10.31
		125.5	66.6	6.21	72.1	7.25	78.5	8.45	85.3	9.51	87.9	9.73	91.3	9.98	93.9	10.16
		251.0	66.6	5.72	72.1	6.78	78.5	7.90	85.3	8.89	87.9	9.12	91.3	9.36	93.9	9.54
		313.8	66.6	5.56	72.1	6.63	78.5	7.74	85.3	8.71	87.9	8.94	91.3	9.17	93.9	9.33
		376.5	66.6	5.48	72.1	6.56	78.5	7.65	85.3	8.62	87.9	8.85	91.3	9.07	93.9	9.22
	20	100.4	65.6	7.68	71.0	8.94	77.4	10.41	84.1	11.71	86.7	11.99	90.0	12.28	92.5	12.49
		125.5	65.6	7.52	71.0	8.79	77.4	10.24	84.1	11.52	86.7	11.80	90.0	12.09	92.5	12.30
		251.0	65.6	6.92	71.0	8.21	77.4	9.57	84.1	10.77	86.7	11.05	90.0	11.34	92.5	11.57
		313.8	65.6	6.74	71.0	8.04	77.4	9.38	84.1	10.56	86.7	10.84	90.0	11.12	92.5	11.31
		376.5	65.6	6.65	71.0	7.96	77.4	9.28	84.1	10.46	86.7	10.73	90.0	11.00	92.5	11.18
	25	100.4	65.6	9.48	71.0	11.02	77.4	12.84	84.1	14.45	86.7	14.78	90.0	15.16	92.5	15.41
		125.5	65.6	9.30	71.0	10.84	77.4	12.63	84.1	14.22	86.7	14.54	90.0	14.92	92.5	15.18
		251.0	65.6	8.55	71.0	10.12	77.4	11.80	84.1	13.29	86.7	13.62	90.0	13.98	92.5	14.27
		313.8	65.6	8.30	71.0	9.91	77.4	11.55	84.1	13.03	86.7	13.37	90.0	13.72	92.5	13.94
		376.5	65.6	8.18	71.0	9.81	77.4	11.43	84.1	12.90	86.7	13.25	90.0	13.59	92.5	13.78
	30	100.4	65.6	11.37	71.0	13.21	77.4	15.40	84.1	17.35	86.7	17.75	90.0	18.17	92.5	18.50
		125.5	65.6	11.15	71.0	13.00	77.4	15.15	84.1	17.06	86.7	17.47	90.0	17.89	92.5	18.22
		251.0	65.6	10.25	71.0	12.16	77.4	14.15	84.1	15.94	86.7	16.35	90.0	16.77	92.5	17.11
		313.8	65.6	9.96	71.0	11.90	77.4	13.88	84.1	15.63	86.7	16.04	90.0	16.45	92.5	16.72
		376.5	65.6	9.82	71.0	11.77	77.4	13.74	84.1	15.48	86.7	15.89	90.0	16.28	92.5	16.53
	35	100.4	59.0	11.51	64.0	13.36	69.6	15.58	75.7	17.52	78.0	17.95	81.0	18.37	83.3	18.69
		125.5	59.0	11.28	64.0	13.15	69.6	15.32	75.7	17.24	78.0	17.66	81.0	18.09	83.3	18.41
		251.0	59.0	10.37	64.0	12.30	69.6	14.32	75.7	16.12	78.0	16.53	81.0	16.97	83.3	17.31
		313.8	59.0	10.08	64.0	12.03	69.6	14.02	75.7	15.81	78.0	16.22	81.0	16.64	83.3	16.92
		376.5	59.0	9.93	64.0	11.89	69.6	13.88	75.7	15.66	78.0	16.06	81.0	16.48	83.3	16.72
	40	100.4	52.5	12.14	56.8	14.09	61.9	16.42	67.3	18.50	69.3	18.92	72.0	19.38	74.0	19.73
		125.5	52.5	11.90	56.8	13.86	61.9	16.15	67.3	18.20	69.3	18.62	72.0	19.08	74.0	19.44
		251.0	52.5	10.94	56.8	12.97	61.9	15.11	67.3	17.01	69.3	17.44	72.0	17.89	74.0	18.25
		313.8	52.5	10.63	56.8	12.69	61.9	14.79	67.3	16.67	69.3	17.11	72.0	17.55	74.0	17.84
		376.5	52.5	10.47	56.8	12.55	61.9	14.63	67.3	16.50	69.3	16.95	72.0	17.38	74.0	17.64
	45	100.4	45.9	12.77	49.7	14.81	54.1	17.25	58.9	19.47	60.7	19.89	63.0	20.38	64.8	20.78
		125.5	45.9	12.51	49.7	14.58	54.1	16.98	58.9	19.16	60.7	19.58	63.0	20.07	64.8	20.46
		251.0	45.9	11.51	49.7	13.63	54.1	15.91	58.9	17.91	60.7	18.35	63.0	18.82	64.8	19.19
		313.8	45.9	11.18	49.7	13.36	54.1	15.55	58.9	17.53	60.7	18.01	63.0	18.46	64.8	18.77
		376.5	45.9	11.02	49.7	13.22	54.1	15.37	58.9	17.35	60.7	17.84	63.0	18.28	64.8	18.56
120	10	100.4	64.0	4.58	69.3	5.33	75.5	6.18	82.1	6.99	84.6	7.14	87.9	7.31	90.3	7.46
		125.5	64.0	4.49	69.3	5.24	75.5	6.08	82.1	6.87	84.6	7.03	87.9	7.20	90.3	7.34
		251.0	64.0	4.11	69.3	4.89	75.5	5.71	82.1	6.40	84.6	6.57	87.9	6.74	90.3	6.89
		313.8	64.0	4.00	69.3	4.77	75.5	5.57	82.1	6.29	84.6	6.45	87.9	6.64	90.3	6.73
		376.5	64.0	3.94	69.3	4.70	75.5	5.49	82.1	6.24	84.6	6.38	87.9	6.58	90.3	6.65
	15	100.4	63.3	6.07	68.6	7.05	74.7	8.21	81.1	9.25	83.6	9.46	86.9	9.69	89.3	9.87
		125.5	63.3	5.95	68.6	6.94	74.7	8.08	81.1	9.10	83.6	9.31	86.9	9.54	89.3	9.72
		251.0	63.3	5.46	68.6	6.48	74.7	7.56	81.1	8.50	83.6	8.71	86.9	8.94	89.3	9.12
		313.8	63.3	5.31	68.6	6.34	74.7	7.39	81.1	8.34	83.6	8.55	86.9	8.78	89.3	8.91
		376.5	63.3	5.24	68.6	6.26	74.7	7.31	81.1	8.26	83.6	8.47	86.9	8.69	89.3	8.80
	20	100.4	62.6	7.40	67.8	8.59	73.9	10.01	80.3	11.26	82.8	11.53	85.9	11.80	88.4	12.01
		125.5	62.6	7.25	67.8	8.45	73.9	9.85	80.3	11.08	82.8	11.34	85.9	11.62	88.4	11.83
		251.0	62.6	6.66	67.8	7.90	73.9	9.20	80.3	10.37	82.8	10.61	85.9	10.89	88.4	11.10
		313.8	62.6	6.48	67.8	7.74	73.9	9.02	80.3	10.16	82.8	10.42	85.9	10.68	88.4	10.84
		376.5	62.6	6.39	67.8	7.65	73.9	8.93	80.3	10.05	82.8	10.32	85.9	10.57	88.4	10.71
	25	100.4	62.6	9.09	67.8	10.56	73.9	12.29	80.3	13.84	82.8	14.17	85.9	14.51	88.4	14.77
		125.5	62.6	8.91	67.8	10.38	73.9	12.09	80.3	13.62	82.8	13.94	85.9	14.28	88.4	14.54
		251.0	62.6	8.19	67.8	9.70	73.9	11.31	80.3	12.74	82.8	13.05	85.9	13.39	88.4	13.65
		313.8	62.6	7.96	67.8	9.51	73.9	11.08	80.3	12.48	82.8	12.81	85.9	13.13	88.4	13.33
		376.5	62.6	7.85	67.8	9.41	73.9	10.97	80.3	12.35	82.8	12.68	85.9	13.00	88.4	13.16
	30	100.4	62.6	10.98	67.8	12.77	73.9	14.87	80.3	16.73	82.8	17.14	85.9	17.55	88.4	17.85
		125.5	62.6	10.76	67.8	12.56	73.9	14.63	80.3	16.46	82.8	16.87	85.9	17.27	88.4	17.58
		251.0	62.6	9.90	67.8	11.73	73.9	13.67	80.3	15.41	82.8	15.78	85.9	16.19	88.4	16.51
		313.8	62.6	9.62	67.8	11.49	73.9	13.39	80.3	15.10	82.8	15.49	85.9	15.88	88.4	16.12
		376.5	62.6	9.48	67.8	11.37	73.9	13.25	80.3	14.94	82.8	15.34	85.9	15.72	88.4	15.93

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	100.4	57.3	11.26	62.1	13.08	67.6	15.23	73.5	17.16	75.7	17.57	78.7	18.00	80.9	18.30
		125.5	57.3	11.03	62.1	12.87	67.6	14.98	73.5	16.88	75.7	17.29	78.7	17.71	80.9	18.02
		251.0	57.3	10.14	62.1	12.03	67.6	14.01	73.5	15.78	75.7	16.17	78.7	16.59	80.9	16.92
		313.8	57.3	9.86	62.1	11.78	67.6	13.73	73.5	15.47	75.7	15.88	78.7	16.27	80.9	16.51
		376.5	57.3	9.73	62.1	11.66	67.6	13.59	73.5	15.32	75.7	15.73	78.7	16.10	80.9	16.31
	40	100.4	52.0	12.12	56.3	14.07	61.4	16.40	66.7	18.47	68.7	18.91	71.4	19.36	73.4	19.71
		125.5	52.0	11.88	56.3	13.85	61.4	16.14	66.7	18.17	68.7	18.61	71.4	19.06	73.4	19.40
		251.0	52.0	10.92	56.3	12.95	61.4	15.08	66.7	16.98	68.7	17.40	71.4	17.86	73.4	18.20
		313.8	52.0	10.61	56.3	12.68	61.4	14.77	66.7	16.66	68.7	17.08	71.4	17.52	73.4	17.78
		376.5	52.0	10.46	56.3	12.54	61.4	14.62	66.7	16.49	68.7	16.92	71.4	17.35	73.4	17.57
	45	100.4	46.7	12.98	50.6	15.06	55.1	17.58	59.9	19.77	61.7	20.25	64.1	20.73	65.8	21.11
		125.5	46.7	12.72	50.6	14.82	55.1	17.29	59.9	19.45	61.7	19.92	64.1	20.41	65.8	20.78
		251.0	46.7	11.70	50.6	13.88	55.1	16.15	59.9	18.18	61.7	18.64	64.1	19.13	65.8	19.48
		313.8	46.7	11.36	50.6	13.57	55.1	15.81	59.9	17.84	61.7	18.28	64.1	18.77	65.8	19.05
		376.5	46.7	11.19	50.6	13.42	55.1	15.64	59.9	17.67	61.7	18.10	64.1	18.59	65.8	18.83
110	10	100.4	60.5	4.31	65.4	5.01	71.3	5.84	77.5	6.57	79.7	6.75	82.8	6.88	85.2	7.05
		125.5	60.5	4.23	65.4	4.93	71.3	5.75	77.5	6.47	79.7	6.64	82.8	6.78	85.2	6.94
		251.0	60.5	3.88	65.4	4.62	71.3	5.39	77.5	6.04	79.7	6.22	82.8	6.37	85.2	6.50
		313.8	60.5	3.77	65.4	4.53	71.3	5.26	77.5	5.95	79.7	6.09	82.8	6.25	85.2	6.31
		376.5	60.5	3.72	65.4	4.48	71.3	5.20	77.5	5.91	79.7	6.03	82.8	6.19	85.2	6.21
	15	100.4	60.1	5.79	65.0	6.72	70.8	7.83	77.0	8.82	79.3	9.03	82.4	9.24	84.7	9.43
		125.5	60.1	5.67	65.0	6.61	70.8	7.70	77.0	8.68	79.3	8.89	82.4	9.10	84.7	9.28
		251.0	60.1	5.22	65.0	6.19	70.8	7.22	77.0	8.11	79.3	8.32	82.4	8.53	84.7	8.69
		313.8	60.1	5.07	65.0	6.06	70.8	7.05	77.0	7.96	79.3	8.16	82.4	8.37	84.7	8.47
		376.5	60.1	5.00	65.0	6.00	70.8	6.97	77.0	7.89	79.3	8.08	82.4	8.29	84.7	8.35
	20	100.4	59.7	7.09	64.7	8.24	70.4	9.59	76.6	10.82	78.9	11.06	82.0	11.34	84.2	11.54
		125.5	59.7	6.96	64.7	8.11	70.4	9.44	76.6	10.64	78.9	10.89	82.0	11.16	84.2	11.36
		251.0	59.7	6.40	64.7	7.59	70.4	8.84	76.6	9.95	78.9	10.19	82.0	10.45	84.2	10.64
		313.8	59.7	6.22	64.7	7.43	70.4	8.65	76.6	9.75	78.9	9.99	82.0	10.25	84.2	10.38
		376.5	59.7	6.13	64.7	7.35	70.4	8.55	76.6	9.65	78.9	9.90	82.0	10.16	84.2	10.25
	25	100.4	59.7	8.69	64.7	10.09	70.4	11.76	76.6	13.25	78.9	13.56	82.0	13.88	84.2	14.13
		125.5	59.7	8.52	64.7	9.93	70.4	11.57	76.6	13.03	78.9	13.34	82.0	13.67	84.2	13.91
		251.0	59.7	7.83	64.7	9.28	70.4	10.82	76.6	12.19	78.9	12.48	82.0	12.81	84.2	13.03
		313.8	59.7	7.62	64.7	9.08	70.4	10.60	76.6	11.94	78.9	12.24	82.0	12.56	84.2	12.71
		376.5	59.7	7.52	64.7	8.99	70.4	10.48	76.6	11.82	78.9	12.11	82.0	12.44	84.2	12.55
	30	100.4	59.7	10.60	64.7	12.30	70.4	14.34	76.6	16.13	78.9	16.53	82.0	16.92	84.2	17.24
		125.5	59.7	10.38	64.7	12.11	70.4	14.11	76.6	15.88	78.9	16.27	82.0	16.66	84.2	16.97
		251.0	59.7	9.54	64.7	11.33	70.4	13.18	76.6	14.85	78.9	15.21	82.0	15.60	84.2	15.89
		313.8	59.7	9.28	64.7	11.08	70.4	12.92	76.6	14.56	78.9	14.92	82.0	15.31	84.2	15.50
		376.5	59.7	9.15	64.7	10.96	70.4	12.79	76.6	14.41	78.9	14.77	82.0	15.16	84.2	15.31
	35	100.4	55.7	11.01	60.3	12.80	65.6	14.90	71.3	16.78	73.5	17.18	76.3	17.60	78.5	17.91
		125.5	55.7	10.79	60.3	12.59	65.6	14.66	71.3	16.51	73.5	16.90	76.3	17.32	78.5	17.63
		251.0	55.7	9.93	60.3	11.77	65.6	13.72	71.3	15.44	73.5	15.81	76.3	16.22	78.5	16.53
		313.8	55.7	9.65	60.3	11.52	65.6	13.42	71.3	15.13	73.5	15.52	76.3	15.91	78.5	16.12
		376.5	55.7	9.52	60.3	11.40	65.6	13.28	71.3	14.98	73.5	15.37	76.3	15.76	78.5	15.92
	40	100.4	51.6	12.10	55.9	14.05	60.8	16.37	66.1	18.43	68.1	18.88	70.7	19.33	72.7	19.68
		125.5	51.6	11.86	55.9	13.83	60.8	16.10	66.1	18.14	68.1	18.57	70.7	19.03	72.7	19.37
		251.0	51.6	10.90	55.9	12.94	60.8	15.06	66.1	16.97	68.1	17.37	70.7	17.83	72.7	18.15
		313.8	51.6	10.60	55.9	12.66	60.8	14.76	66.1	16.62	68.1	17.05	70.7	17.49	72.7	17.70
		376.5	51.6	10.44	55.9	12.52	60.8	14.60	66.1	16.45	68.1	16.88	70.7	17.32	72.7	17.47
	45	100.4	47.5	13.20	51.5	15.31	56.0	17.84	60.9	20.08	62.7	20.58	65.1	21.06	66.9	21.45
		125.5	47.5	12.94	51.5	15.06	56.0	17.55	60.9	19.76	62.7	20.25	65.1	20.74	66.9	21.11
		251.0	47.5	11.88	51.5	14.11	56.0	16.41	60.9	18.49	62.7	18.93	65.1	19.44	66.9	19.78
		313.8	47.5	11.54	51.5	13.80	56.0	16.09	60.9	18.12	62.7	18.57	65.1	19.06	66.9	19.27
		376.5	47.5	11.37	51.5	13.64	56.0	15.93	60.9	17.93	62.7	18.40	65.1	18.88	66.9	19.02
100	10	100.4	56.8	4.09	61.5	4.73	67.0	5.52	72.8	6.22	75.0	6.36	77.9	6.52	80.1	6.61
		125.5	56.8	4.00	61.5	4.66	67.0	5.43	72.8	6.11	75.0	6.25	77.9	6.41	80.1	6.50
		251.0	56.8	3.67	61.5	4.36	67.0	5.05	72.8	5.71	75.0	5.83	77.9	5.97	80.1	6.08
		313.8	56.8	3.55	61.5	4.25	67.0	4.97	72.8	5.58	75.0	5.74	77.9	5.86	80.1	5.92
		376.5	56.8	3.48	61.5	4.20	67.0	4.94	72.8	5.52	75.0	5.69	77.9	5.81	80.1	5.85
	15	100.4	56.8	5.52	61.5	6.41	67.0	7.47	72.8	8.41	75.0	8.61	77.9	8.82	80.1	8.97
		125.5	56.8	5.41	61.5	6.31	67.0	7.35	72.8	8.27	75.0	8.47	77.9	8.68	80.1	8.82
		251.0	56.8	4.97	61.5	5.90	67.0	6.86	72.8	7.74	75.0	7.91	77.9	8.11	80.1	8.26
		313.8	56.8	4.83	61.5	5.77	67.0	6.73	72.8	7.57	75.0	7.77	77.9	7.96	80.1	8.04
		376.5	56.8	4.75	61.5	5.70	67.0	6.66	72.8	7.49	75.0	7.69	77.9	7.89	80.1	7.94

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	100.4	56.8	6.80	61.5	7.89	67.0	9.20	72.8	10.35	75.0	10.60	77.9	10.86	80.1	11.06
		125.5	56.8	6.66	61.5	7.77	67.0	9.05	72.8	10.19	75.0	10.43	77.9	10.69	80.1	10.89
		251.0	56.8	6.13	61.5	7.26	67.0	8.47	72.8	9.54	75.0	9.77	77.9	10.01	80.1	10.19
		313.8	56.8	5.96	61.5	7.12	67.0	8.29	72.8	9.34	75.0	9.57	77.9	9.83	80.1	9.93
		376.5	56.8	5.88	61.5	7.04	67.0	8.20	72.8	9.25	75.0	9.47	77.9	9.74	80.1	9.80
	25	100.4	56.8	8.29	61.5	9.63	67.0	11.23	72.8	12.64	75.0	12.93	77.9	13.26	80.1	13.49
		125.5	56.8	8.13	61.5	9.47	67.0	11.05	72.8	12.43	75.0	12.72	77.9	13.05	80.1	13.28
		251.0	56.8	7.48	61.5	8.86	67.0	10.32	72.8	11.62	75.0	11.91	77.9	12.20	80.1	12.43
		313.8	56.8	7.26	61.5	8.68	67.0	10.11	72.8	11.39	75.0	11.68	77.9	11.98	80.1	12.11
		376.5	56.8	7.16	61.5	8.59	67.0	10.00	72.8	11.28	75.0	11.57	77.9	11.86	80.1	11.94
	30	100.4	56.8	10.19	61.5	11.86	67.0	13.81	72.8	15.54	75.0	15.92	77.9	16.30	80.1	16.59
		125.5	56.8	9.99	61.5	11.67	67.0	13.59	72.8	15.29	75.0	15.67	77.9	16.04	80.1	16.33
		251.0	56.8	9.20	61.5	10.90	67.0	12.69	72.8	14.30	75.0	14.64	77.9	15.02	80.1	15.29
		313.8	56.8	8.94	61.5	10.68	67.0	12.43	72.8	14.02	75.0	14.37	77.9	14.74	80.1	14.89
		376.5	56.8	8.81	61.5	10.56	67.0	12.30	72.8	13.89	75.0	14.23	77.9	14.60	80.1	14.68
	35	100.4	53.9	10.76	58.4	12.50	63.6	14.57	69.2	16.40	71.2	16.80	74.0	17.21	76.1	17.52
		125.5	53.9	10.55	58.4	12.30	63.6	14.33	69.2	16.14	71.2	16.53	74.0	16.93	76.1	17.24
		251.0	53.9	9.70	58.4	11.51	63.6	13.41	69.2	15.10	71.2	15.45	74.0	15.84	76.1	16.14
		313.8	53.9	9.44	58.4	11.26	63.6	13.13	69.2	14.80	71.2	15.16	74.0	15.55	76.1	15.71
		376.5	53.9	9.31	58.4	11.14	63.6	12.99	69.2	14.66	71.2	15.02	74.0	15.41	76.1	15.50
	40	100.4	51.1	12.07	55.4	14.04	60.3	16.35	65.5	18.42	67.5	18.84	70.1	19.30	72.1	19.65
		125.5	51.1	11.83	55.4	13.81	60.3	16.09	65.5	18.12	67.5	18.54	70.1	19.00	72.1	19.34
		251.0	51.1	10.89	55.4	12.90	60.3	15.03	65.5	16.93	67.5	17.34	70.1	17.78	72.1	18.10
		313.8	51.1	10.58	55.4	12.63	60.3	14.72	65.5	16.61	67.5	17.01	70.1	17.45	72.1	17.63
		376.5	51.1	10.43	55.4	12.49	60.3	14.57	65.5	16.45	67.5	16.85	70.1	17.29	72.1	17.40
	45	100.4	48.3	13.38	52.3	15.58	56.9	18.14	61.9	20.44	63.8	20.89	66.2	21.40	68.1	21.78
		125.5	48.3	13.11	52.3	15.32	56.9	17.84	61.9	20.10	63.8	20.56	66.2	21.06	68.1	21.43
		251.0	48.3	12.07	52.3	14.30	56.9	16.66	61.9	18.77	63.8	19.22	66.2	19.71	68.1	20.07
		313.8	48.3	11.72	52.3	13.99	56.9	16.32	61.9	18.41	63.8	18.87	66.2	19.35	68.1	19.55
		376.5	48.3	11.54	52.3	13.84	56.9	16.15	61.9	18.23	63.8	18.69	66.2	19.18	68.1	19.29
90	10	100.4	51.1	3.49	55.4	4.07	60.3	4.73	65.5	5.34	67.5	5.45	70.1	5.57	72.1	5.70
		125.5	51.1	3.42	55.4	4.00	60.3	4.66	65.5	5.25	67.5	5.36	70.1	5.48	72.1	5.61
		251.0	51.1	3.14	55.4	3.74	60.3	4.38	65.5	4.89	67.5	5.02	70.1	5.16	72.1	5.25
		313.8	51.1	3.06	55.4	3.64	60.3	4.27	65.5	4.80	67.5	4.92	70.1	5.07	72.1	5.09
		376.5	51.1	3.02	55.4	3.59	60.3	4.21	65.5	4.75	67.5	4.88	70.1	5.02	72.1	5.02
	15	100.4	51.1	4.74	55.4	5.52	60.3	6.42	65.5	7.24	67.5	7.40	70.1	7.58	72.1	7.73
		125.5	51.1	4.65	55.4	5.43	60.3	6.32	65.5	7.12	67.5	7.28	70.1	7.46	72.1	7.61
		251.0	51.1	4.27	55.4	5.07	60.3	5.92	65.5	6.65	67.5	6.81	70.1	6.99	72.1	7.12
		313.8	51.1	4.16	55.4	4.96	60.3	5.79	65.5	6.52	67.5	6.68	70.1	6.86	72.1	6.92
		376.5	51.1	4.10	55.4	4.90	60.3	5.72	65.5	6.45	67.5	6.61	70.1	6.79	72.1	6.83
	20	100.4	51.1	5.85	55.4	6.81	60.3	7.93	65.5	8.92	67.5	9.13	70.1	9.37	72.1	9.53
		125.5	51.1	5.74	55.4	6.70	60.3	7.80	65.5	8.78	67.5	8.99	70.1	9.21	72.1	9.38
		251.0	51.1	5.28	55.4	6.26	60.3	7.28	65.5	8.21	67.5	8.40	70.1	8.61	72.1	8.78
		313.8	51.1	5.14	55.4	6.13	60.3	7.13	65.5	8.04	67.5	8.24	70.1	8.45	72.1	8.55
		376.5	51.1	5.06	55.4	6.06	60.3	7.06	65.5	7.96	67.5	8.16	70.1	8.37	72.1	8.43
	25	100.4	51.1	7.13	55.4	8.29	60.3	9.66	65.5	10.89	67.5	11.13	70.1	11.41	72.1	11.61
		125.5	51.1	6.99	55.4	8.16	60.3	9.51	65.5	10.71	67.5	10.95	70.1	11.23	72.1	11.42
		251.0	51.1	6.44	55.4	7.62	60.3	8.89	65.5	10.01	67.5	10.25	70.1	10.51	72.1	10.69
		313.8	51.1	6.26	55.4	7.46	60.3	8.71	65.5	9.82	67.5	10.06	70.1	10.32	72.1	10.42
		376.5	51.1	6.17	55.4	7.38	60.3	8.62	65.5	9.72	67.5	9.96	70.1	10.22	72.1	10.28
	30	100.4	51.1	8.77	55.4	10.21	60.3	11.87	65.5	13.38	67.5	13.69	70.1	14.04	72.1	14.28
		125.5	51.1	8.60	55.4	10.04	60.3	11.68	65.5	13.16	67.5	13.47	70.1	13.81	72.1	14.06
		251.0	51.1	7.91	55.4	9.38	60.3	10.94	65.5	12.30	67.5	12.61	70.1	12.92	72.1	13.16
		313.8	51.1	7.70	55.4	9.18	60.3	10.71	65.5	12.07	67.5	12.37	70.1	12.69	72.1	12.81
		376.5	51.1	7.60	55.4	9.08	60.3	10.60	65.5	11.96	67.5	12.24	70.1	12.58	72.1	12.63
	35	100.4	49.7	9.47	53.8	11.00	58.6	12.82	63.7	14.44	65.6	14.78	68.1	15.14	70.1	15.40
		125.5	49.7	9.28	53.8	10.82	58.6	12.61	63.7	14.20	65.6	14.54	68.1	14.90	70.1	15.16
		251.0	49.7	8.53	53.8	10.12	58.6	11.80	63.7	13.28	65.6	13.60	68.1	13.94	70.1	14.20
		313.8	49.7	8.30	53.8	9.91	58.6	11.55	63.7	13.02	65.6	13.34	68.1	13.68	70.1	13.83
		376.5	49.7	8.19	53.8	9.81	58.6	11.43	63.7	12.89	65.6	13.21	68.1	13.55	70.1	13.64
	40	100.4	48.3	10.87	52.3	12.63	56.9	14.73	61.9	16.58	63.8	16.98	66.2	17.39	68.0	17.70
		125.5	48.3	10.66	52.3	12.43	56.9	14.50	61.9	16.32	63.8	16.71	66.2	17.11	68.0	17.42
		251.0	48.3	9.82	52.3	11.64	56.9	13.55	61.9	15.26	63.8	15.62	66.2	16.02	68.0	16.32
		313.8	48.3	9.54	52.3	11.38	56.9	13.28	61.9	14.95	63.8	15.32	66.2	15.71	68.0	15.88
		376.5	48.3	9.40	52.3	11.25	56.9	13.14	61.9	14.80	63.8	15.18	66.2	15.56	68.0	15.66

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	100.4	46.9	12.28	50.8	14.27	55.3	16.65	60.1	18.73	61.9	19.18	64.3	19.63	66.0	19.99
		125.5	46.9	12.04	50.8	14.04	55.3	16.38	60.1	18.43	61.9	18.87	64.3	19.32	66.0	19.68
		251.0	46.9	11.10	50.8	13.15	55.3	15.31	60.1	17.24	61.9	17.63	64.3	18.10	66.0	18.43
		313.8	46.9	10.77	50.8	12.84	55.3	15.00	60.1	16.88	61.9	17.31	64.3	17.75	66.0	17.92
		376.5	46.9	10.61	50.8	12.68	55.3	14.85	60.1	16.71	61.9	17.14	64.3	17.57	66.0	17.67
80	10	100.4	45.4	2.93	49.2	3.42	53.6	3.97	58.2	4.46	60.0	4.58	62.3	4.69	64.1	4.76
		125.5	45.4	2.88	49.2	3.36	53.6	3.91	58.2	4.39	60.0	4.50	62.3	4.61	64.1	4.69
		251.0	45.4	2.66	49.2	3.14	53.6	3.66	58.2	4.11	60.0	4.20	62.3	4.30	64.1	4.39
		313.8	45.4	2.58	49.2	3.06	53.6	3.60	58.2	4.05	60.0	4.14	62.3	4.25	64.1	4.27
		376.5	45.4	2.54	49.2	3.02	53.6	3.57	58.2	4.02	60.0	4.11	62.3	4.23	64.1	4.20
	15	100.4	45.4	3.98	49.2	4.62	53.6	5.38	58.2	6.06	60.0	6.21	62.3	6.36	64.1	6.47
		125.5	45.4	3.90	49.2	4.55	53.6	5.30	58.2	5.96	60.0	6.11	62.3	6.26	64.1	6.37
		251.0	45.4	3.59	49.2	4.26	53.6	4.96	58.2	5.57	60.0	5.70	62.3	5.85	64.1	5.96
		313.8	45.4	3.49	49.2	4.16	53.6	4.86	58.2	5.48	60.0	5.61	62.3	5.75	64.1	5.80
		376.5	45.4	3.45	49.2	4.11	53.6	4.81	58.2	5.43	60.0	5.56	62.3	5.70	64.1	5.72
	20	100.4	45.4	4.91	49.2	5.70	53.6	6.64	58.2	7.48	60.0	7.67	62.3	7.84	64.1	7.99
		125.5	45.4	4.81	49.2	5.61	53.6	6.53	58.2	7.36	60.0	7.54	62.3	7.72	64.1	7.87
		251.0	45.4	4.42	49.2	5.25	53.6	6.11	58.2	6.87	60.0	7.04	62.3	7.23	64.1	7.36
		313.8	45.4	4.31	49.2	5.14	53.6	5.98	58.2	6.74	60.0	6.91	62.3	7.09	64.1	7.17
		376.5	45.4	4.25	49.2	5.08	53.6	5.92	58.2	6.68	60.0	6.84	62.3	7.01	64.1	7.07
	25	100.4	45.4	5.99	49.2	6.95	53.6	8.09	58.2	9.12	60.0	9.33	62.3	9.56	64.1	9.74
		125.5	45.4	5.87	49.2	6.84	53.6	7.96	58.2	8.97	60.0	9.18	62.3	9.41	64.1	9.59
		251.0	45.4	5.40	49.2	6.40	53.6	7.44	58.2	8.39	60.0	8.60	62.3	8.81	64.1	8.97
		313.8	45.4	5.25	49.2	6.26	53.6	7.30	58.2	8.22	60.0	8.43	62.3	8.65	64.1	8.73
		376.5	45.4	5.18	49.2	6.18	53.6	7.22	58.2	8.14	60.0	8.35	62.3	8.56	64.1	8.60
	30	100.4	45.4	7.36	49.2	8.56	53.6	9.96	58.2	11.21	60.0	11.48	62.3	11.75	64.1	11.97
		125.5	45.4	7.22	49.2	8.42	53.6	9.80	58.2	11.03	60.0	11.29	62.3	11.57	64.1	11.78
		251.0	45.4	6.63	49.2	7.87	53.6	9.17	58.2	10.32	60.0	10.56	62.3	10.84	64.1	11.03
		313.8	45.4	6.45	49.2	7.70	53.6	8.97	58.2	10.12	60.0	10.37	62.3	10.63	64.1	10.74
		376.5	45.4	6.36	49.2	7.62	53.6	8.87	58.2	10.03	60.0	10.27	62.3	10.52	64.1	10.60
	35	100.4	45.4	8.17	49.2	9.50	53.6	11.06	58.2	12.47	60.0	12.77	62.3	13.08	64.1	13.31
		125.5	45.4	8.01	49.2	9.34	53.6	10.89	58.2	12.27	60.0	12.56	62.3	12.87	64.1	13.10
		251.0	45.4	7.38	49.2	8.74	53.6	10.19	58.2	11.47	60.0	11.73	62.3	12.04	64.1	12.25
		313.8	45.4	7.17	49.2	8.55	53.6	9.98	58.2	11.25	60.0	11.52	62.3	11.81	64.1	11.93
		376.5	45.4	7.06	49.2	8.45	53.6	9.87	58.2	11.13	60.0	11.42	62.3	11.70	64.1	11.77
	40	100.4	45.4	9.68	49.2	11.25	53.6	13.12	58.2	14.77	60.0	15.12	62.3	15.47	64.1	15.75
		125.5	45.4	9.49	49.2	11.07	53.6	12.90	58.2	14.53	60.0	14.87	62.3	15.23	64.1	15.50
		251.0	45.4	8.73	49.2	10.35	53.6	12.06	58.2	13.59	60.0	13.89	62.3	14.25	64.1	14.51
		313.8	45.4	8.48	49.2	10.12	53.6	11.81	58.2	13.31	60.0	13.63	62.3	13.99	64.1	14.14
		376.5	45.4	8.36	49.2	10.01	53.6	11.69	58.2	13.17	60.0	13.50	62.3	13.86	64.1	13.95
	45	100.4	45.4	11.19	49.2	13.00	53.6	15.17	58.2	17.06	60.0	17.46	62.3	17.87	64.1	18.19
		125.5	45.4	10.97	49.2	12.79	53.6	14.92	58.2	16.79	60.0	17.18	62.3	17.58	64.1	17.91
		251.0	45.4	10.08	49.2	11.96	53.6	13.93	58.2	15.70	60.0	16.06	62.3	16.46	64.1	16.77
		313.8	45.4	9.80	49.2	11.70	53.6	13.65	58.2	15.37	60.0	15.75	62.3	16.17	64.1	16.35
		376.5	45.4	9.66	49.2	11.57	53.6	13.51	58.2	15.21	60.0	15.59	62.3	16.02	64.1	16.14
70	10	100.4	39.7	2.42	43.0	2.84	46.9	3.31	51.0	3.72	52.5	3.79	54.5	3.89	56.1	3.97
		125.5	39.7	2.37	43.0	2.80	46.9	3.25	51.0	3.66	52.5	3.74	54.5	3.83	56.1	3.91
		251.0	39.7	2.19	43.0	2.63	46.9	3.01	51.0	3.41	52.5	3.50	54.5	3.60	56.1	3.66
		313.8	39.7	2.12	43.0	2.55	46.9	2.97	51.0	3.36	52.5	3.44	54.5	3.52	56.1	3.56
		376.5	39.7	2.09	43.0	2.51	46.9	2.95	51.0	3.34	52.5	3.41	54.5	3.48	56.1	3.52
	15	100.4	39.7	3.30	43.0	3.85	46.9	4.48	51.0	5.04	52.5	5.15	54.5	5.28	56.1	5.38
		125.5	39.7	3.23	43.0	3.79	46.9	4.40	51.0	4.96	52.5	5.07	54.5	5.20	56.1	5.30
		251.0	39.7	2.97	43.0	3.54	46.9	4.11	51.0	4.63	52.5	4.75	54.5	4.88	56.1	4.96
		313.8	39.7	2.89	43.0	3.46	46.9	4.03	51.0	4.55	52.5	4.66	54.5	4.78	56.1	4.83
		376.5	39.7	2.85	43.0	3.42	46.9	3.99	51.0	4.51	52.5	4.62	54.5	4.73	56.1	4.76
	20	100.4	39.7	4.08	43.0	4.74	46.9	5.51	51.0	6.21	52.5	6.36	54.5	6.52	56.1	6.64
		125.5	39.7	4.00	43.0	4.66	46.9	5.43	51.0	6.11	52.5	6.26	54.5	6.42	56.1	6.53
		251.0	39.7	3.67	43.0	4.36	46.9	5.09	51.0	5.72	52.5	5.85	54.5	6.01	56.1	6.11
		313.8	39.7	3.58	43.0	4.27	46.9	4.97	51.0	5.61	52.5	5.75	54.5	5.90	56.1	5.95
		376.5	39.7	3.53	43.0	4.23	46.9	4.92	51.0	5.55	52.5	5.70	54.5	5.84	56.1	5.87
	25	100.4	39.7	4.97	43.0	5.78	46.9	6.74	51.0	7.58	52.5	7.76	54.5	7.96	56.1	8.09
		125.5	39.7	4.88	43.0	5.69	46.9	6.63	51.0	7.46	52.5	7.64	54.5	7.83	56.1	7.96
		251.0	39.7	4.49	43.0	5.31	46.9	6.19	51.0	6.97	52.5	7.13	54.5	7.33	56.1	7.46
		313.8	39.7	4.36	43.0	5.20	46.9	6.06	51.0	6.84	52.5	7.00	54.5	7.18	56.1	7.26
		376.5	39.7	4.29	43.0	5.14	46.9	6.00	51.0	6.78	52.5	6.94	54.5	7.11	56.1	7.17

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	100.4	39.7	6.12	43.0	7.10	46.9	8.27	51.0	9.33	52.5	9.54	54.5	9.78	56.1	9.96
		125.5	39.7	6.00	43.0	6.99	46.9	8.14	51.0	9.18	52.5	9.39	54.5	9.62	56.1	9.80
		251.0	39.7	5.51	43.0	6.53	46.9	7.62	51.0	8.58	52.5	8.79	54.5	9.00	56.1	9.17
		313.8	39.7	5.36	43.0	6.40	46.9	7.46	51.0	8.42	52.5	8.61	54.5	8.84	56.1	8.94
		376.5	39.7	5.29	43.0	6.34	46.9	7.38	51.0	8.34	52.5	8.52	54.5	8.76	56.1	8.82
	35	100.4	39.7	6.80	43.0	7.89	46.9	9.20	51.0	10.35	52.5	10.60	54.5	10.86	56.1	11.06
		125.5	39.7	6.66	43.0	7.77	46.9	9.05	51.0	10.19	52.5	10.43	54.5	10.69	56.1	10.89
		251.0	39.7	6.13	43.0	7.26	46.9	8.47	51.0	9.54	52.5	9.77	54.5	10.01	56.1	10.19
		313.8	39.7	5.96	43.0	7.12	46.9	8.29	51.0	9.34	52.5	9.57	54.5	9.82	56.1	9.93
		376.5	39.7	5.88	43.0	7.04	46.9	8.20	51.0	9.25	52.5	9.47	54.5	9.72	56.1	9.80
	40	100.4	39.7	8.06	43.0	9.35	46.9	10.90	51.0	12.27	52.5	12.57	54.5	12.86	56.1	13.09
		125.5	39.7	7.90	43.0	9.20	46.9	10.73	51.0	12.07	52.5	12.37	54.5	12.66	56.1	12.89
		251.0	39.7	7.26	43.0	8.61	46.9	10.03	51.0	11.29	52.5	11.55	54.5	11.85	56.1	12.07
		313.8	39.7	7.05	43.0	8.42	46.9	9.82	51.0	11.07	52.5	11.34	54.5	11.64	56.1	11.75
		376.5	39.7	6.95	43.0	8.32	46.9	9.71	51.0	10.95	52.5	11.24	54.5	11.53	56.1	11.59
	45	100.4	39.7	9.32	43.0	10.80	46.9	12.60	51.0	14.19	52.5	14.54	54.5	14.86	56.1	15.12
		125.5	39.7	9.13	43.0	10.63	46.9	12.40	51.0	13.96	52.5	14.30	54.5	14.63	56.1	14.89
		251.0	39.7	8.40	43.0	9.96	46.9	11.59	51.0	13.05	52.5	13.34	54.5	13.68	56.1	13.96
		313.8	39.7	8.14	43.0	9.72	46.9	11.34	51.0	12.79	52.5	13.11	54.5	13.46	56.1	13.57
		376.5	39.7	8.01	43.0	9.60	46.9	11.22	51.0	12.66	52.5	13.00	54.5	13.34	56.1	13.37
60	10	100.4	34.1	1.95	36.9	2.24	40.2	2.64	43.7	2.96	45.0	3.03	46.7	3.09	48.0	3.18
		125.5	34.1	1.91	36.9	2.20	40.2	2.60	43.7	2.91	45.0	2.99	46.7	3.05	48.0	3.13
		251.0	34.1	1.75	36.9	2.06	40.2	2.42	43.7	2.70	45.0	2.80	46.7	2.86	48.0	2.91
		313.8	34.1	1.70	36.9	2.05	40.2	2.38	43.7	2.67	45.0	2.75	46.7	2.80	48.0	2.85
		376.5	34.1	1.68	36.9	2.04	40.2	2.35	43.7	2.66	45.0	2.73	46.7	2.77	48.0	2.82
	15	100.4	34.1	2.64	36.9	3.06	40.2	3.57	43.7	4.01	45.0	4.11	46.7	4.21	48.0	4.29
		125.5	34.1	2.58	36.9	3.01	40.2	3.51	43.7	3.95	45.0	4.05	46.7	4.14	48.0	4.23
		251.0	34.1	2.37	36.9	2.81	40.2	3.28	43.7	3.69	45.0	3.79	46.7	3.88	48.0	3.95
		313.8	34.1	2.31	36.9	2.76	40.2	3.22	43.7	3.62	45.0	3.72	46.7	3.80	48.0	3.85
		376.5	34.1	2.28	36.9	2.74	40.2	3.19	43.7	3.59	45.0	3.69	46.7	3.76	48.0	3.80
	20	100.4	34.1	3.25	36.9	3.78	40.2	4.39	43.7	4.95	45.0	5.07	46.7	5.20	48.0	5.28
		125.5	34.1	3.19	36.9	3.72	40.2	4.32	43.7	4.88	45.0	4.99	46.7	5.12	48.0	5.20
		251.0	34.1	2.93	36.9	3.48	40.2	4.05	43.7	4.57	45.0	4.66	46.7	4.79	48.0	4.88
		313.8	34.1	2.84	36.9	3.40	40.2	3.97	43.7	4.47	45.0	4.58	46.7	4.70	48.0	4.75
		376.5	34.1	2.80	36.9	3.36	40.2	3.92	43.7	4.42	45.0	4.54	46.7	4.65	48.0	4.68
	25	100.4	34.1	3.96	36.9	4.61	40.2	5.37	43.7	6.05	45.0	6.20	46.7	6.34	48.0	6.46
		125.5	34.1	3.88	36.9	4.53	40.2	5.28	43.7	5.95	45.0	6.09	46.7	6.24	48.0	6.35
		251.0	34.1	3.58	36.9	4.24	40.2	4.94	43.7	5.56	45.0	5.69	46.7	5.83	48.0	5.95
		313.8	34.1	3.48	36.9	4.14	40.2	4.84	43.7	5.44	45.0	5.59	46.7	5.74	48.0	5.79
		376.5	34.1	3.43	36.9	4.10	40.2	4.79	43.7	5.39	45.0	5.54	46.7	5.69	48.0	5.70
	30	100.4	34.1	4.87	36.9	5.66	40.2	6.61	43.7	7.43	45.0	7.61	46.7	7.79	48.0	7.94
		125.5	34.1	4.78	36.9	5.57	40.2	6.50	43.7	7.31	45.0	7.49	46.7	7.67	48.0	7.82
		251.0	34.1	4.40	36.9	5.22	40.2	6.08	43.7	6.84	45.0	7.00	46.7	7.18	48.0	7.31
		313.8	34.1	4.27	36.9	5.10	40.2	5.95	43.7	6.71	45.0	6.87	46.7	7.05	48.0	7.12
		376.5	34.1	4.21	36.9	5.05	40.2	5.88	43.7	6.65	45.0	6.81	46.7	6.99	48.0	7.02
	35	100.4	34.1	5.42	36.9	6.29	40.2	7.33	43.7	8.26	45.0	8.46	46.7	8.67	48.0	8.82
		125.5	34.1	5.31	36.9	6.19	40.2	7.22	43.7	8.13	45.0	8.32	46.7	8.53	48.0	8.68
		251.0	34.1	4.89	36.9	5.79	40.2	6.74	43.7	7.61	45.0	7.78	46.7	7.98	48.0	8.13
		313.8	34.1	4.75	36.9	5.67	40.2	6.61	43.7	7.44	45.0	7.64	46.7	7.83	48.0	7.91
		376.5	34.1	4.67	36.9	5.61	40.2	6.55	43.7	7.36	45.0	7.56	46.7	7.76	48.0	7.81
	40	100.4	34.1	6.42	36.9	7.47	40.2	8.69	43.7	9.78	45.0	10.01	46.7	10.26	48.0	10.45
		125.5	34.1	6.29	36.9	7.35	40.2	8.55	43.7	9.62	45.0	9.85	46.7	10.09	48.0	10.29
		251.0	34.1	5.79	36.9	6.86	40.2	8.00	43.7	9.00	45.0	9.21	46.7	9.44	48.0	9.62
		313.8	34.1	5.62	36.9	6.71	40.2	7.83	43.7	8.82	45.0	9.04	46.7	9.28	48.0	9.36
		376.5	34.1	5.54	36.9	6.64	40.2	7.75	43.7	8.73	45.0	8.95	46.7	9.20	48.0	9.23
	45	100.4	34.1	7.41	36.9	8.64	40.2	10.04	43.7	11.30	45.0	11.56	46.7	11.84	48.0	12.09
		125.5	34.1	7.26	36.9	8.50	40.2	9.88	43.7	11.12	45.0	11.38	46.7	11.65	48.0	11.90
		251.0	34.1	6.68	36.9	7.93	40.2	9.25	43.7	10.40	45.0	10.64	46.7	10.90	48.0	11.12
		313.8	34.1	6.50	36.9	7.75	40.2	9.05	43.7	10.21	45.0	10.43	46.7	10.73	48.0	10.81
		376.5	34.1	6.41	36.9	7.66	40.2	8.95	43.7	10.11	45.0	10.33	46.7	10.64	48.0	10.65
50	10	100.4	28.4	1.47	30.7	1.66	33.5	1.95	36.4	2.18	37.5	2.27	38.9	2.30	40.0	2.37
		125.5	28.4	1.44	30.7	1.64	33.5	1.92	36.4	2.16	37.5	2.24	38.9	2.26	40.0	2.33
		251.0	28.4	1.31	30.7	1.55	33.5	1.81	36.4	2.05	37.5	2.10	38.9	2.12	40.0	2.16
		313.8	28.4	1.27	30.7	1.53	33.5	1.78	36.4	1.98	37.5	2.03	38.9	2.09	40.0	2.13
		376.5	28.4	1.24	30.7	1.53	33.5	1.77	36.4	1.95	37.5	2.00	38.9	2.08	40.0	2.11

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	100.4	28.4	1.97	30.7	2.28	33.5	2.66	36.4	2.99	37.5	3.07	38.9	3.14	40.0	3.21
		125.5	28.4	1.93	30.7	2.24	33.5	2.62	36.4	2.94	37.5	3.02	38.9	3.09	40.0	3.15
		251.0	28.4	1.77	30.7	2.10	33.5	2.45	36.4	2.76	37.5	2.83	38.9	2.89	40.0	2.94
		313.8	28.4	1.72	30.7	2.06	33.5	2.41	36.4	2.70	37.5	2.76	38.9	2.84	40.0	2.88
		376.5	28.4	1.70	30.7	2.05	33.5	2.38	36.4	2.67	37.5	2.73	38.9	2.82	40.0	2.84
	20	100.4	28.4	2.42	30.7	2.83	33.5	3.29	36.4	3.70	37.5	3.78	38.9	3.88	40.0	3.95
		125.5	28.4	2.37	30.7	2.78	33.5	3.23	36.4	3.64	37.5	3.72	38.9	3.82	40.0	3.88
		251.0	28.4	2.18	30.7	2.58	33.5	3.02	36.4	3.40	37.5	3.48	38.9	3.58	40.0	3.64
		313.8	28.4	2.13	30.7	2.54	33.5	2.96	36.4	3.33	37.5	3.41	38.9	3.51	40.0	3.54
		376.5	28.4	2.10	30.7	2.51	33.5	2.93	36.4	3.30	37.5	3.38	38.9	3.48	40.0	3.49
	25	100.4	28.4	2.95	30.7	3.44	33.5	3.99	36.4	4.51	37.5	4.61	38.9	4.72	40.0	4.80
		125.5	28.4	2.89	30.7	3.38	33.5	3.93	36.4	4.44	37.5	4.53	38.9	4.65	40.0	4.73
		251.0	28.4	2.67	30.7	3.15	33.5	3.69	36.4	4.14	37.5	4.24	38.9	4.36	40.0	4.44
		313.8	28.4	2.58	30.7	3.09	33.5	3.61	36.4	4.06	37.5	4.16	38.9	4.27	40.0	4.32
		376.5	28.4	2.54	30.7	3.06	33.5	3.57	36.4	4.02	37.5	4.12	38.9	4.23	40.0	4.27
	30	100.4	28.4	3.63	30.7	4.23	33.5	4.92	36.4	5.55	37.5	5.68	38.9	5.81	40.0	5.91
		125.5	28.4	3.56	30.7	4.16	33.5	4.84	36.4	5.46	37.5	5.59	38.9	5.72	40.0	5.82
		251.0	28.4	3.28	30.7	3.88	33.5	4.53	36.4	5.10	37.5	5.22	38.9	5.36	40.0	5.44
		313.8	28.4	3.19	30.7	3.80	33.5	4.44	36.4	5.01	37.5	5.12	38.9	5.25	40.0	5.31
		376.5	28.4	3.14	30.7	3.76	33.5	4.39	36.4	4.96	37.5	5.07	38.9	5.19	40.0	5.25
	35	100.4	28.4	4.05	30.7	4.69	33.5	5.46	36.4	6.16	37.5	6.31	38.9	6.46	40.0	6.57
		125.5	28.4	3.97	30.7	4.62	33.5	5.38	36.4	6.06	37.5	6.21	38.9	6.35	40.0	6.47
		251.0	28.4	3.64	30.7	4.32	33.5	5.04	36.4	5.67	37.5	5.80	38.9	5.95	40.0	6.06
		313.8	28.4	3.54	30.7	4.23	33.5	4.92	36.4	5.56	37.5	5.69	38.9	5.83	40.0	5.90
		376.5	28.4	3.49	30.7	4.18	33.5	4.87	36.4	5.50	37.5	5.63	38.9	5.78	40.0	5.82
	40	100.4	28.4	4.79	30.7	5.57	33.5	6.47	36.4	7.30	37.5	7.46	38.9	7.64	40.0	7.80
		125.5	28.4	4.70	30.7	5.48	33.5	6.37	36.4	7.18	37.5	7.35	38.9	7.52	40.0	7.67
		251.0	28.4	4.31	30.7	5.12	33.5	5.96	36.4	6.71	37.5	6.87	38.9	7.05	40.0	7.17
		313.8	28.4	4.19	30.7	5.01	33.5	5.83	36.4	6.58	37.5	6.74	38.9	6.91	40.0	6.99
		376.5	28.4	4.14	30.7	4.95	33.5	5.77	36.4	6.52	37.5	6.68	38.9	6.83	40.0	6.90
	45	100.4	28.4	5.54	30.7	6.44	33.5	7.48	36.4	8.44	37.5	8.62	38.9	8.83	40.0	9.02
		125.5	28.4	5.43	30.7	6.34	33.5	7.36	36.4	8.30	37.5	8.48	38.9	8.69	40.0	8.87
		251.0	28.4	4.97	30.7	5.92	33.5	6.89	36.4	7.75	37.5	7.95	38.9	8.16	40.0	8.27
		313.8	28.4	4.84	30.7	5.79	33.5	6.74	36.4	7.61	37.5	7.80	38.9	7.98	40.0	8.08
		376.5	28.4	4.78	30.7	5.72	33.5	6.67	36.4	7.53	37.5	7.73	38.9	7.89	40.0	7.98

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(28HP)

ARWN280LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	108.0	72.9	5.28	78.9	6.14	85.9	7.18	93.4	8.07	96.2	8.26	99.9	8.46	102.8	8.63
		135.0	72.9	5.18	78.9	6.04	85.9	7.06	93.4	7.94	96.2	8.13	99.9	8.33	102.8	8.49
		270.0	72.9	4.79	78.9	5.67	85.9	6.59	93.4	7.42	96.2	7.61	99.9	7.82	102.8	7.95
		337.5	72.9	4.63	78.9	5.53	85.9	6.46	93.4	7.27	96.2	7.45	99.9	7.64	102.8	7.78
		405.0	72.9	4.55	78.9	5.46	85.9	6.39	93.4	7.19	96.2	7.38	99.9	7.56	102.8	7.70
	15	108.0	71.7	6.94	77.6	8.08	84.6	9.42	91.9	10.59	94.7	10.84	98.3	11.11	101.1	11.31
		135.0	71.7	6.81	77.6	7.95	84.6	9.27	91.9	10.42	94.7	10.67	98.3	10.94	101.1	11.14
		270.0	71.7	6.27	77.6	7.43	84.6	8.66	91.9	9.75	94.7	10.00	98.3	10.26	101.1	10.46
		337.5	71.7	6.09	77.6	7.27	84.6	8.48	91.9	9.55	94.7	9.80	98.3	10.05	101.1	10.23
		405.0	71.7	6.01	77.6	7.19	84.6	8.39	91.9	9.45	94.7	9.70	98.3	9.94	101.1	10.11
	20	108.0	70.7	8.42	76.5	9.80	83.4	11.41	90.6	12.84	93.3	13.14	96.9	13.46	99.6	13.69
		135.0	70.7	8.25	76.5	9.64	83.4	11.23	90.6	12.63	93.3	12.94	96.9	13.26	99.6	13.49
		270.0	70.7	7.59	76.5	9.00	83.4	10.49	90.6	11.81	93.3	12.12	96.9	12.44	99.6	12.69
		337.5	70.7	7.39	76.5	8.82	83.4	10.28	90.6	11.58	93.3	11.88	96.9	12.19	99.6	12.40
		405.0	70.7	7.30	76.5	8.73	83.4	10.17	90.6	11.47	93.3	11.77	96.9	12.06	99.6	12.26
	25	108.0	70.7	10.40	76.5	12.08	83.4	14.07	90.6	15.85	93.3	16.20	96.9	16.62	99.6	16.89
		135.0	70.7	10.19	76.5	11.88	83.4	13.84	90.6	15.59	93.3	15.95	96.9	16.36	99.6	16.64
		270.0	70.7	9.37	76.5	11.10	83.4	12.94	90.6	14.58	93.3	14.93	96.9	15.32	99.6	15.64
		337.5	70.7	9.11	76.5	10.87	83.4	12.67	90.6	14.29	93.3	14.66	96.9	15.04	99.6	15.29
		405.0	70.7	8.97	76.5	10.75	83.4	12.54	90.6	14.15	93.3	14.53	96.9	14.90	99.6	15.11
	30	108.0	70.7	12.47	76.5	14.49	83.4	16.88	90.6	19.02	93.3	19.47	96.9	19.93	99.6	20.28
		135.0	70.7	12.22	76.5	14.25	83.4	16.61	90.6	18.71	93.3	19.15	96.9	19.62	99.6	19.97
		270.0	70.7	11.24	76.5	13.33	83.4	15.52	90.6	17.48	93.3	17.93	96.9	18.39	99.6	18.76
		337.5	70.7	10.92	76.5	13.04	83.4	15.22	90.6	17.14	93.3	17.59	96.9	18.03	99.6	18.33
		405.0	70.7	10.76	76.5	12.90	83.4	15.07	90.6	16.97	93.3	17.42	96.9	17.85	99.6	18.12
	35	108.0	63.6	12.62	68.9	14.65	75.0	17.08	81.5	19.22	84.0	19.68	87.2	20.14	89.7	20.49
		135.0	63.6	12.37	68.9	14.41	75.0	16.80	81.5	18.91	84.0	19.37	87.2	19.83	89.7	20.19
		270.0	63.6	11.37	68.9	13.49	75.0	15.70	81.5	17.68	84.0	18.12	87.2	18.60	89.7	18.98
		337.5	63.6	11.05	68.9	13.19	75.0	15.38	81.5	17.34	84.0	17.78	87.2	18.25	89.7	18.55
		405.0	63.6	10.89	68.9	13.03	75.0	15.22	81.5	17.17	84.0	17.61	87.2	18.07	89.7	18.34
	40	108.0	56.5	13.31	61.2	15.45	66.6	18.00	72.5	20.28	74.6	20.75	77.5	21.25	79.7	21.64
		135.0	56.5	13.04	61.2	15.20	66.6	17.71	72.5	19.96	74.6	20.42	77.5	20.92	79.7	21.31
		270.0	56.5	11.99	61.2	14.22	66.6	16.57	72.5	18.66	74.6	19.12	77.5	19.62	79.7	20.01
		337.5	56.5	11.65	61.2	13.92	66.6	16.21	72.5	18.28	74.6	18.76	77.5	19.24	79.7	19.56
		405.0	56.5	11.48	61.2	13.77	66.6	16.04	72.5	18.10	74.6	18.59	77.5	19.06	79.7	19.34
	45	108.0	49.4	14.00	53.5	16.24	58.3	18.92	63.4	21.35	65.3	21.81	67.8	22.35	69.7	22.78
		135.0	49.4	13.72	53.5	15.98	58.3	18.62	63.4	21.01	65.3	21.47	67.8	22.01	69.7	22.43
		270.0	49.4	12.62	53.5	14.95	58.3	17.44	63.4	19.64	65.3	20.12	67.8	20.63	69.7	21.04
		337.5	49.4	12.26	53.5	14.65	58.3	17.05	63.4	19.23	65.3	19.74	67.8	20.24	69.7	20.58
		405.0	49.4	12.08	53.5	14.50	58.3	16.86	63.4	19.02	65.3	19.56	67.8	20.05	69.7	20.35
120	10	108.0	69.0	5.02	74.7	5.84	81.3	6.77	88.4	7.66	91.1	7.83	94.6	8.02	97.3	8.18
		135.0	69.0	4.92	74.7	5.74	81.3	6.67	88.4	7.53	91.1	7.70	94.6	7.89	97.3	8.05
		270.0	69.0	4.50	74.7	5.37	81.3	6.26	88.4	7.01	91.1	7.21	94.6	7.39	97.3	7.55
		337.5	69.0	4.38	74.7	5.23	81.3	6.10	88.4	6.90	91.1	7.07	94.6	7.28	97.3	7.38
		405.0	69.0	4.32	74.7	5.16	81.3	6.02	88.4	6.84	91.1	7.00	94.6	7.22	97.3	7.29
	15	108.0	68.2	6.66	73.8	7.73	80.4	9.00	87.4	10.14	90.1	10.38	93.5	10.63	96.1	10.82
		135.0	68.2	6.52	73.8	7.61	80.4	8.86	87.4	9.98	90.1	10.21	93.5	10.46	96.1	10.66
		270.0	68.2	5.99	73.8	7.11	80.4	8.29	87.4	9.32	90.1	9.55	93.5	9.80	96.1	10.00
		337.5	68.2	5.83	73.8	6.95	80.4	8.11	87.4	9.14	90.1	9.37	93.5	9.62	96.1	9.76
		405.0	68.2	5.75	73.8	6.87	80.4	8.02	87.4	9.05	90.1	9.28	93.5	9.53	96.1	9.65
	20	108.0	67.5	8.11	73.1	9.42	79.6	10.98	86.5	12.35	89.1	12.64	92.6	12.94	95.2	13.17
		135.0	67.5	7.95	73.1	9.27	79.6	10.80	86.5	12.15	89.1	12.44	92.6	12.74	95.2	12.97
		270.0	67.5	7.31	73.1	8.66	79.6	10.09	86.5	11.37	89.1	11.64	92.6	11.94	95.2	12.17
		337.5	67.5	7.11	73.1	8.48	79.6	9.89	86.5	11.14	89.1	11.42	92.6	11.71	95.2	11.88
		405.0	67.5	7.01	73.1	8.39	79.6	9.79	86.5	11.02	89.1	11.32	92.6	11.59	95.2	11.74
	25	108.0	67.5	9.96	73.1	11.57	79.6	13.47	86.5	15.17	89.1	15.54	92.6	15.91	95.2	16.19
		135.0	67.5	9.76	73.1	11.39	79.6	13.26	86.5	14.93	89.1	15.29	92.6	15.66	95.2	15.95
		270.0	67.5	8.98	73.1	10.64	79.6	12.40	86.5	13.97	89.1	14.31	92.6	14.68	95.2	14.97
		337.5	67.5	8.73	73.1	10.42	79.6	12.15	86.5	13.68	89.1	14.04	92.6	14.40	95.2	14.61
		405.0	67.5	8.61	73.1	10.32	79.6	12.03	86.5	13.54	89.1	13.91	92.6	14.26	95.2	14.43
	30	108.0	67.5	12.03	73.1	14.00	79.6	16.30	86.5	18.34	89.1	18.80	92.6	19.24	95.2	19.58
		135.0	67.5	11.80	73.1	13.77	79.6	16.04	86.5	18.05	89.1	18.50	92.6	18.94	95.2	19.28
		270.0	67.5	10.85	73.1	12.86	79.6	14.99	86.5	16.89	89.1	17.30	92.6	17.75	95.2	18.10
		337.5	67.5	10.55	73.1	12.60	79.6	14.68	86.5	16.55	89.1	16.98	92.6	17.41	95.2	17.68
		405.0	67.5	10.40	73.1	12.46	79.6	14.53	86.5	16.38	89.1	16.82	92.6	17.24	95.2	17.46

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	108.0	61.7	12.35	66.9	14.35	72.8	16.70	79.2	18.82	81.6	19.27	84.7	19.73	87.1	20.07
		135.0	61.7	12.10	66.9	14.11	72.8	16.43	79.2	18.51	81.6	18.96	84.7	19.42	87.1	19.76
		270.0	61.7	11.12	66.9	13.19	72.8	15.36	79.2	17.30	81.6	17.73	84.7	18.19	87.1	18.55
		337.5	61.7	10.82	66.9	12.92	72.8	15.06	79.2	16.96	81.6	17.41	84.7	17.84	87.1	18.10
		405.0	61.7	10.66	66.9	12.79	72.8	14.91	79.2	16.79	81.6	17.25	84.7	17.66	87.1	17.88
	40	108.0	56.0	13.29	60.7	15.43	66.1	17.99	71.8	20.25	74.0	20.73	76.9	21.23	79.0	21.61
		135.0	56.0	13.03	60.7	15.18	66.1	17.69	71.8	19.92	74.0	20.40	76.9	20.90	79.0	21.27
		270.0	56.0	11.97	60.7	14.20	66.1	16.54	71.8	18.62	74.0	19.08	76.9	19.58	79.0	19.96
		337.5	56.0	11.64	60.7	13.90	66.1	16.20	71.8	18.26	74.0	18.73	76.9	19.21	79.0	19.49
		405.0	56.0	11.47	60.7	13.75	66.1	16.03	71.8	18.09	74.0	18.55	76.9	19.02	79.0	19.26
	45	108.0	50.3	14.24	54.4	16.51	59.3	19.27	64.5	21.68	66.4	22.20	69.0	22.74	70.9	23.15
		135.0	50.3	13.95	54.4	16.25	59.3	18.96	64.5	21.33	66.4	21.85	69.0	22.38	70.9	22.79
		270.0	50.3	12.83	54.4	15.22	59.3	17.71	64.5	19.94	66.4	20.44	69.0	20.97	70.9	21.36
		337.5	50.3	12.45	54.4	14.88	59.3	17.34	64.5	19.56	66.4	20.05	69.0	20.58	70.9	20.88
		405.0	50.3	12.27	54.4	14.71	59.3	17.15	64.5	19.38	66.4	19.85	69.0	20.38	70.9	20.64
110	10	108.0	65.1	4.73	70.4	5.49	76.8	6.40	83.4	7.21	85.9	7.40	89.2	7.54	91.7	7.73
		135.0	65.1	4.63	70.4	5.41	76.8	6.30	83.4	7.09	85.9	7.28	89.2	7.43	91.7	7.61
		270.0	65.1	4.26	70.4	5.06	76.8	5.91	83.4	6.63	85.9	6.82	89.2	6.99	91.7	7.13
		337.5	65.1	4.14	70.4	4.96	76.8	5.77	83.4	6.53	85.9	6.68	89.2	6.85	91.7	6.92
		405.0	65.1	4.08	70.4	4.91	76.8	5.70	83.4	6.48	85.9	6.61	89.2	6.78	91.7	6.81
	15	108.0	64.7	6.34	70.0	7.37	76.3	8.58	82.9	9.67	85.4	9.90	88.7	10.14	91.2	10.34
		135.0	64.7	6.22	70.0	7.25	76.3	8.45	82.9	9.51	85.4	9.75	88.7	9.98	91.2	10.17
		270.0	64.7	5.72	70.0	6.79	76.3	7.91	82.9	8.89	85.4	9.12	88.7	9.35	91.2	9.53
		337.5	64.7	5.56	70.0	6.65	76.3	7.73	82.9	8.73	85.4	8.94	88.7	9.18	91.2	9.28
		405.0	64.7	5.48	70.0	6.58	76.3	7.64	82.9	8.65	85.4	8.86	88.7	9.09	91.2	9.16
	20	108.0	64.3	7.78	69.6	9.04	75.8	10.52	82.5	11.86	84.9	12.13	88.3	12.44	90.7	12.65
		135.0	64.3	7.63	69.6	8.89	75.8	10.35	82.5	11.67	84.9	11.94	88.3	12.24	90.7	12.45
		270.0	64.3	7.02	69.6	8.32	75.8	9.69	82.5	10.90	84.9	11.17	88.3	11.46	90.7	11.67
		337.5	64.3	6.82	69.6	8.14	75.8	9.48	82.5	10.69	84.9	10.96	88.3	11.24	90.7	11.39
		405.0	64.3	6.73	69.6	8.05	75.8	9.37	82.5	10.58	84.9	10.85	88.3	11.14	90.7	11.24
	25	108.0	64.3	9.53	69.6	11.07	75.8	12.89	82.5	14.52	84.9	14.87	88.3	15.22	90.7	15.50
		135.0	64.3	9.34	69.6	10.89	75.8	12.69	82.5	14.29	84.9	14.63	88.3	14.99	90.7	15.25
		270.0	64.3	8.59	69.6	10.17	75.8	11.87	82.5	13.36	84.9	13.68	88.3	14.04	90.7	14.29
		337.5	64.3	8.36	69.6	9.96	75.8	11.62	82.5	13.10	84.9	13.42	88.3	13.77	90.7	13.93
		405.0	64.3	8.24	69.6	9.85	75.8	11.49	82.5	12.96	84.9	13.28	88.3	13.64	90.7	13.76
	30	108.0	64.3	11.62	69.6	13.49	75.8	15.72	82.5	17.69	84.9	18.13	88.3	18.56	90.7	18.90
		135.0	64.3	11.39	69.6	13.27	75.8	15.47	82.5	17.41	84.9	17.84	88.3	18.26	90.7	18.60
		270.0	64.3	10.46	69.6	12.42	75.8	14.45	82.5	16.29	84.9	16.68	88.3	17.11	90.7	17.43
		337.5	64.3	10.17	69.6	12.15	75.8	14.17	82.5	15.97	84.9	16.36	88.3	16.78	90.7	17.00
		405.0	64.3	10.03	69.6	12.02	75.8	14.02	82.5	15.81	84.9	16.20	88.3	16.63	90.7	16.79
	35	108.0	59.9	12.07	64.9	14.04	70.7	16.33	76.8	18.40	79.1	18.83	82.2	19.30	84.5	19.64
		135.0	59.9	11.83	64.9	13.81	70.7	16.07	76.8	18.10	79.1	18.53	82.2	18.99	84.5	19.33
		270.0	59.9	10.89	64.9	12.90	70.7	15.04	76.8	16.93	79.1	17.34	82.2	17.78	84.5	18.12
		337.5	59.9	10.58	64.9	12.63	70.7	14.72	76.8	16.59	79.1	17.02	82.2	17.44	84.5	17.68
		405.0	59.9	10.43	64.9	12.50	70.7	14.56	76.8	16.42	79.1	16.86	82.2	17.28	84.5	17.45
	40	108.0	55.5	13.27	60.2	15.41	65.5	17.95	71.2	20.21	73.3	20.70	76.2	21.20	78.3	21.58
		135.0	55.5	13.01	60.2	15.16	65.5	17.66	71.2	19.89	73.3	20.37	76.2	20.87	78.3	21.24
		270.0	55.5	11.96	60.2	14.18	65.5	16.52	71.2	18.60	73.3	19.05	76.2	19.55	78.3	19.90
		337.5	55.5	11.62	60.2	13.88	65.5	16.18	71.2	18.23	73.3	18.69	76.2	19.17	78.3	19.40
		405.0	55.5	11.45	60.2	13.73	65.5	16.01	71.2	18.04	73.3	18.51	76.2	18.99	78.3	19.16
	45	108.0	51.1	14.48	55.4	16.78	60.3	19.56	65.6	22.02	67.6	22.57	70.1	23.10	72.1	23.51
		135.0	51.1	14.18	55.4	16.52	60.3	19.24	65.6	21.67	67.6	22.20	70.1	22.74	72.1	23.15
		270.0	51.1	13.03	55.4	15.47	60.3	18.00	65.6	20.28	67.6	20.76	70.1	21.31	72.1	21.68
		337.5	51.1	12.65	55.4	15.13	60.3	17.64	65.6	19.87	67.6	20.37	70.1	20.90	72.1	21.13
		405.0	51.1	12.46	55.4	14.96	60.3	17.46	65.6	19.66	67.6	20.17	70.1	20.70	72.1	20.86
100	10	108.0	61.1	4.48	66.2	5.19	72.1	6.05	78.4	6.82	80.7	6.98	83.9	7.15	86.2	7.25
		135.0	61.1	4.39	66.2	5.11	72.1	5.95	78.4	6.70	80.7	6.86	83.9	7.03	86.2	7.13
		270.0	61.1	4.03	66.2	4.78	72.1	5.53	78.4	6.26	80.7	6.39	83.9	6.55	86.2	6.67
		337.5	61.1	3.89	66.2	4.66	72.1	5.45	78.4	6.12	80.7	6.29	83.9	6.43	86.2	6.49
		405.0	61.1	3.82	66.2	4.60	72.1	5.41	78.4	6.05	80.7	6.24	83.9	6.37	86.2	6.41
	15	108.0	61.1	6.05	66.2	7.03	72.1	8.19	78.4	9.22	80.7	9.44	83.9	9.67	86.2	9.83
		135.0	61.1	5.93	66.2	6.91	72.1	8.05	78.4	9.07	80.7	9.28	83.9	9.51	86.2	9.68
		270.0	61.1	5.45	66.2	6.47	72.1	7.52	78.4	8.48	80.7	8.68	83.9	8.89	86.2	9.05
		337.5	61.1	5.29	66.2	6.33	72.1	7.38	78.4	8.30	80.7	8.52	83.9	8.73	86.2	8.82
		405.0	61.1	5.21	66.2	6.25	72.1	7.31	78.4	8.21	80.7	8.44	83.9	8.65	86.2	8.70

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	108.0	61.1	7.45	66.2	8.66	72.1	10.09	78.4	11.35	80.7	11.62	83.9	11.91	86.2	12.13
		135.0	61.1	7.31	66.2	8.52	72.1	9.92	78.4	11.17	80.7	11.44	83.9	11.72	86.2	11.94
		270.0	61.1	6.72	66.2	7.96	72.1	9.28	78.4	10.46	80.7	10.71	83.9	10.98	86.2	11.17
		337.5	61.1	6.54	66.2	7.80	72.1	9.09	78.4	10.25	80.7	10.49	83.9	10.78	86.2	10.89
		405.0	61.1	6.45	66.2	7.72	72.1	8.99	78.4	10.14	80.7	10.39	83.9	10.68	86.2	10.75
	25	108.0	61.1	9.09	66.2	10.56	72.1	12.32	78.4	13.86	80.7	14.18	83.9	14.54	86.2	14.79
		135.0	61.1	8.91	66.2	10.39	72.1	12.12	78.4	13.63	80.7	13.95	83.9	14.31	86.2	14.56
		270.0	61.1	8.20	66.2	9.71	72.1	11.31	78.4	12.74	80.7	13.06	83.9	13.38	86.2	13.63
		337.5	61.1	7.96	66.2	9.51	72.1	11.08	78.4	12.49	80.7	12.81	83.9	13.13	86.2	13.27
		405.0	61.1	7.85	66.2	9.42	72.1	10.97	78.4	12.37	80.7	12.69	83.9	13.01	86.2	13.10
	30	108.0	61.1	11.18	66.2	13.00	72.1	15.14	78.4	17.04	80.7	17.46	83.9	17.87	86.2	18.20
		135.0	61.1	10.96	66.2	12.79	72.1	14.90	78.4	16.77	80.7	17.18	83.9	17.59	86.2	17.91
		270.0	61.1	10.09	66.2	11.96	72.1	13.92	78.4	15.68	80.7	16.05	83.9	16.46	86.2	16.77
		337.5	61.1	9.80	66.2	11.71	72.1	13.63	78.4	15.38	80.7	15.75	83.9	16.16	86.2	16.32
		405.0	61.1	9.66	66.2	11.58	72.1	13.49	78.4	15.23	80.7	15.60	83.9	16.01	86.2	16.10
	35	108.0	58.1	11.80	62.9	13.71	68.5	15.97	74.5	17.98	76.7	18.42	79.7	18.87	81.9	19.21
		135.0	58.1	11.56	62.9	13.49	68.5	15.72	74.5	17.69	76.7	18.12	79.7	18.57	81.9	18.91
		270.0	58.1	10.64	62.9	12.62	68.5	14.70	74.5	16.55	76.7	16.95	79.7	17.37	81.9	17.69
		337.5	58.1	10.35	62.9	12.35	68.5	14.40	74.5	16.23	76.7	16.62	79.7	17.05	81.9	17.23
		405.0	58.1	10.21	62.9	12.21	68.5	14.25	74.5	16.07	76.7	16.46	79.7	16.89	81.9	17.00
	40	108.0	55.0	13.23	59.6	15.40	64.9	17.93	70.6	20.20	72.7	20.66	75.5	21.17	77.6	21.55
		135.0	55.0	12.97	59.6	15.15	64.9	17.64	70.6	19.87	72.7	20.33	75.5	20.83	77.6	21.20
		270.0	55.0	11.94	59.6	14.15	64.9	16.48	70.6	18.57	72.7	19.01	75.5	19.49	77.6	19.85
		337.5	55.0	11.60	59.6	13.84	64.9	16.14	70.6	18.21	72.7	18.66	75.5	19.14	77.6	19.33
		405.0	55.0	11.43	59.6	13.69	64.9	15.97	70.6	18.03	72.7	18.48	75.5	18.96	77.6	19.08
	45	108.0	52.0	14.67	56.3	17.09	61.3	19.89	66.6	22.41	68.7	22.91	71.3	23.47	73.3	23.88
		135.0	52.0	14.38	56.3	16.80	61.3	19.56	66.6	22.04	68.7	22.54	71.3	23.09	73.3	23.50
		270.0	52.0	13.24	56.3	15.68	61.3	18.26	66.6	20.58	68.7	21.08	71.3	21.61	73.3	22.01
		337.5	52.0	12.85	56.3	15.34	61.3	17.89	66.6	20.19	68.7	20.69	71.3	21.22	73.3	21.44
		405.0	52.0	12.65	56.3	15.17	61.3	17.70	66.6	19.99	68.7	20.49	71.3	21.03	73.3	21.15
90	10	108.0	55.0	3.83	59.6	4.46	64.9	5.18	70.6	5.86	72.7	5.97	75.5	6.10	77.6	6.25
		135.0	55.0	3.75	59.6	4.39	64.9	5.11	70.6	5.76	72.7	5.88	75.5	6.01	77.6	6.15
		270.0	55.0	3.44	59.6	4.10	64.9	4.80	70.6	5.36	72.7	5.50	75.5	5.66	77.6	5.76
		337.5	55.0	3.36	59.6	3.99	64.9	4.68	70.6	5.26	72.7	5.40	75.5	5.55	77.6	5.59
		405.0	55.0	3.32	59.6	3.94	64.9	4.62	70.6	5.21	72.7	5.35	75.5	5.50	77.6	5.50
	15	108.0	55.0	5.20	59.6	6.05	64.9	7.04	70.6	7.93	72.7	8.11	75.5	8.31	77.6	8.47
		135.0	55.0	5.10	59.6	5.95	64.9	6.93	70.6	7.80	72.7	7.98	75.5	8.18	77.6	8.34
		270.0	55.0	4.69	59.6	5.56	64.9	6.49	70.6	7.29	72.7	7.47	75.5	7.66	77.6	7.80
		337.5	55.0	4.56	59.6	5.43	64.9	6.34	70.6	7.15	72.7	7.32	75.5	7.52	77.6	7.59
		405.0	55.0	4.50	59.6	5.37	64.9	6.27	70.6	7.07	72.7	7.25	75.5	7.45	77.6	7.48
	20	108.0	55.0	6.42	59.6	7.46	64.9	8.70	70.6	9.78	72.7	10.02	75.5	10.27	77.6	10.45
		135.0	55.0	6.29	59.6	7.34	64.9	8.55	70.6	9.62	72.7	9.85	75.5	10.10	77.6	10.28
		270.0	55.0	5.79	59.6	6.86	64.9	7.98	70.6	9.00	72.7	9.21	75.5	9.44	77.6	9.62
		337.5	55.0	5.63	59.6	6.72	64.9	7.82	70.6	8.82	72.7	9.03	75.5	9.27	77.6	9.37
		405.0	55.0	5.55	59.6	6.65	64.9	7.74	70.6	8.73	72.7	8.95	75.5	9.18	77.6	9.25
	25	108.0	55.0	7.81	59.6	9.09	64.9	10.59	70.6	11.94	72.7	12.20	75.5	12.51	77.6	12.73
		135.0	55.0	7.66	59.6	8.94	64.9	10.42	70.6	11.74	72.7	12.01	75.5	12.31	77.6	12.53
		270.0	55.0	7.06	59.6	8.36	64.9	9.75	70.6	10.98	72.7	11.24	75.5	11.53	77.6	11.72
		337.5	55.0	6.86	59.6	8.18	64.9	9.55	70.6	10.76	72.7	11.03	75.5	11.31	77.6	11.42
		405.0	55.0	6.76	59.6	8.09	64.9	9.45	70.6	10.66	72.7	10.92	75.5	11.21	77.6	11.27
	30	108.0	55.0	9.61	59.6	11.20	64.9	13.02	70.6	14.67	72.7	15.01	75.5	15.39	77.6	15.66
		135.0	55.0	9.43	59.6	11.01	64.9	12.81	70.6	14.43	72.7	14.77	75.5	15.15	77.6	15.41
		270.0	55.0	8.68	59.6	10.28	64.9	11.99	70.6	13.49	72.7	13.83	75.5	14.17	77.6	14.43
		337.5	55.0	8.45	59.6	10.07	64.9	11.74	70.6	13.24	72.7	13.56	75.5	13.92	77.6	14.04
		405.0	55.0	8.33	59.6	9.96	64.9	11.62	70.6	13.11	72.7	13.43	75.5	13.79	77.6	13.85
	35	108.0	53.5	10.38	57.9	12.06	63.1	14.05	68.6	15.83	70.7	16.21	73.4	16.60	75.5	16.89
		135.0	53.5	10.17	57.9	11.87	63.1	13.83	68.6	15.57	70.7	15.95	73.4	16.34	75.5	16.62
		270.0	53.5	9.35	57.9	11.10	63.1	12.94	68.6	14.56	70.7	14.91	73.4	15.29	75.5	15.57
		337.5	53.5	9.11	57.9	10.87	63.1	12.67	68.6	14.27	70.7	14.63	73.4	15.00	75.5	15.16
		405.0	53.5	8.98	57.9	10.75	63.1	12.54	68.6	14.13	70.7	14.49	73.4	14.86	75.5	14.96
	40	108.0	52.0	11.92	56.3	13.85	61.3	16.15	66.6	18.18	68.7	18.62	71.3	19.06	73.3	19.41
		135.0	52.0	11.69	56.3	13.63	61.3	15.89	66.6	17.89	68.7	18.32	71.3	18.76	73.3	19.10
		270.0	52.0	10.76	56.3	12.76	61.3	14.86	66.6	16.73	68.7	17.12	71.3	17.57	73.3	17.89
		337.5	52.0	10.46	56.3	12.47	61.3	14.56	66.6	16.39	68.7	16.80	71.3	17.23	73.3	17.41
		405.0	52.0	10.31	56.3	12.33	61.3	14.41	66.6	16.22	68.7	16.64	71.3	17.06	73.3	17.17

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	108.0	50.5	13.46	54.7	15.64	59.5	18.26	64.7	20.53	66.6	21.03	69.3	21.52	71.1	21.92
		135.0	50.5	13.20	54.7	15.39	59.5	17.96	64.7	20.21	66.6	20.69	69.3	21.19	71.1	21.58
		270.0	50.5	12.17	54.7	14.41	59.5	16.78	64.7	18.91	66.6	19.33	69.3	19.85	71.1	20.21
		337.5	50.5	11.81	54.7	14.08	59.5	16.45	64.7	18.51	66.6	18.98	69.3	19.46	71.1	19.65
		405.0	50.5	11.64	54.7	13.91	59.5	16.28	64.7	18.32	66.6	18.80	69.3	19.26	71.1	19.38
80	10	108.0	48.9	3.21	53.0	3.75	57.7	4.35	62.7	4.89	64.6	5.02	67.1	5.14	69.0	5.22
		135.0	48.9	3.15	53.0	3.69	57.7	4.29	62.7	4.82	64.6	4.94	67.1	5.06	69.0	5.14
		270.0	48.9	2.92	53.0	3.45	57.7	4.01	62.7	4.51	64.6	4.61	67.1	4.71	69.0	4.82
		337.5	48.9	2.83	53.0	3.36	57.7	3.94	62.7	4.44	64.6	4.54	67.1	4.66	69.0	4.68
		405.0	48.9	2.79	53.0	3.32	57.7	3.91	62.7	4.41	64.6	4.51	67.1	4.64	69.0	4.61
	15	108.0	48.9	4.36	53.0	5.07	57.7	5.90	62.7	6.65	64.6	6.81	67.1	6.97	69.0	7.10
		135.0	48.9	4.28	53.0	4.99	57.7	5.81	62.7	6.54	64.6	6.70	67.1	6.86	69.0	6.98
		270.0	48.9	3.94	53.0	4.67	57.7	5.43	62.7	6.11	64.6	6.25	67.1	6.41	69.0	6.54
		337.5	48.9	3.83	53.0	4.56	57.7	5.33	62.7	6.00	64.6	6.15	67.1	6.31	69.0	6.36
		405.0	48.9	3.78	53.0	4.51	57.7	5.27	62.7	5.95	64.6	6.09	67.1	6.25	69.0	6.27
	20	108.0	48.9	5.38	53.0	6.25	57.7	7.28	62.7	8.21	64.6	8.41	67.1	8.60	69.0	8.76
		135.0	48.9	5.27	53.0	6.15	57.7	7.16	62.7	8.07	64.6	8.27	67.1	8.46	69.0	8.62
		270.0	48.9	4.85	53.0	5.76	57.7	6.70	62.7	7.54	64.6	7.72	67.1	7.93	69.0	8.07
		337.5	48.9	4.72	53.0	5.63	57.7	6.56	62.7	7.39	64.6	7.57	67.1	7.77	69.0	7.86
		405.0	48.9	4.66	53.0	5.57	57.7	6.49	62.7	7.32	64.6	7.50	67.1	7.69	69.0	7.75
	25	108.0	48.9	6.56	53.0	7.62	57.7	8.87	62.7	10.00	64.6	10.23	67.1	10.48	69.0	10.68
		135.0	48.9	6.43	53.0	7.50	57.7	8.73	62.7	9.84	64.6	10.07	67.1	10.32	69.0	10.51
		270.0	48.9	5.92	53.0	7.02	57.7	8.16	62.7	9.19	64.6	9.43	67.1	9.66	69.0	9.84
		337.5	48.9	5.76	53.0	6.86	57.7	8.00	62.7	9.02	64.6	9.25	67.1	9.48	69.0	9.57
		405.0	48.9	5.68	53.0	6.78	57.7	7.92	62.7	8.93	64.6	9.16	67.1	9.39	69.0	9.44
	30	108.0	48.9	8.07	53.0	9.38	57.7	10.92	62.7	12.30	64.6	12.59	67.1	12.89	69.0	13.13
		135.0	48.9	7.91	53.0	9.23	57.7	10.74	62.7	12.10	64.6	12.38	67.1	12.69	69.0	12.92
		270.0	48.9	7.27	53.0	8.62	57.7	10.05	62.7	11.31	64.6	11.58	67.1	11.88	69.0	12.10
		337.5	48.9	7.07	53.0	8.45	57.7	9.84	62.7	11.10	64.6	11.37	67.1	11.65	69.0	11.78
		405.0	48.9	6.98	53.0	8.36	57.7	9.73	62.7	10.99	64.6	11.26	67.1	11.54	69.0	11.62
	35	108.0	48.9	8.96	53.0	10.41	57.7	12.13	62.7	13.67	64.6	14.00	67.1	14.34	69.0	14.60
		135.0	48.9	8.78	53.0	10.25	57.7	11.94	62.7	13.45	64.6	13.77	67.1	14.11	69.0	14.36
		270.0	48.9	8.09	53.0	9.59	57.7	11.17	62.7	12.58	64.6	12.86	67.1	13.20	69.0	13.43
		337.5	48.9	7.86	53.0	9.37	57.7	10.94	62.7	12.33	64.6	12.63	67.1	12.95	69.0	13.08
		405.0	48.9	7.74	53.0	9.27	57.7	10.83	62.7	12.21	64.6	12.52	67.1	12.83	69.0	12.90
	40	108.0	48.9	10.62	53.0	12.33	57.7	14.38	62.7	16.19	64.6	16.57	67.1	16.97	69.0	17.27
		135.0	48.9	10.41	53.0	12.13	57.7	14.15	62.7	15.93	64.6	16.30	67.1	16.70	69.0	17.00
		270.0	48.9	9.57	53.0	11.35	57.7	13.22	62.7	14.90	64.6	15.23	67.1	15.63	69.0	15.91
		337.5	48.9	9.30	53.0	11.10	57.7	12.95	62.7	14.59	64.6	14.95	67.1	15.34	69.0	15.50
		405.0	48.9	9.17	53.0	10.98	57.7	12.82	62.7	14.44	64.6	14.81	67.1	15.20	69.0	15.30
	45	108.0	48.9	12.27	53.0	14.25	57.7	16.63	62.7	18.71	64.6	19.14	67.1	19.59	69.0	19.95
		135.0	48.9	12.03	53.0	14.02	57.7	16.36	62.7	18.41	64.6	18.83	67.1	19.28	69.0	19.64
		270.0	48.9	11.05	53.0	13.11	57.7	15.27	62.7	17.21	64.6	17.60	67.1	18.05	69.0	18.39
		337.5	48.9	10.74	53.0	12.83	57.7	14.97	62.7	16.86	64.6	17.27	67.1	17.73	69.0	17.93
		405.0	48.9	10.59	53.0	12.69	57.7	14.82	62.7	16.68	64.6	17.10	67.1	17.57	69.0	17.69
70	10	108.0	42.8	2.66	46.3	3.12	50.5	3.63	54.9	4.08	56.5	4.16	58.7	4.26	60.4	4.35
		135.0	42.8	2.60	46.3	3.07	50.5	3.57	54.9	4.01	56.5	4.10	58.7	4.20	60.4	4.29
		270.0	42.8	2.40	46.3	2.88	50.5	3.31	54.9	3.74	56.5	3.84	58.7	3.94	60.4	4.01
		337.5	42.8	2.33	46.3	2.79	50.5	3.26	54.9	3.69	56.5	3.77	58.7	3.86	60.4	3.91
		405.0	42.8	2.30	46.3	2.75	50.5	3.23	54.9	3.66	56.5	3.74	58.7	3.81	60.4	3.86
	15	108.0	42.8	3.62	46.3	4.22	50.5	4.91	54.9	5.52	56.5	5.65	58.7	5.79	60.4	5.90
		135.0	42.8	3.55	46.3	4.15	50.5	4.83	54.9	5.43	56.5	5.56	58.7	5.70	60.4	5.81
		270.0	42.8	3.26	46.3	3.88	50.5	4.51	54.9	5.08	56.5	5.20	58.7	5.35	60.4	5.43
		337.5	42.8	3.17	46.3	3.80	50.5	4.42	54.9	4.99	56.5	5.11	58.7	5.24	60.4	5.29
		405.0	42.8	3.13	46.3	3.75	50.5	4.37	54.9	4.94	56.5	5.07	58.7	5.19	60.4	5.22
	20	108.0	42.8	4.47	46.3	5.20	50.5	6.05	54.9	6.81	56.5	6.97	58.7	7.15	60.4	7.28
		135.0	42.8	4.38	46.3	5.11	50.5	5.95	54.9	6.70	56.5	6.86	58.7	7.04	60.4	7.16
		270.0	42.8	4.03	46.3	4.78	50.5	5.58	54.9	6.27	56.5	6.41	58.7	6.59	60.4	6.70
		337.5	42.8	3.92	46.3	4.69	50.5	5.45	54.9	6.15	56.5	6.31	58.7	6.47	60.4	6.52
		405.0	42.8	3.87	46.3	4.64	50.5	5.39	54.9	6.09	56.5	6.25	58.7	6.41	60.4	6.43
	25	108.0	42.8	5.45	46.3	6.34	50.5	7.39	54.9	8.31	56.5	8.51	58.7	8.73	60.4	8.87
		135.0	42.8	5.35	46.3	6.24	50.5	7.27	54.9	8.18	56.5	8.37	58.7	8.59	60.4	8.73
		270.0	42.8	4.92	46.3	5.83	50.5	6.79	54.9	7.64	56.5	7.82	58.7	8.04	60.4	8.18
		337.5	42.8	4.78	46.3	5.70	50.5	6.65	54.9	7.50	56.5	7.68	58.7	7.88	60.4	7.96
		405.0	42.8	4.70	46.3	5.64	50.5	6.58	54.9	7.43	56.5	7.61	58.7	7.80	60.4	7.86

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Outside Units

Cooling Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	108.0	42.8	6.71	46.3	7.79	50.5	9.07	54.9	10.23	56.5	10.47	58.7	10.72	60.4	10.92
		135.0	42.8	6.57	46.3	7.66	50.5	8.93	54.9	10.07	56.5	10.30	58.7	10.55	60.4	10.74
		270.0	42.8	6.04	46.3	7.16	50.5	8.36	54.9	9.41	56.5	9.64	58.7	9.87	60.4	10.05
		337.5	42.8	5.88	46.3	7.02	50.5	8.18	54.9	9.23	56.5	9.44	58.7	9.69	60.4	9.80
		405.0	42.8	5.80	46.3	6.95	50.5	8.09	54.9	9.14	56.5	9.35	58.7	9.60	60.4	9.68
	35	108.0	42.8	7.45	46.3	8.66	50.5	10.09	54.9	11.35	56.5	11.62	58.7	11.91	60.4	12.13
		135.0	42.8	7.31	46.3	8.52	50.5	9.92	54.9	11.17	56.5	11.44	58.7	11.72	60.4	11.94
		270.0	42.8	6.72	46.3	7.96	50.5	9.28	54.9	10.46	56.5	10.71	58.7	10.98	60.4	11.17
		337.5	42.8	6.54	46.3	7.80	50.5	9.09	54.9	10.25	56.5	10.49	58.7	10.76	60.4	10.89
		405.0	42.8	6.45	46.3	7.72	50.5	8.99	54.9	10.14	56.5	10.39	58.7	10.66	60.4	10.75
	40	108.0	42.8	8.84	46.3	10.25	50.5	11.95	54.9	13.45	56.5	13.78	58.7	14.11	60.4	14.35
		135.0	42.8	8.66	46.3	10.09	50.5	11.76	54.9	13.24	56.5	13.56	58.7	13.88	60.4	14.13
		270.0	42.8	7.96	46.3	9.44	50.5	10.99	54.9	12.38	56.5	12.67	58.7	12.99	60.4	13.24
		337.5	42.8	7.73	46.3	9.23	50.5	10.76	54.9	12.13	56.5	12.44	58.7	12.76	60.4	12.88
		405.0	42.8	7.62	46.3	9.12	50.5	10.65	54.9	12.01	56.5	12.32	58.7	12.64	60.4	12.71
	45	108.0	42.8	10.22	46.3	11.84	50.5	13.82	54.9	15.56	56.5	15.95	58.7	16.30	60.4	16.58
		135.0	42.8	10.01	46.3	11.65	50.5	13.60	54.9	15.31	56.5	15.68	58.7	16.04	60.4	16.32
		270.0	42.8	9.21	46.3	10.92	50.5	12.70	54.9	14.31	56.5	14.63	58.7	15.00	60.4	15.31
		337.5	42.8	8.93	46.3	10.66	50.5	12.44	54.9	14.02	56.5	14.38	58.7	14.75	60.4	14.88
		405.0	42.8	8.79	46.3	10.52	50.5	12.30	54.9	13.88	56.5	14.26	58.7	14.63	60.4	14.67
60	10	108.0	36.7	2.13	39.7	2.45	43.3	2.89	47.0	3.24	48.5	3.33	50.3	3.39	51.7	3.49
		135.0	36.7	2.09	39.7	2.41	43.3	2.85	47.0	3.19	48.5	3.27	50.3	3.34	51.7	3.43
		270.0	36.7	1.92	39.7	2.26	43.3	2.66	47.0	2.96	48.5	3.07	50.3	3.14	51.7	3.19
		337.5	36.7	1.87	39.7	2.25	43.3	2.61	47.0	2.93	48.5	3.02	50.3	3.07	51.7	3.12
		405.0	36.7	1.84	39.7	2.24	43.3	2.58	47.0	2.92	48.5	2.99	50.3	3.03	51.7	3.09
	15	108.0	36.7	2.89	39.7	3.35	43.3	3.91	47.0	4.40	48.5	4.51	50.3	4.62	51.7	4.71
		135.0	36.7	2.83	39.7	3.30	43.3	3.85	47.0	4.33	48.5	4.44	50.3	4.54	51.7	4.63
		270.0	36.7	2.60	39.7	3.08	43.3	3.60	47.0	4.04	48.5	4.15	50.3	4.26	51.7	4.33
		337.5	36.7	2.53	39.7	3.03	43.3	3.53	47.0	3.97	48.5	4.08	50.3	4.17	51.7	4.22
		405.0	36.7	2.49	39.7	3.00	43.3	3.49	47.0	3.94	48.5	4.04	50.3	4.13	51.7	4.17
	20	108.0	36.7	3.56	39.7	4.15	43.3	4.82	47.0	5.43	48.5	5.56	50.3	5.70	51.7	5.79
		135.0	36.7	3.49	39.7	4.08	43.3	4.74	47.0	5.35	48.5	5.47	50.3	5.61	51.7	5.70
		270.0	36.7	3.21	39.7	3.81	43.3	4.44	47.0	5.01	48.5	5.11	50.3	5.26	51.7	5.35
		337.5	36.7	3.12	39.7	3.72	43.3	4.35	47.0	4.90	48.5	5.02	50.3	5.15	51.7	5.20
		405.0	36.7	3.07	39.7	3.68	43.3	4.30	47.0	4.85	48.5	4.98	50.3	5.10	51.7	5.13
	25	108.0	36.7	4.34	39.7	5.05	43.3	5.89	47.0	6.63	48.5	6.79	50.3	6.95	51.7	7.08
		135.0	36.7	4.26	39.7	4.97	43.3	5.79	47.0	6.52	48.5	6.68	50.3	6.84	51.7	6.97
		270.0	36.7	3.92	39.7	4.65	43.3	5.42	47.0	6.09	48.5	6.24	50.3	6.40	51.7	6.52
		337.5	36.7	3.81	39.7	4.54	43.3	5.31	47.0	5.97	48.5	6.13	50.3	6.29	51.7	6.34
		405.0	36.7	3.76	39.7	4.49	43.3	5.26	47.0	5.91	48.5	6.08	50.3	6.24	51.7	6.25
	30	108.0	36.7	5.34	39.7	6.21	43.3	7.24	47.0	8.15	48.5	8.35	50.3	8.55	51.7	8.71
		135.0	36.7	5.24	39.7	6.11	43.3	7.13	47.0	8.02	48.5	8.21	50.3	8.41	51.7	8.57
		270.0	36.7	4.83	39.7	5.72	43.3	6.66	47.0	7.50	48.5	7.68	50.3	7.88	51.7	8.02
		337.5	36.7	4.69	39.7	5.59	43.3	6.52	47.0	7.36	48.5	7.54	50.3	7.73	51.7	7.80
		405.0	36.7	4.62	39.7	5.53	43.3	6.45	47.0	7.29	48.5	7.47	50.3	7.66	51.7	7.70
	35	108.0	36.7	5.94	39.7	6.90	43.3	8.04	47.0	9.05	48.5	9.27	50.3	9.51	51.7	9.67
		135.0	36.7	5.83	39.7	6.79	43.3	7.91	47.0	8.91	48.5	9.12	50.3	9.35	51.7	9.51
		270.0	36.7	5.36	39.7	6.34	43.3	7.39	47.0	8.34	48.5	8.53	50.3	8.75	51.7	8.91
		337.5	36.7	5.20	39.7	6.22	43.3	7.25	47.0	8.16	48.5	8.37	50.3	8.59	51.7	8.68
		405.0	36.7	5.12	39.7	6.16	43.3	7.18	47.0	8.07	48.5	8.29	50.3	8.51	51.7	8.56
	40	108.0	36.7	7.04	39.7	8.19	43.3	9.53	47.0	10.72	48.5	10.97	50.3	11.25	51.7	11.46
		135.0	36.7	6.90	39.7	8.05	43.3	9.37	47.0	10.55	48.5	10.80	50.3	11.07	51.7	11.28
		270.0	36.7	6.34	39.7	7.52	43.3	8.77	47.0	9.87	48.5	10.10	50.3	10.35	51.7	10.55
		337.5	36.7	6.17	39.7	7.36	43.3	8.59	47.0	9.68	48.5	9.91	50.3	10.17	51.7	10.26
		405.0	36.7	6.08	39.7	7.28	43.3	8.50	47.0	9.58	48.5	9.81	50.3	10.09	51.7	10.12
	45	108.0	36.7	8.13	39.7	9.48	43.3	11.01	47.0	12.39	48.5	12.68	50.3	12.98	51.7	13.26
		135.0	36.7	7.96	39.7	9.32	43.3	10.83	47.0	12.19	48.5	12.47	50.3	12.78	51.7	13.04
		270.0	36.7	7.32	39.7	8.70	43.3	10.14	47.0	11.40	48.5	11.67	50.3	11.96	51.7	12.19
		337.5	36.7	7.13	39.7	8.50	43.3	9.92	47.0	11.19	48.5	11.44	50.3	11.76	51.7	11.85
		405.0	36.7	7.03	39.7	8.40	43.3	9.82	47.0	11.08	48.5	11.32	50.3	11.66	51.7	11.68
50	10	108.0	30.6	1.61	33.1	1.82	36.0	2.14	39.2	2.39	40.4	2.49	41.9	2.52	43.1	2.60
		135.0	30.6	1.58	33.1	1.80	36.0	2.11	39.2	2.36	40.4	2.45	41.9	2.48	43.1	2.55
		270.0	30.6	1.44	33.1	1.70	36.0	1.99	39.2	2.25	40.4	2.30	41.9	2.33	43.1	2.36
		337.5	30.6	1.39	33.1	1.68	36.0	1.96	39.2	2.18	40.4	2.23	41.9	2.30	43.1	2.33
		405.0	30.6	1.36	33.1	1.67	36.0	1.94	39.2	2.14	40.4	2.19	41.9	2.28	43.1	2.32

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.

2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	108.0	30.6	2.17	33.1	2.50	36.0	2.91	39.2	3.27	40.4	3.37	41.9	3.44	43.1	3.52
		135.0	30.6	2.12	33.1	2.46	36.0	2.87	39.2	3.23	40.4	3.31	41.9	3.39	43.1	3.46
		270.0	30.6	1.94	33.1	2.30	36.0	2.69	39.2	3.03	40.4	3.10	41.9	3.17	43.1	3.23
		337.5	30.6	1.89	33.1	2.26	36.0	2.64	39.2	2.96	40.4	3.03	41.9	3.12	43.1	3.15
		405.0	30.6	1.86	33.1	2.25	36.0	2.61	39.2	2.92	40.4	2.99	41.9	3.09	43.1	3.12
	20	108.0	30.6	2.66	33.1	3.10	36.0	3.60	39.2	4.06	40.4	4.15	41.9	4.25	43.1	4.33
		135.0	30.6	2.60	33.1	3.05	36.0	3.55	39.2	3.99	40.4	4.08	41.9	4.19	43.1	4.26
		270.0	30.6	2.39	33.1	2.83	36.0	3.31	39.2	3.72	40.4	3.81	41.9	3.92	43.1	3.99
		337.5	30.6	2.33	33.1	2.78	36.0	3.24	39.2	3.65	40.4	3.74	41.9	3.85	43.1	3.88
		405.0	30.6	2.31	33.1	2.75	36.0	3.21	39.2	3.62	40.4	3.71	41.9	3.81	43.1	3.83
	25	108.0	30.6	3.23	33.1	3.77	36.0	4.38	39.2	4.95	40.4	5.05	41.9	5.18	43.1	5.27
		135.0	30.6	3.17	33.1	3.71	36.0	4.31	39.2	4.86	40.4	4.97	41.9	5.10	43.1	5.19
		270.0	30.6	2.92	33.1	3.46	36.0	4.04	39.2	4.54	40.4	4.65	41.9	4.78	43.1	4.86
		337.5	30.6	2.83	33.1	3.39	36.0	3.96	39.2	4.45	40.4	4.56	41.9	4.69	43.1	4.74
		405.0	30.6	2.79	33.1	3.35	36.0	3.91	39.2	4.41	40.4	4.52	41.9	4.64	43.1	4.68
	30	108.0	30.6	3.98	33.1	4.64	36.0	5.40	39.2	6.09	40.4	6.23	41.9	6.37	43.1	6.48
		135.0	30.6	3.90	33.1	4.56	36.0	5.31	39.2	5.99	40.4	6.13	41.9	6.27	43.1	6.38
		270.0	30.6	3.60	33.1	4.26	36.0	4.97	39.2	5.59	40.4	5.72	41.9	5.88	43.1	5.97
		337.5	30.6	3.49	33.1	4.17	36.0	4.86	39.2	5.49	40.4	5.61	41.9	5.76	43.1	5.83
		405.0	30.6	3.44	33.1	4.13	36.0	4.81	39.2	5.43	40.4	5.56	41.9	5.69	43.1	5.76
	35	108.0	30.6	4.44	33.1	5.14	36.0	5.99	39.2	6.75	40.4	6.92	41.9	7.08	43.1	7.20
		135.0	30.6	4.35	33.1	5.06	36.0	5.90	39.2	6.65	40.4	6.81	41.9	6.97	43.1	7.09
		270.0	30.6	3.99	33.1	4.74	36.0	5.52	39.2	6.22	40.4	6.36	41.9	6.52	43.1	6.65
		337.5	30.6	3.88	33.1	4.63	36.0	5.40	39.2	6.09	40.4	6.24	41.9	6.40	43.1	6.47
		405.0	30.6	3.83	33.1	4.58	36.0	5.34	39.2	6.03	40.4	6.17	41.9	6.33	43.1	6.38
	40	108.0	30.6	5.26	33.1	6.10	36.0	7.10	39.2	8.01	40.4	8.18	41.9	8.38	43.1	8.55
		135.0	30.6	5.15	33.1	6.00	36.0	6.98	39.2	7.88	40.4	8.05	41.9	8.25	43.1	8.41
		270.0	30.6	4.72	33.1	5.61	36.0	6.54	39.2	7.36	40.4	7.54	41.9	7.73	43.1	7.86
		337.5	30.6	4.60	33.1	5.49	36.0	6.40	39.2	7.22	40.4	7.39	41.9	7.57	43.1	7.66
		405.0	30.6	4.54	33.1	5.43	36.0	6.33	39.2	7.15	40.4	7.32	41.9	7.49	43.1	7.56
	45	108.0	30.6	6.08	33.1	7.07	36.0	8.20	39.2	9.26	40.4	9.45	41.9	9.68	43.1	9.90
		135.0	30.6	5.95	33.1	6.95	36.0	8.07	39.2	9.11	40.4	9.30	41.9	9.53	43.1	9.73
		270.0	30.6	5.45	33.1	6.49	36.0	7.55	39.2	8.50	40.4	8.71	41.9	8.94	43.1	9.07
		337.5	30.6	5.31	33.1	6.34	36.0	7.39	39.2	8.34	40.4	8.55	41.9	8.75	43.1	8.86
		405.0	30.6	5.24	33.1	6.27	36.0	7.31	39.2	8.26	40.4	8.47	41.9	8.65	43.1	8.75

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(30HP)

ARWN300LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	115.6	78.1	5.38	84.6	6.28	92.0	7.32	100.0	8.22	103.1	8.41	107.1	8.66	110.1	8.80
		144.5	78.1	5.28	84.6	6.17	92.0	7.20	100.0	8.09	103.1	8.28	107.1	8.52	110.1	8.66
		289.0	78.1	4.88	84.6	5.76	92.0	6.71	100.0	7.56	103.1	7.77	107.1	7.96	110.1	8.13
		361.3	78.1	4.73	84.6	5.65	92.0	6.59	100.0	7.40	103.1	7.61	107.1	7.80	110.1	7.93
		433.5	78.1	4.66	84.6	5.59	92.0	6.53	100.0	7.32	103.1	7.53	107.1	7.72	110.1	7.83
	15	115.6	76.8	7.08	83.2	8.24	90.6	9.61	98.5	10.80	101.4	11.06	105.4	11.34	108.3	11.53
		144.5	76.8	6.94	83.2	8.11	90.6	9.45	98.5	10.63	101.4	10.88	105.4	11.16	108.3	11.36
		289.0	76.8	6.40	83.2	7.57	90.6	8.83	98.5	9.94	101.4	10.19	105.4	10.46	108.3	10.67
		361.3	76.8	6.22	83.2	7.42	90.6	8.65	98.5	9.74	101.4	9.99	105.4	10.25	108.3	10.43
		433.5	76.8	6.13	83.2	7.34	90.6	8.56	98.5	9.64	101.4	9.89	105.4	10.14	108.3	10.30
	20	115.6	75.7	8.59	82.0	9.99	89.3	11.64	97.1	13.09	100.0	13.41	103.8	13.72	106.8	13.97
		144.5	75.7	8.42	82.0	9.83	89.3	11.45	97.1	12.88	100.0	13.19	103.8	13.51	106.8	13.76
		289.0	75.7	7.74	82.0	9.19	89.3	10.71	97.1	12.05	100.0	12.35	103.8	12.68	106.8	12.94
		361.3	75.7	7.54	82.0	8.99	89.3	10.48	97.1	11.82	100.0	12.11	103.8	12.42	106.8	12.65
		433.5	75.7	7.44	82.0	8.90	89.3	10.37	97.1	11.70	100.0	12.00	103.8	12.30	106.8	12.50
	25	115.6	75.7	10.60	82.0	12.31	89.3	14.34	97.1	16.17	100.0	16.53	103.8	16.94	106.8	17.22
		144.5	75.7	10.39	82.0	12.11	89.3	14.11	97.1	15.90	100.0	16.27	103.8	16.68	106.8	16.97
		289.0	75.7	9.56	82.0	11.33	89.3	13.19	97.1	14.86	100.0	15.22	103.8	15.64	106.8	15.94
		361.3	75.7	9.28	82.0	11.08	89.3	12.93	97.1	14.57	100.0	14.94	103.8	15.33	106.8	15.59
		433.5	75.7	9.14	82.0	10.96	89.3	12.79	97.1	14.42	100.0	14.80	103.8	15.18	106.8	15.41
	30	115.6	75.7	12.73	82.0	14.77	89.3	17.21	97.1	19.39	100.0	19.85	103.8	20.33	106.8	20.67
		144.5	75.7	12.47	82.0	14.54	89.3	16.93	97.1	19.08	100.0	19.53	103.8	20.01	106.8	20.36
		289.0	75.7	11.46	82.0	13.59	89.3	15.84	97.1	17.82	100.0	18.28	103.8	18.76	106.8	19.13
		361.3	75.7	11.14	82.0	13.30	89.3	15.51	97.1	17.48	100.0	17.93	103.8	18.39	106.8	18.70
		433.5	75.7	10.98	82.0	13.16	89.3	15.35	97.1	17.31	100.0	17.76	103.8	18.20	106.8	18.48
	35	115.6	68.1	12.86	73.8	14.94	80.3	17.42	87.3	19.59	90.0	20.08	93.5	20.55	96.1	20.90
		144.5	68.1	12.60	73.8	14.70	80.3	17.13	87.3	19.28	90.0	19.76	93.5	20.23	96.1	20.59
		289.0	68.1	11.59	73.8	13.74	80.3	16.01	87.3	18.04	90.0	18.48	93.5	18.96	96.1	19.36
		361.3	68.1	11.27	73.8	13.45	80.3	15.68	87.3	17.68	90.0	18.13	93.5	18.60	96.1	18.91
		433.5	68.1	11.11	73.8	13.30	80.3	15.51	87.3	17.50	90.0	17.96	93.5	18.41	96.1	18.69
	40	115.6	60.5	13.58	65.6	15.75	71.4	18.36	77.6	20.67	80.0	21.15	83.1	21.66	85.4	22.06
		144.5	60.5	13.30	65.6	15.50	71.4	18.07	77.6	20.34	80.0	20.82	83.1	21.33	85.4	21.73
		289.0	60.5	12.22	65.6	14.50	71.4	16.90	77.6	19.02	80.0	19.50	83.1	20.01	85.4	20.41
		361.3	60.5	11.88	65.6	14.19	71.4	16.53	77.6	18.64	80.0	19.13	83.1	19.62	85.4	19.96
		433.5	60.5	11.71	65.6	14.04	71.4	16.35	77.6	18.46	80.0	18.95	83.1	19.42	85.4	19.73
	45	115.6	52.9	14.30	57.4	16.56	62.5	19.31	67.9	21.76	70.0	22.23	72.6	22.77	74.7	23.23
		144.5	52.9	14.01	57.4	16.30	62.5	19.00	67.9	21.40	70.0	21.88	72.6	22.43	74.7	22.87
		289.0	52.9	12.86	57.4	15.26	62.5	17.79	67.9	20.01	70.0	20.52	72.6	21.06	74.7	21.47
		361.3	52.9	12.49	57.4	14.93	62.5	17.39	67.9	19.61	70.0	20.13	72.6	20.64	74.7	21.00
		433.5	52.9	12.31	57.4	14.77	62.5	17.19	67.9	19.41	70.0	19.94	72.6	20.44	74.7	20.77
120	10	115.6	73.9	5.12	80.0	5.96	87.2	6.91	94.7	7.80	97.6	8.01	101.4	8.20	104.2	8.32
		144.5	73.9	5.01	80.0	5.86	87.2	6.80	94.7	7.67	97.6	7.87	101.4	8.06	104.2	8.20
		289.0	73.9	4.60	80.0	5.48	87.2	6.39	94.7	7.16	97.6	7.34	101.4	7.53	104.2	7.69
		361.3	73.9	4.47	80.0	5.32	87.2	6.24	94.7	7.01	97.6	7.21	101.4	7.40	104.2	7.52
		433.5	73.9	4.40	80.0	5.24	87.2	6.17	94.7	6.94	97.6	7.15	101.4	7.34	104.2	7.44
	15	115.6	73.0	6.79	79.1	7.89	86.2	9.17	93.6	10.34	96.5	10.59	100.2	10.84	103.0	11.03
		144.5	73.0	6.65	79.1	7.76	86.2	9.03	93.6	10.17	96.5	10.42	100.2	10.67	103.0	10.86
		289.0	73.0	6.11	79.1	7.25	86.2	8.45	93.6	9.51	96.5	9.74	100.2	9.99	103.0	10.19
		361.3	73.0	5.94	79.1	7.08	86.2	8.27	93.6	9.31	96.5	9.56	100.2	9.80	103.0	9.96
		433.5	73.0	5.86	79.1	7.00	86.2	8.19	93.6	9.22	96.5	9.47	100.2	9.71	103.0	9.85
	20	115.6	72.3	8.27	78.3	9.61	85.3	11.18	92.7	12.59	95.5	12.88	99.2	13.20	102.0	13.43
		144.5	72.3	8.11	78.3	9.45	85.3	11.00	92.7	12.39	95.5	12.68	99.2	12.99	102.0	13.22
		289.0	72.3	7.45	78.3	8.83	85.3	10.28	92.7	11.59	95.5	11.87	99.2	12.18	102.0	12.42
		361.3	72.3	7.25	78.3	8.65	85.3	10.08	92.7	11.36	95.5	11.65	99.2	11.94	102.0	12.13
		433.5	72.3	7.15	78.3	8.56	85.3	9.98	92.7	11.24	95.5	11.54	99.2	11.81	102.0	11.98
	25	115.6	72.3	10.16	78.3	11.81	85.3	13.75	92.7	15.47	95.5	15.84	99.2	16.24	102.0	16.52
		144.5	72.3	9.96	78.3	11.62	85.3	13.53	92.7	15.22	95.5	15.59	99.2	15.98	102.0	16.27
		289.0	72.3	9.16	78.3	10.85	85.3	12.65	92.7	14.25	95.5	14.59	99.2	14.97	102.0	15.27
		361.3	72.3	8.91	78.3	10.63	85.3	12.39	92.7	13.96	95.5	14.31	99.2	14.68	102.0	14.90
		433.5	72.3	8.78	78.3	10.51	85.3	12.26	92.7	13.81	95.5	14.17	99.2	14.53	102.0	14.72
	30	115.6	72.3	12.27	78.3	14.28	85.3	16.63	92.7	18.71	95.5	19.16	99.2	19.63	102.0	19.97
		144.5	72.3	12.02	78.3	14.05	85.3	16.36	92.7	18.41	95.5	18.85	99.2	19.32	102.0	19.67
		289.0	72.3	11.07	78.3	13.13	85.3	15.28	92.7	17.22	95.5	17.64	99.2	18.10	102.0	18.45
		361.3	72.3	10.76	78.3	12.85	85.3	14.97	92.7	16.88	95.5	17.31	99.2	17.76	102.0	18.02
		433.5	72.3	10.60	78.3	12.71	85.3	14.81	92.7	16.71	95.5	17.14	99.2	17.58	102.0	17.80

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	115.6	66.1	12.59	71.6	14.63	78.0	17.03	84.8	19.19	87.4	19.65	90.8	20.11	93.3	20.47
		144.5	66.1	12.34	71.6	14.39	78.0	16.76	84.8	18.88	87.4	19.33	90.8	19.80	93.3	20.16
		289.0	66.1	11.34	71.6	13.45	78.0	15.67	84.8	17.64	87.4	18.08	90.8	18.56	93.3	18.91
		361.3	66.1	11.03	71.6	13.17	78.0	15.36	84.8	17.30	87.4	17.74	90.8	18.19	93.3	18.47
		433.5	66.1	10.87	71.6	13.03	78.0	15.20	84.8	17.13	87.4	17.57	90.8	18.00	93.3	18.25
	40	115.6	60.0	13.55	65.0	15.73	70.8	18.34	77.0	20.64	79.3	21.14	82.4	21.65	84.6	22.04
		144.5	60.0	13.28	65.0	15.48	70.8	18.04	77.0	20.31	79.3	20.80	82.4	21.31	84.6	21.70
		289.0	60.0	12.22	65.0	14.48	70.8	16.87	77.0	18.99	79.3	19.45	82.4	19.96	84.6	20.35
		361.3	60.0	11.87	65.0	14.17	70.8	16.52	77.0	18.62	79.3	19.10	82.4	19.59	84.6	19.88
		433.5	60.0	11.70	65.0	14.01	70.8	16.35	77.0	18.44	79.3	18.92	82.4	19.40	84.6	19.64
	45	115.6	53.9	14.51	58.3	16.83	63.5	19.65	69.1	22.10	71.2	22.62	73.9	23.18	75.9	23.61
		144.5	53.9	14.22	58.3	16.57	63.5	19.33	69.1	21.74	71.2	22.26	73.9	22.82	75.9	23.24
		289.0	53.9	13.09	58.3	15.51	63.5	18.07	69.1	20.33	71.2	20.83	73.9	21.37	75.9	21.80
		361.3	53.9	12.72	58.3	15.17	63.5	17.69	69.1	19.94	71.2	20.46	73.9	20.99	75.9	21.28
		433.5	53.9	12.53	58.3	14.99	63.5	17.50	69.1	19.74	71.2	20.27	73.9	20.79	75.9	21.02
110	10	115.6	69.7	4.83	75.5	5.60	82.2	6.54	89.3	7.35	92.0	7.53	95.6	7.72	98.2	7.87
		144.5	69.7	4.73	75.5	5.51	82.2	6.43	89.3	7.23	92.0	7.41	95.6	7.60	98.2	7.74
		289.0	69.7	4.34	75.5	5.15	82.2	6.01	89.3	6.76	92.0	6.96	95.6	7.13	98.2	7.25
		361.3	69.7	4.23	75.5	5.05	82.2	5.87	89.3	6.66	92.0	6.79	95.6	6.99	98.2	7.06
		433.5	69.7	4.17	75.5	4.99	82.2	5.80	89.3	6.61	92.0	6.70	95.6	6.92	98.2	6.97
	15	115.6	69.3	6.47	75.0	7.52	81.7	8.76	88.8	9.87	91.5	10.10	95.0	10.35	97.7	10.54
		144.5	69.3	6.34	75.0	7.40	81.7	8.62	88.8	9.71	91.5	9.94	95.0	10.18	97.7	10.37
		289.0	69.3	5.83	75.0	6.92	81.7	8.06	88.8	9.07	91.5	9.31	95.0	9.54	97.7	9.71
		361.3	69.3	5.68	75.0	6.77	81.7	7.88	88.8	8.91	91.5	9.11	95.0	9.36	97.7	9.47
		433.5	69.3	5.60	75.0	6.70	81.7	7.79	88.8	8.82	91.5	9.02	95.0	9.27	97.7	9.35
	20	115.6	68.9	7.93	74.6	9.22	81.3	10.73	88.4	12.10	91.0	12.38	94.5	12.68	97.2	12.91
		144.5	68.9	7.77	74.6	9.07	81.3	10.56	88.4	11.90	91.0	12.18	94.5	12.48	97.2	12.70
		289.0	68.9	7.15	74.6	8.48	81.3	9.88	88.4	11.13	91.0	11.39	94.5	11.68	97.2	11.90
		361.3	68.9	6.96	74.6	8.31	81.3	9.67	88.4	10.90	91.0	11.18	94.5	11.47	97.2	11.62
		433.5	68.9	6.87	74.6	8.22	81.3	9.57	88.4	10.79	91.0	11.08	94.5	11.37	97.2	11.47
	25	115.6	68.9	9.70	74.6	11.29	81.3	13.15	88.4	14.81	91.0	15.15	94.5	15.52	97.2	15.80
		144.5	68.9	9.51	74.6	11.10	81.3	12.94	88.4	14.57	91.0	14.91	94.5	15.28	97.2	15.56
		289.0	68.9	8.76	74.6	10.38	81.3	12.10	88.4	13.62	91.0	13.96	94.5	14.31	97.2	14.58
		361.3	68.9	8.52	74.6	10.16	81.3	11.85	88.4	13.36	91.0	13.68	94.5	14.05	97.2	14.21
		433.5	68.9	8.39	74.6	10.05	81.3	11.72	88.4	13.23	91.0	13.54	94.5	13.91	97.2	14.03
	30	115.6	68.9	11.84	74.6	13.76	81.3	16.03	88.4	18.05	91.0	18.49	94.5	18.92	97.2	19.27
		144.5	68.9	11.60	74.6	13.54	81.3	15.77	88.4	17.76	91.0	18.19	94.5	18.62	97.2	18.96
		289.0	68.9	10.67	74.6	12.66	81.3	14.73	88.4	16.60	91.0	17.01	94.5	17.44	97.2	17.77
		361.3	68.9	10.38	74.6	12.39	81.3	14.45	88.4	16.28	91.0	16.68	94.5	17.11	97.2	17.33
		433.5	68.9	10.24	74.6	12.26	81.3	14.30	88.4	16.12	91.0	16.51	94.5	16.94	97.2	17.12
	35	115.6	64.2	12.32	69.5	14.31	75.7	16.66	82.3	18.77	84.8	19.21	88.1	19.68	90.6	20.04
		144.5	64.2	12.07	69.5	14.08	75.7	16.39	82.3	18.47	84.8	18.90	88.1	19.36	90.6	19.72
		289.0	64.2	11.10	69.5	13.16	75.7	15.33	82.3	17.27	84.8	17.68	88.1	18.13	90.6	18.48
		361.3	64.2	10.79	69.5	12.88	75.7	15.01	82.3	16.92	84.8	17.36	88.1	17.79	90.6	18.02
		433.5	64.2	10.64	69.5	12.74	75.7	14.85	82.3	16.75	84.8	17.20	88.1	17.62	90.6	17.79
	40	115.6	59.5	13.53	64.5	15.73	70.2	18.31	76.3	20.61	78.6	21.10	81.6	21.61	83.9	22.01
		144.5	59.5	13.26	64.5	15.47	70.2	18.01	76.3	20.28	78.6	20.76	81.6	21.27	83.9	21.67
		289.0	59.5	12.19	64.5	14.46	70.2	16.85	76.3	18.96	78.6	19.42	81.6	19.93	83.9	20.30
		361.3	59.5	11.85	64.5	14.14	70.2	16.50	76.3	18.59	78.6	19.07	81.6	19.56	83.9	19.79
		433.5	59.5	11.68	64.5	13.99	70.2	16.33	76.3	18.40	78.6	18.89	81.6	19.37	83.9	19.53
	45	115.6	54.8	14.73	59.4	17.14	64.6	19.96	70.3	22.44	72.4	23.00	75.1	23.55	77.2	23.98
		144.5	54.8	14.44	59.4	16.86	64.6	19.63	70.3	22.08	72.4	22.63	75.1	23.19	77.2	23.61
		289.0	54.8	13.28	59.4	15.75	64.6	18.36	70.3	20.66	72.4	21.16	75.1	21.73	77.2	22.12
		361.3	54.8	12.90	59.4	15.41	64.6	17.99	70.3	20.25	72.4	20.78	75.1	21.32	77.2	21.55
		433.5	54.8	12.72	59.4	15.24	64.6	17.80	70.3	20.05	72.4	20.59	75.1	21.12	77.2	21.27
100	10	115.6	65.5	4.57	70.9	5.30	77.3	6.14	84.0	6.95	86.5	7.08	89.9	7.29	92.4	7.41
		144.5	65.5	4.48	70.9	5.22	77.3	6.04	84.0	6.84	86.5	6.97	89.9	7.17	92.4	7.29
		289.0	65.5	4.12	70.9	4.87	77.3	5.65	84.0	6.39	86.5	6.53	89.9	6.69	92.4	6.82
		361.3	65.5	3.97	70.9	4.75	77.3	5.54	84.0	6.25	86.5	6.41	89.9	6.56	92.4	6.62
		433.5	65.5	3.90	70.9	4.69	77.3	5.48	84.0	6.18	86.5	6.35	89.9	6.49	92.4	6.52
	15	115.6	65.5	6.18	70.9	7.17	77.3	8.34	84.0	9.40	86.5	9.61	89.9	9.87	92.4	10.03
		144.5	65.5	6.05	70.9	7.05	77.3	8.20	84.0	9.25	86.5	9.46	89.9	9.71	92.4	9.87
		289.0	65.5	5.56	70.9	6.60	77.3	7.67	84.0	8.65	86.5	8.85	89.9	9.07	92.4	9.24
		361.3	65.5	5.40	70.9	6.45	77.3	7.52	84.0	8.47	86.5	8.68	89.9	8.91	92.4	8.99
		433.5	65.5	5.31	70.9	6.38	77.3	7.44	84.0	8.39	86.5	8.60	89.9	8.82	92.4	8.87

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	115.6	65.5	7.60	70.9	8.82	77.3	10.29	84.0	11.58	86.5	11.86	89.9	12.15	92.4	12.36
		144.5	65.5	7.45	70.9	8.68	77.3	10.13	84.0	11.39	86.5	11.67	89.9	11.96	92.4	12.17
		289.0	65.5	6.85	70.9	8.13	77.3	9.47	84.0	10.66	86.5	10.91	89.9	11.19	92.4	11.39
		361.3	65.5	6.66	70.9	7.96	77.3	9.27	84.0	10.45	86.5	10.71	89.9	10.99	92.4	11.10
		433.5	65.5	6.56	70.9	7.88	77.3	9.17	84.0	10.34	86.5	10.60	89.9	10.89	92.4	10.96
	25	115.6	65.5	9.26	70.9	10.77	77.3	12.55	84.0	14.13	86.5	14.47	89.9	14.83	92.4	15.08
		144.5	65.5	9.08	70.9	10.59	77.3	12.35	84.0	13.90	86.5	14.24	89.9	14.59	92.4	14.85
		289.0	65.5	8.36	70.9	9.91	77.3	11.54	84.0	12.99	86.5	13.31	89.9	13.65	92.4	13.90
		361.3	65.5	8.13	70.9	9.71	77.3	11.30	84.0	12.74	86.5	13.06	89.9	13.39	92.4	13.54
		433.5	65.5	8.01	70.9	9.61	77.3	11.19	84.0	12.61	86.5	12.93	89.9	13.26	92.4	13.35
	30	115.6	65.5	11.39	70.9	13.26	77.3	15.44	84.0	17.38	86.5	17.80	89.9	18.22	92.4	18.56
		144.5	65.5	11.17	70.9	13.05	77.3	15.19	84.0	17.10	86.5	17.51	89.9	17.93	92.4	18.27
		289.0	65.5	10.28	70.9	12.19	77.3	14.19	84.0	15.99	86.5	16.37	89.9	16.79	92.4	17.10
		361.3	65.5	9.99	70.9	11.94	77.3	13.90	84.0	15.68	86.5	16.07	89.9	16.48	92.4	16.65
		433.5	65.5	9.85	70.9	11.81	77.3	13.76	84.0	15.52	86.5	15.92	89.9	16.32	92.4	16.42
	35	115.6	62.3	12.03	67.4	13.98	73.4	16.28	79.8	18.34	82.2	18.78	85.4	19.24	87.8	19.59
		144.5	62.3	11.79	67.4	13.76	73.4	16.02	79.8	18.04	82.2	18.48	85.4	18.93	87.8	19.28
		289.0	62.3	10.85	67.4	12.87	73.4	14.99	79.8	16.88	82.2	17.28	85.4	17.72	87.8	18.04
		361.3	62.3	10.56	67.4	12.59	73.4	14.68	79.8	16.56	82.2	16.96	85.4	17.39	87.8	17.57
		433.5	62.3	10.42	67.4	12.45	73.4	14.52	79.8	16.40	82.2	16.80	85.4	17.22	87.8	17.33
	40	115.6	59.0	13.51	63.9	15.70	69.5	18.29	75.6	20.59	77.9	21.07	80.9	21.59	83.2	21.97
		144.5	59.0	13.24	63.9	15.45	69.5	17.99	75.6	20.25	77.9	20.73	80.9	21.24	83.2	21.62
		289.0	59.0	12.17	63.9	14.44	69.5	16.81	75.6	18.93	77.9	19.39	80.9	19.88	83.2	20.24
		361.3	59.0	11.84	63.9	14.13	69.5	16.47	75.6	18.56	77.9	19.02	80.9	19.51	83.2	19.71
		433.5	59.0	11.67	63.9	13.97	69.5	16.30	75.6	18.38	77.9	18.84	80.9	19.32	83.2	19.44
	45	115.6	55.7	14.99	60.3	17.42	65.7	20.29	71.4	22.83	73.6	23.36	76.4	23.94	78.5	24.35
		144.5	55.7	14.68	60.3	17.13	65.7	19.96	71.4	22.46	73.6	22.99	76.4	23.55	78.5	23.96
		289.0	55.7	13.49	60.3	16.00	65.7	18.64	71.4	20.99	73.6	21.50	76.4	22.03	78.5	22.44
		361.3	55.7	13.12	60.3	15.66	65.7	18.26	71.4	20.57	73.6	21.08	76.4	21.63	78.5	21.85
		433.5	55.7	12.93	60.3	15.49	65.7	18.07	71.4	20.37	73.6	20.88	76.4	21.43	78.5	21.56
90	10	115.6	59.0	3.90	63.9	4.53	69.5	5.28	75.6	5.97	77.9	6.08	80.9	6.21	83.2	6.39
		144.5	59.0	3.82	63.9	4.46	69.5	5.20	75.6	5.88	77.9	5.99	80.9	6.13	83.2	6.28
		289.0	59.0	3.53	63.9	4.19	69.5	4.88	75.6	5.50	77.9	5.62	80.9	5.78	83.2	5.88
		361.3	59.0	3.43	63.9	4.07	69.5	4.78	75.6	5.36	77.9	5.51	80.9	5.68	83.2	5.69
		433.5	59.0	3.38	63.9	4.00	69.5	4.72	75.6	5.29	77.9	5.46	80.9	5.62	83.2	5.60
	15	115.6	59.0	5.30	63.9	6.16	69.5	7.18	75.6	8.09	77.9	8.27	80.9	8.47	83.2	8.64
		144.5	59.0	5.20	63.9	6.06	69.5	7.06	75.6	7.96	77.9	8.14	80.9	8.34	83.2	8.51
		289.0	59.0	4.79	63.9	5.68	69.5	6.60	75.6	7.44	77.9	7.62	80.9	7.82	83.2	7.96
		361.3	59.0	4.65	63.9	5.54	69.5	6.48	75.6	7.28	77.9	7.47	80.9	7.67	83.2	7.74
		433.5	59.0	4.59	63.9	5.47	69.5	6.41	75.6	7.20	77.9	7.40	80.9	7.60	83.2	7.63
	20	115.6	59.0	6.55	63.9	7.61	69.5	8.86	75.6	9.98	77.9	10.22	80.9	10.48	83.2	10.65
		144.5	59.0	6.42	63.9	7.48	69.5	8.72	75.6	9.82	77.9	10.05	80.9	10.31	83.2	10.48
		289.0	59.0	5.91	63.9	7.00	69.5	8.14	75.6	9.17	77.9	9.39	80.9	9.63	83.2	9.82
		361.3	59.0	5.74	63.9	6.85	69.5	7.99	75.6	8.99	77.9	9.22	80.9	9.45	83.2	9.56
		433.5	59.0	5.66	63.9	6.78	69.5	7.91	75.6	8.91	77.9	9.13	80.9	9.36	83.2	9.43
	25	115.6	59.0	7.98	63.9	9.28	69.5	10.80	75.6	12.17	77.9	12.45	80.9	12.76	83.2	12.99
		144.5	59.0	7.82	63.9	9.13	69.5	10.63	75.6	11.97	77.9	12.25	80.9	12.56	83.2	12.78
		289.0	59.0	7.20	63.9	8.53	69.5	9.94	75.6	11.19	77.9	11.46	80.9	11.76	83.2	11.96
		361.3	59.0	7.00	63.9	8.34	69.5	9.74	75.6	10.97	77.9	11.25	80.9	11.54	83.2	11.65
		433.5	59.0	6.90	63.9	8.24	69.5	9.64	75.6	10.86	77.9	11.14	80.9	11.43	83.2	11.49
	30	115.6	59.0	9.81	63.9	11.41	69.5	13.28	75.6	14.97	77.9	15.31	80.9	15.70	83.2	15.98
		144.5	59.0	9.62	63.9	11.23	69.5	13.07	75.6	14.73	77.9	15.07	80.9	15.45	83.2	15.73
		289.0	59.0	8.85	63.9	10.48	69.5	12.22	75.6	13.76	77.9	14.10	80.9	14.45	83.2	14.71
		361.3	59.0	8.60	63.9	10.27	69.5	11.97	75.6	13.50	77.9	13.82	80.9	14.19	83.2	14.33
		433.5	59.0	8.48	63.9	10.17	69.5	11.84	75.6	13.38	77.9	13.68	80.9	14.06	83.2	14.13
	35	115.6	57.4	10.60	62.1	12.30	67.6	14.33	73.5	16.14	75.7	16.52	78.6	16.92	80.8	17.23
		144.5	57.4	10.38	62.1	12.10	67.6	14.10	73.5	15.88	75.7	16.25	78.6	16.65	80.8	16.96
		289.0	57.4	9.54	62.1	11.31	67.6	13.19	73.5	14.85	75.7	15.20	78.6	15.59	80.8	15.88
		361.3	57.4	9.28	62.1	11.08	67.6	12.91	73.5	14.56	75.7	14.93	78.6	15.30	80.8	15.46
		433.5	57.4	9.15	62.1	10.97	67.6	12.77	73.5	14.41	75.7	14.79	78.6	15.16	80.8	15.24
	40	115.6	55.7	12.17	60.3	14.13	65.7	16.46	71.4	18.55	73.6	18.98	76.4	19.44	78.5	19.79
		144.5	55.7	11.93	60.3	13.90	65.7	16.20	71.4	18.24	73.6	18.68	76.4	19.13	78.5	19.48
		289.0	55.7	10.97	60.3	13.00	65.7	15.16	71.4	17.05	73.6	17.47	76.4	17.91	78.5	18.24
		361.3	55.7	10.66	60.3	12.73	65.7	14.85	71.4	16.72	73.6	17.13	76.4	17.58	78.5	17.76
		433.5	55.7	10.50	60.3	12.59	65.7	14.69	71.4	16.56	73.6	16.97	76.4	17.42	78.5	17.51

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	115.6	54.1	13.74	58.6	15.96	63.8	18.59	69.3	20.95	71.4	21.44	74.1	21.96	76.2	22.34
		144.5	54.1	13.47	58.6	15.70	63.8	18.29	69.3	20.61	71.4	21.10	74.1	21.61	76.2	22.00
		289.0	54.1	12.40	58.6	14.69	63.8	17.12	69.3	19.26	71.4	19.74	74.1	20.23	76.2	20.61
		361.3	54.1	12.03	58.6	14.37	63.8	16.78	69.3	18.89	71.4	19.34	74.1	19.86	76.2	20.06
		433.5	54.1	11.85	58.6	14.22	63.8	16.61	69.3	18.71	71.4	19.14	74.1	19.67	76.2	19.78
80	10	115.6	52.4	3.30	56.8	3.80	61.8	4.42	67.2	5.01	69.2	5.11	71.9	5.25	73.9	5.31
		144.5	52.4	3.23	56.8	3.75	61.8	4.35	67.2	4.93	69.2	5.03	71.9	5.16	73.9	5.23
		289.0	52.4	2.95	56.8	3.53	61.8	4.09	67.2	4.59	69.2	4.71	71.9	4.80	73.9	4.90
		361.3	52.4	2.90	56.8	3.43	61.8	4.02	67.2	4.52	69.2	4.61	71.9	4.74	73.9	4.77
		433.5	52.4	2.87	56.8	3.38	61.8	3.98	67.2	4.48	69.2	4.55	71.9	4.71	73.9	4.71
	15	115.6	52.4	4.46	56.8	5.17	61.8	6.01	67.2	6.79	69.2	6.94	71.9	7.11	73.9	7.23
		144.5	52.4	4.36	56.8	5.09	61.8	5.92	67.2	6.68	69.2	6.83	71.9	7.00	73.9	7.12
		289.0	52.4	4.01	56.8	4.76	61.8	5.54	67.2	6.23	69.2	6.39	71.9	6.54	73.9	6.66
		361.3	52.4	3.91	56.8	4.65	61.8	5.43	67.2	6.12	69.2	6.26	71.9	6.43	73.9	6.48
		433.5	52.4	3.86	56.8	4.60	61.8	5.37	67.2	6.06	69.2	6.20	71.9	6.37	73.9	6.40
	20	115.6	52.4	5.48	56.8	6.38	61.8	7.43	67.2	8.36	69.2	8.57	71.9	8.76	73.9	8.94
		144.5	52.4	5.37	56.8	6.28	61.8	7.31	67.2	8.23	69.2	8.43	71.9	8.63	73.9	8.79
		289.0	52.4	4.94	56.8	5.86	61.8	6.83	67.2	7.68	69.2	7.87	71.9	8.08	73.9	8.23
		361.3	52.4	4.81	56.8	5.74	61.8	6.68	67.2	7.54	69.2	7.73	71.9	7.93	73.9	8.00
		433.5	52.4	4.74	56.8	5.68	61.8	6.61	67.2	7.47	69.2	7.66	71.9	7.85	73.9	7.89
	25	115.6	52.4	6.70	56.8	7.78	61.8	9.05	67.2	10.19	69.2	10.44	71.9	10.70	73.9	10.89
		144.5	52.4	6.56	56.8	7.65	61.8	8.91	67.2	10.03	69.2	10.27	71.9	10.53	73.9	10.71
		289.0	52.4	6.03	56.8	7.15	61.8	8.33	67.2	9.39	69.2	9.60	71.9	9.85	73.9	10.03
		361.3	52.4	5.86	56.8	7.00	61.8	8.16	67.2	9.19	69.2	9.43	71.9	9.67	73.9	9.76
		433.5	52.4	5.78	56.8	6.92	61.8	8.08	67.2	9.10	69.2	9.34	71.9	9.58	73.9	9.63
	30	115.6	52.4	8.22	56.8	9.56	61.8	11.14	67.2	12.54	69.2	12.83	71.9	13.14	73.9	13.40
		144.5	52.4	8.06	56.8	9.40	61.8	10.96	67.2	12.34	69.2	12.62	71.9	12.94	73.9	13.18
		289.0	52.4	7.42	56.8	8.79	61.8	10.25	67.2	11.54	69.2	11.82	71.9	12.11	73.9	12.34
		361.3	52.4	7.22	56.8	8.60	61.8	10.03	67.2	11.31	69.2	11.59	71.9	11.88	73.9	12.02
		433.5	52.4	7.12	56.8	8.51	61.8	9.91	67.2	11.20	69.2	11.48	71.9	11.76	73.9	11.86
	35	115.6	52.4	9.14	56.8	10.62	61.8	12.36	67.2	13.94	69.2	14.28	71.9	14.63	73.9	14.89
		144.5	52.4	8.96	56.8	10.45	61.8	12.17	67.2	13.71	69.2	14.05	71.9	14.39	73.9	14.65
		289.0	52.4	8.25	56.8	9.77	61.8	11.39	67.2	12.82	69.2	13.13	71.9	13.46	73.9	13.70
		361.3	52.4	8.02	56.8	9.56	61.8	11.16	67.2	12.57	69.2	12.88	71.9	13.22	73.9	13.34
		433.5	52.4	7.90	56.8	9.46	61.8	11.04	67.2	12.44	69.2	12.76	71.9	13.09	73.9	13.15
	40	115.6	52.4	10.83	56.8	12.59	61.8	14.66	67.2	16.51	69.2	16.90	71.9	17.31	73.9	17.61
		144.5	52.4	10.62	56.8	12.38	61.8	14.42	67.2	16.25	69.2	16.62	71.9	17.04	73.9	17.33
		289.0	52.4	9.76	56.8	11.57	61.8	13.48	67.2	15.19	69.2	15.53	71.9	15.93	73.9	16.22
		361.3	52.4	9.48	56.8	11.33	61.8	13.20	67.2	14.88	69.2	15.25	71.9	15.65	73.9	15.80
		433.5	52.4	9.34	56.8	11.21	61.8	13.06	67.2	14.72	69.2	15.10	71.9	15.50	73.9	15.59
	45	115.6	52.4	12.52	56.8	14.56	61.8	16.96	67.2	19.09	69.2	19.51	71.9	20.00	73.9	20.34
		144.5	52.4	12.27	56.8	14.32	61.8	16.68	67.2	18.78	69.2	19.20	71.9	19.68	73.9	20.02
		289.0	52.4	11.27	56.8	13.37	61.8	15.57	67.2	17.56	69.2	17.94	71.9	18.41	73.9	18.74
		361.3	52.4	10.95	56.8	13.09	61.8	15.24	67.2	17.19	69.2	17.61	71.9	18.08	73.9	18.26
		433.5	52.4	10.78	56.8	12.96	61.8	15.08	67.2	17.01	69.2	17.45	71.9	17.91	73.9	18.02
70	10	115.6	45.9	2.71	49.7	3.17	54.1	3.68	58.8	4.14	60.5	4.26	62.9	4.37	64.7	4.42
		144.5	45.9	2.66	49.7	3.12	54.1	3.61	58.8	4.08	60.5	4.19	62.9	4.30	64.7	4.35
		289.0	45.9	2.46	49.7	2.91	54.1	3.37	58.8	3.83	60.5	3.92	62.9	4.03	64.7	4.09
		361.3	45.9	2.40	49.7	2.84	54.1	3.32	58.8	3.75	60.5	3.83	62.9	3.93	64.7	3.98
		433.5	45.9	2.37	49.7	2.80	54.1	3.30	58.8	3.70	60.5	3.78	62.9	3.88	64.7	3.93
	15	115.6	45.9	3.69	49.7	4.30	54.1	5.00	58.8	5.63	60.5	5.77	62.9	5.91	64.7	6.01
		144.5	45.9	3.62	49.7	4.23	54.1	4.92	58.8	5.54	60.5	5.68	62.9	5.82	64.7	5.92
		289.0	45.9	3.33	49.7	3.95	54.1	4.60	58.8	5.19	60.5	5.31	62.9	5.45	64.7	5.54
		361.3	45.9	3.24	49.7	3.86	54.1	4.51	58.8	5.09	60.5	5.21	62.9	5.34	64.7	5.40
		433.5	45.9	3.20	49.7	3.82	54.1	4.46	58.8	5.03	60.5	5.15	62.9	5.28	64.7	5.32
	20	115.6	45.9	4.57	49.7	5.31	54.1	6.17	58.8	6.96	60.5	7.11	62.9	7.29	64.7	7.43
		144.5	45.9	4.48	49.7	5.22	54.1	6.08	58.8	6.84	60.5	7.00	62.9	7.17	64.7	7.31
		289.0	45.9	4.11	49.7	4.88	54.1	5.68	58.8	6.40	60.5	6.54	62.9	6.72	64.7	6.83
		361.3	45.9	4.00	49.7	4.77	54.1	5.56	58.8	6.28	60.5	6.43	62.9	6.60	64.7	6.65
		433.5	45.9	3.94	49.7	4.72	54.1	5.50	58.8	6.22	60.5	6.37	62.9	6.54	64.7	6.56
	25	115.6	45.9	5.56	49.7	6.47	54.1	7.52	58.8	8.48	60.5	8.68	62.9	8.89	64.7	9.05
		144.5	45.9	5.45	49.7	6.36	54.1	7.40	58.8	8.34	60.5	8.54	62.9	8.75	64.7	8.91
		289.0	45.9	5.02	49.7	5.94	54.1	6.93	58.8	7.80	60.5	7.99	62.9	8.19	64.7	8.34
		361.3	45.9	4.88	49.7	5.82	54.1	6.79	58.8	7.65	60.5	7.83	62.9	8.03	64.7	8.12
		433.5	45.9	4.80	49.7	5.76	54.1	6.71	58.8	7.58	60.5	7.75	62.9	7.94	64.7	8.00

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	115.6	45.9	6.84	49.7	7.95	54.1	9.26	58.8	10.43	60.5	10.68	62.9	10.93	64.7	11.14
		144.5	45.9	6.71	49.7	7.82	54.1	9.11	58.8	10.26	60.5	10.51	62.9	10.76	64.7	10.96
		289.0	45.9	6.16	49.7	7.31	54.1	8.52	58.8	9.59	60.5	9.83	62.9	10.07	64.7	10.25
		361.3	45.9	6.00	49.7	7.16	54.1	8.34	58.8	9.40	60.5	9.64	62.9	9.88	64.7	9.99
		433.5	45.9	5.91	49.7	7.09	54.1	8.25	58.8	9.31	60.5	9.55	62.9	9.79	64.7	9.87
	35	115.6	45.9	7.60	49.7	8.82	54.1	10.30	58.8	11.58	60.5	11.86	62.9	12.15	64.7	12.36
		144.5	45.9	7.45	49.7	8.68	54.1	10.13	58.8	11.39	60.5	11.67	62.9	11.96	64.7	12.17
		289.0	45.9	6.85	49.7	8.13	54.1	9.46	58.8	10.66	60.5	10.91	62.9	11.19	64.7	11.39
		361.3	45.9	6.66	49.7	7.95	54.1	9.27	58.8	10.45	60.5	10.71	62.9	10.98	64.7	11.10
		433.5	45.9	6.56	49.7	7.86	54.1	9.18	58.8	10.34	60.5	10.60	62.9	10.88	64.7	10.96
	40	115.6	45.9	9.01	49.7	10.45	54.1	12.19	58.8	13.73	60.5	14.05	62.9	14.39	64.7	14.64
		144.5	45.9	8.83	49.7	10.28	54.1	11.99	58.8	13.50	60.5	13.82	62.9	14.16	64.7	14.41
		289.0	45.9	8.12	49.7	9.63	54.1	11.22	58.8	12.62	60.5	12.93	62.9	13.25	64.7	13.50
		361.3	45.9	7.88	49.7	9.42	54.1	10.97	58.8	12.37	60.5	12.68	62.9	13.02	64.7	13.14
		433.5	45.9	7.77	49.7	9.31	54.1	10.85	58.8	12.24	60.5	12.56	62.9	12.90	64.7	12.95
	45	115.6	45.9	10.41	49.7	12.07	54.1	14.08	58.8	15.87	60.5	16.24	62.9	16.62	64.7	16.92
		144.5	45.9	10.20	49.7	11.88	54.1	13.86	58.8	15.61	60.5	15.98	62.9	16.36	64.7	16.66
		289.0	45.9	9.38	49.7	11.12	54.1	12.97	58.8	14.59	60.5	14.94	62.9	15.30	64.7	15.61
		361.3	45.9	9.11	49.7	10.89	54.1	12.67	58.8	14.29	60.5	14.66	62.9	15.05	64.7	15.17
		433.5	45.9	8.97	49.7	10.77	54.1	12.51	58.8	14.14	60.5	14.51	62.9	14.92	64.7	14.94
60	10	115.6	39.3	2.17	42.6	2.51	46.4	2.92	50.4	3.32	51.9	3.40	53.9	3.46	55.4	3.53
		144.5	39.3	2.12	42.6	2.47	46.4	2.88	50.4	3.26	51.9	3.35	53.9	3.41	55.4	3.48
		289.0	39.3	1.95	42.6	2.31	46.4	2.71	50.4	3.03	51.9	3.12	53.9	3.21	55.4	3.26
		361.3	39.3	1.88	42.6	2.29	46.4	2.66	50.4	2.99	51.9	3.06	53.9	3.13	55.4	3.18
		433.5	39.3	1.85	42.6	2.28	46.4	2.64	50.4	2.97	51.9	3.04	53.9	3.09	55.4	3.15
	15	115.6	39.3	2.95	42.6	3.42	46.4	3.98	50.4	4.49	51.9	4.61	53.9	4.70	55.4	4.79
		144.5	39.3	2.89	42.6	3.37	46.4	3.92	50.4	4.42	51.9	4.53	53.9	4.63	55.4	4.72
		289.0	39.3	2.65	42.6	3.14	46.4	3.68	50.4	4.13	51.9	4.23	53.9	4.34	55.4	4.42
		361.3	39.3	2.57	42.6	3.09	46.4	3.60	50.4	4.05	51.9	4.15	53.9	4.25	55.4	4.31
		433.5	39.3	2.54	42.6	3.06	46.4	3.56	50.4	4.01	51.9	4.11	53.9	4.21	55.4	4.25
	20	115.6	39.3	3.64	42.6	4.24	46.4	4.92	50.4	5.54	51.9	5.68	53.9	5.81	55.4	5.91
		144.5	39.3	3.57	42.6	4.17	46.4	4.84	50.4	5.45	51.9	5.59	53.9	5.72	55.4	5.82
		289.0	39.3	3.28	42.6	3.89	46.4	4.53	50.4	5.11	51.9	5.22	53.9	5.35	55.4	5.45
		361.3	39.3	3.19	42.6	3.80	46.4	4.43	50.4	5.00	51.9	5.12	53.9	5.25	55.4	5.31
		433.5	39.3	3.14	42.6	3.75	46.4	4.38	50.4	4.94	51.9	5.07	53.9	5.20	55.4	5.24
	25	115.6	39.3	4.43	42.6	5.16	46.4	6.01	50.4	6.76	51.9	6.92	53.9	7.08	55.4	7.22
		144.5	39.3	4.34	42.6	5.08	46.4	5.91	50.4	6.65	51.9	6.80	53.9	6.97	55.4	7.11
		289.0	39.3	4.00	42.6	4.74	46.4	5.52	50.4	6.22	51.9	6.36	53.9	6.53	55.4	6.65
		361.3	39.3	3.89	42.6	4.63	46.4	5.41	50.4	6.08	51.9	6.25	53.9	6.40	55.4	6.48
		433.5	39.3	3.83	42.6	4.57	46.4	5.35	50.4	6.02	51.9	6.20	53.9	6.34	55.4	6.39
	30	115.6	39.3	5.45	42.6	6.33	46.4	7.38	50.4	8.30	51.9	8.51	53.9	8.71	55.4	8.88
		144.5	39.3	5.34	42.6	6.23	46.4	7.26	50.4	8.17	51.9	8.37	53.9	8.57	55.4	8.74
		289.0	39.3	4.92	42.6	5.83	46.4	6.80	50.4	7.65	51.9	7.83	53.9	8.03	55.4	8.17
		361.3	39.3	4.77	42.6	5.71	46.4	6.65	50.4	7.51	51.9	7.68	53.9	7.88	55.4	7.96
		433.5	39.3	4.70	42.6	5.65	46.4	6.58	50.4	7.43	51.9	7.61	53.9	7.81	55.4	7.86
	35	115.6	39.3	6.06	42.6	7.05	46.4	8.21	50.4	9.23	51.9	9.46	53.9	9.70	55.4	9.86
		144.5	39.3	5.94	42.6	6.93	46.4	8.07	50.4	9.08	51.9	9.31	53.9	9.54	55.4	9.71
		289.0	39.3	5.46	42.6	6.48	46.4	7.54	50.4	8.51	51.9	8.71	53.9	8.92	55.4	9.08
		361.3	39.3	5.31	42.6	6.34	46.4	7.40	50.4	8.33	51.9	8.54	53.9	8.76	55.4	8.85
		433.5	39.3	5.23	42.6	6.27	46.4	7.32	50.4	8.24	51.9	8.45	53.9	8.69	55.4	8.73
	40	115.6	39.3	7.17	42.6	8.34	46.4	9.72	50.4	10.94	51.9	11.20	53.9	11.46	55.4	11.69
		144.5	39.3	7.03	42.6	8.20	46.4	9.56	50.4	10.76	51.9	11.02	53.9	11.28	55.4	11.50
		289.0	39.3	6.48	42.6	7.67	46.4	8.94	50.4	10.06	51.9	10.31	53.9	10.56	55.4	10.76
		361.3	39.3	6.28	42.6	7.51	46.4	8.76	50.4	9.86	51.9	10.11	53.9	10.37	55.4	10.47
		433.5	39.3	6.19	42.6	7.42	46.4	8.67	50.4	9.76	51.9	10.01	53.9	10.27	55.4	10.33
	45	115.6	39.3	8.27	42.6	9.63	46.4	11.23	50.4	12.65	51.9	12.94	53.9	13.23	55.4	13.52
		144.5	39.3	8.12	42.6	9.48	46.4	11.05	50.4	12.44	51.9	12.73	53.9	13.02	55.4	13.30
		289.0	39.3	7.49	42.6	8.87	46.4	10.34	50.4	11.61	51.9	11.90	53.9	12.21	55.4	12.44
		361.3	39.3	7.26	42.6	8.67	46.4	10.13	50.4	11.39	51.9	11.67	53.9	11.98	55.4	12.10
		433.5	39.3	7.15	42.6	8.57	46.4	10.02	50.4	11.28	51.9	11.56	53.9	11.86	55.4	11.92
50	10	115.6	32.8	1.62	35.5	1.86	38.6	2.21	42.0	2.45	43.3	2.52	44.9	2.59	46.2	2.64
		144.5	32.8	1.59	35.5	1.84	38.6	2.18	42.0	2.41	43.3	2.48	44.9	2.54	46.2	2.59
		289.0	32.8	1.45	35.5	1.73	38.6	2.03	42.0	2.29	43.3	2.36	44.9	2.37	46.2	2.41
		361.3	32.8	1.41	35.5	1.72	38.6	1.99	42.0	2.22	43.3	2.26	44.9	2.34	46.2	2.35
		433.5	32.8	1.39	35.5	1.72	38.6	1.96	42.0	2.19	43.3	2.21	44.9	2.32	46.2	2.32

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	115.6	32.8	2.20	35.5	2.55	38.6	2.98	42.0	3.34	43.3	3.43	44.9	3.51	46.2	3.58
		144.5	32.8	2.15	35.5	2.51	38.6	2.93	42.0	3.29	43.3	3.37	44.9	3.45	46.2	3.52
		289.0	32.8	1.98	35.5	2.34	38.6	2.74	42.0	3.09	43.3	3.17	44.9	3.23	46.2	3.29
		361.3	32.8	1.92	35.5	2.31	38.6	2.69	42.0	3.02	43.3	3.09	44.9	3.17	46.2	3.21
		433.5	32.8	1.89	35.5	2.29	38.6	2.66	42.0	2.99	43.3	3.05	44.9	3.15	46.2	3.17
	20	115.6	32.8	2.71	35.5	3.17	38.6	3.67	42.0	4.13	43.3	4.24	44.9	4.33	46.2	4.41
		144.5	32.8	2.65	35.5	3.11	38.6	3.61	42.0	4.06	43.3	4.17	44.9	4.26	46.2	4.34
		289.0	32.8	2.45	35.5	2.89	38.6	3.37	42.0	3.80	43.3	3.89	44.9	4.00	46.2	4.06
		361.3	32.8	2.38	35.5	2.83	38.6	3.31	42.0	3.73	43.3	3.82	44.9	3.92	46.2	3.97
		433.5	32.8	2.34	35.5	2.80	38.6	3.28	42.0	3.70	43.3	3.79	44.9	3.88	46.2	3.92
	25	115.6	32.8	3.29	35.5	3.84	38.6	4.47	42.0	5.05	43.3	5.16	44.9	5.28	46.2	5.37
		144.5	32.8	3.23	35.5	3.77	38.6	4.40	42.0	4.96	43.3	5.08	44.9	5.20	46.2	5.28
		289.0	32.8	2.97	35.5	3.53	38.6	4.12	42.0	4.63	43.3	4.74	44.9	4.86	46.2	4.96
		361.3	32.8	2.89	35.5	3.45	38.6	4.03	42.0	4.54	43.3	4.65	44.9	4.77	46.2	4.83
		433.5	32.8	2.84	35.5	3.41	38.6	3.99	42.0	4.50	43.3	4.61	44.9	4.73	46.2	4.76
	30	115.6	32.8	4.07	35.5	4.73	38.6	5.51	42.0	6.21	43.3	6.36	44.9	6.50	46.2	6.61
		144.5	32.8	3.99	35.5	4.65	38.6	5.42	42.0	6.11	43.3	6.25	44.9	6.40	46.2	6.51
		289.0	32.8	3.66	35.5	4.34	38.6	5.06	42.0	5.71	43.3	5.83	44.9	6.00	46.2	6.08
		361.3	32.8	3.57	35.5	4.25	38.6	4.96	42.0	5.60	43.3	5.73	44.9	5.88	46.2	5.94
		433.5	32.8	3.52	35.5	4.21	38.6	4.92	42.0	5.54	43.3	5.68	44.9	5.82	46.2	5.87
	35	115.6	32.8	4.52	35.5	5.25	38.6	6.12	42.0	6.88	43.3	7.05	44.9	7.22	46.2	7.34
		144.5	32.8	4.43	35.5	5.16	38.6	6.02	42.0	6.77	43.3	6.94	44.9	7.11	46.2	7.23
		289.0	32.8	4.08	35.5	4.83	38.6	5.63	42.0	6.34	43.3	6.48	44.9	6.65	46.2	6.77
		361.3	32.8	3.97	35.5	4.73	38.6	5.51	42.0	6.22	43.3	6.36	44.9	6.53	46.2	6.60
		433.5	32.8	3.91	35.5	4.68	38.6	5.45	42.0	6.16	43.3	6.30	44.9	6.47	46.2	6.51
	40	115.6	32.8	5.36	35.5	6.22	38.6	7.25	42.0	8.16	43.3	8.35	44.9	8.55	46.2	8.71
		144.5	32.8	5.25	35.5	6.12	38.6	7.13	42.0	8.03	43.3	8.22	44.9	8.42	46.2	8.57
		289.0	32.8	4.82	35.5	5.72	38.6	6.66	42.0	7.51	43.3	7.68	44.9	7.88	46.2	8.02
		361.3	32.8	4.69	35.5	5.60	38.6	6.53	42.0	7.36	43.3	7.54	44.9	7.73	46.2	7.80
		433.5	32.8	4.62	35.5	5.54	38.6	6.47	42.0	7.29	43.3	7.47	44.9	7.65	46.2	7.70
	45	115.6	32.8	6.20	35.5	7.19	38.6	8.38	42.0	9.44	43.3	9.65	44.9	9.88	46.2	10.08
		144.5	32.8	6.08	35.5	7.07	38.6	8.24	42.0	9.28	43.3	9.50	44.9	9.73	46.2	9.91
		289.0	32.8	5.56	35.5	6.60	38.6	7.69	42.0	8.67	43.3	8.88	44.9	9.11	46.2	9.26
		361.3	32.8	5.41	35.5	6.46	38.6	7.55	42.0	8.51	43.3	8.72	44.9	8.93	46.2	9.01
		433.5	32.8	5.33	35.5	6.39	38.6	7.48	42.0	8.42	43.3	8.63	44.9	8.84	46.2	8.89

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(32HP)

ARWN320LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	123.2	83.3	5.89	90.2	6.88	98.2	8.03	106.7	9.01	110.0	9.22	114.2	9.49	117.5	9.64
		154.0	83.3	5.78	90.2	6.77	98.2	7.90	106.7	8.87	110.0	9.08	114.2	9.34	117.5	9.50
		308.0	83.3	5.36	90.2	6.31	98.2	7.36	106.7	8.29	110.0	8.52	114.2	8.72	117.5	8.91
		385.0	83.3	5.19	90.2	6.19	98.2	7.23	106.7	8.11	110.0	8.34	114.2	8.55	117.5	8.69
		462.0	83.3	5.11	90.2	6.13	98.2	7.16	106.7	8.02	110.0	8.25	114.2	8.47	117.5	8.58
	15	123.2	81.9	7.76	88.7	9.04	96.6	10.53	105.0	11.84	108.2	12.12	112.4	12.43	115.6	12.65
		154.0	81.9	7.61	88.7	8.89	96.6	10.36	105.0	11.65	108.2	11.93	112.4	12.24	115.6	12.46
		308.0	81.9	7.01	88.7	8.30	96.6	9.68	105.0	10.89	108.2	11.18	112.4	11.46	115.6	11.70
		385.0	81.9	6.82	88.7	8.13	96.6	9.48	105.0	10.68	108.2	10.96	112.4	11.24	115.6	11.43
		462.0	81.9	6.72	88.7	8.05	96.6	9.39	105.0	10.57	108.2	10.85	112.4	11.12	115.6	11.29
	20	123.2	80.7	9.42	87.4	10.95	95.2	12.76	103.5	14.35	106.6	14.70	110.7	15.04	113.9	15.31
		154.0	80.7	9.23	87.4	10.77	95.2	12.55	103.5	14.12	106.6	14.46	110.7	14.81	113.9	15.08
		308.0	80.7	8.48	87.4	10.07	95.2	11.74	103.5	13.21	106.6	13.53	110.7	13.90	113.9	14.18
		385.0	80.7	8.27	87.4	9.86	95.2	11.49	103.5	12.95	106.6	13.28	110.7	13.62	113.9	13.87
		462.0	80.7	8.16	87.4	9.76	95.2	11.37	103.5	12.83	106.6	13.15	110.7	13.48	113.9	13.71
	25	123.2	80.7	11.62	87.4	13.50	95.2	15.72	103.5	17.72	106.6	18.13	110.7	18.57	113.9	18.88
		154.0	80.7	11.39	87.4	13.28	95.2	15.47	103.5	17.43	106.6	17.84	110.7	18.28	113.9	18.60
		308.0	80.7	10.48	87.4	12.42	95.2	14.46	103.5	16.29	106.6	16.69	110.7	17.14	113.9	17.48
		385.0	80.7	10.18	87.4	12.15	95.2	14.17	103.5	15.97	106.6	16.38	110.7	16.81	113.9	17.09
		462.0	80.7	10.02	87.4	12.01	95.2	14.03	103.5	15.81	106.6	16.23	110.7	16.64	113.9	16.90
	30	123.2	80.7	13.95	87.4	16.20	95.2	18.87	103.5	21.26	106.6	21.76	110.7	22.29	113.9	22.67
		154.0	80.7	13.67	87.4	15.93	95.2	18.56	103.5	20.91	106.6	21.41	110.7	21.94	113.9	22.32
		308.0	80.7	12.56	87.4	14.90	95.2	17.36	103.5	19.54	106.6	20.04	110.7	20.56	113.9	20.97
		385.0	80.7	12.21	87.4	14.58	95.2	17.00	103.5	19.16	106.6	19.66	110.7	20.16	113.9	20.50
		462.0	80.7	12.03	87.4	14.43	95.2	16.82	103.5	18.97	106.6	19.47	110.7	19.96	113.9	20.26
	35	123.2	72.7	14.09	78.7	16.38	85.7	19.09	93.1	21.48	96.0	22.01	99.7	22.54	102.5	22.91
		154.0	72.7	13.81	78.7	16.12	85.7	18.78	93.1	21.13	96.0	21.66	99.7	22.18	102.5	22.57
		308.0	72.7	12.71	78.7	15.07	85.7	17.56	93.1	19.77	96.0	20.26	99.7	20.79	102.5	21.22
		385.0	72.7	12.36	78.7	14.74	85.7	17.19	93.1	19.38	96.0	19.88	99.7	20.39	102.5	20.73
		462.0	72.7	12.18	78.7	14.58	85.7	17.00	93.1	19.18	96.0	19.69	99.7	20.19	102.5	20.48
	40	123.2	64.6	14.88	70.0	17.27	76.2	20.13	82.8	22.66	85.3	23.19	88.6	23.75	91.1	24.19
		154.0	64.6	14.58	70.0	17.00	76.2	19.81	82.8	22.30	85.3	22.82	88.6	23.39	91.1	23.82
		308.0	64.6	13.40	70.0	15.90	76.2	18.53	82.8	20.85	85.3	21.38	88.6	21.94	91.1	22.38
		385.0	64.6	13.02	70.0	15.56	76.2	18.13	82.8	20.44	85.3	20.97	88.6	21.51	91.1	21.88
		462.0	64.6	12.84	70.0	15.39	76.2	17.92	82.8	20.23	85.3	20.77	88.6	21.29	91.1	21.63
	45	123.2	56.5	15.67	61.2	18.16	66.6	21.17	72.4	23.85	74.7	24.37	77.5	24.96	79.7	25.47
		154.0	56.5	15.36	61.2	17.87	66.6	20.83	72.4	23.46	74.7	23.99	77.5	24.59	79.7	25.08
		308.0	56.5	14.09	61.2	16.73	66.6	19.50	72.4	21.93	74.7	22.50	77.5	23.09	79.7	23.53
		385.0	56.5	13.69	61.2	16.37	66.6	19.06	72.4	21.50	74.7	22.07	77.5	22.63	79.7	23.03
		462.0	56.5	13.49	61.2	16.19	66.6	18.84	72.4	21.29	74.7	21.86	77.5	22.40	79.7	22.77
120	10	123.2	78.8	5.61	85.3	6.54	93.0	7.57	101.0	8.55	104.1	8.78	108.2	8.99	111.1	9.12
		154.0	78.8	5.50	85.3	6.43	93.0	7.46	101.0	8.41	104.1	8.63	108.2	8.84	111.1	8.98
		308.0	78.8	5.04	85.3	6.01	93.0	7.01	101.0	7.85	104.1	8.04	108.2	8.25	111.1	8.43
		385.0	78.8	4.90	85.3	5.83	93.0	6.84	101.0	7.69	104.1	7.91	108.2	8.11	111.1	8.25
		462.0	78.8	4.82	85.3	5.75	93.0	6.76	101.0	7.61	104.1	7.84	108.2	8.04	111.1	8.16
	15	123.2	77.9	7.44	84.4	8.65	91.9	10.06	99.9	11.33	102.9	11.61	106.9	11.89	109.9	12.09
		154.0	77.9	7.29	84.4	8.51	91.9	9.90	99.9	11.15	102.9	11.42	106.9	11.70	109.9	11.90
		308.0	77.9	6.70	84.4	7.95	91.9	9.26	99.9	10.42	102.9	10.68	106.9	10.96	109.9	11.18
		385.0	77.9	6.51	84.4	7.77	91.9	9.07	99.9	10.21	102.9	10.48	106.9	10.75	109.9	10.92
		462.0	77.9	6.42	84.4	7.67	91.9	8.98	99.9	10.11	102.9	10.39	106.9	10.64	109.9	10.79
	20	123.2	77.1	9.07	83.5	10.53	91.0	12.26	98.9	13.81	101.8	14.12	105.8	14.47	108.8	14.72
		154.0	77.1	8.89	83.5	10.36	91.0	12.06	98.9	13.59	101.8	13.90	105.8	14.24	108.8	14.50
		308.0	77.1	8.17	83.5	9.68	91.0	11.27	98.9	12.71	101.8	13.02	105.8	13.36	108.8	13.61
		385.0	77.1	7.95	83.5	9.48	91.0	11.05	98.9	12.46	101.8	12.77	105.8	13.09	108.8	13.30
		462.0	77.1	7.84	83.5	9.39	91.0	10.94	98.9	12.33	101.8	12.65	105.8	12.95	108.8	13.14
	25	123.2	77.1	11.14	83.5	12.95	91.0	15.07	98.9	16.96	101.8	17.37	105.8	17.80	108.8	18.11
		154.0	77.1	10.92	83.5	12.74	91.0	14.83	98.9	16.69	101.8	17.09	105.8	17.52	108.8	17.84
		308.0	77.1	10.04	83.5	11.89	91.0	13.87	98.9	15.62	101.8	16.00	105.8	16.41	108.8	16.74
		385.0	77.1	9.76	83.5	11.65	91.0	13.59	98.9	15.30	101.8	15.69	105.8	16.09	108.8	16.34
		462.0	77.1	9.62	83.5	11.53	91.0	13.45	98.9	15.15	101.8	15.54	105.8	15.93	108.8	16.14
	30	123.2	77.1	13.45	83.5	15.65	91.0	18.23	98.9	20.52	101.8	21.00	105.8	21.52	108.8	21.90
		154.0	77.1	13.18	83.5	15.40	91.0	17.93	98.9	20.19	101.8	20.67	105.8	21.18	108.8	21.56
		308.0	77.1	12.14	83.5	14.39	91.0	16.75	98.9	18.88	101.8	19.34	105.8	19.84	108.8	20.23
		385.0	77.1	11.80	83.5	14.09	91.0	16.41	98.9	18.50	101.8	18.98	105.8	19.47	108.8	19.76
		462.0	77.1	11.63	83.5	13.93	91.0	16.24	98.9	18.31	101.8	18.79	105.8	19.28	108.8	19.52

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	123.2	70.5	13.80	76.4	16.04	83.2	18.67	90.5	21.04	93.2	21.54	96.8	22.05	99.5	22.44
		154.0	70.5	13.52	76.4	15.78	83.2	18.37	90.5	20.69	93.2	21.19	96.8	21.70	99.5	22.10
		308.0	70.5	12.43	76.4	14.74	83.2	17.18	90.5	19.34	93.2	19.82	96.8	20.34	99.5	20.73
		385.0	70.5	12.09	76.4	14.44	83.2	16.84	90.5	18.97	93.2	19.45	96.8	19.94	99.5	20.25
		462.0	70.5	11.92	76.4	14.28	83.2	16.67	90.5	18.78	93.2	19.27	96.8	19.74	99.5	20.01
	40	123.2	64.0	14.85	69.3	17.25	75.5	20.11	82.1	22.63	84.6	23.17	87.8	23.73	90.3	24.16
		154.0	64.0	14.56	69.3	16.97	75.5	19.78	82.1	22.26	84.6	22.80	87.8	23.36	90.3	23.79
		308.0	64.0	13.39	69.3	15.87	75.5	18.49	82.1	20.82	84.6	21.33	87.8	21.89	90.3	22.32
		385.0	64.0	13.02	69.3	15.53	75.5	18.12	82.1	20.41	84.6	20.94	87.8	21.47	90.3	21.79
		462.0	64.0	12.83	69.3	15.36	75.5	17.93	82.1	20.21	84.6	20.75	87.8	21.27	90.3	21.53
	45	123.2	57.5	15.91	62.2	18.45	67.8	21.54	73.7	24.22	75.9	24.80	78.9	25.42	81.0	25.88
		154.0	57.5	15.59	62.2	18.16	67.8	21.19	73.7	23.83	75.9	24.40	78.9	25.02	81.0	25.48
		308.0	57.5	14.36	62.2	17.00	67.8	19.81	73.7	22.29	75.9	22.83	78.9	23.43	81.0	23.90
		385.0	57.5	13.94	62.2	16.63	67.8	19.40	73.7	21.86	75.9	22.43	78.9	23.01	81.0	23.33
		462.0	57.5	13.74	62.2	16.44	67.8	19.19	73.7	21.64	75.9	22.23	78.9	22.80	81.0	23.05
110	10	123.2	74.4	5.29	80.6	6.13	87.7	7.17	95.3	8.06	98.1	8.25	102.0	8.47	104.8	8.63
		154.0	74.4	5.19	80.6	6.04	87.7	7.05	95.3	7.93	98.1	8.12	102.0	8.34	104.8	8.49
		308.0	74.4	4.76	80.6	5.65	87.7	6.59	95.3	7.41	98.1	7.63	102.0	7.81	104.8	7.95
		385.0	74.4	4.64	80.6	5.53	87.7	6.43	95.3	7.30	98.1	7.44	102.0	7.66	104.8	7.74
		462.0	74.4	4.57	80.6	5.47	87.7	6.36	95.3	7.24	98.1	7.34	102.0	7.58	104.8	7.64
	15	123.2	73.9	7.09	80.0	8.24	87.2	9.60	94.7	10.82	97.6	11.07	101.4	11.35	104.2	11.55
		154.0	73.9	6.95	80.0	8.11	87.2	9.45	94.7	10.64	97.6	10.89	101.4	11.17	104.2	11.37
		308.0	73.9	6.39	80.0	7.58	87.2	8.84	94.7	9.95	97.6	10.20	101.4	10.46	104.2	10.65
		385.0	73.9	6.22	80.0	7.42	87.2	8.64	94.7	9.76	97.6	9.99	101.4	10.26	104.2	10.39
		462.0	73.9	6.14	80.0	7.34	87.2	8.55	94.7	9.67	97.6	9.89	101.4	10.17	104.2	10.25
	20	123.2	73.5	8.69	79.6	10.11	86.7	11.77	94.3	13.27	97.1	13.58	100.8	13.90	103.7	14.15
		154.0	73.5	8.52	79.6	9.95	86.7	11.58	94.3	13.05	97.1	13.36	100.8	13.68	103.7	13.93
		308.0	73.5	7.84	79.6	9.30	86.7	10.83	94.3	12.20	97.1	12.49	100.8	12.81	103.7	13.05
		385.0	73.5	7.63	79.6	9.11	86.7	10.61	94.3	11.96	97.1	12.26	100.8	12.58	103.7	12.74
		462.0	73.5	7.53	79.6	9.01	86.7	10.49	94.3	11.83	97.1	12.15	100.8	12.46	103.7	12.58
	25	123.2	73.5	10.64	79.6	12.37	86.7	14.41	94.3	16.23	97.1	16.61	100.8	17.02	103.7	17.33
		154.0	73.5	10.43	79.6	12.17	86.7	14.18	94.3	15.97	97.1	16.35	100.8	16.75	103.7	17.06
		308.0	73.5	9.61	79.6	11.39	86.7	13.27	94.3	14.94	97.1	15.30	100.8	15.69	103.7	15.99
		385.0	73.5	9.33	79.6	11.14	86.7	12.99	94.3	14.65	97.1	15.00	100.8	15.40	103.7	15.58
		462.0	73.5	9.20	79.6	11.02	86.7	12.85	94.3	14.50	97.1	14.84	100.8	15.26	103.7	15.38
	30	123.2	73.5	12.98	79.6	15.08	86.7	17.57	94.3	19.79	97.1	20.27	100.8	20.74	103.7	21.12
		154.0	73.5	12.72	79.6	14.84	86.7	17.28	94.3	19.47	97.1	19.94	100.8	20.41	103.7	20.79
		308.0	73.5	11.70	79.6	13.88	86.7	16.15	94.3	18.20	97.1	18.65	100.8	19.13	103.7	19.48
		385.0	73.5	11.39	79.6	13.59	86.7	15.84	94.3	17.85	97.1	18.28	100.8	18.76	103.7	19.00
		462.0	73.5	11.23	79.6	13.44	86.7	15.68	94.3	17.67	97.1	18.10	100.8	18.57	103.7	18.77
	35	123.2	68.5	13.50	74.2	15.69	80.8	18.26	87.8	20.58	90.4	21.06	94.0	21.57	96.6	21.97
		154.0	68.5	13.24	74.2	15.44	80.8	17.97	87.8	20.25	90.4	20.72	94.0	21.23	96.6	21.62
		308.0	68.5	12.17	74.2	14.43	80.8	16.81	87.8	18.93	90.4	19.38	94.0	19.88	96.6	20.26
		385.0	68.5	11.83	74.2	14.12	80.8	16.46	87.8	18.56	90.4	19.03	94.0	19.50	96.6	19.76
		462.0	68.5	11.66	74.2	13.97	80.8	16.28	87.8	18.37	90.4	18.85	94.0	19.31	96.6	19.51
	40	123.2	63.5	14.83	68.8	17.24	74.8	20.07	81.4	22.59	83.8	23.13	87.1	23.70	89.5	24.13
		154.0	63.5	14.53	68.8	16.96	74.8	19.75	81.4	22.23	83.8	22.76	87.1	23.32	89.5	23.75
		308.0	63.5	13.37	68.8	15.85	74.8	18.47	81.4	20.79	83.8	21.29	87.1	21.85	89.5	22.25
		385.0	63.5	12.99	68.8	15.51	74.8	18.09	81.4	20.38	83.8	20.90	87.1	21.44	89.5	21.69
		462.0	63.5	12.80	68.8	15.33	74.8	17.90	81.4	20.17	83.8	20.71	87.1	21.23	89.5	21.41
	45	123.2	58.4	16.15	63.3	18.79	68.9	21.88	75.0	24.60	77.2	25.21	80.2	25.82	82.4	26.29
		154.0	58.4	15.83	63.3	18.49	68.9	21.53	75.0	24.21	77.2	24.81	80.2	25.42	82.4	25.88
		308.0	58.4	14.56	63.3	17.27	68.9	20.12	75.0	22.65	77.2	23.20	80.2	23.82	82.4	24.25
		385.0	58.4	14.15	63.3	16.89	68.9	19.72	75.0	22.20	77.2	22.78	80.2	23.38	82.4	23.63
		462.0	58.4	13.94	63.3	16.70	68.9	19.52	75.0	21.98	77.2	22.57	80.2	23.15	82.4	23.32
100	10	123.2	69.9	5.01	75.7	5.82	82.4	6.72	89.6	7.62	92.3	7.76	95.9	7.99	98.6	8.12
		154.0	69.9	4.91	75.7	5.72	82.4	6.62	89.6	7.50	92.3	7.64	95.9	7.86	98.6	7.99
		308.0	69.9	4.51	75.7	5.34	82.4	6.20	89.6	7.01	92.3	7.16	95.9	7.33	98.6	7.48
		385.0	69.9	4.36	75.7	5.21	82.4	6.07	89.6	6.86	92.3	7.02	95.9	7.19	98.6	7.26
		462.0	69.9	4.28	75.7	5.15	82.4	6.01	89.6	6.78	92.3	6.96	95.9	7.12	98.6	7.15
	15	123.2	69.9	6.77	75.7	7.86	82.4	9.14	89.6	10.31	92.3	10.54	95.9	10.82	98.6	11.00
		154.0	69.9	6.64	75.7	7.73	82.4	8.99	89.6	10.14	92.3	10.37	95.9	10.64	98.6	10.82
		308.0	69.9	6.10	75.7	7.23	82.4	8.41	89.6	9.48	92.3	9.70	95.9	9.95	98.6	10.13
		385.0	69.9	5.92	75.7	7.07	82.4	8.24	89.6	9.29	92.3	9.52	95.9	9.76	98.6	9.86
		462.0	69.9	5.82	75.7	6.99	82.4	8.15	89.6	9.19	92.3	9.43	95.9	9.67	98.6	9.72

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	123.2	69.9	8.34	75.7	9.67	82.4	11.29	89.6	12.69	92.3	13.01	95.9	13.32	98.6	13.56
		154.0	69.9	8.17	75.7	9.52	82.4	11.11	89.6	12.49	92.3	12.80	95.9	13.11	98.6	13.34
		308.0	69.9	7.51	75.7	8.91	82.4	10.39	89.6	11.68	92.3	11.96	95.9	12.27	98.6	12.49
		385.0	69.9	7.30	75.7	8.73	82.4	10.17	89.6	11.46	92.3	11.74	95.9	12.05	98.6	12.17
		462.0	69.9	7.20	75.7	8.64	82.4	10.06	89.6	11.34	92.3	11.62	95.9	11.94	98.6	12.02
	25	123.2	69.9	10.16	75.7	11.80	82.4	13.76	89.6	15.49	92.3	15.87	95.9	16.26	98.6	16.54
		154.0	69.9	9.96	75.7	11.61	82.4	13.53	89.6	15.24	92.3	15.61	95.9	16.00	98.6	16.28
		308.0	69.9	9.17	75.7	10.86	82.4	12.65	89.6	14.24	92.3	14.59	95.9	14.96	98.6	15.24
		385.0	69.9	8.91	75.7	10.64	82.4	12.39	89.6	13.96	92.3	14.31	95.9	14.68	98.6	14.84
		462.0	69.9	8.79	75.7	10.53	82.4	12.27	89.6	13.82	92.3	14.17	95.9	14.54	98.6	14.64
	30	123.2	69.9	12.49	75.7	14.54	82.4	16.93	89.6	19.06	92.3	19.51	95.9	19.98	98.6	20.35
		154.0	69.9	12.24	75.7	14.30	82.4	16.65	89.6	18.75	92.3	19.20	95.9	19.66	98.6	20.03
		308.0	69.9	11.27	75.7	13.37	82.4	15.56	89.6	17.53	92.3	17.94	95.9	18.41	98.6	18.75
		385.0	69.9	10.96	75.7	13.09	82.4	15.24	89.6	17.19	92.3	17.62	95.9	18.06	98.6	18.25
		462.0	69.9	10.80	75.7	12.95	82.4	15.08	89.6	17.02	92.3	17.45	95.9	17.89	98.6	18.00
	35	123.2	66.4	13.19	71.9	15.33	78.3	17.85	85.1	20.11	87.7	20.59	91.1	21.09	93.6	21.47
		154.0	66.4	12.93	71.9	15.08	78.3	17.57	85.1	19.78	87.7	20.26	91.1	20.76	93.6	21.13
		308.0	66.4	11.89	71.9	14.11	78.3	16.43	85.1	18.50	87.7	18.94	91.1	19.43	93.6	19.78
		385.0	66.4	11.58	71.9	13.80	78.3	16.09	85.1	18.15	87.7	18.59	91.1	19.06	93.6	19.26
		462.0	66.4	11.42	71.9	13.65	78.3	15.92	85.1	17.98	87.7	18.41	91.1	18.88	93.6	18.99
	40	123.2	62.9	14.81	68.1	17.21	74.2	20.05	80.6	22.57	83.1	23.10	86.3	23.67	88.7	24.08
		154.0	62.9	14.51	68.1	16.93	74.2	19.72	80.6	22.20	83.1	22.73	86.3	23.29	88.7	23.70
		308.0	62.9	13.34	68.1	15.83	74.2	18.43	80.6	20.76	83.1	21.26	86.3	21.79	88.7	22.19
		385.0	62.9	12.98	68.1	15.49	74.2	18.06	80.6	20.35	83.1	20.85	86.3	21.39	88.7	21.61
		462.0	62.9	12.80	68.1	15.32	74.2	17.87	80.6	20.15	83.1	20.65	86.3	21.18	88.7	21.31
	45	123.2	59.4	16.43	64.3	19.10	70.0	22.24	76.2	25.03	78.5	25.61	81.5	26.24	83.8	26.69
		154.0	59.4	16.10	64.3	18.78	70.0	21.88	76.2	24.62	78.5	25.20	81.5	25.82	83.8	26.27
		308.0	59.4	14.79	64.3	17.55	70.0	20.43	76.2	23.01	78.5	23.57	81.5	24.15	83.8	24.60
		385.0	59.4	14.38	64.3	17.17	70.0	20.02	76.2	22.55	78.5	23.11	81.5	23.71	83.8	23.95
		462.0	59.4	14.18	64.3	16.98	70.0	19.81	76.2	22.32	78.5	22.89	81.5	23.49	83.8	23.63
90	10	123.2	62.9	4.27	68.1	4.96	74.2	5.79	80.6	6.55	83.1	6.67	86.3	6.81	88.7	7.00
		154.0	62.9	4.19	68.1	4.89	74.2	5.70	80.6	6.44	83.1	6.57	86.3	6.72	88.7	6.89
		308.0	62.9	3.87	68.1	4.60	74.2	5.35	80.6	6.03	83.1	6.16	86.3	6.34	88.7	6.44
		385.0	62.9	3.76	68.1	4.46	74.2	5.24	80.6	5.87	83.1	6.05	86.3	6.23	88.7	6.24
		462.0	62.9	3.71	68.1	4.39	74.2	5.18	80.6	5.80	83.1	5.99	86.3	6.17	88.7	6.13
	15	123.2	62.9	5.81	68.1	6.75	74.2	7.87	80.6	8.87	83.1	9.07	86.3	9.29	88.7	9.48
		154.0	62.9	5.70	68.1	6.64	74.2	7.74	80.6	8.73	83.1	8.92	86.3	9.14	88.7	9.33
		308.0	62.9	5.25	68.1	6.22	74.2	7.24	80.6	8.16	83.1	8.35	86.3	8.57	88.7	8.73
		385.0	62.9	5.10	68.1	6.07	74.2	7.10	80.6	7.98	83.1	8.20	86.3	8.41	88.7	8.48
		462.0	62.9	5.03	68.1	6.00	74.2	7.03	80.6	7.90	83.1	8.12	86.3	8.34	88.7	8.36
	20	123.2	62.9	7.18	68.1	8.34	74.2	9.71	80.6	10.94	83.1	11.20	86.3	11.49	88.7	11.67
		154.0	62.9	7.04	68.1	8.20	74.2	9.55	80.6	10.76	83.1	11.02	86.3	11.30	88.7	11.49
		308.0	62.9	6.48	68.1	7.67	74.2	8.92	80.6	10.05	83.1	10.30	86.3	10.55	88.7	10.76
		385.0	62.9	6.29	68.1	7.51	74.2	8.76	80.6	9.86	83.1	10.11	86.3	10.36	88.7	10.48
		462.0	62.9	6.20	68.1	7.43	74.2	8.67	80.6	9.76	83.1	10.01	86.3	10.26	88.7	10.34
	25	123.2	62.9	8.74	68.1	10.18	74.2	11.84	80.6	13.34	83.1	13.65	86.3	13.99	88.7	14.24
		154.0	62.9	8.57	68.1	10.01	74.2	11.65	80.6	13.12	83.1	13.43	86.3	13.77	88.7	14.02
		308.0	62.9	7.89	68.1	9.35	74.2	10.89	80.6	12.27	83.1	12.56	86.3	12.89	88.7	13.11
		385.0	62.9	7.67	68.1	9.14	74.2	10.68	80.6	12.03	83.1	12.33	86.3	12.65	88.7	12.77
		462.0	62.9	7.56	68.1	9.04	74.2	10.57	80.6	11.90	83.1	12.22	86.3	12.52	88.7	12.60
	30	123.2	62.9	10.76	68.1	12.51	74.2	14.57	80.6	16.41	83.1	16.79	86.3	17.21	88.7	17.52
		154.0	62.9	10.54	68.1	12.31	74.2	14.33	80.6	16.15	83.1	16.52	86.3	16.93	88.7	17.24
		308.0	62.9	9.70	68.1	11.49	74.2	13.40	80.6	15.08	83.1	15.46	86.3	15.84	88.7	16.13
		385.0	62.9	9.43	68.1	11.26	74.2	13.12	80.6	14.80	83.1	15.15	86.3	15.56	88.7	15.71
		462.0	62.9	9.30	68.1	11.15	74.2	12.98	80.6	14.66	83.1	15.00	86.3	15.42	88.7	15.50
	35	123.2	61.2	11.62	66.2	13.49	72.1	15.71	78.4	17.69	80.7	18.11	83.9	18.55	86.2	18.89
		154.0	61.2	11.39	66.2	13.27	72.1	15.46	78.4	17.41	80.7	17.82	83.9	18.26	86.2	18.59
		308.0	61.2	10.46	66.2	12.40	72.1	14.46	78.4	16.28	80.7	16.66	83.9	17.09	86.2	17.41
		385.0	61.2	10.18	66.2	12.15	72.1	14.16	78.4	15.96	80.7	16.36	83.9	16.78	86.2	16.94
		462.0	61.2	10.04	66.2	12.02	72.1	14.00	78.4	15.80	80.7	16.21	83.9	16.62	86.2	16.71
	40	123.2	59.4	13.34	64.4	15.49	70.1	18.05	76.2	20.33	78.5	20.81	81.5	21.31	83.8	21.69
		154.0	59.4	13.08	64.4	15.24	70.1	17.76	76.2	20.00	78.5	20.48	81.5	20.97	83.8	21.35
		308.0	59.4	12.03	64.4	14.25	70.1	16.62	76.2	18.70	78.5	19.15	81.5	19.63	83.8	20.00
		385.0	59.4	11.68	64.4	13.95	70.1	16.28	76.2	18.34	78.5	18.78	81.5	19.27	83.8	19.47
		462.0	59.4	11.51	64.4	13.80	70.1	16.11	76.2	18.16	78.5	18.60	81.5	19.09	83.8	19.20

Notes:

TC: Total Capacity(kW)　　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	123.2	57.7	15.07	62.5	17.50	68.0	20.38	73.9	22.97	76.2	23.51	79.1	24.07	81.3	24.50
		154.0	57.7	14.77	62.5	17.21	68.0	20.05	73.9	22.60	76.2	23.13	79.1	23.69	81.3	24.11
		308.0	57.7	13.59	62.5	16.10	68.0	18.77	73.9	21.12	76.2	21.64	79.1	22.18	81.3	22.60
		385.0	57.7	13.19	62.5	15.76	68.0	18.40	73.9	20.71	76.2	21.20	79.1	21.77	81.3	21.99
		462.0	57.7	12.99	62.5	15.59	68.0	18.21	73.9	20.51	76.2	20.98	79.1	21.57	81.3	21.69
80	10	123.2	55.9	3.62	60.5	4.16	66.0	4.84	71.7	5.50	73.8	5.60	76.7	5.76	78.8	5.82
		154.0	55.9	3.54	60.5	4.11	66.0	4.77	71.7	5.41	73.8	5.51	76.7	5.66	78.8	5.73
		308.0	55.9	3.24	60.5	3.87	66.0	4.49	71.7	5.03	73.8	5.17	76.7	5.27	78.8	5.37
		385.0	55.9	3.18	60.5	3.76	66.0	4.40	71.7	4.95	73.8	5.05	76.7	5.19	78.8	5.23
		462.0	55.9	3.15	60.5	3.70	66.0	4.36	71.7	4.91	73.8	4.99	76.7	5.16	78.8	5.17
	15	123.2	55.9	4.89	60.5	5.66	66.0	6.59	71.7	7.44	73.8	7.61	76.7	7.80	78.8	7.93
		154.0	55.9	4.79	60.5	5.57	66.0	6.49	71.7	7.32	73.8	7.49	76.7	7.67	78.8	7.80
		308.0	55.9	4.39	60.5	5.22	66.0	6.07	71.7	6.83	73.8	7.00	76.7	7.17	78.8	7.30
		385.0	55.9	4.29	60.5	5.10	66.0	5.95	71.7	6.71	73.8	6.86	76.7	7.05	78.8	7.11
		462.0	55.9	4.23	60.5	5.04	66.0	5.89	71.7	6.64	73.8	6.79	76.7	6.99	78.8	7.01
	20	123.2	55.9	6.01	60.5	7.00	66.0	8.14	71.7	9.17	73.8	9.39	76.7	9.61	78.8	9.80
		154.0	55.9	5.89	60.5	6.88	66.0	8.01	71.7	9.02	73.8	9.24	76.7	9.46	78.8	9.64
		308.0	55.9	5.42	60.5	6.42	66.0	7.49	71.7	8.42	73.8	8.63	76.7	8.86	78.8	9.02
		385.0	55.9	5.27	60.5	6.29	66.0	7.33	71.7	8.27	73.8	8.48	76.7	8.69	78.8	8.77
		462.0	55.9	5.19	60.5	6.23	66.0	7.25	71.7	8.19	73.8	8.40	76.7	8.61	78.8	8.65
	25	123.2	55.9	7.34	60.5	8.53	66.0	9.92	71.7	11.17	73.8	11.45	76.7	11.73	78.8	11.94
		154.0	55.9	7.20	60.5	8.39	66.0	9.76	71.7	10.99	73.8	11.26	76.7	11.54	78.8	11.75
		308.0	55.9	6.61	60.5	7.84	66.0	9.13	71.7	10.29	73.8	10.53	76.7	10.80	78.8	10.99
		385.0	55.9	6.42	60.5	7.67	66.0	8.95	71.7	10.08	73.8	10.33	76.7	10.61	78.8	10.70
		462.0	55.9	6.33	60.5	7.59	66.0	8.86	71.7	9.97	73.8	10.24	76.7	10.51	78.8	10.56
	30	123.2	55.9	9.01	60.5	10.48	66.0	12.21	71.7	13.75	73.8	14.06	76.7	14.41	78.8	14.69
		154.0	55.9	8.84	60.5	10.31	66.0	12.02	71.7	13.52	73.8	13.84	76.7	14.18	78.8	14.45
		308.0	55.9	8.13	60.5	9.64	66.0	11.24	71.7	12.65	73.8	12.95	76.7	13.28	78.8	13.52
		385.0	55.9	7.91	60.5	9.43	66.0	10.99	71.7	12.40	73.8	12.71	76.7	13.02	78.8	13.17
		462.0	55.9	7.80	60.5	9.33	66.0	10.87	71.7	12.28	73.8	12.59	76.7	12.90	78.8	13.00
	35	123.2	55.9	10.02	60.5	11.64	66.0	13.56	71.7	15.28	73.8	15.65	76.7	16.04	78.8	16.32
		154.0	55.9	9.83	60.5	11.46	66.0	13.34	71.7	15.03	73.8	15.40	76.7	15.78	78.8	16.06
		308.0	55.9	9.05	60.5	10.71	66.0	12.49	71.7	14.06	73.8	14.39	76.7	14.75	78.8	15.02
		385.0	55.9	8.79	60.5	10.48	66.0	12.24	71.7	13.78	73.8	14.12	76.7	14.49	78.8	14.62
		462.0	55.9	8.66	60.5	10.37	66.0	12.11	71.7	13.64	73.8	13.98	76.7	14.36	78.8	14.42
	40	123.2	55.9	11.88	60.5	13.80	66.0	16.07	71.7	18.10	73.8	18.52	76.7	18.98	78.8	19.31
		154.0	55.9	11.64	60.5	13.58	66.0	15.81	71.7	17.81	73.8	18.22	76.7	18.68	78.8	19.00
		308.0	55.9	10.70	60.5	12.68	66.0	14.78	71.7	16.65	73.8	17.03	76.7	17.47	78.8	17.78
		385.0	55.9	10.40	60.5	12.42	66.0	14.47	71.7	16.31	73.8	16.71	76.7	17.15	78.8	17.32
		462.0	55.9	10.24	60.5	12.29	66.0	14.32	71.7	16.14	73.8	16.56	76.7	16.99	78.8	17.09
	45	123.2	55.9	13.73	60.5	15.96	66.0	18.59	71.7	20.93	73.8	21.39	76.7	21.93	78.8	22.30
		154.0	55.9	13.45	60.5	15.70	66.0	18.28	71.7	20.59	73.8	21.04	76.7	21.58	78.8	21.95
		308.0	55.9	12.36	60.5	14.66	66.0	17.07	71.7	19.25	73.8	19.67	76.7	20.19	78.8	20.55
		385.0	55.9	12.00	60.5	14.36	66.0	16.71	71.7	18.84	73.8	19.31	76.7	19.82	78.8	20.02
		462.0	55.9	11.82	60.5	14.21	66.0	16.53	71.7	18.64	73.8	19.13	76.7	19.63	78.8	19.76
70	10	123.2	48.9	2.97	53.0	3.47	57.7	4.03	62.7	4.53	64.6	4.67	67.1	4.79	69.0	4.84
		154.0	48.9	2.92	53.0	3.41	57.7	3.96	62.7	4.47	64.6	4.60	67.1	4.71	69.0	4.77
		308.0	48.9	2.70	53.0	3.19	57.7	3.70	62.7	4.20	64.6	4.30	67.1	4.42	69.0	4.49
		385.0	48.9	2.63	53.0	3.11	57.7	3.64	62.7	4.11	64.6	4.20	67.1	4.31	69.0	4.37
		462.0	48.9	2.60	53.0	3.07	57.7	3.61	62.7	4.06	64.6	4.15	67.1	4.25	69.0	4.31
	15	123.2	48.9	4.05	53.0	4.71	57.7	5.48	62.7	6.17	64.6	6.32	67.1	6.48	69.0	6.59
		154.0	48.9	3.97	53.0	4.64	57.7	5.39	62.7	6.07	64.6	6.22	67.1	6.38	69.0	6.49
		308.0	48.9	3.65	53.0	4.33	57.7	5.04	62.7	5.69	64.6	5.82	67.1	5.98	69.0	6.07
		385.0	48.9	3.56	53.0	4.23	57.7	4.94	62.7	5.57	64.6	5.71	67.1	5.86	69.0	5.92
		462.0	48.9	3.51	53.0	4.19	57.7	4.90	62.7	5.52	64.6	5.65	67.1	5.79	69.0	5.84
	20	123.2	48.9	5.01	53.0	5.82	57.7	6.77	62.7	7.63	64.6	7.80	67.1	7.99	69.0	8.14
		154.0	48.9	4.91	53.0	5.72	57.7	6.66	62.7	7.50	64.6	7.67	67.1	7.86	69.0	8.01
		308.0	48.9	4.51	53.0	5.35	57.7	6.23	62.7	7.01	64.6	7.17	67.1	7.36	69.0	7.49
		385.0	48.9	4.38	53.0	5.23	57.7	6.10	62.7	6.88	64.6	7.05	67.1	7.23	69.0	7.29
		462.0	48.9	4.32	53.0	5.18	57.7	6.03	62.7	6.81	64.6	6.99	67.1	7.17	69.0	7.20
	25	123.2	48.9	6.10	53.0	7.09	57.7	8.25	62.7	9.29	64.6	9.51	67.1	9.74	69.0	9.92
		154.0	48.9	5.98	53.0	6.98	57.7	8.12	62.7	9.14	64.6	9.36	67.1	9.59	69.0	9.76
		308.0	48.9	5.50	53.0	6.51	57.7	7.60	62.7	8.55	64.6	8.76	67.1	8.98	69.0	9.14
		385.0	48.9	5.35	53.0	6.38	57.7	7.44	62.7	8.39	64.6	8.58	67.1	8.80	69.0	8.90
		462.0	48.9	5.27	53.0	6.31	57.7	7.36	62.7	8.31	64.6	8.49	67.1	8.71	69.0	8.77

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	123.2	48.9	7.50	53.0	8.71	57.7	10.15	62.7	11.43	64.6	11.71	67.1	11.99	69.0	12.21
		154.0	48.9	7.35	53.0	8.57	57.7	9.98	62.7	11.25	64.6	11.52	67.1	11.80	69.0	12.02
		308.0	48.9	6.76	53.0	8.01	57.7	9.33	62.7	10.52	64.6	10.77	67.1	11.04	69.0	11.24
		385.0	48.9	6.57	53.0	7.85	57.7	9.14	62.7	10.31	64.6	10.57	67.1	10.83	69.0	10.96
		462.0	48.9	6.48	53.0	7.77	57.7	9.05	62.7	10.20	64.6	10.47	67.1	10.73	69.0	10.82
	35	123.2	48.9	8.34	53.0	9.67	57.7	11.29	62.7	12.69	64.6	13.01	67.1	13.32	69.0	13.56
		154.0	48.9	8.17	53.0	9.52	57.7	11.11	62.7	12.49	64.6	12.80	67.1	13.11	69.0	13.34
		308.0	48.9	7.51	53.0	8.91	57.7	10.37	62.7	11.68	64.6	11.96	67.1	12.27	69.0	12.49
		385.0	48.9	7.30	53.0	8.71	57.7	10.17	62.7	11.46	64.6	11.74	67.1	12.04	69.0	12.17
		462.0	48.9	7.20	53.0	8.61	57.7	10.07	62.7	11.34	64.6	11.62	67.1	11.93	69.0	12.02
	40	123.2	48.9	9.87	53.0	11.45	57.7	13.36	62.7	15.05	64.6	15.40	67.1	15.78	69.0	16.06
		154.0	48.9	9.68	53.0	11.27	57.7	13.15	62.7	14.80	64.6	15.15	67.1	15.52	69.0	15.80
		308.0	48.9	8.90	53.0	10.55	57.7	12.30	62.7	13.84	64.6	14.17	67.1	14.52	69.0	14.80
		385.0	48.9	8.64	53.0	10.33	57.7	12.03	62.7	13.56	64.6	13.90	67.1	14.27	69.0	14.40
		462.0	48.9	8.51	53.0	10.21	57.7	11.89	62.7	13.42	64.6	13.77	67.1	14.14	69.0	14.20
	45	123.2	48.9	11.41	53.0	13.24	57.7	15.43	62.7	17.40	64.6	17.80	67.1	18.23	69.0	18.56
		154.0	48.9	11.18	53.0	13.02	57.7	15.19	62.7	17.12	64.6	17.51	67.1	17.93	69.0	18.27
		308.0	48.9	10.28	53.0	12.19	57.7	14.23	62.7	16.00	64.6	16.38	67.1	16.78	69.0	17.12
		385.0	48.9	9.98	53.0	11.94	57.7	13.88	62.7	15.66	64.6	16.07	67.1	16.50	69.0	16.63
		462.0	48.9	9.83	53.0	11.81	57.7	13.71	62.7	15.50	64.6	15.91	67.1	16.36	69.0	16.38
60	10	123.2	41.9	2.37	45.4	2.75	49.4	3.20	53.7	3.64	55.4	3.73	57.5	3.79	59.1	3.87
		154.0	41.9	2.33	45.4	2.70	49.4	3.15	53.7	3.57	55.4	3.67	57.5	3.73	59.1	3.81
		308.0	41.9	2.14	45.4	2.53	49.4	2.98	53.7	3.33	55.4	3.41	57.5	3.52	59.1	3.57
		385.0	41.9	2.06	45.4	2.51	49.4	2.92	53.7	3.28	55.4	3.36	57.5	3.43	59.1	3.49
		462.0	41.9	2.02	45.4	2.49	49.4	2.89	53.7	3.26	55.4	3.33	57.5	3.39	59.1	3.45
	15	123.2	41.9	3.23	45.4	3.75	49.4	4.36	53.7	4.93	55.4	5.05	57.5	5.15	59.1	5.25
		154.0	41.9	3.16	45.4	3.69	49.4	4.29	53.7	4.85	55.4	4.97	57.5	5.07	59.1	5.17
		308.0	41.9	2.91	45.4	3.44	49.4	4.03	53.7	4.53	55.4	4.64	57.5	4.76	59.1	4.85
		385.0	41.9	2.82	45.4	3.38	49.4	3.94	53.7	4.44	55.4	4.55	57.5	4.66	59.1	4.72
		462.0	41.9	2.78	45.4	3.35	49.4	3.90	53.7	4.40	55.4	4.51	57.5	4.61	59.1	4.66
	20	123.2	41.9	3.99	45.4	4.64	49.4	5.40	53.7	6.07	55.4	6.23	57.5	6.37	59.1	6.48
		154.0	41.9	3.91	45.4	4.57	49.4	5.31	53.7	5.98	55.4	6.13	57.5	6.27	59.1	6.38
		308.0	41.9	3.59	45.4	4.26	49.4	4.97	53.7	5.60	55.4	5.72	57.5	5.86	59.1	5.98
		385.0	41.9	3.50	45.4	4.16	49.4	4.86	53.7	5.48	55.4	5.61	57.5	5.76	59.1	5.82
		462.0	41.9	3.45	45.4	4.12	49.4	4.80	53.7	5.42	55.4	5.55	57.5	5.71	59.1	5.74
	25	123.2	41.9	4.85	45.4	5.66	49.4	6.59	53.7	7.41	55.4	7.58	57.5	7.76	59.1	7.92
		154.0	41.9	4.76	45.4	5.57	49.4	6.48	53.7	7.29	55.4	7.46	57.5	7.64	59.1	7.79
		308.0	41.9	4.38	45.4	5.20	49.4	6.05	53.7	6.82	55.4	6.98	57.5	7.16	59.1	7.29
		385.0	41.9	4.26	45.4	5.07	49.4	5.93	53.7	6.67	55.4	6.85	57.5	7.02	59.1	7.10
		462.0	41.9	4.20	45.4	5.01	49.4	5.86	53.7	6.60	55.4	6.79	57.5	6.95	59.1	7.00
	30	123.2	41.9	5.97	45.4	6.94	49.4	8.09	53.7	9.10	55.4	9.33	57.5	9.55	59.1	9.74
		154.0	41.9	5.86	45.4	6.83	49.4	7.96	53.7	8.96	55.4	9.18	57.5	9.40	59.1	9.58
		308.0	41.9	5.39	45.4	6.39	49.4	7.45	53.7	8.39	55.4	8.58	57.5	8.80	59.1	8.96
		385.0	41.9	5.23	45.4	6.26	49.4	7.29	53.7	8.23	55.4	8.42	57.5	8.64	59.1	8.73
		462.0	41.9	5.15	45.4	6.19	49.4	7.21	53.7	8.15	55.4	8.34	57.5	8.56	59.1	8.62
	35	123.2	41.9	6.65	45.4	7.73	49.4	9.00	53.7	10.12	55.4	10.37	57.5	10.63	59.1	10.81
		154.0	41.9	6.51	45.4	7.60	49.4	8.85	53.7	9.96	55.4	10.20	57.5	10.46	59.1	10.64
		308.0	41.9	5.99	45.4	7.10	49.4	8.27	53.7	9.33	55.4	9.55	57.5	9.77	59.1	9.96
		385.0	41.9	5.82	45.4	6.95	49.4	8.11	53.7	9.13	55.4	9.36	57.5	9.61	59.1	9.70
		462.0	41.9	5.74	45.4	6.88	49.4	8.03	53.7	9.04	55.4	9.27	57.5	9.52	59.1	9.58
	40	123.2	41.9	7.86	45.4	9.14	49.4	10.66	53.7	11.99	55.4	12.28	57.5	12.57	59.1	12.82
		154.0	41.9	7.70	45.4	8.99	49.4	10.48	53.7	11.80	55.4	12.08	57.5	12.37	59.1	12.61
		308.0	41.9	7.10	45.4	8.41	49.4	9.80	53.7	11.03	55.4	11.30	57.5	11.58	59.1	11.80
		385.0	41.9	6.89	45.4	8.23	49.4	9.61	53.7	10.81	55.4	11.08	57.5	11.37	59.1	11.48
		462.0	41.9	6.78	45.4	8.14	49.4	9.51	53.7	10.70	55.4	10.97	57.5	11.26	59.1	11.32
	45	123.2	41.9	9.07	45.4	10.55	49.4	12.31	53.7	13.87	55.4	14.18	57.5	14.50	59.1	14.82
		154.0	41.9	8.90	45.4	10.39	49.4	12.11	53.7	13.64	55.4	13.95	57.5	14.28	59.1	14.58
		308.0	41.9	8.21	45.4	9.73	49.4	11.33	53.7	12.73	55.4	13.05	57.5	13.38	59.1	13.64
		385.0	41.9	7.96	45.4	9.51	49.4	11.11	53.7	12.48	55.4	12.80	57.5	13.13	59.1	13.26
		462.0	41.9	7.83	45.4	9.40	49.4	10.99	53.7	12.36	55.4	12.67	57.5	13.00	59.1	13.07
50	10	123.2	35.0	1.78	37.8	2.04	41.2	2.43	44.8	2.68	46.2	2.76	47.9	2.84	49.3	2.89
		154.0	35.0	1.74	37.8	2.01	41.2	2.39	44.8	2.65	46.2	2.72	47.9	2.79	49.3	2.84
		308.0	35.0	1.58	37.8	1.90	41.2	2.23	44.8	2.51	46.2	2.58	47.9	2.59	49.3	2.65
		385.0	35.0	1.54	37.8	1.89	41.2	2.18	44.8	2.44	46.2	2.48	47.9	2.56	49.3	2.58
		462.0	35.0	1.52	37.8	1.89	41.2	2.15	44.8	2.40	46.2	2.42	47.9	2.55	49.3	2.54

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	123.2	35.0	2.41	37.8	2.80	41.2	3.27	44.8	3.66	46.2	3.76	47.9	3.85	49.3	3.92
		154.0	35.0	2.36	37.8	2.75	41.2	3.22	44.8	3.60	46.2	3.70	47.9	3.79	49.3	3.86
		308.0	35.0	2.17	37.8	2.57	41.2	3.01	44.8	3.38	46.2	3.47	47.9	3.54	49.3	3.60
		385.0	35.0	2.10	37.8	2.53	41.2	2.95	44.8	3.31	46.2	3.38	47.9	3.48	49.3	3.51
		462.0	35.0	2.07	37.8	2.52	41.2	2.91	44.8	3.28	46.2	3.34	47.9	3.45	49.3	3.47
	20	123.2	35.0	2.97	37.8	3.47	41.2	4.02	44.8	4.53	46.2	4.64	47.9	4.74	49.3	4.84
		154.0	35.0	2.91	37.8	3.41	41.2	3.95	44.8	4.45	46.2	4.57	47.9	4.67	49.3	4.76
		308.0	35.0	2.68	37.8	3.16	41.2	3.70	44.8	4.16	46.2	4.26	47.9	4.38	49.3	4.45
		385.0	35.0	2.60	37.8	3.10	41.2	3.63	44.8	4.09	46.2	4.19	47.9	4.29	49.3	4.35
		462.0	35.0	2.56	37.8	3.07	41.2	3.59	44.8	4.06	46.2	4.15	47.9	4.25	49.3	4.29
	25	123.2	35.0	3.61	37.8	4.20	41.2	4.90	44.8	5.54	46.2	5.66	47.9	5.79	49.3	5.88
		154.0	35.0	3.54	37.8	4.14	41.2	4.82	44.8	5.44	46.2	5.57	47.9	5.70	49.3	5.79
		308.0	35.0	3.26	37.8	3.87	41.2	4.51	44.8	5.07	46.2	5.20	47.9	5.33	49.3	5.44
		385.0	35.0	3.16	37.8	3.79	41.2	4.42	44.8	4.98	46.2	5.10	47.9	5.23	49.3	5.29
		462.0	35.0	3.12	37.8	3.74	41.2	4.37	44.8	4.93	46.2	5.05	47.9	5.18	49.3	5.22
	30	123.2	35.0	4.46	37.8	5.19	41.2	6.04	44.8	6.81	46.2	6.97	47.9	7.12	49.3	7.25
		154.0	35.0	4.37	37.8	5.10	41.2	5.94	44.8	6.70	46.2	6.85	47.9	7.01	49.3	7.13
		308.0	35.0	4.01	37.8	4.76	41.2	5.55	44.8	6.26	46.2	6.39	47.9	6.57	49.3	6.67
		385.0	35.0	3.91	37.8	4.66	41.2	5.44	44.8	6.14	46.2	6.28	47.9	6.44	49.3	6.51
		462.0	35.0	3.86	37.8	4.61	41.2	5.39	44.8	6.07	46.2	6.23	47.9	6.38	49.3	6.43
	35	123.2	35.0	4.95	37.8	5.76	41.2	6.71	44.8	7.54	46.2	7.73	47.9	7.92	49.3	8.05
		154.0	35.0	4.86	37.8	5.66	41.2	6.60	44.8	7.42	46.2	7.61	47.9	7.79	49.3	7.92
		308.0	35.0	4.47	37.8	5.29	41.2	6.17	44.8	6.95	46.2	7.11	47.9	7.29	49.3	7.42
		385.0	35.0	4.35	37.8	5.19	41.2	6.04	44.8	6.82	46.2	6.98	47.9	7.16	49.3	7.23
		462.0	35.0	4.29	37.8	5.14	41.2	5.97	44.8	6.75	46.2	6.91	47.9	7.09	49.3	7.13
	40	123.2	35.0	5.88	37.8	6.82	41.2	7.95	44.8	8.94	46.2	9.16	47.9	9.38	49.3	9.55
		154.0	35.0	5.76	37.8	6.71	41.2	7.82	44.8	8.80	46.2	9.01	47.9	9.23	49.3	9.40
		308.0	35.0	5.29	37.8	6.27	41.2	7.30	44.8	8.23	46.2	8.42	47.9	8.64	49.3	8.79
		385.0	35.0	5.14	37.8	6.14	41.2	7.16	44.8	8.07	46.2	8.27	47.9	8.48	49.3	8.55
		462.0	35.0	5.06	37.8	6.07	41.2	7.09	44.8	7.99	46.2	8.19	47.9	8.39	49.3	8.44
	45	123.2	35.0	6.80	37.8	7.88	41.2	9.19	44.8	10.34	46.2	10.58	47.9	10.84	49.3	11.05
		154.0	35.0	6.66	37.8	7.75	41.2	9.04	44.8	10.18	46.2	10.41	47.9	10.67	49.3	10.87
		308.0	35.0	6.10	37.8	7.24	41.2	8.43	44.8	9.51	46.2	9.74	47.9	9.99	49.3	10.16
		385.0	35.0	5.93	37.8	7.08	41.2	8.28	44.8	9.33	46.2	9.55	47.9	9.79	49.3	9.88
		462.0	35.0	5.84	37.8	7.00	41.2	8.21	44.8	9.23	46.2	9.46	47.9	9.69	49.3	9.74

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(34HP)

ARWN340LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	130.8	88.5	6.40	95.9	7.48	104.3	8.72	113.4	9.79	116.8	10.01	121.4	10.31	124.8	10.48
		163.5	88.5	6.28	95.9	7.35	104.3	8.58	113.4	9.63	116.8	9.86	121.4	10.14	124.8	10.32
		327.0	88.5	5.82	95.9	6.85	104.3	7.99	113.4	9.01	116.8	9.26	121.4	9.47	124.8	9.68
		408.8	88.5	5.64	95.9	6.73	104.3	7.85	113.4	8.81	116.8	9.06	121.4	9.29	124.8	9.44
		490.5	88.5	5.55	95.9	6.66	104.3	7.78	113.4	8.71	116.8	8.96	121.4	9.20	124.8	9.31
	15	130.8	87.1	8.43	94.3	9.81	102.7	11.44	111.6	12.86	115.0	13.16	119.4	13.50	122.8	13.73
		163.5	87.1	8.26	94.3	9.65	102.7	11.25	111.6	12.65	115.0	12.96	119.4	13.29	122.8	13.53
		327.0	87.1	7.62	94.3	9.02	102.7	10.51	111.6	11.83	115.0	12.14	119.4	12.45	122.8	12.71
		408.8	87.1	7.41	94.3	8.83	102.7	10.30	111.6	11.60	115.0	11.90	119.4	12.20	122.8	12.41
		490.5	87.1	7.30	94.3	8.74	102.7	10.20	111.6	11.48	115.0	11.78	119.4	12.08	122.8	12.27
	20	130.8	85.8	10.23	92.9	11.89	101.2	13.86	110.0	15.59	113.3	15.96	117.7	16.34	121.0	16.63
		163.5	85.8	10.02	92.9	11.70	101.2	13.63	110.0	15.34	113.3	15.71	117.7	16.09	121.0	16.38
		327.0	85.8	9.22	92.9	10.94	101.2	12.75	110.0	14.35	113.3	14.70	117.7	15.10	121.0	15.40
		408.8	85.8	8.98	92.9	10.71	101.2	12.48	110.0	14.07	113.3	14.42	117.7	14.79	121.0	15.06
		490.5	85.8	8.86	92.9	10.60	101.2	12.35	110.0	13.93	113.3	14.28	117.7	14.64	121.0	14.89
	25	130.8	85.8	12.63	92.9	14.66	101.2	17.08	110.0	19.25	113.3	19.69	117.7	20.17	121.0	20.51
		163.5	85.8	12.38	92.9	14.42	101.2	16.80	110.0	18.94	113.3	19.37	117.7	19.86	121.0	20.20
		327.0	85.8	11.39	92.9	13.49	101.2	15.71	110.0	17.69	113.3	18.13	117.7	18.62	121.0	18.98
		408.8	85.8	11.05	92.9	13.19	101.2	15.39	110.0	17.35	113.3	17.79	117.7	18.26	121.0	18.56
		490.5	85.8	10.89	92.9	13.05	101.2	15.24	110.0	17.17	113.3	17.62	117.7	18.08	121.0	18.35
	30	130.8	85.8	15.16	92.9	17.59	101.2	20.49	110.0	23.09	113.3	23.63	117.7	24.21	121.0	24.62
		163.5	85.8	14.85	92.9	17.31	101.2	20.16	110.0	22.71	113.3	23.26	117.7	23.83	121.0	24.25
		327.0	85.8	13.64	92.9	16.18	101.2	18.86	110.0	21.22	113.3	21.76	117.7	22.33	121.0	22.78
		408.8	85.8	13.26	92.9	15.84	101.2	18.47	110.0	20.81	113.3	21.35	117.7	21.90	121.0	22.27
		490.5	85.8	13.07	92.9	15.67	101.2	18.27	110.0	20.61	113.3	21.15	117.7	21.68	121.0	22.01
	35	130.8	77.2	15.31	83.6	17.80	91.0	20.74	99.0	23.33	101.9	23.91	105.9	24.48	108.9	24.88
		163.5	77.2	15.00	83.6	17.51	91.0	20.40	99.0	22.95	101.9	23.52	105.9	24.10	108.9	24.51
		327.0	77.2	13.80	83.6	16.36	91.0	19.07	99.0	21.48	101.9	22.00	105.9	22.58	108.9	23.05
		408.8	77.2	13.42	83.6	16.01	91.0	18.67	99.0	21.05	101.9	21.59	105.9	22.14	108.9	22.51
		490.5	77.2	13.23	83.6	15.84	91.0	18.47	99.0	20.83	101.9	21.39	105.9	21.92	108.9	22.25
	40	130.8	68.6	16.17	74.3	18.76	80.9	21.87	88.0	24.61	90.6	25.19	94.1	25.80	96.8	26.27
		163.5	68.6	15.84	74.3	18.46	80.9	21.52	88.0	24.22	90.6	24.79	94.1	25.40	96.8	25.88
		327.0	68.6	14.56	74.3	17.27	80.9	20.13	88.0	22.65	90.6	23.22	94.1	23.83	96.8	24.30
		408.8	68.6	14.15	74.3	16.90	80.9	19.69	88.0	22.20	90.6	22.78	94.1	23.36	96.8	23.76
		490.5	68.6	13.94	74.3	16.71	80.9	19.47	88.0	21.98	90.6	22.56	94.1	23.13	96.8	23.49
	45	130.8	60.0	17.03	65.1	19.72	70.8	23.00	77.0	25.90	79.3	26.46	82.3	27.11	84.7	27.66
		163.5	60.0	16.68	65.1	19.41	70.8	22.63	77.0	25.48	79.3	26.06	82.3	26.70	84.7	27.24
		327.0	60.0	15.31	65.1	18.17	70.8	21.18	77.0	23.82	79.3	24.44	82.3	25.08	84.7	25.56
		408.8	60.0	14.87	65.1	17.78	70.8	20.71	77.0	23.35	79.3	23.97	82.3	24.58	84.7	25.01
		490.5	60.0	14.65	65.1	17.59	70.8	20.47	77.0	23.12	79.3	23.74	82.3	24.33	84.7	24.73
120	10	130.8	83.8	6.10	90.7	7.10	98.8	8.23	107.3	9.28	110.6	9.54	114.9	9.77	118.1	9.91
		163.5	83.8	5.97	90.7	6.98	98.8	8.10	107.3	9.13	110.6	9.37	114.9	9.60	118.1	9.76
		327.0	83.8	5.47	90.7	6.53	98.8	7.61	107.3	8.52	110.6	8.74	114.9	8.96	118.1	9.16
		408.8	83.8	5.32	90.7	6.34	98.8	7.43	107.3	8.35	110.6	8.59	114.9	8.81	118.1	8.96
		490.5	83.8	5.24	90.7	6.24	98.8	7.35	107.3	8.26	110.6	8.52	114.9	8.73	118.1	8.86
	15	130.8	82.8	8.08	89.6	9.40	97.7	10.92	106.1	12.31	109.3	12.61	113.6	12.91	116.7	13.13
		163.5	82.8	7.92	89.6	9.24	97.7	10.75	106.1	12.11	109.3	12.40	113.6	12.71	116.7	12.93
		327.0	82.8	7.27	89.6	8.63	97.7	10.06	106.1	11.32	109.3	11.60	113.6	11.90	116.7	12.14
		408.8	82.8	7.07	89.6	8.43	97.7	9.85	106.1	11.09	109.3	11.39	113.6	11.67	116.7	11.86
		490.5	82.8	6.97	89.6	8.33	97.7	9.75	106.1	10.98	109.3	11.28	113.6	11.56	116.7	11.72
	20	130.8	81.9	9.85	88.7	11.44	96.7	13.32	105.0	15.00	108.2	15.34	112.4	15.71	115.6	15.99
		163.5	81.9	9.65	88.7	11.25	96.7	13.10	105.0	14.76	108.2	15.10	112.4	15.47	115.6	15.75
		327.0	81.9	8.87	88.7	10.51	96.7	12.24	105.0	13.80	108.2	14.14	112.4	14.51	115.6	14.78
		408.8	81.9	8.63	88.7	10.30	96.7	12.00	105.0	13.53	108.2	13.87	112.4	14.21	115.6	14.44
		490.5	81.9	8.52	88.7	10.20	96.7	11.89	105.0	13.39	108.2	13.74	112.4	14.06	115.6	14.27
	25	130.8	81.9	12.10	88.7	14.06	96.7	16.37	105.0	18.42	108.2	18.86	112.4	19.34	115.6	19.67
		163.5	81.9	11.86	88.7	13.83	96.7	16.11	105.0	18.13	108.2	18.56	112.4	19.03	115.6	19.37
		327.0	81.9	10.91	88.7	12.92	96.7	15.06	105.0	16.96	108.2	17.37	112.4	17.82	115.6	18.18
		408.8	81.9	10.61	88.7	12.65	96.7	14.76	105.0	16.62	108.2	17.04	112.4	17.48	115.6	17.75
		490.5	81.9	10.45	88.7	12.52	96.7	14.60	105.0	16.45	108.2	16.87	112.4	17.31	115.6	17.53
	30	130.8	81.9	14.60	88.7	17.00	96.7	19.80	105.0	22.28	108.2	22.81	112.4	23.38	115.6	23.79
		163.5	81.9	14.32	88.7	16.73	96.7	19.48	105.0	21.92	108.2	22.45	112.4	23.01	115.6	23.42
		327.0	81.9	13.19	88.7	15.63	96.7	18.19	105.0	20.51	108.2	21.01	112.4	21.55	115.6	21.97
		408.8	81.9	12.81	88.7	15.30	96.7	17.82	105.0	20.10	108.2	20.61	112.4	21.14	115.6	21.46
		490.5	81.9	12.63	88.7	15.13	96.7	17.63	105.0	19.89	108.2	20.41	112.4	20.94	115.6	21.20

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	130.8	75.0	14.99	81.2	17.42	88.5	20.28	96.1	22.85	99.0	23.40	102.9	23.94	105.7	24.38
		163.5	75.0	14.69	81.2	17.14	88.5	19.95	96.1	22.48	99.0	23.02	102.9	23.57	105.7	24.00
		327.0	75.0	13.50	81.2	16.01	88.5	18.66	96.1	21.01	99.0	21.52	102.9	22.10	105.7	22.51
		408.8	75.0	13.13	81.2	15.68	88.5	18.29	96.1	20.60	99.0	21.12	102.9	21.66	105.7	21.99
		490.5	75.0	12.94	81.2	15.51	88.5	18.10	96.1	20.40	99.0	20.92	102.9	21.44	105.7	21.73
	40	130.8	68.0	16.13	73.7	18.73	80.2	21.84	87.2	24.58	89.8	25.16	93.3	25.77	95.9	26.24
		163.5	68.0	15.81	73.7	18.43	80.2	21.49	87.2	24.18	89.8	24.76	93.3	25.37	95.9	25.84
		327.0	68.0	14.55	73.7	17.24	80.2	20.09	87.2	22.61	89.8	23.16	93.3	23.77	95.9	24.24
		408.8	68.0	14.14	73.7	16.87	80.2	19.68	87.2	22.17	89.8	22.74	93.3	23.32	95.9	23.67
		490.5	68.0	13.93	73.7	16.68	80.2	19.47	87.2	21.95	89.8	22.53	93.3	23.10	95.9	23.38
	45	130.8	61.1	17.27	66.1	20.04	72.0	23.40	78.4	26.31	80.7	26.93	83.8	27.61	86.1	28.11
		163.5	61.1	16.94	66.1	19.73	72.0	23.02	78.4	25.88	80.7	26.50	83.8	27.17	86.1	27.67
		327.0	61.1	15.59	66.1	18.47	72.0	21.52	78.4	24.21	80.7	24.80	83.8	25.45	86.1	25.96
		408.8	61.1	15.15	66.1	18.06	72.0	21.07	78.4	23.74	80.7	24.36	83.8	24.99	86.1	25.34
		490.5	61.1	14.92	66.1	17.85	72.0	20.84	78.4	23.51	80.7	24.14	83.8	24.76	86.1	25.03
110	10	130.8	79.0	5.75	85.6	6.66	93.2	7.79	101.2	8.75	104.2	8.96	108.3	9.20	111.3	9.37
		163.5	79.0	5.63	85.6	6.56	93.2	7.66	101.2	8.61	104.2	8.82	108.3	9.06	111.3	9.22
		327.0	79.0	5.17	85.6	6.13	93.2	7.15	101.2	8.05	104.2	8.29	108.3	8.49	111.3	8.63
		408.8	79.0	5.04	85.6	6.01	93.2	6.99	101.2	7.93	104.2	8.08	108.3	8.32	111.3	8.41
		490.5	79.0	4.97	85.6	5.94	93.2	6.90	101.2	7.87	104.2	7.97	108.3	8.24	111.3	8.30
	15	130.8	78.5	7.70	85.1	8.95	92.6	10.43	100.7	11.75	103.6	12.02	107.7	12.32	110.7	12.54
		163.5	78.5	7.55	85.1	8.81	92.6	10.26	100.7	11.56	103.6	11.83	107.7	12.13	110.7	12.35
		327.0	78.5	6.94	85.1	8.23	92.6	9.60	100.7	10.81	103.6	11.08	107.7	11.36	110.7	11.57
		408.8	78.5	6.76	85.1	8.06	92.6	9.39	100.7	10.61	103.6	10.85	107.7	11.15	110.7	11.28
		490.5	78.5	6.67	85.1	7.98	92.6	9.28	100.7	10.51	103.6	10.74	107.7	11.04	110.7	11.14
	20	130.8	78.1	9.44	84.6	10.98	92.1	12.78	100.2	14.41	103.1	14.75	107.1	15.10	110.2	15.37
		163.5	78.1	9.25	84.6	10.81	92.1	12.58	100.2	14.18	103.1	14.51	107.1	14.86	110.2	15.13
		327.0	78.1	8.51	84.6	10.10	92.1	11.77	100.2	13.25	103.1	13.57	107.1	13.91	110.2	14.18
		408.8	78.1	8.29	84.6	9.89	92.1	11.52	100.2	12.99	103.1	13.32	107.1	13.66	110.2	13.83
		490.5	78.1	8.18	84.6	9.79	92.1	11.40	100.2	12.85	103.1	13.20	107.1	13.54	110.2	13.66
	25	130.8	78.1	11.55	84.6	13.44	92.1	15.65	100.2	17.63	103.1	18.04	107.1	18.48	110.2	18.82
		163.5	78.1	11.33	84.6	13.22	92.1	15.40	100.2	17.35	103.1	17.75	107.1	18.19	110.2	18.53
		327.0	78.1	10.43	84.6	12.37	92.1	14.41	100.2	16.22	103.1	16.62	107.1	17.04	110.2	17.37
		408.8	78.1	10.14	84.6	12.10	92.1	14.11	100.2	15.91	103.1	16.29	107.1	16.73	110.2	16.93
		490.5	78.1	9.99	84.6	11.97	92.1	13.96	100.2	15.75	103.1	16.12	107.1	16.57	110.2	16.71
	30	130.8	78.1	14.09	84.6	16.38	92.1	19.08	100.2	21.49	103.1	22.01	107.1	22.53	110.2	22.94
		163.5	78.1	13.81	84.6	16.12	92.1	18.77	100.2	21.14	103.1	21.66	107.1	22.17	110.2	22.58
		327.0	78.1	12.71	84.6	15.07	92.1	17.55	100.2	19.76	103.1	20.26	107.1	20.77	110.2	21.15
		408.8	78.1	12.37	84.6	14.76	92.1	17.20	100.2	19.38	103.1	19.86	107.1	20.37	110.2	20.64
		490.5	78.1	12.20	84.6	14.60	92.1	17.03	100.2	19.19	103.1	19.66	107.1	20.17	110.2	20.38
	35	130.8	72.8	14.67	78.8	17.04	85.8	19.83	93.3	22.35	96.1	22.87	99.9	23.43	102.6	23.86
		163.5	72.8	14.38	78.8	16.76	85.8	19.52	93.3	21.99	96.1	22.51	99.9	23.06	102.6	23.49
		327.0	72.8	13.22	78.8	15.67	85.8	18.26	93.3	20.56	96.1	21.05	99.9	21.59	102.6	22.00
		408.8	72.8	12.85	78.8	15.34	85.8	17.88	93.3	20.15	96.1	20.67	99.9	21.18	102.6	21.46
		490.5	72.8	12.67	78.8	15.17	85.8	17.69	93.3	19.95	96.1	20.48	99.9	20.98	102.6	21.19
	40	130.8	67.4	16.10	73.1	18.73	79.5	21.80	86.5	24.54	89.0	25.13	92.5	25.74	95.1	26.21
		163.5	67.4	15.78	73.1	18.42	79.5	21.45	86.5	24.14	89.0	24.72	92.5	25.33	95.1	25.80
		327.0	67.4	14.52	73.1	17.21	79.5	20.06	86.5	22.58	89.0	23.12	92.5	23.73	95.1	24.17
		408.8	67.4	14.11	73.1	16.84	79.5	19.65	86.5	22.13	89.0	22.71	92.5	23.29	95.1	23.56
		490.5	67.4	13.90	73.1	16.65	79.5	19.44	86.5	21.91	89.0	22.50	92.5	23.06	95.1	23.26
	45	130.8	62.1	17.54	67.3	20.41	73.2	23.77	79.6	26.72	82.0	27.38	85.2	28.05	87.5	28.56
		163.5	62.1	17.19	67.3	20.08	73.2	23.38	79.6	26.29	82.0	26.94	85.2	27.61	87.5	28.11
		327.0	62.1	15.81	67.3	18.75	73.2	21.86	79.6	24.60	82.0	25.20	85.2	25.88	87.5	26.34
		408.8	62.1	15.37	67.3	18.34	73.2	21.42	79.6	24.11	82.0	24.74	85.2	25.39	87.5	25.67
		490.5	62.1	15.14	67.3	18.14	73.2	21.20	79.6	23.87	82.0	24.51	85.2	25.15	87.5	25.33
100	10	130.8	74.2	5.44	80.4	6.32	87.6	7.30	95.2	8.28	98.1	8.42	101.9	8.68	104.7	8.83
		163.5	74.2	5.33	80.4	6.21	87.6	7.18	95.2	8.14	98.1	8.29	101.9	8.54	104.7	8.68
		327.0	74.2	4.90	80.4	5.80	87.6	6.73	95.2	7.61	98.1	7.78	101.9	7.97	104.7	8.13
		408.8	74.2	4.73	80.4	5.66	87.6	6.59	95.2	7.45	98.1	7.63	101.9	7.81	104.7	7.88
		490.5	74.2	4.65	80.4	5.59	87.6	6.52	95.2	7.36	98.1	7.55	101.9	7.73	104.7	7.76
	15	130.8	74.2	7.35	80.4	8.53	87.6	9.93	95.2	11.20	98.1	11.44	101.9	11.75	104.7	11.95
		163.5	74.2	7.21	80.4	8.40	87.6	9.77	95.2	11.01	98.1	11.26	101.9	11.56	104.7	11.76
		327.0	74.2	6.63	80.4	7.85	87.6	9.14	95.2	10.30	98.1	10.54	101.9	10.81	104.7	11.01
		408.8	74.2	6.43	80.4	7.68	87.6	8.95	95.2	10.09	98.1	10.34	101.9	10.61	104.7	10.71
		490.5	74.2	6.33	80.4	7.60	87.6	8.85	95.2	9.99	98.1	10.24	101.9	10.51	104.7	10.56

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	130.8	74.2	9.05	80.4	10.50	87.6	12.26	95.2	13.79	98.1	14.13	101.9	14.47	104.7	14.72
		163.5	74.2	8.87	80.4	10.34	87.6	12.06	95.2	13.57	98.1	13.90	101.9	14.24	104.7	14.49
		327.0	74.2	8.16	80.4	9.68	87.6	11.28	95.2	12.69	98.1	12.99	101.9	13.33	104.7	13.57
		408.8	74.2	7.93	80.4	9.48	87.6	11.04	95.2	12.44	98.1	12.75	101.9	13.09	104.7	13.22
		490.5	74.2	7.81	80.4	9.38	87.6	10.92	95.2	12.32	98.1	12.62	101.9	12.97	104.7	13.05
	25	130.8	74.2	11.03	80.4	12.82	87.6	14.94	95.2	16.83	98.1	17.24	101.9	17.66	104.7	17.96
		163.5	74.2	10.81	80.4	12.61	87.6	14.70	95.2	16.56	98.1	16.96	101.9	17.37	104.7	17.68
		327.0	74.2	9.96	80.4	11.80	87.6	13.74	95.2	15.47	98.1	15.85	101.9	16.25	104.7	16.56
		408.8	74.2	9.68	80.4	11.56	87.6	13.46	95.2	15.17	98.1	15.55	101.9	15.95	104.7	16.12
		490.5	74.2	9.54	80.4	11.44	87.6	13.32	95.2	15.01	98.1	15.39	101.9	15.79	104.7	15.90
	30	130.8	74.2	13.57	80.4	15.79	87.6	18.39	95.2	20.70	98.1	21.19	101.9	21.70	104.7	22.10
		163.5	74.2	13.30	80.4	15.54	87.6	18.09	95.2	20.36	98.1	20.85	101.9	21.35	104.7	21.75
		327.0	74.2	12.24	80.4	14.52	87.6	16.90	95.2	19.04	98.1	19.49	101.9	19.99	104.7	20.36
		408.8	74.2	11.90	80.4	14.21	87.6	16.56	95.2	18.67	98.1	19.14	101.9	19.62	104.7	19.82
		490.5	74.2	11.73	80.4	14.06	87.6	16.38	95.2	18.48	98.1	18.96	101.9	19.43	104.7	19.55
	35	130.8	70.6	14.33	76.4	16.65	83.2	19.39	90.4	21.84	93.1	22.36	96.8	22.91	99.5	23.32
		163.5	70.6	14.04	76.4	16.38	83.2	19.08	90.4	21.49	93.1	22.00	96.8	22.54	99.5	22.95
		327.0	70.6	12.92	76.4	15.33	83.2	17.85	90.4	20.10	93.1	20.57	96.8	21.11	99.5	21.49
		408.8	70.6	12.58	76.4	14.99	83.2	17.48	90.4	19.72	93.1	20.19	96.8	20.71	99.5	20.92
		490.5	70.6	12.40	76.4	14.83	83.2	17.29	90.4	19.53	93.1	20.00	96.8	20.51	99.5	20.63
	40	130.8	66.8	16.09	72.4	18.70	78.8	21.77	85.7	24.51	88.3	25.09	91.7	25.71	94.2	26.16
		163.5	66.8	15.77	72.4	18.39	78.8	21.42	85.7	24.11	88.3	24.69	91.7	25.29	94.2	25.74
		327.0	66.8	14.49	72.4	17.19	78.8	20.02	85.7	22.54	88.3	23.09	91.7	23.67	94.2	24.10
		408.8	66.8	14.10	72.4	16.82	78.8	19.61	85.7	22.11	88.3	22.65	91.7	23.23	94.2	23.47
		490.5	66.8	13.90	72.4	16.64	78.8	19.41	85.7	21.89	88.3	22.43	91.7	23.01	94.2	23.15
	45	130.8	63.1	17.85	68.3	20.74	74.4	24.16	80.9	27.18	83.4	27.82	86.6	28.51	89.0	28.99
		163.5	63.1	17.49	68.3	20.40	74.4	23.76	80.9	26.74	83.4	27.37	86.6	28.05	89.0	28.53
		327.0	63.1	16.06	68.3	19.06	74.4	22.19	80.9	24.99	83.4	25.60	86.6	26.23	89.0	26.72
		408.8	63.1	15.62	68.3	18.65	74.4	21.74	80.9	24.49	83.4	25.10	86.6	25.75	89.0	26.02
		490.5	63.1	15.40	68.3	18.45	74.4	21.52	80.9	24.25	83.4	24.85	86.6	25.51	89.0	25.66
90	10	130.8	66.8	4.64	72.4	5.39	78.8	6.29	85.7	7.11	88.3	7.24	91.7	7.40	94.2	7.61
		163.5	66.8	4.55	72.4	5.31	78.8	6.19	85.7	7.00	88.3	7.13	91.7	7.29	94.2	7.48
		327.0	66.8	4.20	72.4	4.99	78.8	5.81	85.7	6.55	88.3	6.70	91.7	6.89	94.2	7.00
		408.8	66.8	4.08	72.4	4.84	78.8	5.69	85.7	6.38	88.3	6.57	91.7	6.76	94.2	6.77
		490.5	66.8	4.02	72.4	4.76	78.8	5.63	85.7	6.29	88.3	6.50	91.7	6.70	94.2	6.66
	15	130.8	66.8	6.31	72.4	7.33	78.8	8.54	85.7	9.64	88.3	9.85	91.7	10.09	94.2	10.29
		163.5	66.8	6.19	72.4	7.22	78.8	8.41	85.7	9.48	88.3	9.69	91.7	9.93	94.2	10.13
		327.0	66.8	5.70	72.4	6.76	78.8	7.86	85.7	8.86	88.3	9.07	91.7	9.31	94.2	9.48
		408.8	66.8	5.54	72.4	6.60	78.8	7.71	85.7	8.67	88.3	8.90	91.7	9.14	94.2	9.22
		490.5	66.8	5.46	72.4	6.52	78.8	7.64	85.7	8.58	88.3	8.82	91.7	9.05	94.2	9.08
	20	130.8	66.8	7.80	72.4	9.06	78.8	10.55	85.7	11.89	88.3	12.16	91.7	12.48	94.2	12.68
		163.5	66.8	7.64	72.4	8.91	78.8	10.38	85.7	11.69	88.3	11.97	91.7	12.27	94.2	12.48
		327.0	66.8	7.04	72.4	8.33	78.8	9.69	85.7	10.92	88.3	11.19	91.7	11.46	94.2	11.69
		408.8	66.8	6.84	72.4	8.16	78.8	9.51	85.7	10.71	88.3	10.98	91.7	11.25	94.2	11.39
		490.5	66.8	6.73	72.4	8.07	78.8	9.42	85.7	10.61	88.3	10.87	91.7	11.15	94.2	11.23
	25	130.8	66.8	9.50	72.4	11.05	78.8	12.86	85.7	14.48	88.3	14.82	91.7	15.20	94.2	15.47
		163.5	66.8	9.31	72.4	10.87	78.8	12.65	85.7	14.25	88.3	14.58	91.7	14.96	94.2	15.22
		327.0	66.8	8.57	72.4	10.16	78.8	11.83	85.7	13.33	88.3	13.64	91.7	14.00	94.2	14.24
		408.8	66.8	8.33	72.4	9.93	78.8	11.60	85.7	13.06	88.3	13.39	91.7	13.74	94.2	13.87
		490.5	66.8	8.21	72.4	9.81	78.8	11.48	85.7	12.93	88.3	13.27	91.7	13.60	94.2	13.68
	30	130.8	66.8	11.68	72.4	13.59	78.8	15.82	85.7	17.83	88.3	18.24	91.7	18.69	94.2	19.03
		163.5	66.8	11.45	72.4	13.37	78.8	15.57	85.7	17.54	88.3	17.95	91.7	18.39	94.2	18.73
		327.0	66.8	10.54	72.4	12.48	78.8	14.56	85.7	16.38	88.3	16.79	91.7	17.20	94.2	17.52
		408.8	66.8	10.24	72.4	12.23	78.8	14.25	85.7	16.08	88.3	16.46	91.7	16.90	94.2	17.06
		490.5	66.8	10.09	72.4	12.11	78.8	14.10	85.7	15.93	88.3	16.29	91.7	16.75	94.2	16.83
	35	130.8	65.0	12.62	70.4	14.65	76.6	17.07	83.3	19.22	85.8	19.67	89.1	20.15	91.6	20.52
		163.5	65.0	12.37	70.4	14.41	76.6	16.79	83.3	18.91	85.8	19.35	89.1	19.83	91.6	20.19
		327.0	65.0	11.36	70.4	13.47	76.6	15.71	83.3	17.68	85.8	18.10	89.1	18.56	91.6	18.91
		408.8	65.0	11.05	70.4	13.19	76.6	15.37	83.3	17.34	85.8	17.77	89.1	18.22	91.6	18.40
		490.5	65.0	10.90	70.4	13.06	76.6	15.21	83.3	17.16	85.8	17.61	89.1	18.05	91.6	18.15
	40	130.8	63.1	14.49	68.4	16.83	74.4	19.60	80.9	22.08	83.4	22.60	86.6	23.15	89.0	23.56
		163.5	63.1	14.20	68.4	16.56	74.4	19.29	80.9	21.72	83.4	22.24	86.6	22.78	89.0	23.19
		327.0	63.1	13.06	68.4	15.48	74.4	18.05	80.9	20.31	83.4	20.80	86.6	21.32	89.0	21.72
		408.8	63.1	12.69	68.4	15.16	74.4	17.68	80.9	19.92	83.4	20.40	86.6	20.94	89.0	21.14
		490.5	63.1	12.50	68.4	14.99	74.4	17.49	80.9	19.72	83.4	20.20	86.6	20.74	89.0	20.85

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	130.8	61.3	16.36	66.4	19.00	72.3	22.13	78.5	24.95	81.0	25.53	84.0	26.15	86.4	26.60
		163.5	61.3	16.04	66.4	18.70	72.3	21.78	78.5	24.54	81.0	25.12	84.0	25.73	86.4	26.19
		327.0	61.3	14.76	66.4	17.49	72.3	20.39	78.5	22.93	81.0	23.51	84.0	24.08	86.4	24.54
		408.8	61.3	14.33	66.4	17.12	72.3	19.98	78.5	22.50	81.0	23.03	84.0	23.65	86.4	23.89
		490.5	61.3	14.11	66.4	16.93	72.3	19.78	78.5	22.28	81.0	22.79	84.0	23.43	86.4	23.56
80	10	130.8	59.4	3.93	64.3	4.52	70.1	5.26	76.1	5.98	78.4	6.08	81.5	6.25	83.8	6.32
		163.5	59.4	3.85	64.3	4.46	70.1	5.18	76.1	5.87	78.4	5.99	81.5	6.15	83.8	6.22
		327.0	59.4	3.52	64.3	4.21	70.1	4.87	76.1	5.47	78.4	5.62	81.5	5.72	83.8	5.83
		408.8	59.4	3.46	64.3	4.08	70.1	4.78	76.1	5.38	78.4	5.48	81.5	5.64	83.8	5.69
		490.5	59.4	3.43	64.3	4.02	70.1	4.74	76.1	5.33	78.4	5.41	81.5	5.60	83.8	5.61
	15	130.8	59.4	5.31	64.3	6.15	70.1	7.16	76.1	8.08	78.4	8.26	81.5	8.47	83.8	8.61
		163.5	59.4	5.20	64.3	6.05	70.1	7.04	76.1	7.95	78.4	8.13	81.5	8.33	83.8	8.47
		327.0	59.4	4.77	64.3	5.67	70.1	6.60	76.1	7.42	78.4	7.61	81.5	7.79	83.8	7.93
		408.8	59.4	4.66	64.3	5.54	70.1	6.46	76.1	7.28	78.4	7.45	81.5	7.65	83.8	7.72
		490.5	59.4	4.60	64.3	5.47	70.1	6.40	76.1	7.22	78.4	7.38	81.5	7.59	83.8	7.62
	20	130.8	59.4	6.53	64.3	7.60	70.1	8.85	76.1	9.96	78.4	10.20	81.5	10.44	83.8	10.64
		163.5	59.4	6.40	64.3	7.47	70.1	8.70	76.1	9.80	78.4	10.03	81.5	10.27	83.8	10.47
		327.0	59.4	5.88	64.3	6.98	70.1	8.13	76.1	9.15	78.4	9.38	81.5	9.62	83.8	9.80
		408.8	59.4	5.72	64.3	6.84	70.1	7.96	76.1	8.98	78.4	9.21	81.5	9.44	83.8	9.53
		490.5	59.4	5.64	64.3	6.76	70.1	7.87	76.1	8.89	78.4	9.12	81.5	9.35	83.8	9.40
	25	130.8	59.4	7.98	64.3	9.26	70.1	10.78	76.1	12.13	78.4	12.44	81.5	12.74	83.8	12.96
		163.5	59.4	7.82	64.3	9.11	70.1	10.61	76.1	11.94	78.4	12.23	81.5	12.54	83.8	12.76
		327.0	59.4	7.18	64.3	8.51	70.1	9.92	76.1	11.18	78.4	11.43	81.5	11.73	83.8	11.94
		408.8	59.4	6.98	64.3	8.33	70.1	9.72	76.1	10.95	78.4	11.22	81.5	11.52	83.8	11.62
		490.5	59.4	6.88	64.3	8.24	70.1	9.62	76.1	10.83	78.4	11.12	81.5	11.41	83.8	11.47
	30	130.8	59.4	9.79	64.3	11.38	70.1	13.27	76.1	14.93	78.4	15.27	81.5	15.65	83.8	15.95
		163.5	59.4	9.60	64.3	11.19	70.1	13.05	76.1	14.69	78.4	15.03	81.5	15.40	83.8	15.70
		327.0	59.4	8.83	64.3	10.47	70.1	12.20	76.1	13.74	78.4	14.07	81.5	14.42	83.8	14.69
		408.8	59.4	8.60	64.3	10.24	70.1	11.94	76.1	13.47	78.4	13.80	81.5	14.15	83.8	14.31
		490.5	59.4	8.48	64.3	10.13	70.1	11.80	76.1	13.34	78.4	13.67	81.5	14.01	83.8	14.12
	35	130.8	59.4	10.89	64.3	12.65	70.1	14.72	76.1	16.59	78.4	17.00	81.5	17.42	83.8	17.72
		163.5	59.4	10.67	64.3	12.44	70.1	14.49	76.1	16.33	78.4	16.73	81.5	17.14	83.8	17.44
		327.0	59.4	9.82	64.3	11.63	70.1	13.57	76.1	15.27	78.4	15.63	81.5	16.02	83.8	16.32
		408.8	59.4	9.55	64.3	11.39	70.1	13.29	76.1	14.97	78.4	15.34	81.5	15.74	83.8	15.88
		490.5	59.4	9.41	64.3	11.26	70.1	13.15	76.1	14.81	78.4	15.19	81.5	15.59	83.8	15.66
	40	130.8	59.4	12.90	64.3	14.99	70.1	17.46	76.1	19.66	78.4	20.12	81.5	20.62	83.8	20.97
		163.5	59.4	12.64	64.3	14.75	70.1	17.17	76.1	19.34	78.4	19.79	81.5	20.29	83.8	20.64
		327.0	59.4	11.62	64.3	13.78	70.1	16.05	76.1	18.09	78.4	18.50	81.5	18.97	83.8	19.32
		408.8	59.4	11.29	64.3	13.49	70.1	15.72	76.1	17.72	78.4	18.15	81.5	18.63	83.8	18.81
		490.5	59.4	11.12	64.3	13.35	70.1	15.55	76.1	17.53	78.4	17.98	81.5	18.46	83.8	18.56
	45	130.8	59.4	14.91	64.3	17.34	70.1	20.19	76.1	22.73	78.4	23.23	81.5	23.82	83.8	24.22
		163.5	59.4	14.61	64.3	17.05	70.1	19.86	76.1	22.36	78.4	22.86	81.5	23.44	83.8	23.84
		327.0	59.4	13.42	64.3	15.92	70.1	18.54	76.1	20.91	78.4	21.36	81.5	21.92	83.8	22.31
		408.8	59.4	13.03	64.3	15.59	70.1	18.14	76.1	20.47	78.4	20.97	81.5	21.52	83.8	21.74
		490.5	59.4	12.84	64.3	15.43	70.1	17.95	76.1	20.25	78.4	20.78	81.5	21.32	83.8	21.46
70	10	130.8	52.0	3.23	56.3	3.77	61.3	4.37	66.6	4.92	68.6	5.07	71.3	5.20	73.3	5.26
		163.5	52.0	3.17	56.3	3.71	61.3	4.30	66.6	4.85	68.6	4.99	71.3	5.12	73.3	5.18
		327.0	52.0	2.93	56.3	3.46	61.3	4.02	66.6	4.56	68.6	4.67	71.3	4.80	73.3	4.87
		408.8	52.0	2.86	56.3	3.38	61.3	3.96	66.6	4.46	68.6	4.56	71.3	4.68	73.3	4.74
		490.5	52.0	2.82	56.3	3.34	61.3	3.92	66.6	4.41	68.6	4.50	71.3	4.62	73.3	4.68
	15	130.8	52.0	4.40	56.3	5.12	61.3	5.95	66.6	6.70	68.6	6.87	71.3	7.04	73.3	7.16
		163.5	52.0	4.31	56.3	5.04	61.3	5.85	66.6	6.60	68.6	6.76	71.3	6.93	73.3	7.04
		327.0	52.0	3.97	56.3	4.70	61.3	5.47	66.6	6.18	68.6	6.32	71.3	6.49	73.3	6.60
		408.8	52.0	3.87	56.3	4.60	61.3	5.37	66.6	6.05	68.6	6.20	71.3	6.36	73.3	6.43
		490.5	52.0	3.81	56.3	4.55	61.3	5.32	66.6	5.99	68.6	6.13	71.3	6.29	73.3	6.34
	20	130.8	52.0	5.44	56.3	6.32	61.3	7.35	66.6	8.28	68.6	8.47	71.3	8.68	73.3	8.85
		163.5	52.0	5.33	56.3	6.22	61.3	7.24	66.6	8.15	68.6	8.33	71.3	8.54	73.3	8.70
		327.0	52.0	4.89	56.3	5.81	61.3	6.77	66.6	7.62	68.6	7.79	71.3	8.00	73.3	8.13
		408.8	52.0	4.76	56.3	5.68	61.3	6.63	66.6	7.47	68.6	7.65	71.3	7.85	73.3	7.92
		490.5	52.0	4.69	56.3	5.62	61.3	6.55	66.6	7.40	68.6	7.59	71.3	7.78	73.3	7.82
	25	130.8	52.0	6.62	56.3	7.71	61.3	8.96	66.6	10.09	68.6	10.33	71.3	10.58	73.3	10.78
		163.5	52.0	6.49	56.3	7.58	61.3	8.81	66.6	9.93	68.6	10.17	71.3	10.41	73.3	10.61
		327.0	52.0	5.98	56.3	7.07	61.3	8.25	66.6	9.28	68.6	9.51	71.3	9.76	73.3	9.93
		408.8	52.0	5.81	56.3	6.93	61.3	8.08	66.6	9.11	68.6	9.32	71.3	9.56	73.3	9.66
		490.5	52.0	5.72	56.3	6.86	61.3	8.00	66.6	9.02	68.6	9.22	71.3	9.46	73.3	9.53

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	130.8	52.0	8.15	56.3	9.46	61.3	11.02	66.6	12.41	68.6	12.71	71.3	13.02	73.3	13.27
		163.5	52.0	7.99	56.3	9.31	61.3	10.84	66.6	12.21	68.6	12.51	71.3	12.81	73.3	13.05
		327.0	52.0	7.34	56.3	8.70	61.3	10.14	66.6	11.42	68.6	11.70	71.3	12.00	73.3	12.20
		408.8	52.0	7.14	56.3	8.53	61.3	9.93	66.6	11.19	68.6	11.48	71.3	11.77	73.3	11.90
		490.5	52.0	7.04	56.3	8.44	61.3	9.82	66.6	11.08	68.6	11.37	71.3	11.65	73.3	11.75
	35	130.8	52.0	9.05	56.3	10.50	61.3	12.26	66.6	13.79	68.6	14.13	71.3	14.47	73.3	14.72
		163.5	52.0	8.87	56.3	10.34	61.3	12.06	66.6	13.57	68.6	13.90	71.3	14.24	73.3	14.49
		327.0	52.0	8.16	56.3	9.68	61.3	11.26	66.6	12.69	68.6	12.99	71.3	13.33	73.3	13.57
		408.8	52.0	7.93	56.3	9.46	61.3	11.04	66.6	12.44	68.6	12.75	71.3	13.08	73.3	13.22
		490.5	52.0	7.81	56.3	9.35	61.3	10.93	66.6	12.32	68.6	12.62	71.3	12.96	73.3	13.05
	40	130.8	52.0	10.72	56.3	12.44	61.3	14.51	66.6	16.34	68.6	16.73	71.3	17.13	73.3	17.44
		163.5	52.0	10.51	56.3	12.24	61.3	14.28	66.6	16.08	68.6	16.46	71.3	16.86	73.3	17.16
		327.0	52.0	9.66	56.3	11.46	61.3	13.36	66.6	15.03	68.6	15.39	71.3	15.77	73.3	16.08
		408.8	52.0	9.39	56.3	11.21	61.3	13.06	66.6	14.73	68.6	15.10	71.3	15.50	73.3	15.64
		490.5	52.0	9.25	56.3	11.09	61.3	12.91	66.6	14.57	68.6	14.95	71.3	15.36	73.3	15.42
	45	130.8	52.0	12.39	56.3	14.38	61.3	16.76	66.6	18.90	68.6	19.33	71.3	19.80	73.3	20.16
		163.5	52.0	12.15	56.3	14.15	61.3	16.50	66.6	18.59	68.6	19.02	71.3	19.48	73.3	19.84
		327.0	52.0	11.17	56.3	13.24	61.3	15.45	66.6	17.37	68.6	17.79	71.3	18.22	73.3	18.59
		408.8	52.0	10.84	56.3	12.97	61.3	15.08	66.6	17.01	68.6	17.45	71.3	17.92	73.3	18.06
		490.5	52.0	10.68	56.3	12.83	61.3	14.89	66.6	16.83	68.6	17.28	71.3	17.76	73.3	17.79
60	10	130.8	44.6	2.58	48.3	2.99	52.5	3.47	57.1	3.95	58.9	4.05	61.1	4.11	62.8	4.20
		163.5	44.6	2.53	48.3	2.94	52.5	3.42	57.1	3.88	58.9	3.98	61.1	4.06	62.8	4.14
		327.0	44.6	2.32	48.3	2.75	52.5	3.23	57.1	3.62	58.9	3.71	61.1	3.82	62.8	3.88
		408.8	44.6	2.24	48.3	2.72	52.5	3.17	57.1	3.56	58.9	3.64	61.1	3.73	62.8	3.79
		490.5	44.6	2.20	48.3	2.71	52.5	3.14	57.1	3.54	58.9	3.61	61.1	3.68	62.8	3.75
	15	130.8	44.6	3.51	48.3	4.08	52.5	4.74	57.1	5.35	58.9	5.49	61.1	5.60	62.8	5.71
		163.5	44.6	3.44	48.3	4.01	52.5	4.66	57.1	5.26	58.9	5.40	61.1	5.51	62.8	5.62
		327.0	44.6	3.16	48.3	3.74	52.5	4.38	57.1	4.92	58.9	5.04	61.1	5.17	62.8	5.26
		408.8	44.6	3.07	48.3	3.67	52.5	4.28	57.1	4.83	58.9	4.94	61.1	5.06	62.8	5.13
		490.5	44.6	3.02	48.3	3.64	52.5	4.24	57.1	4.78	58.9	4.89	61.1	5.01	62.8	5.06
	20	130.8	44.6	4.33	48.3	5.04	52.5	5.86	57.1	6.60	58.9	6.77	61.1	6.92	62.8	7.04
		163.5	44.6	4.25	48.3	4.96	52.5	5.77	57.1	6.49	58.9	6.66	61.1	6.81	62.8	6.93
		327.0	44.6	3.90	48.3	4.63	52.5	5.40	57.1	6.08	58.9	6.22	61.1	6.37	62.8	6.49
		408.8	44.6	3.80	48.3	4.52	52.5	5.27	57.1	5.95	58.9	6.09	61.1	6.25	62.8	6.32
		490.5	44.6	3.75	48.3	4.47	52.5	5.21	57.1	5.88	58.9	6.03	61.1	6.20	62.8	6.24
	25	130.8	44.6	5.27	48.3	6.15	52.5	7.15	57.1	8.05	58.9	8.23	61.1	8.43	62.8	8.60
		163.5	44.6	5.17	48.3	6.05	52.5	7.04	57.1	7.92	58.9	8.10	61.1	8.30	62.8	8.46
		327.0	44.6	4.76	48.3	5.65	52.5	6.57	57.1	7.41	58.9	7.58	61.1	7.78	62.8	7.92
		408.8	44.6	4.63	48.3	5.51	52.5	6.43	57.1	7.24	58.9	7.44	61.1	7.62	62.8	7.71
		490.5	44.6	4.56	48.3	5.44	52.5	6.37	57.1	7.16	58.9	7.38	61.1	7.55	62.8	7.61
	30	130.8	44.6	6.49	48.3	7.54	52.5	8.78	57.1	9.89	58.9	10.13	61.1	10.37	62.8	10.58
		163.5	44.6	6.36	48.3	7.42	52.5	8.64	57.1	9.73	58.9	9.97	61.1	10.21	62.8	10.41
		327.0	44.6	5.85	48.3	6.94	52.5	8.09	57.1	9.11	58.9	9.32	61.1	9.56	62.8	9.73
		408.8	44.6	5.68	48.3	6.80	52.5	7.92	57.1	8.94	58.9	9.15	61.1	9.39	62.8	9.48
		490.5	44.6	5.60	48.3	6.73	52.5	7.83	57.1	8.85	58.9	9.06	61.1	9.30	62.8	9.36
	35	130.8	44.6	7.22	48.3	8.39	52.5	9.78	57.1	10.99	58.9	11.26	61.1	11.54	62.8	11.75
		163.5	44.6	7.07	48.3	8.25	52.5	9.62	57.1	10.81	58.9	11.08	61.1	11.36	62.8	11.56
		327.0	44.6	6.50	48.3	7.71	52.5	8.98	57.1	10.13	58.9	10.37	61.1	10.61	62.8	10.81
		408.8	44.6	6.32	48.3	7.55	52.5	8.81	57.1	9.92	58.9	10.17	61.1	10.43	62.8	10.54
		490.5	44.6	6.23	48.3	7.47	52.5	8.72	57.1	9.82	58.9	10.07	61.1	10.34	62.8	10.40
	40	130.8	44.6	8.53	48.3	9.93	52.5	11.57	57.1	13.03	58.9	13.33	61.1	13.65	62.8	13.92
		163.5	44.6	8.37	48.3	9.77	52.5	11.39	57.1	12.81	58.9	13.12	61.1	13.43	62.8	13.70
		327.0	44.6	7.71	48.3	9.14	52.5	10.64	57.1	11.98	58.9	12.27	61.1	12.58	62.8	12.81
		408.8	44.6	7.48	48.3	8.94	52.5	10.43	57.1	11.74	58.9	12.03	61.1	12.35	62.8	12.47
		490.5	44.6	7.37	48.3	8.84	52.5	10.33	57.1	11.62	58.9	11.91	61.1	12.23	62.8	12.30
	45	130.8	44.6	9.85	48.3	11.46	52.5	13.37	57.1	15.06	58.9	15.40	61.1	15.75	62.8	16.10
		163.5	44.6	9.66	48.3	11.28	52.5	13.16	57.1	14.81	58.9	15.16	61.1	15.51	62.8	15.84
		327.0	44.6	8.92	48.3	10.57	52.5	12.31	57.1	13.82	58.9	14.18	61.1	14.54	62.8	14.81
		408.8	44.6	8.64	48.3	10.33	52.5	12.06	57.1	13.55	58.9	13.90	61.1	14.26	62.8	14.40
		490.5	44.6	8.50	48.3	10.21	52.5	11.94	57.1	13.42	58.9	13.76	61.1	14.12	62.8	14.20
50	10	130.8	37.1	1.93	40.2	2.22	43.8	2.64	47.6	2.91	49.0	2.99	50.9	3.09	52.3	3.14
		163.5	37.1	1.88	40.2	2.19	43.8	2.60	47.6	2.87	49.0	2.96	50.9	3.03	52.3	3.08
		327.0	37.1	1.72	40.2	2.06	43.8	2.42	47.6	2.72	49.0	2.81	50.9	2.82	52.3	2.87
		408.8	37.1	1.67	40.2	2.06	43.8	2.36	47.6	2.65	49.0	2.69	50.9	2.78	52.3	2.80
		490.5	37.1	1.65	40.2	2.05	43.8	2.33	47.6	2.61	49.0	2.63	50.9	2.77	52.3	2.76

Notes:
TC: Total Capacity(kW)   PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	130.8	37.1	2.61	40.2	3.04	43.8	3.55	47.6	3.97	49.0	4.08	50.9	4.18	52.3	4.26
		163.5	37.1	2.56	40.2	2.99	43.8	3.49	47.6	3.91	49.0	4.02	50.9	4.11	52.3	4.19
		327.0	37.1	2.35	40.2	2.79	43.8	3.27	47.6	3.67	49.0	3.77	50.9	3.85	52.3	3.91
		408.8	37.1	2.28	40.2	2.75	43.8	3.20	47.6	3.60	49.0	3.67	50.9	3.78	52.3	3.82
		490.5	37.1	2.25	40.2	2.73	43.8	3.17	47.6	3.56	49.0	3.63	50.9	3.75	52.3	3.77
	20	130.8	37.1	3.22	40.2	3.77	43.8	4.36	47.6	4.91	49.0	5.04	50.9	5.15	52.3	5.25
		163.5	37.1	3.16	40.2	3.70	43.8	4.29	47.6	4.84	49.0	4.96	50.9	5.07	52.3	5.17
		327.0	37.1	2.91	40.2	3.44	43.8	4.02	47.6	4.52	49.0	4.63	50.9	4.76	52.3	4.84
		408.8	37.1	2.83	40.2	3.37	43.8	3.94	47.6	4.45	49.0	4.55	50.9	4.66	52.3	4.72
		490.5	37.1	2.78	40.2	3.34	43.8	3.90	47.6	4.41	49.0	4.51	50.9	4.62	52.3	4.67
	25	130.8	37.1	3.92	40.2	4.57	43.8	5.32	47.6	6.01	49.0	6.15	50.9	6.29	52.3	6.39
		163.5	37.1	3.85	40.2	4.49	43.8	5.24	47.6	5.91	49.0	6.05	50.9	6.19	52.3	6.29
		327.0	37.1	3.54	40.2	4.21	43.8	4.90	47.6	5.51	49.0	5.65	50.9	5.79	52.3	5.91
		408.8	37.1	3.44	40.2	4.11	43.8	4.80	47.6	5.41	49.0	5.54	50.9	5.68	52.3	5.75
		490.5	37.1	3.38	40.2	4.06	43.8	4.75	47.6	5.35	49.0	5.49	50.9	5.63	52.3	5.67
	30	130.8	37.1	4.85	40.2	5.63	43.8	6.56	47.6	7.39	49.0	7.57	50.9	7.74	52.3	7.88
		163.5	37.1	4.75	40.2	5.54	43.8	6.45	47.6	7.27	49.0	7.44	50.9	7.62	52.3	7.75
		327.0	37.1	4.36	40.2	5.17	43.8	6.03	47.6	6.80	49.0	6.94	50.9	7.14	52.3	7.24
		408.8	37.1	4.25	40.2	5.06	43.8	5.91	47.6	6.66	49.0	6.83	50.9	7.00	52.3	7.07
		490.5	37.1	4.19	40.2	5.01	43.8	5.86	47.6	6.60	49.0	6.77	50.9	6.93	52.3	6.99
	35	130.8	37.1	5.38	40.2	6.25	43.8	7.29	47.6	8.19	49.0	8.40	50.9	8.60	52.3	8.74
		163.5	37.1	5.27	40.2	6.15	43.8	7.17	47.6	8.06	49.0	8.26	50.9	8.46	52.3	8.61
		327.0	37.1	4.86	40.2	5.75	43.8	6.70	47.6	7.55	49.0	7.72	50.9	7.92	52.3	8.06
		408.8	37.1	4.72	40.2	5.64	43.8	6.56	47.6	7.41	49.0	7.58	50.9	7.78	52.3	7.85
		490.5	37.1	4.66	40.2	5.58	43.8	6.49	47.6	7.34	49.0	7.51	50.9	7.71	52.3	7.75
	40	130.8	37.1	6.38	40.2	7.40	43.8	8.63	47.6	9.71	49.0	9.95	50.9	10.19	52.3	10.37
		163.5	37.1	6.25	40.2	7.28	43.8	8.49	47.6	9.56	49.0	9.79	50.9	10.02	52.3	10.21
		327.0	37.1	5.74	40.2	6.81	43.8	7.93	47.6	8.94	49.0	9.15	50.9	9.39	52.3	9.55
		408.8	37.1	5.58	40.2	6.66	43.8	7.78	47.6	8.77	49.0	8.98	50.9	9.21	52.3	9.29
		490.5	37.1	5.50	40.2	6.59	43.8	7.70	47.6	8.68	49.0	8.89	50.9	9.12	52.3	9.16
	45	130.8	37.1	7.39	40.2	8.55	43.8	9.98	47.6	11.24	49.0	11.50	50.9	11.77	52.3	12.00
		163.5	37.1	7.24	40.2	8.41	43.8	9.82	47.6	11.05	49.0	11.31	50.9	11.59	52.3	11.80
		327.0	37.1	6.63	40.2	7.86	43.8	9.16	47.6	10.33	49.0	10.58	50.9	10.85	52.3	11.03
		408.8	37.1	6.43	40.2	7.69	43.8	9.00	47.6	10.13	49.0	10.38	50.9	10.63	52.3	10.73
		490.5	37.1	6.34	40.2	7.61	43.8	8.92	47.6	10.03	49.0	10.28	50.9	10.53	52.3	10.57

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(36HP)

ARWN360LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	138.4	93.7	6.50	101.5	7.63	110.5	8.88	120.0	9.96	123.7	10.18	128.6	10.52	132.1	10.66
		173.0	93.7	6.39	101.5	7.49	110.5	8.73	120.0	9.80	123.7	10.03	128.6	10.34	132.1	10.50
		346.0	93.7	5.92	101.5	6.95	110.5	8.12	120.0	9.16	123.7	9.43	128.6	9.63	132.1	9.87
		432.5	93.7	5.75	101.5	6.86	110.5	7.99	120.0	8.96	123.7	9.23	128.6	9.47	132.1	9.59
		519.0	93.7	5.67	101.5	6.81	110.5	7.93	120.0	8.86	123.7	9.13	128.6	9.38	132.1	9.46
	15	138.4	92.2	8.58	99.9	9.99	108.7	11.65	118.1	13.08	121.7	13.40	126.4	13.75	130.0	13.98
		173.0	92.2	8.41	99.9	9.83	108.7	11.45	118.1	12.87	121.7	13.19	126.4	13.53	130.0	13.77
		346.0	92.2	7.75	99.9	9.17	108.7	10.69	118.1	12.04	121.7	12.35	126.4	12.67	130.0	12.94
		432.5	92.2	7.54	99.9	9.00	108.7	10.49	118.1	11.80	121.7	12.11	126.4	12.42	130.0	12.63
		519.0	92.2	7.44	99.9	8.91	108.7	10.38	118.1	11.68	121.7	11.99	126.4	12.30	130.0	12.47
	20	138.4	90.8	10.42	98.4	12.10	107.1	14.10	116.5	15.86	119.9	16.25	124.6	16.62	128.1	16.93
		173.0	90.8	10.21	98.4	11.90	107.1	13.88	116.5	15.61	119.9	15.99	124.6	16.37	128.1	16.68
		346.0	90.8	9.38	98.4	11.14	107.1	12.98	116.5	14.60	119.9	14.95	124.6	15.37	128.1	15.68
		432.5	90.8	9.14	98.4	10.90	107.1	12.70	116.5	14.33	119.9	14.67	124.6	15.05	128.1	15.33
		519.0	90.8	9.01	98.4	10.78	107.1	12.56	116.5	14.19	119.9	14.53	124.6	14.90	128.1	15.16
	25	138.4	90.8	12.85	98.4	14.91	107.1	17.38	116.5	19.60	119.9	20.05	124.6	20.53	128.1	20.87
		173.0	90.8	12.60	98.4	14.67	107.1	17.10	116.5	19.28	119.9	19.73	124.6	20.21	128.1	20.56
		346.0	90.8	11.59	98.4	13.74	107.1	15.99	116.5	18.00	119.9	18.45	124.6	18.96	128.1	19.31
		432.5	90.8	11.25	98.4	13.43	107.1	15.68	116.5	17.65	119.9	18.10	124.6	18.58	128.1	18.90
		519.0	90.8	11.07	98.4	13.27	107.1	15.52	116.5	17.48	119.9	17.93	124.6	18.39	128.1	18.69
	30	138.4	90.8	15.44	98.4	17.90	107.1	20.85	116.5	23.50	119.9	24.06	124.6	24.64	128.1	25.05
		173.0	90.8	15.12	98.4	17.62	107.1	20.52	116.5	23.12	119.9	23.67	124.6	24.26	128.1	24.67
		346.0	90.8	13.88	98.4	16.47	107.1	19.21	116.5	21.59	119.9	22.15	124.6	22.74	128.1	23.19
		432.5	90.8	13.50	98.4	16.13	107.1	18.79	116.5	21.18	119.9	21.73	124.6	22.29	128.1	22.67
		519.0	90.8	13.30	98.4	15.95	107.1	18.58	116.5	20.97	119.9	21.52	124.6	22.06	128.1	22.41
	35	138.4	81.8	15.57	88.5	18.12	96.4	21.11	104.8	23.74	107.9	24.34	112.2	24.93	115.3	25.33
		173.0	81.8	15.26	88.5	17.82	96.4	20.76	104.8	23.36	107.9	23.95	112.2	24.54	115.3	24.95
		346.0	81.8	14.05	88.5	16.65	96.4	19.41	104.8	21.87	107.9	22.39	112.2	22.98	115.3	23.46
		432.5	81.8	13.67	88.5	16.30	96.4	19.00	104.8	21.42	107.9	21.98	112.2	22.53	115.3	22.91
		519.0	81.8	13.48	88.5	16.13	96.4	18.79	104.8	21.20	107.9	21.77	112.2	22.30	115.3	22.63
	40	138.4	72.6	16.46	78.7	19.10	85.7	22.26	93.1	25.04	96.0	25.63	99.6	26.25	102.5	26.74
		173.0	72.6	16.13	78.7	18.79	85.7	21.91	93.1	24.64	96.0	25.23	99.6	25.85	102.5	26.34
		346.0	72.6	14.81	78.7	17.58	85.7	20.49	93.1	23.05	96.0	23.64	99.6	24.26	102.5	24.74
		432.5	72.6	14.40	78.7	17.20	85.7	20.04	93.1	22.60	96.0	23.19	99.6	23.78	102.5	24.19
		519.0	72.6	14.19	78.7	17.01	85.7	19.81	93.1	22.37	96.0	22.96	99.6	23.53	102.5	23.91
	45	138.4	63.5	17.35	69.0	20.08	74.9	23.42	81.5	26.35	84.0	26.92	87.1	27.58	89.7	28.15
		173.0	63.5	16.99	69.0	19.76	74.9	23.05	81.5	25.92	84.0	26.51	87.1	27.17	89.7	27.72
		346.0	63.5	15.57	69.0	18.51	74.9	21.56	81.5	24.23	84.0	24.88	87.1	25.54	89.7	26.02
		432.5	63.5	15.12	69.0	18.10	74.9	21.08	81.5	23.78	84.0	24.40	87.1	25.02	89.7	25.47
		519.0	63.5	14.90	69.0	17.89	74.9	20.83	81.5	23.55	84.0	24.15	87.1	24.76	89.7	25.19
120	10	138.4	88.7	6.20	96.0	7.23	104.6	8.38	113.7	9.44	117.0	9.73	121.7	9.96	125.0	10.07
		173.0	88.7	6.08	96.0	7.12	104.6	8.25	113.7	9.28	117.0	9.56	121.7	9.79	125.0	9.92
		346.0	88.7	5.58	96.0	6.65	104.6	7.75	113.7	8.68	117.0	8.88	121.7	9.11	125.0	9.32
		432.5	88.7	5.41	96.0	6.44	104.6	7.58	113.7	8.48	117.0	8.75	121.7	8.95	125.0	9.12
		519.0	88.7	5.32	96.0	6.34	104.6	7.50	113.7	8.38	117.0	8.69	121.7	8.87	125.0	9.02
	15	138.4	87.7	8.23	94.9	9.57	103.4	11.11	112.4	12.52	115.7	12.84	120.2	13.15	123.6	13.35
		173.0	87.7	8.06	94.9	9.41	103.4	10.94	112.4	12.32	115.7	12.63	120.2	12.94	123.6	13.15
		346.0	87.7	7.41	94.9	8.79	103.4	10.24	112.4	11.52	115.7	11.80	120.2	12.11	123.6	12.35
		432.5	87.7	7.20	94.9	8.58	103.4	10.04	112.4	11.28	115.7	11.59	120.2	11.87	123.6	12.08
		519.0	87.7	7.09	94.9	8.48	103.4	9.93	112.4	11.16	115.7	11.49	120.2	11.75	123.6	11.94
	20	138.4	86.7	10.03	94.0	11.65	102.4	13.54	111.2	15.26	114.6	15.61	119.0	15.99	122.3	16.27
		173.0	86.7	9.83	94.0	11.45	102.4	13.32	111.2	15.02	114.6	15.37	119.0	15.75	122.3	16.02
		346.0	86.7	9.03	94.0	10.69	102.4	12.46	111.2	14.05	114.6	14.40	119.0	14.78	122.3	15.05
		432.5	86.7	8.79	94.0	10.49	102.4	12.22	111.2	13.77	114.6	14.12	119.0	14.47	122.3	14.71
		519.0	86.7	8.67	94.0	10.38	102.4	12.09	111.2	13.63	114.6	13.98	119.0	14.31	122.3	14.53
	25	138.4	86.7	12.32	94.0	14.32	102.4	16.67	111.2	18.74	114.6	19.20	119.0	19.69	122.3	20.03
		173.0	86.7	12.08	94.0	14.09	102.4	16.40	111.2	18.45	114.6	18.90	119.0	19.38	122.3	19.73
		346.0	86.7	11.11	94.0	13.15	102.4	15.33	111.2	17.27	114.6	17.68	119.0	18.13	122.3	18.51
		432.5	86.7	10.80	94.0	12.87	102.4	15.02	111.2	16.92	114.6	17.34	119.0	17.79	122.3	18.06
		519.0	86.7	10.64	94.0	12.73	102.4	14.86	111.2	16.75	114.6	17.16	119.0	17.61	122.3	17.84
	30	138.4	86.7	14.86	94.0	17.31	102.4	20.16	111.2	22.69	114.6	23.21	119.0	23.80	122.3	24.22
		173.0	86.7	14.57	94.0	17.03	102.4	19.83	111.2	22.32	114.6	22.84	119.0	23.43	122.3	23.84
		346.0	86.7	13.43	94.0	15.92	102.4	18.51	111.2	20.87	114.6	21.39	119.0	21.94	122.3	22.36
		432.5	86.7	13.05	94.0	15.57	102.4	18.13	111.2	20.45	114.6	20.97	119.0	21.53	122.3	21.84
		519.0	86.7	12.86	94.0	15.40	102.4	17.94	111.2	20.24	114.6	20.76	119.0	21.32	122.3	21.58

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	138.4	79.4	15.26	86.0	17.73	93.7	20.65	101.7	23.25	104.8	23.81	108.9	24.36	111.9	24.82
		173.0	79.4	14.95	86.0	17.44	93.7	20.31	101.7	22.88	104.8	23.43	108.9	23.98	111.9	24.43
		346.0	79.4	13.74	86.0	16.30	93.7	19.00	101.7	21.39	104.8	21.91	108.9	22.49	111.9	22.91
		432.5	79.4	13.36	86.0	15.95	93.7	18.62	101.7	20.97	104.8	21.49	108.9	22.04	111.9	22.39
		519.0	79.4	13.17	86.0	15.78	93.7	18.43	101.7	20.76	104.8	21.28	108.9	21.82	111.9	22.13
	40	138.4	72.0	16.42	78.0	19.06	84.9	22.23	92.4	25.01	95.1	25.60	98.8	26.23	101.5	26.71
		173.0	72.0	16.09	78.0	18.76	84.9	21.87	92.4	24.61	95.1	25.19	98.8	25.82	101.5	26.30
		346.0	72.0	14.81	78.0	17.55	84.9	20.45	92.4	23.01	95.1	23.57	98.8	24.19	101.5	24.67
		432.5	72.0	14.40	78.0	17.17	84.9	20.04	92.4	22.56	95.1	23.15	98.8	23.74	101.5	24.09
		519.0	72.0	14.19	78.0	16.97	84.9	19.83	92.4	22.34	95.1	22.94	98.8	23.51	101.5	23.79
	45	138.4	64.6	17.58	70.0	20.40	76.2	23.81	83.0	26.76	85.5	27.40	88.7	28.10	91.1	28.61
		173.0	64.6	17.23	70.0	20.07	76.2	23.43	83.0	26.34	85.5	26.96	88.7	27.65	91.1	28.17
		346.0	64.6	15.88	70.0	18.79	76.2	21.91	83.0	24.64	85.5	25.23	88.7	25.89	91.1	26.44
		432.5	64.6	15.43	70.0	18.38	76.2	21.46	83.0	24.16	85.5	24.81	88.7	25.44	91.1	25.78
		519.0	64.6	15.21	70.0	18.17	76.2	21.23	83.0	23.91	85.5	24.60	88.7	25.21	91.1	25.45
110	10	138.4	83.6	5.85	90.7	6.78	98.7	7.94	107.2	8.91	110.3	9.10	114.8	9.39	117.8	9.52
		173.0	83.6	5.74	90.7	6.67	98.7	7.80	107.2	8.77	110.3	8.97	114.8	9.24	117.8	9.37
		346.0	83.6	5.27	90.7	6.23	98.7	7.27	107.2	8.20	110.3	8.44	114.8	8.64	117.8	8.77
		432.5	83.6	5.13	90.7	6.10	98.7	7.10	107.2	8.07	110.3	8.20	114.8	8.47	117.8	8.57
		519.0	83.6	5.07	90.7	6.03	98.7	7.01	107.2	8.01	110.3	8.08	114.8	8.39	117.8	8.47
	15	138.4	83.1	7.84	90.1	9.11	98.1	10.63	106.6	11.96	109.7	12.24	114.0	12.56	117.2	12.76
		173.0	83.1	7.68	90.1	8.96	98.1	10.45	106.6	11.77	109.7	12.04	114.0	12.35	117.2	12.56
		346.0	83.1	7.06	90.1	8.37	98.1	9.76	106.6	11.01	109.7	11.28	114.0	11.56	117.2	11.77
		432.5	83.1	6.89	90.1	8.20	98.1	9.55	106.6	10.80	109.7	11.04	114.0	11.35	117.2	11.49
		519.0	83.1	6.80	90.1	8.11	98.1	9.45	106.6	10.69	109.7	10.92	114.0	11.25	117.2	11.35
	20	138.4	82.7	9.61	89.6	11.19	97.5	13.01	106.1	14.67	109.2	15.02	113.4	15.37	116.7	15.64
		173.0	82.7	9.41	89.6	11.01	97.5	12.80	106.1	14.43	109.2	14.78	113.4	15.12	116.7	15.40
		346.0	82.7	8.65	89.6	10.28	97.5	11.97	106.1	13.50	109.2	13.81	113.4	14.15	116.7	14.43
		432.5	82.7	8.44	89.6	10.07	97.5	11.73	106.1	13.22	109.2	13.57	113.4	13.91	116.7	14.09
		519.0	82.7	8.34	89.6	9.97	97.5	11.61	106.1	13.08	109.2	13.44	113.4	13.79	116.7	13.91
	25	138.4	82.7	11.75	89.6	13.68	97.5	15.93	106.1	17.94	109.2	18.35	113.4	18.81	116.7	19.16
		173.0	82.7	11.52	89.6	13.46	97.5	15.68	106.1	17.65	109.2	18.06	113.4	18.51	116.7	18.86
		346.0	82.7	10.62	89.6	12.60	97.5	14.67	106.1	16.51	109.2	16.92	113.4	17.34	116.7	17.68
		432.5	82.7	10.31	89.6	12.32	97.5	14.36	106.1	16.20	109.2	16.58	113.4	17.03	116.7	17.23
		519.0	82.7	10.16	89.6	12.18	97.5	14.21	106.1	16.04	109.2	16.40	113.4	16.87	116.7	17.01
	30	138.4	82.7	14.33	89.6	16.67	97.5	19.42	106.1	21.88	109.2	22.40	113.4	22.92	116.7	23.35
		173.0	82.7	14.05	89.6	16.40	97.5	19.10	106.1	21.53	109.2	22.04	113.4	22.56	116.7	22.98
		346.0	82.7	12.94	89.6	15.33	97.5	17.86	106.1	20.11	109.2	20.63	113.4	21.14	116.7	21.53
		432.5	82.7	12.60	89.6	15.02	97.5	17.51	106.1	19.73	109.2	20.21	113.4	20.73	116.7	21.01
		519.0	82.7	12.42	89.6	14.86	97.5	17.34	106.1	19.53	109.2	20.00	113.4	20.52	116.7	20.74
	35	138.4	77.0	14.94	83.5	17.34	90.9	20.19	98.8	22.76	101.7	23.29	105.7	23.84	108.7	24.30
		173.0	77.0	14.64	83.5	17.06	90.9	19.86	98.8	22.39	101.7	22.91	105.7	23.46	108.7	23.91
		346.0	77.0	13.46	83.5	15.95	90.9	18.58	98.8	20.94	101.7	21.42	105.7	21.98	108.7	22.39
		432.5	77.0	13.08	83.5	15.61	90.9	18.20	98.8	20.52	101.7	21.04	105.7	21.56	108.7	21.84
		519.0	77.0	12.89	83.5	15.43	90.9	18.01	98.8	20.31	101.7	20.85	105.7	21.35	108.7	21.56
	40	138.4	71.4	16.38	77.4	19.07	84.2	22.20	91.6	24.97	94.3	25.57	98.0	26.19	100.7	26.69
		173.0	71.4	16.06	77.4	18.76	84.2	21.84	91.6	24.57	94.3	25.16	98.0	25.78	100.7	26.27
		346.0	71.4	14.78	77.4	17.51	84.2	20.42	91.6	22.98	94.3	23.53	98.0	24.16	100.7	24.61
		432.5	71.4	14.36	77.4	17.13	84.2	20.00	91.6	22.53	94.3	23.12	98.0	23.71	100.7	23.98
		519.0	71.4	14.15	77.4	16.94	84.2	19.79	91.6	22.30	94.3	22.91	98.0	23.48	100.7	23.67
	45	138.4	65.7	17.83	71.3	20.80	77.5	24.20	84.3	27.19	86.8	27.85	90.2	28.55	92.7	29.07
		173.0	65.7	17.48	71.3	20.45	77.5	23.81	84.3	26.75	86.8	27.41	90.2	28.10	92.7	28.62
		346.0	65.7	16.09	71.3	19.07	77.5	22.25	84.3	25.02	86.8	25.64	90.2	26.34	92.7	26.82
		432.5	65.7	15.64	71.3	18.65	77.5	21.80	84.3	24.54	86.8	25.19	90.2	25.85	92.7	26.13
		519.0	65.7	15.42	71.3	18.44	77.5	21.58	84.3	24.29	86.8	24.97	90.2	25.61	92.7	25.78
100	10	138.4	78.6	5.54	85.1	6.44	92.7	7.39	100.8	8.43	103.8	8.54	107.8	8.83	110.9	9.00
		173.0	78.6	5.43	85.1	6.33	92.7	7.28	100.8	8.29	103.8	8.42	107.8	8.69	110.9	8.86
		346.0	78.6	5.00	85.1	5.89	92.7	6.86	100.8	7.76	103.8	7.93	107.8	8.12	110.9	8.29
		432.5	78.6	4.83	85.1	5.76	92.7	6.69	100.8	7.59	103.8	7.76	107.8	7.96	110.9	8.02
		519.0	78.6	4.74	85.1	5.69	92.7	6.60	100.8	7.51	103.8	7.67	107.8	7.87	110.9	7.88
	15	138.4	78.6	7.49	85.1	8.69	92.7	10.09	100.8	11.40	103.8	11.64	107.8	11.96	110.9	12.17
		173.0	78.6	7.34	85.1	8.55	92.7	9.93	100.8	11.21	103.8	11.45	107.8	11.77	110.9	11.97
		346.0	78.6	6.75	85.1	7.99	92.7	9.31	100.8	10.49	103.8	10.73	107.8	11.01	110.9	11.21
		432.5	78.6	6.54	85.1	7.82	92.7	9.10	100.8	10.28	103.8	10.52	107.8	10.80	110.9	10.90
		519.0	78.6	6.44	85.1	7.73	92.7	9.00	100.8	10.17	103.8	10.42	107.8	10.69	110.9	10.74

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	138.4	78.6	9.22	85.1	10.69	92.7	12.49	100.8	14.04	103.8	14.39	107.8	14.74	110.9	14.98
		173.0	78.6	9.03	85.1	10.52	92.7	12.29	100.8	13.81	103.8	14.15	107.8	14.50	110.9	14.74
		346.0	78.6	8.31	85.1	9.86	92.7	11.49	100.8	12.91	103.8	13.22	107.8	13.57	110.9	13.81
		432.5	78.6	8.06	85.1	9.66	92.7	11.25	100.8	12.67	103.8	12.98	107.8	13.32	110.9	13.46
		519.0	78.6	7.94	85.1	9.55	92.7	11.13	100.8	12.54	103.8	12.86	107.8	13.20	110.9	13.29
	25	138.4	78.6	11.22	85.1	13.05	92.7	15.20	100.8	17.13	103.8	17.56	107.8	17.97	110.9	18.28
		173.0	78.6	11.01	85.1	12.84	92.7	14.95	100.8	16.85	103.8	17.27	107.8	17.68	110.9	18.00
		346.0	78.6	10.14	85.1	12.01	92.7	13.98	100.8	15.75	103.8	16.13	107.8	16.54	110.9	16.85
		432.5	78.6	9.86	85.1	11.77	92.7	13.70	100.8	15.43	103.8	15.82	107.8	16.23	110.9	16.40
		519.0	78.6	9.72	85.1	11.64	92.7	13.56	100.8	15.28	103.8	15.66	107.8	16.07	110.9	16.18
	30	138.4	78.6	13.80	85.1	16.08	92.7	18.72	100.8	21.07	103.8	21.56	107.8	22.08	110.9	22.51
		173.0	78.6	13.53	85.1	15.82	92.7	18.41	100.8	20.73	103.8	21.21	107.8	21.73	110.9	22.15
		346.0	78.6	12.46	85.1	14.78	92.7	17.20	100.8	19.38	103.8	19.83	107.8	20.35	110.9	20.73
		432.5	78.6	12.11	85.1	14.47	92.7	16.85	100.8	19.00	103.8	19.48	107.8	19.97	110.9	20.18
		519.0	78.6	11.94	85.1	14.31	92.7	16.68	100.8	18.81	103.8	19.31	107.8	19.78	110.9	19.90
	35	138.4	74.7	14.58	80.9	16.95	88.1	19.73	95.8	22.23	98.6	22.76	102.5	23.31	105.3	23.74
		173.0	74.7	14.29	80.9	16.68	88.1	19.41	95.8	21.87	98.6	22.39	102.5	22.94	105.3	23.36
		346.0	74.7	13.15	80.9	15.61	88.1	18.17	95.8	20.45	98.6	20.94	102.5	21.49	105.3	21.87
		432.5	74.7	12.80	80.9	15.26	88.1	17.79	95.8	20.07	98.6	20.56	102.5	21.08	105.3	21.28
		519.0	74.7	12.63	80.9	15.09	88.1	17.60	95.8	19.88	98.6	20.36	102.5	20.87	105.3	20.99
	40	138.4	70.7	16.39	76.6	19.03	83.5	22.16	90.7	24.94	93.4	25.54	97.1	26.17	99.7	26.62
		173.0	70.7	16.06	76.6	18.72	83.5	21.80	90.7	24.54	93.4	25.12	97.1	25.75	99.7	26.20
		346.0	70.7	14.74	76.6	17.51	83.5	20.38	90.7	22.94	93.4	23.50	97.1	24.09	99.7	24.54
		432.5	70.7	14.36	76.6	17.13	83.5	19.97	90.7	22.49	93.4	23.05	97.1	23.64	99.7	23.88
		519.0	70.7	14.17	76.6	16.94	83.5	19.76	90.7	22.27	93.4	22.82	97.1	23.41	99.7	23.55
	45	138.4	66.7	18.20	72.3	21.11	78.8	24.59	85.7	27.65	88.3	28.31	91.8	29.02	94.2	29.50
		173.0	66.7	17.82	72.3	20.76	78.8	24.19	85.7	27.20	88.3	27.86	91.8	28.55	94.2	29.04
		346.0	66.7	16.33	72.3	19.41	78.8	22.60	85.7	25.44	88.3	26.06	91.8	26.68	94.2	27.20
		432.5	66.7	15.92	72.3	19.00	78.8	22.15	85.7	24.92	88.3	25.54	91.8	26.20	94.2	26.47
		519.0	66.7	15.71	72.3	18.79	78.8	21.92	85.7	24.66	88.3	25.28	91.8	25.95	94.2	26.11
90	10	138.4	70.7	4.71	76.6	5.46	83.5	6.39	90.7	7.23	93.4	7.36	97.1	7.52	99.7	7.75
		173.0	70.7	4.62	76.6	5.39	83.5	6.29	90.7	7.12	93.4	7.25	97.1	7.42	99.7	7.63
		346.0	70.7	4.30	76.6	5.10	83.5	5.89	90.7	6.70	93.4	6.83	97.1	7.03	99.7	7.12
		432.5	70.7	4.16	76.6	4.92	83.5	5.79	90.7	6.49	93.4	6.69	97.1	6.90	99.7	6.89
		519.0	70.7	4.09	76.6	4.84	83.5	5.74	90.7	6.38	93.4	6.62	97.1	6.83	99.7	6.77
	15	138.4	70.7	6.42	76.6	7.45	83.5	8.69	90.7	9.81	93.4	10.02	97.1	10.26	99.7	10.48
		173.0	70.7	6.30	76.6	7.34	83.5	8.55	90.7	9.66	93.4	9.86	97.1	10.11	99.7	10.31
		346.0	70.7	5.81	76.6	6.89	83.5	7.99	90.7	9.03	93.4	9.24	97.1	9.48	99.7	9.66
		432.5	70.7	5.64	76.6	6.71	83.5	7.86	90.7	8.82	93.4	9.07	97.1	9.31	99.7	9.38
		519.0	70.7	5.55	76.6	6.63	83.5	7.79	90.7	8.72	93.4	8.98	97.1	9.22	99.7	9.24
	20	138.4	70.7	7.94	76.6	9.22	83.5	10.73	90.7	12.11	93.4	12.38	97.1	12.70	99.7	12.90
		173.0	70.7	7.79	76.6	9.07	83.5	10.56	90.7	11.90	93.4	12.18	97.1	12.49	99.7	12.70
		346.0	70.7	7.16	76.6	8.48	83.5	9.86	90.7	11.11	93.4	11.39	97.1	11.66	99.7	11.90
		432.5	70.7	6.96	76.6	8.31	83.5	9.69	90.7	10.90	93.4	11.18	97.1	11.45	99.7	11.59
		519.0	70.7	6.85	76.6	8.22	83.5	9.60	90.7	10.80	93.4	11.07	97.1	11.35	99.7	11.44
	25	138.4	70.7	9.67	76.6	11.26	83.5	13.08	90.7	14.74	93.4	15.09	97.1	15.47	99.7	15.76
		173.0	70.7	9.48	76.6	11.07	83.5	12.87	90.7	14.50	93.4	14.85	97.1	15.23	99.7	15.50
		346.0	70.7	8.72	76.6	10.35	83.5	12.04	90.7	13.57	93.4	13.88	97.1	14.26	99.7	14.50
		432.5	70.7	8.48	76.6	10.11	83.5	11.80	90.7	13.29	93.4	13.64	97.1	13.98	99.7	14.12
		519.0	70.7	8.36	76.6	9.98	83.5	11.68	90.7	13.15	93.4	13.51	97.1	13.84	99.7	13.93
	30	138.4	70.7	11.90	76.6	13.83	83.5	16.11	90.7	18.15	93.4	18.57	97.1	19.03	99.7	19.38
		173.0	70.7	11.66	76.6	13.60	83.5	15.85	90.7	17.86	93.4	18.27	97.1	18.72	99.7	19.07
		346.0	70.7	10.73	76.6	12.70	83.5	14.81	90.7	16.68	93.4	17.10	97.1	17.51	99.7	17.82
		432.5	70.7	10.42	76.6	12.46	83.5	14.50	90.7	16.37	93.4	16.75	97.1	17.20	99.7	17.37
		519.0	70.7	10.26	76.6	12.34	83.5	14.34	90.7	16.21	93.4	16.58	97.1	17.04	99.7	17.15
	35	138.4	68.8	12.86	74.5	14.92	81.1	17.38	88.2	19.56	90.8	20.01	94.4	20.50	97.0	20.89
		173.0	68.8	12.60	74.5	14.67	81.1	17.10	88.2	19.24	90.8	19.69	94.4	20.18	97.0	20.56
		346.0	68.8	11.56	74.5	13.70	81.1	15.99	88.2	18.00	90.8	18.41	94.4	18.90	97.0	19.24
		432.5	68.8	11.25	74.5	13.43	81.1	15.64	88.2	17.65	90.8	18.10	94.4	18.55	97.0	18.72
		519.0	68.8	11.09	74.5	13.29	81.1	15.47	88.2	17.48	90.8	17.94	94.4	18.38	97.0	18.46
	40	138.4	66.8	14.76	72.4	17.13	78.8	19.94	85.7	22.48	88.3	23.00	91.7	23.56	94.3	23.98
		173.0	66.8	14.47	72.4	16.85	78.8	19.62	85.7	22.11	88.3	22.63	91.7	23.19	94.3	23.60
		346.0	66.8	13.29	72.4	15.75	78.8	18.38	85.7	20.66	88.3	21.18	91.7	21.70	94.3	22.11
		432.5	66.8	12.91	72.4	15.43	78.8	18.00	85.7	20.28	88.3	20.76	91.7	21.32	94.3	21.53
		519.0	66.8	12.72	72.4	15.28	78.8	17.80	85.7	20.09	88.3	20.56	91.7	21.13	94.3	21.23

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	138.4	64.9	16.67	70.3	19.35	76.5	22.50	83.1	25.41	85.8	25.99	88.9	26.63	91.6	27.07
		173.0	64.9	16.33	70.3	19.03	76.5	22.15	83.1	24.99	85.8	25.57	88.9	26.20	91.6	26.65
		346.0	64.9	15.02	70.3	17.79	76.5	20.76	83.1	23.33	85.8	23.95	88.9	24.50	91.6	24.99
		432.5	64.9	14.57	70.3	17.44	76.5	20.35	83.1	22.91	85.8	23.43	88.9	24.09	91.6	24.33
		519.0	64.9	14.34	70.3	17.27	76.5	20.14	83.1	22.70	85.8	23.17	88.9	23.88	91.6	24.00
80	10	138.4	62.9	4.03	68.1	4.58	74.2	5.33	80.6	6.11	83.0	6.18	86.3	6.37	88.7	6.42
		173.0	62.9	3.93	68.1	4.52	74.2	5.26	80.6	6.00	83.0	6.09	86.3	6.26	88.7	6.32
		346.0	62.9	3.56	68.1	4.30	74.2	4.96	80.6	5.56	83.0	5.73	86.3	5.82	88.7	5.92
		432.5	62.9	3.53	68.1	4.16	74.2	4.86	80.6	5.46	83.0	5.55	86.3	5.72	88.7	5.79
		519.0	62.9	3.52	68.1	4.09	74.2	4.81	80.6	5.41	83.0	5.47	86.3	5.67	88.7	5.73
	15	138.4	62.9	5.41	68.1	6.26	74.2	7.28	80.6	8.24	83.0	8.40	86.3	8.62	88.7	8.76
		173.0	62.9	5.29	68.1	6.16	74.2	7.16	80.6	8.10	83.0	8.27	86.3	8.48	88.7	8.62
		346.0	62.9	4.85	68.1	5.78	74.2	6.71	80.6	7.54	83.0	7.75	86.3	7.93	88.7	8.06
		432.5	62.9	4.74	68.1	5.64	74.2	6.58	80.6	7.41	83.0	7.58	86.3	7.79	88.7	7.86
		519.0	62.9	4.69	68.1	5.57	74.2	6.51	80.6	7.34	83.0	7.49	86.3	7.72	88.7	7.75
	20	138.4	62.9	6.64	68.1	7.74	74.2	9.01	80.6	10.13	83.0	10.38	86.3	10.62	88.7	10.83
		173.0	62.9	6.51	68.1	7.61	74.2	8.86	80.6	9.97	83.0	10.21	86.3	10.45	88.7	10.66
		346.0	62.9	5.99	68.1	7.09	74.2	8.27	80.6	9.31	83.0	9.55	86.3	9.79	88.7	9.97
		432.5	62.9	5.81	68.1	6.96	74.2	8.10	80.6	9.14	83.0	9.38	86.3	9.62	88.7	9.69
		519.0	62.9	5.73	68.1	6.89	74.2	8.01	80.6	9.05	83.0	9.29	86.3	9.53	88.7	9.55
	25	138.4	62.9	8.13	68.1	9.43	74.2	10.97	80.6	12.34	83.0	12.67	86.3	12.98	88.7	13.19
		173.0	62.9	7.96	68.1	9.27	74.2	10.80	80.6	12.15	83.0	12.46	86.3	12.77	88.7	12.98
		346.0	62.9	7.30	68.1	8.65	74.2	10.11	80.6	11.39	83.0	11.63	86.3	11.94	88.7	12.15
		432.5	62.9	7.09	68.1	8.48	74.2	9.90	80.6	11.14	83.0	11.42	86.3	11.73	88.7	11.84
		519.0	62.9	6.99	68.1	8.39	74.2	9.79	80.6	11.02	83.0	11.32	86.3	11.63	88.7	11.68
	30	138.4	62.9	9.95	68.1	11.57	74.2	13.51	80.6	15.20	83.0	15.54	86.3	15.93	88.7	16.25
		173.0	62.9	9.76	68.1	11.39	74.2	13.29	80.6	14.95	83.0	15.30	86.3	15.68	88.7	15.99
		346.0	62.9	9.00	68.1	10.66	74.2	12.42	80.6	13.98	83.0	14.33	86.3	14.67	88.7	14.95
		432.5	62.9	8.76	68.1	10.42	74.2	12.15	80.6	13.70	83.0	14.05	86.3	14.40	88.7	14.57
		519.0	62.9	8.63	68.1	10.29	74.2	12.01	80.6	13.56	83.0	13.91	86.3	14.26	88.7	14.38
	35	138.4	62.9	11.09	68.1	12.88	74.2	14.98	80.6	16.88	83.0	17.31	86.3	17.73	88.7	18.04
		173.0	62.9	10.87	68.1	12.67	74.2	14.74	80.6	16.61	83.0	17.03	86.3	17.44	88.7	17.75
		346.0	62.9	10.00	68.1	11.84	74.2	13.81	80.6	15.54	83.0	15.92	86.3	16.30	88.7	16.61
		432.5	62.9	9.72	68.1	11.59	74.2	13.53	80.6	15.23	83.0	15.61	86.3	16.02	88.7	16.16
		519.0	62.9	9.59	68.1	11.47	74.2	13.39	80.6	15.07	83.0	15.45	86.3	15.88	88.7	15.93
	40	138.4	62.9	13.14	68.1	15.27	74.2	17.77	80.6	20.01	83.0	20.47	86.3	21.00	88.7	21.35
		173.0	62.9	12.87	68.1	15.02	74.2	17.48	80.6	19.69	83.0	20.14	86.3	20.66	88.7	21.01
		346.0	62.9	11.84	68.1	14.02	74.2	16.33	80.6	18.41	83.0	18.83	86.3	19.31	88.7	19.66
		432.5	62.9	11.49	68.1	13.74	74.2	15.99	80.6	18.03	83.0	18.48	86.3	18.96	88.7	19.14
		519.0	62.9	11.32	68.1	13.60	74.2	15.81	80.6	17.84	83.0	18.31	86.3	18.79	88.7	18.88
	45	138.4	62.9	15.19	68.1	17.67	74.2	20.55	80.6	23.15	83.0	23.64	86.3	24.27	88.7	24.65
		173.0	62.9	14.88	68.1	17.37	74.2	20.21	80.6	22.77	83.0	23.26	86.3	23.88	88.7	24.26
		346.0	62.9	13.67	68.1	16.20	74.2	18.86	80.6	21.28	83.0	21.73	86.3	22.32	88.7	22.70
		432.5	62.9	13.25	68.1	15.88	74.2	18.45	80.6	20.83	83.0	21.35	86.3	21.91	88.7	22.11
		519.0	62.9	13.05	68.1	15.73	74.2	18.24	80.6	20.61	83.0	21.16	86.3	21.70	88.7	21.82
70	10	138.4	55.1	3.29	59.6	3.83	65.0	4.42	70.5	4.99	72.6	5.18	75.5	5.31	77.6	5.33
		173.0	55.1	3.23	59.6	3.76	65.0	4.36	70.5	4.92	72.6	5.10	75.5	5.23	77.6	5.26
		346.0	55.1	3.00	59.6	3.49	65.0	4.09	70.5	4.66	72.6	4.76	75.5	4.90	77.6	4.96
		432.5	55.1	2.93	59.6	3.43	65.0	4.03	70.5	4.52	72.6	4.62	75.5	4.76	77.6	4.83
		519.0	55.1	2.90	59.6	3.39	65.0	3.99	70.5	4.46	72.6	4.55	75.5	4.69	77.6	4.76
	15	138.4	55.1	4.48	59.6	5.21	65.0	6.05	70.5	6.82	72.6	7.00	75.5	7.17	77.6	7.28
		173.0	55.1	4.40	59.6	5.12	65.0	5.95	70.5	6.71	72.6	6.89	75.5	7.06	77.6	7.16
		346.0	55.1	4.05	59.6	4.78	65.0	5.57	70.5	6.30	72.6	6.44	75.5	6.61	77.6	6.71
		432.5	55.1	3.95	59.6	4.67	65.0	5.47	70.5	6.16	72.6	6.30	75.5	6.47	77.6	6.54
		519.0	55.1	3.89	59.6	4.62	65.0	5.42	70.5	6.09	72.6	6.23	75.5	6.40	77.6	6.45
	20	138.4	55.1	5.55	59.6	6.44	65.0	7.49	70.5	8.45	72.6	8.62	75.5	8.83	77.6	9.01
		173.0	55.1	5.43	59.6	6.33	65.0	7.37	70.5	8.31	72.6	8.48	75.5	8.69	77.6	8.86
		346.0	55.1	4.98	59.6	5.92	65.0	6.89	70.5	7.75	72.6	7.93	75.5	8.13	77.6	8.27
		432.5	55.1	4.85	59.6	5.78	65.0	6.75	70.5	7.61	72.6	7.79	75.5	7.99	77.6	8.06
		519.0	55.1	4.78	59.6	5.71	65.0	6.68	70.5	7.54	72.6	7.72	75.5	7.92	77.6	7.96
	25	138.4	55.1	6.74	59.6	7.85	65.0	9.10	70.5	10.27	72.6	10.51	75.5	10.76	77.6	10.97
		173.0	55.1	6.61	59.6	7.72	65.0	8.96	70.5	10.11	72.6	10.35	75.5	10.59	77.6	10.80
		346.0	55.1	6.09	59.6	7.20	65.0	8.41	70.5	9.45	72.6	9.69	75.5	9.93	77.6	10.11
		432.5	55.1	5.92	59.6	7.06	65.0	8.24	70.5	9.27	72.6	9.48	75.5	9.72	77.6	9.83
		519.0	55.1	5.83	59.6	6.99	65.0	8.15	70.5	9.19	72.6	9.38	75.5	9.62	77.6	9.69

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	138.4	55.1	8.30	59.6	9.64	65.0	11.22	70.5	12.63	72.6	12.95	75.5	13.26	77.6	13.51
		173.0	55.1	8.13	59.6	9.48	65.0	11.04	70.5	12.42	72.6	12.74	75.5	13.05	77.6	13.29
		346.0	55.1	7.48	59.6	8.86	65.0	10.31	70.5	11.63	72.6	11.90	75.5	12.22	77.6	12.42
		432.5	55.1	7.27	59.6	8.69	65.0	10.11	70.5	11.39	72.6	11.70	75.5	11.97	77.6	12.11
		519.0	55.1	7.16	59.6	8.60	65.0	10.00	70.5	11.26	72.6	11.59	75.5	11.85	77.6	11.96
	35	138.4	55.1	9.22	59.6	10.69	65.0	12.50	70.5	14.04	72.6	14.39	75.5	14.74	77.6	14.98
		173.0	55.1	9.03	59.6	10.52	65.0	12.29	70.5	13.81	72.6	14.15	75.5	14.50	77.6	14.74
		346.0	55.1	8.31	59.6	9.86	65.0	11.45	70.5	12.91	72.6	13.22	75.5	13.57	77.6	13.81
		432.5	55.1	8.06	59.6	9.62	65.0	11.25	70.5	12.67	72.6	12.98	75.5	13.32	77.6	13.46
		519.0	55.1	7.94	59.6	9.50	65.0	11.14	70.5	12.54	72.6	12.86	75.5	13.20	77.6	13.29
	40	138.4	55.1	10.91	59.6	12.66	65.0	14.77	70.5	16.64	72.6	17.02	75.5	17.44	77.6	17.76
		173.0	55.1	10.69	59.6	12.46	65.0	14.54	70.5	16.37	72.6	16.75	75.5	17.17	77.6	17.48
		346.0	55.1	9.83	59.6	11.66	65.0	13.60	70.5	15.30	72.6	15.68	75.5	16.06	77.6	16.37
		432.5	55.1	9.55	59.6	11.42	65.0	13.29	70.5	14.98	72.6	15.37	75.5	15.78	77.6	15.92
		519.0	55.1	9.41	59.6	11.30	65.0	13.13	70.5	14.83	72.6	15.21	75.5	15.64	77.6	15.69
	45	138.4	55.1	12.61	59.6	14.63	65.0	17.05	70.5	19.24	72.6	19.65	75.5	20.15	77.6	20.53
		173.0	55.1	12.35	59.6	14.40	65.0	16.78	70.5	18.93	72.6	19.35	75.5	19.83	77.6	20.21
		346.0	55.1	11.35	59.6	13.46	65.0	15.75	70.5	17.68	72.6	18.13	75.5	18.55	77.6	18.93
		432.5	55.1	11.04	59.6	13.22	65.0	15.33	70.5	17.30	72.6	17.75	75.5	18.24	77.6	18.38
		519.0	55.1	10.88	59.6	13.10	65.0	15.12	70.5	17.11	72.6	17.56	75.5	18.08	77.6	18.10
60	10	138.4	47.2	2.61	51.1	3.04	55.6	3.50	60.4	4.03	62.3	4.14	64.7	4.18	66.5	4.25
		173.0	47.2	2.56	51.1	2.99	55.6	3.46	60.4	3.96	62.3	4.06	64.7	4.13	66.5	4.19
		346.0	47.2	2.36	51.1	2.79	55.6	3.30	60.4	3.69	62.3	3.76	64.7	3.90	66.5	3.96
		432.5	47.2	2.26	51.1	2.76	55.6	3.23	60.4	3.63	62.3	3.69	64.7	3.79	66.5	3.86
		519.0	47.2	2.21	51.1	2.75	55.6	3.20	60.4	3.60	62.3	3.66	64.7	3.74	66.5	3.81
	15	138.4	47.2	3.57	51.1	4.15	55.6	4.81	60.4	5.45	62.3	5.60	64.7	5.69	66.5	5.80
		173.0	47.2	3.50	51.1	4.08	55.6	4.74	60.4	5.36	62.3	5.50	64.7	5.61	66.5	5.71
		346.0	47.2	3.22	51.1	3.81	55.6	4.46	60.4	5.02	62.3	5.12	64.7	5.26	66.5	5.36
		432.5	47.2	3.11	51.1	3.74	55.6	4.36	60.4	4.91	62.3	5.02	64.7	5.16	66.5	5.23
		519.0	47.2	3.06	51.1	3.70	55.6	4.31	60.4	4.86	62.3	4.97	64.7	5.10	66.5	5.16
	20	138.4	47.2	4.41	51.1	5.14	55.6	5.98	60.4	6.71	62.3	6.90	64.7	7.04	66.5	7.17
		173.0	47.2	4.33	51.1	5.05	55.6	5.88	60.4	6.61	62.3	6.78	64.7	6.92	66.5	7.06
		346.0	47.2	3.98	51.1	4.71	55.6	5.50	60.4	6.19	62.3	6.33	64.7	6.47	66.5	6.61
		432.5	47.2	3.88	51.1	4.60	55.6	5.36	60.4	6.06	62.3	6.19	64.7	6.37	66.5	6.44
		519.0	47.2	3.82	51.1	4.55	55.6	5.29	60.4	5.99	62.3	6.12	64.7	6.32	66.5	6.35
	25	138.4	47.2	5.37	51.1	6.26	55.6	7.29	60.4	8.19	62.3	8.37	64.7	8.58	66.5	8.76
		173.0	47.2	5.26	51.1	6.16	55.6	7.16	60.4	8.06	62.3	8.24	64.7	8.44	66.5	8.62
		346.0	47.2	4.85	51.1	5.74	55.6	6.68	60.4	7.54	62.3	7.72	64.7	7.93	66.5	8.06
		432.5	47.2	4.71	51.1	5.61	55.6	6.54	60.4	7.37	62.3	7.58	64.7	7.75	66.5	7.86
		519.0	47.2	4.64	51.1	5.54	55.6	6.47	60.4	7.28	62.3	7.51	64.7	7.66	66.5	7.75
	30	138.4	47.2	6.60	51.1	7.67	55.6	8.93	60.4	10.05	62.3	10.31	64.7	10.55	66.5	10.76
		173.0	47.2	6.47	51.1	7.54	55.6	8.79	60.4	9.90	62.3	10.14	64.7	10.38	66.5	10.59
		346.0	47.2	5.95	51.1	7.06	55.6	8.24	60.4	9.27	62.3	9.48	64.7	9.72	66.5	9.90
		432.5	47.2	5.78	51.1	6.92	55.6	8.06	60.4	9.10	62.3	9.31	64.7	9.55	66.5	9.66
		519.0	47.2	5.69	51.1	6.85	55.6	7.98	60.4	9.01	62.3	9.22	64.7	9.46	66.5	9.53
	35	138.4	47.2	7.35	51.1	8.55	55.6	9.96	60.4	11.18	62.3	11.47	64.7	11.75	66.5	11.96
		173.0	47.2	7.20	51.1	8.41	55.6	9.79	60.4	11.01	62.3	11.28	64.7	11.56	66.5	11.77
		346.0	47.2	6.61	51.1	7.86	55.6	9.14	60.4	10.31	62.3	10.56	64.7	10.80	66.5	11.01
		432.5	47.2	6.44	51.1	7.68	55.6	8.96	60.4	10.11	62.3	10.35	64.7	10.62	66.5	10.73
		519.0	47.2	6.35	51.1	7.60	55.6	8.88	60.4	10.00	62.3	10.24	64.7	10.54	66.5	10.59
	40	138.4	47.2	8.68	51.1	10.09	55.6	11.79	60.4	13.27	62.3	13.58	64.7	13.89	66.5	14.17
		173.0	47.2	8.51	51.1	9.93	55.6	11.59	60.4	13.05	62.3	13.36	64.7	13.67	66.5	13.95
		346.0	47.2	7.86	51.1	9.31	55.6	10.83	60.4	12.18	62.3	12.49	64.7	12.80	66.5	13.05
		432.5	47.2	7.61	51.1	9.10	55.6	10.62	60.4	11.94	62.3	12.25	64.7	12.56	66.5	12.70
		519.0	47.2	7.49	51.1	9.00	55.6	10.52	60.4	11.82	62.3	12.13	64.7	12.44	66.5	12.53
	45	138.4	47.2	10.01	51.1	11.63	55.6	13.61	60.4	15.35	62.3	15.69	64.7	16.03	66.5	16.39
		173.0	47.2	9.83	51.1	11.45	55.6	13.39	60.4	15.09	62.3	15.43	64.7	15.78	66.5	16.13
		346.0	47.2	9.10	51.1	10.76	55.6	12.53	60.4	14.05	62.3	14.43	64.7	14.81	66.5	15.09
		432.5	47.2	8.79	51.1	10.52	55.6	12.29	60.4	13.77	62.3	14.15	64.7	14.50	66.5	14.67
		519.0	47.2	8.63	51.1	10.40	55.6	12.16	60.4	13.63	62.3	14.01	64.7	14.34	66.5	14.46
50	10	138.4	39.3	1.94	42.6	2.26	46.4	2.72	50.5	2.97	51.9	3.03	53.9	3.16	55.4	3.18
		173.0	39.3	1.89	42.6	2.23	46.4	2.67	50.5	2.93	51.9	2.99	53.9	3.10	55.4	3.13
		346.0	39.3	1.73	42.6	2.10	46.4	2.47	50.5	2.76	51.9	2.87	53.9	2.86	55.4	2.93
		432.5	39.3	1.70	42.6	2.10	46.4	2.40	50.5	2.70	51.9	2.73	53.9	2.83	55.4	2.82
		519.0	39.3	1.68	42.6	2.10	46.4	2.36	50.5	2.66	51.9	2.65	53.9	2.81	55.4	2.77

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	138.4	39.3	2.65	42.6	3.10	46.4	3.63	50.5	4.04	51.9	4.14	53.9	4.26	55.4	4.33
		173.0	39.3	2.60	42.6	3.05	46.4	3.56	50.5	3.98	51.9	4.08	53.9	4.19	55.4	4.26
		346.0	39.3	2.39	42.6	2.84	46.4	3.32	50.5	3.74	51.9	3.84	53.9	3.91	55.4	3.98
		432.5	39.3	2.32	42.6	2.80	46.4	3.25	50.5	3.67	51.9	3.74	53.9	3.84	55.4	3.88
		519.0	39.3	2.28	42.6	2.79	46.4	3.22	50.5	3.63	51.9	3.69	53.9	3.81	55.4	3.82
	20	138.4	39.3	3.28	42.6	3.84	46.4	4.43	50.5	4.99	51.9	5.14	53.9	5.24	55.4	5.35
		173.0	39.3	3.22	42.6	3.77	46.4	4.36	50.5	4.91	51.9	5.05	53.9	5.16	55.4	5.26
		346.0	39.3	2.98	42.6	3.50	46.4	4.08	50.5	4.60	51.9	4.71	53.9	4.85	55.4	4.91
		432.5	39.3	2.87	42.6	3.43	46.4	4.01	50.5	4.53	51.9	4.64	53.9	4.74	55.4	4.81
		519.0	39.3	2.82	42.6	3.39	46.4	3.98	50.5	4.50	51.9	4.60	53.9	4.69	55.4	4.76
	25	138.4	39.3	3.99	42.6	4.64	46.4	5.42	50.5	6.13	51.9	6.26	53.9	6.40	55.4	6.50
		173.0	39.3	3.91	42.6	4.57	46.4	5.33	50.5	6.02	51.9	6.16	53.9	6.30	55.4	6.40
		346.0	39.3	3.60	42.6	4.29	46.4	4.98	50.5	5.61	51.9	5.74	53.9	5.88	55.4	6.02
		432.5	39.3	3.50	42.6	4.19	46.4	4.88	50.5	5.50	51.9	5.64	53.9	5.78	55.4	5.85
		519.0	39.3	3.44	42.6	4.14	46.4	4.83	50.5	5.45	51.9	5.59	53.9	5.73	55.4	5.76
	30	138.4	39.3	4.95	42.6	5.74	46.4	6.69	50.5	7.53	51.9	7.71	53.9	7.87	55.4	8.02
		173.0	39.3	4.85	42.6	5.64	46.4	6.58	50.5	7.41	51.9	7.58	53.9	7.75	55.4	7.89
		346.0	39.3	4.43	42.6	5.26	46.4	6.13	50.5	6.92	51.9	7.06	53.9	7.27	55.4	7.37
		432.5	39.3	4.33	42.6	5.16	46.4	6.02	50.5	6.78	51.9	6.96	53.9	7.13	55.4	7.20
		519.0	39.3	4.27	42.6	5.10	46.4	5.97	50.5	6.71	51.9	6.90	53.9	7.06	55.4	7.11
	35	138.4	39.3	5.47	42.6	6.37	46.4	7.42	50.5	8.33	51.9	8.55	53.9	8.76	55.4	8.90
		173.0	39.3	5.36	42.6	6.26	46.4	7.30	50.5	8.20	51.9	8.41	53.9	8.62	55.4	8.76
		346.0	39.3	4.95	42.6	5.85	46.4	6.82	50.5	7.68	51.9	7.86	53.9	8.06	55.4	8.20
		432.5	39.3	4.81	42.6	5.74	46.4	6.68	50.5	7.54	51.9	7.72	53.9	7.93	55.4	7.99
		519.0	39.3	4.74	42.6	5.69	46.4	6.61	50.5	7.47	51.9	7.65	53.9	7.86	55.4	7.89
	40	138.4	39.3	6.50	42.6	7.53	46.4	8.80	50.5	9.88	51.9	10.13	53.9	10.38	55.4	10.55
		173.0	39.3	6.37	42.6	7.41	46.4	8.65	50.5	9.72	51.9	9.97	53.9	10.21	55.4	10.38
		346.0	39.3	5.85	42.6	6.92	46.4	8.06	50.5	9.10	51.9	9.31	53.9	9.55	55.4	9.72
		432.5	39.3	5.68	42.6	6.78	46.4	7.93	50.5	8.93	51.9	9.14	53.9	9.38	55.4	9.45
		519.0	39.3	5.59	42.6	6.71	46.4	7.86	50.5	8.84	51.9	9.05	53.9	9.29	55.4	9.31
	45	138.4	39.3	7.53	42.6	8.69	46.4	10.18	50.5	11.43	51.9	11.72	53.9	11.99	55.4	12.20
		173.0	39.3	7.37	42.6	8.55	46.4	10.00	50.5	11.25	51.9	11.52	53.9	11.80	55.4	12.01
		346.0	39.3	6.75	42.6	7.99	46.4	9.31	50.5	10.52	51.9	10.76	53.9	11.04	55.4	11.25
		432.5	39.3	6.54	42.6	7.82	46.4	9.17	50.5	10.31	51.9	10.56	53.9	10.83	55.4	10.90
		519.0	39.3	6.44	42.6	7.73	46.4	9.10	50.5	10.21	51.9	10.45	53.9	10.73	55.4	10.73

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(38HP)

ARWN380LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	146.0	98.9	7.01	107.1	8.22	116.6	9.57	126.7	10.73	130.6	10.98	135.7	11.34	139.5	11.49
		182.5	98.9	6.88	107.1	8.08	116.6	9.41	126.7	10.56	130.6	10.81	135.7	11.14	139.5	11.32
		365.0	98.9	6.38	107.1	7.49	116.6	8.76	126.7	9.88	130.6	10.17	135.7	10.38	139.5	10.64
		456.3	98.9	6.20	107.1	7.39	116.6	8.62	126.7	9.66	130.6	9.95	135.7	10.20	139.5	10.34
		547.5	98.9	6.11	107.1	7.34	116.6	8.55	126.7	9.55	130.6	9.84	135.7	10.11	139.5	10.19
	15	146.0	97.3	9.24	105.4	10.77	114.7	12.55	124.7	14.10	128.5	14.44	133.5	14.82	137.2	15.07
		182.5	97.3	9.06	105.4	10.59	114.7	12.35	124.7	13.88	128.5	14.21	133.5	14.59	137.2	14.85
		365.0	97.3	8.36	105.4	9.89	114.7	11.53	124.7	12.98	128.5	13.32	133.5	13.65	137.2	13.95
		456.3	97.3	8.13	105.4	9.70	114.7	11.30	124.7	12.72	128.5	13.06	133.5	13.39	137.2	13.62
		547.5	97.3	8.02	105.4	9.60	114.7	11.19	124.7	12.59	128.5	12.92	133.5	13.26	137.2	13.45
	20	146.0	95.9	11.23	103.8	13.04	113.1	15.20	122.9	17.10	126.6	17.52	131.5	17.92	135.2	18.25
		182.5	95.9	11.00	103.8	12.83	113.1	14.96	122.9	16.82	126.6	17.23	131.5	17.64	135.2	17.98
		365.0	95.9	10.11	103.8	12.01	113.1	13.99	122.9	15.74	126.6	16.12	131.5	16.56	135.2	16.90
		456.3	95.9	9.85	103.8	11.75	113.1	13.69	122.9	15.44	126.6	15.82	131.5	16.23	135.2	16.53
		547.5	95.9	9.72	103.8	11.62	113.1	13.54	122.9	15.29	126.6	15.67	131.5	16.06	135.2	16.34
	25	146.0	95.9	13.85	103.8	16.07	113.1	18.73	122.9	21.13	126.6	21.61	131.5	22.12	135.2	22.50
		182.5	95.9	13.58	103.8	15.82	113.1	18.43	122.9	20.78	126.6	21.26	131.5	21.79	135.2	22.16
		365.0	95.9	12.50	103.8	14.81	113.1	17.23	122.9	19.40	126.6	19.88	131.5	20.44	135.2	20.82
		456.3	95.9	12.12	103.8	14.47	113.1	16.90	122.9	19.02	126.6	19.51	131.5	20.03	135.2	20.37
		547.5	95.9	11.94	103.8	14.30	113.1	16.73	122.9	18.84	126.6	19.32	131.5	19.83	135.2	20.14
	30	146.0	95.9	16.64	103.8	19.30	113.1	22.48	122.9	25.33	126.6	25.93	131.5	26.56	135.2	27.00
		182.5	95.9	16.30	103.8	18.99	113.1	22.12	122.9	24.92	126.6	25.52	131.5	26.15	135.2	26.60
		365.0	95.9	14.96	103.8	17.76	113.1	20.70	122.9	23.28	126.6	23.87	131.5	24.51	135.2	24.99
		456.3	95.9	14.55	103.8	17.38	113.1	20.26	122.9	22.83	126.6	23.43	131.5	24.02	135.2	24.43
		547.5	95.9	14.34	103.8	17.20	113.1	20.03	122.9	22.60	126.6	23.20	131.5	23.78	135.2	24.15
	35	146.0	86.3	16.78	93.4	19.53	101.7	22.75	110.6	25.59	113.9	26.24	118.4	26.87	121.7	27.30
		182.5	86.3	16.45	93.4	19.21	101.7	22.38	110.6	25.18	113.9	25.81	118.4	26.45	121.7	26.90
		365.0	86.3	15.15	93.4	17.94	101.7	20.93	110.6	23.58	113.9	24.14	118.4	24.77	121.7	25.29
		456.3	86.3	14.73	93.4	17.57	101.7	20.48	110.6	23.09	113.9	23.69	118.4	24.28	121.7	24.69
		547.5	86.3	14.53	93.4	17.38	101.7	20.25	110.6	22.85	113.9	23.46	118.4	24.04	121.7	24.39
	40	146.0	76.7	17.74	83.1	20.59	90.4	24.00	98.3	26.99	101.3	27.63	105.2	28.30	108.2	28.82
		182.5	76.7	17.38	83.1	20.26	90.4	23.61	98.3	26.56	101.3	27.19	105.2	27.87	108.2	28.39
		365.0	76.7	15.97	83.1	18.95	90.4	22.08	98.3	24.84	101.3	25.48	105.2	26.15	108.2	26.67
		456.3	76.7	15.52	83.1	18.54	90.4	21.60	98.3	24.36	101.3	24.99	105.2	25.63	108.2	26.08
		547.5	76.7	15.29	83.1	18.33	90.4	21.35	98.3	24.11	101.3	24.75	105.2	25.36	108.2	25.77
	45	146.0	67.0	18.70	72.8	21.64	79.1	25.25	86.0	28.40	88.6	29.02	92.0	29.73	94.6	30.34
		182.5	67.0	18.32	72.8	21.30	79.1	24.84	86.0	27.94	88.6	28.57	92.0	29.28	94.6	29.88
		365.0	67.0	16.79	72.8	19.96	79.1	23.24	86.0	26.11	88.6	26.82	92.0	27.53	94.6	28.05
		456.3	67.0	16.30	72.8	19.51	79.1	22.72	86.0	25.63	88.6	26.30	92.0	26.97	94.6	27.46
		547.5	67.0	16.06	72.8	19.28	79.1	22.45	86.0	25.38	88.6	26.04	92.0	26.69	94.6	27.15
120	10	146.0	93.7	6.69	101.3	7.80	110.4	9.03	120.0	10.17	123.5	10.48	128.4	10.74	132.0	10.86
		182.5	93.7	6.55	101.3	7.67	110.4	8.89	120.0	10.01	123.5	10.30	128.4	10.55	132.0	10.69
		365.0	93.7	6.01	101.3	7.17	110.4	8.36	120.0	9.36	123.5	9.57	128.4	9.82	132.0	10.04
		456.3	93.7	5.83	101.3	6.94	110.4	8.17	120.0	9.14	123.5	9.43	128.4	9.65	132.0	9.83
		547.5	93.7	5.74	101.3	6.83	110.4	8.08	120.0	9.03	123.5	9.36	128.4	9.56	132.0	9.72
	15	146.0	92.5	8.87	100.2	10.32	109.2	11.98	118.6	13.50	122.2	13.84	126.9	14.18	130.5	14.39
		182.5	92.5	8.69	100.2	10.15	109.2	11.79	118.6	13.28	122.2	13.62	126.9	13.95	130.5	14.18
		365.0	92.5	7.98	100.2	9.48	109.2	11.04	118.6	12.42	122.2	12.72	126.9	13.06	130.5	13.32
		456.3	92.5	7.76	100.2	9.25	109.2	10.82	118.6	12.16	122.2	12.50	126.9	12.80	130.5	13.02
		547.5	92.5	7.65	100.2	9.14	109.2	10.71	118.6	12.03	122.2	12.38	126.9	12.66	130.5	12.87
	20	146.0	91.5	10.81	99.2	12.55	108.1	14.60	117.4	16.45	120.9	16.83	125.6	17.24	129.1	17.54
		182.5	91.5	10.59	99.2	12.35	108.1	14.36	117.4	16.19	120.9	16.56	125.6	16.97	129.1	17.27
		365.0	91.5	9.74	99.2	11.53	108.1	13.43	117.4	15.15	120.9	15.52	125.6	15.93	129.1	16.23
		456.3	91.5	9.48	99.2	11.30	108.1	13.17	117.4	14.85	120.9	15.22	125.6	15.59	129.1	15.85
		547.5	91.5	9.34	99.2	11.19	108.1	13.04	117.4	14.70	120.9	15.07	125.6	15.42	129.1	15.67
	25	146.0	91.5	13.28	99.2	15.44	108.1	17.97	117.4	20.20	120.9	20.70	125.6	21.23	129.1	21.59
		182.5	91.5	13.02	99.2	15.18	108.1	17.68	117.4	19.88	120.9	20.37	125.6	20.89	129.1	21.26
		365.0	91.5	11.97	99.2	14.18	108.1	16.53	117.4	18.61	120.9	19.06	125.6	19.55	129.1	19.96
		456.3	91.5	11.64	99.2	13.88	108.1	16.19	117.4	18.24	120.9	18.69	125.6	19.17	129.1	19.47
		547.5	91.5	11.47	99.2	13.73	108.1	16.02	117.4	18.05	120.9	18.50	125.6	18.99	129.1	19.23
	30	146.0	91.5	16.02	99.2	18.65	108.1	21.73	117.4	24.46	120.9	25.02	125.6	25.66	129.1	26.11
		182.5	91.5	15.70	99.2	18.35	108.1	21.37	117.4	24.06	120.9	24.62	125.6	25.25	129.1	25.70
		365.0	91.5	14.47	99.2	17.16	108.1	19.96	117.4	22.49	120.9	23.05	125.6	23.65	129.1	24.10
		456.3	91.5	14.06	99.2	16.79	108.1	19.55	117.4	22.05	120.9	22.61	125.6	23.20	129.1	23.54
		547.5	91.5	13.86	99.2	16.60	108.1	19.34	117.4	21.82	120.9	22.38	125.6	22.98	129.1	23.26

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	146.0	83.8	16.44	90.8	19.11	98.9	22.26	107.4	25.06	110.6	25.67	114.9	26.26	118.2	26.75
		182.5	83.8	16.12	90.8	18.80	98.9	21.90	107.4	24.66	110.6	25.25	114.9	25.85	118.2	26.34
		365.0	83.8	14.81	90.8	17.57	98.9	20.48	107.4	23.05	110.6	23.61	114.9	24.25	118.2	24.69
		456.3	83.8	14.40	90.8	17.20	98.9	20.07	107.4	22.61	110.6	23.17	114.9	23.76	118.2	24.14
		547.5	83.8	14.19	90.8	17.01	98.9	19.86	107.4	22.38	110.6	22.94	114.9	23.52	118.2	23.85
	40	146.0	76.0	17.69	82.3	20.55	89.6	23.96	97.5	26.96	100.4	27.60	104.3	28.27	107.2	28.79
		182.5	76.0	17.35	82.3	20.22	89.6	23.58	97.5	26.52	100.4	27.16	104.3	27.83	107.2	28.35
		365.0	76.0	15.97	82.3	18.91	89.6	22.05	97.5	24.81	100.4	25.40	104.3	26.08	107.2	26.60
		456.3	76.0	15.52	82.3	18.50	89.6	21.60	97.5	24.32	100.4	24.96	104.3	25.59	107.2	25.96
		547.5	76.0	15.29	82.3	18.30	89.6	21.37	97.5	24.08	100.4	24.73	104.3	25.35	107.2	25.64
	45	146.0	68.2	18.94	73.9	21.98	80.4	25.67	87.6	28.85	90.2	29.53	93.6	30.29	96.2	30.84
		182.5	68.2	18.58	73.9	21.64	80.4	25.25	87.6	28.39	90.2	29.06	93.6	29.81	96.2	30.37
		365.0	68.2	17.12	73.9	20.26	80.4	23.61	87.6	26.56	90.2	27.19	93.6	27.90	96.2	28.50
		456.3	68.2	16.64	73.9	19.81	80.4	23.13	87.6	26.04	90.2	26.75	93.6	27.42	96.2	27.79
		547.5	68.2	16.39	73.9	19.58	80.4	22.88	87.6	25.77	90.2	26.52	93.6	27.17	96.2	27.43
110	10	146.0	88.3	6.31	95.7	7.30	104.1	8.56	113.1	9.61	116.5	9.81	121.1	10.12	124.3	10.26
		182.5	88.3	6.18	95.7	7.19	104.1	8.41	113.1	9.45	116.5	9.67	121.1	9.96	124.3	10.10
		365.0	88.3	5.68	95.7	6.72	104.1	7.83	113.1	8.84	116.5	9.10	121.1	9.31	124.3	9.45
		456.3	88.3	5.53	95.7	6.57	104.1	7.65	113.1	8.70	116.5	8.84	121.1	9.13	124.3	9.24
		547.5	88.3	5.46	95.7	6.50	104.1	7.56	113.1	8.63	116.5	8.70	121.1	9.04	124.3	9.13
	15	146.0	87.8	8.45	95.1	9.82	103.5	11.45	112.5	12.89	115.8	13.19	120.4	13.53	123.7	13.76
		182.5	87.8	8.28	95.1	9.66	103.5	11.27	112.5	12.68	115.8	12.98	120.4	13.32	123.7	13.54
		365.0	87.8	7.61	95.1	9.03	103.5	10.52	112.5	11.86	115.8	12.16	120.4	12.46	123.7	12.68
		456.3	87.8	7.42	95.1	8.84	103.5	10.30	112.5	11.64	115.8	11.90	120.4	12.24	123.7	12.38
		547.5	87.8	7.33	95.1	8.75	103.5	10.18	112.5	11.53	115.8	11.77	120.4	12.12	123.7	12.23
	20	146.0	87.3	10.35	94.5	12.06	103.0	14.03	111.9	15.81	115.3	16.19	119.7	16.57	123.2	16.86
		182.5	87.3	10.15	94.5	11.86	103.0	13.80	111.9	15.56	115.3	15.93	119.7	16.30	123.2	16.60
		365.0	87.3	9.33	94.5	11.08	103.0	12.91	111.9	14.55	115.3	14.88	119.7	15.26	123.2	15.56
		456.3	87.3	9.10	94.5	10.86	103.0	12.65	111.9	14.25	115.3	14.62	119.7	15.00	123.2	15.18
		547.5	87.3	8.99	94.5	10.74	103.0	12.51	111.9	14.10	115.3	14.49	119.7	14.86	123.2	14.99
	25	146.0	87.3	12.67	94.5	14.75	103.0	17.17	111.9	19.34	115.3	19.78	119.7	20.28	123.2	20.65
		182.5	87.3	12.42	94.5	14.51	103.0	16.90	111.9	19.02	115.3	19.47	119.7	19.96	123.2	20.33
		365.0	87.3	11.45	94.5	13.58	103.0	15.82	111.9	17.79	115.3	18.24	119.7	18.69	123.2	19.06
		456.3	87.3	11.12	94.5	13.28	103.0	15.48	111.9	17.46	115.3	17.87	119.7	18.35	123.2	18.58
		547.5	87.3	10.95	94.5	13.13	103.0	15.31	111.9	17.29	115.3	17.68	119.7	18.18	123.2	18.33
	30	146.0	87.3	15.45	94.5	17.97	103.0	20.93	111.9	23.59	115.3	24.15	119.7	24.71	123.2	25.17
		182.5	87.3	15.15	94.5	17.68	103.0	20.59	111.9	23.20	115.3	23.76	119.7	24.32	123.2	24.77
		365.0	87.3	13.95	94.5	16.53	103.0	19.25	111.9	21.67	115.3	22.23	119.7	22.79	123.2	23.20
		456.3	87.3	13.58	94.5	16.19	103.0	18.88	111.9	21.26	115.3	21.79	119.7	22.34	123.2	22.64
		547.5	87.3	13.39	94.5	16.02	103.0	18.69	111.9	21.06	115.3	21.56	119.7	22.12	123.2	22.36
	35	146.0	81.3	16.10	88.1	18.69	96.0	21.76	104.3	24.53	107.4	25.10	111.6	25.70	114.7	26.19
		182.5	81.3	15.78	88.1	18.39	96.0	21.41	104.3	24.14	107.4	24.69	111.6	25.29	114.7	25.78
		365.0	81.3	14.51	88.1	17.20	96.0	20.03	104.3	22.57	107.4	23.09	111.6	23.69	114.7	24.14
		456.3	81.3	14.10	88.1	16.82	96.0	19.62	104.3	22.12	107.4	22.68	111.6	23.24	114.7	23.54
		547.5	81.3	13.89	88.1	16.64	96.0	19.41	104.3	21.90	107.4	22.47	111.6	23.01	114.7	23.24
	40	146.0	75.3	17.66	81.7	20.56	88.9	23.92	96.6	26.92	99.5	27.56	103.4	28.23	106.3	28.77
		182.5	75.3	17.31	81.7	20.22	88.9	23.54	96.6	26.49	99.5	27.12	103.4	27.79	106.3	28.31
		365.0	75.3	15.93	81.7	18.88	88.9	22.01	96.6	24.77	99.5	25.37	103.4	26.04	106.3	26.52
		456.3	75.3	15.48	81.7	18.47	88.9	21.56	96.6	24.28	99.5	24.92	103.4	25.55	106.3	25.85
		547.5	75.3	15.26	81.7	18.26	88.9	21.34	96.6	24.04	99.5	24.69	103.4	25.31	106.3	25.51
	45	146.0	69.3	19.22	75.2	22.42	81.8	26.09	89.0	29.31	91.6	30.02	95.2	30.77	97.9	31.34
		182.5	69.3	18.84	75.2	22.05	81.8	25.66	89.0	28.84	91.6	29.54	95.2	30.29	97.9	30.85
		365.0	69.3	17.35	75.2	20.55	81.8	23.99	89.0	26.97	91.6	27.64	95.2	28.39	97.9	28.91
		456.3	69.3	16.86	75.2	20.11	81.8	23.50	89.0	26.45	91.6	27.16	95.2	27.87	97.9	28.16
		547.5	69.3	16.62	75.2	19.88	81.8	23.26	89.0	26.19	91.6	26.91	95.2	27.60	97.9	27.79
100	10	146.0	83.0	5.97	89.9	6.94	97.9	7.97	106.4	9.08	109.6	9.21	113.8	9.52	117.1	9.70
		182.5	83.0	5.85	89.9	6.82	97.9	7.85	106.4	8.94	109.6	9.07	113.8	9.37	117.1	9.55
		365.0	83.0	5.39	89.9	6.35	97.9	7.39	106.4	8.37	109.6	8.54	113.8	8.76	117.1	8.94
		456.3	83.0	5.20	89.9	6.21	97.9	7.21	106.4	8.18	109.6	8.36	113.8	8.58	117.1	8.65
		547.5	83.0	5.11	89.9	6.13	97.9	7.12	106.4	8.09	109.6	8.27	113.8	8.48	117.1	8.50
	15	146.0	83.0	8.07	89.9	9.36	97.9	10.88	106.4	12.28	109.6	12.55	113.8	12.89	117.1	13.11
		182.5	83.0	7.91	89.9	9.21	97.9	10.71	106.4	12.09	109.6	12.35	113.8	12.68	117.1	12.91
		365.0	83.0	7.27	89.9	8.62	97.9	10.03	106.4	11.30	109.6	11.56	113.8	11.86	117.1	12.09
		456.3	83.0	7.05	89.9	8.43	97.9	9.81	106.4	11.08	109.6	11.34	113.8	11.64	117.1	11.75
		547.5	83.0	6.94	89.9	8.34	97.9	9.70	106.4	10.97	109.6	11.23	113.8	11.53	117.1	11.58

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	146.0	83.0	9.93	89.9	11.52	97.9	13.46	106.4	15.13	109.6	15.51	113.8	15.88	117.1	16.15
		182.5	83.0	9.74	89.9	11.34	97.9	13.24	106.4	14.88	109.6	15.26	113.8	15.63	117.1	15.89
		365.0	83.0	8.95	89.9	10.63	97.9	12.38	106.4	13.91	109.6	14.25	113.8	14.62	117.1	14.88
		456.3	83.0	8.69	89.9	10.41	97.9	12.12	106.4	13.65	109.6	13.99	113.8	14.36	117.1	14.51
		547.5	83.0	8.56	89.9	10.29	97.9	11.99	106.4	13.52	109.6	13.86	113.8	14.23	117.1	14.32
	25	146.0	83.0	12.10	89.9	14.07	97.9	16.38	106.4	18.47	109.6	18.93	113.8	19.37	117.1	19.71
		182.5	83.0	11.86	89.9	13.84	97.9	16.12	106.4	18.17	109.6	18.61	113.8	19.06	117.1	19.40
		365.0	83.0	10.93	89.9	12.94	97.9	15.07	106.4	16.97	109.6	17.38	113.8	17.83	117.1	18.17
		456.3	83.0	10.63	89.9	12.68	97.9	14.77	106.4	16.64	109.6	17.05	113.8	17.50	117.1	17.68
		547.5	83.0	10.48	89.9	12.55	97.9	14.62	106.4	16.47	109.6	16.88	113.8	17.33	117.1	17.44
	30	146.0	83.0	14.88	89.9	17.33	97.9	20.18	106.4	22.71	109.6	23.24	113.8	23.80	117.1	24.26
		182.5	83.0	14.59	89.9	17.05	97.9	19.85	106.4	22.34	109.6	22.87	113.8	23.43	117.1	23.87
		365.0	83.0	13.43	89.9	15.93	97.9	18.54	106.4	20.89	109.6	21.37	113.8	21.93	117.1	22.34
		456.3	83.0	13.06	89.9	15.59	97.9	18.17	106.4	20.48	109.6	21.00	113.8	21.52	117.1	21.75
		547.5	83.0	12.87	89.9	15.42	97.9	17.98	106.4	20.27	109.6	20.81	113.8	21.32	117.1	21.45
	35	146.0	78.9	15.72	85.4	18.27	93.0	21.27	101.1	23.96	104.1	24.53	108.2	25.13	111.2	25.59
		182.5	78.9	15.41	85.4	17.98	93.0	20.93	101.1	23.58	104.1	24.14	108.2	24.73	111.2	25.18
		365.0	78.9	14.18	85.4	16.82	93.0	19.58	101.1	22.05	104.1	22.57	108.2	23.17	111.2	23.58
		456.3	78.9	13.80	85.4	16.45	93.0	19.17	101.1	21.64	104.1	22.16	108.2	22.72	111.2	22.94
		547.5	78.9	13.61	85.4	16.26	93.0	18.97	101.1	21.43	104.1	21.95	108.2	22.49	111.2	22.62
	40	146.0	74.7	17.67	80.9	20.51	88.1	23.89	95.7	26.88	98.6	27.53	102.5	28.21	105.3	28.69
		182.5	74.7	17.31	80.9	20.18	88.1	23.50	95.7	26.45	98.6	27.08	102.5	27.75	105.3	28.24
		365.0	74.7	15.89	80.9	18.88	88.1	21.97	95.7	24.73	98.6	25.33	102.5	25.96	105.3	26.45
		456.3	74.7	15.48	80.9	18.47	88.1	21.52	95.7	24.25	98.6	24.84	102.5	25.48	105.3	25.74
		547.5	74.7	15.27	80.9	18.26	88.1	21.30	95.7	24.00	98.6	24.60	102.5	25.23	105.3	25.38
	45	146.0	70.5	19.62	76.3	22.75	83.2	26.51	90.4	29.80	93.2	30.52	96.9	31.28	99.4	31.80
		182.5	70.5	19.21	76.3	22.38	83.2	26.08	90.4	29.32	93.2	30.03	96.9	30.78	99.4	31.30
		365.0	70.5	17.61	76.3	20.93	83.2	24.36	90.4	27.42	93.2	28.09	96.9	28.76	99.4	29.32
		456.3	70.5	17.16	76.3	20.48	83.2	23.87	90.4	26.86	93.2	27.53	96.9	28.24	99.4	28.54
		547.5	70.5	16.93	76.3	20.25	83.2	23.63	90.4	26.58	93.2	27.25	96.9	27.98	99.4	28.14
90	10	146.0	74.7	5.07	80.9	5.89	88.1	6.89	95.7	7.80	98.6	7.94	102.5	8.10	105.3	8.36
		182.5	74.7	4.98	80.9	5.81	88.1	6.78	95.7	7.68	98.6	7.82	102.5	8.00	105.3	8.22
		365.0	74.7	4.63	80.9	5.49	88.1	6.35	95.7	7.22	98.6	7.36	102.5	7.58	105.3	7.68
		456.3	74.7	4.49	80.9	5.31	88.1	6.24	95.7	6.99	98.6	7.21	102.5	7.43	105.3	7.42
		547.5	74.7	4.41	80.9	5.21	88.1	6.19	95.7	6.88	98.6	7.14	102.5	7.36	105.3	7.29
	15	146.0	74.7	6.92	80.9	8.03	88.1	9.36	95.7	10.58	98.6	10.80	102.5	11.06	105.3	11.30
		182.5	74.7	6.79	80.9	7.91	88.1	9.21	95.7	10.41	98.6	10.63	102.5	10.89	105.3	11.12
		365.0	74.7	6.27	80.9	7.42	88.1	8.62	95.7	9.74	98.6	9.96	102.5	10.22	105.3	10.41
		456.3	74.7	6.08	80.9	7.24	88.1	8.47	95.7	9.51	98.6	9.77	102.5	10.03	105.3	10.11
		547.5	74.7	5.99	80.9	7.14	88.1	8.39	95.7	9.40	98.6	9.68	102.5	9.94	105.3	9.96
	20	146.0	74.7	8.56	80.9	9.93	88.1	11.57	95.7	13.05	98.6	13.35	102.5	13.69	105.3	13.91
		182.5	74.7	8.39	80.9	9.77	88.1	11.38	95.7	12.83	98.6	13.13	102.5	13.47	105.3	13.69
		365.0	74.7	7.72	80.9	9.14	88.1	10.63	95.7	11.97	98.6	12.27	102.5	12.57	105.3	12.83
		456.3	74.7	7.50	80.9	8.95	88.1	10.45	95.7	11.75	98.6	12.05	102.5	12.35	105.3	12.50
		547.5	74.7	7.39	80.9	8.86	88.1	10.35	95.7	11.64	98.6	11.94	102.5	12.23	105.3	12.33
	25	146.0	74.7	10.43	80.9	12.14	88.1	14.10	95.7	15.88	98.6	16.27	102.5	16.68	105.3	16.99
		182.5	74.7	10.22	80.9	11.94	88.1	13.88	95.7	15.63	98.6	16.00	102.5	16.41	105.3	16.71
		365.0	74.7	9.40	80.9	11.15	88.1	12.98	95.7	14.62	98.6	14.96	102.5	15.37	105.3	15.63
		456.3	74.7	9.14	80.9	10.89	88.1	12.72	95.7	14.32	98.6	14.70	102.5	15.07	105.3	15.22
		547.5	74.7	9.01	80.9	10.76	88.1	12.59	95.7	14.17	98.6	14.57	102.5	14.92	105.3	15.01
	30	146.0	74.7	12.83	80.9	14.91	88.1	17.37	95.7	19.57	98.6	20.02	102.5	20.51	105.3	20.89
		182.5	74.7	12.57	80.9	14.66	88.1	17.09	95.7	19.25	98.6	19.70	102.5	20.18	105.3	20.55
		365.0	74.7	11.56	80.9	13.69	88.1	15.97	95.7	17.98	98.6	18.43	102.5	18.88	105.3	19.21
		456.3	74.7	11.23	80.9	13.43	88.1	15.63	95.7	17.64	98.6	18.05	102.5	18.54	105.3	18.73
		547.5	74.7	11.06	80.9	13.30	88.1	15.46	95.7	17.48	98.6	17.87	102.5	18.37	105.3	18.48
	35	146.0	72.7	13.86	78.7	16.08	85.7	18.73	93.1	21.08	95.9	21.57	99.6	22.10	102.4	22.52
		182.5	72.7	13.58	78.7	15.82	85.7	18.43	93.1	20.74	95.9	21.23	99.6	21.75	102.4	22.16
		365.0	72.7	12.46	78.7	14.77	85.7	17.23	93.1	19.40	95.9	19.85	99.6	20.37	102.4	20.74
		456.3	72.7	12.12	78.7	14.47	85.7	16.86	93.1	19.02	95.9	19.51	99.6	19.99	102.4	20.18
		547.5	72.7	11.95	78.7	14.32	85.7	16.67	93.1	18.84	95.9	19.34	99.6	19.81	102.4	19.90
	40	146.0	70.6	15.91	76.4	18.47	83.2	21.49	90.4	24.23	93.2	24.79	96.7	25.40	99.5	25.85
		182.5	70.6	15.59	76.4	18.17	83.2	21.15	90.4	23.84	93.2	24.40	96.7	24.99	99.5	25.44
		365.0	70.6	14.32	76.4	16.97	83.2	19.81	90.4	22.27	93.2	22.83	96.7	23.39	99.5	23.84
		456.3	70.6	13.91	76.4	16.64	83.2	19.40	90.4	21.86	93.2	22.38	96.7	22.98	99.5	23.20
		547.5	70.6	13.71	76.4	16.47	83.2	19.19	90.4	21.65	93.2	22.16	96.7	22.77	99.5	22.88

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	146.0	68.5	17.97	74.2	20.86	80.8	24.25	87.8	27.39	90.5	28.01	93.9	28.70	96.6	29.18
		182.5	68.5	17.61	74.2	20.52	80.8	23.87	87.8	26.93	90.5	27.57	93.9	28.24	96.6	28.72
		365.0	68.5	16.19	74.2	19.17	80.8	22.38	87.8	25.14	90.5	25.81	93.9	26.41	96.6	26.93
		456.3	68.5	15.70	74.2	18.80	80.8	21.93	87.8	24.69	90.5	25.25	93.9	25.96	96.6	26.22
		547.5	68.5	15.46	74.2	18.61	80.8	21.71	87.8	24.47	90.5	24.97	93.9	25.74	96.6	25.87
80	10	146.0	66.3	4.34	71.9	4.94	78.3	5.75	85.1	6.58	87.6	6.66	91.1	6.87	93.6	6.92
		182.5	66.3	4.24	71.9	4.88	78.3	5.67	85.1	6.46	87.6	6.57	91.1	6.75	93.6	6.81
		365.0	66.3	3.84	71.9	4.63	78.3	5.35	85.1	5.99	87.6	6.17	91.1	6.28	93.6	6.38
		456.3	66.3	3.81	71.9	4.49	78.3	5.24	85.1	5.88	87.6	5.99	91.1	6.17	93.6	6.24
		547.5	66.3	3.80	71.9	4.41	78.3	5.19	85.1	5.83	87.6	5.89	91.1	6.12	93.6	6.17
	15	146.0	66.3	5.83	71.9	6.74	78.3	7.84	85.1	8.88	87.6	9.06	91.1	9.29	93.6	9.44
		182.5	66.3	5.71	71.9	6.64	78.3	7.72	85.1	8.73	87.6	8.92	91.1	9.14	93.6	9.29
		365.0	66.3	5.22	71.9	6.23	78.3	7.24	85.1	8.13	87.6	8.36	91.1	8.54	93.6	8.69
		456.3	66.3	5.11	71.9	6.08	78.3	7.09	85.1	7.98	87.6	8.17	91.1	8.39	93.6	8.47
		547.5	66.3	5.05	71.9	6.01	78.3	7.01	85.1	7.91	87.6	8.08	91.1	8.32	93.6	8.36
	20	146.0	66.3	7.15	71.9	8.35	78.3	9.71	85.1	10.92	87.6	11.18	91.1	11.44	93.6	11.68
		182.5	66.3	7.01	71.9	8.21	78.3	9.55	85.1	10.74	87.6	11.00	91.1	11.27	93.6	11.49
		365.0	66.3	6.45	71.9	7.65	78.3	8.92	85.1	10.03	87.6	10.30	91.1	10.56	93.6	10.74
		456.3	66.3	6.27	71.9	7.50	78.3	8.73	85.1	9.85	87.6	10.11	91.1	10.37	93.6	10.45
		547.5	66.3	6.17	71.9	7.42	78.3	8.64	85.1	9.75	87.6	10.02	91.1	10.28	93.6	10.29
	25	146.0	66.3	8.76	71.9	10.17	78.3	11.83	85.1	13.30	87.6	13.66	91.1	13.99	93.6	14.21
		182.5	66.3	8.58	71.9	10.00	78.3	11.64	85.1	13.09	87.6	13.43	91.1	13.77	93.6	13.99
		365.0	66.3	7.87	71.9	9.33	78.3	10.89	85.1	12.27	87.6	12.53	91.1	12.87	93.6	13.09
		456.3	66.3	7.65	71.9	9.14	78.3	10.67	85.1	12.01	87.6	12.31	91.1	12.65	93.6	12.76
		547.5	66.3	7.53	71.9	9.05	78.3	10.56	85.1	11.88	87.6	12.20	91.1	12.53	93.6	12.59
	30	146.0	66.3	10.73	71.9	12.47	78.3	14.56	85.1	16.38	87.6	16.75	91.1	17.17	93.6	17.52
		182.5	66.3	10.52	71.9	12.27	78.3	14.32	85.1	16.12	87.6	16.49	91.1	16.90	93.6	17.23
		365.0	66.3	9.70	71.9	11.49	78.3	13.39	85.1	15.07	87.6	15.44	91.1	15.82	93.6	16.12
		456.3	66.3	9.44	71.9	11.23	78.3	13.09	85.1	14.77	87.6	15.15	91.1	15.52	93.6	15.70
		547.5	66.3	9.31	71.9	11.10	78.3	12.94	85.1	14.62	87.6	14.99	91.1	15.37	93.6	15.50
	35	146.0	66.3	11.95	71.9	13.88	78.3	16.15	85.1	18.20	87.6	18.65	91.1	19.11	93.6	19.45
		182.5	66.3	11.71	71.9	13.65	78.3	15.89	85.1	17.91	87.6	18.35	91.1	18.80	93.6	19.14
		365.0	66.3	10.78	71.9	12.76	78.3	14.88	85.1	16.75	87.6	17.16	91.1	17.57	93.6	17.91
		456.3	66.3	10.48	71.9	12.50	78.3	14.59	85.1	16.41	87.6	16.82	91.1	17.27	93.6	17.42
		547.5	66.3	10.33	71.9	12.37	78.3	14.44	85.1	16.24	87.6	16.65	91.1	17.12	93.6	17.18
	40	146.0	66.3	14.16	71.9	16.46	78.3	19.15	85.1	21.57	87.6	22.07	91.1	22.64	93.6	23.01
		182.5	66.3	13.88	71.9	16.19	78.3	18.84	85.1	21.23	87.6	21.71	91.1	22.27	93.6	22.64
		365.0	66.3	12.76	71.9	15.11	78.3	17.61	85.1	19.85	87.6	20.29	91.1	20.82	93.6	21.19
		456.3	66.3	12.38	71.9	14.81	78.3	17.23	85.1	19.44	87.6	19.92	91.1	20.44	93.6	20.63
		547.5	66.3	12.20	71.9	14.66	78.3	17.05	85.1	19.23	87.6	19.73	91.1	20.25	93.6	20.35
	45	146.0	66.3	16.37	71.9	19.05	78.3	22.15	85.1	24.95	87.6	25.48	91.1	26.16	93.6	26.57
		182.5	66.3	16.04	71.9	18.73	78.3	21.79	85.1	24.55	87.6	25.07	91.1	25.74	93.6	26.15
		365.0	66.3	14.73	71.9	17.46	78.3	20.33	85.1	22.94	87.6	23.43	91.1	24.06	93.6	24.47
		456.3	66.3	14.29	71.9	17.12	78.3	19.88	85.1	22.46	87.6	23.02	91.1	23.61	93.6	23.84
		547.5	66.3	14.06	71.9	16.95	78.3	19.66	85.1	22.21	87.6	22.81	91.1	23.39	93.6	23.52
70	10	146.0	58.1	3.54	62.9	4.13	68.6	4.77	74.4	5.38	76.7	5.58	79.7	5.73	81.9	5.75
		182.5	58.1	3.48	62.9	4.05	68.6	4.70	74.4	5.31	76.7	5.49	79.7	5.64	81.9	5.67
		365.0	58.1	3.23	62.9	3.76	68.6	4.41	74.4	5.03	76.7	5.13	79.7	5.28	81.9	5.35
		456.3	58.1	3.16	62.9	3.69	68.6	4.34	74.4	4.88	76.7	4.98	79.7	5.13	81.9	5.20
		547.5	58.1	3.13	62.9	3.66	68.6	4.31	74.4	4.80	76.7	4.91	79.7	5.05	81.9	5.13
	15	146.0	58.1	4.83	62.9	5.62	68.6	6.52	74.4	7.35	76.7	7.55	79.7	7.73	81.9	7.84
		182.5	58.1	4.74	62.9	5.52	68.6	6.42	74.4	7.24	76.7	7.42	79.7	7.61	81.9	7.72
		365.0	58.1	4.36	62.9	5.15	68.6	6.01	74.4	6.79	76.7	6.94	79.7	7.12	81.9	7.24
		456.3	58.1	4.25	62.9	5.04	68.6	5.89	74.4	6.64	76.7	6.79	79.7	6.98	81.9	7.05
		547.5	58.1	4.20	62.9	4.98	68.6	5.84	74.4	6.56	76.7	6.71	79.7	6.90	81.9	6.96
	20	146.0	58.1	5.98	62.9	6.94	68.6	8.08	74.4	9.10	76.7	9.29	79.7	9.51	81.9	9.71
		182.5	58.1	5.86	62.9	6.83	68.6	7.95	74.4	8.95	76.7	9.14	79.7	9.36	81.9	9.55
		365.0	58.1	5.37	62.9	6.38	68.6	7.42	74.4	8.36	76.7	8.54	79.7	8.77	81.9	8.92
		456.3	58.1	5.22	62.9	6.23	68.6	7.27	74.4	8.21	76.7	8.39	79.7	8.62	81.9	8.69
		547.5	58.1	5.15	62.9	6.15	68.6	7.20	74.4	8.13	76.7	8.32	79.7	8.54	81.9	8.58
	25	146.0	58.1	7.27	62.9	8.46	68.6	9.81	74.4	11.07	76.7	11.33	79.7	11.59	81.9	11.83
		182.5	58.1	7.12	62.9	8.32	68.6	9.66	74.4	10.89	76.7	11.15	79.7	11.41	81.9	11.64
		365.0	58.1	6.57	62.9	7.76	68.6	9.06	74.4	10.18	76.7	10.45	79.7	10.71	81.9	10.89
		456.3	58.1	6.38	62.9	7.61	68.6	8.88	74.4	10.00	76.7	10.22	79.7	10.48	81.9	10.59
		547.5	58.1	6.28	62.9	7.53	68.6	8.78	74.4	9.90	76.7	10.11	79.7	10.37	81.9	10.44

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	146.0	58.1	8.95	62.9	10.39	68.6	12.10	74.4	13.61	76.7	13.95	79.7	14.29	81.9	14.56
		182.5	58.1	8.77	62.9	10.22	68.6	11.90	74.4	13.39	76.7	13.73	79.7	14.06	81.9	14.32
		365.0	58.1	8.06	62.9	9.55	68.6	11.12	74.4	12.53	76.7	12.83	79.7	13.17	81.9	13.39
		456.3	58.1	7.83	62.9	9.36	68.6	10.89	74.4	12.27	76.7	12.61	79.7	12.91	81.9	13.06
		547.5	58.1	7.72	62.9	9.27	68.6	10.78	74.4	12.14	76.7	12.50	79.7	12.78	81.9	12.89
	35	146.0	58.1	9.93	62.9	11.52	68.6	13.47	74.4	15.13	76.7	15.51	79.7	15.88	81.9	16.15
		182.5	58.1	9.74	62.9	11.34	68.6	13.24	74.4	14.88	76.7	15.26	79.7	15.63	81.9	15.89
		365.0	58.1	8.95	62.9	10.63	68.6	12.35	74.4	13.91	76.7	14.25	79.7	14.62	81.9	14.88
		456.3	58.1	8.69	62.9	10.37	68.6	12.12	74.4	13.65	76.7	13.99	79.7	14.36	81.9	14.51
		547.5	58.1	8.56	62.9	10.24	68.6	12.01	74.4	13.52	76.7	13.86	79.7	14.23	81.9	14.32
	40	146.0	58.1	11.76	62.9	13.65	68.6	15.92	74.4	17.94	76.7	18.35	79.7	18.80	81.9	19.14
		182.5	58.1	11.53	62.9	13.43	68.6	15.67	74.4	17.64	76.7	18.05	79.7	18.50	81.9	18.84
		365.0	58.1	10.59	62.9	12.57	68.6	14.66	74.4	16.49	76.7	16.90	79.7	17.31	81.9	17.64
		456.3	58.1	10.30	62.9	12.31	68.6	14.32	74.4	16.15	76.7	16.56	79.7	17.01	81.9	17.16
		547.5	58.1	10.15	62.9	12.18	68.6	14.16	74.4	15.98	76.7	16.39	79.7	16.86	81.9	16.92
	45	146.0	58.1	13.59	62.9	15.77	68.6	18.37	74.4	20.74	76.7	21.18	79.7	21.72	81.9	22.13
		182.5	58.1	13.32	62.9	15.52	68.6	18.09	74.4	20.41	76.7	20.85	79.7	21.37	81.9	21.79
		365.0	58.1	12.24	62.9	14.51	68.6	16.97	74.4	19.06	76.7	19.55	79.7	19.99	81.9	20.41
		456.3	58.1	11.90	62.9	14.25	68.6	16.53	74.4	18.65	76.7	19.14	79.7	19.66	81.9	19.81
		547.5	58.1	11.73	62.9	14.12	68.6	16.30	74.4	18.45	76.7	18.93	79.7	19.49	81.9	19.51
60	10	146.0	49.8	2.81	53.9	3.28	58.7	3.77	63.8	4.34	65.8	4.46	68.3	4.51	70.2	4.58
		182.5	49.8	2.76	53.9	3.23	58.7	3.73	63.8	4.27	65.8	4.38	68.3	4.45	70.2	4.52
		365.0	49.8	2.55	53.9	3.01	58.7	3.55	63.8	3.98	65.8	4.05	68.3	4.20	70.2	4.27
		456.3	49.8	2.43	53.9	2.98	58.7	3.48	63.8	3.91	65.8	3.98	68.3	4.09	70.2	4.16
		547.5	49.8	2.38	53.9	2.96	58.7	3.45	63.8	3.88	65.8	3.95	68.3	4.03	70.2	4.11
	15	146.0	49.8	3.84	53.9	4.48	58.7	5.19	63.8	5.88	65.8	6.03	68.3	6.14	70.2	6.25
		182.5	49.8	3.77	53.9	4.40	58.7	5.11	63.8	5.78	65.8	5.93	68.3	6.04	70.2	6.16
		365.0	49.8	3.47	53.9	4.10	58.7	4.81	63.8	5.41	65.8	5.52	68.3	5.67	70.2	5.78
		456.3	49.8	3.36	53.9	4.03	58.7	4.70	63.8	5.30	65.8	5.41	68.3	5.56	70.2	5.63
		547.5	49.8	3.30	53.9	3.99	58.7	4.64	63.8	5.24	65.8	5.35	68.3	5.50	70.2	5.56
	20	146.0	49.8	4.76	53.9	5.54	58.7	6.45	63.8	7.24	65.8	7.43	68.3	7.58	70.2	7.73
		182.5	49.8	4.66	53.9	5.45	58.7	6.34	63.8	7.12	65.8	7.31	68.3	7.46	70.2	7.61
		365.0	49.8	4.29	53.9	5.07	58.7	5.93	63.8	6.68	65.8	6.83	68.3	6.98	70.2	7.12
		456.3	49.8	4.18	53.9	4.96	58.7	5.78	63.8	6.53	65.8	6.68	68.3	6.86	70.2	6.94
		547.5	49.8	4.12	53.9	4.90	58.7	5.71	63.8	6.45	65.8	6.60	68.3	6.81	70.2	6.84
	25	146.0	49.8	5.78	53.9	6.75	58.7	7.85	63.8	8.83	65.8	9.02	68.3	9.24	70.2	9.44
		182.5	49.8	5.67	53.9	6.64	58.7	7.72	63.8	8.69	65.8	8.88	68.3	9.10	70.2	9.29
		365.0	49.8	5.22	53.9	6.19	58.7	7.20	63.8	8.13	65.8	8.32	68.3	8.54	70.2	8.69
		456.3	49.8	5.07	53.9	6.04	58.7	7.05	63.8	7.95	65.8	8.17	68.3	8.36	70.2	8.47
		547.5	49.8	5.00	53.9	5.97	58.7	6.98	63.8	7.85	65.8	8.09	68.3	8.26	70.2	8.36
	30	146.0	49.8	7.12	53.9	8.26	58.7	9.63	63.8	10.84	65.8	11.11	68.3	11.37	70.2	11.60
		182.5	49.8	6.98	53.9	8.13	58.7	9.48	63.8	10.67	65.8	10.93	68.3	11.19	70.2	11.41
		365.0	49.8	6.42	53.9	7.61	58.7	8.88	63.8	10.00	65.8	10.22	68.3	10.48	70.2	10.67
		456.3	49.8	6.23	53.9	7.46	58.7	8.69	63.8	9.81	65.8	10.03	68.3	10.30	70.2	10.41
		547.5	49.8	6.14	53.9	7.39	58.7	8.60	63.8	9.72	65.8	9.94	68.3	10.20	70.2	10.28
	35	146.0	49.8	7.92	53.9	9.22	58.7	10.74	63.8	12.05	65.8	12.36	68.3	12.67	70.2	12.89
		182.5	49.8	7.76	53.9	9.06	58.7	10.56	63.8	11.86	65.8	12.16	68.3	12.46	70.2	12.68
		365.0	49.8	7.12	53.9	8.47	58.7	9.85	63.8	11.12	65.8	11.38	68.3	11.64	70.2	11.86
		456.3	49.8	6.94	53.9	8.28	58.7	9.66	63.8	10.89	65.8	11.15	68.3	11.45	70.2	11.56
		547.5	49.8	6.84	53.9	8.19	58.7	9.57	63.8	10.78	65.8	11.04	68.3	11.36	70.2	11.41
	40	146.0	49.8	9.36	53.9	10.88	58.7	12.70	63.8	14.30	65.8	14.63	68.3	14.97	70.2	15.28
		182.5	49.8	9.18	53.9	10.71	58.7	12.50	63.8	14.06	65.8	14.40	68.3	14.73	70.2	15.03
		365.0	49.8	8.47	53.9	10.03	58.7	11.68	63.8	13.13	65.8	13.47	68.3	13.80	70.2	14.06
		456.3	49.8	8.21	53.9	9.81	58.7	11.45	63.8	12.87	65.8	13.21	68.3	13.54	70.2	13.69
		547.5	49.8	8.08	53.9	9.70	58.7	11.34	63.8	12.74	65.8	13.07	68.3	13.41	70.2	13.50
	45	146.0	49.8	10.79	53.9	12.54	58.7	14.67	63.8	16.55	65.8	16.91	68.3	17.27	70.2	17.67
		182.5	49.8	10.59	53.9	12.35	58.7	14.44	63.8	16.26	65.8	16.64	68.3	17.01	70.2	17.38
		365.0	49.8	9.81	53.9	11.60	58.7	13.50	63.8	15.15	65.8	15.56	68.3	15.97	70.2	16.26
		456.3	49.8	9.48	53.9	11.34	58.7	13.24	63.8	14.85	65.8	15.26	68.3	15.63	70.2	15.82
		547.5	49.8	9.31	53.9	11.21	58.7	13.11	63.8	14.70	65.8	15.11	68.3	15.46	70.2	15.59
50	10	146.0	41.5	2.09	44.9	2.44	48.9	2.93	53.3	3.20	54.8	3.26	56.9	3.40	58.5	3.43
		182.5	41.5	2.04	44.9	2.40	48.9	2.88	53.3	3.16	54.8	3.23	56.9	3.34	58.5	3.37
		365.0	41.5	1.86	44.9	2.26	48.9	2.66	53.3	2.98	54.8	3.09	56.9	3.08	58.5	3.16
		456.3	41.5	1.83	44.9	2.27	48.9	2.58	53.3	2.91	54.8	2.94	56.9	3.05	58.5	3.04
		547.5	41.5	1.81	44.9	2.27	48.9	2.55	53.3	2.87	54.8	2.86	56.9	3.03	58.5	2.99

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	146.0	41.5	2.85	44.9	3.34	48.9	3.91	53.3	4.36	54.8	4.47	56.9	4.59	58.5	4.66
		182.5	41.5	2.80	44.9	3.28	48.9	3.84	53.3	4.29	54.8	4.40	56.9	4.51	58.5	4.59
		365.0	41.5	2.57	44.9	3.06	48.9	3.58	53.3	4.03	54.8	4.14	56.9	4.22	58.5	4.29
		456.3	41.5	2.50	44.9	3.02	48.9	3.51	53.3	3.95	54.8	4.03	56.9	4.14	58.5	4.18
		547.5	41.5	2.46	44.9	3.00	48.9	3.47	53.3	3.92	54.8	3.97	56.9	4.10	58.5	4.12
	20	146.0	41.5	3.54	44.9	4.14	48.9	4.78	53.3	5.38	54.8	5.54	56.9	5.64	58.5	5.76
		182.5	41.5	3.47	44.9	4.07	48.9	4.70	53.3	5.30	54.8	5.45	56.9	5.56	58.5	5.67
		365.0	41.5	3.21	44.9	3.77	48.9	4.40	53.3	4.96	54.8	5.07	56.9	5.22	58.5	5.30
		456.3	41.5	3.10	44.9	3.69	48.9	4.33	53.3	4.89	54.8	5.00	56.9	5.11	58.5	5.19
		547.5	41.5	3.04	44.9	3.66	48.9	4.29	53.3	4.85	54.8	4.96	56.9	5.05	58.5	5.13
	25	146.0	41.5	4.30	44.9	5.00	48.9	5.84	53.3	6.60	54.8	6.75	56.9	6.90	58.5	7.00
		182.5	41.5	4.22	44.9	4.92	48.9	5.74	53.3	6.49	54.8	6.64	56.9	6.79	58.5	6.90
		365.0	41.5	3.88	44.9	4.63	48.9	5.37	53.3	6.04	54.8	6.19	56.9	6.34	58.5	6.49
		456.3	41.5	3.77	44.9	4.51	48.9	5.26	53.3	5.93	54.8	6.08	56.9	6.23	58.5	6.30
		547.5	41.5	3.71	44.9	4.46	48.9	5.20	53.3	5.87	54.8	6.02	56.9	6.17	58.5	6.21
	30	146.0	41.5	5.34	44.9	6.18	48.9	7.21	53.3	8.11	54.8	8.31	56.9	8.49	58.5	8.65
		182.5	41.5	5.22	44.9	6.08	48.9	7.09	53.3	7.98	54.8	8.17	56.9	8.36	58.5	8.51
		365.0	41.5	4.77	44.9	5.67	48.9	6.60	53.3	7.46	54.8	7.61	56.9	7.83	58.5	7.95
		456.3	41.5	4.66	44.9	5.56	48.9	6.49	53.3	7.31	54.8	7.50	56.9	7.68	58.5	7.76
		547.5	41.5	4.61	44.9	5.50	48.9	6.43	53.3	7.24	54.8	7.44	56.9	7.61	58.5	7.67
	35	146.0	41.5	5.90	44.9	6.87	48.9	8.00	53.3	8.98	54.8	9.22	56.9	9.44	58.5	9.59
		182.5	41.5	5.78	44.9	6.75	48.9	7.87	53.3	8.84	54.8	9.06	56.9	9.29	58.5	9.44
		365.0	41.5	5.33	44.9	6.30	48.9	7.35	53.3	8.28	54.8	8.47	56.9	8.69	58.5	8.84
		456.3	41.5	5.19	44.9	6.19	48.9	7.20	53.3	8.13	54.8	8.32	56.9	8.54	58.5	8.62
		547.5	41.5	5.11	44.9	6.14	48.9	7.12	53.3	8.06	54.8	8.24	56.9	8.47	58.5	8.50
	40	146.0	41.5	7.01	44.9	8.11	48.9	9.49	53.3	10.65	54.8	10.92	56.9	11.18	58.5	11.37
		182.5	41.5	6.86	44.9	7.98	48.9	9.33	53.3	10.48	54.8	10.74	56.9	11.00	58.5	11.19
		365.0	41.5	6.30	44.9	7.46	48.9	8.69	53.3	9.81	54.8	10.03	56.9	10.30	58.5	10.48
		456.3	41.5	6.12	44.9	7.31	48.9	8.54	53.3	9.62	54.8	9.85	56.9	10.11	58.5	10.18
		547.5	41.5	6.02	44.9	7.24	48.9	8.47	53.3	9.53	54.8	9.75	56.9	10.02	58.5	10.03
	45	146.0	41.5	8.12	44.9	9.36	48.9	10.97	53.3	12.32	54.8	12.63	56.9	12.93	58.5	13.15
		182.5	41.5	7.95	44.9	9.21	48.9	10.78	53.3	12.12	54.8	12.42	56.9	12.72	58.5	12.94
		365.0	41.5	7.27	44.9	8.62	48.9	10.03	53.3	11.34	54.8	11.60	56.9	11.90	58.5	12.12
		456.3	41.5	7.05	44.9	8.43	48.9	9.89	53.3	11.12	54.8	11.38	56.9	11.68	58.5	11.75
		547.5	41.5	6.94	44.9	8.34	48.9	9.81	53.3	11.00	54.8	11.26	56.9	11.56	58.5	11.56

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(40HP)

ARWN400LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	153.6	104.1	7.52	112.8	8.82	122.7	10.27	133.4	11.51	137.5	11.77	142.9	12.16	146.8	12.33
		192.0	104.1	7.38	112.8	8.66	122.7	10.09	133.4	11.33	137.5	11.60	142.9	11.95	146.8	12.14
		384.0	104.1	6.85	112.8	8.04	122.7	9.39	133.4	10.59	137.5	10.91	142.9	11.13	146.8	11.41
		480.0	104.1	6.65	112.8	7.93	122.7	9.24	133.4	10.36	137.5	10.67	142.9	10.94	146.8	11.09
		576.0	104.1	6.55	112.8	7.87	122.7	9.16	133.4	10.24	137.5	10.55	142.9	10.84	146.8	10.93
	15	153.6	102.4	9.91	110.9	11.55	120.8	13.46	131.3	15.12	135.2	15.48	140.5	15.89	144.5	16.16
		192.0	102.4	9.72	110.9	11.36	120.8	13.24	131.3	14.88	135.2	15.24	140.5	15.64	144.5	15.92
		384.0	102.4	8.96	110.9	10.60	120.8	12.36	131.3	13.92	135.2	14.28	140.5	14.64	144.5	14.96
		480.0	102.4	8.72	110.9	10.40	120.8	12.12	131.3	13.64	135.2	14.00	140.5	14.36	144.5	14.60
		576.0	102.4	8.60	110.9	10.30	120.8	12.00	131.3	13.50	135.2	13.86	140.5	14.22	144.5	14.42
	20	153.6	100.9	12.04	109.3	13.98	119.0	16.30	129.4	18.33	133.3	18.78	138.4	19.21	142.4	19.57
		192.0	100.9	11.80	109.3	13.76	119.0	16.04	129.4	18.04	133.3	18.48	138.4	18.92	142.4	19.28
		384.0	100.9	10.84	109.3	12.88	119.0	15.00	129.4	16.88	133.3	17.28	138.4	17.76	142.4	18.12
		480.0	100.9	10.56	109.3	12.60	119.0	14.68	129.4	16.56	133.3	16.96	138.4	17.40	142.4	17.72
		576.0	100.9	10.42	109.3	12.46	119.0	14.52	129.4	16.40	133.3	16.80	138.4	17.22	142.4	17.52
	25	153.6	100.9	14.85	109.3	17.23	119.0	20.08	129.4	22.65	133.3	23.17	138.4	23.72	142.4	24.12
		192.0	100.9	14.56	109.3	16.96	119.0	19.76	129.4	22.28	133.3	22.80	138.4	23.36	142.4	23.76
		384.0	100.9	13.40	109.3	15.88	119.0	18.48	129.4	20.80	133.3	21.32	138.4	21.92	142.4	22.32
		480.0	100.9	13.00	109.3	15.52	119.0	18.12	129.4	20.40	133.3	20.92	138.4	21.48	142.4	21.84
		576.0	100.9	12.80	109.3	15.34	119.0	17.94	129.4	20.20	133.3	20.72	138.4	21.26	142.4	21.60
	30	153.6	100.9	17.84	109.3	20.69	119.0	24.10	129.4	27.16	133.3	27.80	138.4	28.48	142.4	28.95
		192.0	100.9	17.48	109.3	20.36	119.0	23.72	129.4	26.72	133.3	27.36	138.4	28.04	142.4	28.52
		384.0	100.9	16.04	109.3	19.04	119.0	22.20	129.4	24.96	133.3	25.60	138.4	26.28	142.4	26.80
		480.0	100.9	15.60	109.3	18.64	119.0	21.72	129.4	24.48	133.3	25.12	138.4	25.76	142.4	26.20
		576.0	100.9	15.38	109.3	18.44	119.0	21.48	129.4	24.24	133.3	24.88	138.4	25.50	142.4	25.90
	35	153.6	90.9	17.99	98.3	20.94	107.1	24.39	116.4	27.43	119.9	28.13	124.6	28.81	128.1	29.27
		192.0	90.9	17.64	98.3	20.60	107.1	24.00	116.4	27.00	119.9	27.68	124.6	28.36	128.1	28.84
		384.0	90.9	16.24	98.3	19.24	107.1	22.44	116.4	25.28	119.9	25.88	124.6	26.56	128.1	27.12
		480.0	90.9	15.80	98.3	18.84	107.1	21.96	116.4	24.76	119.9	25.40	124.6	26.04	128.1	26.48
		576.0	90.9	15.58	98.3	18.64	107.1	21.72	116.4	24.50	119.9	25.16	124.6	25.78	128.1	26.16
	40	153.6	80.7	19.02	87.5	22.07	95.2	25.73	103.5	28.94	106.6	29.62	110.7	30.34	113.9	30.90
		192.0	80.7	18.64	87.5	21.72	95.2	25.32	103.5	28.48	106.6	29.16	110.7	29.88	113.9	30.44
		384.0	80.7	17.12	87.5	20.32	95.2	23.68	103.5	26.64	106.6	27.32	110.7	28.04	113.9	28.60
		480.0	80.7	16.64	87.5	19.88	95.2	23.16	103.5	26.12	106.6	26.80	110.7	27.48	113.9	27.96
		576.0	80.7	16.40	87.5	19.66	95.2	22.90	103.5	25.86	106.6	26.54	110.7	27.20	113.9	27.64
	45	153.6	70.5	20.05	76.6	23.20	83.3	27.07	90.5	30.46	93.3	31.11	96.8	31.87	99.6	32.54
		192.0	70.5	19.64	76.6	22.84	83.3	26.64	90.5	29.96	93.3	30.64	96.8	31.40	99.6	32.04
		384.0	70.5	18.00	76.6	21.40	83.3	24.92	90.5	28.00	93.3	28.76	96.8	29.52	99.6	30.08
		480.0	70.5	17.48	76.6	20.92	83.3	24.36	90.5	27.48	93.3	28.20	96.8	28.92	99.6	29.44
		576.0	70.5	17.22	76.6	20.68	83.3	24.08	90.5	27.22	93.3	27.92	96.8	28.62	99.6	29.12
120	10	153.6	98.6	7.17	106.6	8.36	116.2	9.68	126.3	10.91	130.0	11.24	135.2	11.51	138.9	11.64
		192.0	98.6	7.03	106.6	8.23	116.2	9.54	126.3	10.73	130.0	11.05	135.2	11.32	138.9	11.47
		384.0	98.6	6.45	106.6	7.69	116.2	8.96	126.3	10.04	130.0	10.27	135.2	10.54	138.9	10.77
		480.0	98.6	6.25	106.6	7.45	116.2	8.77	126.3	9.80	130.0	10.12	135.2	10.35	138.9	10.54
		576.0	98.6	6.15	106.6	7.32	116.2	8.67	126.3	9.68	130.0	10.04	135.2	10.25	138.9	10.42
	15	153.6	97.4	9.51	105.5	11.06	114.9	12.84	124.8	14.47	128.6	14.84	133.6	15.20	137.3	15.43
		192.0	97.4	9.32	105.5	10.88	114.9	12.64	124.8	14.24	128.6	14.60	133.6	14.96	137.3	15.20
		384.0	97.4	8.56	105.5	10.16	114.9	11.84	124.8	13.32	128.6	13.64	133.6	14.00	137.3	14.28
		480.0	97.4	8.32	105.5	9.92	114.9	11.60	124.8	13.04	128.6	13.40	133.6	13.72	137.3	13.96
		576.0	97.4	8.20	105.5	9.80	114.9	11.48	124.8	12.90	128.6	13.28	133.6	13.58	137.3	13.80
	20	153.6	96.4	11.59	104.4	13.46	113.8	15.65	123.6	17.64	127.3	18.04	132.2	18.48	135.9	18.80
		192.0	96.4	11.36	104.4	13.24	113.8	15.40	123.6	17.36	127.3	17.76	132.2	18.20	135.9	18.52
		384.0	96.4	10.44	104.4	12.36	113.8	14.40	123.6	16.24	127.3	16.64	132.2	17.08	135.9	17.40
		480.0	96.4	10.16	104.4	12.12	113.8	14.12	123.6	15.92	127.3	16.32	132.2	16.72	135.9	17.00
		576.0	96.4	10.02	104.4	12.00	113.8	13.98	123.6	15.76	127.3	16.16	132.2	16.54	135.9	16.80
	25	153.6	96.4	14.24	104.4	16.55	113.8	19.27	123.6	21.66	127.3	22.19	132.2	22.76	135.9	23.15
		192.0	96.4	13.96	104.4	16.28	113.8	18.96	123.6	21.32	127.3	21.84	132.2	22.40	135.9	22.80
		384.0	96.4	12.84	104.4	15.20	113.8	17.72	123.6	19.96	127.3	20.44	132.2	20.96	135.9	21.40
		480.0	96.4	12.48	104.4	14.88	113.8	17.36	123.6	19.56	127.3	20.04	132.2	20.56	135.9	20.88
		576.0	96.4	12.30	104.4	14.72	113.8	17.18	123.6	19.36	127.3	19.84	132.2	20.36	135.9	20.62
	30	153.6	96.4	17.17	104.4	20.00	113.8	23.30	123.6	26.22	127.3	26.82	132.2	27.51	135.9	27.99
		192.0	96.4	16.84	104.4	19.68	113.8	22.92	123.6	25.80	127.3	26.40	132.2	27.08	135.9	27.56
		384.0	96.4	15.52	104.4	18.40	113.8	21.40	123.6	24.12	127.3	24.72	132.2	25.36	135.9	25.84
		480.0	96.4	15.08	104.4	18.00	113.8	20.96	123.6	23.64	127.3	24.24	132.2	24.88	135.9	25.24
		576.0	96.4	14.86	104.4	17.80	113.8	20.74	123.6	23.40	127.3	24.00	132.2	24.64	135.9	24.94

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	153.6	88.2	17.63	95.5	20.49	104.1	23.86	113.1	26.87	116.4	27.52	121.0	28.15	124.4	28.68
		192.0	88.2	17.28	95.5	20.16	104.1	23.48	113.1	26.44	116.4	27.08	121.0	27.72	124.4	28.24
		384.0	88.2	15.88	95.5	18.84	104.1	21.96	113.1	24.72	116.4	25.32	121.0	26.00	124.4	26.48
		480.0	88.2	15.44	95.5	18.44	104.1	21.52	113.1	24.24	116.4	24.84	121.0	25.48	124.4	25.88
		576.0	88.2	15.22	95.5	18.24	104.1	21.30	113.1	24.00	116.4	24.60	121.0	25.22	124.4	25.58
	40	153.6	80.0	18.97	86.7	22.03	94.4	25.69	102.7	28.90	105.7	29.59	109.8	30.31	112.8	30.87
		192.0	80.0	18.60	86.7	21.68	94.4	25.28	102.7	28.44	105.7	29.12	109.8	29.84	112.8	30.40
		384.0	80.0	17.12	86.7	20.28	94.4	23.64	102.7	26.60	105.7	27.24	109.8	27.96	112.8	28.52
		480.0	80.0	16.64	86.7	19.84	94.4	23.16	102.7	26.08	105.7	26.76	109.8	27.44	112.8	27.84
		576.0	80.0	16.40	86.7	19.62	94.4	22.92	102.7	25.82	105.7	26.52	109.8	27.18	112.8	27.50
	45	153.6	71.8	20.31	77.8	23.57	84.7	27.52	92.3	30.94	94.9	31.67	98.6	32.48	101.3	33.07
		192.0	71.8	19.92	77.8	23.20	84.7	27.08	92.3	30.44	94.9	31.16	98.6	31.96	101.3	32.56
		384.0	71.8	18.36	77.8	21.72	84.7	25.32	92.3	28.48	94.9	29.16	98.6	29.92	101.3	30.56
		480.0	71.8	17.84	77.8	21.24	84.7	24.80	92.3	27.92	94.9	28.68	98.6	29.40	101.3	29.80
		576.0	71.8	17.58	77.8	21.00	84.7	24.54	92.3	27.64	94.9	28.44	98.6	29.14	101.3	29.42
110	10	153.6	92.9	6.77	100.7	7.83	109.6	9.18	119.1	10.30	122.6	10.52	127.5	10.86	130.9	11.01
		192.0	92.9	6.63	100.7	7.71	109.6	9.02	119.1	10.14	122.6	10.37	127.5	10.68	130.9	10.83
		384.0	92.9	6.09	100.7	7.21	109.6	8.40	119.1	9.48	122.6	9.76	127.5	9.99	130.9	10.14
		480.0	92.9	5.94	100.7	7.05	109.6	8.21	119.1	9.33	122.6	9.48	127.5	9.79	130.9	9.91
		576.0	92.9	5.86	100.7	6.97	109.6	8.11	119.1	9.25	122.6	9.33	127.5	9.69	130.9	9.79
	15	153.6	92.4	9.06	100.1	10.53	109.0	12.28	118.4	13.82	121.9	14.14	126.7	14.51	130.2	14.75
		192.0	92.4	8.88	100.1	10.36	109.0	12.08	118.4	13.60	121.9	13.92	126.7	14.28	130.2	14.52
		384.0	92.4	8.16	100.1	9.68	109.0	11.28	118.4	12.72	121.9	13.04	126.7	13.36	130.2	13.60
		480.0	92.4	7.96	100.1	9.48	109.0	11.04	118.4	12.48	121.9	12.76	126.7	13.12	130.2	13.28
		576.0	92.4	7.86	100.1	9.38	109.0	10.92	118.4	12.36	121.9	12.62	126.7	13.00	130.2	13.12
	20	153.6	91.9	11.10	99.5	12.93	108.4	15.04	117.8	16.95	121.3	17.36	126.0	17.76	129.6	18.08
		192.0	91.9	10.88	99.5	12.72	108.4	14.80	117.8	16.68	121.3	17.08	126.0	17.48	129.6	17.80
		384.0	91.9	10.00	99.5	11.88	108.4	13.84	117.8	15.60	121.3	15.96	126.0	16.36	129.6	16.68
		480.0	91.9	9.76	99.5	11.64	108.4	13.56	117.8	15.28	121.3	15.68	126.0	16.08	129.6	16.28
		576.0	91.9	9.64	99.5	11.52	108.4	13.42	117.8	15.12	121.3	15.54	126.0	15.94	129.6	16.08
	25	153.6	91.9	13.58	99.5	15.81	108.4	18.41	117.8	20.73	121.3	21.21	126.0	21.74	129.6	22.14
		192.0	91.9	13.32	99.5	15.56	108.4	18.12	117.8	20.40	121.3	20.88	126.0	21.40	129.6	21.80
		384.0	91.9	12.28	99.5	14.56	108.4	16.96	117.8	19.08	121.3	19.56	126.0	20.04	129.6	20.44
		480.0	91.9	11.92	99.5	14.24	108.4	16.60	117.8	18.72	121.3	19.16	126.0	19.68	129.6	19.92
		576.0	91.9	11.74	99.5	14.08	108.4	16.42	117.8	18.54	121.3	18.96	126.0	19.50	129.6	19.66
	30	153.6	91.9	16.56	99.5	19.27	108.4	22.44	117.8	25.29	121.3	25.89	126.0	26.49	129.6	26.98
		192.0	91.9	16.24	99.5	18.96	108.4	22.08	117.8	24.88	121.3	25.48	126.0	26.08	129.6	26.56
		384.0	91.9	14.96	99.5	17.72	108.4	20.64	117.8	23.24	121.3	23.84	126.0	24.44	129.6	24.88
		480.0	91.9	14.56	99.5	17.36	108.4	20.24	117.8	22.80	121.3	23.36	126.0	23.96	129.6	24.28
		576.0	91.9	14.36	99.5	17.18	108.4	20.04	117.8	22.58	121.3	23.12	126.0	23.72	129.6	23.98
	35	153.6	85.6	17.26	92.7	20.04	101.0	23.33	109.8	26.30	113.1	26.91	117.5	27.55	120.8	28.08
		192.0	85.6	16.92	92.7	19.72	101.0	22.96	109.8	25.88	113.1	26.48	117.5	27.12	120.8	27.64
		384.0	85.6	15.56	92.7	18.44	101.0	21.48	109.8	24.20	113.1	24.76	117.5	25.40	120.8	25.88
		480.0	85.6	15.12	92.7	18.04	101.0	21.04	109.8	23.72	113.1	24.32	117.5	24.92	120.8	25.24
		576.0	85.6	14.90	92.7	17.84	101.0	20.82	109.8	23.48	113.1	24.10	117.5	24.68	120.8	24.92
	40	153.6	79.3	18.93	86.0	22.04	93.5	25.65	101.7	28.86	104.8	29.55	108.8	30.27	111.9	30.84
		192.0	79.3	18.56	86.0	21.68	93.5	25.24	101.7	28.40	104.8	29.08	108.8	29.80	111.9	30.36
		384.0	79.3	17.08	86.0	20.24	93.5	23.60	101.7	26.56	104.8	27.20	108.8	27.92	111.9	28.44
		480.0	79.3	16.60	86.0	19.80	93.5	23.12	101.7	26.04	104.8	26.72	108.8	27.40	111.9	27.72
		576.0	79.3	16.36	86.0	19.58	93.5	22.88	101.7	25.78	104.8	26.48	108.8	27.14	111.9	27.36
	45	153.6	73.0	20.60	79.2	24.04	86.1	27.97	93.7	31.43	96.5	32.20	100.2	33.00	103.0	33.61
		192.0	73.0	20.20	79.2	23.64	86.1	27.52	93.7	30.92	96.5	31.68	100.2	32.48	103.0	33.08
		384.0	73.0	18.60	79.2	22.04	86.1	25.72	93.7	28.92	96.5	29.64	100.2	30.44	103.0	31.00
		480.0	73.0	18.08	79.2	21.56	86.1	25.20	93.7	28.36	96.5	29.12	100.2	29.88	103.0	30.20
		576.0	73.0	17.82	79.2	21.32	86.1	24.94	93.7	28.08	96.5	28.86	100.2	29.60	103.0	29.80
100	10	153.6	87.4	6.40	94.6	7.44	103.0	8.55	112.0	9.74	115.4	9.87	119.8	10.21	123.2	10.41
		192.0	87.4	6.28	94.6	7.32	103.0	8.42	112.0	9.59	115.4	9.73	119.8	10.05	123.2	10.24
		384.0	87.4	5.78	94.6	6.81	103.0	7.93	112.0	8.97	115.4	9.16	119.8	9.39	123.2	9.59
		480.0	87.4	5.58	94.6	6.66	103.0	7.73	112.0	8.78	115.4	8.97	119.8	9.20	123.2	9.27
		576.0	87.4	5.48	94.6	6.58	103.0	7.63	112.0	8.68	115.4	8.87	119.8	9.10	123.2	9.11
	15	153.6	87.4	8.65	94.6	10.04	103.0	11.66	112.0	13.17	115.4	13.45	119.8	13.82	123.2	14.06
		192.0	87.4	8.48	94.6	9.88	103.0	11.48	112.0	12.96	115.4	13.24	119.8	13.60	123.2	13.84
		384.0	87.4	7.80	94.6	9.24	103.0	10.76	112.0	12.12	115.4	12.40	119.8	12.72	123.2	12.96
		480.0	87.4	7.56	94.6	9.04	103.0	10.52	112.0	11.88	115.4	12.16	119.8	12.48	123.2	12.60
		576.0	87.4	7.44	94.6	8.94	103.0	10.40	112.0	11.76	115.4	12.04	119.8	12.36	123.2	12.42

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	153.6	87.4	10.65	94.6	12.35	103.0	14.43	112.0	16.22	115.4	16.63	119.8	17.03	123.2	17.31
		192.0	87.4	10.44	94.6	12.16	103.0	14.20	112.0	15.96	115.4	16.36	119.8	16.76	123.2	17.04
		384.0	87.4	9.60	94.6	11.40	103.0	13.28	112.0	14.92	115.4	15.28	119.8	15.68	123.2	15.96
		480.0	87.4	9.32	94.6	11.16	103.0	13.00	112.0	14.64	115.4	15.00	119.8	15.40	123.2	15.56
		576.0	87.4	9.18	94.6	11.04	103.0	12.86	112.0	14.50	115.4	14.86	119.8	15.26	123.2	15.36
	25	153.6	87.4	12.97	94.6	15.08	103.0	17.56	112.0	19.80	115.4	20.29	119.8	20.77	123.2	21.13
		192.0	87.4	12.72	94.6	14.84	103.0	17.28	112.0	19.48	115.4	19.96	119.8	20.44	123.2	20.80
		384.0	87.4	11.72	94.6	13.88	103.0	16.16	112.0	18.20	115.4	18.64	119.8	19.12	123.2	19.48
		480.0	87.4	11.40	94.6	13.60	103.0	15.84	112.0	17.84	115.4	18.28	119.8	18.76	123.2	18.96
		576.0	87.4	11.24	94.6	13.46	103.0	15.68	112.0	17.66	115.4	18.10	119.8	18.58	123.2	18.70
	30	153.6	87.4	15.95	94.6	18.58	103.0	21.63	112.0	24.35	115.4	24.92	119.8	25.52	123.2	26.01
		192.0	87.4	15.64	94.6	18.28	103.0	21.28	112.0	23.96	115.4	24.52	119.8	25.12	123.2	25.60
		384.0	87.4	14.40	94.6	17.08	103.0	19.88	112.0	22.40	115.4	22.92	119.8	23.52	123.2	23.96
		480.0	87.4	14.00	94.6	16.72	103.0	19.48	112.0	21.96	115.4	22.52	119.8	23.08	123.2	23.32
		576.0	87.4	13.80	94.6	16.54	103.0	19.28	112.0	21.74	115.4	22.32	119.8	22.86	123.2	23.00
	35	153.6	83.0	16.85	89.9	19.59	97.9	22.80	106.4	25.69	109.5	26.30	113.9	26.94	117.0	27.43
		192.0	83.0	16.52	89.9	19.28	97.9	22.44	106.4	25.28	109.5	25.88	113.9	26.52	117.0	27.00
		384.0	83.0	15.20	89.9	18.04	97.9	21.00	106.4	23.64	109.5	24.20	113.9	24.84	117.0	25.28
		480.0	83.0	14.80	89.9	17.64	97.9	20.56	106.4	23.20	109.5	23.76	113.9	24.36	117.0	24.60
		576.0	83.0	14.60	89.9	17.44	97.9	20.34	106.4	22.98	109.5	23.54	113.9	24.12	117.0	24.26
	40	153.6	78.6	18.94	85.1	21.99	92.7	25.61	100.8	28.82	103.8	29.51	107.9	30.24	110.8	30.76
		192.0	78.6	18.56	85.1	21.64	92.7	25.20	100.8	28.36	103.8	29.04	107.9	29.76	110.8	30.28
		384.0	78.6	17.04	85.1	20.24	92.7	23.56	100.8	26.52	103.8	27.16	107.9	27.84	110.8	28.36
		480.0	78.6	16.60	85.1	19.80	92.7	23.08	100.8	26.00	103.8	26.64	107.9	27.32	110.8	27.60
		576.0	78.6	16.38	85.1	19.58	92.7	22.84	100.8	25.74	103.8	26.38	107.9	27.06	110.8	27.22
	45	153.6	74.2	21.03	80.4	24.39	87.6	28.42	95.2	31.96	98.1	32.73	102.0	33.55	104.6	34.10
		192.0	74.2	20.60	80.4	24.00	87.6	27.96	95.2	31.44	98.1	32.20	102.0	33.00	104.6	33.56
		384.0	74.2	18.88	80.4	22.44	87.6	26.12	95.2	29.40	98.1	30.12	102.0	30.84	104.6	31.44
		480.0	74.2	18.40	80.4	21.96	87.6	25.60	95.2	28.80	98.1	29.52	102.0	30.28	104.6	30.60
		576.0	74.2	18.16	80.4	21.72	87.6	25.34	95.2	28.50	98.1	29.22	102.0	30.00	104.6	30.18
90	10	153.6	78.6	5.44	85.1	6.32	92.7	7.39	100.8	8.36	103.8	8.51	107.9	8.69	110.8	8.96
		192.0	78.6	5.35	85.1	6.23	92.7	7.27	100.8	8.24	103.8	8.39	107.9	8.58	110.8	8.82
		384.0	78.6	4.97	85.1	5.89	92.7	6.81	100.8	7.74	103.8	7.89	107.9	8.13	110.8	8.24
		480.0	78.6	4.81	85.1	5.69	92.7	6.70	100.8	7.50	103.8	7.74	107.9	7.97	110.8	7.96
		576.0	78.6	4.73	85.1	5.59	92.7	6.64	100.8	7.38	103.8	7.66	107.9	7.89	110.8	7.82
	15	153.6	78.6	7.42	85.1	8.61	92.7	10.04	100.8	11.34	103.8	11.58	107.9	11.86	110.8	12.11
		192.0	78.6	7.28	85.1	8.48	92.7	9.88	100.8	11.16	103.8	11.40	107.9	11.68	110.8	11.92
		384.0	78.6	6.72	85.1	7.96	92.7	9.24	100.8	10.44	103.8	10.68	107.9	10.96	110.8	11.16
		480.0	78.6	6.52	85.1	7.76	92.7	9.08	100.8	10.20	103.8	10.48	107.9	10.76	110.8	10.84
		576.0	78.6	6.42	85.1	7.66	92.7	9.00	100.8	10.08	103.8	10.38	107.9	10.66	110.8	10.68
	20	153.6	78.6	9.18	85.1	10.65	92.7	12.40	100.8	13.99	103.8	14.31	107.9	14.68	110.8	14.91
		192.0	78.6	9.00	85.1	10.48	92.7	12.20	100.8	13.76	103.8	14.08	107.9	14.44	110.8	14.68
		384.0	78.6	8.28	85.1	9.80	92.7	11.40	100.8	12.84	103.8	13.16	107.9	13.48	110.8	13.76
		480.0	78.6	8.04	85.1	9.60	92.7	11.20	100.8	12.60	103.8	12.92	107.9	13.24	110.8	13.40
		576.0	78.6	7.92	85.1	9.50	92.7	11.10	100.8	12.48	103.8	12.80	107.9	13.12	110.8	13.22
	25	153.6	78.6	11.18	85.1	13.01	92.7	15.12	100.8	17.03	103.8	17.44	107.9	17.88	110.8	18.21
		192.0	78.6	10.96	85.1	12.80	92.7	14.88	100.8	16.76	103.8	17.16	107.9	17.60	110.8	17.92
		384.0	78.6	10.08	85.1	11.96	92.7	13.92	100.8	15.68	103.8	16.04	107.9	16.48	110.8	16.76
		480.0	78.6	9.80	85.1	11.68	92.7	13.64	100.8	15.36	103.8	15.76	107.9	16.16	110.8	16.32
		576.0	78.6	9.66	85.1	11.54	92.7	13.50	100.8	15.20	103.8	15.62	107.9	16.00	110.8	16.10
	30	153.6	78.6	13.75	85.1	15.98	92.7	18.62	100.8	20.98	103.8	21.46	107.9	21.99	110.8	22.40
		192.0	78.6	13.48	85.1	15.72	92.7	18.32	100.8	20.64	103.8	21.12	107.9	21.64	110.8	22.04
		384.0	78.6	12.40	85.1	14.68	92.7	17.12	100.8	19.28	103.8	19.76	107.9	20.24	110.8	20.60
		480.0	78.6	12.04	85.1	14.40	92.7	16.76	100.8	18.92	103.8	19.36	107.9	19.88	110.8	20.08
		576.0	78.6	11.86	85.1	14.26	92.7	16.58	100.8	18.74	103.8	19.16	107.9	19.70	110.8	19.82
	35	153.6	76.5	14.86	82.8	17.24	90.2	20.08	98.0	22.60	100.9	23.13	104.9	23.69	107.8	24.14
		192.0	76.5	14.56	82.8	16.96	90.2	19.76	98.0	22.24	100.9	22.76	104.9	23.32	107.8	23.76
		384.0	76.5	13.36	82.8	15.84	90.2	18.48	98.0	20.80	100.9	21.28	104.9	21.84	107.8	22.24
		480.0	76.5	13.00	82.8	15.52	90.2	18.08	98.0	20.40	100.9	20.92	104.9	21.44	107.8	21.64
		576.0	76.5	12.82	82.8	15.36	90.2	17.88	98.0	20.20	100.9	20.74	104.9	21.24	107.8	21.34
	40	153.6	74.3	17.06	80.5	19.80	87.6	23.04	95.2	25.98	98.1	26.58	101.8	27.23	104.8	27.71
		192.0	74.3	16.72	80.5	19.48	87.6	22.68	95.2	25.56	98.1	26.16	101.8	26.80	104.8	27.28
		384.0	74.3	15.36	80.5	18.20	87.6	21.24	95.2	23.88	98.1	24.48	101.8	25.08	104.8	25.56
		480.0	74.3	14.92	80.5	17.84	87.6	20.80	95.2	23.44	98.1	24.00	101.8	24.64	104.8	24.88
		576.0	74.3	14.70	80.5	17.66	87.6	20.58	95.2	23.22	98.1	23.76	101.8	24.42	104.8	24.54

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	153.6	72.1	19.26	78.1	22.36	85.0	26.00	92.4	29.36	95.3	30.03	98.8	30.78	101.7	31.28
		192.0	72.1	18.88	78.1	22.00	85.0	25.60	92.4	28.88	95.3	29.56	98.8	30.28	101.7	30.80
		384.0	72.1	17.36	78.1	20.56	85.0	24.00	92.4	26.96	95.3	27.68	98.8	28.32	101.7	28.88
		480.0	72.1	16.84	78.1	20.16	85.0	23.52	92.4	26.48	95.3	27.08	98.8	27.84	101.7	28.12
		576.0	72.1	16.58	78.1	19.96	85.0	23.28	92.4	26.24	95.3	26.78	98.8	27.60	101.7	27.74
80	10	153.6	69.8	4.65	75.7	5.30	82.5	6.16	89.6	7.06	92.3	7.15	95.9	7.36	98.6	7.42
		192.0	69.8	4.55	75.7	5.23	82.5	6.08	89.6	6.93	92.3	7.04	95.9	7.24	98.6	7.31
		384.0	69.8	4.12	75.7	4.97	82.5	5.74	89.6	6.43	92.3	6.62	95.9	6.73	98.6	6.85
		480.0	69.8	4.09	75.7	4.81	82.5	5.62	89.6	6.31	92.3	6.42	95.9	6.62	98.6	6.70
		576.0	69.8	4.07	75.7	4.73	82.5	5.56	89.6	6.25	92.3	6.32	95.9	6.56	98.6	6.62
	15	153.6	69.8	6.25	75.7	7.23	82.5	8.41	89.6	9.52	92.3	9.71	95.9	9.96	98.6	10.12
		192.0	69.8	6.12	75.7	7.12	82.5	8.28	89.6	9.36	92.3	9.56	95.9	9.80	98.6	9.96
		384.0	69.8	5.60	75.7	6.68	82.5	7.76	89.6	8.72	92.3	8.96	95.9	9.16	98.6	9.32
		480.0	69.8	5.48	75.7	6.52	82.5	7.60	89.6	8.56	92.3	8.76	95.9	9.00	98.6	9.08
		576.0	69.8	5.42	75.7	6.44	82.5	7.52	89.6	8.48	92.3	8.66	95.9	8.92	98.6	8.96
	20	153.6	69.8	7.67	75.7	8.95	82.5	10.41	89.6	11.71	92.3	11.99	95.9	12.27	98.6	12.52
		192.0	69.8	7.52	75.7	8.80	82.5	10.24	89.6	11.52	92.3	11.80	95.9	12.08	98.6	12.32
		384.0	69.8	6.92	75.7	8.20	82.5	9.56	89.6	10.76	92.3	11.04	95.9	11.32	98.6	11.52
		480.0	69.8	6.72	75.7	8.04	82.5	9.36	89.6	10.56	92.3	10.84	95.9	11.12	98.6	11.20
		576.0	69.8	6.62	75.7	7.96	82.5	9.26	89.6	10.46	92.3	10.74	95.9	11.02	98.6	11.04
	25	153.6	69.8	9.39	75.7	10.90	82.5	12.68	89.6	14.26	92.3	14.64	95.9	15.00	98.6	15.24
		192.0	69.8	9.20	75.7	10.72	82.5	12.48	89.6	14.04	92.3	14.40	95.9	14.76	98.6	15.00
		384.0	69.8	8.44	75.7	10.00	82.5	11.68	89.6	13.16	92.3	13.44	95.9	13.80	98.6	14.04
		480.0	69.8	8.20	75.7	9.80	82.5	11.44	89.6	12.88	92.3	13.20	95.9	13.56	98.6	13.68
		576.0	69.8	8.08	75.7	9.70	82.5	11.32	89.6	12.74	92.3	13.08	95.9	13.44	98.6	13.50
	30	153.6	69.8	11.50	75.7	13.37	82.5	15.61	89.6	17.56	92.3	17.96	95.9	18.41	98.6	18.78
		192.0	69.8	11.28	75.7	13.16	82.5	15.36	89.6	17.28	92.3	17.68	95.9	18.12	98.6	18.48
		384.0	69.8	10.40	75.7	12.32	82.5	14.36	89.6	16.16	92.3	16.56	95.9	16.96	98.6	17.28
		480.0	69.8	10.12	75.7	12.04	82.5	14.04	89.6	15.84	92.3	16.24	95.9	16.64	98.6	16.84
		576.0	69.8	9.98	75.7	11.90	82.5	13.88	89.6	15.68	92.3	16.08	95.9	16.48	98.6	16.62
	35	153.6	69.8	12.81	75.7	14.88	82.5	17.31	89.6	19.51	92.3	20.00	95.9	20.49	98.6	20.85
		192.0	69.8	12.56	75.7	14.64	82.5	17.04	89.6	19.20	92.3	19.68	95.9	20.16	98.6	20.52
		384.0	69.8	11.56	75.7	13.68	82.5	15.96	89.6	17.96	92.3	18.40	95.9	18.84	98.6	19.20
		480.0	69.8	11.24	75.7	13.40	82.5	15.64	89.6	17.60	92.3	18.04	95.9	18.52	98.6	18.68
		576.0	69.8	11.08	75.7	13.26	82.5	15.48	89.6	17.42	92.3	17.86	95.9	18.36	98.6	18.42
	40	153.6	69.8	15.18	75.7	17.65	82.5	20.53	89.6	23.13	92.3	23.66	95.9	24.27	98.6	24.67
		192.0	69.8	14.88	75.7	17.36	82.5	20.20	89.6	22.76	92.3	23.28	95.9	23.88	98.6	24.28
		384.0	69.8	13.68	75.7	16.20	82.5	18.88	89.6	21.28	92.3	21.76	95.9	22.32	98.6	22.72
		480.0	69.8	13.28	75.7	15.88	82.5	18.48	89.6	20.84	92.3	21.36	95.9	21.92	98.6	22.12
		576.0	69.8	13.08	75.7	15.72	82.5	18.28	89.6	20.62	92.3	21.16	95.9	21.72	98.6	21.82
	45	153.6	69.8	17.55	75.7	20.42	82.5	23.75	89.6	26.75	92.3	27.32	95.9	28.05	98.6	28.49
		192.0	69.8	17.20	75.7	20.08	82.5	23.36	89.6	26.32	92.3	26.88	95.9	27.60	98.6	28.04
		384.0	69.8	15.80	75.7	18.72	82.5	21.80	89.6	24.60	92.3	25.12	95.9	25.80	98.6	26.24
		480.0	69.8	15.32	75.7	18.36	82.5	21.32	89.6	24.08	92.3	24.68	95.9	25.32	98.6	25.56
		576.0	69.8	15.08	75.7	18.18	82.5	21.08	89.6	23.82	92.3	24.46	95.9	25.08	98.6	25.22
70	10	153.6	61.2	3.80	66.2	4.42	72.2	5.11	78.4	5.77	80.7	5.99	83.9	6.14	86.2	6.16
		192.0	61.2	3.73	66.2	4.35	72.2	5.04	78.4	5.69	80.7	5.89	83.9	6.05	86.2	6.08
		384.0	61.2	3.47	66.2	4.04	72.2	4.73	78.4	5.39	80.7	5.51	83.9	5.66	86.2	5.74
		480.0	61.2	3.39	66.2	3.96	72.2	4.66	78.4	5.23	80.7	5.35	83.9	5.50	86.2	5.58
		576.0	61.2	3.35	66.2	3.92	72.2	4.62	78.4	5.15	80.7	5.26	83.9	5.42	86.2	5.50
	15	153.6	61.2	5.18	66.2	6.02	72.2	6.99	78.4	7.88	80.7	8.09	83.9	8.29	86.2	8.41
		192.0	61.2	5.08	66.2	5.92	72.2	6.88	78.4	7.76	80.7	7.96	83.9	8.16	86.2	8.28
		384.0	61.2	4.68	66.2	5.52	72.2	6.44	78.4	7.28	80.7	7.44	83.9	7.64	86.2	7.76
		480.0	61.2	4.56	66.2	5.40	72.2	6.32	78.4	7.12	80.7	7.28	83.9	7.48	86.2	7.56
		576.0	61.2	4.50	66.2	5.34	72.2	6.26	78.4	7.04	80.7	7.20	83.9	7.40	86.2	7.46
	20	153.6	61.2	6.41	66.2	7.44	72.2	8.66	78.4	9.76	80.7	9.96	83.9	10.20	86.2	10.41
		192.0	61.2	6.28	66.2	7.32	72.2	8.52	78.4	9.60	80.7	9.80	83.9	10.04	86.2	10.24
		384.0	61.2	5.76	66.2	6.84	72.2	7.96	78.4	8.96	80.7	9.16	83.9	9.40	86.2	9.56
		480.0	61.2	5.60	66.2	6.68	72.2	7.80	78.4	8.80	80.7	9.00	83.9	9.24	86.2	9.32
		576.0	61.2	5.52	66.2	6.60	72.2	7.72	78.4	8.72	80.7	8.92	83.9	9.16	86.2	9.20
	25	153.6	61.2	7.79	66.2	9.07	72.2	10.52	78.4	11.87	80.7	12.15	83.9	12.43	86.2	12.68
		192.0	61.2	7.64	66.2	8.92	72.2	10.36	78.4	11.68	80.7	11.96	83.9	12.24	86.2	12.48
		384.0	61.2	7.04	66.2	8.32	72.2	9.72	78.4	10.92	80.7	11.20	83.9	11.48	86.2	11.68
		480.0	61.2	6.84	66.2	8.16	72.2	9.52	78.4	10.72	80.7	10.96	83.9	11.24	86.2	11.36
		576.0	61.2	6.74	66.2	8.08	72.2	9.42	78.4	10.62	80.7	10.84	83.9	11.12	86.2	11.20

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	153.6	61.2	9.59	66.2	11.14	72.2	12.97	78.4	14.59	80.7	14.96	83.9	15.32	86.2	15.61
		192.0	61.2	9.40	66.2	10.96	72.2	12.76	78.4	14.36	80.7	14.72	83.9	15.08	86.2	15.36
		384.0	61.2	8.64	66.2	10.24	72.2	11.92	78.4	13.44	80.7	13.76	83.9	14.12	86.2	14.36
		480.0	61.2	8.40	66.2	10.04	72.2	11.68	78.4	13.16	80.7	13.52	83.9	13.84	86.2	14.00
		576.0	61.2	8.28	66.2	9.94	72.2	11.56	78.4	13.02	80.7	13.40	83.9	13.70	86.2	13.82
	35	153.6	61.2	10.65	66.2	12.35	72.2	14.44	78.4	16.22	80.7	16.63	83.9	17.03	86.2	17.31
		192.0	61.2	10.44	66.2	12.16	72.2	14.20	78.4	15.96	80.7	16.36	83.9	16.76	86.2	17.04
		384.0	61.2	9.60	66.2	11.40	72.2	13.24	78.4	14.92	80.7	15.28	83.9	15.68	86.2	15.96
		480.0	61.2	9.32	66.2	11.12	72.2	13.00	78.4	14.64	80.7	15.00	83.9	15.40	86.2	15.56
		576.0	61.2	9.18	66.2	10.98	72.2	12.88	78.4	14.50	80.7	14.86	83.9	15.26	86.2	15.36
	40	153.6	61.2	12.61	66.2	14.63	72.2	17.07	78.4	19.23	80.7	19.67	83.9	20.16	86.2	20.52
		192.0	61.2	12.36	66.2	14.40	72.2	16.80	78.4	18.92	80.7	19.36	83.9	19.84	86.2	20.20
		384.0	61.2	11.36	66.2	13.48	72.2	15.72	78.4	17.68	80.7	18.12	83.9	18.56	86.2	18.92
		480.0	61.2	11.04	66.2	13.20	72.2	15.36	78.4	17.32	80.7	17.76	83.9	18.24	86.2	18.40
		576.0	61.2	10.88	66.2	13.06	72.2	15.18	78.4	17.14	80.7	17.58	83.9	18.08	86.2	18.14
	45	153.6	61.2	14.57	66.2	16.91	72.2	19.70	78.4	22.24	80.7	22.71	83.9	23.29	86.2	23.73
		192.0	61.2	14.28	66.2	16.64	72.2	19.40	78.4	21.88	80.7	22.36	83.9	22.92	86.2	23.36
		384.0	61.2	13.12	66.2	15.56	72.2	18.20	78.4	20.44	80.7	20.96	83.9	21.44	86.2	21.88
		480.0	61.2	12.76	66.2	15.28	72.2	17.72	78.4	20.00	80.7	20.52	83.9	21.08	86.2	21.24
		576.0	61.2	12.58	66.2	15.14	72.2	17.48	78.4	19.78	80.7	20.30	83.9	20.90	86.2	20.92
60	10	153.6	52.4	3.02	56.8	3.52	61.8	4.04	67.2	4.66	69.3	4.78	71.9	4.84	73.9	4.91
		192.0	52.4	2.96	56.8	3.46	61.8	4.00	67.2	4.58	69.3	4.70	71.9	4.77	73.9	4.85
		384.0	52.4	2.73	56.8	3.23	61.8	3.81	67.2	4.27	69.3	4.35	71.9	4.51	73.9	4.58
		480.0	52.4	2.61	56.8	3.20	61.8	3.74	67.2	4.20	69.3	4.27	71.9	4.39	73.9	4.47
		576.0	52.4	2.55	56.8	3.18	61.8	3.70	67.2	4.16	69.3	4.23	71.9	4.32	73.9	4.41
	15	153.6	52.4	4.12	56.8	4.80	61.8	5.56	67.2	6.30	69.3	6.47	71.9	6.58	73.9	6.70
		192.0	52.4	4.04	56.8	4.72	61.8	5.48	67.2	6.20	69.3	6.36	71.9	6.48	73.9	6.60
		384.0	52.4	3.72	56.8	4.40	61.8	5.16	67.2	5.80	69.3	5.92	71.9	6.08	73.9	6.20
		480.0	52.4	3.60	56.8	4.32	61.8	5.04	67.2	5.68	69.3	5.80	71.9	5.96	73.9	6.04
		576.0	52.4	3.54	56.8	4.28	61.8	4.98	67.2	5.62	69.3	5.74	71.9	5.90	73.9	5.96
	20	153.6	52.4	5.10	56.8	5.94	61.8	6.91	67.2	7.76	69.3	7.97	71.9	8.13	73.9	8.29
		192.0	52.4	5.00	56.8	5.84	61.8	6.80	67.2	7.64	69.3	7.84	71.9	8.00	73.9	8.16
		384.0	52.4	4.60	56.8	5.44	61.8	6.36	67.2	7.16	69.3	7.32	71.9	7.48	73.9	7.64
		480.0	52.4	4.48	56.8	5.32	61.8	6.20	67.2	7.00	69.3	7.16	71.9	7.36	73.9	7.44
		576.0	52.4	4.42	56.8	5.26	61.8	6.12	67.2	6.92	69.3	7.08	71.9	7.30	73.9	7.34
	25	153.6	52.4	6.20	56.8	7.24	61.8	8.42	67.2	9.47	69.3	9.67	71.9	9.91	73.9	10.12
		192.0	52.4	6.08	56.8	7.12	61.8	8.28	67.2	9.32	69.3	9.52	71.9	9.76	73.9	9.96
		384.0	52.4	5.60	56.8	6.64	61.8	7.72	67.2	8.72	69.3	8.92	71.9	9.16	73.9	9.32
		480.0	52.4	5.44	56.8	6.48	61.8	7.56	67.2	8.52	69.3	8.76	71.9	8.96	73.9	9.08
		576.0	52.4	5.36	56.8	6.40	61.8	7.48	67.2	8.42	69.3	8.68	71.9	8.86	73.9	8.96
	30	153.6	52.4	7.63	56.8	8.86	61.8	10.32	67.2	11.62	69.3	11.91	71.9	12.19	73.9	12.44
		192.0	52.4	7.48	56.8	8.72	61.8	10.16	67.2	11.44	69.3	11.72	71.9	12.00	73.9	12.24
		384.0	52.4	6.88	56.8	8.16	61.8	9.52	67.2	10.72	69.3	10.96	71.9	11.24	73.9	11.44
		480.0	52.4	6.68	56.8	8.00	61.8	9.32	67.2	10.52	69.3	10.76	71.9	11.04	73.9	11.16
		576.0	52.4	6.58	56.8	7.92	61.8	9.22	67.2	10.42	69.3	10.66	71.9	10.94	73.9	11.02
	35	153.6	52.4	8.49	56.8	9.88	61.8	11.51	67.2	12.92	69.3	13.25	71.9	13.58	73.9	13.82
		192.0	52.4	8.32	56.8	9.72	61.8	11.32	67.2	12.72	69.3	13.04	71.9	13.36	73.9	13.60
		384.0	52.4	7.64	56.8	9.08	61.8	10.56	67.2	11.92	69.3	12.20	71.9	12.48	73.9	12.72
		480.0	52.4	7.44	56.8	8.88	61.8	10.36	67.2	11.68	69.3	11.96	71.9	12.28	73.9	12.40
		576.0	52.4	7.34	56.8	8.78	61.8	10.26	67.2	11.56	69.3	11.84	71.9	12.18	73.9	12.24
	40	153.6	52.4	10.03	56.8	11.66	61.8	13.62	67.2	15.33	69.3	15.69	71.9	16.05	73.9	16.38
		192.0	52.4	9.84	56.8	11.48	61.8	13.40	67.2	15.08	69.3	15.44	71.9	15.80	73.9	16.12
		384.0	52.4	9.08	56.8	10.76	61.8	12.52	67.2	14.08	69.3	14.44	71.9	14.80	73.9	15.08
		480.0	52.4	8.80	56.8	10.52	61.8	12.28	67.2	13.80	69.3	14.16	71.9	14.52	73.9	14.68
		576.0	52.4	8.66	56.8	10.40	61.8	12.16	67.2	13.66	69.3	14.02	71.9	14.38	73.9	14.48
	45	153.6	52.4	11.57	56.8	13.44	61.8	15.73	67.2	17.74	69.3	18.13	71.9	18.52	73.9	18.94
		192.0	52.4	11.36	56.8	13.24	61.8	15.48	67.2	17.44	69.3	17.84	71.9	18.24	73.9	18.64
		384.0	52.4	10.52	56.8	12.44	61.8	14.48	67.2	16.24	69.3	16.68	71.9	17.12	73.9	17.44
		480.0	52.4	10.16	56.8	12.16	61.8	14.20	67.2	15.92	69.3	16.36	71.9	16.76	73.9	16.96
		576.0	52.4	9.98	56.8	12.02	61.8	14.06	67.2	15.76	69.3	16.20	71.9	16.58	73.9	16.72
50	10	153.6	43.7	2.24	47.3	2.61	51.5	3.14	56.1	3.43	57.7	3.50	59.9	3.65	61.5	3.67
		192.0	43.7	2.19	47.3	2.58	51.5	3.09	56.1	3.39	57.7	3.46	59.9	3.58	61.5	3.62
		384.0	43.7	2.00	47.3	2.43	51.5	2.85	56.1	3.20	57.7	3.32	59.9	3.31	61.5	3.39
		480.0	43.7	1.96	47.3	2.43	51.5	2.77	56.1	3.12	57.7	3.15	59.9	3.27	61.5	3.27
		576.0	43.7	1.94	47.3	2.43	51.5	2.73	56.1	3.07	57.7	3.07	59.9	3.25	61.5	3.20

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	153.6	43.7	3.06	47.3	3.58	51.5	4.19	56.1	4.67	57.7	4.79	59.9	4.92	61.5	5.00
		192.0	43.7	3.00	47.3	3.52	51.5	4.12	56.1	4.60	57.7	4.72	59.9	4.84	61.5	4.92
		384.0	43.7	2.76	47.3	3.28	51.5	3.84	56.1	4.32	57.7	4.44	59.9	4.52	61.5	4.60
		480.0	43.7	2.68	47.3	3.24	51.5	3.76	56.1	4.24	57.7	4.32	59.9	4.44	61.5	4.48
		576.0	43.7	2.64	47.3	3.22	51.5	3.72	56.1	4.20	57.7	4.26	59.9	4.40	61.5	4.42
	20	153.6	43.7	3.79	47.3	4.44	51.5	5.12	56.1	5.77	57.7	5.94	59.9	6.05	61.5	6.18
		192.0	43.7	3.72	47.3	4.36	51.5	5.04	56.1	5.68	57.7	5.84	59.9	5.96	61.5	6.08
		384.0	43.7	3.44	47.3	4.04	51.5	4.72	56.1	5.32	57.7	5.44	59.9	5.60	61.5	5.68
		480.0	43.7	3.32	47.3	3.96	51.5	4.64	56.1	5.24	57.7	5.36	59.9	5.48	61.5	5.56
		576.0	43.7	3.26	47.3	3.92	51.5	4.60	56.1	5.20	57.7	5.32	59.9	5.42	61.5	5.50
	25	153.6	43.7	4.61	47.3	5.36	51.5	6.26	56.1	7.08	57.7	7.24	59.9	7.40	61.5	7.51
		192.0	43.7	4.52	47.3	5.28	51.5	6.16	56.1	6.96	57.7	7.12	59.9	7.28	61.5	7.40
		384.0	43.7	4.16	47.3	4.96	51.5	5.76	56.1	6.48	57.7	6.64	59.9	6.80	61.5	6.96
		480.0	43.7	4.04	47.3	4.84	51.5	5.64	56.1	6.36	57.7	6.52	59.9	6.68	61.5	6.76
		576.0	43.7	3.98	47.3	4.78	51.5	5.58	56.1	6.30	57.7	6.46	59.9	6.62	61.5	6.66
	30	153.6	43.7	5.72	47.3	6.63	51.5	7.73	56.1	8.70	57.7	8.91	59.9	9.10	61.5	9.27
		192.0	43.7	5.60	47.3	6.52	51.5	7.60	56.1	8.56	57.7	8.76	59.9	8.96	61.5	9.12
		384.0	43.7	5.12	47.3	6.08	51.5	7.08	56.1	8.00	57.7	8.16	59.9	8.40	61.5	8.52
		480.0	43.7	5.00	47.3	5.96	51.5	6.96	56.1	7.84	57.7	8.04	59.9	8.24	61.5	8.32
		576.0	43.7	4.94	47.3	5.90	51.5	6.90	56.1	7.76	57.7	7.98	59.9	8.16	61.5	8.22
	35	153.6	43.7	6.32	47.3	7.36	51.5	8.58	56.1	9.63	57.7	9.88	59.9	10.12	61.5	10.28
		192.0	43.7	6.20	47.3	7.24	51.5	8.44	56.1	9.48	57.7	9.72	59.9	9.96	61.5	10.12
		384.0	43.7	5.72	47.3	6.76	51.5	7.88	56.1	8.88	57.7	9.08	59.9	9.32	61.5	9.48
		480.0	43.7	5.56	47.3	6.64	51.5	7.72	56.1	8.72	57.7	8.92	59.9	9.16	61.5	9.24
		576.0	43.7	5.48	47.3	6.58	51.5	7.64	56.1	8.64	57.7	8.84	59.9	9.08	61.5	9.12
	40	153.6	43.7	7.51	47.3	8.70	51.5	10.17	56.1	11.42	57.7	11.71	59.9	11.99	61.5	12.19
		192.0	43.7	7.36	47.3	8.56	51.5	10.00	56.1	11.24	57.7	11.52	59.9	11.80	61.5	12.00
		384.0	43.7	6.76	47.3	8.00	51.5	9.32	56.1	10.52	57.7	10.76	59.9	11.04	61.5	11.24
		480.0	43.7	6.56	47.3	7.84	51.5	9.16	56.1	10.32	57.7	10.56	59.9	10.84	61.5	10.92
		576.0	43.7	6.46	47.3	7.76	51.5	9.08	56.1	10.22	57.7	10.46	59.9	10.74	61.5	10.76
	45	153.6	43.7	8.70	47.3	10.04	51.5	11.76	56.1	13.21	57.7	13.54	59.9	13.86	61.5	14.10
		192.0	43.7	8.52	47.3	9.88	51.5	11.56	56.1	13.00	57.7	13.32	59.9	13.64	61.5	13.88
		384.0	43.7	7.80	47.3	9.24	51.5	10.76	56.1	12.16	57.7	12.44	59.9	12.76	61.5	13.00
		480.0	43.7	7.56	47.3	9.04	51.5	10.60	56.1	11.92	57.7	12.20	59.9	12.52	61.5	12.60
		576.0	43.7	7.44	47.3	8.94	51.5	10.52	56.1	11.80	57.7	12.08	59.9	12.40	61.5	12.40

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(42HP)

ARWN420LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	161.6	109.3	7.64	118.4	8.94	128.9	10.42	140.0	11.70	144.3	11.96	150.0	12.33	154.2	12.52
		202.0	109.3	7.50	118.4	8.79	128.9	10.25	140.0	11.51	144.3	11.78	150.0	12.12	154.2	12.33
		404.0	109.3	6.95	118.4	8.18	128.9	9.55	140.0	10.76	144.3	11.07	150.0	11.31	154.2	11.57
		505.0	109.3	6.74	118.4	8.04	128.9	9.38	140.0	10.52	144.3	10.83	150.0	11.11	154.2	11.27
		606.0	109.3	6.64	118.4	7.97	128.9	9.30	140.0	10.41	144.3	10.71	150.0	11.00	154.2	11.12
	15	161.6	107.5	10.07	116.5	11.73	126.8	13.67	137.8	15.36	142.0	15.73	147.5	16.14	151.7	16.41
		202.0	107.5	9.87	116.5	11.54	126.8	13.45	137.8	15.12	142.0	15.48	147.5	15.88	151.7	16.17
		404.0	107.5	9.10	116.5	10.77	126.8	12.56	137.8	14.14	142.0	14.50	147.5	14.88	151.7	15.19
		505.0	107.5	8.85	116.5	10.56	126.8	12.31	137.8	13.85	142.0	14.22	147.5	14.58	151.7	14.83
		606.0	107.5	8.73	116.5	10.45	126.8	12.18	137.8	13.71	142.0	14.08	147.5	14.44	151.7	14.65
	20	161.6	106.0	12.23	114.8	14.21	125.0	16.56	135.9	18.62	139.9	19.07	145.3	19.52	149.5	19.87
		202.0	106.0	11.98	114.8	13.98	125.0	16.29	135.9	18.32	139.9	18.77	145.3	19.22	149.5	19.58
		404.0	106.0	11.01	114.8	13.07	125.0	15.23	135.9	17.14	139.9	17.56	145.3	18.04	149.5	18.40
		505.0	106.0	10.73	114.8	12.80	125.0	14.91	135.9	16.81	139.9	17.23	145.3	17.68	149.5	18.00
		606.0	106.0	10.58	114.8	12.66	125.0	14.75	135.9	16.65	139.9	17.07	145.3	17.49	149.5	17.79
	25	161.6	106.0	15.09	114.8	17.51	125.0	20.40	135.9	23.00	139.9	23.53	145.3	24.10	149.5	24.50
		202.0	106.0	14.79	114.8	17.23	125.0	20.07	135.9	22.63	139.9	23.15	145.3	23.73	149.5	24.14
		404.0	106.0	13.61	114.8	16.12	125.0	18.77	135.9	21.13	139.9	21.66	145.3	22.25	149.5	22.68
		505.0	106.0	13.21	114.8	15.76	125.0	18.40	135.9	20.72	139.9	21.26	145.3	21.82	149.5	22.18
		606.0	106.0	13.00	114.8	15.59	125.0	18.21	135.9	20.52	139.9	21.05	145.3	21.60	149.5	21.93
	30	161.6	106.0	18.11	114.8	21.02	125.0	24.48	135.9	27.59	139.9	28.24	145.3	28.93	149.5	29.41
		202.0	106.0	17.75	114.8	20.68	125.0	24.09	135.9	27.14	139.9	27.79	145.3	28.47	149.5	28.97
		404.0	106.0	16.30	114.8	19.34	125.0	22.54	135.9	25.35	139.9	26.00	145.3	26.69	149.5	27.22
		505.0	106.0	15.84	114.8	18.93	125.0	22.06	135.9	24.86	139.9	25.51	145.3	26.16	149.5	26.61
		606.0	106.0	15.62	114.8	18.72	125.0	21.83	135.9	24.62	139.9	25.27	145.3	25.90	149.5	26.30
	35	161.6	95.4	18.28	103.3	21.27	112.5	24.78	122.3	27.87	125.9	28.57	130.8	29.25	134.5	29.73
		202.0	95.4	17.92	103.3	20.92	112.5	24.38	122.3	27.42	125.9	28.11	130.8	28.79	134.5	29.29
		404.0	95.4	16.49	103.3	19.55	112.5	22.79	122.3	25.67	125.9	26.29	130.8	26.98	134.5	27.54
		505.0	95.4	16.04	103.3	19.13	112.5	22.31	122.3	25.15	125.9	25.80	130.8	26.45	134.5	26.90
		606.0	95.4	15.81	103.3	18.92	112.5	22.06	122.3	24.89	125.9	25.55	130.8	26.19	134.5	26.58
	40	161.6	84.7	19.32	91.8	22.42	99.9	26.13	108.7	29.41	112.0	30.09	116.3	30.82	119.6	31.39
		202.0	84.7	18.93	91.8	22.06	99.9	25.71	108.7	28.93	112.0	29.62	116.3	30.35	119.6	30.92
		404.0	84.7	17.39	91.8	20.64	99.9	24.05	108.7	27.06	112.0	27.74	116.3	28.47	119.6	29.04
		505.0	84.7	16.90	91.8	20.19	99.9	23.52	108.7	26.53	112.0	27.22	116.3	27.91	119.6	28.39
		606.0	84.7	16.66	91.8	19.97	99.9	23.26	108.7	26.26	112.0	26.96	116.3	27.63	119.6	28.07
	45	161.6	74.1	20.35	80.4	23.57	87.4	27.48	95.1	30.95	98.0	31.61	101.7	32.39	104.6	33.05
		202.0	74.1	19.94	80.4	23.19	87.4	27.04	95.1	30.44	98.0	31.13	101.7	31.90	104.6	32.54
		404.0	74.1	18.29	80.4	21.72	87.4	25.31	95.1	28.45	98.0	29.20	101.7	29.97	104.6	30.54
		505.0	74.1	17.76	80.4	21.25	87.4	24.74	95.1	27.91	98.0	28.64	101.7	29.37	104.6	29.89
		606.0	74.1	17.50	80.4	21.01	87.4	24.46	95.1	27.63	98.0	28.36	101.7	29.07	104.6	29.56
120	10	161.6	103.5	7.28	112.0	8.49	122.0	9.83	132.6	11.09	136.6	11.40	141.9	11.68	145.9	11.83
		202.0	103.5	7.13	112.0	8.35	122.0	9.68	132.6	10.91	136.6	11.21	141.9	11.48	145.9	11.65
		404.0	103.5	6.54	112.0	7.80	122.0	9.10	132.6	10.19	136.6	10.43	141.9	10.71	145.9	10.94
		505.0	103.5	6.35	112.0	7.57	122.0	8.89	132.6	9.97	136.6	10.27	141.9	10.52	145.9	10.71
		606.0	103.5	6.25	112.0	7.45	122.0	8.78	132.6	9.86	136.6	10.18	141.9	10.43	145.9	10.59
	15	161.6	102.3	9.66	110.7	11.23	120.7	13.05	131.1	14.70	135.0	15.07	140.3	15.43	144.2	15.68
		202.0	102.3	9.46	110.7	11.05	120.7	12.84	131.1	14.47	135.0	14.82	140.3	15.19	144.2	15.44
		404.0	102.3	8.69	110.7	10.32	120.7	12.02	131.1	13.53	135.0	13.85	140.3	14.22	144.2	14.50
		505.0	102.3	8.45	110.7	10.08	120.7	11.78	131.1	13.25	135.0	13.61	140.3	13.94	144.2	14.17
		606.0	102.3	8.33	110.7	9.96	120.7	11.65	131.1	13.11	135.0	13.48	140.3	13.80	144.2	14.01
	20	161.6	101.2	11.77	109.6	13.67	119.4	15.91	129.7	17.92	133.7	18.33	138.8	18.77	142.7	19.10
		202.0	101.2	11.54	109.6	13.45	119.4	15.65	129.7	17.63	133.7	18.04	138.8	18.48	142.7	18.81
		404.0	101.2	10.60	109.6	12.56	119.4	14.63	129.7	16.49	133.7	16.89	138.8	17.34	142.7	17.67
		505.0	101.2	10.32	109.6	12.31	119.4	14.34	129.7	16.17	133.7	16.57	138.8	16.98	142.7	17.26
		606.0	101.2	10.17	109.6	12.18	119.4	14.20	129.7	16.00	133.7	16.41	138.8	16.80	142.7	17.05
	25	161.6	101.2	14.46	109.6	16.81	119.4	19.57	129.7	22.01	133.7	22.54	138.8	23.11	142.7	23.51
		202.0	101.2	14.17	109.6	16.53	119.4	19.25	129.7	21.66	133.7	22.18	138.8	22.74	142.7	23.15
		404.0	101.2	13.04	109.6	15.44	119.4	18.00	129.7	20.27	133.7	20.76	138.8	21.29	142.7	21.73
		505.0	101.2	12.67	109.6	15.12	119.4	17.63	129.7	19.86	133.7	20.36	138.8	20.88	142.7	21.20
		606.0	101.2	12.49	109.6	14.95	119.4	17.45	129.7	19.66	133.7	20.16	138.8	20.68	142.7	20.94
	30	161.6	101.2	17.45	109.6	20.32	119.4	23.66	129.7	26.63	133.7	27.25	138.8	27.94	142.7	28.42
		202.0	101.2	17.11	109.6	19.99	119.4	23.27	129.7	26.20	133.7	26.82	138.8	27.50	142.7	27.99
		404.0	101.2	15.76	109.6	18.68	119.4	21.74	129.7	24.50	133.7	25.11	138.8	25.75	142.7	26.25
		505.0	101.2	15.31	109.6	18.28	119.4	21.29	129.7	24.01	133.7	24.62	138.8	25.27	142.7	25.64
		606.0	101.2	15.09	109.6	18.08	119.4	21.07	129.7	23.77	133.7	24.38	138.8	25.02	142.7	25.33

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	161.6	92.6	17.91	100.3	20.81	109.3	24.23	118.7	27.30	122.3	27.96	127.1	28.60	130.6	29.13
		202.0	92.6	17.55	100.3	20.48	109.3	23.84	118.7	26.86	122.3	27.50	127.1	28.16	130.6	28.68
		404.0	92.6	16.13	100.3	19.13	109.3	22.30	118.7	25.11	122.3	25.72	127.1	26.40	130.6	26.90
		505.0	92.6	15.68	100.3	18.73	109.3	21.85	118.7	24.62	122.3	25.24	127.1	25.88	130.6	26.28
		606.0	92.6	15.46	100.3	18.53	109.3	21.63	118.7	24.37	122.3	24.99	127.1	25.61	130.6	25.97
	40	161.6	84.0	19.27	91.0	22.38	99.1	26.10	107.8	29.36	111.0	30.06	115.3	30.79	118.5	31.36
		202.0	84.0	18.89	91.0	22.02	99.1	25.67	107.8	28.89	111.0	29.58	115.3	30.31	118.5	30.87
		404.0	84.0	17.38	91.0	20.60	99.1	24.00	107.8	27.02	111.0	27.67	115.3	28.40	118.5	28.96
		505.0	84.0	16.89	91.0	20.15	99.1	23.52	107.8	26.49	111.0	27.18	115.3	27.87	118.5	28.28
		606.0	84.0	16.65	91.0	19.93	99.1	23.27	107.8	26.23	111.0	26.93	115.3	27.60	118.5	27.93
	45	161.6	75.4	20.64	81.7	23.95	88.9	27.96	96.8	31.43	99.7	32.17	103.5	32.98	106.3	33.58
		202.0	75.4	20.23	81.7	23.57	88.9	27.50	96.8	30.92	99.7	31.66	103.5	32.46	106.3	33.07
		404.0	75.4	18.64	81.7	22.06	88.9	25.71	96.8	28.93	99.7	29.63	103.5	30.40	106.3	31.03
		505.0	75.4	18.11	81.7	21.58	88.9	25.18	96.8	28.36	99.7	29.12	103.5	29.86	106.3	30.28
		606.0	75.4	17.84	81.7	21.33	88.9	24.91	96.8	28.08	99.7	28.86	103.5	29.59	106.3	29.90
110	10	161.6	97.6	6.87	105.7	7.96	115.1	9.31	125.1	10.46	128.7	10.70	133.8	11.00	137.5	11.19
		202.0	97.6	6.73	105.7	7.83	115.1	9.16	125.1	10.29	128.7	10.54	133.8	10.83	137.5	11.01
		404.0	97.6	6.18	105.7	7.33	115.1	8.54	125.1	9.62	128.7	9.90	133.8	10.14	137.5	10.31
		505.0	97.6	6.02	105.7	7.17	115.1	8.34	125.1	9.47	128.7	9.64	133.8	9.94	137.5	10.05
		606.0	97.6	5.94	105.7	7.09	115.1	8.24	125.1	9.40	128.7	9.51	133.8	9.84	137.5	9.93
	15	161.6	97.0	9.20	105.1	10.69	114.4	12.47	124.4	14.04	128.0	14.37	133.0	14.73	136.7	14.99
		202.0	97.0	9.02	105.1	10.52	114.4	12.26	124.4	13.81	128.0	14.14	133.0	14.50	136.7	14.75
		404.0	97.0	8.29	105.1	9.84	114.4	11.46	124.4	12.91	128.0	13.24	133.0	13.57	136.7	13.82
		505.0	97.0	8.08	105.1	9.63	114.4	11.21	124.4	12.67	128.0	12.96	133.0	13.32	136.7	13.48
		606.0	97.0	7.97	105.1	9.53	114.4	11.09	124.4	12.55	128.0	12.83	133.0	13.20	136.7	13.31
	20	161.6	96.5	11.28	104.5	13.13	113.8	15.27	123.7	17.22	127.4	17.62	132.3	18.04	136.1	18.36
		202.0	96.5	11.05	104.5	12.91	113.8	15.03	123.7	16.94	127.4	17.34	132.3	17.76	136.1	18.08
		404.0	96.5	10.16	104.5	12.07	113.8	14.06	123.7	15.84	127.4	16.21	132.3	16.62	136.1	16.94
		505.0	96.5	9.91	104.5	11.82	113.8	13.77	123.7	15.52	127.4	15.92	132.3	16.33	136.1	16.53
		606.0	96.5	9.78	104.5	11.70	113.8	13.62	123.7	15.36	127.4	15.77	132.3	16.18	136.1	16.33
	25	161.6	96.5	13.80	104.5	16.06	113.8	18.70	123.7	21.06	127.4	21.55	132.3	22.08	136.1	22.49
		202.0	96.5	13.53	104.5	15.80	113.8	18.40	123.7	20.72	127.4	21.21	132.3	21.74	136.1	22.14
		404.0	96.5	12.47	104.5	14.78	113.8	17.22	123.7	19.38	127.4	19.86	132.3	20.36	136.1	20.75
		505.0	96.5	12.11	104.5	14.46	113.8	16.86	123.7	19.01	127.4	19.46	132.3	19.99	136.1	20.23
		606.0	96.5	11.93	104.5	14.30	113.8	16.68	123.7	18.82	127.4	19.26	132.3	19.80	136.1	19.96
	30	161.6	96.5	16.83	104.5	19.57	113.8	22.80	123.7	25.68	127.4	26.30	132.3	26.91	136.1	27.41
		202.0	96.5	16.50	104.5	19.26	113.8	22.43	123.7	25.27	127.4	25.88	132.3	26.49	136.1	26.98
		404.0	96.5	15.19	104.5	18.00	113.8	20.96	123.7	23.61	127.4	24.21	132.3	24.82	136.1	25.27
		505.0	96.5	14.78	104.5	17.63	113.8	20.56	123.7	23.16	127.4	23.73	132.3	24.34	136.1	24.66
		606.0	96.5	14.58	104.5	17.44	113.8	20.35	123.7	22.93	127.4	23.49	132.3	24.10	136.1	24.35
	35	161.6	89.9	17.53	97.4	20.36	106.1	23.70	115.3	26.71	118.7	27.33	123.4	27.99	126.8	28.51
		202.0	89.9	17.18	97.4	20.03	106.1	23.32	115.3	26.28	118.7	26.89	123.4	27.55	126.8	28.07
		404.0	89.9	15.80	97.4	18.72	106.1	21.82	115.3	24.57	118.7	25.15	123.4	25.80	126.8	26.29
		505.0	89.9	15.36	97.4	18.32	106.1	21.36	115.3	24.08	118.7	24.70	123.4	25.31	126.8	25.64
		606.0	89.9	15.13	97.4	18.12	106.1	21.14	115.3	23.84	118.7	24.47	123.4	25.06	126.8	25.31
	40	161.6	83.3	19.24	90.3	22.38	98.2	26.05	106.8	29.32	110.0	30.02	114.3	30.75	117.5	31.32
		202.0	83.3	18.86	90.3	22.01	98.2	25.63	106.8	28.85	110.0	29.54	114.3	30.27	117.5	30.83
		404.0	83.3	17.35	90.3	20.56	98.2	23.97	106.8	26.98	110.0	27.63	114.3	28.36	117.5	28.88
		505.0	83.3	16.86	90.3	20.12	98.2	23.48	106.8	26.45	110.0	27.13	114.3	27.82	117.5	28.15
		606.0	83.3	16.61	90.3	19.89	98.2	23.23	106.8	26.18	110.0	26.88	114.3	27.56	117.5	27.79
	45	161.6	76.7	20.95	83.1	24.40	90.4	28.40	98.4	31.92	101.3	32.71	105.2	33.51	108.1	34.13
		202.0	76.7	20.53	83.1	24.00	90.4	27.94	98.4	31.41	101.3	32.19	105.2	32.99	108.1	33.59
		404.0	76.7	18.89	83.1	22.40	90.4	26.12	98.4	29.39	101.3	30.11	105.2	30.92	108.1	31.48
		505.0	76.7	18.36	83.1	21.91	90.4	25.59	98.4	28.81	101.3	29.57	105.2	30.34	108.1	30.67
		606.0	76.7	18.09	83.1	21.67	90.4	25.33	98.4	28.52	101.3	29.30	105.2	30.05	108.1	30.26
100	10	161.6	91.7	6.50	99.3	7.55	108.2	8.71	117.6	9.89	121.1	10.05	125.8	10.37	129.4	10.55
		202.0	91.7	6.37	99.3	7.42	108.2	8.57	117.6	9.73	121.1	9.90	125.8	10.20	129.4	10.38
		404.0	91.7	5.86	99.3	6.92	108.2	8.04	117.6	9.10	121.1	9.29	125.8	9.53	129.4	9.72
		505.0	91.7	5.66	99.3	6.76	108.2	7.87	117.6	8.90	121.1	9.11	125.8	9.33	129.4	9.42
		606.0	91.7	5.56	99.3	6.68	108.2	7.78	117.6	8.80	121.1	9.02	125.8	9.24	129.4	9.27
	15	161.6	91.7	8.79	99.3	10.20	108.2	11.85	117.6	13.38	121.1	13.67	125.8	14.04	129.4	14.28
		202.0	91.7	8.61	99.3	10.03	108.2	11.67	117.6	13.16	121.1	13.45	125.8	13.81	129.4	14.05
		404.0	91.7	7.92	99.3	9.38	108.2	10.92	117.6	12.31	121.1	12.59	125.8	12.91	129.4	13.15
		505.0	91.7	7.68	99.3	9.18	108.2	10.69	117.6	12.06	121.1	12.35	125.8	12.67	129.4	12.80
		606.0	91.7	7.56	99.3	9.08	108.2	10.57	117.6	11.94	121.1	12.23	125.8	12.55	129.4	12.62

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	161.6	91.7	10.82	99.3	12.55	108.2	14.65	117.6	16.47	121.1	16.88	125.8	17.29	129.4	17.59
		202.0	91.7	10.60	99.3	12.35	108.2	14.42	117.6	16.21	121.1	16.61	125.8	17.02	129.4	17.31
		404.0	91.7	9.75	99.3	11.57	108.2	13.48	117.6	15.16	121.1	15.52	125.8	15.93	129.4	16.21
		505.0	91.7	9.47	99.3	11.33	108.2	13.20	117.6	14.87	121.1	15.23	125.8	15.64	129.4	15.80
		606.0	91.7	9.33	99.3	11.21	108.2	13.06	117.6	14.72	121.1	15.09	125.8	15.50	129.4	15.60
	25	161.6	91.7	13.18	99.3	15.32	108.2	17.85	117.6	20.11	121.1	20.60	125.8	21.10	129.4	21.46
		202.0	91.7	12.92	99.3	15.07	108.2	17.56	117.6	19.78	121.1	20.26	125.8	20.76	129.4	21.12
		404.0	91.7	11.90	99.3	14.09	108.2	16.41	117.6	18.48	121.1	18.94	125.8	19.42	129.4	19.78
		505.0	91.7	11.57	99.3	13.81	108.2	16.09	117.6	18.12	121.1	18.57	125.8	19.05	129.4	19.26
		606.0	91.7	11.41	99.3	13.67	108.2	15.92	117.6	17.94	121.1	18.39	125.8	18.87	129.4	18.99
	30	161.6	91.7	16.21	99.3	18.87	108.2	21.97	117.6	24.73	121.1	25.32	125.8	25.92	129.4	26.41
		202.0	91.7	15.89	99.3	18.56	108.2	21.61	117.6	24.33	121.1	24.91	125.8	25.51	129.4	25.99
		404.0	91.7	14.63	99.3	17.35	108.2	20.19	117.6	22.75	121.1	23.28	125.8	23.89	129.4	24.33
		505.0	91.7	14.22	99.3	16.98	108.2	19.78	117.6	22.31	121.1	22.87	125.8	23.44	129.4	23.68
		606.0	91.7	14.01	99.3	16.80	108.2	19.58	117.6	22.08	121.1	22.66	125.8	23.22	129.4	23.36
	35	161.6	87.2	17.12	94.4	19.90	102.8	23.16	111.7	26.09	115.0	26.72	119.6	27.37	122.9	27.87
		202.0	87.2	16.78	94.4	19.58	102.8	22.79	111.7	25.67	115.0	26.29	119.6	26.94	122.9	27.42
		404.0	87.2	15.44	94.4	18.32	102.8	21.33	111.7	24.01	115.0	24.58	119.6	25.22	122.9	25.67
		505.0	87.2	15.03	94.4	17.92	102.8	20.88	111.7	23.56	115.0	24.13	119.6	24.74	122.9	24.99
		606.0	87.2	14.82	94.4	17.71	102.8	20.66	111.7	23.33	115.0	23.90	119.6	24.50	122.9	24.64
	40	161.6	82.5	19.23	89.4	22.34	97.4	26.02	105.8	29.28	109.0	29.98	113.3	30.72	116.4	31.25
		202.0	82.5	18.84	89.4	21.98	97.4	25.59	105.8	28.81	109.0	29.49	113.3	30.22	116.4	30.76
		404.0	82.5	17.31	89.4	20.55	97.4	23.92	105.8	26.94	109.0	27.58	113.3	28.28	116.4	28.80
		505.0	82.5	16.85	89.4	20.10	97.4	23.44	105.8	26.41	109.0	27.06	113.3	27.75	116.4	28.04
		606.0	82.5	16.62	89.4	19.88	97.4	23.19	105.8	26.15	109.0	26.80	113.3	27.49	116.4	27.65
	45	161.6	77.9	21.34	84.4	24.78	91.9	28.87	99.9	32.47	103.0	33.24	107.0	34.06	109.9	34.63
		202.0	77.9	20.91	84.4	24.38	91.9	28.39	99.9	31.94	103.0	32.70	107.0	33.51	109.9	34.09
		404.0	77.9	19.18	84.4	22.78	91.9	26.52	99.9	29.86	103.0	30.59	107.0	31.33	109.9	31.93
		505.0	77.9	18.67	84.4	22.29	91.9	25.99	99.9	29.26	103.0	29.99	107.0	30.76	109.9	31.08
		606.0	77.9	18.42	84.4	22.05	91.9	25.72	99.9	28.96	103.0	29.69	107.0	30.48	109.9	30.66
90	10	161.6	82.5	5.54	89.4	6.43	97.4	7.51	105.8	8.49	109.0	8.65	113.3	8.83	116.4	9.09
		202.0	82.5	5.43	89.4	6.34	97.4	7.39	105.8	8.36	109.0	8.52	113.3	8.71	116.4	8.95
		404.0	82.5	5.03	89.4	5.97	97.4	6.93	105.8	7.84	109.0	8.00	113.3	8.24	116.4	8.36
		505.0	82.5	4.88	89.4	5.78	97.4	6.80	105.8	7.62	109.0	7.85	113.3	8.08	116.4	8.09
		606.0	82.5	4.81	89.4	5.69	97.4	6.73	105.8	7.51	109.0	7.77	113.3	8.01	116.4	7.95
	15	161.6	82.5	7.54	89.4	8.76	97.4	10.20	105.8	11.52	109.0	11.77	113.3	12.05	116.4	12.30
		202.0	82.5	7.39	89.4	8.62	97.4	10.04	105.8	11.33	109.0	11.58	113.3	11.86	116.4	12.10
		404.0	82.5	6.82	89.4	8.08	97.4	9.39	105.8	10.59	109.0	10.84	113.3	11.13	116.4	11.33
		505.0	82.5	6.62	89.4	7.88	97.4	9.22	105.8	10.36	109.0	10.64	113.3	10.92	116.4	11.01
		606.0	82.5	6.52	89.4	7.78	97.4	9.13	105.8	10.24	109.0	10.54	113.3	10.82	116.4	10.85
	20	161.6	82.5	9.32	89.4	10.82	97.4	12.60	105.8	14.20	109.0	14.53	113.3	14.91	116.4	15.15
		202.0	82.5	9.14	89.4	10.65	97.4	12.40	105.8	13.97	109.0	14.30	113.3	14.66	116.4	14.91
		404.0	82.5	8.41	89.4	9.95	97.4	11.58	105.8	13.04	109.0	13.37	113.3	13.69	116.4	13.97
		505.0	82.5	8.17	89.4	9.75	97.4	11.37	105.8	12.80	109.0	13.12	113.3	13.45	116.4	13.61
		606.0	82.5	8.05	89.4	9.65	97.4	11.26	105.8	12.67	109.0	12.99	113.3	13.32	116.4	13.42
	25	161.6	82.5	11.35	89.4	13.21	97.4	15.36	105.8	17.30	109.0	17.71	113.3	18.16	116.4	18.49
		202.0	82.5	11.13	89.4	12.99	97.4	15.12	105.8	17.03	109.0	17.43	113.3	17.87	116.4	18.19
		404.0	82.5	10.24	89.4	12.14	97.4	14.14	105.8	15.93	109.0	16.30	113.3	16.73	116.4	17.02
		505.0	82.5	9.95	89.4	11.86	97.4	13.85	105.8	15.60	109.0	16.01	113.3	16.41	116.4	16.57
		606.0	82.5	9.81	89.4	11.72	97.4	13.71	105.8	15.44	109.0	15.86	113.3	16.25	116.4	16.35
	30	161.6	82.5	13.96	89.4	16.24	97.4	18.91	105.8	21.30	109.0	21.79	113.3	22.34	116.4	22.74
		202.0	82.5	13.69	89.4	15.97	97.4	18.60	105.8	20.96	109.0	21.44	113.3	21.98	116.4	22.38
		404.0	82.5	12.59	89.4	14.91	97.4	17.39	105.8	19.58	109.0	20.07	113.3	20.56	116.4	20.93
		505.0	82.5	12.24	89.4	14.62	97.4	17.03	105.8	19.21	109.0	19.67	113.3	20.19	116.4	20.39
		606.0	82.5	12.06	89.4	14.47	97.4	16.84	105.8	19.03	109.0	19.46	113.3	20.01	116.4	20.12
	35	161.6	80.3	15.09	86.9	17.51	94.7	20.39	102.9	22.96	106.0	23.50	110.1	24.07	113.2	24.52
		202.0	80.3	14.78	86.9	17.22	94.7	20.07	102.9	22.59	106.0	23.12	110.1	23.69	113.2	24.13
		404.0	80.3	13.57	86.9	16.09	94.7	18.77	102.9	21.12	106.0	21.62	110.1	22.18	113.2	22.59
		505.0	80.3	13.21	86.9	15.76	94.7	18.37	102.9	20.72	106.0	21.24	110.1	21.77	113.2	21.98
		606.0	80.3	13.02	86.9	15.60	94.7	18.17	102.9	20.51	106.0	21.05	110.1	21.57	113.2	21.68
	40	161.6	78.0	17.32	84.5	20.11	92.0	23.41	99.9	26.39	103.0	27.00	106.9	27.66	110.0	28.15
		202.0	78.0	16.97	84.5	19.78	92.0	23.04	99.9	25.96	103.0	26.57	106.9	27.22	110.0	27.71
		404.0	78.0	15.60	84.5	18.49	92.0	21.57	99.9	24.26	103.0	24.86	106.9	25.48	110.0	25.96
		505.0	78.0	15.16	84.5	18.11	92.0	21.12	99.9	23.80	103.0	24.38	106.9	25.02	110.0	25.27
		606.0	78.0	14.94	84.5	17.92	92.0	20.90	99.9	23.57	103.0	24.13	106.9	24.79	110.0	24.92

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	161.6	75.7	19.56	82.0	22.71	89.3	26.43	97.0	29.82	100.0	30.51	103.8	31.25	106.8	31.78
		202.0	75.7	19.17	82.0	22.34	89.3	26.02	97.0	29.33	100.0	30.02	103.8	30.75	106.8	31.29
		404.0	75.7	17.64	82.0	20.89	89.3	24.37	97.0	27.39	100.0	28.09	103.8	28.77	106.8	29.33
		505.0	75.7	17.11	82.0	20.46	89.3	23.88	97.0	26.88	100.0	27.51	103.8	28.26	106.8	28.55
		606.0	75.7	16.85	82.0	20.24	89.3	23.63	97.0	26.63	100.0	27.22	103.8	28.01	106.8	28.16
80	10	161.6	73.4	4.71	79.5	5.39	86.6	6.27	94.1	7.15	96.9	7.26	100.7	7.47	103.5	7.55
		202.0	73.4	4.60	79.5	5.32	86.6	6.18	94.1	7.02	96.9	7.15	100.7	7.34	103.5	7.43
		404.0	73.4	4.19	79.5	5.03	86.6	5.82	94.1	6.53	96.9	6.71	100.7	6.84	103.5	6.96
		505.0	73.4	4.14	79.5	4.88	86.6	5.71	94.1	6.42	96.9	6.54	100.7	6.73	103.5	6.80
		606.0	73.4	4.11	79.5	4.81	86.6	5.66	94.1	6.36	96.9	6.45	100.7	6.68	103.5	6.71
	15	161.6	73.4	6.34	79.5	7.35	86.6	8.55	94.1	9.66	96.9	9.87	100.7	10.12	103.5	10.28
		202.0	73.4	6.21	79.5	7.23	86.6	8.41	94.1	9.50	96.9	9.71	100.7	9.95	103.5	10.12
		404.0	73.4	5.69	79.5	6.78	86.6	7.88	94.1	8.86	96.9	9.09	100.7	9.30	103.5	9.47
		505.0	73.4	5.56	79.5	6.62	86.6	7.72	94.1	8.70	96.9	8.90	100.7	9.14	103.5	9.22
		606.0	73.4	5.50	79.5	6.54	86.6	7.64	94.1	8.62	96.9	8.81	100.7	9.06	103.5	9.10
	20	161.6	73.4	7.80	79.5	9.08	86.6	10.57	94.1	11.90	96.9	12.18	100.7	12.47	103.5	12.72
		202.0	73.4	7.64	79.5	8.93	86.6	10.40	94.1	11.70	96.9	11.99	100.7	12.27	103.5	12.51
		404.0	73.4	7.03	79.5	8.33	86.6	9.71	94.1	10.93	96.9	11.21	100.7	11.50	103.5	11.70
		505.0	73.4	6.83	79.5	8.17	86.6	9.51	94.1	10.73	96.9	11.00	100.7	11.29	103.5	11.38
		606.0	73.4	6.73	79.5	8.08	86.6	9.41	94.1	10.62	96.9	10.90	100.7	11.18	103.5	11.22
	25	161.6	73.4	9.53	79.5	11.07	86.6	12.88	94.1	14.49	96.9	14.86	100.7	15.23	103.5	15.49
		202.0	73.4	9.34	79.5	10.89	86.6	12.67	94.1	14.26	96.9	14.62	100.7	14.98	103.5	15.24
		404.0	73.4	8.58	79.5	10.16	86.6	11.86	94.1	13.36	96.9	13.66	100.7	14.01	103.5	14.26
		505.0	73.4	8.33	79.5	9.95	86.6	11.62	94.1	13.08	96.9	13.41	100.7	13.77	103.5	13.89
		606.0	73.4	8.21	79.5	9.85	86.6	11.49	94.1	12.94	96.9	13.28	100.7	13.64	103.5	13.70
	30	161.6	73.4	11.69	79.5	13.59	86.6	15.85	94.1	17.84	96.9	18.25	100.7	18.70	103.5	19.07
		202.0	73.4	11.46	79.5	13.37	86.6	15.60	94.1	17.55	96.9	17.96	100.7	18.40	103.5	18.76
		404.0	73.4	10.56	79.5	12.51	86.6	14.58	94.1	16.41	96.9	16.81	100.7	17.23	103.5	17.55
		505.0	73.4	10.27	79.5	12.24	86.6	14.26	94.1	16.09	96.9	16.49	100.7	16.90	103.5	17.10
		606.0	73.4	10.13	79.5	12.10	86.6	14.10	94.1	15.93	96.9	16.33	100.7	16.74	103.5	16.87
	35	161.6	73.4	13.01	79.5	15.11	86.6	17.59	94.1	19.82	96.9	20.32	100.7	20.81	103.5	21.18
		202.0	73.4	12.75	79.5	14.87	86.6	17.31	94.1	19.51	96.9	19.99	100.7	20.48	103.5	20.84
		404.0	73.4	11.74	79.5	13.90	86.6	16.21	94.1	18.24	96.9	18.68	100.7	19.14	103.5	19.50
		505.0	73.4	11.41	79.5	13.61	86.6	15.88	94.1	17.88	96.9	18.32	100.7	18.81	103.5	18.97
		606.0	73.4	11.25	79.5	13.46	86.6	15.72	94.1	17.70	96.9	18.14	100.7	18.64	103.5	18.71
	40	161.6	73.4	15.42	79.5	17.92	86.6	20.86	94.1	23.49	96.9	24.04	100.7	24.64	103.5	25.06
		202.0	73.4	15.11	79.5	17.62	86.6	20.52	94.1	23.11	96.9	23.65	100.7	24.24	103.5	24.66
		404.0	73.4	13.89	79.5	16.46	86.6	19.18	94.1	21.61	96.9	22.10	100.7	22.67	103.5	23.08
		505.0	73.4	13.49	79.5	16.12	86.6	18.78	94.1	21.17	96.9	21.69	100.7	22.26	103.5	22.47
		606.0	73.4	13.29	79.5	15.95	86.6	18.57	94.1	20.94	96.9	21.49	100.7	22.06	103.5	22.17
	45	161.6	73.4	17.82	79.5	20.72	86.6	24.13	94.1	27.16	96.9	27.76	100.7	28.47	103.5	28.94
		202.0	73.4	17.46	79.5	20.38	86.6	23.73	94.1	26.72	96.9	27.31	100.7	28.01	103.5	28.48
		404.0	73.4	16.04	79.5	19.02	86.6	22.14	94.1	24.98	96.9	25.52	100.7	26.20	103.5	26.66
		505.0	73.4	15.57	79.5	18.64	86.6	21.67	94.1	24.46	96.9	25.06	100.7	25.72	103.5	25.97
		606.0	73.4	15.33	79.5	18.45	86.6	21.43	94.1	24.19	96.9	24.83	100.7	25.48	103.5	25.63
70	10	161.6	64.2	3.86	69.5	4.50	75.8	5.21	82.3	5.87	84.7	6.07	88.1	6.22	90.5	6.27
		202.0	64.2	3.79	69.5	4.42	75.8	5.13	82.3	5.79	84.7	5.97	88.1	6.13	90.5	6.18
		404.0	64.2	3.51	69.5	4.12	75.8	4.80	82.3	5.46	84.7	5.59	88.1	5.74	90.5	5.82
		505.0	64.2	3.43	69.5	4.03	75.8	4.73	82.3	5.32	84.7	5.44	88.1	5.59	90.5	5.67
		606.0	64.2	3.38	69.5	3.98	75.8	4.69	82.3	5.25	84.7	5.37	88.1	5.51	90.5	5.59
	15	161.6	64.2	5.26	69.5	6.12	75.8	7.11	82.3	8.01	84.7	8.21	88.1	8.42	90.5	8.55
		202.0	64.2	5.16	69.5	6.02	75.8	6.99	82.3	7.88	84.7	8.08	88.1	8.28	90.5	8.41
		404.0	64.2	4.75	69.5	5.61	75.8	6.54	82.3	7.39	84.7	7.55	88.1	7.76	90.5	7.88
		505.0	64.2	4.62	69.5	5.49	75.8	6.42	82.3	7.23	84.7	7.40	88.1	7.60	90.5	7.68
		606.0	64.2	4.56	69.5	5.43	75.8	6.35	82.3	7.16	84.7	7.32	88.1	7.52	90.5	7.58
	20	161.6	64.2	6.51	69.5	7.55	75.8	8.79	82.3	9.90	84.7	10.12	88.1	10.36	90.5	10.57
		202.0	64.2	6.37	69.5	7.43	75.8	8.65	82.3	9.74	84.7	9.95	88.1	10.20	90.5	10.40
		404.0	64.2	5.85	69.5	6.94	75.8	8.09	82.3	9.10	84.7	9.30	88.1	9.55	90.5	9.71
		505.0	64.2	5.69	69.5	6.79	75.8	7.92	82.3	8.93	84.7	9.14	88.1	9.38	90.5	9.46
		606.0	64.2	5.61	69.5	6.71	75.8	7.83	82.3	8.85	84.7	9.06	88.1	9.30	90.5	9.34
	25	161.6	64.2	7.91	69.5	9.21	75.8	10.70	82.3	12.06	84.7	12.35	88.1	12.64	90.5	12.88
		202.0	64.2	7.76	69.5	9.06	75.8	10.53	82.3	11.86	84.7	12.15	88.1	12.44	90.5	12.67
		404.0	64.2	7.15	69.5	8.45	75.8	9.87	82.3	11.09	84.7	11.37	88.1	11.66	90.5	11.86
		505.0	64.2	6.94	69.5	8.28	75.8	9.66	82.3	10.89	84.7	11.13	88.1	11.42	90.5	11.54
		606.0	64.2	6.84	69.5	8.20	75.8	9.56	82.3	10.78	84.7	11.02	88.1	11.30	90.5	11.38

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	161.6	64.2	9.74	69.5	11.31	75.8	13.17	82.3	14.83	84.7	15.19	88.1	15.56	90.5	15.85
		202.0	64.2	9.54	69.5	11.13	75.8	12.96	82.3	14.59	84.7	14.95	88.1	15.31	90.5	15.60
		404.0	64.2	8.77	69.5	10.40	75.8	12.11	82.3	13.65	84.7	13.98	88.1	14.34	90.5	14.58
		505.0	64.2	8.53	69.5	10.19	75.8	11.86	82.3	13.37	84.7	13.72	88.1	14.06	90.5	14.22
		606.0	64.2	8.41	69.5	10.09	75.8	11.74	82.3	13.23	84.7	13.59	88.1	13.92	90.5	14.04
	35	161.6	64.2	10.82	69.5	12.55	75.8	14.66	82.3	16.47	84.7	16.88	88.1	17.29	90.5	17.59
		202.0	64.2	10.60	69.5	12.35	75.8	14.42	82.3	16.21	84.7	16.61	88.1	17.02	90.5	17.31
		404.0	64.2	9.75	69.5	11.57	75.8	13.45	82.3	15.16	84.7	15.52	88.1	15.93	90.5	16.21
		505.0	64.2	9.47	69.5	11.30	75.8	13.20	82.3	14.87	84.7	15.23	88.1	15.63	90.5	15.80
		606.0	64.2	9.33	69.5	11.17	75.8	13.07	82.3	14.72	84.7	15.09	88.1	15.49	90.5	15.60
	40	161.6	64.2	12.81	69.5	14.86	75.8	17.34	82.3	19.53	84.7	19.99	88.1	20.47	90.5	20.84
		202.0	64.2	12.56	69.5	14.63	75.8	17.06	82.3	19.21	84.7	19.67	88.1	20.15	90.5	20.51
		404.0	64.2	11.54	69.5	13.69	75.8	15.96	82.3	17.96	84.7	18.40	88.1	18.85	90.5	19.21
		505.0	64.2	11.21	69.5	13.40	75.8	15.60	82.3	17.59	84.7	18.04	88.1	18.52	90.5	18.69
		606.0	64.2	11.05	69.5	13.26	75.8	15.42	82.3	17.41	84.7	17.86	88.1	18.36	90.5	18.42
	45	161.6	64.2	14.81	69.5	17.18	75.8	20.02	82.3	22.59	84.7	23.09	88.1	23.65	90.5	24.09
		202.0	64.2	14.51	69.5	16.90	75.8	19.71	82.3	22.22	84.7	22.72	88.1	23.27	90.5	23.71
		404.0	64.2	13.34	69.5	15.82	75.8	18.47	82.3	20.76	84.7	21.27	88.1	21.77	90.5	22.22
		505.0	64.2	12.96	69.5	15.50	75.8	18.01	82.3	20.32	84.7	20.85	88.1	21.41	90.5	21.58
		606.0	64.2	12.77	69.5	15.34	75.8	17.78	82.3	20.10	84.7	20.63	88.1	21.23	90.5	21.25
60	10	161.6	55.1	3.07	59.6	3.57	64.9	4.13	70.5	4.72	72.7	4.85	75.5	4.92	77.6	5.01
		202.0	55.1	3.01	59.6	3.51	64.9	4.08	70.5	4.64	72.7	4.76	75.5	4.85	77.6	4.94
		404.0	55.1	2.78	59.6	3.28	64.9	3.87	70.5	4.33	72.7	4.42	75.5	4.57	77.6	4.64
		505.0	55.1	2.67	59.6	3.25	64.9	3.79	70.5	4.26	72.7	4.35	75.5	4.45	77.6	4.53
		606.0	55.1	2.61	59.6	3.23	64.9	3.75	70.5	4.22	72.7	4.31	75.5	4.39	77.6	4.48
	15	161.6	55.1	4.19	59.6	4.87	64.9	5.66	70.5	6.40	72.7	6.56	75.5	6.69	77.6	6.81
		202.0	55.1	4.11	59.6	4.79	64.9	5.57	70.5	6.29	72.7	6.45	75.5	6.58	77.6	6.71
		404.0	55.1	3.78	59.6	4.47	64.9	5.24	70.5	5.88	72.7	6.02	75.5	6.18	77.6	6.29
		505.0	55.1	3.66	59.6	4.39	64.9	5.12	70.5	5.77	72.7	5.90	75.5	6.05	77.6	6.13
		606.0	55.1	3.60	59.6	4.35	64.9	5.06	70.5	5.71	72.7	5.84	75.5	5.99	77.6	6.05
	20	161.6	55.1	5.18	59.6	6.03	64.9	7.01	70.5	7.88	72.7	8.09	75.5	8.26	77.6	8.42
		202.0	55.1	5.07	59.6	5.93	64.9	6.90	70.5	7.76	72.7	7.96	75.5	8.13	77.6	8.28
		404.0	55.1	4.67	59.6	5.53	64.9	6.45	70.5	7.27	72.7	7.43	75.5	7.61	77.6	7.76
		505.0	55.1	4.54	59.6	5.40	64.9	6.30	70.5	7.11	72.7	7.28	75.5	7.47	77.6	7.55
		606.0	55.1	4.48	59.6	5.34	64.9	6.22	70.5	7.03	72.7	7.20	75.5	7.41	77.6	7.45
	25	161.6	55.1	6.30	59.6	7.35	64.9	8.55	70.5	9.62	72.7	9.83	75.5	10.07	77.6	10.28
		202.0	55.1	6.18	59.6	7.23	64.9	8.41	70.5	9.46	72.7	9.68	75.5	9.92	77.6	10.11
		404.0	55.1	5.69	59.6	6.74	64.9	7.85	70.5	8.85	72.7	9.06	75.5	9.30	77.6	9.46
		505.0	55.1	5.53	59.6	6.58	64.9	7.69	70.5	8.66	72.7	8.90	75.5	9.11	77.6	9.22
		606.0	55.1	5.45	59.6	6.50	64.9	7.60	70.5	8.56	72.7	8.82	75.5	9.01	77.6	9.09
	30	161.6	55.1	7.75	59.6	9.00	64.9	10.49	70.5	11.81	72.7	12.10	75.5	12.39	77.6	12.64
		202.0	55.1	7.60	59.6	8.86	64.9	10.33	70.5	11.62	72.7	11.91	75.5	12.19	77.6	12.43
		404.0	55.1	6.99	59.6	8.29	64.9	9.67	70.5	10.89	72.7	11.13	75.5	11.42	77.6	11.62
		505.0	55.1	6.79	59.6	8.12	64.9	9.46	70.5	10.68	72.7	10.93	75.5	11.21	77.6	11.33
		606.0	55.1	6.69	59.6	8.04	64.9	9.36	70.5	10.58	72.7	10.83	75.5	11.11	77.6	11.18
	35	161.6	55.1	8.62	59.6	10.03	64.9	11.69	70.5	13.13	72.7	13.46	75.5	13.79	77.6	14.04
		202.0	55.1	8.45	59.6	9.87	64.9	11.49	70.5	12.92	72.7	13.24	75.5	13.57	77.6	13.81
		404.0	55.1	7.77	59.6	9.22	64.9	10.73	70.5	12.10	72.7	12.39	75.5	12.68	77.6	12.92
		505.0	55.1	7.55	59.6	9.02	64.9	10.52	70.5	11.86	72.7	12.15	75.5	12.47	77.6	12.59
		606.0	55.1	7.45	59.6	8.92	64.9	10.42	70.5	11.73	72.7	12.03	75.5	12.36	77.6	12.43
	40	161.6	55.1	10.19	59.6	11.85	64.9	13.83	70.5	15.57	72.7	15.93	75.5	16.31	77.6	16.64
		202.0	55.1	10.00	59.6	11.67	64.9	13.61	70.5	15.31	72.7	15.68	75.5	16.05	77.6	16.37
		404.0	55.1	9.22	59.6	10.92	64.9	12.72	70.5	14.31	72.7	14.66	75.5	15.03	77.6	15.31
		505.0	55.1	8.94	59.6	10.68	64.9	12.47	70.5	14.02	72.7	14.38	75.5	14.75	77.6	14.90
		606.0	55.1	8.80	59.6	10.56	64.9	12.34	70.5	13.88	72.7	14.24	75.5	14.61	77.6	14.70
	45	161.6	55.1	11.76	59.6	13.68	64.9	15.98	70.5	18.01	72.7	18.41	75.5	18.82	77.6	19.24
		202.0	55.1	11.54	59.6	13.47	64.9	15.72	70.5	17.70	72.7	18.11	75.5	18.53	77.6	18.93
		404.0	55.1	10.67	59.6	12.63	64.9	14.71	70.5	16.51	72.7	16.94	75.5	17.38	77.6	17.70
		505.0	55.1	10.33	59.6	12.34	64.9	14.42	70.5	16.19	72.7	16.61	75.5	17.03	77.6	17.22
		606.0	55.1	10.15	59.6	12.20	64.9	14.27	70.5	16.03	72.7	16.45	75.5	16.86	77.6	16.97
50	10	161.6	45.9	2.29	49.7	2.65	54.1	3.17	58.8	3.48	60.6	3.57	62.9	3.69	64.6	3.74
		202.0	45.9	2.24	49.7	2.61	54.1	3.11	58.8	3.44	60.6	3.53	62.9	3.63	64.6	3.68
		404.0	45.9	2.04	49.7	2.46	54.1	2.89	58.8	3.25	60.6	3.36	62.9	3.36	64.6	3.44
		505.0	45.9	2.00	49.7	2.46	54.1	2.82	58.8	3.16	60.6	3.21	62.9	3.32	64.6	3.34
		606.0	45.9	1.97	49.7	2.46	54.1	2.78	58.8	3.12	60.6	3.13	62.9	3.30	64.6	3.28

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	161.6	45.9	3.12	49.7	3.63	54.1	4.25	58.8	4.75	60.6	4.87	62.9	5.00	64.6	5.09
		202.0	45.9	3.06	49.7	3.57	54.1	4.18	58.8	4.67	60.6	4.80	62.9	4.91	64.6	5.00
		404.0	45.9	2.81	49.7	3.33	54.1	3.90	58.8	4.39	60.6	4.51	62.9	4.59	64.6	4.67
		505.0	45.9	2.73	49.7	3.29	54.1	3.82	58.8	4.30	60.6	4.39	62.9	4.51	64.6	4.56
		606.0	45.9	2.69	49.7	3.27	54.1	3.78	58.8	4.26	60.6	4.33	62.9	4.47	64.6	4.50
	20	161.6	45.9	3.85	49.7	4.51	54.1	5.21	58.8	5.87	60.6	6.03	62.9	6.15	64.6	6.28
		202.0	45.9	3.78	49.7	4.43	54.1	5.13	58.8	5.78	60.6	5.93	62.9	6.06	64.6	6.18
		404.0	45.9	3.49	49.7	4.11	54.1	4.80	58.8	5.40	60.6	5.53	62.9	5.69	64.6	5.78
		505.0	45.9	3.38	49.7	4.03	54.1	4.71	58.8	5.32	60.6	5.44	62.9	5.57	64.6	5.64
		606.0	45.9	3.32	49.7	3.98	54.1	4.67	58.8	5.27	60.6	5.40	62.9	5.51	64.6	5.58
	25	161.6	45.9	4.69	49.7	5.45	54.1	6.36	58.8	7.19	60.6	7.35	62.9	7.52	64.6	7.63
		202.0	45.9	4.59	49.7	5.37	54.1	6.26	58.8	7.07	60.6	7.23	62.9	7.39	64.6	7.52
		404.0	45.9	4.23	49.7	5.03	54.1	5.86	58.8	6.58	60.6	6.74	62.9	6.91	64.6	7.07
		505.0	45.9	4.11	49.7	4.91	54.1	5.73	58.8	6.46	60.6	6.62	62.9	6.79	64.6	6.87
		606.0	45.9	4.04	49.7	4.86	54.1	5.67	58.8	6.40	60.6	6.56	62.9	6.73	64.6	6.77
	30	161.6	45.9	5.80	49.7	6.73	54.1	7.85	58.8	8.84	60.6	9.05	62.9	9.24	64.6	9.41
		202.0	45.9	5.68	49.7	6.62	54.1	7.71	58.8	8.69	60.6	8.90	62.9	9.10	64.6	9.26
		404.0	45.9	5.21	49.7	6.18	54.1	7.20	58.8	8.12	60.6	8.29	62.9	8.53	64.6	8.66
		505.0	45.9	5.07	49.7	6.05	54.1	7.07	58.8	7.96	60.6	8.16	62.9	8.36	64.6	8.45
		606.0	45.9	5.01	49.7	5.99	54.1	7.00	58.8	7.88	60.6	8.09	62.9	8.28	64.6	8.35
	35	161.6	45.9	6.43	49.7	7.47	54.1	8.71	58.8	9.79	60.6	10.04	62.9	10.28	64.6	10.45
		202.0	45.9	6.30	49.7	7.35	54.1	8.57	58.8	9.63	60.6	9.87	62.9	10.11	64.6	10.28
		404.0	45.9	5.80	49.7	6.87	54.1	8.01	58.8	9.02	60.6	9.22	62.9	9.46	64.6	9.63
		505.0	45.9	5.64	49.7	6.74	54.1	7.84	58.8	8.85	60.6	9.06	62.9	9.30	64.6	9.38
		606.0	45.9	5.56	49.7	6.67	54.1	7.75	58.8	8.77	60.6	8.97	62.9	9.21	64.6	9.26
	40	161.6	45.9	7.63	49.7	8.84	54.1	10.32	58.8	11.60	60.6	11.89	62.9	12.17	64.6	12.39
		202.0	45.9	7.47	49.7	8.70	54.1	10.15	58.8	11.42	60.6	11.70	62.9	11.98	64.6	12.19
		404.0	45.9	6.86	49.7	8.13	54.1	9.47	58.8	10.68	60.6	10.93	62.9	11.21	64.6	11.41
		505.0	45.9	6.66	49.7	7.96	54.1	9.30	58.8	10.48	60.6	10.73	62.9	11.00	64.6	11.10
		606.0	45.9	6.57	49.7	7.88	54.1	9.21	58.8	10.38	60.6	10.62	62.9	10.90	64.6	10.94
	45	161.6	45.9	8.83	49.7	10.21	54.1	11.93	58.8	13.42	60.6	13.74	62.9	14.07	64.6	14.33
		202.0	45.9	8.65	49.7	10.05	54.1	11.73	58.8	13.21	60.6	13.52	62.9	13.85	64.6	14.10
		404.0	45.9	7.92	49.7	9.39	54.1	10.94	58.8	12.34	60.6	12.64	62.9	12.96	64.6	13.19
		505.0	45.9	7.69	49.7	9.19	54.1	10.76	58.8	12.10	60.6	12.40	62.9	12.71	64.6	12.81
		606.0	45.9	7.57	49.7	9.09	54.1	10.66	58.8	11.98	60.6	12.28	62.9	12.58	64.6	12.62

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(44HP)

ARWN440LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	169.6	114.5	8.11	124.0	9.47	135.0	11.05	146.7	12.40	151.2	12.69	157.1	13.05	161.5	13.27
		212.0	114.5	7.96	124.0	9.31	135.0	10.86	146.7	12.20	151.2	12.49	157.1	12.84	161.5	13.07
		424.0	114.5	7.37	124.0	8.69	135.0	10.13	146.7	11.41	151.2	11.72	157.1	12.01	161.5	12.26
		530.0	114.5	7.14	124.0	8.52	135.0	9.94	146.7	11.16	151.2	11.48	157.1	11.77	161.5	11.96
		636.0	114.5	7.03	124.0	8.43	135.0	9.85	146.7	11.04	151.2	11.35	157.1	11.65	161.5	11.81
	15	169.6	112.7	10.68	122.0	12.43	132.9	14.49	144.4	16.29	148.8	16.68	154.5	17.10	158.9	17.40
		212.0	112.7	10.47	122.0	12.23	132.9	14.25	144.4	16.03	148.8	16.41	154.5	16.83	158.9	17.14
		424.0	112.7	9.65	122.0	11.42	132.9	13.32	144.4	14.99	148.8	15.38	154.5	15.78	158.9	16.10
		530.0	112.7	9.38	122.0	11.19	132.9	13.05	144.4	14.69	148.8	15.08	154.5	15.46	158.9	15.73
		636.0	112.7	9.25	122.0	11.07	132.9	12.92	144.4	14.54	148.8	14.92	154.5	15.30	158.9	15.54
	20	169.6	111.0	12.96	120.2	15.07	131.0	17.55	142.4	19.75	146.6	20.22	152.3	20.70	156.6	21.07
		212.0	111.0	12.70	120.2	14.82	131.0	17.27	142.4	19.43	146.6	19.90	152.3	20.38	156.6	20.75
		424.0	111.0	11.67	120.2	13.85	131.0	16.15	142.4	18.17	146.6	18.62	152.3	19.13	156.6	19.51
		530.0	111.0	11.37	120.2	13.57	131.0	15.81	142.4	17.82	146.6	18.27	152.3	18.74	156.6	19.08
		636.0	111.0	11.22	120.2	13.42	131.0	15.64	142.4	17.65	146.6	18.10	152.3	18.55	156.6	18.86
	25	169.6	111.0	16.00	120.2	18.57	131.0	21.64	142.4	24.38	146.6	24.94	152.3	25.55	156.6	25.98
		212.0	111.0	15.68	120.2	18.27	131.0	21.29	142.4	23.99	146.6	24.54	152.3	25.16	156.6	25.59
		424.0	111.0	14.42	120.2	17.09	131.0	19.90	142.4	22.41	146.6	22.96	152.3	23.59	156.6	24.05
		530.0	111.0	14.00	120.2	16.72	131.0	19.50	142.4	21.97	146.6	22.54	152.3	23.13	156.6	23.52
		636.0	111.0	13.79	120.2	16.53	131.0	19.30	142.4	21.76	146.6	22.33	152.3	22.90	156.6	23.25
	30	169.6	111.0	19.20	120.2	22.29	131.0	25.96	142.4	29.25	146.6	29.94	152.3	30.66	156.6	31.19
		212.0	111.0	18.81	120.2	21.93	131.0	25.54	142.4	28.78	146.6	29.46	152.3	30.18	156.6	30.72
		424.0	111.0	17.28	120.2	20.50	131.0	23.89	142.4	26.88	146.6	27.57	152.3	28.29	156.6	28.86
		530.0	111.0	16.80	120.2	20.07	131.0	23.40	142.4	26.36	146.6	27.05	152.3	27.74	156.6	28.21
		636.0	111.0	16.56	120.2	19.85	131.0	23.15	142.4	26.10	146.6	26.79	152.3	27.46	156.6	27.88
	35	169.6	99.9	19.39	108.2	22.54	117.8	26.27	128.1	29.55	131.9	30.29	137.1	31.00	140.9	31.52
		212.0	99.9	19.01	108.2	22.18	117.8	25.84	128.1	29.08	131.9	29.80	137.1	30.52	140.9	31.05
		424.0	99.9	17.49	108.2	20.73	117.8	24.15	128.1	27.20	131.9	27.87	137.1	28.61	140.9	29.20
		530.0	99.9	17.00	108.2	20.28	117.8	23.65	128.1	26.67	131.9	27.35	137.1	28.05	140.9	28.52
		636.0	99.9	16.76	108.2	20.06	117.8	23.40	128.1	26.40	131.9	27.09	137.1	27.78	140.9	28.19
	40	169.6	88.8	20.48	96.2	23.76	104.7	27.70	113.9	31.19	117.3	31.91	121.8	32.68	125.3	33.28
		212.0	88.8	20.07	96.2	23.38	104.7	27.25	113.9	30.68	117.3	31.41	121.8	32.18	125.3	32.78
		424.0	88.8	18.44	96.2	21.88	104.7	25.49	113.9	28.69	117.3	29.41	121.8	30.18	125.3	30.79
		530.0	88.8	17.92	96.2	21.41	104.7	24.94	113.9	28.12	117.3	28.86	121.8	29.60	125.3	30.10
		636.0	88.8	17.66	96.2	21.17	104.7	24.66	113.9	27.84	117.3	28.58	121.8	29.30	125.3	29.76
	45	169.6	77.6	21.56	84.2	24.99	91.6	29.12	99.6	32.82	102.7	33.53	106.6	34.36	109.6	35.04
		212.0	77.6	21.13	84.2	24.59	91.6	28.66	99.6	32.29	102.7	33.01	106.6	33.83	109.6	34.50
		424.0	77.6	19.39	84.2	23.02	91.6	26.83	99.6	30.18	102.7	30.96	106.6	31.76	109.6	32.38
		530.0	77.6	18.84	84.2	22.53	91.6	26.23	99.6	29.58	102.7	30.37	106.6	31.14	109.6	31.68
		636.0	77.6	18.56	84.2	22.28	91.6	25.93	99.6	29.28	102.7	30.07	106.6	30.83	109.6	31.33
120	10	169.6	108.4	7.72	117.3	8.99	127.8	10.42	138.9	11.77	143.1	12.07	148.7	12.36	152.8	12.56
		212.0	108.4	7.56	117.3	8.85	127.8	10.26	138.9	11.57	143.1	11.87	148.7	12.16	152.8	12.37
		424.0	108.4	6.93	117.3	8.26	127.8	9.64	138.9	10.80	143.1	11.07	148.7	11.36	152.8	11.61
		530.0	108.4	6.74	117.3	8.03	127.8	9.41	138.9	10.58	143.1	10.88	148.7	11.17	152.8	11.35
		636.0	108.4	6.64	117.3	7.91	127.8	9.30	138.9	10.47	143.1	10.79	148.7	11.07	152.8	11.22
	15	169.6	107.1	10.24	116.0	11.90	126.4	13.84	137.3	15.60	141.5	15.97	147.0	16.36	151.1	16.63
		212.0	107.1	10.03	116.0	11.71	126.4	13.62	137.3	15.34	141.5	15.71	147.0	16.10	151.1	16.38
		424.0	107.1	9.21	116.0	10.94	126.4	12.75	137.3	14.34	141.5	14.69	147.0	15.08	151.1	15.38
		530.0	107.1	8.96	116.0	10.69	126.4	12.48	137.3	14.05	141.5	14.42	147.0	14.79	151.1	15.03
		636.0	107.1	8.83	116.0	10.56	126.4	12.35	137.3	13.91	141.5	14.29	147.0	14.64	151.1	14.85
	20	169.6	106.0	12.48	114.8	14.49	125.1	16.87	135.9	19.00	140.0	19.44	145.4	19.91	149.5	20.26
		212.0	106.0	12.23	114.8	14.25	125.1	16.60	135.9	18.69	140.0	19.13	145.4	19.60	149.5	19.95
		424.0	106.0	11.24	114.8	13.32	125.1	15.51	135.9	17.49	140.0	17.91	145.4	18.38	149.5	18.73
		530.0	106.0	10.94	114.8	13.05	125.1	15.21	135.9	17.14	140.0	17.57	145.4	18.01	149.5	18.29
		636.0	106.0	10.79	114.8	12.92	125.1	15.06	135.9	16.96	140.0	17.40	145.4	17.82	149.5	18.08
	25	169.6	106.0	15.33	114.8	17.81	125.1	20.74	135.9	23.34	140.0	23.90	145.4	24.49	149.5	24.92
		212.0	106.0	15.03	114.8	17.52	125.1	20.40	135.9	22.96	140.0	23.52	145.4	24.11	149.5	24.54
		424.0	106.0	13.82	114.8	16.37	125.1	19.08	135.9	21.49	140.0	22.01	145.4	22.58	149.5	23.03
		530.0	106.0	13.43	114.8	16.03	125.1	18.69	135.9	21.06	140.0	21.59	145.4	22.14	149.5	22.48
		636.0	106.0	13.24	114.8	15.86	125.1	18.50	135.9	20.84	140.0	21.38	145.4	21.93	149.5	22.20
	30	169.6	106.0	18.50	114.8	21.54	125.1	25.08	135.9	28.23	140.0	28.90	145.4	29.61	149.5	30.13
		212.0	106.0	18.14	114.8	21.19	125.1	24.67	135.9	27.77	140.0	28.44	145.4	29.15	149.5	29.67
		424.0	106.0	16.70	114.8	19.80	125.1	23.05	135.9	25.98	140.0	26.62	145.4	27.30	149.5	27.84
		530.0	106.0	16.23	114.8	19.38	125.1	22.58	135.9	25.46	140.0	26.11	145.4	26.78	149.5	27.18
		636.0	106.0	16.00	114.8	19.17	125.1	22.34	135.9	25.20	140.0	25.86	145.4	26.52	149.5	26.86

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	169.6	97.0	18.99	105.1	22.07	114.5	25.69	124.4	28.94	128.1	29.64	133.1	30.34	136.9	30.88
		212.0	97.0	18.61	105.1	21.71	114.5	25.28	124.4	28.47	128.1	29.16	133.1	29.86	136.9	30.40
		424.0	97.0	17.10	105.1	20.28	114.5	23.64	124.4	26.62	128.1	27.27	133.1	27.99	136.9	28.52
		530.0	97.0	16.63	105.1	19.86	114.5	23.17	124.4	26.10	128.1	26.76	133.1	27.44	136.9	27.86
		636.0	97.0	16.40	105.1	19.65	114.5	22.93	124.4	25.84	128.1	26.51	133.1	27.16	136.9	27.52
	40	169.6	88.0	20.44	95.3	23.73	103.8	27.67	112.9	31.14	116.3	31.88	120.8	32.65	124.1	33.24
		212.0	88.0	20.03	95.3	23.35	103.8	27.22	112.9	30.63	116.3	31.37	120.8	32.14	124.1	32.73
		424.0	88.0	18.43	95.3	21.84	103.8	25.44	112.9	28.64	116.3	29.34	120.8	30.12	124.1	30.70
		530.0	88.0	17.91	95.3	21.37	103.8	24.93	112.9	28.09	116.3	28.81	120.8	29.55	124.1	29.98
		636.0	88.0	17.65	95.3	21.14	103.8	24.67	112.9	27.81	116.3	28.54	120.8	29.26	124.1	29.62
	45	169.6	79.0	21.89	85.6	25.39	93.2	29.64	101.4	33.33	104.4	34.13	108.5	34.97	111.4	35.61
		212.0	79.0	21.46	85.6	24.99	93.2	29.16	101.4	32.79	104.4	33.58	108.5	34.42	111.4	35.06
		424.0	79.0	19.75	85.6	23.40	93.2	27.25	101.4	30.67	104.4	31.42	108.5	32.24	111.4	32.88
		530.0	79.0	19.18	85.6	22.88	93.2	26.69	101.4	30.08	104.4	30.86	108.5	31.66	111.4	32.11
		636.0	79.0	18.90	85.6	22.62	93.2	26.40	101.4	29.79	104.4	30.58	108.5	31.37	111.4	31.72
110	10	169.6	102.3	7.28	110.8	8.44	120.6	9.86	131.0	11.09	134.9	11.36	140.2	11.64	144.1	11.87
		212.0	102.3	7.13	110.8	8.31	120.6	9.70	131.0	10.91	134.9	11.18	140.2	11.46	144.1	11.68
		424.0	102.3	6.55	110.8	7.78	120.6	9.07	131.0	10.20	134.9	10.50	140.2	10.75	144.1	10.94
		530.0	102.3	6.38	110.8	7.61	120.6	8.86	131.0	10.04	134.9	10.24	140.2	10.54	144.1	10.65
		636.0	102.3	6.29	110.8	7.53	120.6	8.75	131.0	9.96	134.9	10.11	140.2	10.43	144.1	10.51
	15	169.6	101.6	9.76	110.1	11.34	119.9	13.21	130.3	14.88	134.1	15.23	139.4	15.61	143.3	15.89
		212.0	101.6	9.56	110.1	11.16	119.9	13.00	130.3	14.64	134.1	14.99	139.4	15.36	143.3	15.64
		424.0	101.6	8.79	110.1	10.43	119.9	12.16	130.3	13.69	134.1	14.04	139.4	14.39	143.3	14.65
		530.0	101.6	8.56	110.1	10.22	119.9	11.89	130.3	13.43	134.1	13.75	139.4	14.12	143.3	14.29
		636.0	101.6	8.44	110.1	10.11	119.9	11.76	130.3	13.31	134.1	13.61	139.4	13.99	143.3	14.11
	20	169.6	101.1	11.96	109.4	13.91	119.2	16.19	129.6	18.25	133.5	18.68	138.7	19.13	142.6	19.47
		212.0	101.1	11.72	109.4	13.69	119.2	15.93	129.6	17.96	133.5	18.38	138.7	18.83	142.6	19.16
		424.0	101.1	10.78	109.4	12.80	119.2	14.91	129.6	16.79	133.5	17.19	138.7	17.62	142.6	17.96
		530.0	101.1	10.50	109.4	12.53	119.2	14.59	129.6	16.45	133.5	16.87	138.7	17.30	142.6	17.52
		636.0	101.1	10.36	109.4	12.40	119.2	14.43	129.6	16.28	133.5	16.71	138.7	17.15	142.6	17.30
	25	169.6	101.1	14.64	109.4	17.03	119.2	19.83	129.6	22.33	133.5	22.86	138.7	23.42	142.6	23.84
		212.0	101.1	14.35	109.4	16.75	119.2	19.51	129.6	21.97	133.5	22.49	138.7	23.05	142.6	23.47
		424.0	101.1	13.22	109.4	15.66	119.2	18.26	129.6	20.55	133.5	21.06	138.7	21.59	142.6	21.99
		530.0	101.1	12.85	109.4	15.33	119.2	17.87	129.6	20.15	133.5	20.64	138.7	21.19	142.6	21.44
		636.0	101.1	12.66	109.4	15.16	119.2	17.68	129.6	19.95	133.5	20.43	138.7	20.99	142.6	21.16
	30	169.6	101.1	17.86	109.4	20.75	119.2	24.18	129.6	27.22	133.5	27.88	138.7	28.54	142.6	29.06
		212.0	101.1	17.50	109.4	20.42	119.2	23.78	129.6	26.78	133.5	27.44	138.7	28.09	142.6	28.61
		424.0	101.1	16.10	109.4	19.09	119.2	22.23	129.6	25.04	133.5	25.66	138.7	26.31	142.6	26.80
		530.0	101.1	15.66	109.4	18.69	119.2	21.79	129.6	24.55	133.5	25.16	138.7	25.81	142.6	26.15
		636.0	101.1	15.45	109.4	18.49	119.2	21.57	129.6	24.31	133.5	24.91	138.7	25.56	142.6	25.82
	35	169.6	94.2	18.58	102.0	21.59	111.1	25.13	120.7	28.31	124.3	28.97	129.2	29.68	132.8	30.22
		212.0	94.2	18.21	102.0	21.24	111.1	24.72	120.7	27.86	124.3	28.51	129.2	29.21	132.8	29.75
		424.0	94.2	16.75	102.0	19.85	111.1	23.13	120.7	26.05	124.3	26.67	129.2	27.35	132.8	27.87
		530.0	94.2	16.28	102.0	19.43	111.1	22.65	120.7	25.53	124.3	26.18	129.2	26.83	132.8	27.18
		636.0	94.2	16.05	102.0	19.22	111.1	22.40	120.7	25.27	124.3	25.94	129.2	26.57	132.8	26.84
	40	169.6	87.2	20.40	94.5	23.72	102.9	27.61	111.9	31.08	115.2	31.83	119.7	32.60	123.0	33.20
		212.0	87.2	20.00	94.5	23.33	102.9	27.17	111.9	30.58	115.2	31.32	119.7	32.09	123.0	32.68
		424.0	87.2	18.39	94.5	21.81	102.9	25.41	111.9	28.61	115.2	29.29	119.7	30.07	123.0	30.62
		530.0	87.2	17.87	94.5	21.34	102.9	24.89	111.9	28.04	115.2	28.76	119.7	29.50	123.0	29.85
		636.0	87.2	17.61	94.5	21.10	102.9	24.63	111.9	27.76	115.2	28.49	119.7	29.21	123.0	29.46
	45	169.6	80.3	22.23	87.1	25.85	94.7	30.10	103.1	33.85	106.1	34.69	110.2	35.53	113.3	36.18
		212.0	80.3	21.79	87.1	25.43	94.7	29.62	103.1	33.31	106.1	34.13	110.2	34.97	113.3	35.61
		424.0	80.3	20.03	87.1	23.76	94.7	27.69	103.1	31.17	106.1	31.92	110.2	32.78	113.3	33.37
		530.0	80.3	19.46	87.1	23.24	94.7	27.14	103.1	30.55	106.1	31.34	110.2	32.16	113.3	32.51
		636.0	80.3	19.18	87.1	22.99	94.7	26.86	103.1	30.24	106.1	31.05	110.2	31.85	113.3	32.08
100	10	169.6	96.1	6.89	104.0	8.00	113.3	9.26	123.2	10.49	126.9	10.68	131.8	11.00	135.5	11.17
		212.0	96.1	6.75	104.0	7.87	113.3	9.11	123.2	10.32	126.9	10.52	131.8	10.81	135.5	10.99
		424.0	96.1	6.21	104.0	7.35	113.3	8.52	123.2	9.64	126.9	9.85	131.8	10.09	135.5	10.29
		530.0	96.1	5.99	104.0	7.17	113.3	8.36	123.2	9.43	126.9	9.67	131.8	9.89	135.5	9.99
		636.0	96.1	5.89	104.0	7.08	113.3	8.27	123.2	9.32	126.9	9.58	131.8	9.79	135.5	9.84
	15	169.6	96.1	9.32	104.0	10.81	113.3	12.58	123.2	14.18	126.9	14.50	131.8	14.88	135.5	15.13
		212.0	96.1	9.13	104.0	10.64	113.3	12.38	123.2	13.95	126.9	14.27	131.8	14.64	135.5	14.89
		424.0	96.1	8.39	104.0	9.95	113.3	11.58	123.2	13.05	126.9	13.35	131.8	13.69	135.5	13.94
		530.0	96.1	8.14	104.0	9.73	113.3	11.34	123.2	12.78	126.9	13.10	131.8	13.43	135.5	13.57
		636.0	96.1	8.01	104.0	9.62	113.3	11.22	123.2	12.65	126.9	12.97	131.8	13.31	135.5	13.38

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	169.6	96.1	11.47	104.0	13.31	113.3	15.53	123.2	17.47	126.9	17.89	131.8	18.33	135.5	18.65
		212.0	96.1	11.24	104.0	13.10	113.3	15.28	123.2	17.19	126.9	17.61	131.8	18.04	135.5	18.36
		424.0	96.1	10.34	104.0	12.26	113.3	14.29	123.2	16.08	126.9	16.46	131.8	16.88	135.5	17.19
		530.0	96.1	10.05	104.0	12.01	113.3	13.99	123.2	15.76	126.9	16.15	131.8	16.58	135.5	16.75
		636.0	96.1	9.90	104.0	11.88	113.3	13.84	123.2	15.60	126.9	15.99	131.8	16.43	135.5	16.53
	25	169.6	96.1	13.98	104.0	16.24	113.3	18.93	123.2	21.32	126.9	21.83	131.8	22.37	135.5	22.75
		212.0	96.1	13.70	104.0	15.98	113.3	18.62	123.2	20.97	126.9	21.48	131.8	22.01	135.5	22.40
		424.0	96.1	12.61	104.0	14.94	113.3	17.40	123.2	19.60	126.9	20.08	131.8	20.59	135.5	20.97
		530.0	96.1	12.26	104.0	14.64	113.3	17.05	123.2	19.21	126.9	19.70	131.8	20.20	135.5	20.42
		636.0	96.1	12.09	104.0	14.49	113.3	16.88	123.2	19.02	126.9	19.50	131.8	20.01	135.5	20.14
	30	169.6	96.1	17.19	104.0	20.01	113.3	23.29	123.2	26.22	126.9	26.85	131.8	27.49	135.5	28.00
		212.0	96.1	16.85	104.0	19.68	113.3	22.91	123.2	25.80	126.9	26.41	131.8	27.05	135.5	27.56
		424.0	96.1	15.51	104.0	18.39	113.3	21.41	123.2	24.12	126.9	24.69	131.8	25.33	135.5	25.80
		530.0	96.1	15.08	104.0	18.01	113.3	20.97	123.2	23.65	126.9	24.24	131.8	24.86	135.5	25.11
		636.0	96.1	14.86	104.0	17.81	113.3	20.75	123.2	23.42	126.9	24.01	131.8	24.62	135.5	24.76
	35	169.6	91.3	18.15	98.9	21.09	107.7	24.56	117.0	27.66	120.5	28.33	125.3	29.02	128.7	29.55
		212.0	91.3	17.79	98.9	20.75	107.7	24.17	117.0	27.22	120.5	27.87	125.3	28.56	128.7	29.08
		424.0	91.3	16.37	98.9	19.41	107.7	22.61	117.0	25.46	120.5	26.06	125.3	26.73	128.7	27.22
		530.0	91.3	15.93	98.9	18.99	107.7	22.14	117.0	24.98	120.5	25.58	125.3	26.23	128.7	26.50
		636.0	91.3	15.71	98.9	18.78	107.7	21.91	117.0	24.73	120.5	25.34	125.3	25.98	128.7	26.14
	40	169.6	86.5	20.38	93.7	23.68	102.0	27.58	110.9	31.05	114.2	31.78	118.7	32.56	122.0	33.14
		212.0	86.5	19.97	93.7	23.30	102.0	27.14	110.9	30.55	114.2	31.27	118.7	32.04	122.0	32.61
		424.0	86.5	18.36	93.7	21.78	102.0	25.36	110.9	28.56	114.2	29.25	118.7	29.98	122.0	30.54
		530.0	86.5	17.86	93.7	21.31	102.0	24.84	110.9	28.00	114.2	28.69	118.7	29.43	122.0	29.73
		636.0	86.5	17.61	93.7	21.07	102.0	24.58	110.9	27.73	114.2	28.41	118.7	29.15	122.0	29.33
	45	169.6	81.6	22.60	88.4	26.28	96.3	30.60	104.7	34.44	107.9	35.24	112.1	36.11	115.2	36.72
		212.0	81.6	22.15	88.4	25.84	96.3	30.10	104.7	33.88	107.9	34.67	112.1	35.53	115.2	36.15
		424.0	81.6	20.35	88.4	24.14	96.3	28.11	104.7	31.66	107.9	32.43	112.1	33.23	115.2	33.85
		530.0	81.6	19.79	88.4	23.62	96.3	27.54	104.7	31.03	107.9	31.81	112.1	32.63	115.2	32.96
		636.0	81.6	19.50	88.4	23.36	96.3	27.26	104.7	30.72	107.9	31.49	112.1	32.32	115.2	32.52
90	10	169.6	86.5	5.88	93.7	6.83	102.0	7.96	110.9	9.01	114.2	9.18	118.7	9.37	122.0	9.63
		212.0	86.5	5.76	93.7	6.73	102.0	7.84	110.9	8.86	114.2	9.04	118.7	9.24	122.0	9.48
		424.0	86.5	5.32	93.7	6.32	102.0	7.36	110.9	8.29	114.2	8.48	118.7	8.72	122.0	8.86
		530.0	86.5	5.17	93.7	6.13	102.0	7.20	110.9	8.08	114.2	8.32	118.7	8.56	122.0	8.58
		636.0	86.5	5.10	93.7	6.04	102.0	7.12	110.9	7.98	114.2	8.24	118.7	8.48	122.0	8.44
	15	169.6	86.5	8.00	93.7	9.29	102.0	10.82	110.9	12.21	114.2	12.48	118.7	12.78	122.0	13.04
		212.0	86.5	7.84	93.7	9.14	102.0	10.65	110.9	12.01	114.2	12.28	118.7	12.58	122.0	12.83
		424.0	86.5	7.22	93.7	8.56	102.0	9.96	110.9	11.22	114.2	11.49	118.7	11.79	122.0	12.01
		530.0	86.5	7.02	93.7	8.36	102.0	9.77	110.9	10.99	114.2	11.27	118.7	11.58	122.0	11.67
		636.0	86.5	6.92	93.7	8.26	102.0	9.67	110.9	10.87	114.2	11.17	118.7	11.47	122.0	11.51
	20	169.6	86.5	9.88	93.7	11.47	102.0	13.37	110.9	15.05	114.2	15.41	118.7	15.80	122.0	16.06
		212.0	86.5	9.68	93.7	11.29	102.0	13.15	110.9	14.81	114.2	15.16	118.7	15.54	122.0	15.81
		424.0	86.5	8.91	93.7	10.55	102.0	12.28	110.9	13.83	114.2	14.17	118.7	14.52	122.0	14.81
		530.0	86.5	8.66	93.7	10.34	102.0	12.05	110.9	13.57	114.2	13.90	118.7	14.25	122.0	14.42
		636.0	86.5	8.53	93.7	10.23	102.0	11.93	110.9	13.43	114.2	13.77	118.7	14.12	122.0	14.23
	25	169.6	86.5	12.03	93.7	14.00	102.0	16.29	110.9	18.35	114.2	18.78	118.7	19.25	122.0	19.59
		212.0	86.5	11.79	93.7	13.77	102.0	16.03	110.9	18.06	114.2	18.48	118.7	18.95	122.0	19.28
		424.0	86.5	10.85	93.7	12.87	102.0	14.99	110.9	16.88	114.2	17.28	118.7	17.74	122.0	18.04
		530.0	86.5	10.55	93.7	12.58	102.0	14.69	110.9	16.55	114.2	16.97	118.7	17.40	122.0	17.57
		636.0	86.5	10.40	93.7	12.44	102.0	14.54	110.9	16.38	114.2	16.81	118.7	17.23	122.0	17.34
	30	169.6	86.5	14.80	93.7	17.22	102.0	20.04	110.9	22.58	114.2	23.10	118.7	23.68	122.0	24.11
		212.0	86.5	14.51	93.7	16.93	102.0	19.72	110.9	22.21	114.2	22.73	118.7	23.30	122.0	23.72
		424.0	86.5	13.35	93.7	15.81	102.0	18.44	110.9	20.75	114.2	21.27	118.7	21.79	122.0	22.19
		530.0	86.5	12.98	93.7	15.50	102.0	18.06	110.9	20.37	114.2	20.85	118.7	21.41	122.0	21.61
		636.0	86.5	12.79	93.7	15.34	102.0	17.86	110.9	20.18	114.2	20.64	118.7	21.21	122.0	21.32
	35	169.6	84.1	15.99	91.1	18.56	99.2	21.62	107.8	24.35	111.0	24.92	115.3	25.53	118.6	25.99
		212.0	84.1	15.66	91.1	18.26	99.2	21.27	107.8	23.95	111.0	24.52	115.3	25.12	118.6	25.58
		424.0	84.1	14.39	91.1	17.07	99.2	19.90	107.8	22.40	111.0	22.93	115.3	23.52	118.6	23.95
		530.0	84.1	14.00	91.1	16.72	99.2	19.48	107.8	21.96	111.0	22.51	115.3	23.08	118.6	23.31
		636.0	84.1	13.81	91.1	16.54	99.2	19.27	107.8	21.74	111.0	22.31	115.3	22.86	118.6	23.00
	40	169.6	81.7	18.36	88.5	21.31	96.3	24.83	104.7	27.97	107.9	28.63	112.1	29.33	115.2	29.85
		212.0	81.7	17.99	88.5	20.97	96.3	24.44	104.7	27.52	107.9	28.17	112.1	28.86	115.2	29.38
		424.0	81.7	16.55	88.5	19.61	96.3	22.86	104.7	25.73	107.9	26.35	112.1	27.02	115.2	27.52
		530.0	81.7	16.08	88.5	19.20	96.3	22.40	104.7	25.23	107.9	25.84	112.1	26.52	115.2	26.78
		636.0	81.7	15.84	88.5	18.99	96.3	22.16	104.7	24.98	107.9	25.59	112.1	26.27	115.2	26.42

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	169.6	79.3	20.73	85.9	24.07	93.5	28.05	101.6	31.60	104.8	32.34	108.8	33.12	111.8	33.71
		212.0	79.3	20.32	85.9	23.69	93.5	27.60	101.6	31.09	104.8	31.83	108.8	32.60	111.8	33.18
		424.0	79.3	18.71	85.9	22.16	93.5	25.83	101.6	29.06	104.8	29.77	108.8	30.52	111.8	31.09
		530.0	79.3	18.15	85.9	21.68	93.5	25.31	101.6	28.49	104.8	29.18	108.8	29.95	111.8	30.25
		636.0	79.3	17.88	85.9	21.44	93.5	25.05	101.6	28.21	104.8	28.88	108.8	29.67	111.8	29.84
80	10	169.6	76.9	4.98	83.2	5.74	90.7	6.67	98.5	7.56	101.5	7.71	105.5	7.92	108.4	8.01
		212.0	76.9	4.87	83.2	5.65	90.7	6.57	98.5	7.43	101.5	7.59	105.5	7.78	108.4	7.89
		424.0	76.9	4.46	83.2	5.32	90.7	6.17	98.5	6.93	101.5	7.11	105.5	7.25	108.4	7.39
		530.0	76.9	4.37	83.2	5.17	90.7	6.06	98.5	6.81	101.5	6.95	105.5	7.15	108.4	7.20
		636.0	76.9	4.33	83.2	5.10	90.7	6.00	98.5	6.76	101.5	6.88	105.5	7.10	108.4	7.11
	15	169.6	76.9	6.72	83.2	7.79	90.7	9.07	98.5	10.24	101.5	10.47	105.5	10.73	108.4	10.91
		212.0	76.9	6.58	83.2	7.67	90.7	8.93	98.5	10.07	101.5	10.30	105.5	10.55	108.4	10.74
		424.0	76.9	6.04	83.2	7.19	90.7	8.36	98.5	9.40	101.5	9.63	105.5	9.87	108.4	10.05
		530.0	76.9	5.90	83.2	7.02	90.7	8.19	98.5	9.23	101.5	9.45	105.5	9.70	108.4	9.78
		636.0	76.9	5.82	83.2	6.93	90.7	8.11	98.5	9.14	101.5	9.35	105.5	9.61	108.4	9.65
	20	169.6	76.9	8.27	83.2	9.62	90.7	11.20	98.5	12.62	101.5	12.92	105.5	13.22	108.4	13.48
		212.0	76.9	8.11	83.2	9.47	90.7	11.02	98.5	12.41	101.5	12.71	105.5	13.01	108.4	13.27
		424.0	76.9	7.45	83.2	8.84	90.7	10.30	98.5	11.59	101.5	11.88	105.5	12.19	108.4	12.41
		530.0	76.9	7.25	83.2	8.66	90.7	10.08	98.5	11.37	101.5	11.66	105.5	11.96	108.4	12.07
		636.0	76.9	7.15	83.2	8.57	90.7	9.97	98.5	11.26	101.5	11.55	105.5	11.85	108.4	11.91
	25	169.6	76.9	10.10	83.2	11.73	90.7	13.65	98.5	15.37	101.5	15.75	105.5	16.14	108.4	16.42
		212.0	76.9	9.90	83.2	11.54	90.7	13.43	98.5	15.12	101.5	15.50	105.5	15.88	108.4	16.16
		424.0	76.9	9.09	83.2	10.78	90.7	12.56	98.5	14.16	101.5	14.49	105.5	14.86	108.4	15.12
		530.0	76.9	8.84	83.2	10.55	90.7	12.31	98.5	13.87	101.5	14.22	105.5	14.59	108.4	14.72
		636.0	76.9	8.72	83.2	10.44	90.7	12.19	98.5	13.73	101.5	14.09	105.5	14.46	108.4	14.52
	30	169.6	76.9	12.40	83.2	14.42	90.7	16.80	98.5	18.91	101.5	19.35	105.5	19.83	108.4	20.21
		212.0	76.9	12.16	83.2	14.19	90.7	16.53	98.5	18.61	101.5	19.04	105.5	19.51	108.4	19.88
		424.0	76.9	11.19	83.2	13.27	90.7	15.46	98.5	17.40	101.5	17.82	105.5	18.27	108.4	18.61
		530.0	76.9	10.89	83.2	12.98	90.7	15.12	98.5	17.07	101.5	17.49	105.5	17.92	108.4	18.12
		636.0	76.9	10.74	83.2	12.84	90.7	14.96	98.5	16.90	101.5	17.32	105.5	17.75	108.4	17.88
	35	169.6	76.9	13.79	83.2	16.02	90.7	18.65	98.5	21.02	101.5	21.54	105.5	22.06	108.4	22.45
		212.0	76.9	13.52	83.2	15.76	90.7	18.36	98.5	20.68	101.5	21.19	105.5	21.71	108.4	22.09
		424.0	76.9	12.45	83.2	14.74	90.7	17.19	98.5	19.35	101.5	19.80	105.5	20.30	108.4	20.67
		530.0	76.9	12.09	83.2	14.42	90.7	16.83	98.5	18.96	101.5	19.43	105.5	19.93	108.4	20.12
		636.0	76.9	11.92	83.2	14.26	90.7	16.66	98.5	18.77	101.5	19.24	105.5	19.75	108.4	19.84
	40	169.6	76.9	16.34	83.2	18.99	90.7	22.12	98.5	24.91	101.5	25.49	105.5	26.12	108.4	26.57
		212.0	76.9	16.01	83.2	18.68	90.7	21.76	98.5	24.51	101.5	25.07	105.5	25.70	108.4	26.15
		424.0	76.9	14.72	83.2	17.45	90.7	20.33	98.5	22.91	101.5	23.43	105.5	24.04	108.4	24.47
		530.0	76.9	14.30	83.2	17.09	90.7	19.91	98.5	22.44	101.5	23.00	105.5	23.60	108.4	23.83
		636.0	76.9	14.09	83.2	16.90	90.7	19.70	98.5	22.21	101.5	22.78	105.5	23.38	108.4	23.51
	45	169.6	76.9	18.89	83.2	21.96	90.7	25.58	98.5	28.79	101.5	29.44	105.5	30.17	108.4	30.69
		212.0	76.9	18.51	83.2	21.59	90.7	25.16	98.5	28.33	101.5	28.96	105.5	29.69	108.4	30.20
		424.0	76.9	17.00	83.2	20.17	90.7	23.48	98.5	26.48	101.5	27.07	105.5	27.77	108.4	28.27
		530.0	76.9	16.51	83.2	19.75	90.7	22.99	98.5	25.93	101.5	26.57	105.5	27.27	108.4	27.55
		636.0	76.9	16.27	83.2	19.54	90.7	22.75	98.5	25.65	101.5	26.32	105.5	27.02	108.4	27.19
70	10	169.6	67.3	4.09	72.8	4.78	79.3	5.55	86.2	6.25	88.8	6.42	92.3	6.58	94.8	6.67
		212.0	67.3	4.01	72.8	4.70	79.3	5.46	86.2	6.15	88.8	6.32	92.3	6.48	94.8	6.57
		424.0	67.3	3.71	72.8	4.39	79.3	5.09	86.2	5.77	88.8	5.92	92.3	6.08	94.8	6.17
		530.0	67.3	3.61	72.8	4.28	79.3	5.01	86.2	5.65	88.8	5.78	92.3	5.93	94.8	6.01
		636.0	67.3	3.57	72.8	4.23	79.3	4.97	86.2	5.59	88.8	5.71	92.3	5.85	94.8	5.93
	15	169.6	67.3	5.57	72.8	6.49	79.3	7.54	86.2	8.49	88.8	8.70	92.3	8.92	94.8	9.07
		212.0	67.3	5.46	72.8	6.38	79.3	7.42	86.2	8.36	88.8	8.56	92.3	8.78	94.8	8.93
		424.0	67.3	5.03	72.8	5.96	79.3	6.93	86.2	7.82	88.8	8.01	92.3	8.22	94.8	8.36
		530.0	67.3	4.89	72.8	5.83	79.3	6.80	86.2	7.67	88.8	7.85	92.3	8.06	94.8	8.14
		636.0	67.3	4.83	72.8	5.76	79.3	6.73	86.2	7.59	88.8	7.78	92.3	7.97	94.8	8.03
	20	169.6	67.3	6.89	72.8	8.00	79.3	9.31	86.2	10.49	88.8	10.73	92.3	10.99	94.8	11.20
		212.0	67.3	6.75	72.8	7.87	79.3	9.16	86.2	10.32	88.8	10.55	92.3	10.82	94.8	11.02
		424.0	67.3	6.20	72.8	7.35	79.3	8.58	86.2	9.65	88.8	9.87	92.3	10.13	94.8	10.30
		530.0	67.3	6.03	72.8	7.20	79.3	8.39	86.2	9.47	88.8	9.70	92.3	9.95	94.8	10.03
		636.0	67.3	5.95	72.8	7.12	79.3	8.30	86.2	9.37	88.8	9.61	92.3	9.86	94.8	9.90
	25	169.6	67.3	8.39	72.8	9.76	79.3	11.35	86.2	12.79	88.8	13.09	92.3	13.41	94.8	13.65
		212.0	67.3	8.22	72.8	9.60	79.3	11.17	86.2	12.58	88.8	12.88	92.3	13.20	94.8	13.43
		424.0	67.3	7.57	72.8	8.96	79.3	10.45	86.2	11.76	88.8	12.05	92.3	12.36	94.8	12.58
		530.0	67.3	7.35	72.8	8.78	79.3	10.24	86.2	11.54	88.8	11.81	92.3	12.11	94.8	12.24
		636.0	67.3	7.25	72.8	8.69	79.3	10.13	86.2	11.43	88.8	11.69	92.3	11.98	94.8	12.07

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	169.6	67.3	10.32	72.8	11.99	79.3	13.96	86.2	15.73	88.8	16.10	92.3	16.49	94.8	16.80
		212.0	67.3	10.12	72.8	11.79	79.3	13.74	86.2	15.48	88.8	15.85	92.3	16.23	94.8	16.53
		424.0	67.3	9.30	72.8	11.02	79.3	12.85	86.2	14.47	88.8	14.82	92.3	15.19	94.8	15.46
		530.0	67.3	9.05	72.8	10.80	79.3	12.58	86.2	14.19	88.8	14.54	92.3	14.91	94.8	15.08
		636.0	67.3	8.92	72.8	10.70	79.3	12.45	86.2	14.04	88.8	14.40	92.3	14.76	94.8	14.88
	35	169.6	67.3	11.47	72.8	13.31	79.3	15.53	86.2	17.47	88.8	17.89	92.3	18.33	94.8	18.65
		212.0	67.3	11.24	72.8	13.10	79.3	15.28	86.2	17.19	88.8	17.61	92.3	18.04	94.8	18.36
		424.0	67.3	10.34	72.8	12.26	79.3	14.27	86.2	16.08	88.8	16.46	92.3	16.88	94.8	17.19
		530.0	67.3	10.05	72.8	11.99	79.3	13.99	86.2	15.76	88.8	16.15	92.3	16.57	94.8	16.75
		636.0	67.3	9.90	72.8	11.85	79.3	13.85	86.2	15.60	88.8	15.99	92.3	16.41	94.8	16.53
	40	169.6	67.3	13.59	72.8	15.76	79.3	18.39	86.2	20.70	88.8	21.19	92.3	21.70	94.8	22.09
		212.0	67.3	13.32	72.8	15.51	79.3	18.09	86.2	20.37	88.8	20.85	92.3	21.36	94.8	21.74
		424.0	67.3	12.24	72.8	14.52	79.3	16.92	86.2	19.04	88.8	19.50	92.3	19.98	94.8	20.37
		530.0	67.3	11.89	72.8	14.21	79.3	16.55	86.2	18.66	88.8	19.13	92.3	19.63	94.8	19.81
		636.0	67.3	11.72	72.8	14.05	79.3	16.36	86.2	18.47	88.8	18.94	92.3	19.46	94.8	19.54
	45	169.6	67.3	15.70	72.8	18.21	79.3	21.24	86.2	23.94	88.8	24.50	92.3	25.08	94.8	25.53
		212.0	67.3	15.39	72.8	17.92	79.3	20.90	86.2	23.55	88.8	24.10	92.3	24.67	94.8	25.13
		424.0	67.3	14.15	72.8	16.78	79.3	19.57	86.2	22.01	88.8	22.53	92.3	23.08	94.8	23.55
		530.0	67.3	13.74	72.8	16.42	79.3	19.11	86.2	21.55	88.8	22.11	92.3	22.70	94.8	22.88
		636.0	67.3	13.53	72.8	16.24	79.3	18.88	86.2	21.33	88.8	21.90	92.3	22.50	94.8	22.54
60	10	169.6	57.7	3.27	62.4	3.78	68.0	4.41	73.9	5.00	76.2	5.13	79.1	5.21	81.3	5.33
		212.0	57.7	3.20	62.4	3.72	68.0	4.34	73.9	4.92	76.2	5.05	79.1	5.14	81.3	5.25
		424.0	57.7	2.95	62.4	3.48	68.0	4.09	73.9	4.58	76.2	4.70	79.1	4.84	81.3	4.92
		530.0	57.7	2.84	62.4	3.45	68.0	4.01	73.9	4.51	76.2	4.62	79.1	4.72	81.3	4.80
		636.0	57.7	2.79	62.4	3.43	68.0	3.97	73.9	4.48	76.2	4.58	79.1	4.66	81.3	4.75
	15	169.6	57.7	4.44	62.4	5.16	68.0	6.00	73.9	6.78	76.2	6.95	79.1	7.09	81.3	7.23
		212.0	57.7	4.35	62.4	5.08	68.0	5.91	73.9	6.67	76.2	6.84	79.1	6.98	81.3	7.12
		424.0	57.7	4.00	62.4	4.74	68.0	5.55	73.9	6.23	76.2	6.38	79.1	6.55	81.3	6.67
		530.0	57.7	3.88	62.4	4.66	68.0	5.43	73.9	6.11	76.2	6.26	79.1	6.42	81.3	6.50
		636.0	57.7	3.83	62.4	4.61	68.0	5.37	73.9	6.05	76.2	6.20	79.1	6.35	81.3	6.42
	20	169.6	57.7	5.49	62.4	6.39	68.0	7.42	73.9	8.36	76.2	8.57	79.1	8.76	81.3	8.92
		212.0	57.7	5.38	62.4	6.28	68.0	7.31	73.9	8.22	76.2	8.43	79.1	8.62	81.3	8.78
		424.0	57.7	4.94	62.4	5.86	68.0	6.84	73.9	7.71	76.2	7.87	79.1	8.07	81.3	8.22
		530.0	57.7	4.81	62.4	5.73	68.0	6.68	73.9	7.54	76.2	7.72	79.1	7.92	81.3	8.01
		636.0	57.7	4.74	62.4	5.66	68.0	6.61	73.9	7.45	76.2	7.64	79.1	7.85	81.3	7.90
	25	169.6	57.7	6.68	62.4	7.78	68.0	9.06	73.9	10.20	76.2	10.43	79.1	10.69	81.3	10.89
		212.0	57.7	6.55	62.4	7.66	68.0	8.91	73.9	10.03	76.2	10.27	79.1	10.52	81.3	10.72
		424.0	57.7	6.03	62.4	7.15	68.0	8.32	73.9	9.38	76.2	9.60	79.1	9.85	81.3	10.03
		530.0	57.7	5.86	62.4	6.98	68.0	8.16	73.9	9.18	76.2	9.43	79.1	9.66	81.3	9.77
		636.0	57.7	5.78	62.4	6.90	68.0	8.07	73.9	9.08	76.2	9.35	79.1	9.57	81.3	9.63
	30	169.6	57.7	8.22	62.4	9.55	68.0	11.13	73.9	12.53	76.2	12.84	79.1	13.14	81.3	13.40
		212.0	57.7	8.06	62.4	9.40	68.0	10.95	73.9	12.33	76.2	12.63	79.1	12.93	81.3	13.18
		424.0	57.7	7.42	62.4	8.79	68.0	10.25	73.9	11.54	76.2	11.81	79.1	12.11	81.3	12.33
		530.0	57.7	7.20	62.4	8.61	68.0	10.03	73.9	11.32	76.2	11.59	79.1	11.89	81.3	12.01
		636.0	57.7	7.09	62.4	8.52	68.0	9.92	73.9	11.21	76.2	11.48	79.1	11.78	81.3	11.85
	35	169.6	57.7	9.14	62.4	10.63	68.0	12.38	73.9	13.92	76.2	14.27	79.1	14.63	81.3	14.88
		212.0	57.7	8.96	62.4	10.45	68.0	12.18	73.9	13.70	76.2	14.04	79.1	14.39	81.3	14.64
		424.0	57.7	8.24	62.4	9.77	68.0	11.37	73.9	12.83	76.2	13.13	79.1	13.45	81.3	13.70
		530.0	57.7	8.01	62.4	9.56	68.0	11.16	73.9	12.56	76.2	12.88	79.1	13.22	81.3	13.35
		636.0	57.7	7.89	62.4	9.46	68.0	11.05	73.9	12.43	76.2	12.75	79.1	13.10	81.3	13.17
	40	169.6	57.7	10.81	62.4	12.58	68.0	14.66	73.9	16.50	76.2	16.89	79.1	17.29	81.3	17.64
		212.0	57.7	10.60	62.4	12.38	68.0	14.42	73.9	16.23	76.2	16.62	79.1	17.02	81.3	17.35
		424.0	57.7	9.77	62.4	11.58	68.0	13.48	73.9	15.17	76.2	15.54	79.1	15.93	81.3	16.23
		530.0	57.7	9.48	62.4	11.32	68.0	13.22	73.9	14.87	76.2	15.24	79.1	15.64	81.3	15.80
		636.0	57.7	9.34	62.4	11.20	68.0	13.08	73.9	14.72	76.2	15.09	79.1	15.50	81.3	15.58
	45	169.6	57.7	12.48	62.4	14.53	68.0	16.94	73.9	19.08	76.2	19.51	79.1	19.96	81.3	20.40
		212.0	57.7	12.24	62.4	14.30	68.0	16.67	73.9	18.76	76.2	19.20	79.1	19.65	81.3	20.07
		424.0	57.7	11.29	62.4	13.38	68.0	15.59	73.9	17.52	76.2	17.96	79.1	18.41	81.3	18.76
		530.0	57.7	10.95	62.4	13.08	68.0	15.28	73.9	17.18	76.2	17.61	79.1	18.07	81.3	18.24
		636.0	57.7	10.78	62.4	12.93	68.0	15.12	73.9	17.01	76.2	17.43	79.1	17.90	81.3	17.98
50	10	169.6	48.1	2.45	52.0	2.81	56.6	3.33	61.6	3.69	63.5	3.80	65.9	3.90	67.7	3.98
		212.0	48.1	2.40	52.0	2.77	56.6	3.28	61.6	3.64	63.5	3.75	65.9	3.84	67.7	3.91
		424.0	48.1	2.18	52.0	2.61	56.6	3.06	61.6	3.45	63.5	3.55	65.9	3.57	67.7	3.64
		530.0	48.1	2.12	52.0	2.60	56.6	3.00	61.6	3.35	63.5	3.41	65.9	3.53	67.7	3.55
		636.0	48.1	2.09	52.0	2.60	56.6	2.96	61.6	3.30	63.5	3.34	65.9	3.50	67.7	3.51

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	169.6	48.1	3.31	52.0	3.85	56.6	4.50	61.6	5.03	63.5	5.17	65.9	5.29	67.7	5.40
		212.0	48.1	3.25	52.0	3.79	56.6	4.42	61.6	4.96	63.5	5.09	65.9	5.21	67.7	5.31
		424.0	48.1	2.98	52.0	3.53	56.6	4.14	61.6	4.66	63.5	4.77	65.9	4.87	67.7	4.96
		530.0	48.1	2.90	52.0	3.48	56.6	4.05	61.6	4.56	63.5	4.66	65.9	4.79	67.7	4.84
		636.0	48.1	2.85	52.0	3.46	56.6	4.01	61.6	4.51	63.5	4.60	65.9	4.75	67.7	4.78
	20	169.6	48.1	4.08	52.0	4.78	56.6	5.53	61.6	6.23	63.5	6.39	65.9	6.53	67.7	6.66
		212.0	48.1	4.00	52.0	4.69	56.6	5.44	61.6	6.13	63.5	6.28	65.9	6.43	67.7	6.55
		424.0	48.1	3.69	52.0	4.35	56.6	5.09	61.6	5.73	63.5	5.86	65.9	6.03	67.7	6.13
		530.0	48.1	3.58	52.0	4.27	56.6	4.99	61.6	5.63	63.5	5.76	65.9	5.91	67.7	5.98
		636.0	48.1	3.53	52.0	4.23	56.6	4.94	61.6	5.58	63.5	5.71	65.9	5.85	67.7	5.91
	25	169.6	48.1	4.97	52.0	5.79	56.6	6.74	61.6	7.62	63.5	7.78	65.9	7.97	67.7	8.09
		212.0	48.1	4.87	52.0	5.69	56.6	6.63	61.6	7.49	63.5	7.66	65.9	7.84	67.7	7.97
		424.0	48.1	4.49	52.0	5.33	56.6	6.21	61.6	6.98	63.5	7.15	65.9	7.33	67.7	7.49
		530.0	48.1	4.35	52.0	5.21	56.6	6.08	61.6	6.85	63.5	7.02	65.9	7.20	67.7	7.29
		636.0	48.1	4.29	52.0	5.15	56.6	6.01	61.6	6.78	63.5	6.95	65.9	7.13	67.7	7.18
	30	169.6	48.1	6.14	52.0	7.14	56.6	8.31	61.6	9.37	63.5	9.59	65.9	9.80	67.7	9.98
		212.0	48.1	6.02	52.0	7.02	56.6	8.18	61.6	9.21	63.5	9.43	65.9	9.65	67.7	9.82
		424.0	48.1	5.53	52.0	6.55	56.6	7.64	61.6	8.61	63.5	8.79	65.9	9.05	67.7	9.18
		530.0	48.1	5.38	52.0	6.42	56.6	7.49	61.6	8.44	63.5	8.64	65.9	8.86	67.7	8.96
		636.0	48.1	5.30	52.0	6.35	56.6	7.41	61.6	8.36	63.5	8.57	65.9	8.77	67.7	8.85
	35	169.6	48.1	6.82	52.0	7.92	56.6	9.23	61.6	10.38	63.5	10.64	65.9	10.89	67.7	11.08
		212.0	48.1	6.68	52.0	7.79	56.6	9.08	61.6	10.22	63.5	10.47	65.9	10.72	67.7	10.90
		424.0	48.1	6.15	52.0	7.29	56.6	8.49	61.6	9.56	63.5	9.78	65.9	10.03	67.7	10.22
		530.0	48.1	5.98	52.0	7.14	56.6	8.31	61.6	9.38	63.5	9.60	65.9	9.85	67.7	9.95
		636.0	48.1	5.90	52.0	7.06	56.6	8.22	61.6	9.29	63.5	9.51	65.9	9.76	67.7	9.82
	40	169.6	48.1	8.09	52.0	9.38	56.6	10.93	61.6	12.31	63.5	12.60	65.9	12.90	67.7	13.14
		212.0	48.1	7.92	52.0	9.23	56.6	10.76	61.6	12.11	63.5	12.40	65.9	12.70	67.7	12.93
		424.0	48.1	7.27	52.0	8.62	56.6	10.05	61.6	11.32	63.5	11.59	65.9	11.89	67.7	12.09
		530.0	48.1	7.07	52.0	8.44	56.6	9.85	61.6	11.11	63.5	11.37	65.9	11.66	67.7	11.77
		636.0	48.1	6.97	52.0	8.35	56.6	9.75	61.6	11.00	63.5	11.26	65.9	11.54	67.7	11.61
	45	169.6	48.1	9.36	52.0	10.84	56.6	12.64	61.6	14.23	63.5	14.56	65.9	14.91	67.7	15.20
		212.0	48.1	9.16	52.0	10.67	56.6	12.43	61.6	14.00	63.5	14.32	65.9	14.67	67.7	14.96
		424.0	48.1	8.39	52.0	9.96	56.6	11.61	61.6	13.08	63.5	13.40	65.9	13.75	67.7	13.97
		530.0	48.1	8.16	52.0	9.75	56.6	11.39	61.6	12.83	63.5	13.15	65.9	13.47	67.7	13.60
		636.0	48.1	8.04	52.0	9.64	56.6	11.29	61.6	12.70	63.5	13.02	65.9	13.33	67.7	13.41

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(46HP)

ARWN460LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	177.2	119.7	8.58	129.7	10.01	141.1	11.68	153.4	13.11	158.1	13.42	164.2	13.80	168.8	14.03
		221.5	119.7	8.42	129.7	9.84	141.1	11.48	153.4	12.90	158.1	13.21	164.2	13.58	168.8	13.81
		443.0	119.7	7.79	129.7	9.19	141.1	10.71	153.4	12.06	158.1	12.39	164.2	12.69	168.8	12.96
		553.8	119.7	7.55	129.7	9.00	141.1	10.51	153.4	11.80	158.1	12.13	164.2	12.44	168.8	12.64
		664.5	119.7	7.43	129.7	8.91	141.1	10.41	153.4	11.67	158.1	12.00	164.2	12.31	168.8	12.48
	15	177.2	117.8	11.29	127.6	13.14	138.9	15.32	151.0	17.22	155.5	17.63	161.6	18.08	166.1	18.39
		221.5	117.8	11.07	127.6	12.93	138.9	15.07	151.0	16.95	155.5	17.35	161.6	17.80	166.1	18.12
		443.0	117.8	10.20	127.6	12.08	138.9	14.08	151.0	15.85	155.5	16.26	161.6	16.68	166.1	17.02
		553.8	117.8	9.92	127.6	11.83	138.9	13.80	151.0	15.53	155.5	15.94	161.6	16.35	166.1	16.63
		664.5	117.8	9.78	127.6	11.71	138.9	13.65	151.0	15.37	155.5	15.78	161.6	16.18	166.1	16.43
	20	177.2	116.1	13.70	125.7	15.93	136.9	18.56	148.8	20.88	153.3	21.38	159.2	21.89	163.7	22.27
		221.5	116.1	13.42	125.7	15.67	136.9	18.26	148.8	20.54	153.3	21.04	159.2	21.55	163.7	21.94
		443.0	116.1	12.34	125.7	14.65	136.9	17.07	148.8	19.21	153.3	19.69	159.2	20.22	163.7	20.63
		553.8	116.1	12.02	125.7	14.34	136.9	16.72	148.8	18.84	153.3	19.32	159.2	19.82	163.7	20.17
		664.5	116.1	11.86	125.7	14.19	136.9	16.54	148.8	18.66	153.3	19.13	159.2	19.61	163.7	19.94
	25	177.2	116.1	16.91	125.7	19.64	136.9	22.88	148.8	25.78	153.3	26.36	159.2	27.02	163.7	27.47
		221.5	116.1	16.58	125.7	19.32	136.9	22.51	148.8	25.36	153.3	25.94	159.2	26.60	163.7	27.06
		443.0	116.1	15.25	125.7	18.06	136.9	21.04	148.8	23.69	153.3	24.28	159.2	24.94	163.7	25.43
		553.8	116.1	14.80	125.7	17.67	136.9	20.61	148.8	23.23	153.3	23.83	159.2	24.46	163.7	24.86
		664.5	116.1	14.58	125.7	17.48	136.9	20.40	148.8	23.00	153.3	23.61	159.2	24.21	163.7	24.58
	30	177.2	116.1	20.30	125.7	23.56	136.9	27.45	148.8	30.93	153.3	31.65	159.2	32.42	163.7	32.97
		221.5	116.1	19.89	125.7	23.18	136.9	27.01	148.8	30.42	153.3	31.15	159.2	31.91	163.7	32.48
		443.0	116.1	18.27	125.7	21.68	136.9	25.25	148.8	28.42	153.3	29.15	159.2	29.91	163.7	30.51
		553.8	116.1	17.76	125.7	21.22	136.9	24.74	148.8	27.87	153.3	28.60	159.2	29.33	163.7	29.82
		664.5	116.1	17.50	125.7	20.98	136.9	24.48	148.8	27.60	153.3	28.32	159.2	29.03	163.7	29.48
	35	177.2	104.5	20.50	113.1	23.83	123.2	27.78	133.9	31.24	137.9	32.02	143.3	32.78	147.3	33.33
		221.5	104.5	20.10	113.1	23.45	123.2	27.32	133.9	30.74	137.9	31.50	143.3	32.27	147.3	32.83
		443.0	104.5	18.49	113.1	21.92	123.2	25.54	133.9	28.76	137.9	29.47	143.3	30.25	147.3	30.87
		553.8	104.5	17.98	113.1	21.45	123.2	25.00	133.9	28.19	137.9	28.92	143.3	29.66	147.3	30.16
		664.5	104.5	17.72	113.1	21.21	123.2	24.74	133.9	27.91	137.9	28.64	143.3	29.37	147.3	29.80
	40	177.2	92.8	21.65	100.6	25.12	109.5	29.28	119.0	32.97	122.6	33.73	127.3	34.55	130.9	35.19
		221.5	92.8	21.22	100.6	24.72	109.5	28.81	119.0	32.44	122.6	33.20	127.3	34.02	130.9	34.66
		443.0	92.8	19.50	100.6	23.13	109.5	26.95	119.0	30.33	122.6	31.10	127.3	31.91	130.9	32.55
		553.8	92.8	18.95	100.6	22.63	109.5	26.37	119.0	29.73	122.6	30.51	127.3	31.29	130.9	31.82
		664.5	92.8	18.67	100.6	22.38	109.5	26.07	119.0	29.43	122.6	30.22	127.3	30.98	130.9	31.46
	45	177.2	81.2	22.79	88.0	26.42	95.8	30.79	104.2	34.70	107.3	35.45	111.4	36.32	114.6	37.05
		221.5	81.2	22.33	88.0	26.00	95.8	30.30	104.2	34.14	107.3	34.90	111.4	35.77	114.6	36.48
		443.0	81.2	20.51	88.0	24.33	95.8	28.37	104.2	31.91	107.3	32.73	111.4	33.58	114.6	34.23
		553.8	81.2	19.92	88.0	23.82	95.8	27.73	104.2	31.27	107.3	32.11	111.4	32.92	114.6	33.49
		664.5	81.2	19.63	88.0	23.56	95.8	27.41	104.2	30.96	107.3	31.79	111.4	32.59	114.6	33.12
120	10	177.2	113.3	8.17	122.7	9.51	133.6	11.02	145.2	12.44	149.6	12.76	155.5	13.07	159.8	13.28
		221.5	113.3	8.00	122.7	9.35	133.6	10.85	145.2	12.23	149.6	12.55	155.5	12.86	159.8	13.07
		443.0	113.3	7.33	122.7	8.74	133.6	10.19	145.2	11.41	149.6	11.70	155.5	12.01	159.8	12.27
		553.8	113.3	7.12	122.7	8.49	133.6	9.95	145.2	11.19	149.6	11.50	155.5	11.81	159.8	12.00
		664.5	113.3	7.02	122.7	8.36	133.6	9.83	145.2	11.08	149.6	11.40	155.5	11.71	159.8	11.86
	15	177.2	112.0	10.83	121.3	12.58	132.1	14.63	143.6	16.49	147.9	16.88	153.7	17.29	158.0	17.59
		221.5	112.0	10.61	121.3	12.38	132.1	14.40	143.6	16.22	147.9	16.61	153.7	17.02	158.0	17.32
		443.0	112.0	9.74	121.3	11.56	132.1	13.48	143.6	15.16	147.9	15.53	153.7	15.94	158.0	16.26
		553.8	112.0	9.47	121.3	11.30	132.1	13.19	143.6	14.86	147.9	15.25	153.7	15.64	158.0	15.89
		664.5	112.0	9.34	121.3	11.16	132.1	13.05	143.6	14.70	147.9	15.11	153.7	15.48	158.0	15.70
	20	177.2	110.8	13.19	120.0	15.32	130.8	17.84	142.1	20.08	146.4	20.55	152.0	21.04	156.3	21.42
		221.5	110.8	12.93	120.0	15.07	130.8	17.55	142.1	19.76	146.4	20.22	152.0	20.72	156.3	21.09
		443.0	110.8	11.88	120.0	14.08	130.8	16.40	142.1	18.49	146.4	18.93	152.0	19.43	156.3	19.80
		553.8	110.8	11.56	120.0	13.80	130.8	16.08	142.1	18.12	146.4	18.58	152.0	19.04	156.3	19.34
		664.5	110.8	11.40	120.0	13.65	130.8	15.92	142.1	17.93	146.4	18.40	152.0	18.84	156.3	19.11
	25	177.2	110.8	16.21	120.0	18.83	130.8	21.92	142.1	24.67	146.4	25.27	152.0	25.89	156.3	26.35
		221.5	110.8	15.89	120.0	18.52	130.8	21.57	142.1	24.28	146.4	24.86	152.0	25.48	156.3	25.94
		443.0	110.8	14.61	120.0	17.30	130.8	20.17	142.1	22.72	146.4	23.27	152.0	23.87	156.3	24.35
		553.8	110.8	14.20	120.0	16.95	130.8	19.76	142.1	22.26	146.4	22.83	152.0	23.41	156.3	23.77
		664.5	110.8	14.00	120.0	16.77	130.8	19.56	142.1	22.03	146.4	22.60	152.0	23.18	156.3	23.47
	30	177.2	110.8	19.56	120.0	22.77	130.8	26.52	142.1	29.84	146.4	30.55	152.0	31.31	156.3	31.85
		221.5	110.8	19.18	120.0	22.40	130.8	26.09	142.1	29.36	146.4	30.07	152.0	30.81	156.3	31.36
		443.0	110.8	17.66	120.0	20.93	130.8	24.37	142.1	27.47	146.4	28.14	152.0	28.87	156.3	29.43
		553.8	110.8	17.16	120.0	20.49	130.8	23.87	142.1	26.92	146.4	27.61	152.0	28.32	156.3	28.74
		664.5	110.8	16.91	120.0	20.27	130.8	23.62	142.1	26.64	146.4	27.34	152.0	28.04	156.3	28.39

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	177.2	101.4	20.08	109.8	23.33	119.7	27.16	130.0	30.60	134.0	31.34	139.2	32.07	143.1	32.64
		221.5	101.4	19.67	109.8	22.95	119.7	26.72	130.0	30.10	134.0	30.83	139.2	31.57	143.1	32.14
		443.0	101.4	18.08	109.8	21.45	119.7	24.99	130.0	28.14	134.0	28.83	139.2	29.59	143.1	30.16
		553.8	101.4	17.58	109.8	21.00	119.7	24.49	130.0	27.59	134.0	28.30	139.2	29.01	143.1	29.45
		664.5	101.4	17.34	109.8	20.78	119.7	24.24	130.0	27.32	134.0	28.03	139.2	28.71	143.1	29.10
	40	177.2	92.0	21.61	99.6	25.09	108.6	29.25	118.0	32.92	121.6	33.71	126.3	34.52	129.8	35.14
		221.5	92.0	21.18	99.6	24.69	108.6	28.78	118.0	32.39	121.6	33.17	126.3	33.98	129.8	34.60
		443.0	92.0	19.48	99.6	23.09	108.6	26.90	118.0	30.28	121.6	31.02	126.3	31.84	129.8	32.46
		553.8	92.0	18.93	99.6	22.60	108.6	26.35	118.0	29.70	121.6	30.46	126.3	31.24	129.8	31.70
		664.5	92.0	18.66	99.6	22.35	108.6	26.08	118.0	29.40	121.6	30.18	126.3	30.94	129.8	31.32
	45	177.2	82.6	23.14	89.4	26.84	97.4	31.34	106.0	35.24	109.2	36.08	113.4	36.97	116.5	37.64
		221.5	82.6	22.68	89.4	26.42	97.4	30.83	106.0	34.67	109.2	35.50	113.4	36.39	116.5	37.06
		443.0	82.6	20.88	89.4	24.74	97.4	28.81	106.0	32.42	109.2	33.22	113.4	34.09	116.5	34.76
		553.8	82.6	20.28	89.4	24.19	97.4	28.21	106.0	31.80	109.2	32.62	113.4	33.47	116.5	33.95
		664.5	82.6	19.98	89.4	23.91	97.4	27.91	106.0	31.49	109.2	32.32	113.4	33.16	116.5	33.54
110	10	177.2	106.9	7.70	115.8	8.93	126.1	10.43	137.0	11.72	141.0	12.01	146.6	12.31	150.6	12.55
		221.5	106.9	7.54	115.8	8.78	126.1	10.26	137.0	11.53	141.0	11.82	146.6	12.12	150.6	12.35
		443.0	106.9	6.93	115.8	8.22	126.1	9.59	137.0	10.78	141.0	11.10	146.6	11.37	150.6	11.57
		553.8	106.9	6.74	115.8	8.05	126.1	9.36	137.0	10.62	141.0	10.83	146.6	11.14	150.6	11.26
		664.5	106.9	6.65	115.8	7.97	126.1	9.25	137.0	10.53	141.0	10.70	146.6	11.03	150.6	11.11
	15	177.2	106.2	10.32	115.1	11.99	125.3	13.97	136.2	15.73	140.2	16.10	145.7	16.50	149.8	16.80
		221.5	106.2	10.11	115.1	11.79	125.3	13.74	136.2	15.48	140.2	15.85	145.7	16.24	149.8	16.54
		443.0	106.2	9.30	115.1	11.03	125.3	12.86	136.2	14.47	140.2	14.84	145.7	15.21	149.8	15.49
		553.8	106.2	9.05	115.1	10.80	125.3	12.57	136.2	14.20	140.2	14.54	145.7	14.93	149.8	15.11
		664.5	106.2	8.93	115.1	10.69	125.3	12.43	136.2	14.07	140.2	14.39	145.7	14.79	149.8	14.91
	20	177.2	105.7	12.65	114.4	14.71	124.6	17.11	135.5	19.30	139.5	19.75	145.0	20.23	149.0	20.58
		221.5	105.7	12.40	114.4	14.47	124.6	16.84	135.5	18.98	139.5	19.43	145.0	19.90	149.0	20.26
		443.0	105.7	11.40	114.4	13.53	124.6	15.76	135.5	17.75	139.5	18.17	145.0	18.63	149.0	18.98
		553.8	105.7	11.10	114.4	13.25	124.6	15.43	135.5	17.39	139.5	17.83	145.0	18.29	149.0	18.52
		664.5	105.7	10.95	114.4	13.10	124.6	15.26	135.5	17.21	139.5	17.67	145.0	18.13	149.0	18.29
	25	177.2	105.7	15.48	114.4	18.00	124.6	20.97	135.5	23.61	139.5	24.17	145.0	24.76	149.0	25.20
		221.5	105.7	15.18	114.4	17.71	124.6	20.63	135.5	23.23	139.5	23.78	145.0	24.37	149.0	24.81
		443.0	105.7	13.97	114.4	16.56	124.6	19.30	135.5	21.73	139.5	22.26	145.0	22.83	149.0	23.25
		553.8	105.7	13.58	114.4	16.20	124.6	18.90	135.5	21.30	139.5	21.82	145.0	22.40	149.0	22.67
		664.5	105.7	13.39	114.4	16.03	124.6	18.69	135.5	21.09	139.5	21.59	145.0	22.19	149.0	22.37
	30	177.2	105.7	18.88	114.4	21.94	124.6	25.56	135.5	28.78	139.5	29.48	145.0	30.17	149.0	30.73
		221.5	105.7	18.50	114.4	21.59	124.6	25.15	135.5	28.32	139.5	29.01	145.0	29.70	149.0	30.25
		443.0	105.7	17.02	114.4	20.19	124.6	23.50	135.5	26.47	139.5	27.13	145.0	27.82	149.0	28.33
		553.8	105.7	16.56	114.4	19.76	124.6	23.04	135.5	25.96	139.5	26.60	145.0	27.29	149.0	27.64
		664.5	105.7	16.33	114.4	19.55	124.6	22.81	135.5	25.70	139.5	26.33	145.0	27.02	149.0	27.30
	35	177.2	98.5	19.64	106.6	22.82	116.1	26.56	126.2	29.93	130.0	30.63	135.1	31.38	138.8	31.95
		221.5	98.5	19.25	106.6	22.45	116.1	26.14	126.2	29.45	130.0	30.14	135.1	30.88	138.8	31.45
		443.0	98.5	17.71	106.6	20.99	116.1	24.46	126.2	27.54	130.0	28.19	135.1	28.92	138.8	29.47
		553.8	98.5	17.21	106.6	20.54	116.1	23.94	126.2	26.99	130.0	27.68	135.1	28.37	138.8	28.74
		664.5	98.5	16.96	106.6	20.32	116.1	23.69	126.2	26.71	130.0	27.42	135.1	28.09	138.8	28.38
	40	177.2	91.2	21.57	98.8	25.08	107.6	29.19	117.0	32.86	120.5	33.65	125.2	34.47	128.6	35.10
		221.5	91.2	21.14	98.8	24.67	107.6	28.72	117.0	32.34	120.5	33.11	125.2	33.93	128.6	34.55
		443.0	91.2	19.44	98.8	23.06	107.6	26.86	117.0	30.25	120.5	30.97	125.2	31.79	128.6	32.37
		553.8	91.2	18.90	98.8	22.56	107.6	26.32	117.0	29.64	120.5	30.41	125.2	31.19	128.6	31.56
		664.5	91.2	18.62	98.8	22.31	107.6	26.04	117.0	29.34	120.5	30.12	125.2	30.88	128.6	31.15
	45	177.2	84.0	23.50	91.1	27.33	99.1	31.82	107.8	35.79	111.0	36.68	115.2	37.56	118.4	38.25
		221.5	84.0	23.04	91.1	26.88	99.1	31.31	107.8	35.22	111.0	36.09	115.2	36.98	118.4	37.65
		443.0	84.0	21.18	91.1	25.13	99.1	29.27	107.8	32.95	111.0	33.75	115.2	34.66	118.4	35.28
		553.8	84.0	20.58	91.1	24.58	99.1	28.69	107.8	32.30	111.0	33.13	115.2	34.00	118.4	34.37
		664.5	84.0	20.28	91.1	24.30	99.1	28.39	107.8	31.97	111.0	32.82	115.2	33.67	118.4	33.92
100	10	177.2	100.5	7.29	108.8	8.46	118.5	9.79	128.8	11.09	132.7	11.30	137.8	11.63	141.7	11.81
		221.5	100.5	7.14	108.8	8.32	118.5	9.64	128.8	10.91	132.7	11.12	137.8	11.43	141.7	11.62
		443.0	100.5	6.56	108.8	7.77	118.5	9.01	128.8	10.19	132.7	10.41	137.8	10.66	141.7	10.87
		553.8	100.5	6.34	108.8	7.58	118.5	8.84	128.8	9.97	132.7	10.22	137.8	10.46	141.7	10.56
		664.5	100.5	6.22	108.8	7.48	118.5	8.75	128.8	9.86	132.7	10.13	137.8	10.35	141.7	10.40
	15	177.2	100.5	9.85	108.8	11.43	118.5	13.30	128.8	14.99	132.7	15.33	137.8	15.73	141.7	16.00
		221.5	100.5	9.65	108.8	11.25	118.5	13.09	128.8	14.75	132.7	15.09	137.8	15.48	141.7	15.74
		443.0	100.5	8.87	108.8	10.52	118.5	12.24	128.8	13.80	132.7	14.11	137.8	14.47	141.7	14.74
		553.8	100.5	8.61	108.8	10.29	118.5	11.99	128.8	13.51	132.7	13.85	137.8	14.20	141.7	14.34
		664.5	100.5	8.47	108.8	10.17	118.5	11.86	128.8	13.37	132.7	13.71	137.8	14.07	141.7	14.15

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	177.2	100.5	12.12	108.8	14.07	118.5	16.42	128.8	18.46	132.7	18.92	137.8	19.38	141.7	19.72
		221.5	100.5	11.88	108.8	13.85	118.5	16.15	128.8	18.17	132.7	18.61	137.8	19.07	141.7	19.41
		443.0	100.5	10.93	108.8	12.96	118.5	15.11	128.8	17.00	132.7	17.41	137.8	17.85	141.7	18.17
		553.8	100.5	10.62	108.8	12.70	118.5	14.79	128.8	16.66	132.7	17.07	137.8	17.53	141.7	17.71
		664.5	100.5	10.47	108.8	12.56	118.5	14.63	128.8	16.50	132.7	16.90	137.8	17.37	141.7	17.48
	25	177.2	100.5	14.78	108.8	17.17	118.5	20.02	128.8	22.54	132.7	23.08	137.8	23.65	141.7	24.06
		221.5	100.5	14.49	108.8	16.89	118.5	19.69	128.8	22.17	132.7	22.70	137.8	23.27	141.7	23.68
		443.0	100.5	13.34	108.8	15.80	118.5	18.40	128.8	20.72	132.7	21.23	137.8	21.76	141.7	22.17
		553.8	100.5	12.96	108.8	15.48	118.5	18.03	128.8	20.31	132.7	20.82	137.8	21.36	141.7	21.59
		664.5	100.5	12.78	108.8	15.32	118.5	17.84	128.8	20.11	132.7	20.62	137.8	21.15	141.7	21.29
	30	177.2	100.5	18.17	108.8	21.15	118.5	24.63	128.8	27.72	132.7	28.39	137.8	29.06	141.7	29.60
		221.5	100.5	17.81	108.8	20.81	118.5	24.23	128.8	27.27	132.7	27.93	137.8	28.60	141.7	29.13
		443.0	100.5	16.40	108.8	19.44	118.5	22.63	128.8	25.50	132.7	26.10	137.8	26.78	141.7	27.27
		553.8	100.5	15.94	108.8	19.04	118.5	22.17	128.8	25.00	132.7	25.63	137.8	26.28	141.7	26.55
		664.5	100.5	15.71	108.8	18.83	118.5	21.94	128.8	24.76	132.7	25.39	137.8	26.03	141.7	26.18
	35	177.2	95.5	19.19	103.4	22.30	112.6	25.97	122.4	29.25	126.0	29.95	130.9	30.68	134.6	31.24
		221.5	95.5	18.81	103.4	21.94	112.6	25.55	122.4	28.78	126.0	29.47	130.9	30.19	134.6	30.74
		443.0	95.5	17.30	103.4	20.53	112.6	23.91	122.4	26.92	126.0	27.55	130.9	28.26	134.6	28.78
		553.8	95.5	16.84	103.4	20.08	112.6	23.41	122.4	26.40	126.0	27.04	130.9	27.73	134.6	28.01
		664.5	95.5	16.61	103.4	19.86	112.6	23.16	122.4	26.15	126.0	26.78	130.9	27.46	134.6	27.63
	40	177.2	90.4	21.54	97.9	25.04	106.6	29.16	115.9	32.83	119.4	33.60	124.1	34.43	127.5	35.03
		221.5	90.4	21.11	97.9	24.63	106.6	28.69	115.9	32.30	119.4	33.06	124.1	33.88	127.5	34.48
		443.0	90.4	19.41	97.9	23.02	106.6	26.81	115.9	30.19	119.4	30.92	124.1	31.70	127.5	32.28
		553.8	90.4	18.88	97.9	22.53	106.6	26.26	115.9	29.61	119.4	30.33	124.1	31.11	127.5	31.43
		664.5	90.4	18.61	97.9	22.28	106.6	25.99	115.9	29.31	119.4	30.04	124.1	30.82	127.5	31.01
	45	177.2	85.4	23.89	92.4	27.78	100.7	32.35	109.5	36.42	112.8	37.26	117.2	38.17	120.4	38.83
		221.5	85.4	23.41	92.4	27.32	100.7	31.82	109.5	35.82	112.8	36.66	117.2	37.56	120.4	38.21
		443.0	85.4	21.51	92.4	25.52	100.7	29.72	109.5	33.47	112.8	34.28	117.2	35.13	120.4	35.79
		553.8	85.4	20.92	92.4	24.97	100.7	29.12	109.5	32.81	112.8	33.63	117.2	34.49	120.4	34.85
		664.5	85.4	20.62	92.4	24.70	100.7	28.81	109.5	32.48	112.8	33.30	117.2	34.17	120.4	34.38
90	10	177.2	90.4	6.21	97.9	7.23	106.6	8.42	115.9	9.52	119.4	9.70	124.1	9.91	127.5	10.18
		221.5	90.4	6.10	97.9	7.12	106.6	8.29	115.9	9.37	119.4	9.55	124.1	9.77	127.5	10.02
		443.0	90.4	5.62	97.9	6.68	106.6	7.78	115.9	8.76	119.4	8.96	124.1	9.22	127.5	9.37
		553.8	90.4	5.47	97.9	6.49	106.6	7.62	115.9	8.55	119.4	8.79	124.1	9.05	127.5	9.07
		664.5	90.4	5.39	97.9	6.39	106.6	7.53	115.9	8.44	119.4	8.71	124.1	8.97	127.5	8.93
	15	177.2	90.4	8.45	97.9	9.82	106.6	11.44	115.9	12.91	119.4	13.19	124.1	13.51	127.5	13.78
		221.5	90.4	8.29	97.9	9.67	106.6	11.26	115.9	12.70	119.4	12.98	124.1	13.30	127.5	13.57
		443.0	90.4	7.63	97.9	9.05	106.6	10.54	115.9	11.87	119.4	12.15	124.1	12.47	127.5	12.70
		553.8	90.4	7.42	97.9	8.84	106.6	10.33	115.9	11.62	119.4	11.92	124.1	12.24	127.5	12.34
		664.5	90.4	7.31	97.9	8.73	106.6	10.22	115.9	11.49	119.4	11.80	124.1	12.12	127.5	12.16
	20	177.2	90.4	10.44	97.9	12.13	106.6	14.13	115.9	15.91	119.4	16.29	124.1	16.71	127.5	16.98
		221.5	90.4	10.24	97.9	11.94	106.6	13.90	115.9	15.66	119.4	16.03	124.1	16.43	127.5	16.72
		443.0	90.4	9.42	97.9	11.16	106.6	12.98	115.9	14.63	119.4	14.98	124.1	15.35	127.5	15.66
		553.8	90.4	9.16	97.9	10.93	106.6	12.73	115.9	14.34	119.4	14.70	124.1	15.07	127.5	15.25
		664.5	90.4	9.02	97.9	10.81	106.6	12.61	115.9	14.20	119.4	14.56	124.1	14.93	127.5	15.04
	25	177.2	90.4	12.72	97.9	14.80	106.6	17.22	115.9	19.40	119.4	19.85	124.1	20.35	127.5	20.71
		221.5	90.4	12.47	97.9	14.56	106.6	16.95	115.9	19.09	119.4	19.53	124.1	20.03	127.5	20.38
		443.0	90.4	11.48	97.9	13.60	106.6	15.85	115.9	17.85	119.4	18.27	124.1	18.75	127.5	19.07
		553.8	90.4	11.16	97.9	13.30	106.6	15.53	115.9	17.50	119.4	17.94	124.1	18.40	127.5	18.58
		664.5	90.4	11.00	97.9	13.15	106.6	15.37	115.9	17.32	119.4	17.77	124.1	18.22	127.5	18.33
	30	177.2	90.4	15.65	97.9	18.20	106.6	21.18	115.9	23.87	119.4	24.42	124.1	25.04	127.5	25.48
		221.5	90.4	15.34	97.9	17.90	106.6	20.84	115.9	23.48	119.4	24.03	124.1	24.63	127.5	25.08
		443.0	90.4	14.11	97.9	16.72	106.6	19.50	115.9	21.94	119.4	22.49	124.1	23.04	127.5	23.46
		553.8	90.4	13.72	97.9	16.38	106.6	19.09	115.9	21.53	119.4	22.05	124.1	22.63	127.5	22.85
		664.5	90.4	13.53	97.9	16.21	106.6	18.88	115.9	21.33	119.4	21.82	124.1	22.43	127.5	22.54
	35	177.2	87.9	16.90	95.2	19.62	103.7	22.86	112.7	25.74	116.1	26.35	120.6	26.99	124.0	27.48
		221.5	87.9	16.56	95.2	19.30	103.7	22.49	112.7	25.32	116.1	25.92	120.6	26.56	124.0	27.04
		443.0	87.9	15.21	95.2	18.04	103.7	21.04	112.7	23.68	116.1	24.24	120.6	24.86	124.0	25.32
		553.8	87.9	14.80	95.2	17.67	103.7	20.59	112.7	23.22	116.1	23.80	120.6	24.40	124.0	24.65
		664.5	87.9	14.60	95.2	17.49	103.7	20.37	112.7	22.99	116.1	23.58	120.6	24.17	124.0	24.31
	40	177.2	85.4	19.41	92.5	22.53	100.7	26.25	109.5	29.57	112.8	30.27	117.1	31.00	120.4	31.56
		221.5	85.4	19.02	92.5	22.17	100.7	25.84	109.5	29.10	112.8	29.79	117.1	30.51	120.4	31.06
		443.0	85.4	17.50	92.5	20.74	100.7	24.17	109.5	27.20	112.8	27.86	117.1	28.56	120.4	29.10
		553.8	85.4	17.00	92.5	20.30	100.7	23.68	109.5	26.67	112.8	27.32	117.1	28.03	120.4	28.32
		664.5	85.4	16.75	92.5	20.07	100.7	23.43	109.5	26.41	112.8	27.06	117.1	27.77	120.4	27.93

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	177.2	82.9	21.91	89.8	25.45	97.8	29.65	106.2	33.41	109.5	34.20	113.7	35.02	116.9	35.64
		221.5	82.9	21.48	89.8	25.04	97.8	29.18	106.2	32.87	109.5	33.65	113.7	34.46	116.9	35.08
		443.0	82.9	19.78	89.8	23.43	97.8	27.31	106.2	30.72	109.5	31.47	113.7	32.26	116.9	32.87
		553.8	82.9	19.19	89.8	22.92	97.8	26.76	106.2	30.12	109.5	30.85	113.7	31.67	116.9	31.98
		664.5	82.9	18.90	89.8	22.66	97.8	26.48	106.2	29.82	109.5	30.53	113.7	31.37	116.9	31.54
80	10	177.2	80.4	5.26	87.0	6.06	94.8	7.05	103.0	7.99	106.1	8.15	110.3	8.37	113.3	8.47
		221.5	80.4	5.15	87.0	5.98	94.8	6.95	103.0	7.86	106.1	8.02	110.3	8.23	113.3	8.34
		443.0	80.4	4.72	87.0	5.63	94.8	6.53	103.0	7.32	106.1	7.51	110.3	7.66	113.3	7.81
		553.8	80.4	4.62	87.0	5.47	94.8	6.41	103.0	7.21	106.1	7.35	110.3	7.56	113.3	7.61
		664.5	80.4	4.58	87.0	5.39	94.8	6.35	103.0	7.15	106.1	7.27	110.3	7.51	113.3	7.51
	15	177.2	80.4	7.10	87.0	8.24	94.8	9.59	103.0	10.82	106.1	11.07	110.3	11.34	113.3	11.53
		221.5	80.4	6.96	87.0	8.11	94.8	9.44	103.0	10.64	106.1	10.89	110.3	11.16	113.3	11.35
		443.0	80.4	6.39	87.0	7.60	94.8	8.84	103.0	9.93	106.1	10.18	110.3	10.43	113.3	10.62
		553.8	80.4	6.23	87.0	7.42	94.8	8.66	103.0	9.76	106.1	9.99	110.3	10.25	113.3	10.34
		664.5	80.4	6.15	87.0	7.33	94.8	8.57	103.0	9.67	106.1	9.89	110.3	10.16	113.3	10.20
	20	177.2	80.4	8.74	87.0	10.17	94.8	11.85	103.0	13.34	106.1	13.66	110.3	13.98	113.3	14.25
		221.5	80.4	8.57	87.0	10.01	94.8	11.65	103.0	13.12	106.1	13.44	110.3	13.76	113.3	14.03
		443.0	80.4	7.88	87.0	9.35	94.8	10.89	103.0	12.25	106.1	12.56	110.3	12.89	113.3	13.12
		553.8	80.4	7.67	87.0	9.16	94.8	10.66	103.0	12.02	106.1	12.33	110.3	12.65	113.3	12.77
		664.5	80.4	7.56	87.0	9.06	94.8	10.54	103.0	11.91	106.1	12.21	110.3	12.52	113.3	12.59
	25	177.2	80.4	10.68	87.0	12.40	94.8	14.43	103.0	16.25	106.1	16.65	110.3	17.06	113.3	17.36
		221.5	80.4	10.47	87.0	12.20	94.8	14.20	103.0	15.99	106.1	16.38	110.3	16.79	113.3	17.09
		443.0	80.4	9.62	87.0	11.40	94.8	13.28	103.0	14.97	106.1	15.32	110.3	15.71	113.3	15.99
		553.8	80.4	9.35	87.0	11.16	94.8	13.02	103.0	14.66	106.1	15.03	110.3	15.43	113.3	15.57
		664.5	80.4	9.22	87.0	11.03	94.8	12.88	103.0	14.51	106.1	14.89	110.3	15.28	113.3	15.35
	30	177.2	80.4	13.11	87.0	15.24	94.8	17.77	103.0	20.00	106.1	20.46	110.3	20.96	113.3	21.36
		221.5	80.4	12.86	87.0	15.00	94.8	17.48	103.0	19.67	106.1	20.13	110.3	20.63	113.3	21.02
		443.0	80.4	11.83	87.0	14.03	94.8	16.35	103.0	18.40	106.1	18.84	110.3	19.32	113.3	19.67
		553.8	80.4	11.51	87.0	13.72	94.8	15.99	103.0	18.04	106.1	18.49	110.3	18.95	113.3	19.16
		664.5	80.4	11.35	87.0	13.57	94.8	15.81	103.0	17.87	106.1	18.31	110.3	18.76	113.3	18.90
	35	177.2	80.4	14.58	87.0	16.94	94.8	19.72	103.0	22.23	106.1	22.77	110.3	23.33	113.3	23.74
		221.5	80.4	14.29	87.0	16.66	94.8	19.41	103.0	21.87	106.1	22.40	110.3	22.95	113.3	23.36
		443.0	80.4	13.16	87.0	15.58	94.8	18.17	103.0	20.45	106.1	20.93	110.3	21.46	113.3	21.85
		553.8	80.4	12.79	87.0	15.25	94.8	17.80	103.0	20.05	106.1	20.54	110.3	21.07	113.3	21.27
		664.5	80.4	12.60	87.0	15.08	94.8	17.61	103.0	19.84	106.1	20.35	110.3	20.88	113.3	20.97
	40	177.2	80.4	17.27	87.0	20.07	94.8	23.38	103.0	26.33	106.1	26.95	110.3	27.61	113.3	28.09
		221.5	80.4	16.93	87.0	19.75	94.8	23.00	103.0	25.91	106.1	26.51	110.3	27.17	113.3	27.64
		443.0	80.4	15.57	87.0	18.45	94.8	21.50	103.0	24.23	106.1	24.77	110.3	25.41	113.3	25.87
		553.8	80.4	15.12	87.0	18.06	94.8	21.05	103.0	23.73	106.1	24.31	110.3	24.95	113.3	25.20
		664.5	80.4	14.90	87.0	17.87	94.8	20.83	103.0	23.48	106.1	24.08	110.3	24.72	113.3	24.86
	45	177.2	80.4	19.97	87.0	23.21	94.8	27.04	103.0	30.44	106.1	31.12	110.3	31.89	113.3	32.44
		221.5	80.4	19.57	87.0	22.83	94.8	26.60	103.0	29.95	106.1	30.62	110.3	31.38	113.3	31.93
		443.0	80.4	17.98	87.0	21.32	94.8	24.83	103.0	28.00	106.1	28.62	110.3	29.36	113.3	29.89
		553.8	80.4	17.46	87.0	20.88	94.8	24.31	103.0	27.41	106.1	28.09	110.3	28.83	113.3	29.13
		664.5	80.4	17.20	87.0	20.66	94.8	24.05	103.0	27.12	106.1	27.82	110.3	28.56	113.3	28.75
70	10	177.2	70.3	4.32	76.1	5.05	83.0	5.87	90.1	6.60	92.8	6.79	96.5	6.96	99.2	7.05
		221.5	70.3	4.24	76.1	4.97	83.0	5.77	90.1	6.50	92.8	6.68	96.5	6.85	99.2	6.95
		443.0	70.3	3.92	76.1	4.65	83.0	5.38	90.1	6.10	92.8	6.25	96.5	6.43	99.2	6.53
		553.8	70.3	3.82	76.1	4.53	83.0	5.30	90.1	5.98	92.8	6.11	96.5	6.27	99.2	6.35
		664.5	70.3	3.77	76.1	4.47	83.0	5.26	90.1	5.91	92.8	6.04	96.5	6.19	99.2	6.27
	15	177.2	70.3	5.89	76.1	6.86	83.0	7.97	90.1	8.98	92.8	9.20	96.5	9.43	99.2	9.59
		221.5	70.3	5.77	76.1	6.75	83.0	7.84	90.1	8.84	92.8	9.05	96.5	9.28	99.2	9.44
		443.0	70.3	5.31	76.1	6.30	83.0	7.33	90.1	8.27	92.8	8.47	96.5	8.70	99.2	8.84
		553.8	70.3	5.17	76.1	6.16	83.0	7.19	90.1	8.11	92.8	8.30	96.5	8.52	99.2	8.61
		664.5	70.3	5.10	76.1	6.09	83.0	7.12	90.1	8.03	92.8	8.22	96.5	8.43	99.2	8.49
	20	177.2	70.3	7.29	76.1	8.46	83.0	9.84	90.1	11.09	92.8	11.34	96.5	11.62	99.2	11.85
		221.5	70.3	7.14	76.1	8.32	83.0	9.69	90.1	10.91	92.8	11.16	96.5	11.44	99.2	11.65
		443.0	70.3	6.55	76.1	7.78	83.0	9.07	90.1	10.20	92.8	10.43	96.5	10.71	99.2	10.89
		553.8	70.3	6.38	76.1	7.61	83.0	8.87	90.1	10.01	92.8	10.25	96.5	10.52	99.2	10.61
		664.5	70.3	6.29	76.1	7.53	83.0	8.78	90.1	9.91	92.8	10.16	96.5	10.42	99.2	10.47
	25	177.2	70.3	8.87	76.1	10.32	83.0	12.00	90.1	13.52	92.8	13.84	96.5	14.18	99.2	14.43
		221.5	70.3	8.70	76.1	10.15	83.0	11.81	90.1	13.30	92.8	13.62	96.5	13.95	99.2	14.20
		443.0	70.3	8.01	76.1	9.47	83.0	11.05	90.1	12.43	92.8	12.73	96.5	13.07	99.2	13.30
		553.8	70.3	7.78	76.1	9.28	83.0	10.82	90.1	12.20	92.8	12.48	96.5	12.80	99.2	12.94
		664.5	70.3	7.66	76.1	9.18	83.0	10.71	90.1	12.09	92.8	12.36	96.5	12.67	99.2	12.77

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	177.2	70.3	10.92	76.1	12.67	83.0	14.76	90.1	16.63	92.8	17.03	96.5	17.44	99.2	17.77
		221.5	70.3	10.70	76.1	12.47	83.0	14.52	90.1	16.36	92.8	16.75	96.5	17.16	99.2	17.48
		443.0	70.3	9.83	76.1	11.65	83.0	13.58	90.1	15.30	92.8	15.67	96.5	16.06	99.2	16.35
		553.8	70.3	9.56	76.1	11.42	83.0	13.30	90.1	15.00	92.8	15.37	96.5	15.76	99.2	15.94
		664.5	70.3	9.43	76.1	11.31	83.0	13.16	90.1	14.85	92.8	15.22	96.5	15.61	99.2	15.73
	35	177.2	70.3	12.12	76.1	14.07	83.0	16.42	90.1	18.46	92.8	18.92	96.5	19.38	99.2	19.72
		221.5	70.3	11.88	76.1	13.85	83.0	16.15	90.1	18.17	92.8	18.61	96.5	19.07	99.2	19.41
		443.0	70.3	10.93	76.1	12.96	83.0	15.09	90.1	17.00	92.8	17.41	96.5	17.85	99.2	18.17
		553.8	70.3	10.62	76.1	12.68	83.0	14.79	90.1	16.66	92.8	17.07	96.5	17.52	99.2	17.71
		664.5	70.3	10.47	76.1	12.53	83.0	14.64	90.1	16.50	92.8	16.90	96.5	17.35	99.2	17.48
	40	177.2	70.3	14.36	76.1	16.66	83.0	19.44	90.1	21.89	92.8	22.41	96.5	22.95	99.2	23.35
		221.5	70.3	14.08	76.1	16.40	83.0	19.13	90.1	21.53	92.8	22.05	96.5	22.58	99.2	22.99
		443.0	70.3	12.94	76.1	15.35	83.0	17.89	90.1	20.13	92.8	20.61	96.5	21.13	99.2	21.53
		553.8	70.3	12.57	76.1	15.02	83.0	17.50	90.1	19.73	92.8	20.22	96.5	20.76	99.2	20.95
		664.5	70.3	12.39	76.1	14.85	83.0	17.30	90.1	19.52	92.8	20.03	96.5	20.57	99.2	20.66
	45	177.2	70.3	16.60	76.1	19.25	83.0	22.46	90.1	25.31	92.8	25.90	96.5	26.51	99.2	26.99
		221.5	70.3	16.27	76.1	18.95	83.0	22.10	90.1	24.90	92.8	25.48	96.5	26.09	99.2	26.57
		443.0	70.3	14.96	76.1	17.74	83.0	20.69	90.1	23.27	92.8	23.82	96.5	24.40	99.2	24.90
		553.8	70.3	14.52	76.1	17.36	83.0	20.20	90.1	22.79	92.8	23.37	96.5	24.00	99.2	24.19
		664.5	70.3	14.30	76.1	17.17	83.0	19.96	90.1	22.55	92.8	23.15	96.5	23.79	99.2	23.83
60	10	177.2	60.3	3.46	65.3	4.00	71.1	4.66	77.3	5.29	79.6	5.42	82.7	5.51	85.0	5.64
		221.5	60.3	3.39	65.3	3.93	71.1	4.59	77.3	5.20	79.6	5.33	82.7	5.43	85.0	5.55
		443.0	60.3	3.12	65.3	3.68	71.1	4.33	77.3	4.84	79.6	4.97	82.7	5.11	85.0	5.20
		553.8	60.3	3.01	65.3	3.65	71.1	4.24	77.3	4.77	79.6	4.89	82.7	4.99	85.0	5.08
		664.5	60.3	2.96	65.3	3.63	71.1	4.20	77.3	4.74	79.6	4.85	82.7	4.93	85.0	5.02
	15	177.2	60.3	4.70	65.3	5.46	71.1	6.35	77.3	7.16	79.6	7.35	82.7	7.50	85.0	7.65
		221.5	60.3	4.60	65.3	5.37	71.1	6.25	77.3	7.05	79.6	7.23	82.7	7.38	85.0	7.53
		443.0	60.3	4.23	65.3	5.01	71.1	5.86	77.3	6.59	79.6	6.75	82.7	6.92	85.0	7.05
		553.8	60.3	4.11	65.3	4.92	71.1	5.74	77.3	6.46	79.6	6.62	82.7	6.78	85.0	6.87
		664.5	60.3	4.04	65.3	4.88	71.1	5.67	77.3	6.40	79.6	6.56	82.7	6.71	85.0	6.78
	20	177.2	60.3	5.80	65.3	6.75	71.1	7.85	77.3	8.83	79.6	9.06	82.7	9.27	85.0	9.43
		221.5	60.3	5.69	65.3	6.64	71.1	7.72	77.3	8.70	79.6	8.91	82.7	9.12	85.0	9.28
		443.0	60.3	5.23	65.3	6.20	71.1	7.23	77.3	8.15	79.6	8.32	82.7	8.53	85.0	8.70
		553.8	60.3	5.08	65.3	6.06	71.1	7.07	77.3	7.97	79.6	8.16	82.7	8.38	85.0	8.47
		664.5	60.3	5.01	65.3	5.99	71.1	6.98	77.3	7.88	79.6	8.08	82.7	8.30	85.0	8.35
	25	177.2	60.3	7.06	65.3	8.23	71.1	9.58	77.3	10.78	79.6	11.03	82.7	11.30	85.0	11.52
		221.5	60.3	6.92	65.3	8.09	71.1	9.42	77.3	10.61	79.6	10.85	82.7	11.12	85.0	11.33
		443.0	60.3	6.38	65.3	7.56	71.1	8.80	77.3	9.92	79.6	10.15	82.7	10.41	85.0	10.61
		553.8	60.3	6.20	65.3	7.38	71.1	8.62	77.3	9.70	79.6	9.97	82.7	10.22	85.0	10.33
		664.5	60.3	6.11	65.3	7.29	71.1	8.53	77.3	9.60	79.6	9.88	82.7	10.12	85.0	10.18
	30	177.2	60.3	8.69	65.3	10.09	71.1	11.77	77.3	13.24	79.6	13.57	82.7	13.89	85.0	14.16
		221.5	60.3	8.52	65.3	9.93	71.1	11.58	77.3	13.03	79.6	13.35	82.7	13.67	85.0	13.94
		443.0	60.3	7.84	65.3	9.30	71.1	10.84	77.3	12.20	79.6	12.48	82.7	12.80	85.0	13.03
		553.8	60.3	7.61	65.3	9.10	71.1	10.61	77.3	11.97	79.6	12.25	82.7	12.57	85.0	12.70
		664.5	60.3	7.50	65.3	9.01	71.1	10.49	77.3	11.86	79.6	12.14	82.7	12.46	85.0	12.53
	35	177.2	60.3	9.67	65.3	11.23	71.1	13.09	77.3	14.72	79.6	15.08	82.7	15.46	85.0	15.73
		221.5	60.3	9.47	65.3	11.05	71.1	12.88	77.3	14.49	79.6	14.84	82.7	15.21	85.0	15.48
		443.0	60.3	8.71	65.3	10.33	71.1	12.02	77.3	13.57	79.6	13.88	82.7	14.22	85.0	14.49
		553.8	60.3	8.47	65.3	10.11	71.1	11.79	77.3	13.28	79.6	13.62	82.7	13.97	85.0	14.11
		664.5	60.3	8.34	65.3	10.00	71.1	11.68	77.3	13.14	79.6	13.48	82.7	13.85	85.0	13.93
	40	177.2	60.3	11.43	65.3	13.30	71.1	15.50	77.3	17.44	79.6	17.85	82.7	18.28	85.0	18.65
		221.5	60.3	11.21	65.3	13.09	71.1	15.25	77.3	17.16	79.6	17.57	82.7	17.99	85.0	18.35
		443.0	60.3	10.33	65.3	12.24	71.1	14.26	77.3	16.04	79.6	16.43	82.7	16.84	85.0	17.16
		553.8	60.3	10.02	65.3	11.97	71.1	13.97	77.3	15.72	79.6	16.12	82.7	16.54	85.0	16.70
		664.5	60.3	9.87	65.3	11.84	71.1	13.83	77.3	15.56	79.6	15.96	82.7	16.39	85.0	16.47
	45	177.2	60.3	13.20	65.3	15.36	71.1	17.91	77.3	20.17	79.6	20.63	82.7	21.10	85.0	21.56
		221.5	60.3	12.94	65.3	15.12	71.1	17.62	77.3	19.84	79.6	20.30	82.7	20.77	85.0	21.22
		443.0	60.3	11.94	65.3	14.15	71.1	16.49	77.3	18.52	79.6	18.98	82.7	19.46	85.0	19.84
		553.8	60.3	11.58	65.3	13.83	71.1	16.15	77.3	18.17	79.6	18.61	82.7	19.11	85.0	19.29
		664.5	60.3	11.40	65.3	13.67	71.1	15.98	77.3	17.99	79.6	18.43	82.7	18.93	85.0	19.01
50	10	177.2	50.3	2.59	54.4	2.97	59.2	3.52	64.4	3.90	66.4	4.02	68.9	4.12	70.8	4.21
		221.5	50.3	2.54	54.4	2.93	59.2	3.46	64.4	3.85	66.4	3.97	68.9	4.05	70.8	4.14
		443.0	50.3	2.31	54.4	2.76	59.2	3.24	64.4	3.65	66.4	3.75	68.9	3.78	70.8	3.85
		553.8	50.3	2.25	54.4	2.75	59.2	3.17	64.4	3.54	66.4	3.61	68.9	3.73	70.8	3.76
		664.5	50.3	2.21	54.4	2.74	59.2	3.13	64.4	3.49	66.4	3.53	68.9	3.71	70.8	3.71

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	177.2	50.3	3.51	54.4	4.07	59.2	4.75	64.4	5.32	66.4	5.47	68.9	5.60	70.8	5.71
		221.5	50.3	3.43	54.4	4.00	59.2	4.68	64.4	5.24	66.4	5.38	68.9	5.51	70.8	5.61
		443.0	50.3	3.15	54.4	3.74	59.2	4.37	64.4	4.92	66.4	5.05	68.9	5.15	70.8	5.24
		553.8	50.3	3.06	54.4	3.68	59.2	4.29	64.4	4.82	66.4	4.92	68.9	5.06	70.8	5.12
		664.5	50.3	3.02	54.4	3.66	59.2	4.24	64.4	4.76	66.4	4.86	68.9	5.02	70.8	5.05
	20	177.2	50.3	4.32	54.4	5.05	59.2	5.85	64.4	6.59	66.4	6.75	68.9	6.91	70.8	7.04
		221.5	50.3	4.23	54.4	4.96	59.2	5.75	64.4	6.48	66.4	6.64	68.9	6.80	70.8	6.92
		443.0	50.3	3.90	54.4	4.60	59.2	5.38	64.4	6.06	66.4	6.20	68.9	6.38	70.8	6.48
		553.8	50.3	3.79	54.4	4.52	59.2	5.28	64.4	5.95	66.4	6.09	68.9	6.25	70.8	6.32
		664.5	50.3	3.73	54.4	4.47	59.2	5.22	64.4	5.90	66.4	6.04	68.9	6.19	70.8	6.24
	25	177.2	50.3	5.26	54.4	6.12	59.2	7.12	64.4	8.05	66.4	8.23	68.9	8.42	70.8	8.56
		221.5	50.3	5.15	54.4	6.02	59.2	7.01	64.4	7.92	66.4	8.09	68.9	8.29	70.8	8.43
		443.0	50.3	4.75	54.4	5.63	59.2	6.57	64.4	7.38	66.4	7.56	68.9	7.76	70.8	7.92
		553.8	50.3	4.60	54.4	5.51	59.2	6.43	64.4	7.24	66.4	7.42	68.9	7.61	70.8	7.70
		664.5	50.3	4.53	54.4	5.44	59.2	6.36	64.4	7.17	66.4	7.35	68.9	7.54	70.8	7.60
	30	177.2	50.3	6.49	54.4	7.55	59.2	8.79	64.4	9.90	66.4	10.14	68.9	10.36	70.8	10.55
		221.5	50.3	6.36	54.4	7.42	59.2	8.64	64.4	9.74	66.4	9.97	68.9	10.20	70.8	10.38
		443.0	50.3	5.84	54.4	6.92	59.2	8.07	64.4	9.10	66.4	9.30	68.9	9.56	70.8	9.70
		553.8	50.3	5.69	54.4	6.78	59.2	7.92	64.4	8.93	66.4	9.14	68.9	9.37	70.8	9.47
		664.5	50.3	5.61	54.4	6.71	59.2	7.84	64.4	8.84	66.4	9.06	68.9	9.27	70.8	9.36
	35	177.2	50.3	7.21	54.4	8.37	59.2	9.76	64.4	10.98	66.4	11.25	68.9	11.52	70.8	11.71
		221.5	50.3	7.07	54.4	8.24	59.2	9.60	64.4	10.80	66.4	11.07	68.9	11.33	70.8	11.53
		443.0	50.3	6.50	54.4	7.70	59.2	8.98	64.4	10.11	66.4	10.34	68.9	10.61	70.8	10.80
		553.8	50.3	6.32	54.4	7.55	59.2	8.78	64.4	9.92	66.4	10.15	68.9	10.41	70.8	10.52
		664.5	50.3	6.23	54.4	7.47	59.2	8.69	64.4	9.82	66.4	10.05	68.9	10.32	70.8	10.38
	40	177.2	50.3	8.55	54.4	9.92	59.2	11.56	64.4	13.01	66.4	13.32	68.9	13.64	70.8	13.89
		221.5	50.3	8.38	54.4	9.76	59.2	11.37	64.4	12.80	66.4	13.11	68.9	13.42	70.8	13.67
		443.0	50.3	7.69	54.4	9.12	59.2	10.62	64.4	11.97	66.4	12.25	68.9	12.57	70.8	12.79
		553.8	50.3	7.47	54.4	8.93	59.2	10.41	64.4	11.74	66.4	12.02	68.9	12.33	70.8	12.45
		664.5	50.3	7.37	54.4	8.83	59.2	10.31	64.4	11.63	66.4	11.91	68.9	12.20	70.8	12.28
	45	177.2	50.3	9.89	54.4	11.47	59.2	13.36	64.4	15.05	66.4	15.39	68.9	15.76	70.8	16.08
		221.5	50.3	9.69	54.4	11.28	59.2	13.14	64.4	14.80	66.4	15.14	68.9	15.51	70.8	15.81
		443.0	50.3	8.87	54.4	10.54	59.2	12.27	64.4	13.83	66.4	14.17	68.9	14.54	70.8	14.77
		553.8	50.3	8.62	54.4	10.31	59.2	12.04	64.4	13.57	66.4	13.90	68.9	14.24	70.8	14.38
		664.5	50.3	8.50	54.4	10.19	59.2	11.93	64.4	13.43	66.4	13.77	68.9	14.09	70.8	14.18

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(48HP)

ARWN480LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	184.8	124.9	9.04	135.3	10.55	147.3	12.31	160.1	13.82	164.9	14.14	171.3	14.54	176.2	14.79
		231.0	124.9	8.87	135.3	10.37	147.3	12.11	160.1	13.60	164.9	13.92	171.3	14.31	176.2	14.56
		462.0	124.9	8.21	135.3	9.68	147.3	11.29	160.1	12.72	164.9	13.06	171.3	13.38	176.2	13.66
		577.5	124.9	7.96	135.3	9.49	147.3	11.08	160.1	12.44	164.9	12.79	171.3	13.11	176.2	13.33
		693.0	124.9	7.83	135.3	9.39	147.3	10.97	160.1	12.31	164.9	12.65	171.3	12.98	176.2	13.16
	15	184.8	122.9	11.90	133.1	13.85	144.9	16.15	157.5	18.16	162.3	18.59	168.6	19.06	173.3	19.39
		231.0	122.9	11.67	133.1	13.63	144.9	15.89	157.5	17.86	162.3	18.29	168.6	18.76	173.3	19.10
		462.0	122.9	10.75	133.1	12.73	144.9	14.84	157.5	16.71	162.3	17.14	168.6	17.58	173.3	17.94
		577.5	122.9	10.45	133.1	12.47	144.9	14.54	157.5	16.37	162.3	16.80	168.6	17.23	173.3	17.53
		693.0	122.9	10.30	133.1	12.34	144.9	14.39	157.5	16.20	162.3	16.63	168.6	17.05	173.3	17.32
	20	184.8	121.1	14.44	131.2	16.79	142.9	19.56	155.3	22.01	159.9	22.53	166.1	23.07	170.8	23.48
		231.0	121.1	14.15	131.2	16.52	142.9	19.25	155.3	21.65	159.9	22.18	166.1	22.72	170.8	23.13
		462.0	121.1	13.01	131.2	15.44	142.9	17.99	155.3	20.25	159.9	20.76	166.1	21.32	170.8	21.75
		577.5	121.1	12.67	131.2	15.12	142.9	17.62	155.3	19.86	159.9	20.36	166.1	20.89	170.8	21.26
		693.0	121.1	12.51	131.2	14.96	142.9	17.43	155.3	19.67	159.9	20.17	166.1	20.67	170.8	21.02
	25	184.8	121.1	17.83	131.2	20.70	142.9	24.12	155.3	27.17	159.9	27.79	166.1	28.48	170.8	28.96
		231.0	121.1	17.47	131.2	20.36	142.9	23.72	155.3	26.73	159.9	27.35	166.1	28.04	170.8	28.52
		462.0	121.1	16.07	131.2	19.04	142.9	22.18	155.3	24.98	159.9	25.59	166.1	26.28	170.8	26.80
		577.5	121.1	15.61	131.2	18.63	142.9	21.73	155.3	24.49	159.9	25.12	166.1	25.78	170.8	26.21
		693.0	121.1	15.37	131.2	18.42	142.9	21.51	155.3	24.25	159.9	24.89	166.1	25.53	170.8	25.91
	30	184.8	121.1	21.39	131.2	24.84	142.9	28.93	155.3	32.60	159.9	33.37	166.1	34.17	170.8	34.76
		231.0	121.1	20.96	131.2	24.43	142.9	28.47	155.3	32.07	159.9	32.83	166.1	33.64	170.8	34.23
		462.0	121.1	19.26	131.2	22.85	142.9	26.62	155.3	29.96	159.9	30.73	166.1	31.53	170.8	32.16
		577.5	121.1	18.72	131.2	22.36	142.9	26.08	155.3	29.38	159.9	30.15	166.1	30.91	170.8	31.43
		693.0	121.1	18.45	131.2	22.12	142.9	25.81	155.3	29.09	159.9	29.86	166.1	30.60	170.8	31.07
	35	184.8	109.0	21.61	118.0	25.12	128.5	29.28	139.7	32.93	143.9	33.75	149.5	34.55	153.7	35.13
		231.0	109.0	21.19	118.0	24.71	128.5	28.80	139.7	32.41	143.9	33.21	149.5	34.01	153.7	34.61
		462.0	109.0	19.49	118.0	23.11	128.5	26.92	139.7	30.32	143.9	31.06	149.5	31.88	153.7	32.54
		577.5	109.0	18.95	118.0	22.61	128.5	26.36	139.7	29.72	143.9	30.48	149.5	31.27	153.7	31.79
		693.0	109.0	18.68	118.0	22.35	128.5	26.08	139.7	29.42	143.9	30.19	149.5	30.96	153.7	31.41
	40	184.8	96.9	22.82	104.9	26.48	114.2	30.87	124.2	34.76	128.0	35.56	132.9	36.42	136.6	37.09
		231.0	96.9	22.36	104.9	26.06	114.2	30.37	124.2	34.20	128.0	35.00	132.9	35.86	136.6	36.53
		462.0	96.9	20.55	104.9	24.38	114.2	28.41	124.2	31.98	128.0	32.78	132.9	33.64	136.6	34.31
		577.5	96.9	19.97	104.9	23.86	114.2	27.79	124.2	31.34	128.0	32.16	132.9	32.98	136.6	33.54
		693.0	96.9	19.68	104.9	23.59	114.2	27.49	124.2	31.02	128.0	31.85	132.9	32.66	136.6	33.16
	45	184.8	84.7	24.03	91.8	27.85	99.9	32.45	108.7	36.58	112.0	37.37	116.2	38.29	119.6	39.05
		231.0	84.7	23.54	91.8	27.40	99.9	31.94	108.7	35.99	112.0	36.79	116.2	37.71	119.6	38.45
		462.0	84.7	21.62	91.8	25.65	99.9	29.90	108.7	33.64	112.0	34.50	116.2	35.39	119.6	36.08
		577.5	84.7	21.00	91.8	25.11	99.9	29.23	108.7	32.97	112.0	33.84	116.2	34.70	119.6	35.30
		693.0	84.7	20.69	91.8	24.83	99.9	28.90	108.7	32.63	112.0	33.52	116.2	34.36	119.6	34.91
120	10	184.8	118.3	8.61	128.0	10.02	139.4	11.61	151.5	13.12	156.1	13.45	162.2	13.78	166.7	14.00
		231.0	118.3	8.43	128.0	9.86	139.4	11.44	151.5	12.90	156.1	13.23	162.2	13.55	166.7	13.78
		462.0	118.3	7.73	128.0	9.21	139.4	10.74	151.5	12.03	156.1	12.34	162.2	12.66	166.7	12.94
		577.5	118.3	7.51	128.0	8.95	139.4	10.49	151.5	11.80	156.1	12.12	162.2	12.45	166.7	12.65
		693.0	118.3	7.40	128.0	8.82	139.4	10.36	151.5	11.68	156.1	12.02	162.2	12.34	166.7	12.51
	15	184.8	116.9	11.41	126.6	13.27	137.9	15.42	149.8	17.38	154.3	17.80	160.3	18.23	164.8	18.54
		231.0	116.9	11.18	126.6	13.05	137.9	15.18	149.8	17.10	154.3	17.51	160.3	17.94	164.8	18.26
		462.0	116.9	10.27	126.6	12.19	137.9	14.21	149.8	15.98	154.3	16.37	160.3	16.80	164.8	17.14
		577.5	116.9	9.99	126.6	11.91	137.9	13.91	149.8	15.66	154.3	16.07	160.3	16.48	164.8	16.74
		693.0	116.9	9.85	126.6	11.77	137.9	13.76	149.8	15.50	154.3	15.92	160.3	16.32	164.8	16.55
	20	184.8	115.6	13.91	125.3	16.15	136.5	18.80	148.3	21.17	152.8	21.66	158.7	22.18	163.1	22.58
		231.0	115.6	13.63	125.3	15.89	136.5	18.50	148.3	20.83	152.8	21.32	158.7	21.84	163.1	22.23
		462.0	115.6	12.53	125.3	14.84	136.5	17.29	148.3	19.49	152.8	19.96	158.7	20.48	163.1	20.87
		577.5	115.6	12.19	125.3	14.54	136.5	16.95	148.3	19.10	152.8	19.58	158.7	20.07	163.1	20.38
		693.0	115.6	12.02	125.3	14.39	136.5	16.78	148.3	18.90	152.8	19.39	158.7	19.86	163.1	20.14
	25	184.8	115.6	17.08	125.3	19.85	136.5	23.11	148.3	26.01	152.8	26.63	158.7	27.29	163.1	27.77
		231.0	115.6	16.74	125.3	19.53	136.5	22.74	148.3	25.59	152.8	26.21	158.7	26.86	163.1	27.35
		462.0	115.6	15.40	125.3	18.24	136.5	21.26	148.3	23.95	152.8	24.53	158.7	25.16	163.1	25.67
		577.5	115.6	14.97	125.3	17.86	136.5	20.83	148.3	23.46	152.8	24.06	158.7	24.68	163.1	25.05
		693.0	115.6	14.76	125.3	17.68	136.5	20.62	148.3	23.22	152.8	23.83	158.7	24.43	163.1	24.74
	30	184.8	115.6	20.62	125.3	24.00	136.5	27.95	148.3	31.45	152.8	32.21	158.7	33.00	163.1	33.57
		231.0	115.6	20.22	125.3	23.61	136.5	27.50	148.3	30.95	152.8	31.70	158.7	32.48	163.1	33.06
		462.0	115.6	18.61	125.3	22.06	136.5	25.69	148.3	28.95	152.8	29.66	158.7	30.43	163.1	31.02
		577.5	115.6	18.09	125.3	21.60	136.5	25.16	148.3	28.37	152.8	29.10	158.7	29.85	163.1	30.30
		693.0	115.6	17.83	125.3	21.36	136.5	24.90	148.3	28.08	152.8	28.82	158.7	29.56	163.1	29.93

Notes:

TC: Total Capacity(kW)　　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	184.8	105.8	21.16	114.6	24.59	124.9	28.63	135.7	32.26	139.8	33.03	145.2	33.81	149.3	34.41
		231.0	105.8	20.74	114.6	24.19	124.9	28.17	135.7	31.73	139.8	32.50	145.2	33.28	149.3	33.88
		462.0	105.8	19.06	114.6	22.61	124.9	26.34	135.7	29.66	139.8	30.39	145.2	31.19	149.3	31.79
		577.5	105.8	18.54	114.6	22.14	124.9	25.82	135.7	29.08	139.8	29.83	145.2	30.58	149.3	31.04
		693.0	105.8	18.27	114.6	21.90	124.9	25.55	135.7	28.79	139.8	29.55	145.2	30.27	149.3	30.67
	40	184.8	96.0	22.78	104.0	26.45	113.3	30.83	123.1	34.70	126.8	35.53	131.8	36.39	135.4	37.05
		231.0	96.0	22.33	104.0	26.02	113.3	30.33	123.1	34.14	126.8	34.96	131.8	35.82	135.4	36.47
		462.0	96.0	20.53	104.0	24.34	113.3	28.36	123.1	31.92	126.8	32.70	131.8	33.56	135.4	34.22
		577.5	96.0	19.96	104.0	23.82	113.3	27.78	123.1	31.30	126.8	32.11	131.8	32.93	135.4	33.41
		693.0	96.0	19.67	104.0	23.56	113.3	27.49	123.1	31.00	126.8	31.81	131.8	32.61	135.4	33.01
	45	184.8	86.2	24.39	93.3	28.30	101.7	33.04	110.6	37.15	113.9	38.03	118.3	38.97	121.5	39.68
		231.0	86.2	23.91	93.3	27.85	101.7	32.50	110.6	36.55	113.9	37.43	118.3	38.36	121.5	39.07
		462.0	86.2	22.01	93.3	26.08	101.7	30.37	110.6	34.18	113.9	35.02	118.3	35.93	121.5	36.64
		577.5	86.2	21.37	93.3	25.50	101.7	29.74	110.6	33.52	113.9	34.39	118.3	35.28	121.5	35.78
		693.0	86.2	21.06	93.3	25.21	101.7	29.42	110.6	33.20	113.9	34.07	118.3	34.95	121.5	35.35
110	10	184.8	111.6	8.11	120.8	9.41	131.6	10.99	142.9	12.36	147.2	12.66	152.9	12.97	157.2	13.23
		231.0	111.6	7.95	120.8	9.26	131.6	10.81	142.9	12.16	147.2	12.46	152.9	12.77	157.2	13.02
		462.0	111.6	7.30	120.8	8.67	131.6	10.11	142.9	11.37	147.2	11.70	152.9	11.98	157.2	12.19
		577.5	111.6	7.10	120.8	8.49	131.6	9.87	142.9	11.19	147.2	11.42	152.9	11.75	157.2	11.87
		693.0	111.6	7.00	120.8	8.40	131.6	9.75	142.9	11.10	147.2	11.28	152.9	11.63	157.2	11.71
	15	184.8	110.9	10.88	120.1	12.63	130.8	14.72	142.1	16.58	146.3	16.98	152.0	17.39	156.3	17.71
		231.0	110.9	10.66	120.1	12.43	130.8	14.49	142.1	16.31	146.3	16.71	152.0	17.12	156.3	17.43
		462.0	110.9	9.80	120.1	11.63	130.8	13.55	142.1	15.25	146.3	15.64	152.0	16.03	156.3	16.33
		577.5	110.9	9.54	120.1	11.39	130.8	13.25	142.1	14.97	146.3	15.32	152.0	15.74	156.3	15.92
		693.0	110.9	9.41	120.1	11.26	130.8	13.10	142.1	14.83	146.3	15.17	152.0	15.59	156.3	15.72
	20	184.8	110.3	13.33	119.4	15.50	130.0	18.04	141.4	20.34	145.6	20.81	151.3	21.32	155.5	21.69
		231.0	110.3	13.07	119.4	15.25	130.0	17.75	141.4	20.01	145.6	20.48	151.3	20.98	155.5	21.35
		462.0	110.3	12.02	119.4	14.26	130.0	16.61	141.4	18.70	145.6	19.15	151.3	19.64	155.5	20.01
		577.5	110.3	11.70	119.4	13.96	130.0	16.26	141.4	18.33	145.6	18.80	151.3	19.28	155.5	19.53
		693.0	110.3	11.55	119.4	13.81	130.0	16.08	141.4	18.14	145.6	18.62	151.3	19.11	155.5	19.28
	25	184.8	110.3	16.32	119.4	18.97	130.0	22.10	141.4	24.89	145.6	25.47	151.3	26.10	155.5	26.57
		231.0	110.3	16.00	119.4	18.67	130.0	21.75	141.4	24.49	145.6	25.07	151.3	25.69	155.5	26.15
		462.0	110.3	14.73	119.4	17.45	130.0	20.35	141.4	22.90	145.6	23.46	151.3	24.06	155.5	24.51
		577.5	110.3	14.32	119.4	17.08	130.0	19.92	141.4	22.46	145.6	23.00	151.3	23.61	155.5	23.89
		693.0	110.3	14.11	119.4	16.89	130.0	19.70	141.4	22.23	145.6	22.76	151.3	23.39	155.5	23.59
	30	184.8	110.3	19.90	119.4	23.13	130.0	26.94	141.4	30.34	145.6	31.08	151.3	31.80	155.5	32.39
		231.0	110.3	19.51	119.4	22.75	130.0	26.51	141.4	29.85	145.6	30.58	151.3	31.30	155.5	31.88
		462.0	110.3	17.94	119.4	21.28	130.0	24.77	141.4	27.91	145.6	28.60	151.3	29.33	155.5	29.87
		577.5	110.3	17.45	119.4	20.83	130.0	24.29	141.4	27.37	145.6	28.04	151.3	28.76	155.5	29.14
		693.0	110.3	17.21	119.4	20.61	130.0	24.04	141.4	27.09	145.6	27.76	151.3	28.48	155.5	28.77
	35	184.8	102.7	20.70	111.3	24.06	121.2	28.00	131.7	31.55	135.6	32.29	141.0	33.08	144.9	33.68
		231.0	102.7	20.29	111.3	23.67	121.2	27.55	131.7	31.04	135.6	31.77	141.0	32.55	144.9	33.15
		462.0	102.7	18.67	111.3	22.12	121.2	25.78	131.7	29.03	135.6	29.72	141.0	30.48	144.9	31.06
		577.5	102.7	18.14	111.3	21.65	121.2	25.24	131.7	28.45	135.6	29.18	141.0	29.90	144.9	30.30
		693.0	102.7	17.88	111.3	21.42	121.2	24.97	131.7	28.16	135.6	28.91	141.0	29.61	144.9	29.91
	40	184.8	95.2	22.74	103.1	26.43	112.3	30.77	122.1	34.64	125.7	35.48	130.6	36.34	134.2	37.00
		231.0	95.2	22.29	103.1	26.00	112.3	30.28	122.1	34.09	125.7	34.91	130.6	35.77	134.2	36.42
		462.0	95.2	20.50	103.1	24.30	112.3	28.32	122.1	31.88	125.7	32.65	130.6	33.51	134.2	34.12
		577.5	95.2	19.92	103.1	23.78	112.3	27.74	122.1	31.25	125.7	32.05	130.6	32.87	134.2	33.26
		693.0	95.2	19.63	103.1	23.52	112.3	27.45	122.1	30.93	125.7	31.75	130.6	32.56	134.2	32.83
	45	184.8	87.6	24.78	95.0	28.81	103.4	33.55	112.4	37.73	115.8	38.66	120.2	39.59	123.6	40.32
		231.0	87.6	24.28	95.0	28.34	103.4	33.00	112.4	37.13	115.8	38.04	120.2	38.98	123.6	39.69
		462.0	87.6	22.33	95.0	26.49	103.4	30.86	112.4	34.74	115.8	35.58	120.2	36.53	123.6	37.18
		577.5	87.6	21.69	95.0	25.91	103.4	30.24	112.4	34.05	115.8	34.93	120.2	35.84	123.6	36.23
		693.0	87.6	21.37	95.0	25.62	103.4	29.93	112.4	33.70	115.8	34.60	120.2	35.50	123.6	35.76
100	10	184.8	104.8	7.68	113.5	8.91	123.6	10.33	134.4	11.69	138.4	11.91	143.8	12.26	147.8	12.45
		231.0	104.8	7.53	113.5	8.77	123.6	10.16	134.4	11.50	138.4	11.72	143.8	12.05	147.8	12.25
		462.0	104.8	6.92	113.5	8.19	123.6	9.50	134.4	10.74	138.4	10.97	143.8	11.24	147.8	11.46
		577.5	104.8	6.68	113.5	7.99	123.6	9.32	134.4	10.51	138.4	10.77	143.8	11.02	147.8	11.13
		693.0	104.8	6.56	113.5	7.89	123.6	9.23	134.4	10.39	138.4	10.68	143.8	10.91	147.8	10.97
	15	184.8	104.8	10.38	113.5	12.05	123.6	14.02	134.4	15.80	138.4	16.16	143.8	16.58	147.8	16.86
		231.0	104.8	10.17	113.5	11.85	123.6	13.79	134.4	15.55	138.4	15.90	143.8	16.31	147.8	16.60
		462.0	104.8	9.35	113.5	11.09	123.6	12.90	134.4	14.54	138.4	14.88	143.8	15.25	147.8	15.53
		577.5	104.8	9.07	113.5	10.85	123.6	12.64	134.4	14.24	138.4	14.60	143.8	14.97	147.8	15.12
		693.0	104.8	8.93	113.5	10.72	123.6	12.51	134.4	14.09	138.4	14.46	143.8	14.83	147.8	14.91

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	184.8	104.8	12.78	113.5	14.83	123.6	17.30	134.4	19.46	138.4	19.94	143.8	20.43	147.8	20.79
		231.0	104.8	12.53	113.5	14.60	123.6	17.02	134.4	19.15	138.4	19.62	143.8	20.10	147.8	20.46
		462.0	104.8	11.52	113.5	13.66	123.6	15.92	134.4	17.92	138.4	18.35	143.8	18.82	147.8	19.15
		577.5	104.8	11.20	113.5	13.38	123.6	15.59	134.4	17.57	138.4	17.99	143.8	18.48	147.8	18.67
		693.0	104.8	11.04	113.5	13.24	123.6	15.42	134.4	17.39	138.4	17.82	143.8	18.31	147.8	18.42
	25	184.8	104.8	15.58	113.5	18.10	123.6	21.10	134.4	23.76	138.4	24.32	143.8	24.93	147.8	25.36
		231.0	104.8	15.27	113.5	17.81	123.6	20.76	134.4	23.37	138.4	23.93	143.8	24.53	147.8	24.96
		462.0	104.8	14.06	113.5	16.65	123.6	19.39	134.4	21.84	138.4	22.38	143.8	22.94	147.8	23.37
		577.5	104.8	13.66	113.5	16.31	123.6	19.00	134.4	21.41	138.4	21.95	143.8	22.51	147.8	22.75
		693.0	104.8	13.47	113.5	16.15	123.6	18.81	134.4	21.20	138.4	21.74	143.8	22.30	147.8	22.45
	30	184.8	104.8	19.16	113.5	22.30	123.6	25.96	134.4	29.22	138.4	29.92	143.8	30.63	147.8	31.20
		231.0	104.8	18.78	113.5	21.93	123.6	25.54	134.4	28.75	138.4	29.44	143.8	30.15	147.8	30.71
		462.0	104.8	17.29	113.5	20.50	123.6	23.86	134.4	26.88	138.4	27.51	143.8	28.22	147.8	28.75
		577.5	104.8	16.80	113.5	20.07	123.6	23.37	134.4	26.36	138.4	27.01	143.8	27.70	147.8	27.98
		693.0	104.8	16.56	113.5	19.85	123.6	23.13	134.4	26.10	138.4	26.76	143.8	27.44	147.8	27.60
	35	184.8	99.6	20.22	107.9	23.51	117.5	27.37	127.7	30.83	131.5	31.57	136.6	32.34	140.4	32.93
		231.0	99.6	19.82	107.9	23.13	117.5	26.94	127.7	30.33	131.5	31.06	136.6	31.83	140.4	32.41
		462.0	99.6	18.24	107.9	21.64	117.5	25.20	127.7	28.37	131.5	29.05	136.6	29.79	140.4	30.33
		577.5	99.6	17.75	107.9	21.17	117.5	24.68	127.7	27.83	131.5	28.50	136.6	29.23	140.4	29.53
		693.0	99.6	17.51	107.9	20.93	117.5	24.42	127.7	27.56	131.5	28.23	136.6	28.95	140.4	29.13
	40	184.8	94.3	22.70	102.2	26.39	111.3	30.74	121.0	34.61	124.6	35.42	129.5	36.29	133.1	36.93
		231.0	94.3	22.25	102.2	25.97	111.3	30.24	121.0	34.05	124.6	34.85	129.5	35.71	133.1	36.34
		462.0	94.3	20.46	102.2	24.27	111.3	28.26	121.0	31.83	124.6	32.59	129.5	33.41	133.1	34.03
		577.5	94.3	19.90	102.2	23.74	111.3	27.68	121.0	31.21	124.6	31.98	129.5	32.80	133.1	33.13
		693.0	94.3	19.62	102.2	23.48	111.3	27.39	121.0	30.90	124.6	31.67	129.5	32.49	133.1	32.68
	45	184.8	89.1	25.18	96.5	29.28	105.0	34.11	114.2	38.39	117.7	39.27	122.3	40.24	125.7	40.93
		231.0	89.1	24.68	96.5	28.80	105.0	33.54	114.2	37.76	117.7	38.64	122.3	39.59	125.7	40.28
		462.0	89.1	22.68	96.5	26.90	105.0	31.32	114.2	35.28	117.7	36.14	122.3	37.03	125.7	37.73
		577.5	89.1	22.05	96.5	26.32	105.0	30.69	114.2	34.59	117.7	35.45	122.3	36.36	125.7	36.74
		693.0	89.1	21.73	96.5	26.03	105.0	30.37	114.2	34.24	117.7	35.10	122.3	36.03	125.7	36.24
90	10	184.8	94.3	6.55	102.2	7.62	111.3	8.88	121.0	10.04	124.6	10.23	129.5	10.45	133.1	10.73
		231.0	94.3	6.43	102.2	7.50	111.3	8.74	121.0	9.88	124.6	10.07	129.5	10.30	133.1	10.56
		462.0	94.3	5.93	102.2	7.04	111.3	8.21	121.0	9.23	124.6	9.45	129.5	9.72	133.1	9.88
		577.5	94.3	5.76	102.2	6.84	111.3	8.03	121.0	9.01	124.6	9.27	129.5	9.54	133.1	9.57
		693.0	94.3	5.68	102.2	6.73	111.3	7.94	121.0	8.90	124.6	9.18	129.5	9.45	133.1	9.41
	15	184.8	94.3	8.91	102.2	10.36	111.3	12.06	121.0	13.61	124.6	13.90	129.5	14.24	133.1	14.53
		231.0	94.3	8.74	102.2	10.19	111.3	11.87	121.0	13.38	124.6	13.68	129.5	14.02	133.1	14.30
		462.0	94.3	8.05	102.2	9.54	111.3	11.11	121.0	12.51	124.6	12.81	129.5	13.14	133.1	13.38
		577.5	94.3	7.82	102.2	9.31	111.3	10.88	121.0	12.25	124.6	12.56	129.5	12.90	133.1	13.01
		693.0	94.3	7.71	102.2	9.20	111.3	10.77	121.0	12.11	124.6	12.44	129.5	12.78	133.1	12.82
	20	184.8	94.3	11.01	102.2	12.79	111.3	14.90	121.0	16.78	124.6	17.17	129.5	17.61	133.1	17.90
		231.0	94.3	10.79	102.2	12.58	111.3	14.65	121.0	16.50	124.6	16.89	129.5	17.32	133.1	17.62
		462.0	94.3	9.93	102.2	11.76	111.3	13.68	121.0	15.42	124.6	15.79	129.5	16.18	133.1	16.50
		577.5	94.3	9.65	102.2	11.52	111.3	13.42	121.0	15.12	124.6	15.49	129.5	15.89	133.1	16.07
		693.0	94.3	9.51	102.2	11.40	111.3	13.29	121.0	14.97	124.6	15.34	129.5	15.74	133.1	15.86
	25	184.8	94.3	13.41	102.2	15.60	111.3	18.16	121.0	20.45	124.6	20.92	129.5	21.45	133.1	21.84
		231.0	94.3	13.14	102.2	15.34	111.3	17.86	121.0	20.12	124.6	20.59	129.5	21.11	133.1	21.49
		462.0	94.3	12.10	102.2	14.34	111.3	16.71	121.0	18.82	124.6	19.26	129.5	19.77	133.1	20.10
		577.5	94.3	11.76	102.2	14.02	111.3	16.37	121.0	18.44	124.6	18.91	129.5	19.39	133.1	19.58
		693.0	94.3	11.59	102.2	13.86	111.3	16.20	121.0	18.26	124.6	18.73	129.5	19.21	133.1	19.32
	30	184.8	94.3	16.49	102.2	19.19	111.3	22.33	121.0	25.16	124.6	25.74	129.5	26.39	133.1	26.86
		231.0	94.3	16.17	102.2	18.87	111.3	21.97	121.0	24.75	124.6	25.33	129.5	25.97	133.1	26.43
		462.0	94.3	14.88	102.2	17.62	111.3	20.55	121.0	23.13	124.6	23.71	129.5	24.29	133.1	24.73
		577.5	94.3	14.47	102.2	17.27	111.3	20.12	121.0	22.70	124.6	23.24	129.5	23.86	133.1	24.08
		693.0	94.3	14.26	102.2	17.09	111.3	19.91	121.0	22.48	124.6	23.01	129.5	23.64	133.1	23.75
	35	184.8	91.8	17.81	99.3	20.68	108.2	24.09	117.6	27.13	121.1	27.78	125.8	28.45	129.4	28.96
		231.0	91.8	17.45	99.3	20.35	108.2	23.71	117.6	26.69	121.1	27.33	125.8	28.00	129.4	28.50
		462.0	91.8	16.03	99.3	19.02	108.2	22.18	117.6	24.96	121.1	25.55	125.8	26.21	129.4	26.69
		577.5	91.8	15.61	99.3	18.63	108.2	21.71	117.6	24.47	121.1	25.09	125.8	25.72	129.4	25.98
		693.0	91.8	15.39	99.3	18.43	108.2	21.47	117.6	24.23	121.1	24.86	125.8	25.48	129.4	25.63
	40	184.8	89.1	20.45	96.5	23.75	105.1	27.68	114.2	31.17	117.7	31.91	122.2	32.68	125.7	33.26
		231.0	89.1	20.05	96.5	23.37	105.1	27.23	114.2	30.67	117.7	31.40	122.2	32.16	125.7	32.74
		462.0	89.1	18.44	96.5	21.86	105.1	25.48	114.2	28.67	117.7	29.36	122.2	30.11	125.7	30.67
		577.5	89.1	17.92	96.5	21.39	105.1	24.96	114.2	28.11	117.7	28.80	122.2	29.55	125.7	29.85
		693.0	89.1	17.66	96.5	21.16	105.1	24.70	114.2	27.83	117.7	28.52	122.2	29.27	125.7	29.44

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	184.8	86.5	23.10	93.7	26.82	102.0	31.26	110.9	35.22	114.3	36.05	118.7	36.91	122.0	37.57
		231.0	86.5	22.64	93.7	26.39	102.0	30.76	110.9	34.65	114.3	35.47	118.7	36.33	122.0	36.98
		462.0	86.5	20.85	93.7	24.69	102.0	28.78	110.9	32.39	114.3	33.17	118.7	34.01	122.0	34.65
		577.5	86.5	20.23	93.7	24.16	102.0	28.21	110.9	31.75	114.3	32.52	118.7	33.38	122.0	33.71
		693.0	86.5	19.93	93.7	23.89	102.0	27.92	110.9	31.44	114.3	32.19	118.7	33.06	122.0	33.25
80	10	184.8	83.9	5.54	90.8	6.39	98.9	7.43	107.5	8.42	110.8	8.59	115.1	8.82	118.3	8.93
		231.0	83.9	5.43	90.8	6.30	98.9	7.32	107.5	8.28	110.8	8.46	115.1	8.67	118.3	8.79
		462.0	83.9	4.97	90.8	5.93	98.9	6.88	107.5	7.72	110.8	7.92	115.1	8.08	118.3	8.24
		577.5	83.9	4.87	90.8	5.76	98.9	6.75	107.5	7.60	110.8	7.75	115.1	7.97	118.3	8.02
		693.0	83.9	4.82	90.8	5.68	98.9	6.69	107.5	7.53	110.8	7.67	115.1	7.92	118.3	7.92
	15	184.8	83.9	7.49	90.8	8.69	98.9	10.11	107.5	11.41	110.8	11.67	115.1	11.95	118.3	12.16
		231.0	83.9	7.34	90.8	8.55	98.9	9.95	107.5	11.22	110.8	11.48	115.1	11.76	118.3	11.96
		462.0	83.9	6.74	90.8	8.01	98.9	9.31	107.5	10.47	110.8	10.73	115.1	10.99	118.3	11.20
		577.5	83.9	6.57	90.8	7.82	98.9	9.13	107.5	10.28	110.8	10.53	115.1	10.81	118.3	10.90
		693.0	83.9	6.49	90.8	7.73	98.9	9.03	107.5	10.19	110.8	10.42	115.1	10.71	118.3	10.75
	20	184.8	83.9	9.22	90.8	10.72	98.9	12.49	107.5	14.06	110.8	14.40	115.1	14.73	118.3	15.02
		231.0	83.9	9.03	90.8	10.55	98.9	12.28	107.5	13.83	110.8	14.17	115.1	14.50	118.3	14.78
		462.0	83.9	8.31	90.8	9.86	98.9	11.48	107.5	12.92	110.8	13.24	115.1	13.59	118.3	13.83
		577.5	83.9	8.08	90.8	9.65	98.9	11.24	107.5	12.67	110.8	12.99	115.1	13.33	118.3	13.46
		693.0	83.9	7.97	90.8	9.55	98.9	11.12	107.5	12.55	110.8	12.87	115.1	13.20	118.3	13.27
	25	184.8	83.9	11.26	90.8	13.07	98.9	15.22	107.5	17.13	110.8	17.55	115.1	17.98	118.3	18.30
		231.0	83.9	11.03	90.8	12.86	98.9	14.97	107.5	16.86	110.8	17.27	115.1	17.70	118.3	18.01
		462.0	83.9	10.14	90.8	12.02	98.9	14.00	107.5	15.77	110.8	16.15	115.1	16.56	118.3	16.86
		577.5	83.9	9.86	90.8	11.76	98.9	13.72	107.5	15.46	110.8	15.85	115.1	16.26	118.3	16.41
		693.0	83.9	9.71	90.8	11.63	98.9	13.58	107.5	15.30	110.8	15.70	115.1	16.11	118.3	16.18
	30	184.8	83.9	13.82	90.8	16.07	98.9	18.73	107.5	21.08	110.8	21.57	115.1	22.10	118.3	22.52
		231.0	83.9	13.55	90.8	15.81	98.9	18.42	107.5	20.74	110.8	21.22	115.1	21.75	118.3	22.16
		462.0	83.9	12.47	90.8	14.78	98.9	17.23	107.5	19.39	110.8	19.86	115.1	20.36	118.3	20.74
		577.5	83.9	12.13	90.8	14.47	98.9	16.86	107.5	19.02	110.8	19.49	115.1	19.97	118.3	20.20
		693.0	83.9	11.97	90.8	14.31	98.9	16.67	107.5	18.83	110.8	19.30	115.1	19.78	118.3	19.93
	35	184.8	83.9	15.37	90.8	17.85	98.9	20.79	107.5	23.43	110.8	24.00	115.1	24.59	118.3	25.02
		231.0	83.9	15.06	90.8	17.57	98.9	20.46	107.5	23.05	110.8	23.61	115.1	24.19	118.3	24.62
		462.0	83.9	13.87	90.8	16.43	98.9	19.15	107.5	21.56	110.8	22.06	115.1	22.62	118.3	23.03
		577.5	83.9	13.48	90.8	16.07	98.9	18.76	107.5	21.13	110.8	21.65	115.1	22.21	118.3	22.42
		693.0	83.9	13.28	90.8	15.90	98.9	18.56	107.5	20.92	110.8	21.45	115.1	22.01	118.3	22.11
	40	184.8	83.9	18.21	90.8	21.16	98.9	24.65	107.5	27.76	110.8	28.41	115.1	29.10	118.3	29.61
		231.0	83.9	17.85	90.8	20.81	98.9	24.25	107.5	27.31	110.8	27.94	115.1	28.64	118.3	29.14
		462.0	83.9	16.41	90.8	19.45	98.9	22.66	107.5	25.54	110.8	26.11	115.1	26.79	118.3	27.27
		577.5	83.9	15.94	90.8	19.04	98.9	22.19	107.5	25.01	110.8	25.63	115.1	26.30	118.3	26.56
		693.0	83.9	15.71	90.8	18.84	98.9	21.96	107.5	24.75	110.8	25.39	115.1	26.06	118.3	26.21
	45	184.8	83.9	21.05	90.8	24.46	98.9	28.51	107.5	32.08	110.8	32.81	115.1	33.62	118.3	34.20
		231.0	83.9	20.63	90.8	24.06	98.9	28.04	107.5	31.57	110.8	32.27	115.1	33.08	118.3	33.66
		462.0	83.9	18.95	90.8	22.47	98.9	26.17	107.5	29.51	110.8	30.16	115.1	30.95	118.3	31.51
		577.5	83.9	18.40	90.8	22.01	98.9	25.63	107.5	28.90	110.8	29.61	115.1	30.39	118.3	30.71
		693.0	83.9	18.13	90.8	21.78	98.9	25.36	107.5	28.59	110.8	29.33	115.1	30.11	118.3	30.30
70	10	184.8	73.4	4.55	79.4	5.33	86.6	6.19	94.1	6.96	96.9	7.15	100.7	7.33	103.5	7.43
		231.0	73.4	4.47	79.4	5.24	86.6	6.08	94.1	6.86	96.9	7.04	100.7	7.22	103.5	7.32
		462.0	73.4	4.13	79.4	4.90	86.6	5.67	94.1	6.43	96.9	6.59	100.7	6.77	103.5	6.88
		577.5	73.4	4.02	79.4	4.77	86.6	5.58	94.1	6.30	96.9	6.44	100.7	6.61	103.5	6.70
		693.0	73.4	3.97	79.4	4.71	86.6	5.54	94.1	6.24	96.9	6.37	100.7	6.52	103.5	6.61
	15	184.8	73.4	6.21	79.4	7.23	86.6	8.41	94.1	9.47	96.9	9.69	100.7	9.94	103.5	10.11
		231.0	73.4	6.09	79.4	7.11	86.6	8.27	94.1	9.31	96.9	9.54	100.7	9.78	103.5	9.95
		462.0	73.4	5.60	79.4	6.64	86.6	7.73	94.1	8.72	96.9	8.92	100.7	9.17	103.5	9.31
		577.5	73.4	5.45	79.4	6.50	86.6	7.58	94.1	8.55	96.9	8.75	100.7	8.98	103.5	9.07
		693.0	73.4	5.38	79.4	6.42	86.6	7.50	94.1	8.46	96.9	8.67	100.7	8.89	103.5	8.95
	20	184.8	73.4	7.68	79.4	8.92	86.6	10.38	94.1	11.69	96.9	11.95	100.7	12.25	103.5	12.49
		231.0	73.4	7.52	79.4	8.77	86.6	10.21	94.1	11.50	96.9	11.76	100.7	12.06	103.5	12.28
		462.0	73.4	6.91	79.4	8.20	86.6	9.56	94.1	10.75	96.9	10.99	100.7	11.29	103.5	11.48
		577.5	73.4	6.72	79.4	8.03	86.6	9.35	94.1	10.55	96.9	10.81	100.7	11.09	103.5	11.18
		693.0	73.4	6.63	79.4	7.94	86.6	9.25	94.1	10.44	96.9	10.71	100.7	10.99	103.5	11.03
	25	184.8	73.4	9.35	79.4	10.88	86.6	12.65	94.1	14.25	96.9	14.59	100.7	14.94	103.5	15.21
		231.0	73.4	9.17	79.4	10.70	86.6	12.45	94.1	14.02	96.9	14.35	100.7	14.71	103.5	14.97
		462.0	73.4	8.44	79.4	9.99	86.6	11.65	94.1	13.10	96.9	13.42	100.7	13.78	103.5	14.02
		577.5	73.4	8.20	79.4	9.78	86.6	11.41	94.1	12.86	96.9	13.16	100.7	13.50	103.5	13.64
		693.0	73.4	8.07	79.4	9.68	86.6	11.28	94.1	12.74	96.9	13.03	100.7	13.36	103.5	13.46

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	184.8	73.4	11.51	79.4	13.36	86.6	15.56	94.1	17.53	96.9	17.95	100.7	18.38	103.5	18.73
		231.0	73.4	11.27	79.4	13.14	86.6	15.31	94.1	17.25	96.9	17.66	100.7	18.09	103.5	18.42
		462.0	73.4	10.36	79.4	12.28	86.6	14.32	94.1	16.13	96.9	16.52	100.7	16.93	103.5	17.23
		577.5	73.4	10.08	79.4	12.04	86.6	14.02	94.1	15.81	96.9	16.20	100.7	16.61	103.5	16.80
		693.0	73.4	9.94	79.4	11.92	86.6	13.87	94.1	15.65	96.9	16.05	100.7	16.45	103.5	16.59
	35	184.8	73.4	12.78	79.4	14.83	86.6	17.31	94.1	19.46	96.9	19.94	100.7	20.43	103.5	20.79
		231.0	73.4	12.53	79.4	14.60	86.6	17.02	94.1	19.15	96.9	19.62	100.7	20.10	103.5	20.46
		462.0	73.4	11.52	79.4	13.66	86.6	15.90	94.1	17.92	96.9	18.35	100.7	18.82	103.5	19.15
		577.5	73.4	11.20	79.4	13.36	86.6	15.59	94.1	17.57	96.9	17.99	100.7	18.46	103.5	18.67
		693.0	73.4	11.04	79.4	13.21	86.6	15.43	94.1	17.39	96.9	17.82	100.7	18.29	103.5	18.42
	40	184.8	73.4	15.14	79.4	17.56	86.6	20.49	94.1	23.07	96.9	23.62	100.7	24.19	103.5	24.62
		231.0	73.4	14.84	79.4	17.29	86.6	20.16	94.1	22.70	96.9	23.24	100.7	23.80	103.5	24.23
		462.0	73.4	13.64	79.4	16.18	86.6	18.85	94.1	21.22	96.9	21.73	100.7	22.27	103.5	22.70
		577.5	73.4	13.25	79.4	15.83	86.6	18.44	94.1	20.79	96.9	21.32	100.7	21.88	103.5	22.08
		693.0	73.4	13.06	79.4	15.65	86.6	18.24	94.1	20.58	96.9	21.11	100.7	21.68	103.5	21.77
	45	184.8	73.4	17.50	79.4	20.29	86.6	23.67	94.1	26.68	96.9	27.30	100.7	27.94	103.5	28.44
		231.0	73.4	17.15	79.4	19.97	86.6	23.30	94.1	26.25	96.9	26.86	100.7	27.50	103.5	28.00
		462.0	73.4	15.77	79.4	18.70	86.6	21.80	94.1	24.53	96.9	25.11	100.7	25.72	103.5	26.25
		577.5	73.4	15.31	79.4	18.30	86.6	21.30	94.1	24.02	96.9	24.64	100.7	25.29	103.5	25.50
		693.0	73.4	15.07	79.4	18.09	86.6	21.04	94.1	23.77	96.9	24.40	100.7	25.08	103.5	25.12
60	10	184.8	62.9	3.64	68.1	4.21	74.2	4.92	80.6	5.57	83.1	5.72	86.3	5.81	88.7	5.95
		231.0	62.9	3.57	68.1	4.14	74.2	4.84	80.6	5.48	83.1	5.62	86.3	5.73	88.7	5.85
		462.0	62.9	3.28	68.1	3.88	74.2	4.56	80.6	5.10	83.1	5.24	86.3	5.39	88.7	5.48
		577.5	62.9	3.17	68.1	3.84	74.2	4.47	80.6	5.03	83.1	5.15	86.3	5.26	88.7	5.35
		693.0	62.9	3.12	68.1	3.83	74.2	4.43	80.6	4.99	83.1	5.11	86.3	5.19	88.7	5.29
	15	184.8	62.9	4.95	68.1	5.75	74.2	6.69	80.6	7.55	83.1	7.74	86.3	7.91	88.7	8.06
		231.0	62.9	4.85	68.1	5.66	74.2	6.59	80.6	7.43	83.1	7.62	86.3	7.78	88.7	7.93
		462.0	62.9	4.46	68.1	5.28	74.2	6.18	80.6	6.94	83.1	7.11	86.3	7.30	88.7	7.43
		577.5	62.9	4.33	68.1	5.19	74.2	6.05	80.6	6.81	83.1	6.98	86.3	7.15	88.7	7.24
		693.0	62.9	4.26	68.1	5.14	74.2	5.98	80.6	6.75	83.1	6.91	86.3	7.07	88.7	7.15
	20	184.8	62.9	6.11	68.1	7.12	74.2	8.27	80.6	9.31	83.1	9.55	86.3	9.77	88.7	9.94
		231.0	62.9	5.99	68.1	7.00	74.2	8.14	80.6	9.17	83.1	9.39	86.3	9.61	88.7	9.78
		462.0	62.9	5.51	68.1	6.53	74.2	7.62	80.6	8.59	83.1	8.77	86.3	9.00	88.7	9.17
		577.5	62.9	5.36	68.1	6.38	74.2	7.45	80.6	8.40	83.1	8.60	86.3	8.83	88.7	8.92
		693.0	62.9	5.28	68.1	6.31	74.2	7.36	80.6	8.31	83.1	8.52	86.3	8.75	88.7	8.80
	25	184.8	62.9	7.44	68.1	8.67	74.2	10.10	80.6	11.37	83.1	11.63	86.3	11.91	88.7	12.14
		231.0	62.9	7.30	68.1	8.53	74.2	9.93	80.6	11.18	83.1	11.44	86.3	11.72	88.7	11.95
		462.0	62.9	6.72	68.1	7.97	74.2	9.28	80.6	10.45	83.1	10.70	86.3	10.98	88.7	11.18
		577.5	62.9	6.53	68.1	7.78	74.2	9.09	80.6	10.23	83.1	10.51	86.3	10.77	88.7	10.88
		693.0	62.9	6.44	68.1	7.69	74.2	9.00	80.6	10.12	83.1	10.42	86.3	10.67	88.7	10.73
	30	184.8	62.9	9.16	68.1	10.64	74.2	12.41	80.6	13.96	83.1	14.31	86.3	14.64	88.7	14.93
		231.0	62.9	8.98	68.1	10.47	74.2	12.21	80.6	13.74	83.1	14.07	86.3	14.41	88.7	14.69
		462.0	62.9	8.27	68.1	9.80	74.2	11.42	80.6	12.86	83.1	13.16	86.3	13.50	88.7	13.74
		577.5	62.9	8.03	68.1	9.59	74.2	11.18	80.6	12.62	83.1	12.92	86.3	13.25	88.7	13.38
		693.0	62.9	7.90	68.1	9.49	74.2	11.06	80.6	12.50	83.1	12.80	86.3	13.13	88.7	13.21
	35	184.8	62.9	10.19	68.1	11.84	74.2	13.80	80.6	15.51	83.1	15.90	86.3	16.30	88.7	16.58
		231.0	62.9	9.99	68.1	11.65	74.2	13.57	80.6	15.27	83.1	15.64	86.3	16.03	88.7	16.31
		462.0	62.9	9.18	68.1	10.88	74.2	12.67	80.6	14.30	83.1	14.63	86.3	14.99	88.7	15.27
		577.5	62.9	8.92	68.1	10.66	74.2	12.43	80.6	14.00	83.1	14.35	86.3	14.73	88.7	14.88
		693.0	62.9	8.79	68.1	10.55	74.2	12.31	80.6	13.85	83.1	14.21	86.3	14.60	88.7	14.68
	40	184.8	62.9	12.05	68.1	14.02	74.2	16.34	80.6	18.39	83.1	18.82	86.3	19.27	88.7	19.65
		231.0	62.9	11.82	68.1	13.79	74.2	16.07	80.6	18.09	83.1	18.52	86.3	18.97	88.7	19.34
		462.0	62.9	10.88	68.1	12.90	74.2	15.03	80.6	16.91	83.1	17.32	86.3	17.75	88.7	18.09
		577.5	62.9	10.57	68.1	12.62	74.2	14.73	80.6	16.58	83.1	16.99	86.3	17.43	88.7	17.60
		693.0	62.9	10.41	68.1	12.48	74.2	14.58	80.6	16.41	83.1	16.82	86.3	17.27	88.7	17.36
	45	184.8	62.9	13.91	68.1	16.20	74.2	18.88	80.6	21.26	83.1	21.74	86.3	22.24	88.7	22.73
		231.0	62.9	13.64	68.1	15.94	74.2	18.57	80.6	20.91	83.1	21.39	86.3	21.90	88.7	22.36
		462.0	62.9	12.58	68.1	14.92	74.2	17.38	80.6	19.52	83.1	20.01	86.3	20.52	88.7	20.91
		577.5	62.9	12.21	68.1	14.58	74.2	17.02	80.6	19.15	83.1	19.62	86.3	20.14	88.7	20.33
		693.0	62.9	12.02	68.1	14.41	74.2	16.85	80.6	18.96	83.1	19.42	86.3	19.95	88.7	20.04
50	10	184.8	52.4	2.73	56.8	3.13	61.8	3.71	67.2	4.11	69.2	4.24	71.9	4.35	73.9	4.44
		231.0	52.4	2.67	56.8	3.08	61.8	3.65	67.2	4.06	69.2	4.18	71.9	4.27	73.9	4.36
		462.0	52.4	2.44	56.8	2.91	61.8	3.41	67.2	3.84	69.2	3.96	71.9	3.98	73.9	4.06
		577.5	52.4	2.37	56.8	2.90	61.8	3.34	67.2	3.73	69.2	3.80	71.9	3.93	73.9	3.96
		693.0	52.4	2.33	56.8	2.89	61.8	3.30	67.2	3.68	69.2	3.73	71.9	3.91	73.9	3.92

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	184.8	52.4	3.70	56.8	4.29	61.8	5.01	67.2	5.61	69.2	5.76	71.9	5.90	73.9	6.02
		231.0	52.4	3.62	56.8	4.22	61.8	4.93	67.2	5.53	69.2	5.67	71.9	5.81	73.9	5.92
		462.0	52.4	3.32	56.8	3.94	61.8	4.61	67.2	5.19	69.2	5.32	71.9	5.43	73.9	5.53
		577.5	52.4	3.23	56.8	3.88	61.8	4.52	67.2	5.08	69.2	5.19	71.9	5.34	73.9	5.39
		693.0	52.4	3.18	56.8	3.86	61.8	4.47	67.2	5.02	69.2	5.12	71.9	5.29	73.9	5.33
	20	184.8	52.4	4.55	56.8	5.32	61.8	6.16	67.2	6.94	69.2	7.12	71.9	7.28	73.9	7.42
		231.0	52.4	4.46	56.8	5.23	61.8	6.07	67.2	6.83	69.2	7.00	71.9	7.17	73.9	7.30
		462.0	52.4	4.11	56.8	4.85	61.8	5.67	67.2	6.38	69.2	6.53	71.9	6.72	73.9	6.83
		577.5	52.4	3.99	56.8	4.76	61.8	5.56	67.2	6.27	69.2	6.42	71.9	6.59	73.9	6.66
		693.0	52.4	3.94	56.8	4.71	61.8	5.51	67.2	6.22	69.2	6.37	71.9	6.52	73.9	6.58
	25	184.8	52.4	5.54	56.8	6.45	61.8	7.51	67.2	8.49	69.2	8.67	71.9	8.88	73.9	9.02
		231.0	52.4	5.43	56.8	6.35	61.8	7.39	67.2	8.34	69.2	8.53	71.9	8.74	73.9	8.89
		462.0	52.4	5.00	56.8	5.94	61.8	6.92	67.2	7.78	69.2	7.97	71.9	8.18	73.9	8.34
		577.5	52.4	4.85	56.8	5.81	61.8	6.78	67.2	7.63	69.2	7.82	71.9	8.03	73.9	8.12
		693.0	52.4	4.78	56.8	5.74	61.8	6.70	67.2	7.56	69.2	7.75	71.9	7.95	73.9	8.01
	30	184.8	52.4	6.84	56.8	7.95	61.8	9.26	67.2	10.44	69.2	10.69	71.9	10.92	73.9	11.12
		231.0	52.4	6.70	56.8	7.82	61.8	9.11	67.2	10.27	69.2	10.51	71.9	10.75	73.9	10.94
		462.0	52.4	6.16	56.8	7.30	61.8	8.51	67.2	9.59	69.2	9.80	71.9	10.08	73.9	10.23
		577.5	52.4	5.99	56.8	7.15	61.8	8.34	67.2	9.41	69.2	9.63	71.9	9.88	73.9	9.99
		693.0	52.4	5.91	56.8	7.07	61.8	8.26	67.2	9.31	69.2	9.55	71.9	9.77	73.9	9.87
	35	184.8	52.4	7.60	56.8	8.82	61.8	10.28	67.2	11.57	69.2	11.86	71.9	12.14	73.9	12.34
		231.0	52.4	7.45	56.8	8.68	61.8	10.12	67.2	11.39	69.2	11.67	71.9	11.95	73.9	12.15
		462.0	52.4	6.85	56.8	8.12	61.8	9.46	67.2	10.66	69.2	10.90	71.9	11.18	73.9	11.39
		577.5	52.4	6.66	56.8	7.95	61.8	9.26	67.2	10.45	69.2	10.70	71.9	10.98	73.9	11.09
		693.0	52.4	6.57	56.8	7.87	61.8	9.16	67.2	10.35	69.2	10.59	71.9	10.87	73.9	10.94
	40	184.8	52.4	9.01	56.8	10.45	61.8	12.18	67.2	13.72	69.2	14.04	71.9	14.38	73.9	14.65
		231.0	52.4	8.83	56.8	10.28	61.8	11.98	67.2	13.50	69.2	13.81	71.9	14.15	73.9	14.41
		462.0	52.4	8.10	56.8	9.61	61.8	11.20	67.2	12.62	69.2	12.92	71.9	13.25	73.9	13.48
		577.5	52.4	7.88	56.8	9.41	61.8	10.98	67.2	12.38	69.2	12.67	71.9	12.99	73.9	13.12
		693.0	52.4	7.76	56.8	9.31	61.8	10.87	67.2	12.26	69.2	12.55	71.9	12.86	73.9	12.94
	45	184.8	52.4	10.43	56.8	12.09	61.8	14.08	67.2	15.86	69.2	16.22	71.9	16.61	73.9	16.95
		231.0	52.4	10.21	56.8	11.89	61.8	13.85	67.2	15.61	69.2	15.96	71.9	16.35	73.9	16.67
		462.0	52.4	9.35	56.8	11.11	61.8	12.93	67.2	14.58	69.2	14.93	71.9	15.32	73.9	15.57
		577.5	52.4	9.09	56.8	10.86	61.8	12.69	67.2	14.30	69.2	14.65	71.9	15.01	73.9	15.16
		693.0	52.4	8.96	56.8	10.74	61.8	12.57	67.2	14.16	69.2	14.51	71.9	14.85	73.9	14.95

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(50HP)

ARWN500LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	192.4	130.2	9.13	141.0	10.69	153.4	12.46	166.7	13.98	171.8	14.30	178.5	14.73	183.5	14.96
		240.5	130.2	8.97	141.0	10.50	153.4	12.25	166.7	13.75	171.8	14.08	178.5	14.49	183.5	14.73
		481.0	130.2	8.31	141.0	9.77	153.4	11.41	166.7	12.86	171.8	13.23	178.5	13.52	183.5	13.83
		601.3	130.2	8.06	141.0	9.61	153.4	11.21	166.7	12.58	171.8	12.94	178.5	13.27	183.5	13.47
		721.5	130.2	7.94	141.0	9.53	153.4	11.11	166.7	12.44	171.8	12.80	178.5	13.15	183.5	13.29
	15	192.4	128.0	12.03	138.7	14.02	151.0	16.34	164.1	18.36	169.1	18.80	175.6	19.28	180.6	19.62
		240.5	128.0	11.80	138.7	13.79	151.0	16.07	164.1	18.07	169.1	18.50	175.6	18.98	180.6	19.32
		481.0	128.0	10.88	138.7	12.87	151.0	15.01	164.1	16.90	169.1	17.33	175.6	17.78	180.6	18.15
		601.3	128.0	10.58	138.7	12.62	151.0	14.71	164.1	16.56	169.1	16.99	175.6	17.43	180.6	17.73
		721.5	128.0	10.43	138.7	12.49	151.0	14.56	164.1	16.39	169.1	16.82	175.6	17.25	180.6	17.51
	20	192.4	126.1	14.61	136.6	16.98	148.8	19.79	161.8	22.26	166.6	22.80	173.0	23.33	177.9	23.75
		240.5	126.1	14.32	136.6	16.71	148.8	19.47	161.8	21.90	166.6	22.43	173.0	22.97	177.9	23.40
		481.0	126.1	13.16	136.6	15.63	148.8	18.21	161.8	20.49	166.6	20.99	173.0	21.56	177.9	22.00
		601.3	126.1	12.82	136.6	15.29	148.8	17.82	161.8	20.10	166.6	20.59	173.0	21.12	177.9	21.51
		721.5	126.1	12.65	136.6	15.13	148.8	17.63	161.8	19.90	166.6	20.40	173.0	20.91	177.9	21.26
	25	192.4	126.1	18.03	136.6	20.93	148.8	24.39	161.8	27.49	166.6	28.12	173.0	28.80	177.9	29.29
		240.5	126.1	17.67	136.6	20.59	148.8	23.99	161.8	27.04	166.6	27.67	173.0	28.36	177.9	28.85
		481.0	126.1	16.26	136.6	19.27	148.8	22.43	161.8	25.26	166.6	25.88	173.0	26.60	177.9	27.10
		601.3	126.1	15.78	136.6	18.84	148.8	21.99	161.8	24.77	166.6	25.40	173.0	26.07	177.9	26.51
		721.5	126.1	15.54	136.6	18.63	148.8	21.76	161.8	24.52	166.6	25.16	173.0	25.81	177.9	26.21
	30	192.4	126.1	21.65	136.6	25.12	148.8	29.26	161.8	32.98	166.6	33.75	173.0	34.57	177.9	35.15
		240.5	126.1	21.21	136.6	24.72	148.8	28.79	161.8	32.44	166.6	33.21	173.0	34.03	177.9	34.62
		481.0	126.1	19.48	136.6	23.11	148.8	26.94	161.8	30.30	166.6	31.08	173.0	31.90	177.9	32.53
		601.3	126.1	18.94	136.6	22.62	148.8	26.37	161.8	29.72	166.6	30.49	173.0	31.27	177.9	31.80
		721.5	126.1	18.67	136.6	22.38	148.8	26.09	161.8	29.42	166.6	30.20	173.0	30.95	177.9	31.43
	35	192.4	113.6	21.85	122.9	25.42	133.9	29.61	145.5	33.31	149.9	34.15	155.8	34.96	160.1	35.54
		240.5	113.6	21.42	122.9	25.00	133.9	29.13	145.5	32.78	149.9	33.60	155.8	34.41	160.1	35.01
		481.0	113.6	19.71	122.9	23.36	133.9	27.23	145.5	30.68	149.9	31.42	155.8	32.24	160.1	32.92
		601.3	113.6	19.17	122.9	22.87	133.9	26.66	145.5	30.06	149.9	30.83	155.8	31.62	160.1	32.15
		721.5	113.6	18.90	122.9	22.62	133.9	26.37	145.5	29.75	149.9	30.54	155.8	31.30	160.1	31.76
	40	192.4	100.9	23.09	109.3	26.79	119.0	31.23	129.4	35.15	133.3	35.97	138.4	36.84	142.3	37.52
		240.5	100.9	22.62	109.3	26.36	119.0	30.73	129.4	34.58	133.3	35.40	138.4	36.27	142.3	36.95
		481.0	100.9	20.78	109.3	24.66	119.0	28.74	129.4	32.34	133.3	33.16	138.4	34.03	142.3	34.71
		601.3	100.9	20.20	109.3	24.13	119.0	28.11	129.4	31.70	133.3	32.53	138.4	33.36	142.3	33.94
		721.5	100.9	19.91	109.3	23.86	119.0	27.80	129.4	31.38	133.3	32.22	138.4	33.02	142.3	33.55
	45	192.4	88.2	24.32	95.7	28.17	104.1	32.85	113.2	36.99	116.6	37.78	121.1	38.71	124.5	39.50
		240.5	88.2	23.83	95.7	27.72	104.1	32.32	113.2	36.38	116.6	37.20	121.1	38.13	124.5	38.89
		481.0	88.2	21.86	95.7	25.96	104.1	30.25	113.2	34.01	116.6	34.90	121.1	35.82	124.5	36.51
		601.3	88.2	21.23	95.7	25.39	104.1	29.57	113.2	33.35	116.6	34.23	121.1	35.10	124.5	35.72
		721.5	88.2	20.91	95.7	25.11	104.1	29.23	113.2	33.02	116.6	33.89	121.1	34.74	124.5	35.33
120	10	192.4	123.2	8.71	133.3	10.14	145.3	11.75	157.8	13.25	162.6	13.63	169.0	13.95	173.7	14.14
		240.5	123.2	8.53	133.3	9.98	145.3	11.57	157.8	13.04	162.6	13.39	169.0	13.72	173.7	13.93
		481.0	123.2	7.82	133.3	9.32	145.3	10.87	157.8	12.18	162.6	12.47	169.0	12.80	173.7	13.08
		601.3	123.2	7.59	133.3	9.04	145.3	10.62	157.8	11.91	162.6	12.27	169.0	12.57	173.7	12.79
		721.5	123.2	7.48	133.3	8.90	145.3	10.50	157.8	11.78	162.6	12.17	169.0	12.46	173.7	12.65
	15	192.4	121.7	11.55	131.8	13.42	143.6	15.59	156.1	17.57	160.8	18.01	167.0	18.45	171.7	18.74
		240.5	121.7	11.31	131.8	13.20	143.6	15.35	156.1	17.29	160.8	17.72	167.0	18.15	171.7	18.46
		481.0	121.7	10.39	131.8	12.33	143.6	14.37	156.1	16.17	160.8	16.56	167.0	16.99	171.7	17.33
		601.3	121.7	10.10	131.8	12.04	143.6	14.07	156.1	15.83	160.8	16.26	167.0	16.66	171.7	16.94
		721.5	121.7	9.96	131.8	11.90	143.6	13.93	156.1	15.67	160.8	16.11	167.0	16.50	171.7	16.74
	20	192.4	120.4	14.07	130.5	16.34	142.2	19.01	154.5	21.42	159.1	21.91	165.3	22.44	169.9	22.83
		240.5	120.4	13.79	130.5	16.07	142.2	18.70	154.5	21.07	159.1	21.56	165.3	22.09	169.9	22.48
		481.0	120.4	12.67	130.5	15.01	142.2	17.48	154.5	19.71	159.1	20.19	165.3	20.72	169.9	21.12
		601.3	120.4	12.33	130.5	14.71	142.2	17.14	154.5	19.32	159.1	19.81	165.3	20.30	169.9	20.63
		721.5	120.4	12.16	130.5	14.56	142.2	16.97	154.5	19.12	159.1	19.62	165.3	20.08	169.9	20.38
	25	192.4	120.4	17.28	130.5	20.09	142.2	23.39	154.5	26.30	159.1	26.94	165.3	27.62	169.9	28.10
		240.5	120.4	16.94	130.5	19.76	142.2	23.01	154.5	25.88	159.1	26.51	165.3	27.18	169.9	27.67
		481.0	120.4	15.58	130.5	18.45	142.2	21.51	154.5	24.23	159.1	24.81	165.3	25.45	169.9	25.97
		601.3	120.4	15.15	130.5	18.07	142.2	21.07	154.5	23.74	159.1	24.33	165.3	24.96	169.9	25.34
		721.5	120.4	14.93	130.5	17.87	142.2	20.85	154.5	23.49	159.1	24.09	165.3	24.71	169.9	25.03
	30	192.4	120.4	20.85	130.5	24.28	142.2	28.28	154.5	31.82	159.1	32.57	165.3	33.39	169.9	33.97
		240.5	120.4	20.44	130.5	23.89	142.2	27.82	154.5	31.31	159.1	32.05	165.3	32.86	169.9	33.45
		481.0	120.4	18.83	130.5	22.33	142.2	25.98	154.5	29.28	159.1	30.00	165.3	30.78	169.9	31.37
		601.3	120.4	18.30	130.5	21.85	142.2	25.45	154.5	28.70	159.1	29.43	165.3	30.20	169.9	30.64
		721.5	120.4	18.03	130.5	21.61	142.2	25.18	154.5	28.40	159.1	29.14	165.3	29.90	169.9	30.27

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	192.4	110.2	21.41	119.4	24.88	130.1	28.96	141.3	32.62	145.6	33.41	151.3	34.19	155.5	34.81
		240.5	110.2	20.98	119.4	24.47	130.1	28.50	141.3	32.10	145.6	32.87	151.3	33.66	155.5	34.28
		481.0	110.2	19.28	119.4	22.87	130.1	26.65	141.3	30.00	145.6	30.74	151.3	31.56	155.5	32.15
		601.3	110.2	18.75	119.4	22.39	130.1	26.12	141.3	29.42	145.6	30.16	151.3	30.93	155.5	31.41
		721.5	110.2	18.48	119.4	22.15	130.1	25.85	141.3	29.13	145.6	29.87	151.3	30.61	155.5	31.04
	40	192.4	100.0	23.04	108.3	26.75	118.0	31.19	128.3	35.09	132.1	35.93	137.2	36.80	141.0	37.47
		240.5	100.0	22.58	108.3	26.32	118.0	30.68	128.3	34.53	132.1	35.36	137.2	36.23	141.0	36.90
		481.0	100.0	20.78	108.3	24.62	118.0	28.69	128.3	32.29	132.1	33.07	137.2	33.94	141.0	34.61
		601.3	100.0	20.19	108.3	24.09	118.0	28.10	128.3	31.66	132.1	32.48	137.2	33.31	141.0	33.80
		721.5	100.0	19.90	108.3	23.82	118.0	27.81	128.3	31.35	132.1	32.18	137.2	32.99	141.0	33.38
	45	192.4	89.8	24.67	97.2	28.62	105.9	33.41	115.3	37.56	118.7	38.45	123.2	39.42	126.6	40.14
		240.5	89.8	24.18	97.2	28.17	105.9	32.87	115.3	36.96	118.7	37.84	123.2	38.80	126.6	39.52
		481.0	89.8	22.27	97.2	26.37	105.9	30.73	115.3	34.57	118.7	35.41	123.2	36.33	126.6	37.08
		601.3	89.8	21.64	97.2	25.79	105.9	30.09	115.3	33.90	118.7	34.80	123.2	35.69	126.6	36.18
		721.5	89.8	21.32	97.2	25.49	105.9	29.77	115.3	33.56	118.7	34.49	123.2	35.36	126.6	35.73
110	10	192.4	116.2	8.21	125.9	9.51	137.0	11.13	148.9	12.50	153.3	12.79	159.3	13.15	163.7	13.37
		240.5	116.2	8.04	125.9	9.36	137.0	10.94	148.9	12.30	153.3	12.59	159.3	12.94	163.7	13.16
		481.0	116.2	7.39	125.9	8.76	137.0	10.21	148.9	11.50	153.3	11.84	159.3	12.12	163.7	12.32
		601.3	116.2	7.19	125.9	8.57	137.0	9.97	148.9	11.32	153.3	11.52	159.3	11.88	163.7	12.02
		721.5	116.2	7.10	125.9	8.48	137.0	9.85	148.9	11.23	153.3	11.37	159.3	11.76	163.7	11.86
	15	192.4	115.5	11.00	125.1	12.78	136.2	14.90	148.0	16.78	152.4	17.17	158.4	17.60	162.8	17.91
		240.5	115.5	10.78	125.1	12.58	136.2	14.66	148.0	16.51	152.4	16.90	158.4	17.32	162.8	17.63
		481.0	115.5	9.91	125.1	11.76	136.2	13.70	148.0	15.43	152.4	15.83	158.4	16.22	162.8	16.51
		601.3	115.5	9.66	125.1	11.51	136.2	13.40	148.0	15.15	152.4	15.49	158.4	15.92	162.8	16.11
		721.5	115.5	9.53	125.1	11.39	136.2	13.25	148.0	15.00	152.4	15.33	158.4	15.77	162.8	15.91
	20	192.4	114.9	13.48	124.4	15.69	135.5	18.25	147.3	20.58	151.7	21.06	157.5	21.56	162.0	21.95
		240.5	114.9	13.21	124.4	15.43	135.5	17.96	147.3	20.24	151.7	20.72	157.5	21.22	162.0	21.60
		481.0	114.9	12.15	124.4	14.42	135.5	16.80	147.3	18.93	151.7	19.37	157.5	19.86	162.0	20.24
		601.3	114.9	11.84	124.4	14.13	135.5	16.45	147.3	18.54	151.7	19.02	157.5	19.51	162.0	19.76
		721.5	114.9	11.69	124.4	13.98	135.5	16.28	147.3	18.35	151.7	18.85	157.5	19.34	162.0	19.51
	25	192.4	114.9	16.50	124.4	19.19	135.5	22.35	147.3	25.17	151.7	25.76	157.5	26.39	162.0	26.88
		240.5	114.9	16.17	124.4	18.88	135.5	22.00	147.3	24.77	151.7	25.35	157.5	25.98	162.0	26.46
		481.0	114.9	14.90	124.4	17.66	135.5	20.58	147.3	23.16	151.7	23.74	157.5	24.33	162.0	24.80
		601.3	114.9	14.48	124.4	17.28	135.5	20.15	147.3	22.72	151.7	23.26	157.5	23.89	162.0	24.17
		721.5	114.9	14.26	124.4	17.09	135.5	19.93	147.3	22.50	151.7	23.02	157.5	23.66	162.0	23.86
	30	192.4	114.9	20.12	124.4	23.39	135.5	27.25	147.3	30.70	151.7	31.43	157.5	32.16	162.0	32.76
		240.5	114.9	19.72	124.4	23.02	135.5	26.81	147.3	30.20	151.7	30.93	157.5	31.66	162.0	32.24
		481.0	114.9	18.15	124.4	21.52	135.5	25.05	147.3	28.22	151.7	28.93	157.5	29.66	162.0	30.21
		601.3	114.9	17.66	124.4	21.07	135.5	24.57	147.3	27.68	151.7	28.36	157.5	29.09	162.0	29.47
		721.5	114.9	17.42	124.4	20.85	135.5	24.32	147.3	27.41	151.7	28.07	157.5	28.80	162.0	29.11
	35	192.4	107.0	20.95	115.9	24.33	126.3	28.32	137.2	31.92	141.3	32.67	146.8	33.45	150.9	34.08
		240.5	107.0	20.53	115.9	23.94	126.3	27.87	137.2	31.41	141.3	32.14	146.8	32.92	150.9	33.54
		481.0	107.0	18.88	115.9	22.38	126.3	26.07	137.2	29.37	141.3	30.06	146.8	30.83	150.9	31.42
		601.3	107.0	18.35	115.9	21.90	126.3	25.53	137.2	28.78	141.3	29.52	146.8	30.25	150.9	30.64
		721.5	107.0	18.09	115.9	21.66	126.3	25.26	137.2	28.49	141.3	29.25	146.8	29.96	150.9	30.25
	40	192.4	99.1	22.99	107.4	26.75	116.9	31.13	127.2	35.04	131.0	35.88	136.0	36.75	139.8	37.43
		240.5	99.1	22.54	107.4	26.31	116.9	30.63	127.2	34.48	131.0	35.30	136.0	36.17	139.8	36.85
		481.0	99.1	20.73	107.4	24.58	116.9	28.65	127.2	32.24	131.0	33.02	136.0	33.89	139.8	34.52
		601.3	99.1	20.15	107.4	24.04	116.9	28.06	127.2	31.61	131.0	32.43	136.0	33.26	139.8	33.65
		721.5	99.1	19.86	107.4	23.78	116.9	27.77	127.2	31.29	131.0	32.13	136.0	32.94	139.8	33.21
	45	192.4	91.3	25.04	99.0	29.16	107.6	33.94	117.1	38.16	120.6	39.09	125.2	40.05	128.7	40.79
		240.5	91.3	24.54	99.0	28.68	107.6	33.39	117.1	37.54	120.6	38.47	125.2	39.43	128.7	40.15
		481.0	91.3	22.58	99.0	26.77	107.6	31.22	117.1	35.12	120.6	35.98	125.2	36.95	128.7	37.62
		601.3	91.3	21.94	99.0	26.19	107.6	30.59	117.1	34.43	120.6	35.34	125.2	36.26	128.7	36.65
		721.5	91.3	21.62	99.0	25.90	107.6	30.27	117.1	34.09	120.6	35.01	125.2	35.92	128.7	36.17
100	10	192.4	109.2	7.77	118.2	9.02	128.8	10.41	140.0	11.82	144.2	12.02	149.8	12.40	154.0	12.61
		240.5	109.2	7.62	118.2	8.87	128.8	10.25	140.0	11.63	144.2	11.83	149.8	12.19	154.0	12.41
		481.0	109.2	7.00	118.2	8.27	128.8	9.61	140.0	10.88	144.2	11.11	149.8	11.38	154.0	11.61
		601.3	109.2	6.76	118.2	8.08	128.8	9.40	140.0	10.64	144.2	10.89	149.8	11.16	154.0	11.26
		721.5	109.2	6.64	118.2	7.98	128.8	9.30	140.0	10.52	144.2	10.78	149.8	11.04	154.0	11.08
	15	192.4	109.2	10.50	118.2	12.19	128.8	14.17	140.0	15.99	144.2	16.34	149.8	16.78	154.0	17.06
		240.5	109.2	10.29	118.2	11.99	128.8	13.94	140.0	15.73	144.2	16.08	149.8	16.51	154.0	16.79
		481.0	109.2	9.46	118.2	11.22	128.8	13.05	140.0	14.71	144.2	15.05	149.8	15.43	154.0	15.72
		601.3	109.2	9.18	118.2	10.97	128.8	12.78	140.0	14.41	144.2	14.76	149.8	15.15	154.0	15.29
		721.5	109.2	9.03	118.2	10.85	128.8	12.64	140.0	14.27	144.2	14.62	149.8	15.00	154.0	15.08

Notes:

TC: Total Capacity(kW)　　　　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	192.4	109.2	12.93	118.2	15.00	128.8	17.51	140.0	19.69	144.2	20.18	149.8	20.67	154.0	21.02
		240.5	109.2	12.67	118.2	14.76	128.8	17.23	140.0	19.37	144.2	19.85	149.8	20.34	154.0	20.69
		481.0	109.2	11.65	118.2	13.83	128.8	16.11	140.0	18.12	144.2	18.55	149.8	19.03	154.0	19.37
		601.3	109.2	11.32	118.2	13.54	128.8	15.77	140.0	17.77	144.2	18.21	149.8	18.69	154.0	18.88
		721.5	109.2	11.15	118.2	13.40	128.8	15.60	140.0	17.59	144.2	18.03	149.8	18.52	154.0	18.64
	25	192.4	109.2	15.75	118.2	18.31	128.8	21.33	140.0	24.03	144.2	24.62	149.8	25.22	154.0	25.65
		240.5	109.2	15.44	118.2	18.01	128.8	20.99	140.0	23.64	144.2	24.22	149.8	24.81	154.0	25.25
		481.0	109.2	14.22	118.2	16.85	128.8	19.62	140.0	22.09	144.2	22.63	149.8	23.21	154.0	23.64
		601.3	109.2	13.83	118.2	16.51	128.8	19.22	140.0	21.66	144.2	22.20	149.8	22.77	154.0	23.02
		721.5	109.2	13.63	118.2	16.34	128.8	19.03	140.0	21.44	144.2	21.98	149.8	22.55	154.0	22.70
	30	192.4	109.2	19.37	118.2	22.56	128.8	26.26	140.0	29.56	144.2	30.26	149.8	30.98	154.0	31.57
		240.5	109.2	18.99	118.2	22.19	128.8	25.83	140.0	29.08	144.2	29.77	149.8	30.49	154.0	31.07
		481.0	109.2	17.48	118.2	20.73	128.8	24.13	140.0	27.19	144.2	27.83	149.8	28.55	154.0	29.08
		601.3	109.2	16.99	118.2	20.30	128.8	23.64	140.0	26.66	144.2	27.33	149.8	28.02	154.0	28.31
		721.5	109.2	16.75	118.2	20.08	128.8	23.40	140.0	26.39	144.2	27.08	149.8	27.75	154.0	27.92
	35	192.4	103.8	20.46	112.4	23.78	122.4	27.68	133.0	31.19	136.9	31.93	142.3	32.71	146.3	33.30
		240.5	103.8	20.05	112.4	23.40	122.4	27.24	133.0	30.68	136.9	31.42	142.3	32.19	146.3	32.78
		481.0	103.8	18.45	112.4	21.89	122.4	25.49	133.0	28.70	136.9	29.38	142.3	30.14	146.3	30.68
		601.3	103.8	17.96	112.4	21.41	122.4	24.96	133.0	28.16	136.9	28.84	142.3	29.57	146.3	29.87
		721.5	103.8	17.72	112.4	21.17	122.4	24.69	133.0	27.89	136.9	28.57	142.3	29.28	146.3	29.45
	40	192.4	98.3	22.98	106.4	26.70	115.9	31.09	126.0	35.00	129.8	35.83	134.9	36.71	138.6	37.35
		240.5	98.3	22.52	106.4	26.27	115.9	30.59	126.0	34.43	129.8	35.25	134.9	36.12	138.6	36.76
		481.0	98.3	20.69	106.4	24.56	115.9	28.59	126.0	32.19	129.8	32.97	134.9	33.80	138.6	34.42
		601.3	98.3	20.14	106.4	24.03	115.9	28.01	126.0	31.56	129.8	32.34	134.9	33.17	138.6	33.51
		721.5	98.3	19.86	106.4	23.76	115.9	27.72	126.0	31.25	129.8	32.03	134.9	32.85	138.6	33.05
	45	192.4	92.7	25.50	100.5	29.62	109.5	34.50	119.0	38.81	122.6	39.72	127.4	40.71	130.8	41.39
		240.5	92.7	24.98	100.5	29.13	109.5	33.94	119.0	38.18	122.6	39.09	127.4	40.05	130.8	40.74
		481.0	92.7	22.93	100.5	27.22	109.5	31.70	119.0	35.69	122.6	36.56	127.4	37.45	130.8	38.16
		601.3	92.7	22.32	100.5	26.64	109.5	31.06	119.0	34.97	122.6	35.84	127.4	36.77	130.8	37.15
		721.5	92.7	22.01	100.5	26.35	109.5	30.74	119.0	34.61	122.6	35.49	127.4	36.43	130.8	36.64
90	10	192.4	98.3	6.62	106.4	7.69	115.9	8.97	126.0	10.15	129.8	10.34	134.9	10.56	138.6	10.87
		240.5	98.3	6.49	106.4	7.58	115.9	8.83	126.0	9.99	129.8	10.18	134.9	10.41	138.6	10.69
		481.0	98.3	6.01	106.4	7.14	115.9	8.28	126.0	9.37	129.8	9.57	134.9	9.85	138.6	9.99
		601.3	98.3	5.83	106.4	6.91	115.9	8.12	126.0	9.11	129.8	9.38	134.9	9.66	138.6	9.67
		721.5	98.3	5.75	106.4	6.80	115.9	8.04	126.0	8.98	129.8	9.29	134.9	9.57	138.6	9.51
	15	192.4	98.3	9.01	106.4	10.46	115.9	12.20	126.0	13.76	129.8	14.06	134.9	14.40	138.6	14.70
		240.5	98.3	8.84	106.4	10.30	115.9	12.00	126.0	13.54	129.8	13.84	134.9	14.18	138.6	14.47
		481.0	98.3	8.15	106.4	9.66	115.9	11.22	126.0	12.66	129.8	12.96	134.9	13.30	138.6	13.54
		601.3	98.3	7.91	106.4	9.42	115.9	11.02	126.0	12.38	129.8	12.71	134.9	13.05	138.6	13.16
		721.5	98.3	7.79	106.4	9.30	115.9	10.91	126.0	12.24	129.8	12.59	134.9	12.93	138.6	12.97
	20	192.4	98.3	11.14	106.4	12.93	115.9	15.06	126.0	16.98	129.8	17.37	134.9	17.82	138.6	18.11
		240.5	98.3	10.92	106.4	12.72	115.9	14.82	126.0	16.70	129.8	17.09	134.9	17.53	138.6	17.82
		481.0	98.3	10.05	106.4	11.90	115.9	13.84	126.0	15.59	129.8	15.97	134.9	16.37	138.6	16.70
		601.3	98.3	9.76	106.4	11.65	115.9	13.59	126.0	15.29	129.8	15.68	134.9	16.07	138.6	16.26
		721.5	98.3	9.62	106.4	11.53	115.9	13.46	126.0	15.15	129.8	15.53	134.9	15.92	138.6	16.04
	25	192.4	98.3	13.57	106.4	15.79	115.9	18.36	126.0	20.68	129.8	21.17	134.9	21.70	138.6	22.10
		240.5	98.3	13.30	106.4	15.53	115.9	18.07	126.0	20.35	129.8	20.83	134.9	21.36	138.6	21.74
		481.0	98.3	12.24	106.4	14.51	115.9	16.90	126.0	19.03	129.8	19.48	134.9	20.00	138.6	20.34
		601.3	98.3	11.90	106.4	14.18	115.9	16.56	126.0	18.65	129.8	19.13	134.9	19.62	138.6	19.81
		721.5	98.3	11.72	106.4	14.01	115.9	16.39	126.0	18.46	129.8	18.95	134.9	19.42	138.6	19.54
	30	192.4	98.3	16.69	106.4	19.40	115.9	22.60	126.0	25.46	129.8	26.05	134.9	26.70	138.6	27.18
		240.5	98.3	16.36	106.4	19.09	115.9	22.23	126.0	25.05	129.8	25.63	134.9	26.27	138.6	26.75
		481.0	98.3	15.05	106.4	17.82	115.9	20.78	126.0	23.40	129.8	23.98	134.9	24.57	138.6	25.01
		601.3	98.3	14.62	106.4	17.47	115.9	20.35	126.0	22.96	129.8	23.50	134.9	24.13	138.6	24.37
		721.5	98.3	14.41	106.4	17.30	115.9	20.13	126.0	22.74	129.8	23.26	134.9	23.91	138.6	24.04
	35	192.4	95.6	18.03	103.5	20.93	112.7	24.37	122.5	27.44	126.1	28.09	131.1	28.77	134.7	29.30
		240.5	95.6	17.66	103.5	20.58	112.7	23.98	122.5	27.00	126.1	27.63	131.1	28.31	134.7	28.84
		481.0	95.6	16.22	103.5	19.23	112.7	22.43	122.5	25.25	126.1	25.84	131.1	26.51	134.7	27.00
		601.3	95.6	15.78	103.5	18.84	112.7	21.95	122.5	24.76	126.1	25.39	131.1	26.02	134.7	26.28
		721.5	95.6	15.56	103.5	18.64	112.7	21.71	122.5	24.51	126.1	25.16	131.1	25.78	134.7	25.91
	40	192.4	92.8	20.70	100.6	24.03	109.5	27.98	119.0	31.54	122.6	32.27	127.3	33.06	130.9	33.64
		240.5	92.8	20.29	100.6	23.64	109.5	27.54	119.0	31.02	122.6	31.76	127.3	32.53	130.9	33.12
		481.0	92.8	18.65	100.6	22.10	109.5	25.78	119.0	28.99	122.6	29.71	127.3	30.45	130.9	31.02
		601.3	92.8	18.12	100.6	21.65	109.5	25.25	119.0	28.44	122.6	29.13	127.3	29.90	130.9	30.20
		721.5	92.8	17.85	100.6	21.42	109.5	24.98	119.0	28.17	122.6	28.84	127.3	29.62	130.9	29.78

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	192.4	90.1	23.37	97.6	27.14	106.3	31.59	115.5	35.63	119.1	36.46	123.5	37.35	127.1	37.99
		240.5	90.1	22.91	97.6	26.70	106.3	31.09	115.5	35.05	119.1	35.88	123.5	36.75	127.1	37.40
		481.0	90.1	21.08	97.6	24.97	106.3	29.12	115.5	32.74	119.1	33.58	123.5	34.39	127.1	35.05
		601.3	90.1	20.45	97.6	24.45	106.3	28.54	115.5	32.13	119.1	32.88	123.5	33.78	127.1	34.12
		721.5	90.1	20.14	97.6	24.19	106.3	28.25	115.5	31.82	119.1	32.53	123.5	33.47	127.1	33.65
80	10	192.4	87.3	5.63	94.6	6.45	103.1	7.50	112.0	8.54	115.3	8.68	119.9	8.93	123.2	9.02
		240.5	87.3	5.50	94.6	6.36	103.1	7.39	112.0	8.39	115.3	8.55	119.9	8.78	123.2	8.88
		481.0	87.3	5.01	94.6	6.02	103.1	6.96	112.0	7.80	115.3	8.02	119.9	8.17	123.2	8.32
		601.3	87.3	4.94	94.6	5.83	103.1	6.83	112.0	7.67	115.3	7.82	119.9	8.05	123.2	8.12
		721.5	87.3	4.91	94.6	5.74	103.1	6.76	112.0	7.60	115.3	7.71	119.9	7.98	123.2	8.02
	15	192.4	87.3	7.58	94.6	8.78	103.1	10.22	112.0	11.55	115.3	11.80	119.9	12.09	123.2	12.29
		240.5	87.3	7.42	94.6	8.65	103.1	10.06	112.0	11.36	115.3	11.61	119.9	11.90	123.2	12.10
		481.0	87.3	6.81	94.6	8.10	103.1	9.42	112.0	10.59	115.3	10.87	119.9	11.12	123.2	11.32
		601.3	87.3	6.65	94.6	7.91	103.1	9.23	112.0	10.40	115.3	10.64	119.9	10.93	123.2	11.02
		721.5	87.3	6.57	94.6	7.82	103.1	9.13	112.0	10.30	115.3	10.53	119.9	10.83	123.2	10.88
	20	192.4	87.3	9.32	94.6	10.86	103.1	12.63	112.0	14.22	115.3	14.56	119.9	14.90	123.2	15.20
		240.5	87.3	9.13	94.6	10.68	103.1	12.43	112.0	13.99	115.3	14.33	119.9	14.67	123.2	14.95
		481.0	87.3	8.40	94.6	9.96	103.1	11.61	112.0	13.06	115.3	13.39	119.9	13.74	123.2	13.99
		601.3	87.3	8.17	94.6	9.76	103.1	11.36	112.0	12.82	115.3	13.15	119.9	13.49	123.2	13.60
		721.5	87.3	8.05	94.6	9.66	103.1	11.24	112.0	12.70	115.3	13.03	119.9	13.36	123.2	13.41
	25	192.4	87.3	11.39	94.6	13.23	103.1	15.39	112.0	17.32	115.3	17.76	119.9	18.20	123.2	18.51
		240.5	87.3	11.16	94.6	13.01	103.1	15.15	112.0	17.05	115.3	17.47	119.9	17.91	123.2	18.21
		481.0	87.3	10.25	94.6	12.15	103.1	14.17	112.0	15.97	115.3	16.32	119.9	16.75	123.2	17.05
		601.3	87.3	9.96	94.6	11.90	103.1	13.88	112.0	15.63	115.3	16.03	119.9	16.45	123.2	16.60
		721.5	87.3	9.82	94.6	11.77	103.1	13.74	112.0	15.47	115.3	15.88	119.9	16.30	123.2	16.38
	30	192.4	87.3	13.97	94.6	16.24	103.1	18.95	112.0	21.32	115.3	21.81	119.9	22.35	123.2	22.79
		240.5	87.3	13.70	94.6	15.98	103.1	18.64	112.0	20.98	115.3	21.46	119.9	22.00	123.2	22.42
		481.0	87.3	12.62	94.6	14.95	103.1	17.43	112.0	19.62	115.3	20.10	119.9	20.59	123.2	20.98
		601.3	87.3	12.28	94.6	14.62	103.1	17.05	112.0	19.23	115.3	19.71	119.9	20.20	123.2	20.44
		721.5	87.3	12.11	94.6	14.46	103.1	16.85	112.0	19.04	115.3	19.52	119.9	20.00	123.2	20.16
	35	192.4	87.3	15.55	94.6	18.06	103.1	21.02	112.0	23.69	115.3	24.28	119.9	24.87	123.2	25.31
		240.5	87.3	15.24	94.6	17.77	103.1	20.69	112.0	23.31	115.3	23.89	119.9	24.47	123.2	24.91
		481.0	87.3	14.03	94.6	16.61	103.1	19.37	112.0	21.80	115.3	22.33	119.9	22.88	123.2	23.30
		601.3	87.3	13.64	94.6	16.26	103.1	18.98	112.0	21.37	115.3	21.90	119.9	22.48	123.2	22.68
		721.5	87.3	13.44	94.6	16.09	103.1	18.78	112.0	21.15	115.3	21.69	119.9	22.27	123.2	22.36
	40	192.4	87.3	18.42	94.6	21.42	103.1	24.93	112.0	28.08	115.3	28.73	119.9	29.45	123.2	29.95
		240.5	87.3	18.06	94.6	21.06	103.1	24.52	112.0	27.63	115.3	28.26	119.9	28.98	123.2	29.47
		481.0	87.3	16.60	94.6	19.67	103.1	22.92	112.0	25.83	115.3	26.41	119.9	27.09	123.2	27.58
		601.3	87.3	16.12	94.6	19.27	103.1	22.44	112.0	25.30	115.3	25.93	119.9	26.61	123.2	26.86
		721.5	87.3	15.88	94.6	19.07	103.1	22.20	112.0	25.03	115.3	25.68	119.9	26.36	123.2	26.50
	45	192.4	87.3	21.30	94.6	24.77	103.1	28.84	112.0	32.47	115.3	33.18	119.9	34.03	123.2	34.59
		240.5	87.3	20.87	94.6	24.36	103.1	28.36	112.0	31.94	115.3	32.64	119.9	33.48	123.2	34.04
		481.0	87.3	19.17	94.6	22.73	103.1	26.47	112.0	29.86	115.3	30.50	119.9	31.31	123.2	31.86
		601.3	87.3	18.61	94.6	22.27	103.1	25.90	112.0	29.23	115.3	29.95	119.9	30.74	123.2	31.04
		721.5	87.3	18.32	94.6	22.05	103.1	25.62	112.0	28.91	115.3	29.68	119.9	30.45	123.2	30.63
70	10	192.4	76.5	4.61	82.8	5.38	90.2	6.23	98.0	7.02	100.9	7.25	104.8	7.44	107.8	7.50
		240.5	76.5	4.52	82.8	5.29	90.2	6.13	98.0	6.92	100.9	7.14	104.8	7.32	107.8	7.39
		481.0	76.5	4.19	82.8	4.93	90.2	5.74	98.0	6.52	100.9	6.68	104.8	6.86	107.8	6.96
		601.3	76.5	4.09	82.8	4.82	90.2	5.65	98.0	6.36	100.9	6.50	104.8	6.68	107.8	6.77
		721.5	76.5	4.04	82.8	4.76	90.2	5.60	98.0	6.28	100.9	6.42	104.8	6.59	107.8	6.68
	15	192.4	76.5	6.28	82.8	7.31	90.2	8.49	98.0	9.57	100.9	9.81	104.8	10.06	107.8	10.22
		240.5	76.5	6.16	82.8	7.19	90.2	8.36	98.0	9.42	100.9	9.66	104.8	9.90	107.8	10.06
		481.0	76.5	5.67	82.8	6.71	90.2	7.82	98.0	8.83	100.9	9.03	104.8	9.27	107.8	9.42
		601.3	76.5	5.52	82.8	6.56	90.2	7.67	98.0	8.65	100.9	8.85	104.8	9.08	107.8	9.18
		721.5	76.5	5.45	82.8	6.49	90.2	7.59	98.0	8.55	100.9	8.75	104.8	8.98	107.8	9.05
	20	192.4	76.5	7.78	82.8	9.03	90.2	10.50	98.0	11.84	100.9	12.09	104.8	12.39	107.8	12.63
		240.5	76.5	7.62	82.8	8.88	90.2	10.34	98.0	11.64	100.9	11.90	104.8	12.19	107.8	12.43
		481.0	76.5	6.99	82.8	8.30	90.2	9.66	98.0	10.88	100.9	11.12	104.8	11.42	107.8	11.61
		601.3	76.5	6.80	82.8	8.11	90.2	9.46	98.0	10.68	100.9	10.93	104.8	11.22	107.8	11.31
		721.5	76.5	6.70	82.8	8.02	90.2	9.36	98.0	10.57	100.9	10.83	104.8	11.12	107.8	11.16
	25	192.4	76.5	9.46	82.8	11.01	90.2	12.78	98.0	14.41	100.9	14.75	104.8	15.10	107.8	15.39
		240.5	76.5	9.27	82.8	10.82	90.2	12.58	98.0	14.18	100.9	14.52	104.8	14.87	107.8	15.15
		481.0	76.5	8.54	82.8	10.10	90.2	11.79	98.0	13.26	100.9	13.59	104.8	13.93	107.8	14.18
		601.3	76.5	8.30	82.8	9.90	90.2	11.55	98.0	13.01	100.9	13.31	104.8	13.65	107.8	13.80
		721.5	76.5	8.17	82.8	9.80	90.2	11.42	98.0	12.89	100.9	13.17	104.8	13.50	107.8	13.60

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	192.4	76.5	11.64	82.8	13.52	90.2	15.74	98.0	17.72	100.9	18.16	104.8	18.60	107.8	18.95
		240.5	76.5	11.41	82.8	13.30	90.2	15.49	98.0	17.44	100.9	17.87	104.8	18.30	107.8	18.64
		481.0	76.5	10.48	82.8	12.43	90.2	14.48	98.0	16.31	100.9	16.71	104.8	17.13	107.8	17.43
		601.3	76.5	10.20	82.8	12.18	90.2	14.18	98.0	15.98	100.9	16.40	104.8	16.80	107.8	16.99
		721.5	76.5	10.05	82.8	12.06	90.2	14.03	98.0	15.82	100.9	16.25	104.8	16.64	107.8	16.77
	35	192.4	76.5	12.93	82.8	15.00	90.2	17.52	98.0	19.69	100.9	20.18	104.8	20.67	107.8	21.02
		240.5	76.5	12.67	82.8	14.76	90.2	17.23	98.0	19.37	100.9	19.85	104.8	20.34	107.8	20.69
		481.0	76.5	11.65	82.8	13.83	90.2	16.08	98.0	18.12	100.9	18.55	104.8	19.03	107.8	19.37
		601.3	76.5	11.32	82.8	13.51	90.2	15.77	98.0	17.77	100.9	18.21	104.8	18.68	107.8	18.88
		721.5	76.5	11.15	82.8	13.35	90.2	15.62	98.0	17.59	100.9	18.03	104.8	18.51	107.8	18.64
	40	192.4	76.5	15.31	82.8	17.76	90.2	20.72	98.0	23.34	100.9	23.89	104.8	24.47	107.8	24.91
		240.5	76.5	15.01	82.8	17.48	90.2	20.39	98.0	22.96	100.9	23.50	104.8	24.08	107.8	24.51
		481.0	76.5	13.80	82.8	16.37	90.2	19.08	98.0	21.46	100.9	21.99	104.8	22.53	107.8	22.96
		601.3	76.5	13.40	82.8	16.02	90.2	18.65	98.0	21.03	100.9	21.56	104.8	22.14	107.8	22.34
		721.5	76.5	13.21	82.8	15.84	90.2	18.44	98.0	20.81	100.9	21.35	104.8	21.94	107.8	22.02
	45	192.4	76.5	17.70	82.8	20.53	90.2	23.93	98.0	26.99	100.9	27.59	104.8	28.27	107.8	28.79
		240.5	76.5	17.34	82.8	20.20	90.2	23.56	98.0	26.55	100.9	27.16	104.8	27.82	107.8	28.34
		481.0	76.5	15.94	82.8	18.90	90.2	22.07	98.0	24.81	100.9	25.42	104.8	26.02	107.8	26.55
		601.3	76.5	15.49	82.8	18.53	90.2	21.53	98.0	24.29	100.9	24.92	104.8	25.59	107.8	25.79
		721.5	76.5	15.26	82.8	18.34	90.2	21.25	98.0	24.03	100.9	24.66	104.8	25.37	107.8	25.40
60	10	192.4	65.5	3.67	71.0	4.27	77.2	4.94	84.0	5.65	86.6	5.80	89.9	5.87	92.4	5.99
		240.5	65.5	3.60	71.0	4.20	77.2	4.87	84.0	5.55	86.6	5.69	89.9	5.79	92.4	5.90
		481.0	65.5	3.32	71.0	3.92	77.2	4.62	84.0	5.17	86.6	5.29	89.9	5.46	92.4	5.55
		601.3	65.5	3.19	71.0	3.88	77.2	4.53	84.0	5.09	86.6	5.20	89.9	5.32	92.4	5.42
		721.5	65.5	3.12	71.0	3.87	77.2	4.48	84.0	5.05	86.6	5.15	89.9	5.25	92.4	5.35
	15	192.4	65.5	5.01	71.0	5.82	77.2	6.76	84.0	7.64	86.6	7.84	89.9	7.99	92.4	8.14
		240.5	65.5	4.91	71.0	5.73	77.2	6.66	84.0	7.52	86.6	7.71	89.9	7.87	92.4	8.02
		481.0	65.5	4.51	71.0	5.34	77.2	6.26	84.0	7.03	86.6	7.19	89.9	7.38	92.4	7.52
		601.3	65.5	4.37	71.0	5.25	77.2	6.12	84.0	6.89	86.6	7.05	89.9	7.23	92.4	7.33
		721.5	65.5	4.30	71.0	5.20	77.2	6.05	84.0	6.82	86.6	6.98	89.9	7.16	92.4	7.23
	20	192.4	65.5	6.19	71.0	7.21	77.2	8.38	84.0	9.42	86.6	9.67	89.9	9.88	92.4	10.06
		240.5	65.5	6.07	71.0	7.09	77.2	8.24	84.0	9.27	86.6	9.51	89.9	9.72	92.4	9.90
		481.0	65.5	5.58	71.0	6.61	77.2	7.71	84.0	8.69	86.6	8.88	89.9	9.09	92.4	9.27
		601.3	65.5	5.43	71.0	6.46	77.2	7.53	84.0	8.50	86.6	8.70	89.9	8.93	92.4	9.03
		721.5	65.5	5.35	71.0	6.38	77.2	7.44	84.0	8.40	86.6	8.61	89.9	8.85	92.4	8.91
	25	192.4	65.5	7.53	71.0	8.78	77.2	10.22	84.0	11.50	86.6	11.75	89.9	12.04	92.4	12.28
		240.5	65.5	7.38	71.0	8.64	77.2	10.05	84.0	11.31	86.6	11.56	89.9	11.85	92.4	12.09
		481.0	65.5	6.80	71.0	8.06	77.2	9.38	84.0	10.58	86.6	10.82	89.9	11.11	92.4	11.31
		601.3	65.5	6.61	71.0	7.87	77.2	9.19	84.0	10.34	86.6	10.63	89.9	10.88	92.4	11.02
		721.5	65.5	6.51	71.0	7.77	77.2	9.09	84.0	10.23	86.6	10.54	89.9	10.77	92.4	10.87
	30	192.4	65.5	9.26	71.0	10.76	77.2	12.54	84.0	14.11	86.6	14.46	89.9	14.80	92.4	15.10
		240.5	65.5	9.08	71.0	10.59	77.2	12.34	84.0	13.89	86.6	14.23	89.9	14.57	92.4	14.86
		481.0	65.5	8.36	71.0	9.91	77.2	11.56	84.0	13.01	86.6	13.31	89.9	13.65	92.4	13.89
		601.3	65.5	8.11	71.0	9.71	77.2	11.31	84.0	12.77	86.6	13.06	89.9	13.40	92.4	13.54
		721.5	65.5	7.99	71.0	9.61	77.2	11.19	84.0	12.64	86.6	12.94	89.9	13.28	92.4	13.37
	35	192.4	65.5	10.31	71.0	11.99	77.2	13.97	84.0	15.69	86.6	16.08	89.9	16.49	92.4	16.77
		240.5	65.5	10.10	71.0	11.79	77.2	13.73	84.0	15.44	86.6	15.83	89.9	16.22	92.4	16.51
		481.0	65.5	9.28	71.0	11.02	77.2	12.82	84.0	14.47	86.6	14.81	89.9	15.16	92.4	15.44
		601.3	65.5	9.03	71.0	10.78	77.2	12.58	84.0	14.17	86.6	14.52	89.9	14.90	92.4	15.05
		721.5	65.5	8.90	71.0	10.66	77.2	12.45	84.0	14.02	86.6	14.37	89.9	14.78	92.4	14.85
	40	192.4	65.5	12.18	71.0	14.17	77.2	16.53	84.0	18.60	86.6	19.04	89.9	19.49	92.4	19.88
		240.5	65.5	11.95	71.0	13.94	77.2	16.26	84.0	18.30	86.6	18.74	89.9	19.18	92.4	19.56
		481.0	65.5	11.02	71.0	13.05	77.2	15.20	84.0	17.10	86.6	17.53	89.9	17.96	92.4	18.30
		601.3	65.5	10.68	71.0	12.77	77.2	14.90	84.0	16.76	86.6	17.19	89.9	17.63	92.4	17.81
		721.5	65.5	10.52	71.0	12.62	77.2	14.75	84.0	16.59	86.6	17.01	89.9	17.46	92.4	17.57
	45	192.4	65.5	14.06	71.0	16.35	77.2	19.09	84.0	21.52	86.6	22.00	89.9	22.49	92.4	22.99
		240.5	65.5	13.80	71.0	16.10	77.2	18.79	84.0	21.16	86.6	21.65	89.9	22.14	92.4	22.62
		481.0	65.5	12.75	71.0	15.09	77.2	17.58	84.0	19.73	86.6	20.24	89.9	20.77	92.4	21.16
		601.3	65.5	12.34	71.0	14.75	77.2	17.23	84.0	19.35	86.6	19.85	89.9	20.36	92.4	20.58
		721.5	65.5	12.13	71.0	14.58	77.2	17.05	84.0	19.15	86.6	19.66	89.9	20.15	92.4	20.28
50	10	192.4	54.6	2.74	59.1	3.17	64.4	3.78	70.1	4.16	72.1	4.27	74.9	4.41	77.0	4.47
		240.5	54.6	2.68	59.1	3.12	64.4	3.72	70.1	4.11	72.1	4.21	74.9	4.33	77.0	4.40
		481.0	54.6	2.44	59.1	2.94	64.4	3.46	70.1	3.88	72.1	4.01	74.9	4.02	77.0	4.11
		601.3	54.6	2.39	59.1	2.94	64.4	3.37	70.1	3.78	72.1	3.83	74.9	3.97	77.0	3.99
		721.5	54.6	2.36	59.1	2.94	64.4	3.33	70.1	3.73	72.1	3.75	74.9	3.95	77.0	3.93

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	192.4	54.6	3.73	59.1	4.34	64.4	5.08	70.1	5.67	72.1	5.82	74.9	5.97	77.0	6.08
		240.5	54.6	3.65	59.1	4.27	64.4	4.99	70.1	5.59	72.1	5.73	74.9	5.87	77.0	5.98
		481.0	54.6	3.36	59.1	3.98	64.4	4.66	70.1	5.25	72.1	5.39	74.9	5.49	77.0	5.59
		601.3	54.6	3.26	59.1	3.93	64.4	4.57	70.1	5.14	72.1	5.25	74.9	5.39	77.0	5.45
		721.5	54.6	3.21	59.1	3.90	64.4	4.52	70.1	5.09	72.1	5.18	74.9	5.35	77.0	5.38
	20	192.4	54.6	4.60	59.1	5.39	64.4	6.23	70.1	7.01	72.1	7.21	74.9	7.35	77.0	7.50
		240.5	54.6	4.51	59.1	5.29	64.4	6.13	70.1	6.90	72.1	7.09	74.9	7.24	77.0	7.38
		481.0	54.6	4.17	59.1	4.91	64.4	5.73	70.1	6.46	72.1	6.61	74.9	6.80	77.0	6.90
		601.3	54.6	4.04	59.1	4.81	64.4	5.63	70.1	6.35	72.1	6.50	74.9	6.66	77.0	6.75
		721.5	54.6	3.97	59.1	4.76	64.4	5.58	70.1	6.30	72.1	6.45	74.9	6.59	77.0	6.67
	25	192.4	54.6	5.60	59.1	6.52	64.4	7.60	70.1	8.59	72.1	8.78	74.9	8.98	77.0	9.12
		240.5	54.6	5.49	59.1	6.41	64.4	7.48	70.1	8.44	72.1	8.64	74.9	8.84	77.0	8.98
		481.0	54.6	5.05	59.1	6.01	64.4	7.00	70.1	7.87	72.1	8.06	74.9	8.26	77.0	8.44
		601.3	54.6	4.91	59.1	5.87	64.4	6.85	70.1	7.72	72.1	7.91	74.9	8.11	77.0	8.21
		721.5	54.6	4.83	59.1	5.80	64.4	6.78	70.1	7.65	72.1	7.84	74.9	8.04	77.0	8.09
	30	192.4	54.6	6.93	59.1	8.05	64.4	9.38	70.1	10.56	72.1	10.81	74.9	11.05	77.0	11.25
		240.5	54.6	6.79	59.1	7.91	64.4	9.22	70.1	10.39	72.1	10.63	74.9	10.88	77.0	11.07
		481.0	54.6	6.22	59.1	7.38	64.4	8.60	70.1	9.71	72.1	9.91	74.9	10.20	77.0	10.34
		601.3	54.6	6.07	59.1	7.23	64.4	8.44	70.1	9.52	72.1	9.75	74.9	10.00	77.0	10.10
		721.5	54.6	5.99	59.1	7.16	64.4	8.37	70.1	9.42	72.1	9.67	74.9	9.89	77.0	9.98
	35	192.4	54.6	7.68	59.1	8.93	64.4	10.41	70.1	11.70	72.1	12.00	74.9	12.28	77.0	12.48
		240.5	54.6	7.53	59.1	8.78	64.4	10.24	70.1	11.51	72.1	11.80	74.9	12.09	77.0	12.29
		481.0	54.6	6.94	59.1	8.21	64.4	9.57	70.1	10.78	72.1	11.02	74.9	11.31	77.0	11.51
		601.3	54.6	6.75	59.1	8.05	64.4	9.37	70.1	10.58	72.1	10.82	74.9	11.11	77.0	11.22
		721.5	54.6	6.65	59.1	7.97	64.4	9.27	70.1	10.48	72.1	10.72	74.9	11.01	77.0	11.07
	40	192.4	54.6	9.12	59.1	10.57	64.4	12.34	70.1	13.87	72.1	14.21	74.9	14.55	77.0	14.81
		240.5	54.6	8.93	59.1	10.40	64.4	12.13	70.1	13.65	72.1	13.98	74.9	14.32	77.0	14.57
		481.0	54.6	8.20	59.1	9.72	64.4	11.32	70.1	12.77	72.1	13.06	74.9	13.40	77.0	13.64
		601.3	54.6	7.97	59.1	9.52	64.4	11.11	70.1	12.52	72.1	12.82	74.9	13.15	77.0	13.26
		721.5	54.6	7.85	59.1	9.42	64.4	11.01	70.1	12.40	72.1	12.70	74.9	13.02	77.0	13.08
	45	192.4	54.6	10.56	59.1	12.21	64.4	14.26	70.1	16.04	72.1	16.42	74.9	16.82	77.0	17.13
		240.5	54.6	10.34	59.1	12.01	64.4	14.02	70.1	15.78	72.1	16.16	74.9	16.55	77.0	16.85
		481.0	54.6	9.46	59.1	11.22	64.4	13.07	70.1	14.75	72.1	15.10	74.9	15.49	77.0	15.76
		601.3	54.6	9.19	59.1	10.98	64.4	12.85	70.1	14.47	72.1	14.82	74.9	15.19	77.0	15.31
		721.5	54.6	9.05	59.1	10.86	64.4	12.74	70.1	14.32	72.1	14.67	74.9	15.04	77.0	15.08

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(52HP)

ARWN520LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	200.0	135.4	9.65	146.6	11.29	159.5	13.16	173.4	14.77	178.7	15.10	185.7	15.57	190.9	15.81
		250.0	135.4	9.47	146.6	11.10	159.5	12.94	173.4	14.53	178.7	14.88	185.7	15.31	190.9	15.57
		500.0	135.4	8.78	146.6	10.33	159.5	12.05	173.4	13.59	178.7	13.98	185.7	14.29	190.9	14.61
		625.0	135.4	8.52	146.6	10.15	159.5	11.85	173.4	13.29	178.7	13.68	185.7	14.02	190.9	14.23
		750.0	135.4	8.39	146.6	10.07	159.5	11.74	173.4	13.14	178.7	13.53	185.7	13.89	190.9	14.04
	15	200.0	133.2	12.71	144.2	14.81	157.0	17.26	170.7	19.40	175.8	19.86	182.6	20.38	187.8	20.73
		250.0	133.2	12.47	144.2	14.57	157.0	16.98	170.7	19.09	175.8	19.55	182.6	20.06	187.8	20.42
		500.0	133.2	11.49	144.2	13.60	157.0	15.86	170.7	17.85	175.8	18.32	182.6	18.78	187.8	19.18
		625.0	133.2	11.18	144.2	13.33	157.0	15.54	170.7	17.50	175.8	17.96	182.6	18.42	187.8	18.73
		750.0	133.2	11.02	144.2	13.20	157.0	15.39	170.7	17.32	175.8	17.78	182.6	18.23	187.8	18.50
	20	200.0	131.2	15.44	142.1	17.94	154.7	20.91	168.2	23.52	173.3	24.09	179.9	24.65	185.1	25.10
		250.0	131.2	15.13	142.1	17.65	154.7	20.57	168.2	23.14	173.3	23.70	179.9	24.27	185.1	24.72
		500.0	131.2	13.90	142.1	16.51	154.7	19.24	168.2	21.65	173.3	22.17	179.9	22.78	185.1	23.24
		625.0	131.2	13.55	142.1	16.16	154.7	18.83	168.2	21.23	173.3	21.76	179.9	22.32	185.1	22.73
		750.0	131.2	13.37	142.1	15.98	154.7	18.63	168.2	21.03	173.3	21.55	179.9	22.09	185.1	22.47
	25	200.0	131.2	19.05	142.1	22.11	154.7	25.77	168.2	29.05	173.3	29.71	179.9	30.43	185.1	30.94
		250.0	131.2	18.67	142.1	21.76	154.7	25.35	168.2	28.57	173.3	29.24	179.9	29.96	185.1	30.48
		500.0	131.2	17.18	142.1	20.36	154.7	23.70	168.2	26.69	173.3	27.35	179.9	28.10	185.1	28.64
		625.0	131.2	16.68	142.1	19.91	154.7	23.23	168.2	26.17	173.3	26.84	179.9	27.55	185.1	28.01
		750.0	131.2	16.42	142.1	19.68	154.7	23.00	168.2	25.91	173.3	26.59	179.9	27.27	185.1	27.70
	30	200.0	131.2	22.88	142.1	26.54	154.7	30.92	168.2	34.84	173.3	35.66	179.9	36.53	185.1	37.14
		250.0	131.2	22.41	142.1	26.11	154.7	30.42	168.2	34.27	173.3	35.09	179.9	35.96	185.1	36.58
		500.0	131.2	20.58	142.1	24.42	154.7	28.46	168.2	32.02	173.3	32.84	179.9	33.70	185.1	34.37
		625.0	131.2	20.01	142.1	23.90	154.7	27.86	168.2	31.40	173.3	32.22	179.9	33.04	185.1	33.60
		750.0	131.2	19.72	142.1	23.65	154.7	27.56	168.2	31.09	173.3	31.91	179.9	32.71	185.1	33.21
	35	200.0	118.1	23.09	127.9	26.86	139.2	31.29	151.4	35.19	155.9	36.08	162.0	36.94	166.5	37.55
		250.0	118.1	22.63	127.9	26.42	139.2	30.78	151.4	34.63	155.9	35.50	162.0	36.36	166.5	36.99
		500.0	118.1	20.83	127.9	24.69	139.2	28.78	151.4	32.41	155.9	33.20	162.0	34.07	166.5	34.78
		625.0	118.1	20.26	127.9	24.16	139.2	28.17	151.4	31.76	155.9	32.58	162.0	33.41	166.5	33.97
		750.0	118.1	19.97	127.9	23.90	139.2	27.86	151.4	31.43	155.9	32.27	162.0	33.07	166.5	33.56
	40	200.0	104.9	24.40	113.7	28.31	123.7	33.00	134.5	37.14	138.6	38.00	143.9	38.92	148.0	39.64
		250.0	104.9	23.90	113.7	27.86	123.7	32.47	134.5	36.54	138.6	37.40	143.9	38.33	148.0	39.04
		500.0	104.9	21.96	113.7	26.06	123.7	30.37	134.5	34.17	138.6	35.04	143.9	35.96	148.0	36.68
		625.0	104.9	21.34	113.7	25.50	123.7	29.71	134.5	33.50	138.6	34.37	143.9	35.25	148.0	35.86
		750.0	104.9	21.04	113.7	25.22	123.7	29.37	134.5	33.16	138.6	34.04	143.9	34.89	148.0	35.45
	45	200.0	91.7	25.70	99.5	29.76	108.3	34.71	117.7	39.08	121.3	39.92	125.9	40.90	129.5	41.73
		250.0	91.7	25.18	99.5	29.29	108.3	34.15	117.7	38.44	121.3	39.31	125.9	40.29	129.5	41.10
		500.0	91.7	23.09	99.5	27.43	108.3	31.96	117.7	35.93	121.3	36.88	125.9	37.85	129.5	38.57
		625.0	91.7	22.43	99.5	26.83	108.3	31.24	117.7	35.24	121.3	36.17	125.9	37.09	129.5	37.75
		750.0	91.7	22.10	99.5	26.53	108.3	30.88	117.7	34.89	121.3	35.81	125.9	36.71	129.5	37.33
120	10	200.0	128.1	9.20	138.7	10.72	151.1	12.41	164.2	14.00	169.1	14.40	175.7	14.75	180.6	14.94
		250.0	128.1	9.01	138.7	10.54	151.1	12.23	164.2	13.77	169.1	14.15	175.7	14.50	180.6	14.72
		500.0	128.1	8.26	138.7	9.85	151.1	11.49	164.2	12.87	169.1	13.18	175.7	13.52	180.6	13.82
		625.0	128.1	8.02	138.7	9.56	151.1	11.23	164.2	12.59	169.1	12.97	175.7	13.29	180.6	13.52
		750.0	128.1	7.90	138.7	9.41	151.1	11.09	164.2	12.45	169.1	12.86	175.7	13.17	180.6	13.37
	15	200.0	126.6	12.20	137.1	14.18	149.4	16.48	162.3	18.57	167.2	19.03	173.7	19.49	178.6	19.80
		250.0	126.6	11.95	137.1	13.95	149.4	16.22	162.3	18.27	167.2	18.72	173.7	19.18	178.6	19.50
		500.0	126.6	10.98	137.1	13.03	149.4	15.18	162.3	17.08	167.2	17.50	173.7	17.96	178.6	18.32
		625.0	126.6	10.67	137.1	12.73	149.4	14.87	162.3	16.73	167.2	17.18	173.7	17.61	178.6	17.90
		750.0	126.6	10.52	137.1	12.57	149.4	14.71	162.3	16.56	167.2	17.03	173.7	17.43	178.6	17.69
	20	200.0	125.3	14.87	135.7	17.26	147.9	20.09	160.6	22.63	165.5	23.15	171.9	23.71	176.7	24.12
		250.0	125.3	14.57	135.7	16.98	147.9	19.76	160.6	22.27	165.5	22.78	171.9	23.34	176.7	23.76
		500.0	125.3	13.39	135.7	15.86	147.9	18.47	160.6	20.83	165.5	21.34	171.9	21.90	176.7	22.31
		625.0	125.3	13.03	135.7	15.54	147.9	18.11	160.6	20.42	165.5	20.93	171.9	21.45	176.7	21.80
		750.0	125.3	12.85	135.7	15.39	147.9	17.93	160.6	20.21	165.5	20.73	171.9	21.22	176.7	21.54
	25	200.0	125.3	18.26	135.7	21.22	147.9	24.71	160.6	27.79	165.5	28.47	171.9	29.18	176.7	29.69
		250.0	125.3	17.90	135.7	20.88	147.9	24.31	160.6	27.35	165.5	28.01	171.9	28.72	176.7	29.24
		500.0	125.3	16.46	135.7	19.49	147.9	22.73	160.6	25.60	165.5	26.22	171.9	26.89	176.7	27.44
		625.0	125.3	16.00	135.7	19.09	147.9	22.27	160.6	25.08	165.5	25.71	171.9	26.37	176.7	26.78
		750.0	125.3	15.77	135.7	18.89	147.9	22.03	160.6	24.82	165.5	25.45	171.9	26.11	176.7	26.44
	30	200.0	125.3	22.03	135.7	25.66	147.9	29.88	160.6	33.63	165.5	34.41	171.9	35.28	176.7	35.90
		250.0	125.3	21.60	135.7	25.24	147.9	29.39	160.6	33.09	165.5	33.87	171.9	34.72	176.7	35.34
		500.0	125.3	19.90	135.7	23.59	147.9	27.45	160.6	30.94	165.5	31.70	171.9	32.52	176.7	33.15
		625.0	125.3	19.34	135.7	23.09	147.9	26.89	160.6	30.32	165.5	31.10	171.9	31.91	176.7	32.38
		750.0	125.3	19.06	135.7	22.83	147.9	26.61	160.6	30.01	165.5	30.79	171.9	31.60	176.7	31.99

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(52HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	200.0	114.6	22.62	124.2	26.28	135.3	30.60	147.0	34.47	151.4	35.30	157.3	36.12	161.7	36.78
		250.0	114.6	22.16	124.2	25.86	135.3	30.11	147.0	33.91	151.4	34.73	157.3	35.56	161.7	36.22
		500.0	114.6	20.37	124.2	24.16	135.3	28.16	147.0	31.70	151.4	32.48	157.3	33.34	161.7	33.97
		625.0	114.6	19.81	124.2	23.66	135.3	27.60	147.0	31.09	151.4	31.87	157.3	32.68	161.7	33.19
		750.0	114.6	19.52	124.2	23.40	135.3	27.32	147.0	30.78	151.4	31.56	157.3	32.35	161.7	32.79
	40	200.0	104.0	24.34	112.6	28.26	122.7	32.96	133.4	37.08	137.4	37.97	142.7	38.89	146.7	39.60
		250.0	104.0	23.86	112.6	27.81	122.7	32.42	133.4	36.48	137.4	37.36	142.7	38.28	146.7	38.99
		500.0	104.0	21.95	112.6	26.01	122.7	30.31	133.4	34.12	137.4	34.95	142.7	35.87	146.7	36.58
		625.0	104.0	21.34	112.6	25.45	122.7	29.70	133.4	33.45	137.4	34.32	142.7	35.19	146.7	35.71
		750.0	104.0	21.03	112.6	25.17	122.7	29.39	133.4	33.12	137.4	34.01	142.7	34.86	146.7	35.27
	45	200.0	93.4	26.06	101.1	30.24	110.1	35.31	119.9	39.69	123.4	40.63	128.2	41.65	131.6	42.41
		250.0	93.4	25.55	101.1	29.76	110.1	34.73	119.9	39.05	123.4	39.98	128.2	41.00	131.6	41.76
		500.0	93.4	23.54	101.1	27.86	110.1	32.47	119.9	36.53	123.4	37.41	128.2	38.39	131.6	39.18
		625.0	93.4	22.86	101.1	27.25	110.1	31.80	119.9	35.82	123.4	36.77	128.2	37.71	131.6	38.23
		750.0	93.4	22.53	101.1	26.94	110.1	31.46	119.9	35.46	123.4	36.45	128.2	37.37	131.6	37.76
110	10	200.0	120.8	8.68	130.9	10.05	142.5	11.76	154.8	13.21	159.4	13.51	165.7	13.90	170.2	14.13
		250.0	120.8	8.50	130.9	9.89	142.5	11.56	154.8	13.00	159.4	13.31	165.7	13.68	170.2	13.90
		500.0	120.8	7.81	130.9	9.25	142.5	10.79	154.8	12.15	159.4	12.51	165.7	12.81	170.2	13.02
		625.0	120.8	7.60	130.9	9.06	142.5	10.54	154.8	11.96	159.4	12.18	165.7	12.56	170.2	12.70
		750.0	120.8	7.50	130.9	8.96	142.5	10.41	154.8	11.87	159.4	12.01	165.7	12.43	170.2	12.54
	15	200.0	120.1	11.62	130.1	13.51	141.7	15.74	154.0	17.73	158.5	18.14	164.7	18.60	169.3	18.93
		250.0	120.1	11.39	130.1	13.29	141.7	15.49	154.0	17.44	158.5	17.85	164.7	18.31	169.3	18.63
		500.0	120.1	10.47	130.1	12.42	141.7	14.48	154.0	16.31	158.5	16.72	164.7	17.14	169.3	17.45
		625.0	120.1	10.20	130.1	12.16	141.7	14.16	154.0	16.00	158.5	16.37	164.7	16.82	169.3	17.03
		750.0	120.1	10.07	130.1	12.03	141.7	14.01	154.0	15.85	158.5	16.20	164.7	16.67	169.3	16.81
	20	200.0	119.5	14.24	129.3	16.58	140.9	19.29	153.2	21.74	157.7	22.26	163.8	22.79	168.5	23.19
		250.0	119.5	13.96	129.3	16.31	140.9	18.98	153.2	21.39	157.7	21.90	163.8	22.42	168.5	22.83
		500.0	119.5	12.84	129.3	15.24	140.9	17.75	153.2	20.00	157.7	20.47	163.8	20.99	168.5	21.39
		625.0	119.5	12.51	129.3	14.93	140.9	17.39	153.2	19.60	157.7	20.10	163.8	20.62	168.5	20.88
		750.0	119.5	12.35	129.3	14.77	140.9	17.20	153.2	19.39	157.7	19.92	163.8	20.43	168.5	20.62
	25	200.0	119.5	17.43	129.3	20.28	140.9	23.62	153.2	26.60	157.7	27.22	163.8	27.89	168.5	28.40
		250.0	119.5	17.09	129.3	19.95	140.9	23.24	153.2	26.17	157.7	26.79	163.8	27.45	168.5	27.96
		500.0	119.5	15.75	129.3	18.67	140.9	21.75	153.2	24.48	157.7	25.08	163.8	25.71	168.5	26.21
		625.0	119.5	15.29	129.3	18.26	140.9	21.29	153.2	24.01	157.7	24.58	163.8	25.24	168.5	25.54
		750.0	119.5	15.07	129.3	18.06	140.9	21.06	153.2	23.77	157.7	24.32	163.8	25.00	168.5	25.21
	30	200.0	119.5	21.26	129.3	24.72	140.9	28.79	153.2	32.44	157.7	33.21	163.8	33.99	168.5	34.61
		250.0	119.5	20.84	129.3	24.32	140.9	28.32	153.2	31.91	157.7	32.68	163.8	33.45	168.5	34.07
		500.0	119.5	19.18	129.3	22.74	140.9	26.47	153.2	29.82	157.7	30.57	163.8	31.35	168.5	31.92
		625.0	119.5	18.67	129.3	22.27	140.9	25.96	153.2	29.25	157.7	29.96	163.8	30.74	168.5	31.14
		750.0	119.5	18.41	129.3	22.03	140.9	25.70	153.2	28.96	157.7	29.66	163.8	30.43	168.5	30.75
	35	200.0	111.3	22.13	120.5	25.71	131.3	29.93	142.7	33.73	147.0	34.52	152.7	35.35	157.0	36.01
		250.0	111.3	21.70	120.5	25.30	131.3	29.45	142.7	33.19	147.0	33.96	152.7	34.79	157.0	35.44
		500.0	111.3	19.95	120.5	23.65	131.3	27.55	142.7	31.03	147.0	31.76	152.7	32.58	157.0	33.20
		625.0	111.3	19.39	120.5	23.14	131.3	26.98	142.7	30.42	147.0	31.19	152.7	31.96	157.0	32.38
		750.0	111.3	19.11	120.5	22.89	131.3	26.69	142.7	30.11	147.0	30.90	152.7	31.65	157.0	31.96
	40	200.0	103.1	24.29	111.7	28.26	121.6	32.90	132.2	37.02	136.2	37.91	141.5	38.83	145.4	39.55
		250.0	103.1	23.81	111.7	27.80	121.6	32.37	132.2	36.43	136.2	37.30	141.5	38.22	145.4	38.93
		500.0	103.1	21.91	111.7	25.97	121.6	30.27	132.2	34.07	136.2	34.89	141.5	35.81	145.4	36.47
		625.0	103.1	21.29	111.7	25.41	121.6	29.65	132.2	33.40	136.2	34.26	141.5	35.14	145.4	35.55
		750.0	103.1	20.98	111.7	25.12	121.6	29.34	132.2	33.06	136.2	33.95	141.5	34.80	145.4	35.09
	45	200.0	94.9	26.45	102.9	30.81	111.9	35.87	121.8	40.32	125.4	41.31	130.3	42.32	133.9	43.10
		250.0	94.9	25.93	102.9	30.31	111.9	35.29	121.8	39.67	125.4	40.65	130.3	41.66	133.9	42.42
		500.0	94.9	23.86	102.9	28.29	111.9	32.98	121.8	37.11	125.4	38.02	130.3	39.04	133.9	39.75
		625.0	94.9	23.19	102.9	27.67	111.9	32.32	121.8	36.38	125.4	37.34	130.3	38.32	133.9	38.73
		750.0	94.9	22.85	102.9	27.36	111.9	31.99	121.8	36.02	125.4	37.00	130.3	37.95	133.9	38.22
100	10	200.0	113.6	8.21	123.0	9.54	133.9	11.00	145.6	12.49	150.0	12.70	155.8	13.10	160.2	13.33
		250.0	113.6	8.05	123.0	9.38	133.9	10.83	145.6	12.29	150.0	12.50	155.8	12.88	160.2	13.11
		500.0	113.6	7.40	123.0	8.74	133.9	10.16	145.6	11.49	150.0	11.74	155.8	12.03	160.2	12.27
		625.0	113.6	7.15	123.0	8.54	133.9	9.94	145.6	11.24	150.0	11.51	155.8	11.79	160.2	11.89
		750.0	113.6	7.02	123.0	8.43	133.9	9.82	145.6	11.12	150.0	11.39	155.8	11.67	160.2	11.70
	15	200.0	113.6	11.10	123.0	12.88	133.9	14.97	145.6	16.89	150.0	17.26	155.8	17.73	160.2	18.03
		250.0	113.6	10.88	123.0	12.67	133.9	14.73	145.6	16.62	150.0	16.99	155.8	17.44	160.2	17.74
		500.0	113.6	10.00	123.0	11.85	133.9	13.79	145.6	15.54	150.0	15.90	155.8	16.31	160.2	16.61
		625.0	113.6	9.70	123.0	11.59	133.9	13.50	145.6	15.23	150.0	15.60	155.8	16.00	160.2	16.16
		750.0	113.6	9.54	123.0	11.46	133.9	13.35	145.6	15.07	150.0	15.45	155.8	15.85	160.2	15.93

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(52HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	200.0	113.6	13.66	123.0	15.85	133.9	18.50	145.6	20.81	150.0	21.32	155.8	21.84	160.2	22.21
		250.0	113.6	13.39	123.0	15.60	133.9	18.21	145.6	20.47	150.0	20.98	155.8	21.49	160.2	21.86
		500.0	113.6	12.31	123.0	14.61	133.9	17.03	145.6	19.14	150.0	19.60	155.8	20.11	160.2	20.47
		625.0	113.6	11.96	123.0	14.31	133.9	16.67	145.6	18.78	150.0	19.24	155.8	19.75	160.2	19.95
		750.0	113.6	11.79	123.0	14.16	133.9	16.49	145.6	18.59	150.0	19.05	155.8	19.57	160.2	19.70
	25	200.0	113.6	16.64	123.0	19.35	133.9	22.54	145.6	25.40	150.0	26.01	155.8	26.64	160.2	27.10
		250.0	113.6	16.32	123.0	19.03	133.9	22.17	145.6	24.98	150.0	25.59	155.8	26.22	160.2	26.68
		500.0	113.6	15.03	123.0	17.80	133.9	20.73	145.6	23.34	150.0	23.91	155.8	24.52	160.2	24.98
		625.0	113.6	14.61	123.0	17.44	133.9	20.31	145.6	22.88	150.0	23.45	155.8	24.06	160.2	24.32
		750.0	113.6	14.41	123.0	17.26	133.9	20.11	145.6	22.65	150.0	23.22	155.8	23.83	160.2	23.99
	30	200.0	113.6	20.47	123.0	23.83	133.9	27.75	145.6	31.23	150.0	31.97	155.8	32.74	160.2	33.36
		250.0	113.6	20.06	123.0	23.44	133.9	27.29	145.6	30.73	150.0	31.46	155.8	32.22	160.2	32.83
		500.0	113.6	18.47	123.0	21.91	133.9	25.50	145.6	28.73	150.0	29.40	155.8	30.17	160.2	30.73
		625.0	113.6	17.96	123.0	21.45	133.9	24.98	145.6	28.17	150.0	28.88	155.8	29.60	160.2	29.91
		750.0	113.6	17.70	123.0	21.21	133.9	24.72	145.6	27.89	150.0	28.61	155.8	29.32	160.2	29.50
	35	200.0	107.9	21.62	116.9	25.13	127.2	29.25	138.3	32.95	142.4	33.74	148.0	34.56	152.1	35.19
		250.0	107.9	21.19	116.9	24.72	127.2	28.79	138.3	32.42	142.4	33.20	148.0	34.02	152.1	34.63
		500.0	107.9	19.49	116.9	23.13	127.2	26.93	138.3	30.32	142.4	31.04	148.0	31.85	152.1	32.42
		625.0	107.9	18.98	116.9	22.62	127.2	26.37	138.3	29.75	142.4	30.47	148.0	31.24	152.1	31.56
		750.0	107.9	18.72	116.9	22.37	127.2	26.09	138.3	29.47	142.4	30.18	148.0	30.94	152.1	31.12
	40	200.0	102.2	24.28	110.7	28.21	120.5	32.85	131.0	36.98	135.0	37.86	140.3	38.79	144.1	39.46
		250.0	102.2	23.79	110.7	27.75	120.5	32.32	131.0	36.38	135.0	37.25	140.3	38.17	144.1	38.84
		500.0	102.2	21.86	110.7	25.95	120.5	30.21	131.0	34.02	135.0	34.84	140.3	35.71	144.1	36.37
		625.0	102.2	21.28	110.7	25.39	120.5	29.60	131.0	33.35	135.0	34.17	140.3	35.05	144.1	35.41
		750.0	102.2	20.99	110.7	25.11	120.5	29.29	131.0	33.02	135.0	33.84	140.3	34.71	144.1	34.92
	45	200.0	96.4	26.95	104.5	31.29	113.8	36.46	123.7	41.01	127.5	41.97	132.5	43.02	136.1	43.74
		250.0	96.4	26.40	104.5	30.78	113.8	35.86	123.7	40.34	127.5	41.30	132.5	42.32	136.1	43.05
		500.0	96.4	24.23	104.5	28.77	113.8	33.49	123.7	37.71	127.5	38.63	132.5	39.57	136.1	40.32
		625.0	96.4	23.58	104.5	28.15	113.8	32.82	123.7	36.95	127.5	37.87	132.5	38.85	136.1	39.25
		750.0	96.4	23.26	104.5	27.84	113.8	32.48	123.7	36.57	127.5	37.49	132.5	38.49	136.1	38.72
90	10	200.0	102.2	6.99	110.7	8.12	120.5	9.48	131.0	10.73	135.0	10.92	140.3	11.15	144.1	11.48
		250.0	102.2	6.86	110.7	8.00	120.5	9.33	131.0	10.56	135.0	10.76	140.3	11.00	144.1	11.30
		500.0	102.2	6.35	110.7	7.54	120.5	8.75	131.0	9.90	135.0	10.11	140.3	10.41	144.1	10.56
		625.0	102.2	6.17	110.7	7.30	120.5	8.58	131.0	9.62	135.0	9.91	140.3	10.21	144.1	10.22
		750.0	102.2	6.07	110.7	7.18	120.5	8.50	131.0	9.49	135.0	9.81	140.3	10.11	144.1	10.04
	15	200.0	102.2	9.52	110.7	11.06	120.5	12.89	131.0	14.54	135.0	14.86	140.3	15.22	144.1	15.53
		250.0	102.2	9.34	110.7	10.88	120.5	12.68	131.0	14.31	135.0	14.62	140.3	14.98	144.1	15.29
		500.0	102.2	8.61	110.7	10.20	120.5	11.86	131.0	13.38	135.0	13.69	140.3	14.05	144.1	14.31
		625.0	102.2	8.36	110.7	9.95	120.5	11.64	131.0	13.08	135.0	13.44	140.3	13.79	144.1	13.90
		750.0	102.2	8.24	110.7	9.83	120.5	11.53	131.0	12.94	135.0	13.31	140.3	13.66	144.1	13.70
	20	200.0	102.2	11.77	110.7	13.67	120.5	15.91	131.0	17.94	135.0	18.36	140.3	18.83	144.1	19.13
		250.0	102.2	11.54	110.7	13.44	120.5	15.65	131.0	17.64	135.0	18.06	140.3	18.52	144.1	18.83
		500.0	102.2	10.62	110.7	12.57	120.5	14.62	131.0	16.47	135.0	16.88	140.3	17.29	144.1	17.64
		625.0	102.2	10.31	110.7	12.31	120.5	14.36	131.0	16.16	135.0	16.57	140.3	16.98	144.1	17.18
		750.0	102.2	10.16	110.7	12.18	120.5	14.22	131.0	16.00	135.0	16.41	140.3	16.82	144.1	16.95
	25	200.0	102.2	14.34	110.7	16.68	120.5	19.40	131.0	21.85	135.0	22.37	140.3	22.93	144.1	23.35
		250.0	102.2	14.05	110.7	16.41	120.5	19.09	131.0	21.50	135.0	22.01	140.3	22.57	144.1	22.98
		500.0	102.2	12.93	110.7	15.33	120.5	17.85	131.0	20.11	135.0	20.58	140.3	21.13	144.1	21.49
		625.0	102.2	12.57	110.7	14.98	120.5	17.50	131.0	19.71	135.0	20.21	140.3	20.73	144.1	20.93
		750.0	102.2	12.39	110.7	14.81	120.5	17.32	131.0	19.50	135.0	20.03	140.3	20.52	144.1	20.65
	30	200.0	102.2	17.63	110.7	20.50	120.5	23.88	131.0	26.90	135.0	27.52	140.3	28.21	144.1	28.72
		250.0	102.2	17.28	110.7	20.17	120.5	23.49	131.0	26.47	135.0	27.08	140.3	27.75	144.1	28.26
		500.0	102.2	15.90	110.7	18.83	120.5	21.96	131.0	24.72	135.0	25.34	140.3	25.96	144.1	26.43
		625.0	102.2	15.45	110.7	18.46	120.5	21.50	131.0	24.26	135.0	24.83	140.3	25.50	144.1	25.75
		750.0	102.2	15.22	110.7	18.28	120.5	21.27	131.0	24.03	135.0	24.58	140.3	25.27	144.1	25.40
	35	200.0	99.4	19.05	107.6	22.11	117.2	25.76	127.4	28.99	131.2	29.68	136.3	30.40	140.1	30.96
		250.0	99.4	18.67	107.6	21.75	117.2	25.34	127.4	28.53	131.2	29.20	136.3	29.92	140.1	30.47
		500.0	99.4	17.14	107.6	20.32	117.2	23.70	127.4	26.68	131.2	27.30	136.3	28.01	140.1	28.53
		625.0	99.4	16.68	107.6	19.91	117.2	23.20	127.4	26.16	131.2	26.82	136.3	27.50	140.1	27.76
		750.0	99.4	16.44	107.6	19.70	117.2	22.94	127.4	25.90	131.2	26.58	136.3	27.24	140.1	27.38
	40	200.0	96.6	21.87	104.6	25.39	113.9	29.57	123.7	33.32	127.5	34.10	132.4	34.93	136.2	35.55
		250.0	96.6	21.44	104.6	24.98	113.9	29.10	123.7	32.78	127.5	33.56	132.4	34.37	136.2	34.99
		500.0	96.6	19.71	104.6	23.35	113.9	27.24	123.7	30.64	127.5	31.39	132.4	32.17	136.2	32.78
		625.0	96.6	19.14	104.6	22.87	113.9	26.68	123.7	30.06	127.5	30.78	132.4	31.59	136.2	31.91
		750.0	96.6	18.86	104.6	22.63	113.9	26.39	123.7	29.77	127.5	30.48	132.4	31.30	136.2	31.47

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(52HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	200.0	93.7	24.70	101.6	28.68	110.5	33.38	120.1	37.65	123.9	38.52	128.5	39.46	132.2	40.14
		250.0	93.7	24.21	101.6	28.21	110.5	32.85	120.1	37.04	123.9	37.91	128.5	38.83	132.2	39.51
		500.0	93.7	22.27	101.6	26.38	110.5	30.77	120.1	34.60	123.9	35.48	128.5	36.34	132.2	37.04
		625.0	93.7	21.61	101.6	25.84	110.5	30.16	120.1	33.95	123.9	34.74	128.5	35.69	132.2	36.05
		750.0	93.7	21.28	101.6	25.57	110.5	29.85	120.1	33.63	123.9	34.37	128.5	35.37	132.2	35.56
80	10	200.0	90.8	5.95	98.4	6.81	107.2	7.92	116.5	9.03	120.0	9.17	124.7	9.44	128.1	9.53
		250.0	90.8	5.82	98.4	6.72	107.2	7.81	116.5	8.87	120.0	9.03	124.7	9.28	128.1	9.38
		500.0	90.8	5.30	98.4	6.36	107.2	7.35	116.5	8.25	120.0	8.48	124.7	8.63	128.1	8.79
		625.0	90.8	5.22	98.4	6.17	107.2	7.21	116.5	8.11	120.0	8.26	124.7	8.50	128.1	8.58
		750.0	90.8	5.19	98.4	6.07	107.2	7.14	116.5	8.03	120.0	8.15	124.7	8.44	128.1	8.48
	15	200.0	90.8	8.01	98.4	9.28	107.2	10.80	116.5	12.20	120.0	12.46	124.7	12.78	128.1	12.99
		250.0	90.8	7.85	98.4	9.13	107.2	10.63	116.5	12.00	120.0	12.27	124.7	12.57	128.1	12.78
		500.0	90.8	7.19	98.4	8.56	107.2	9.95	116.5	11.19	120.0	11.48	124.7	11.75	128.1	11.96
		625.0	90.8	7.03	98.4	8.36	107.2	9.75	116.5	10.99	120.0	11.24	124.7	11.55	128.1	11.65
		750.0	90.8	6.94	98.4	8.26	107.2	9.65	116.5	10.88	120.0	11.12	124.7	11.45	128.1	11.49
	20	200.0	90.8	9.85	98.4	11.47	107.2	13.35	116.5	15.03	120.0	15.39	124.7	15.74	128.1	16.06
		250.0	90.8	9.65	98.4	11.28	107.2	13.13	116.5	14.78	120.0	15.14	124.7	15.50	128.1	15.80
		500.0	90.8	8.88	98.4	10.52	107.2	12.27	116.5	13.80	120.0	14.15	124.7	14.52	128.1	14.78
		625.0	90.8	8.63	98.4	10.31	107.2	12.01	116.5	13.55	120.0	13.90	124.7	14.25	128.1	14.37
		750.0	90.8	8.50	98.4	10.21	107.2	11.88	116.5	13.42	120.0	13.77	124.7	14.12	128.1	14.17
	25	200.0	90.8	12.04	98.4	13.98	107.2	16.26	116.5	18.30	120.0	18.77	124.7	19.23	128.1	19.56
		250.0	90.8	11.80	98.4	13.75	107.2	16.00	116.5	18.01	120.0	18.46	124.7	18.92	128.1	19.25
		500.0	90.8	10.83	98.4	12.84	107.2	14.97	116.5	16.87	120.0	17.25	124.7	17.70	128.1	18.01
		625.0	90.8	10.52	98.4	12.57	107.2	14.67	116.5	16.52	120.0	16.93	124.7	17.39	128.1	17.54
		750.0	90.8	10.37	98.4	12.44	107.2	14.52	116.5	16.34	120.0	16.78	124.7	17.23	128.1	17.31
	30	200.0	90.8	14.76	98.4	17.16	107.2	20.02	116.5	22.53	120.0	23.05	124.7	23.62	128.1	24.08
		250.0	90.8	14.48	98.4	16.89	107.2	19.70	116.5	22.16	120.0	22.68	124.7	23.24	128.1	23.69
		500.0	90.8	13.33	98.4	15.80	107.2	18.42	116.5	20.73	120.0	21.23	124.7	21.76	128.1	22.16
		625.0	90.8	12.97	98.4	15.45	107.2	18.01	116.5	20.32	120.0	20.83	124.7	21.34	128.1	21.59
		750.0	90.8	12.79	98.4	15.28	107.2	17.81	116.5	20.12	120.0	20.63	124.7	21.14	128.1	21.31
	35	200.0	90.8	16.43	98.4	19.09	107.2	22.21	116.5	25.03	120.0	25.66	124.7	26.28	128.1	26.75
		250.0	90.8	16.11	98.4	18.78	107.2	21.86	116.5	24.63	120.0	25.24	124.7	25.86	128.1	26.32
		500.0	90.8	14.83	98.4	17.55	107.2	20.47	116.5	23.04	120.0	23.59	124.7	24.17	128.1	24.62
		625.0	90.8	14.41	98.4	17.18	107.2	20.06	116.5	22.58	120.0	23.14	124.7	23.75	128.1	23.96
		750.0	90.8	14.20	98.4	17.00	107.2	19.85	116.5	22.35	120.0	22.91	124.7	23.54	128.1	23.63
	40	200.0	90.8	19.47	98.4	22.63	107.2	26.34	116.5	29.67	120.0	30.36	124.7	31.12	128.1	31.65
		250.0	90.8	19.08	98.4	22.26	107.2	25.91	116.5	29.19	120.0	29.86	124.7	30.62	128.1	31.14
		500.0	90.8	17.54	98.4	20.78	107.2	24.22	116.5	27.29	120.0	27.91	124.7	28.63	128.1	29.14
		625.0	90.8	17.04	98.4	20.36	107.2	23.71	116.5	26.73	120.0	27.39	124.7	28.11	128.1	28.38
		750.0	90.8	16.78	98.4	20.15	107.2	23.46	116.5	26.45	120.0	27.14	124.7	27.85	128.1	28.00
	45	200.0	90.8	22.51	98.4	26.17	107.2	30.47	116.5	34.30	120.0	35.05	124.7	35.96	128.1	36.55
		250.0	90.8	22.05	98.4	25.74	107.2	29.96	116.5	33.75	120.0	34.48	124.7	35.38	128.1	35.97
		500.0	90.8	20.26	98.4	24.02	107.2	27.97	116.5	31.55	120.0	32.23	124.7	33.09	128.1	33.67
		625.0	90.8	19.66	98.4	23.54	107.2	27.37	116.5	30.88	120.0	31.65	124.7	32.48	128.1	32.80
		750.0	90.8	19.36	98.4	23.30	107.2	27.07	116.5	30.55	120.0	31.36	124.7	32.17	128.1	32.36
70	10	200.0	79.5	4.87	86.1	5.68	93.8	6.58	101.9	7.42	104.9	7.66	109.0	7.86	112.1	7.92
		250.0	79.5	4.78	86.1	5.59	93.8	6.48	101.9	7.31	104.9	7.54	109.0	7.74	112.1	7.81
		500.0	79.5	4.43	86.1	5.20	93.8	6.06	101.9	6.89	104.9	7.05	109.0	7.25	112.1	7.35
		625.0	79.5	4.33	86.1	5.09	93.8	5.97	101.9	6.72	104.9	6.87	109.0	7.06	112.1	7.16
		750.0	79.5	4.27	86.1	5.03	93.8	5.92	101.9	6.63	104.9	6.78	109.0	6.96	112.1	7.06
	15	200.0	79.5	6.64	86.1	7.72	93.8	8.97	101.9	10.11	104.9	10.37	109.0	10.63	112.1	10.80
		250.0	79.5	6.51	86.1	7.60	93.8	8.83	101.9	9.95	104.9	10.20	109.0	10.46	112.1	10.63
		500.0	79.5	5.99	86.1	7.09	93.8	8.26	101.9	9.33	104.9	9.54	109.0	9.80	112.1	9.95
		625.0	79.5	5.84	86.1	6.93	93.8	8.10	101.9	9.13	104.9	9.35	109.0	9.60	112.1	9.70
		750.0	79.5	5.76	86.1	6.86	93.8	8.02	101.9	9.04	104.9	9.25	109.0	9.49	112.1	9.57
	20	200.0	79.5	8.22	86.1	9.54	93.8	11.10	101.9	12.51	104.9	12.78	109.0	13.09	112.1	13.35
		250.0	79.5	8.05	86.1	9.38	93.8	10.92	101.9	12.30	104.9	12.57	109.0	12.88	112.1	13.13
		500.0	79.5	7.39	86.1	8.77	93.8	10.21	101.9	11.49	104.9	11.75	109.0	12.06	112.1	12.27
		625.0	79.5	7.18	86.1	8.57	93.8	10.00	101.9	11.28	104.9	11.55	109.0	11.85	112.1	11.95
		750.0	79.5	7.08	86.1	8.48	93.8	9.89	101.9	11.17	104.9	11.45	109.0	11.74	112.1	11.80
	25	200.0	79.5	9.99	86.1	11.63	93.8	13.51	101.9	15.23	104.9	15.59	109.0	15.96	112.1	16.26
		250.0	79.5	9.80	86.1	11.44	93.8	13.30	101.9	14.98	104.9	15.34	109.0	15.71	112.1	16.00
		500.0	79.5	9.02	86.1	10.67	93.8	12.46	101.9	14.01	104.9	14.36	109.0	14.72	112.1	14.98
		625.0	79.5	8.77	86.1	10.46	93.8	12.20	101.9	13.75	104.9	14.06	109.0	14.42	112.1	14.58
		750.0	79.5	8.64	86.1	10.35	93.8	12.07	101.9	13.62	104.9	13.91	109.0	14.27	112.1	14.37

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(52HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	200.0	79.5	12.30	86.1	14.28	93.8	16.63	101.9	18.73	104.9	19.19	109.0	19.65	112.1	20.02
		250.0	79.5	12.05	86.1	14.05	93.8	16.36	101.9	18.43	104.9	18.88	109.0	19.34	112.1	19.70
		500.0	79.5	11.08	86.1	13.13	93.8	15.29	101.9	17.24	104.9	17.65	109.0	18.10	112.1	18.42
		625.0	79.5	10.77	86.1	12.87	93.8	14.98	101.9	16.89	104.9	17.33	109.0	17.75	112.1	17.96
		750.0	79.5	10.62	86.1	12.74	93.8	14.82	101.9	16.71	104.9	17.17	109.0	17.58	112.1	17.72
	35	200.0	79.5	13.66	86.1	15.85	93.8	18.51	101.9	20.81	104.9	21.32	109.0	21.84	112.1	22.21
		250.0	79.5	13.39	86.1	15.60	93.8	18.21	101.9	20.47	104.9	20.98	109.0	21.49	112.1	21.86
		500.0	79.5	12.31	86.1	14.61	93.8	16.99	101.9	19.14	104.9	19.60	109.0	20.11	112.1	20.47
		625.0	79.5	11.96	86.1	14.27	93.8	16.67	101.9	18.78	104.9	19.24	109.0	19.74	112.1	19.95
		750.0	79.5	11.79	86.1	14.10	93.8	16.51	101.9	18.59	104.9	19.05	109.0	19.56	112.1	19.70
	40	200.0	79.5	16.18	86.1	18.77	93.8	21.90	101.9	24.66	104.9	25.24	109.0	25.86	112.1	26.32
		250.0	79.5	15.86	86.1	18.47	93.8	21.55	101.9	24.26	104.9	24.83	109.0	25.44	112.1	25.90
		500.0	79.5	14.58	86.1	17.29	93.8	20.16	101.9	22.68	104.9	23.23	109.0	23.80	112.1	24.26
		625.0	79.5	14.16	86.1	16.93	93.8	19.71	101.9	22.22	104.9	22.78	109.0	23.39	112.1	23.60
		750.0	79.5	13.95	86.1	16.74	93.8	19.48	101.9	21.99	104.9	22.55	109.0	23.18	112.1	23.27
	45	200.0	79.5	18.70	86.1	21.69	93.8	25.29	101.9	28.52	104.9	29.16	109.0	29.87	112.1	30.42
		250.0	79.5	18.32	86.1	21.34	93.8	24.89	101.9	28.06	104.9	28.69	109.0	29.39	112.1	29.95
		500.0	79.5	16.84	86.1	19.97	93.8	23.33	101.9	26.22	104.9	26.86	109.0	27.50	112.1	28.06
		625.0	79.5	16.36	86.1	19.58	93.8	22.74	101.9	25.66	104.9	26.33	109.0	27.04	112.1	27.25
		750.0	79.5	16.12	86.1	19.38	93.8	22.45	101.9	25.39	104.9	26.06	109.0	26.80	112.1	26.84
60	10	200.0	68.2	3.88	73.8	4.51	80.3	5.22	87.3	5.97	90.0	6.12	93.5	6.21	96.1	6.33
		250.0	68.2	3.81	73.8	4.43	80.3	5.15	87.3	5.86	90.0	6.02	93.5	6.12	96.1	6.23
		500.0	68.2	3.51	73.8	4.14	80.3	4.88	87.3	5.46	90.0	5.59	93.5	5.77	96.1	5.86
		625.0	68.2	3.37	73.8	4.10	80.3	4.79	87.3	5.38	90.0	5.49	93.5	5.62	96.1	5.72
		750.0	68.2	3.30	73.8	4.08	80.3	4.74	87.3	5.33	90.0	5.44	93.5	5.55	96.1	5.65
	15	200.0	68.2	5.29	73.8	6.15	80.3	7.14	87.3	8.08	90.0	8.29	93.5	8.45	96.1	8.60
		250.0	68.2	5.18	73.8	6.05	80.3	7.03	87.3	7.95	90.0	8.15	93.5	8.31	96.1	8.47
		500.0	68.2	4.77	73.8	5.64	80.3	6.61	87.3	7.43	90.0	7.60	93.5	7.80	96.1	7.95
		625.0	68.2	4.62	73.8	5.54	80.3	6.46	87.3	7.28	90.0	7.45	93.5	7.64	96.1	7.74
		750.0	68.2	4.55	73.8	5.49	80.3	6.39	87.3	7.21	90.0	7.38	93.5	7.56	96.1	7.64
	20	200.0	68.2	6.54	73.8	7.61	80.3	8.85	87.3	9.95	90.0	10.21	93.5	10.43	96.1	10.63
		250.0	68.2	6.41	73.8	7.49	80.3	8.71	87.3	9.80	90.0	10.05	93.5	10.27	96.1	10.46
		500.0	68.2	5.89	73.8	6.98	80.3	8.15	87.3	9.18	90.0	9.38	93.5	9.60	96.1	9.80
		625.0	68.2	5.74	73.8	6.82	80.3	7.96	87.3	8.98	90.0	9.19	93.5	9.44	96.1	9.54
		750.0	68.2	5.66	73.8	6.74	80.3	7.86	87.3	8.88	90.0	9.09	93.5	9.36	96.1	9.41
	25	200.0	68.2	7.96	73.8	9.28	80.3	10.80	87.3	12.15	90.0	12.42	93.5	12.72	96.1	12.98
		250.0	68.2	7.80	73.8	9.13	80.3	10.62	87.3	11.95	90.0	12.22	93.5	12.52	96.1	12.77
		500.0	68.2	7.18	73.8	8.52	80.3	9.91	87.3	11.18	90.0	11.44	93.5	11.74	96.1	11.95
		625.0	68.2	6.98	73.8	8.31	80.3	9.71	87.3	10.93	90.0	11.23	93.5	11.50	96.1	11.64
		750.0	68.2	6.88	73.8	8.21	80.3	9.60	87.3	10.81	90.0	11.13	93.5	11.38	96.1	11.48
	30	200.0	68.2	9.79	73.8	11.37	80.3	13.25	87.3	14.91	90.0	15.28	93.5	15.64	96.1	15.96
		250.0	68.2	9.60	73.8	11.19	80.3	13.04	87.3	14.68	90.0	15.04	93.5	15.40	96.1	15.70
		500.0	68.2	8.83	73.8	10.47	80.3	12.21	87.3	13.75	90.0	14.06	93.5	14.42	96.1	14.68
		625.0	68.2	8.57	73.8	10.26	80.3	11.95	87.3	13.49	90.0	13.80	93.5	14.16	96.1	14.31
		750.0	68.2	8.44	73.8	10.15	80.3	11.82	87.3	13.36	90.0	13.67	93.5	14.03	96.1	14.13
	35	200.0	68.2	10.89	73.8	12.67	80.3	14.76	87.3	16.58	90.0	16.99	93.5	17.42	96.1	17.72
		250.0	68.2	10.67	73.8	12.46	80.3	14.51	87.3	16.32	90.0	16.72	93.5	17.14	96.1	17.44
		500.0	68.2	9.81	73.8	11.64	80.3	13.55	87.3	15.29	90.0	15.65	93.5	16.01	96.1	16.32
		625.0	68.2	9.54	73.8	11.39	80.3	13.29	87.3	14.97	90.0	15.34	93.5	15.75	96.1	15.90
		750.0	68.2	9.41	73.8	11.27	80.3	13.16	87.3	14.82	90.0	15.19	93.5	15.61	96.1	15.69
	40	200.0	68.2	12.87	73.8	14.97	80.3	17.47	87.3	19.66	90.0	20.12	93.5	20.59	96.1	21.01
		250.0	68.2	12.62	73.8	14.73	80.3	17.18	87.3	19.34	90.0	19.80	93.5	20.27	96.1	20.67
		500.0	68.2	11.64	73.8	13.79	80.3	16.06	87.3	18.07	90.0	18.52	93.5	18.98	96.1	19.34
		625.0	68.2	11.29	73.8	13.49	80.3	15.75	87.3	17.71	90.0	18.16	93.5	18.63	96.1	18.82
		750.0	68.2	11.11	73.8	13.34	80.3	15.59	87.3	17.53	90.0	17.98	93.5	18.45	96.1	18.56
	45	200.0	68.2	14.86	73.8	17.27	80.3	20.18	87.3	22.74	90.0	23.25	93.5	23.77	96.1	24.30
		250.0	68.2	14.58	73.8	17.01	80.3	19.85	87.3	22.36	90.0	22.87	93.5	23.40	96.1	23.90
		500.0	68.2	13.47	73.8	15.95	80.3	18.57	87.3	20.85	90.0	21.39	93.5	21.94	96.1	22.36
		625.0	68.2	13.04	73.8	15.59	80.3	18.21	87.3	20.44	90.0	20.98	93.5	21.51	96.1	21.74
		750.0	68.2	12.82	73.8	15.41	80.3	18.02	87.3	20.24	90.0	20.77	93.5	21.29	96.1	21.43
50	10	200.0	56.8	2.90	61.5	3.35	66.9	4.00	72.9	4.40	75.0	4.51	77.9	4.66	80.0	4.73
		250.0	56.8	2.83	61.5	3.30	66.9	3.93	72.9	4.34	75.0	4.45	77.9	4.58	80.0	4.65
		500.0	56.8	2.58	61.5	3.11	66.9	3.65	72.9	4.10	75.0	4.24	77.9	4.25	80.0	4.34
		625.0	56.8	2.52	61.5	3.11	66.9	3.56	72.9	3.99	75.0	4.05	77.9	4.20	80.0	4.21
		750.0	56.8	2.49	61.5	3.11	66.9	3.52	72.9	3.94	75.0	3.96	77.9	4.17	80.0	4.15

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(52HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	200.0	56.8	3.94	61.5	4.59	66.9	5.37	72.9	5.99	75.0	6.15	77.9	6.31	80.0	6.42
		250.0	56.8	3.86	61.5	4.51	66.9	5.28	72.9	5.90	75.0	6.06	77.9	6.21	80.0	6.32
		500.0	56.8	3.55	61.5	4.21	66.9	4.93	72.9	5.54	75.0	5.69	77.9	5.80	80.0	5.90
		625.0	56.8	3.44	61.5	4.15	66.9	4.83	72.9	5.43	75.0	5.54	77.9	5.70	80.0	5.75
		750.0	56.8	3.39	61.5	4.13	66.9	4.77	72.9	5.38	75.0	5.47	77.9	5.65	80.0	5.68
	20	200.0	56.8	4.86	61.5	5.69	66.9	6.58	72.9	7.41	75.0	7.61	77.9	7.77	80.0	7.93
		250.0	56.8	4.77	61.5	5.59	66.9	6.47	72.9	7.29	75.0	7.49	77.9	7.65	80.0	7.80
		500.0	56.8	4.40	61.5	5.18	66.9	6.06	72.9	6.82	75.0	6.98	77.9	7.18	80.0	7.29
		625.0	56.8	4.26	61.5	5.08	66.9	5.95	72.9	6.71	75.0	6.87	77.9	7.03	80.0	7.13
		750.0	56.8	4.19	61.5	5.03	66.9	5.89	72.9	6.66	75.0	6.81	77.9	6.96	80.0	7.04
	25	200.0	56.8	5.92	61.5	6.88	66.9	8.03	72.9	9.08	75.0	9.28	77.9	9.49	80.0	9.64
		250.0	56.8	5.80	61.5	6.78	66.9	7.90	72.9	8.92	75.0	9.13	77.9	9.34	80.0	9.49
		500.0	56.8	5.34	61.5	6.35	66.9	7.39	72.9	8.31	75.0	8.52	77.9	8.73	80.0	8.92
		625.0	56.8	5.18	61.5	6.21	66.9	7.24	72.9	8.16	75.0	8.36	77.9	8.57	80.0	8.67
		750.0	56.8	5.11	61.5	6.13	66.9	7.16	72.9	8.08	75.0	8.28	77.9	8.49	80.0	8.55
	30	200.0	56.8	7.32	61.5	8.50	66.9	9.91	72.9	11.16	75.0	11.43	77.9	11.67	80.0	11.89
		250.0	56.8	7.17	61.5	8.36	66.9	9.74	72.9	10.98	75.0	11.23	77.9	11.49	80.0	11.69
		500.0	56.8	6.57	61.5	7.80	66.9	9.09	72.9	10.26	75.0	10.47	77.9	10.77	80.0	10.93
		625.0	56.8	6.41	61.5	7.64	66.9	8.92	72.9	10.06	75.0	10.30	77.9	10.56	80.0	10.67
		750.0	56.8	6.33	61.5	7.56	66.9	8.84	72.9	9.95	75.0	10.22	77.9	10.46	80.0	10.54
	35	200.0	56.8	8.11	61.5	9.44	66.9	11.00	72.9	12.36	75.0	12.68	77.9	12.98	80.0	13.19
		250.0	56.8	7.96	61.5	9.28	66.9	10.82	72.9	12.16	75.0	12.47	77.9	12.77	80.0	12.98
		500.0	56.8	7.33	61.5	8.67	66.9	10.11	72.9	11.39	75.0	11.65	77.9	11.95	80.0	12.16
		625.0	56.8	7.13	61.5	8.51	66.9	9.90	72.9	11.18	75.0	11.44	77.9	11.74	80.0	11.85
		750.0	56.8	7.03	61.5	8.43	66.9	9.79	72.9	11.07	75.0	11.33	77.9	11.63	80.0	11.69
	40	200.0	56.8	9.63	61.5	11.17	66.9	13.03	72.9	14.65	75.0	15.01	77.9	15.37	80.0	15.64
		250.0	56.8	9.44	61.5	10.99	66.9	12.82	72.9	14.42	75.0	14.77	77.9	15.13	80.0	15.40
		500.0	56.8	8.67	61.5	10.27	66.9	11.96	72.9	13.49	75.0	13.80	77.9	14.16	80.0	14.41
		625.0	56.8	8.42	61.5	10.06	66.9	11.74	72.9	13.23	75.0	13.55	77.9	13.90	80.0	14.01
		750.0	56.8	8.29	61.5	9.95	66.9	11.63	72.9	13.10	75.0	13.42	77.9	13.76	80.0	13.82
	45	200.0	56.8	11.15	61.5	12.90	66.9	15.07	72.9	16.95	75.0	17.35	77.9	17.77	80.0	18.10
		250.0	56.8	10.92	61.5	12.69	66.9	14.82	72.9	16.68	75.0	17.07	77.9	17.49	80.0	17.81
		500.0	56.8	10.00	61.5	11.86	66.9	13.81	72.9	15.59	75.0	15.96	77.9	16.37	80.0	16.66
		625.0	56.8	9.71	61.5	11.60	66.9	13.58	72.9	15.29	75.0	15.65	77.9	16.05	80.0	16.18
		750.0	56.8	9.56	61.5	11.47	66.9	13.47	72.9	15.13	75.0	15.50	77.9	15.89	80.0	15.94

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(54HP)

ARWN540LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	207.6	140.6	10.16	152.3	11.89	165.7	13.86	180.1	15.54	185.6	15.90	192.8	16.39	198.2	16.64
		259.5	140.6	9.97	152.3	11.68	165.7	13.62	180.1	15.29	185.6	15.66	192.8	16.12	198.2	16.39
		519.0	140.6	9.24	152.3	10.87	165.7	12.69	180.1	14.30	185.6	14.71	192.8	15.04	198.2	15.38
		648.8	140.6	8.97	152.3	10.69	165.7	12.47	180.1	13.99	185.6	14.40	192.8	14.76	198.2	14.98
		778.5	140.6	8.83	152.3	10.60	165.7	12.36	180.1	13.83	185.6	14.24	192.8	14.62	198.2	14.78
	15	207.6	138.3	13.38	149.8	15.59	163.0	18.17	177.2	20.42	182.6	20.90	189.7	21.45	195.0	21.82
		259.5	138.3	13.12	149.8	15.33	163.0	17.87	177.2	20.09	182.6	20.58	189.7	21.11	195.0	21.49
		519.0	138.3	12.10	149.8	14.32	163.0	16.69	177.2	18.79	182.6	19.28	189.7	19.77	195.0	20.19
		648.8	138.3	11.77	149.8	14.03	163.0	16.36	177.2	18.42	182.6	18.90	189.7	19.38	195.0	19.71
		778.5	138.3	11.60	149.8	13.89	163.0	16.20	177.2	18.23	182.6	18.71	189.7	19.19	195.0	19.47
	20	207.6	136.2	16.25	147.6	18.88	160.7	22.01	174.7	24.75	179.9	25.35	186.8	25.94	192.2	26.42
		259.5	136.2	15.92	147.6	18.58	160.7	21.65	174.7	24.36	179.9	24.95	186.8	25.55	192.2	26.02
		519.0	136.2	14.64	147.6	17.38	160.7	20.25	174.7	22.79	179.9	23.34	186.8	23.98	192.2	24.46
		648.8	136.2	14.26	147.6	17.01	160.7	19.82	174.7	22.35	179.9	22.90	186.8	23.49	192.2	23.92
		778.5	136.2	14.07	147.6	16.82	160.7	19.61	174.7	22.13	179.9	22.68	186.8	23.25	192.2	23.65
	25	207.6	136.2	20.05	147.6	23.27	160.7	27.12	174.7	30.58	179.9	31.28	186.8	32.03	192.2	32.57
		259.5	136.2	19.66	147.6	22.90	160.7	26.68	174.7	30.08	179.9	30.77	186.8	31.54	192.2	32.08
		519.0	136.2	18.09	147.6	21.43	160.7	24.95	174.7	28.09	179.9	28.79	186.8	29.58	192.2	30.14
		648.8	136.2	17.55	147.6	20.95	160.7	24.45	174.7	27.55	179.9	28.25	186.8	29.00	192.2	29.48
		778.5	136.2	17.28	147.6	20.72	160.7	24.21	174.7	27.27	179.9	27.98	186.8	28.71	192.2	29.15
	30	207.6	136.2	24.08	147.6	27.94	160.7	32.54	174.7	36.67	179.9	37.54	186.8	38.45	192.2	39.09
		259.5	136.2	23.59	147.6	27.49	160.7	32.02	174.7	36.07	179.9	36.94	186.8	37.85	192.2	38.51
		519.0	136.2	21.66	147.6	25.70	160.7	29.96	174.7	33.70	179.9	34.56	186.8	35.47	192.2	36.18
		648.8	136.2	21.06	147.6	25.16	160.7	29.33	174.7	33.05	179.9	33.91	186.8	34.78	192.2	35.37
		778.5	136.2	20.76	147.6	24.89	160.7	29.01	174.7	32.72	179.9	33.59	186.8	34.43	192.2	34.96
	35	207.6	122.7	24.30	132.8	28.27	144.6	32.93	157.2	37.04	161.9	37.98	168.2	38.89	173.0	39.52
		259.5	122.7	23.82	132.8	27.81	144.6	32.40	157.2	36.45	161.9	37.36	168.2	38.28	173.0	38.93
		519.0	122.7	21.92	132.8	25.98	144.6	30.29	157.2	34.12	161.9	34.94	168.2	35.86	173.0	36.61
		648.8	122.7	21.32	132.8	25.43	144.6	29.65	157.2	33.43	161.9	34.29	168.2	35.16	173.0	35.75
		778.5	122.7	21.02	132.8	25.16	144.6	29.33	157.2	33.08	161.9	33.97	168.2	34.81	173.0	35.33
	40	207.6	109.0	25.68	118.1	29.80	128.5	34.73	139.7	39.09	143.9	40.00	149.5	40.97	153.7	41.72
		259.5	109.0	25.16	118.1	29.32	128.5	34.18	139.7	38.46	143.9	39.37	149.5	40.34	153.7	41.10
		519.0	109.0	23.12	118.1	27.43	128.5	31.97	139.7	35.97	143.9	36.88	149.5	37.85	153.7	38.60
		648.8	109.0	22.47	118.1	26.84	128.5	31.27	139.7	35.26	143.9	36.18	149.5	37.10	153.7	37.74
		778.5	109.0	22.14	118.1	26.54	128.5	30.92	139.7	34.91	143.9	35.83	149.5	36.73	153.7	37.31
	45	207.6	95.3	27.05	103.4	31.33	112.4	36.53	122.2	41.13	126.0	42.02	130.7	43.05	134.5	43.93
		259.5	95.3	26.50	103.4	30.83	112.4	35.95	122.2	40.46	126.0	41.38	130.7	42.40	134.5	43.26
		519.0	95.3	24.31	103.4	28.87	112.4	33.64	122.2	37.82	126.0	38.82	130.7	39.84	134.5	40.60
		648.8	95.3	23.61	103.4	28.24	112.4	32.89	122.2	37.09	126.0	38.07	130.7	39.04	134.5	39.73
		778.5	95.3	23.26	103.4	27.93	112.4	32.51	122.2	36.73	126.0	37.70	130.7	38.64	134.5	39.29
120	10	207.6	133.1	9.68	144.0	11.28	156.9	13.07	170.5	14.74	175.6	15.16	182.5	15.52	187.5	15.73
		259.5	133.1	9.48	144.0	11.10	156.9	12.87	170.5	14.50	175.6	14.90	182.5	15.26	187.5	15.49
		519.0	133.1	8.70	144.0	10.37	156.9	12.09	170.5	13.54	175.6	13.87	182.5	14.23	187.5	14.55
		648.8	133.1	8.44	144.0	10.06	156.9	11.82	170.5	13.25	175.6	13.65	182.5	13.98	187.5	14.23
		778.5	133.1	8.31	144.0	9.90	156.9	11.68	170.5	13.10	175.6	13.54	182.5	13.86	187.5	14.07
	15	207.6	131.5	12.84	142.4	14.93	155.1	17.34	168.5	19.54	173.6	20.03	180.4	20.52	185.4	20.84
		259.5	131.5	12.58	142.4	14.68	155.1	17.07	168.5	19.23	173.6	19.70	180.4	20.19	185.4	20.53
		519.0	131.5	11.55	142.4	13.71	155.1	15.98	168.5	17.98	173.6	18.42	180.4	18.90	185.4	19.28
		648.8	131.5	11.23	142.4	13.39	155.1	15.65	168.5	17.61	173.6	18.09	180.4	18.53	185.4	18.84
		778.5	131.5	11.07	142.4	13.23	155.1	15.49	168.5	17.42	173.6	17.92	180.4	18.35	185.4	18.62
	20	207.6	130.1	15.65	140.9	18.17	153.6	21.14	166.8	23.82	171.9	24.36	178.5	24.95	183.5	25.39
		259.5	130.1	15.33	140.9	17.87	153.6	20.80	166.8	23.44	171.9	23.98	178.5	24.57	183.5	25.01
		519.0	130.1	14.09	140.9	16.69	153.6	19.44	166.8	21.92	171.9	22.46	178.5	23.05	183.5	23.48
		648.8	130.1	13.71	140.9	16.36	153.6	19.06	166.8	21.49	171.9	22.03	178.5	22.57	183.5	22.94
		778.5	130.1	13.52	140.9	16.20	153.6	18.87	166.8	21.27	171.9	21.82	178.5	22.33	183.5	22.67
	25	207.6	130.1	19.22	140.9	22.34	153.6	26.01	166.8	29.25	171.9	29.96	178.5	30.72	183.5	31.25
		259.5	130.1	18.84	140.9	21.97	153.6	25.59	166.8	28.79	171.9	29.48	178.5	30.23	183.5	30.77
		519.0	130.1	17.33	140.9	20.52	153.6	23.92	166.8	26.94	171.9	27.59	178.5	28.30	183.5	28.88
		648.8	130.1	16.85	140.9	20.09	153.6	23.44	166.8	26.40	171.9	27.06	178.5	27.76	183.5	28.19
		778.5	130.1	16.60	140.9	19.88	153.6	23.19	166.8	26.13	171.9	26.79	178.5	27.49	183.5	27.83
	30	207.6	130.1	23.19	140.9	27.00	153.6	31.45	166.8	35.40	171.9	36.22	178.5	37.14	183.5	37.78
		259.5	130.1	22.74	140.9	26.57	153.6	30.94	166.8	34.82	171.9	35.65	178.5	36.55	183.5	37.20
		519.0	130.1	20.95	140.9	24.83	153.6	28.89	166.8	32.57	171.9	33.37	178.5	34.23	183.5	34.89
		648.8	130.1	20.35	140.9	24.30	153.6	28.30	166.8	31.92	171.9	32.73	178.5	33.58	183.5	34.08
		778.5	130.1	20.06	140.9	24.03	153.6	28.00	166.8	31.59	171.9	32.41	178.5	33.26	183.5	33.67

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	207.6	119.0	23.81	129.0	27.67	140.5	32.21	152.6	36.28	157.2	37.16	163.4	38.02	167.9	38.72
		259.5	119.0	23.33	129.0	27.22	140.5	31.69	152.6	35.70	157.2	36.56	163.4	37.43	167.9	38.12
		519.0	119.0	21.44	129.0	25.43	140.5	29.64	152.6	33.37	157.2	34.18	163.4	35.10	167.9	35.75
		648.8	119.0	20.85	129.0	24.90	140.5	29.05	152.6	32.72	157.2	33.54	163.4	34.40	167.9	34.93
		778.5	119.0	20.55	129.0	24.63	140.5	28.75	152.6	32.40	157.2	33.22	163.4	34.05	167.9	34.52
	40	207.6	108.0	25.62	117.0	29.75	127.4	34.69	138.6	39.03	142.7	39.96	148.2	40.93	152.3	41.68
		259.5	108.0	25.11	117.0	29.27	127.4	34.13	138.6	38.40	142.7	39.32	148.2	40.29	152.3	41.04
		519.0	108.0	23.11	117.0	27.38	127.4	31.91	138.6	35.91	142.7	36.78	148.2	37.75	152.3	38.50
		648.8	108.0	22.46	117.0	26.79	127.4	31.26	138.6	35.21	142.7	36.12	148.2	37.04	152.3	37.59
		778.5	108.0	22.13	117.0	26.49	127.4	30.93	138.6	34.86	142.7	35.79	148.2	36.69	152.3	37.13
	45	207.6	97.0	27.43	105.0	31.83	114.3	37.16	124.5	41.77	128.2	42.77	133.1	43.84	136.7	44.64
		259.5	97.0	26.90	105.0	31.33	114.3	36.56	124.5	41.10	128.2	42.08	133.1	43.15	136.7	43.95
		519.0	97.0	24.77	105.0	29.33	114.3	34.18	124.5	38.45	128.2	39.38	133.1	40.41	136.7	41.24
		648.8	97.0	24.07	105.0	28.68	114.3	33.47	124.5	37.70	128.2	38.70	133.1	39.69	136.7	40.24
		778.5	97.0	23.71	105.0	28.35	114.3	33.11	124.5	37.33	128.2	38.36	133.1	39.33	136.7	39.74
110	10	207.6	125.5	9.13	136.0	10.58	148.0	12.38	160.8	13.90	165.5	14.22	172.1	14.63	176.7	14.87
		259.5	125.5	8.95	136.0	10.41	148.0	12.17	160.8	13.68	165.5	14.01	172.1	14.40	176.7	14.63
		519.0	125.5	8.22	136.0	9.74	148.0	11.35	160.8	12.79	165.5	13.16	172.1	13.48	176.7	13.70
		648.8	125.5	8.00	136.0	9.53	148.0	11.09	160.8	12.59	165.5	12.81	172.1	13.22	176.7	13.36
		778.5	125.5	7.89	136.0	9.43	148.0	10.96	160.8	12.49	165.5	12.64	172.1	13.08	176.7	13.20
	15	207.6	124.7	12.23	135.1	14.22	147.1	16.57	159.9	18.66	164.6	19.09	171.1	19.58	175.8	19.92
		259.5	124.7	11.99	135.1	13.99	147.1	16.30	159.9	18.36	164.6	18.79	171.1	19.27	175.8	19.61
		519.0	124.7	11.02	135.1	13.07	147.1	15.24	159.9	17.17	164.6	17.60	171.1	18.04	175.8	18.37
		648.8	124.7	10.74	135.1	12.80	147.1	14.91	159.9	16.85	164.6	17.23	171.1	17.71	175.8	17.92
		778.5	124.7	10.60	135.1	12.67	147.1	14.74	159.9	16.68	164.6	17.05	171.1	17.54	175.8	17.70
	20	207.6	124.1	14.99	134.3	17.45	146.3	20.30	159.1	22.89	163.8	23.43	170.1	23.98	175.0	24.41
		259.5	124.1	14.69	134.3	17.17	146.3	19.98	159.1	22.52	163.8	23.05	170.1	23.60	175.0	24.03
		519.0	124.1	13.51	134.3	16.04	146.3	18.69	159.1	21.05	163.8	21.55	170.1	22.09	175.0	22.52
		648.8	124.1	13.17	134.3	15.71	146.3	18.30	159.1	20.63	163.8	21.16	170.1	21.70	175.0	21.97
		778.5	124.1	13.00	134.3	15.55	146.3	18.11	159.1	20.41	163.8	20.96	170.1	21.51	175.0	21.70
	25	207.6	124.1	18.35	134.3	21.35	146.3	24.86	159.1	28.00	163.8	28.65	170.1	29.36	175.0	29.89
		259.5	124.1	17.99	134.3	21.00	146.3	24.46	159.1	27.55	163.8	28.19	170.1	28.89	175.0	29.43
		519.0	124.1	16.57	134.3	19.65	146.3	22.89	159.1	25.76	163.8	26.40	170.1	27.06	175.0	27.59
		648.8	124.1	16.10	134.3	19.22	146.3	22.41	159.1	25.27	163.8	25.87	170.1	26.57	175.0	26.89
		778.5	124.1	15.86	134.3	19.01	146.3	22.17	159.1	25.02	163.8	25.60	170.1	26.32	175.0	26.54
	30	207.6	124.1	22.37	134.3	26.02	146.3	30.31	159.1	34.14	163.8	34.96	170.1	35.77	175.0	36.43
		259.5	124.1	21.93	134.3	25.60	146.3	29.81	159.1	33.58	163.8	34.40	170.1	35.21	175.0	35.86
		519.0	124.1	20.19	134.3	23.93	146.3	27.87	159.1	31.38	163.8	32.18	170.1	32.99	175.0	33.59
		648.8	124.1	19.65	134.3	23.44	146.3	27.32	159.1	30.78	163.8	31.54	170.1	32.35	175.0	32.78
		778.5	124.1	19.37	134.3	23.19	146.3	27.05	159.1	30.48	163.8	31.22	170.1	32.03	175.0	32.37
	35	207.6	115.6	23.30	125.2	27.06	136.4	31.50	148.2	35.50	152.6	36.33	158.6	37.20	163.0	37.90
		259.5	115.6	22.84	125.2	26.62	136.4	31.00	148.2	34.93	152.6	35.75	158.6	36.62	163.0	37.31
		519.0	115.6	21.00	125.2	24.89	136.4	29.00	148.2	32.66	152.6	33.43	158.6	34.29	163.0	34.94
		648.8	115.6	20.41	125.2	24.36	136.4	28.40	148.2	32.01	152.6	32.83	158.6	33.64	163.0	34.08
		778.5	115.6	20.11	125.2	24.09	136.4	28.10	148.2	31.69	152.6	32.53	158.6	33.32	163.0	33.64
	40	207.6	107.1	25.57	116.0	29.75	126.3	34.63	137.3	38.97	141.4	39.90	146.9	40.87	151.0	41.63
		259.5	107.1	25.06	116.0	29.26	126.3	34.07	137.3	38.34	141.4	39.26	146.9	40.23	151.0	40.98
		519.0	107.1	23.06	116.0	27.33	126.3	31.86	137.3	35.86	141.4	36.72	146.9	37.69	151.0	38.39
		648.8	107.1	22.41	116.0	26.74	126.3	31.21	137.3	35.15	141.4	36.07	146.9	36.99	151.0	37.42
		778.5	107.1	22.08	116.0	26.44	126.3	30.88	137.3	34.80	141.4	35.74	146.9	36.63	151.0	36.94
	45	207.6	98.6	27.84	106.9	32.44	116.2	37.75	126.5	42.43	130.2	43.48	135.3	44.54	139.0	45.36
		259.5	98.6	27.29	106.9	31.90	116.2	37.14	126.5	41.75	130.2	42.78	135.3	43.85	139.0	44.65
		519.0	98.6	25.11	106.9	29.77	116.2	34.72	126.5	39.06	130.2	40.02	135.3	41.10	139.0	41.84
		648.8	98.6	24.41	106.9	29.12	116.2	34.02	126.5	38.29	130.2	39.30	135.3	40.33	139.0	40.77
		778.5	98.6	24.05	106.9	28.80	116.2	33.67	126.5	37.91	130.2	38.94	135.3	39.95	139.0	40.23
100	10	207.6	117.9	8.64	127.7	10.04	139.1	11.57	151.2	13.15	155.8	13.36	161.8	13.79	166.3	14.03
		259.5	117.9	8.47	127.7	9.87	139.1	11.39	151.2	12.94	155.8	13.16	161.8	13.56	166.3	13.80
		519.0	117.9	7.79	127.7	9.20	139.1	10.69	151.2	12.10	155.8	12.36	161.8	12.66	166.3	12.92
		648.8	117.9	7.52	127.7	8.99	139.1	10.46	151.2	11.83	155.8	12.11	161.8	12.41	166.3	12.52
		778.5	117.9	7.39	127.7	8.88	139.1	10.34	151.2	11.70	155.8	11.99	161.8	12.28	166.3	12.32
	15	207.6	117.9	11.68	127.7	13.55	139.1	15.76	151.2	17.78	155.8	18.17	161.8	18.66	166.3	18.98
		259.5	117.9	11.45	127.7	13.34	139.1	15.51	151.2	17.49	155.8	17.88	161.8	18.36	166.3	18.68
		519.0	117.9	10.53	127.7	12.47	139.1	14.52	151.2	16.36	155.8	16.74	161.8	17.17	166.3	17.49
		648.8	117.9	10.21	127.7	12.20	139.1	14.21	151.2	16.03	155.8	16.42	161.8	16.85	166.3	17.01
		778.5	117.9	10.05	127.7	12.07	139.1	14.05	151.2	15.87	155.8	16.26	161.8	16.68	166.3	16.77

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	207.6	117.9	14.38	127.7	16.68	139.1	19.48	151.2	21.90	155.8	22.44	161.8	22.99	166.3	23.38
		259.5	117.9	14.09	127.7	16.42	139.1	19.16	151.2	21.55	155.8	22.08	161.8	22.62	166.3	23.01
		519.0	117.9	12.96	127.7	15.38	139.1	17.92	151.2	20.15	155.8	20.63	161.8	21.17	166.3	21.55
		648.8	117.9	12.59	127.7	15.06	139.1	17.54	151.2	19.76	155.8	20.25	161.8	20.79	166.3	21.00
		778.5	117.9	12.40	127.7	14.90	139.1	17.35	151.2	19.57	155.8	20.05	161.8	20.60	166.3	20.73
	25	207.6	117.9	17.52	127.7	20.36	139.1	23.72	151.2	26.73	155.8	27.38	161.8	28.04	166.3	28.53
		259.5	117.9	17.17	127.7	20.03	139.1	23.34	151.2	26.30	155.8	26.94	161.8	27.59	166.3	28.08
		519.0	117.9	15.82	127.7	18.74	139.1	21.82	151.2	24.57	155.8	25.17	161.8	25.81	166.3	26.30
		648.8	117.9	15.38	127.7	18.36	139.1	21.38	151.2	24.09	155.8	24.69	161.8	25.33	166.3	25.60
		778.5	117.9	15.16	127.7	18.17	139.1	21.16	151.2	23.84	155.8	24.44	161.8	25.08	166.3	25.25
	30	207.6	117.9	21.54	127.7	25.09	139.1	29.21	151.2	32.87	155.8	33.65	161.8	34.46	166.3	35.11
		259.5	117.9	21.12	127.7	24.68	139.1	28.73	151.2	32.34	155.8	33.11	161.8	33.91	166.3	34.55
		519.0	117.9	19.44	127.7	23.06	139.1	26.84	151.2	30.24	155.8	30.95	161.8	31.75	166.3	32.34
		648.8	117.9	18.90	127.7	22.57	139.1	26.30	151.2	29.65	155.8	30.40	161.8	31.16	166.3	31.48
		778.5	117.9	18.63	127.7	22.33	139.1	26.02	151.2	29.35	155.8	30.12	161.8	30.86	166.3	31.05
	35	207.6	112.1	22.75	121.4	26.45	132.1	30.79	143.6	34.68	147.9	35.51	153.7	36.38	158.0	37.04
		259.5	112.1	22.30	121.4	26.02	132.1	30.30	143.6	34.13	147.9	34.94	153.7	35.80	158.0	36.45
		519.0	112.1	20.52	121.4	24.35	132.1	28.35	143.6	31.92	147.9	32.67	153.7	33.53	158.0	34.13
		648.8	112.1	19.98	121.4	23.81	132.1	27.76	143.6	31.32	147.9	32.07	153.7	32.89	158.0	33.22
		778.5	112.1	19.70	121.4	23.55	132.1	27.46	143.6	31.01	147.9	31.77	153.7	32.56	158.0	32.76
	40	207.6	106.1	25.56	114.9	29.69	125.2	34.58	136.1	38.92	140.2	39.85	145.7	40.83	149.7	41.54
		259.5	106.1	25.05	114.9	29.21	125.2	34.02	136.1	38.29	140.2	39.21	145.7	40.17	149.7	40.88
		519.0	106.1	23.01	114.9	27.31	125.2	31.80	136.1	35.80	140.2	36.67	145.7	37.59	149.7	38.28
		648.8	106.1	22.40	114.9	26.72	125.2	31.15	136.1	35.11	140.2	35.97	145.7	36.89	149.7	37.27
		778.5	106.1	22.09	114.9	26.43	125.2	30.83	136.1	34.75	140.2	35.62	145.7	36.54	149.7	36.75
	45	207.6	100.2	28.37	108.5	32.94	118.2	38.37	128.5	43.16	132.4	44.18	137.6	45.28	141.3	46.04
		259.5	100.2	27.79	108.5	32.40	118.2	37.74	128.5	42.46	132.4	43.47	137.6	44.55	141.3	45.31
		519.0	100.2	25.50	108.5	30.28	118.2	35.25	128.5	39.69	132.4	40.66	137.6	41.65	141.3	42.44
		648.8	100.2	24.82	108.5	29.63	118.2	34.54	128.5	38.89	132.4	39.86	137.6	40.89	141.3	41.32
		778.5	100.2	24.48	108.5	29.30	118.2	34.19	128.5	38.49	132.4	39.46	137.6	40.51	141.3	40.75
90	10	207.6	106.1	7.36	114.9	8.55	125.2	9.98	136.1	11.29	140.2	11.50	145.7	11.74	149.7	12.09
		259.5	106.1	7.22	114.9	8.42	125.2	9.82	136.1	11.11	140.2	11.32	145.7	11.58	149.7	11.89
		519.0	106.1	6.69	114.9	7.94	125.2	9.21	136.1	10.42	140.2	10.64	145.7	10.95	149.7	11.11
		648.8	106.1	6.49	114.9	7.69	125.2	9.03	136.1	10.13	140.2	10.43	145.7	10.75	149.7	10.75
		778.5	106.1	6.39	114.9	7.56	125.2	8.95	136.1	9.98	140.2	10.33	145.7	10.64	149.7	10.57
	15	207.6	106.1	10.02	114.9	11.64	125.2	13.56	136.1	15.31	140.2	15.64	145.7	16.02	149.7	16.35
		259.5	106.1	9.83	114.9	11.46	125.2	13.35	136.1	15.06	140.2	15.39	145.7	15.77	149.7	16.09
		519.0	106.1	9.06	114.9	10.74	125.2	12.48	136.1	14.08	140.2	14.41	145.7	14.79	149.7	15.06
		648.8	106.1	8.80	114.9	10.48	125.2	12.25	136.1	13.77	140.2	14.14	145.7	14.52	149.7	14.64
		778.5	106.1	8.67	114.9	10.35	125.2	12.14	136.1	13.62	140.2	14.01	145.7	14.38	149.7	14.42
	20	207.6	106.1	12.39	114.9	14.38	125.2	16.75	136.1	18.88	140.2	19.32	145.7	19.82	149.7	20.14
		259.5	106.1	12.14	114.9	14.15	125.2	16.48	136.1	18.57	140.2	19.01	145.7	19.49	149.7	19.82
		519.0	106.1	11.18	114.9	13.23	125.2	15.39	136.1	17.34	140.2	17.77	145.7	18.20	149.7	18.57
		648.8	106.1	10.86	114.9	12.96	125.2	15.11	136.1	17.01	140.2	17.44	145.7	17.87	149.7	18.09
		778.5	106.1	10.69	114.9	12.82	125.2	14.97	136.1	16.84	140.2	17.27	145.7	17.71	149.7	17.84
	25	207.6	106.1	15.09	114.9	17.56	125.2	20.42	136.1	23.00	140.2	23.54	145.7	24.14	149.7	24.58
		259.5	106.1	14.79	114.9	17.27	125.2	20.09	136.1	22.63	140.2	23.16	145.7	23.76	149.7	24.18
		519.0	106.1	13.61	114.9	16.14	125.2	18.79	136.1	21.17	140.2	21.66	145.7	22.24	149.7	22.62
		648.8	106.1	13.23	114.9	15.77	125.2	18.42	136.1	20.74	140.2	21.27	145.7	21.82	149.7	22.03
		778.5	106.1	13.04	114.9	15.58	125.2	18.23	136.1	20.53	140.2	21.08	145.7	21.60	149.7	21.73
	30	207.6	106.1	18.56	114.9	21.58	125.2	25.13	136.1	28.32	140.2	28.97	145.7	29.69	149.7	30.23
		259.5	106.1	18.19	114.9	21.23	125.2	24.73	136.1	27.86	140.2	28.51	145.7	29.21	149.7	29.75
		519.0	106.1	16.74	114.9	19.82	125.2	23.12	136.1	26.02	140.2	26.67	145.7	27.32	149.7	27.82
		648.8	106.1	16.26	114.9	19.43	125.2	22.63	136.1	25.54	140.2	26.14	145.7	26.84	149.7	27.10
		778.5	106.1	16.02	114.9	19.24	125.2	22.39	136.1	25.30	140.2	25.87	145.7	26.59	149.7	26.74
	35	207.6	103.3	20.05	111.8	23.27	121.7	27.11	132.3	30.52	136.2	31.24	141.6	32.00	145.5	32.59
		259.5	103.3	19.65	111.8	22.89	121.7	26.67	132.3	30.03	136.2	30.73	141.6	31.49	145.5	32.07
		519.0	103.3	18.04	111.8	21.39	121.7	24.95	132.3	28.08	136.2	28.74	141.6	29.48	145.5	30.03
		648.8	103.3	17.55	111.8	20.95	121.7	24.41	132.3	27.54	136.2	28.23	141.6	28.94	145.5	29.22
		778.5	103.3	17.31	111.8	20.74	121.7	24.15	132.3	27.26	136.2	27.98	141.6	28.67	145.5	28.82
	40	207.6	100.3	23.02	108.6	26.73	118.2	31.12	128.5	35.08	132.4	35.89	137.5	36.77	141.4	37.42
		259.5	100.3	22.56	108.6	26.30	118.2	30.63	128.5	34.50	132.4	35.32	137.5	36.18	141.4	36.83
		519.0	100.3	20.74	108.6	24.58	118.2	28.67	128.5	32.25	132.4	33.04	137.5	33.86	141.4	34.50
		648.8	100.3	20.15	108.6	24.08	118.2	28.08	128.5	31.64	132.4	32.40	137.5	33.26	141.4	33.58
		778.5	100.3	19.85	108.6	23.82	118.2	27.78	128.5	31.33	132.4	32.08	137.5	32.95	141.4	33.12

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	207.6	97.3	26.00	105.5	30.18	114.8	35.13	124.7	39.63	128.6	40.55	133.4	41.54	137.3	42.25
		259.5	97.3	25.48	105.5	29.70	114.8	34.58	124.7	38.98	128.6	39.90	133.4	40.87	137.3	41.59
		519.0	97.3	23.44	105.5	27.77	114.8	32.39	124.7	36.41	128.6	37.35	133.4	38.24	137.3	38.98
		648.8	97.3	22.75	105.5	27.20	114.8	31.74	124.7	35.74	128.6	36.57	133.4	37.57	137.3	37.95
		778.5	97.3	22.40	105.5	26.91	114.8	31.42	124.7	35.40	128.6	36.18	133.4	37.23	137.3	37.43
80	10	207.6	94.3	6.26	102.2	7.17	111.3	8.34	120.9	9.50	124.6	9.65	129.4	9.93	133.1	10.03
		259.5	94.3	6.12	102.2	7.07	111.3	8.22	120.9	9.34	124.6	9.51	129.4	9.76	133.1	9.88
		519.0	94.3	5.57	102.2	6.69	111.3	7.74	120.9	8.68	124.6	8.93	129.4	9.09	133.1	9.25
		648.8	94.3	5.50	102.2	6.49	111.3	7.59	120.9	8.53	124.6	8.69	129.4	8.95	133.1	9.03
		778.5	94.3	5.46	102.2	6.39	111.3	7.52	120.9	8.46	124.6	8.57	129.4	8.88	133.1	8.92
	15	207.6	94.3	8.43	102.2	9.77	111.3	11.36	120.9	12.85	124.6	13.12	129.4	13.45	133.1	13.67
		259.5	94.3	8.26	102.2	9.61	111.3	11.18	120.9	12.63	124.6	12.91	129.4	13.23	133.1	13.45
		519.0	94.3	7.57	102.2	9.01	111.3	10.48	120.9	11.78	124.6	12.09	129.4	12.37	133.1	12.59
		648.8	94.3	7.40	102.2	8.80	111.3	10.26	120.9	11.56	124.6	11.83	129.4	12.15	133.1	12.26
		778.5	94.3	7.31	102.2	8.69	111.3	10.16	120.9	11.46	124.6	11.71	129.4	12.05	133.1	12.10
	20	207.6	94.3	10.36	102.2	12.07	111.3	14.05	120.9	15.82	124.6	16.20	129.4	16.57	133.1	16.90
		259.5	94.3	10.16	102.2	11.87	111.3	13.82	120.9	15.56	124.6	15.93	129.4	16.31	133.1	16.63
		519.0	94.3	9.34	102.2	11.08	111.3	12.91	120.9	14.53	124.6	14.90	129.4	15.28	133.1	15.56
		648.8	94.3	9.08	102.2	10.86	111.3	12.64	120.9	14.26	124.6	14.63	129.4	15.00	133.1	15.13
		778.5	94.3	8.95	102.2	10.74	111.3	12.50	120.9	14.12	124.6	14.49	129.4	14.86	133.1	14.91
	25	207.6	94.3	12.67	102.2	14.71	111.3	17.12	120.9	19.26	124.6	19.76	129.4	20.24	133.1	20.58
		259.5	94.3	12.42	102.2	14.47	111.3	16.85	120.9	18.96	124.6	19.43	129.4	19.92	133.1	20.26
		519.0	94.3	11.40	102.2	13.51	111.3	15.76	120.9	17.76	124.6	18.15	129.4	18.63	133.1	18.96
		648.8	94.3	11.08	102.2	13.23	111.3	15.44	120.9	17.39	124.6	17.82	129.4	18.30	133.1	18.46
		778.5	94.3	10.92	102.2	13.09	111.3	15.28	120.9	17.20	124.6	17.66	129.4	18.13	133.1	18.22
	30	207.6	94.3	15.54	102.2	18.06	111.3	21.07	120.9	23.71	124.6	24.26	129.4	24.86	133.1	25.35
		259.5	94.3	15.24	102.2	17.77	111.3	20.73	120.9	23.33	124.6	23.87	129.4	24.46	133.1	24.94
		519.0	94.3	14.03	102.2	16.63	111.3	19.38	120.9	21.82	124.6	22.35	129.4	22.90	133.1	23.33
		648.8	94.3	13.66	102.2	16.26	111.3	18.96	120.9	21.39	124.6	21.92	129.4	22.47	133.1	22.73
		778.5	94.3	13.47	102.2	16.08	111.3	18.74	120.9	21.18	124.6	21.71	129.4	22.25	133.1	22.43
	35	207.6	94.3	17.29	102.2	20.09	111.3	23.38	120.9	26.35	124.6	27.00	129.4	27.66	133.1	28.15
		259.5	94.3	16.95	102.2	19.76	111.3	23.01	120.9	25.93	124.6	26.57	129.4	27.22	133.1	27.70
		519.0	94.3	15.60	102.2	18.47	111.3	21.55	120.9	24.25	124.6	24.83	129.4	25.44	133.1	25.92
		648.8	94.3	15.17	102.2	18.09	111.3	21.11	120.9	23.77	124.6	24.36	129.4	25.00	133.1	25.22
		778.5	94.3	14.95	102.2	17.89	111.3	20.89	120.9	23.52	124.6	24.12	129.4	24.77	133.1	24.87
	40	207.6	94.3	20.49	102.2	23.82	111.3	27.72	120.9	31.23	124.6	31.95	129.4	32.76	133.1	33.31
		259.5	94.3	20.08	102.2	23.43	111.3	27.27	120.9	30.72	124.6	31.43	129.4	32.23	133.1	32.78
		519.0	94.3	18.46	102.2	21.88	111.3	25.49	120.9	28.73	124.6	29.38	129.4	30.13	133.1	30.68
		648.8	94.3	17.93	102.2	21.43	111.3	24.96	120.9	28.14	124.6	28.83	129.4	29.59	133.1	29.87
		778.5	94.3	17.66	102.2	21.21	111.3	24.69	120.9	27.84	124.6	28.56	129.4	29.32	133.1	29.47
	45	207.6	94.3	23.69	102.2	27.55	111.3	32.07	120.9	36.11	124.6	36.90	129.4	37.85	133.1	38.47
		259.5	94.3	23.21	102.2	27.09	111.3	31.54	120.9	35.52	124.6	36.30	129.4	37.24	133.1	37.86
		519.0	94.3	21.32	102.2	25.28	111.3	29.44	120.9	33.21	124.6	33.92	129.4	34.82	133.1	35.43
		648.8	94.3	20.69	102.2	24.77	111.3	28.80	120.9	32.51	124.6	33.31	129.4	34.18	133.1	34.52
		778.5	94.3	20.37	102.2	24.52	111.3	28.49	120.9	32.16	124.6	33.01	129.4	33.86	133.1	34.06
70	10	207.6	82.6	5.12	89.4	5.98	97.4	6.93	105.8	7.81	109.0	8.07	113.2	8.27	116.4	8.34
		259.5	82.6	5.03	89.4	5.88	97.4	6.82	105.8	7.70	109.0	7.94	113.2	8.14	116.4	8.22
		519.0	82.6	4.66	89.4	5.48	97.4	6.38	105.8	7.26	109.0	7.42	113.2	7.63	116.4	7.74
		648.8	82.6	4.55	89.4	5.36	97.4	6.28	105.8	7.07	109.0	7.23	113.2	7.43	116.4	7.53
		778.5	82.6	4.50	89.4	5.30	97.4	6.23	105.8	6.98	109.0	7.13	113.2	7.33	116.4	7.43
	15	207.6	82.6	6.99	89.4	8.13	97.4	9.45	105.8	10.64	109.0	10.92	113.2	11.19	116.4	11.36
		259.5	82.6	6.85	89.4	8.00	97.4	9.29	105.8	10.48	109.0	10.74	113.2	11.01	116.4	11.18
		519.0	82.6	6.31	89.4	7.46	97.4	8.69	105.8	9.82	109.0	10.04	113.2	10.31	116.4	10.48
		648.8	82.6	6.15	89.4	7.30	97.4	8.53	105.8	9.61	109.0	9.84	113.2	10.10	116.4	10.21
		778.5	82.6	6.06	89.4	7.21	97.4	8.45	105.8	9.51	109.0	9.73	113.2	9.99	116.4	10.07
	20	207.6	82.6	8.65	89.4	10.04	97.4	11.68	105.8	13.17	109.0	13.45	113.2	13.78	116.4	14.05
		259.5	82.6	8.47	89.4	9.88	97.4	11.50	105.8	12.95	109.0	13.23	113.2	13.56	116.4	13.82
		519.0	82.6	7.77	89.4	9.23	97.4	10.75	105.8	12.10	109.0	12.37	113.2	12.70	116.4	12.91
		648.8	82.6	7.56	89.4	9.02	97.4	10.53	105.8	11.87	109.0	12.15	113.2	12.47	116.4	12.58
		778.5	82.6	7.45	89.4	8.92	97.4	10.41	105.8	11.76	109.0	12.05	113.2	12.36	116.4	12.42
	25	207.6	82.6	10.52	89.4	12.24	97.4	14.22	105.8	16.03	109.0	16.41	113.2	16.80	116.4	17.12
		259.5	82.6	10.31	89.4	12.04	97.4	13.99	105.8	15.77	109.0	16.15	113.2	16.53	116.4	16.85
		519.0	82.6	9.50	89.4	11.23	97.4	13.11	105.8	14.74	109.0	15.11	113.2	15.50	116.4	15.77
		648.8	82.6	9.23	89.4	11.01	97.4	12.84	105.8	14.47	109.0	14.80	113.2	15.18	116.4	15.34
		778.5	82.6	9.09	89.4	10.90	97.4	12.71	105.8	14.33	109.0	14.64	113.2	15.02	116.4	15.13

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	207.6	82.6	12.95	89.4	15.04	97.4	17.51	105.8	19.71	109.0	20.20	113.2	20.68	116.4	21.07
		259.5	82.6	12.69	89.4	14.79	97.4	17.22	105.8	19.39	109.0	19.87	113.2	20.35	116.4	20.73
		519.0	82.6	11.66	89.4	13.82	97.4	16.10	105.8	18.14	109.0	18.58	113.2	19.06	116.4	19.38
		648.8	82.6	11.34	89.4	13.55	97.4	15.77	105.8	17.77	109.0	18.24	113.2	18.69	116.4	18.90
		778.5	82.6	11.18	89.4	13.41	97.4	15.60	105.8	17.59	109.0	18.07	113.2	18.50	116.4	18.66
	35	207.6	82.6	14.38	89.4	16.68	97.4	19.49	105.8	21.90	109.0	22.44	113.2	22.99	116.4	23.38
		259.5	82.6	14.09	89.4	16.42	97.4	19.16	105.8	21.55	109.0	22.08	113.2	22.62	116.4	23.01
		519.0	82.6	12.96	89.4	15.38	97.4	17.88	105.8	20.15	109.0	20.63	113.2	21.17	116.4	21.55
		648.8	82.6	12.59	89.4	15.02	97.4	17.54	105.8	19.76	109.0	20.25	113.2	20.78	116.4	21.00
		778.5	82.6	12.40	89.4	14.84	97.4	17.37	105.8	19.57	109.0	20.05	113.2	20.59	116.4	20.73
	40	207.6	82.6	17.03	89.4	19.76	97.4	23.05	105.8	25.96	109.0	26.57	113.2	27.22	116.4	27.70
		259.5	82.6	16.69	89.4	19.44	97.4	22.68	105.8	25.54	109.0	26.14	113.2	26.78	116.4	27.26
		519.0	82.6	15.34	89.4	18.20	97.4	21.22	105.8	23.87	109.0	24.45	113.2	25.05	116.4	25.54
		648.8	82.6	14.91	89.4	17.81	97.4	20.74	105.8	23.39	109.0	23.98	113.2	24.62	116.4	24.84
		778.5	82.6	14.69	89.4	17.62	97.4	20.50	105.8	23.14	109.0	23.74	113.2	24.40	116.4	24.49
	45	207.6	82.6	19.68	89.4	22.83	97.4	26.61	105.8	30.02	109.0	30.69	113.2	31.44	116.4	32.02
		259.5	82.6	19.29	89.4	22.47	97.4	26.20	105.8	29.53	109.0	30.20	113.2	30.94	116.4	31.52
		519.0	82.6	17.73	89.4	21.02	97.4	24.55	105.8	27.59	109.0	28.27	113.2	28.94	116.4	29.53
		648.8	82.6	17.22	89.4	20.61	97.4	23.94	105.8	27.01	109.0	27.71	113.2	28.46	116.4	28.68
		778.5	82.6	16.97	89.4	20.40	97.4	23.63	105.8	26.72	109.0	27.43	113.2	28.21	116.4	28.25
60	10	207.6	70.8	4.09	76.6	4.74	83.4	5.49	90.7	6.28	93.5	6.45	97.1	6.53	99.8	6.66
		259.5	70.8	4.01	76.6	4.67	83.4	5.42	90.7	6.17	93.5	6.33	97.1	6.44	99.8	6.56
		519.0	70.8	3.69	76.6	4.36	83.4	5.14	90.7	5.75	93.5	5.88	97.1	6.07	99.8	6.17
		648.8	70.8	3.54	76.6	4.32	83.4	5.04	90.7	5.66	93.5	5.78	97.1	5.92	99.8	6.03
		778.5	70.8	3.47	76.6	4.30	83.4	4.99	90.7	5.61	93.5	5.73	97.1	5.84	99.8	5.95
	15	207.6	70.8	5.57	76.6	6.48	83.4	7.52	90.7	8.50	93.5	8.73	97.1	8.89	99.8	9.06
		259.5	70.8	5.46	76.6	6.37	83.4	7.40	90.7	8.36	93.5	8.58	97.1	8.75	99.8	8.92
		519.0	70.8	5.02	76.6	5.94	83.4	6.96	90.7	7.82	93.5	8.00	97.1	8.21	99.8	8.36
		648.8	70.8	4.87	76.6	5.83	83.4	6.80	90.7	7.67	93.5	7.84	97.1	8.04	99.8	8.15
		778.5	70.8	4.79	76.6	5.78	83.4	6.73	90.7	7.59	93.5	7.76	97.1	7.96	99.8	8.04
	20	207.6	70.8	6.88	76.6	8.01	83.4	9.32	90.7	10.48	93.5	10.75	97.1	10.98	99.8	11.19
		259.5	70.8	6.75	76.6	7.88	83.4	9.17	90.7	10.31	93.5	10.58	97.1	10.81	99.8	11.01
		519.0	70.8	6.20	76.6	7.35	83.4	8.58	90.7	9.66	93.5	9.88	97.1	10.11	99.8	10.31
		648.8	70.8	6.04	76.6	7.18	83.4	8.37	90.7	9.45	93.5	9.67	97.1	9.93	99.8	10.04
		778.5	70.8	5.96	76.6	7.10	83.4	8.27	90.7	9.34	93.5	9.57	97.1	9.85	99.8	9.91
	25	207.6	70.8	8.37	76.6	9.77	83.4	11.36	90.7	12.79	93.5	13.07	97.1	13.39	99.8	13.66
		259.5	70.8	8.21	76.6	9.61	83.4	11.18	90.7	12.58	93.5	12.86	97.1	13.18	99.8	13.44
		519.0	70.8	7.56	76.6	8.97	83.4	10.43	90.7	11.77	93.5	12.04	97.1	12.36	99.8	12.58
		648.8	70.8	7.35	76.6	8.75	83.4	10.21	90.7	11.50	93.5	11.82	97.1	12.10	99.8	12.25
		778.5	70.8	7.24	76.6	8.64	83.4	10.11	90.7	11.37	93.5	11.72	97.1	11.98	99.8	12.09
	30	207.6	70.8	10.30	76.6	11.97	83.4	13.94	90.7	15.70	93.5	16.09	97.1	16.46	99.8	16.80
		259.5	70.8	10.10	76.6	11.78	83.4	13.72	90.7	15.45	93.5	15.83	97.1	16.21	99.8	16.53
		519.0	70.8	9.29	76.6	11.02	83.4	12.85	90.7	14.47	93.5	14.80	97.1	15.18	99.8	15.45
		648.8	70.8	9.02	76.6	10.80	83.4	12.58	90.7	14.20	93.5	14.53	97.1	14.91	99.8	15.06
		778.5	70.8	8.89	76.6	10.69	83.4	12.44	90.7	14.06	93.5	14.39	97.1	14.77	99.8	14.87
	35	207.6	70.8	11.46	76.6	13.33	83.4	15.53	90.7	17.45	93.5	17.89	97.1	18.34	99.8	18.66
		259.5	70.8	11.23	76.6	13.11	83.4	15.28	90.7	17.17	93.5	17.60	97.1	18.04	99.8	18.36
		519.0	70.8	10.32	76.6	12.25	83.4	14.26	90.7	16.09	93.5	16.47	97.1	16.85	99.8	17.17
		648.8	70.8	10.04	76.6	11.99	83.4	13.99	90.7	15.76	93.5	16.15	97.1	16.57	99.8	16.74
		778.5	70.8	9.90	76.6	11.86	83.4	13.85	90.7	15.60	93.5	15.99	97.1	16.43	99.8	16.52
	40	207.6	70.8	13.55	76.6	15.76	83.4	18.38	90.7	20.69	93.5	21.18	97.1	21.68	99.8	22.11
		259.5	70.8	13.29	76.6	15.51	83.4	18.09	90.7	20.35	93.5	20.84	97.1	21.33	99.8	21.76
		519.0	70.8	12.25	76.6	14.52	83.4	16.90	90.7	19.02	93.5	19.49	97.1	19.98	99.8	20.35
		648.8	70.8	11.88	76.6	14.20	83.4	16.57	90.7	18.64	93.5	19.11	97.1	19.61	99.8	19.81
		778.5	70.8	11.70	76.6	14.04	83.4	16.41	90.7	18.45	93.5	18.92	97.1	19.42	99.8	19.54
	45	207.6	70.8	15.64	76.6	18.18	83.4	21.24	90.7	23.94	93.5	24.47	97.1	25.01	99.8	25.57
		259.5	70.8	15.34	76.6	17.90	83.4	20.90	90.7	23.53	93.5	24.08	97.1	24.63	99.8	25.16
		519.0	70.8	14.18	76.6	16.79	83.4	19.55	90.7	21.94	93.5	22.52	97.1	23.10	99.8	23.53
		648.8	70.8	13.72	76.6	16.41	83.4	19.16	90.7	21.51	93.5	22.08	97.1	22.64	99.8	22.88
		778.5	70.8	13.49	76.6	16.22	83.4	18.97	90.7	21.30	93.5	21.86	97.1	22.41	99.8	22.56
50	10	207.6	59.0	3.05	63.9	3.52	69.5	4.21	75.7	4.63	77.9	4.74	80.9	4.91	83.1	4.97
		259.5	59.0	2.98	63.9	3.47	69.5	4.14	75.7	4.57	77.9	4.69	80.9	4.82	83.1	4.89
		519.0	59.0	2.72	63.9	3.27	69.5	3.84	75.7	4.32	77.9	4.46	80.9	4.47	83.1	4.57
		648.8	59.0	2.65	63.9	3.27	69.5	3.75	75.7	4.20	77.9	4.26	80.9	4.42	83.1	4.43
		778.5	59.0	2.62	63.9	3.27	69.5	3.70	75.7	4.14	77.9	4.16	80.9	4.39	83.1	4.36

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	207.6	59.0	4.14	63.9	4.83	69.5	5.65	75.7	6.31	77.9	6.47	80.9	6.64	83.1	6.76
		259.5	59.0	4.06	63.9	4.75	69.5	5.55	75.7	6.21	77.9	6.38	80.9	6.53	83.1	6.65
		519.0	59.0	3.73	63.9	4.43	69.5	5.19	75.7	5.83	77.9	5.99	80.9	6.11	83.1	6.21
		648.8	59.0	3.62	63.9	4.37	69.5	5.08	75.7	5.72	77.9	5.83	80.9	6.00	83.1	6.06
		778.5	59.0	3.57	63.9	4.34	69.5	5.02	75.7	5.66	77.9	5.76	80.9	5.95	83.1	5.98
	20	207.6	59.0	5.12	63.9	5.99	69.5	6.92	75.7	7.80	77.9	8.01	80.9	8.18	83.1	8.34
		259.5	59.0	5.02	63.9	5.88	69.5	6.81	75.7	7.68	77.9	7.88	80.9	8.05	83.1	8.21
		519.0	59.0	4.63	63.9	5.46	69.5	6.38	75.7	7.18	77.9	7.35	80.9	7.56	83.1	7.68
		648.8	59.0	4.49	63.9	5.35	69.5	6.26	75.7	7.07	77.9	7.23	80.9	7.40	83.1	7.50
		778.5	59.0	4.41	63.9	5.30	69.5	6.20	75.7	7.01	77.9	7.17	80.9	7.33	83.1	7.42
	25	207.6	59.0	6.23	63.9	7.25	69.5	8.45	75.7	9.55	77.9	9.77	80.9	9.99	83.1	10.14
		259.5	59.0	6.11	63.9	7.13	69.5	8.32	75.7	9.39	77.9	9.61	80.9	9.83	83.1	9.99
		519.0	59.0	5.62	63.9	6.69	69.5	7.78	75.7	8.75	77.9	8.97	80.9	9.19	83.1	9.39
		648.8	59.0	5.46	63.9	6.53	69.5	7.62	75.7	8.59	77.9	8.80	80.9	9.02	83.1	9.13
		778.5	59.0	5.37	63.9	6.45	69.5	7.54	75.7	8.50	77.9	8.72	80.9	8.94	83.1	9.00
	30	207.6	59.0	7.71	63.9	8.95	69.5	10.43	75.7	11.74	77.9	12.03	80.9	12.29	83.1	12.51
		259.5	59.0	7.55	63.9	8.80	69.5	10.25	75.7	11.55	77.9	11.82	80.9	12.10	83.1	12.31
		519.0	59.0	6.92	63.9	8.21	69.5	9.57	75.7	10.80	77.9	11.02	80.9	11.34	83.1	11.50
		648.8	59.0	6.75	63.9	8.04	69.5	9.39	75.7	10.58	77.9	10.85	80.9	11.12	83.1	11.23
		778.5	59.0	6.66	63.9	7.96	69.5	9.31	75.7	10.48	77.9	10.76	80.9	11.01	83.1	11.10
	35	207.6	59.0	8.54	63.9	9.93	69.5	11.58	75.7	13.01	77.9	13.34	80.9	13.66	83.1	13.88
		259.5	59.0	8.37	63.9	9.77	69.5	11.39	75.7	12.80	77.9	13.12	80.9	13.44	83.1	13.67
		519.0	59.0	7.72	63.9	9.13	69.5	10.64	75.7	11.99	77.9	12.26	80.9	12.58	83.1	12.80
		648.8	59.0	7.50	63.9	8.96	69.5	10.42	75.7	11.77	77.9	12.04	80.9	12.36	83.1	12.47
		778.5	59.0	7.39	63.9	8.87	69.5	10.31	75.7	11.66	77.9	11.93	80.9	12.25	83.1	12.31
	40	207.6	59.0	10.14	63.9	11.75	69.5	13.72	75.7	15.42	77.9	15.80	80.9	16.18	83.1	16.47
		259.5	59.0	9.93	63.9	11.56	69.5	13.49	75.7	15.18	77.9	15.55	80.9	15.92	83.1	16.21
		519.0	59.0	9.12	63.9	10.81	69.5	12.59	75.7	14.20	77.9	14.53	80.9	14.91	83.1	15.17
		648.8	59.0	8.86	63.9	10.58	69.5	12.36	75.7	13.93	77.9	14.26	80.9	14.63	83.1	14.75
		778.5	59.0	8.73	63.9	10.47	69.5	12.24	75.7	13.79	77.9	14.12	80.9	14.49	83.1	14.54
	45	207.6	59.0	11.74	63.9	13.57	69.5	15.86	75.7	17.84	77.9	18.27	80.9	18.70	83.1	19.05
		259.5	59.0	11.50	63.9	13.35	69.5	15.60	75.7	17.55	77.9	17.97	80.9	18.41	83.1	18.74
		519.0	59.0	10.53	63.9	12.48	69.5	14.54	75.7	16.41	77.9	16.80	80.9	17.23	83.1	17.53
		648.8	59.0	10.21	63.9	12.21	69.5	14.30	75.7	16.09	77.9	16.48	80.9	16.89	83.1	17.03
		778.5	59.0	10.06	63.9	12.08	69.5	14.18	75.7	15.93	77.9	16.32	80.9	16.72	83.1	16.77

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(56HP)

ARWN560LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	215.2	145.8	10.26	157.9	12.04	171.8	14.02	186.7	15.71	192.5	16.07	200.0	16.60	205.6	16.83
		269.0	145.8	10.08	157.9	11.82	171.8	13.77	186.7	15.46	192.5	15.83	200.0	16.31	205.6	16.57
		538.0	145.8	9.34	157.9	10.97	171.8	12.82	186.7	14.46	192.5	14.89	200.0	15.19	205.6	15.57
		672.5	145.8	9.08	157.9	10.82	171.8	12.61	186.7	14.14	192.5	14.57	200.0	14.94	205.6	15.14
		807.0	145.8	8.94	157.9	10.74	171.8	12.51	186.7	13.97	192.5	14.40	200.0	14.80	205.6	14.92
	15	215.2	143.4	13.53	155.3	15.77	169.1	18.38	183.8	20.64	189.3	21.14	196.7	21.70	202.3	22.06
		269.0	143.4	13.27	155.3	15.51	169.1	18.07	183.8	20.31	189.3	20.81	196.7	21.35	202.3	21.73
		538.0	143.4	12.23	155.3	14.47	169.1	16.87	183.8	19.00	189.3	19.49	196.7	19.99	202.3	20.42
		672.5	143.4	11.90	155.3	14.20	169.1	16.55	183.8	18.62	189.3	19.11	196.7	19.60	202.3	19.93
		807.0	143.4	11.74	155.3	14.06	169.1	16.38	183.8	18.43	189.3	18.92	196.7	19.41	202.3	19.68
	20	215.2	141.3	16.44	153.0	19.09	166.6	22.26	181.2	25.03	186.6	25.64	193.8	26.23	199.3	26.72
		269.0	141.3	16.11	153.0	18.78	166.6	21.90	181.2	24.63	186.6	25.23	193.8	25.83	199.3	26.32
		538.0	141.3	14.80	153.0	17.58	166.6	20.48	181.2	23.04	186.6	23.59	193.8	24.25	199.3	24.74
		672.5	141.3	14.42	153.0	17.20	166.6	20.04	181.2	22.61	186.6	23.15	193.8	23.75	199.3	24.19
		807.0	141.3	14.22	153.0	17.01	166.6	19.82	181.2	22.39	186.6	22.93	193.8	23.51	199.3	23.92
	25	215.2	141.3	20.28	153.0	23.53	166.6	27.42	181.2	30.93	186.6	31.64	193.8	32.39	199.3	32.93
		269.0	141.3	19.88	153.0	23.15	166.6	26.98	181.2	30.42	186.6	31.13	193.8	31.89	199.3	32.44
		538.0	141.3	18.29	153.0	21.68	166.6	25.23	181.2	28.40	186.6	29.11	193.8	29.92	199.3	30.47
		672.5	141.3	17.75	153.0	21.19	166.6	24.74	181.2	27.85	186.6	28.56	193.8	29.32	199.3	29.82
		807.0	141.3	17.47	153.0	20.94	166.6	24.49	181.2	27.57	186.6	28.28	193.8	29.02	199.3	29.49
	30	215.2	141.3	24.36	153.0	28.25	166.6	32.91	181.2	37.08	186.6	37.96	193.8	38.89	199.3	39.53
		269.0	141.3	23.86	153.0	27.80	166.6	32.38	181.2	36.48	186.6	37.35	193.8	38.28	199.3	38.93
		538.0	141.3	21.90	153.0	25.99	166.6	30.31	181.2	34.07	186.6	34.95	193.8	35.88	199.3	36.59
		672.5	141.3	21.30	153.0	25.45	166.6	29.65	181.2	33.42	186.6	34.29	193.8	35.17	199.3	35.77
		807.0	141.3	20.99	153.0	25.17	166.6	29.32	181.2	33.09	186.6	33.96	193.8	34.81	199.3	35.35
	35	215.2	127.2	24.56	137.7	28.59	149.9	33.30	163.0	37.45	167.9	38.41	174.5	39.34	179.4	39.96
		269.0	127.2	24.08	137.7	28.12	149.9	32.76	163.0	36.86	167.9	37.79	174.5	38.72	179.4	39.37
		538.0	127.2	22.17	137.7	26.27	149.9	30.63	163.0	34.51	167.9	35.33	174.5	36.26	179.4	37.02
		672.5	127.2	21.57	137.7	25.72	149.9	29.98	163.0	33.80	167.9	34.68	174.5	35.55	179.4	36.15
		807.0	127.2	21.27	137.7	25.44	149.9	29.65	163.0	33.44	167.9	34.35	174.5	35.19	179.4	35.71
	40	215.2	113.0	25.97	122.5	30.13	133.3	35.13	144.9	39.51	149.3	40.44	155.0	41.43	159.4	42.19
		269.0	113.0	25.45	122.5	29.65	133.3	34.57	144.9	38.88	149.3	39.81	155.0	40.79	159.4	41.56
		538.0	113.0	23.37	122.5	27.74	133.3	32.33	144.9	36.37	149.3	37.30	155.0	38.28	159.4	39.04
		672.5	113.0	22.72	122.5	27.14	133.3	31.62	144.9	35.66	149.3	36.59	155.0	37.52	159.4	38.17
		807.0	113.0	22.39	122.5	26.84	133.3	31.26	144.9	35.30	149.3	36.23	155.0	37.13	159.4	37.73
	45	215.2	98.8	27.38	107.3	31.68	116.6	36.96	126.7	41.58	130.6	42.48	135.5	43.51	139.5	44.42
		269.0	98.8	26.81	107.3	31.18	116.6	36.37	126.7	40.90	130.6	41.83	135.5	42.87	139.5	43.74
		538.0	98.8	24.57	107.3	29.21	116.6	34.02	126.7	38.23	130.6	39.26	135.5	40.30	139.5	41.06
		672.5	98.8	23.86	107.3	28.56	116.6	33.26	126.7	37.52	130.6	38.50	135.5	39.48	139.5	40.19
		807.0	98.8	23.51	107.3	28.23	116.6	32.87	126.7	37.16	130.6	38.11	135.5	39.07	139.5	39.75
120	10	215.2	138.0	9.79	149.3	11.41	162.7	13.22	176.8	14.89	182.0	15.35	189.3	15.72	194.5	15.89
		269.0	138.0	9.59	149.3	11.23	162.7	13.02	176.8	14.65	182.0	15.08	189.3	15.45	194.5	15.65
		538.0	138.0	8.80	149.3	10.49	162.7	12.23	176.8	13.70	182.0	14.01	189.3	14.38	194.5	14.70
		672.5	138.0	8.53	149.3	10.16	162.7	11.97	176.8	13.38	182.0	13.81	189.3	14.12	194.5	14.39
		807.0	138.0	8.40	149.3	10.00	162.7	11.83	176.8	13.22	182.0	13.71	189.3	13.99	194.5	14.23
	15	215.2	136.4	12.99	147.6	15.10	160.9	17.53	174.8	19.76	180.0	20.26	187.0	20.75	192.3	21.07
		269.0	136.4	12.72	147.6	14.85	160.9	17.26	174.8	19.44	180.0	19.93	187.0	20.42	192.3	20.75
		538.0	136.4	11.69	147.6	13.87	160.9	16.16	174.8	18.18	180.0	18.62	187.0	19.11	192.3	19.49
		672.5	136.4	11.36	147.6	13.54	160.9	15.84	174.8	17.80	180.0	18.29	187.0	18.73	192.3	19.06
		807.0	136.4	11.19	147.6	13.38	160.9	15.67	174.8	17.61	180.0	18.13	187.0	18.54	192.3	18.84
	20	215.2	134.9	15.83	146.2	18.38	159.3	21.37	173.0	24.09	178.2	24.63	185.1	25.23	190.3	25.67
		269.0	134.9	15.51	146.2	18.07	159.3	21.02	173.0	23.70	178.2	24.25	185.1	24.85	190.3	25.28
		538.0	134.9	14.25	146.2	16.87	159.3	19.66	173.0	22.17	178.2	22.72	185.1	23.32	190.3	23.75
		672.5	134.9	13.87	146.2	16.55	159.3	19.28	173.0	21.73	178.2	22.28	185.1	22.83	190.3	23.21
		807.0	134.9	13.68	146.2	16.38	159.3	19.08	173.0	21.51	178.2	22.06	185.1	22.58	190.3	22.93
	25	215.2	134.9	19.44	146.2	22.60	159.3	26.31	173.0	29.57	178.2	30.30	185.1	31.08	190.3	31.61
		269.0	134.9	19.06	146.2	22.23	159.3	25.88	173.0	29.11	178.2	29.82	185.1	30.58	190.3	31.13
		538.0	134.9	17.53	146.2	20.75	159.3	24.19	173.0	27.25	178.2	27.90	185.1	28.61	190.3	29.21
		672.5	134.9	17.04	146.2	20.31	159.3	23.70	173.0	26.70	178.2	27.36	185.1	28.07	190.3	28.50
		807.0	134.9	16.79	146.2	20.09	159.3	23.45	173.0	26.43	178.2	27.08	185.1	27.79	190.3	28.15
	30	215.2	134.9	23.44	146.2	27.31	159.3	31.81	173.0	35.80	178.2	36.62	185.1	37.56	190.3	38.22
		269.0	134.9	22.99	146.2	26.87	159.3	31.29	173.0	35.22	178.2	36.04	185.1	36.97	190.3	37.62
		538.0	134.9	21.19	146.2	25.12	159.3	29.21	173.0	32.93	178.2	33.75	185.1	34.62	190.3	35.28
		672.5	134.9	20.59	146.2	24.57	159.3	28.61	173.0	32.27	178.2	33.09	185.1	33.97	190.3	34.46
		807.0	134.9	20.28	146.2	24.30	159.3	28.31	173.0	31.94	178.2	32.76	185.1	33.64	190.3	34.04

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.

2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	215.2	123.4	24.07	133.7	27.98	145.7	32.58	158.3	36.69	163.0	37.58	169.4	38.44	174.1	39.16
		269.0	123.4	23.59	133.7	27.52	145.7	32.05	158.3	36.10	163.0	36.97	169.4	37.84	174.1	38.55
		538.0	123.4	21.68	133.7	25.72	145.7	29.98	158.3	33.75	163.0	34.57	169.4	35.49	174.1	36.15
		672.5	123.4	21.08	133.7	25.17	145.7	29.38	158.3	33.09	163.0	33.91	169.4	34.78	174.1	35.33
		807.0	123.4	20.78	133.7	24.90	145.7	29.08	158.3	32.76	163.0	33.58	169.4	34.43	174.1	34.92
	40	215.2	112.0	25.90	121.3	30.08	132.1	35.08	143.7	39.46	148.0	40.40	153.7	41.39	157.9	42.15
		269.0	112.0	25.39	121.3	29.60	132.1	34.51	143.7	38.83	148.0	39.75	153.7	40.74	157.9	41.50
		538.0	112.0	23.37	121.3	27.69	132.1	32.27	143.7	36.31	148.0	37.19	153.7	38.17	157.9	38.93
		672.5	112.0	22.72	121.3	27.09	132.1	31.62	143.7	35.60	148.0	36.53	153.7	37.46	157.9	38.01
		807.0	112.0	22.39	121.3	26.78	132.1	31.29	143.7	35.25	148.0	36.20	153.7	37.10	157.9	37.54
	45	215.2	100.6	27.73	108.9	32.18	118.5	37.58	129.2	42.23	132.9	43.23	138.0	44.33	141.8	45.14
		269.0	100.6	27.19	108.9	31.67	118.5	36.97	129.2	41.56	132.9	42.54	138.0	43.63	141.8	44.45
		538.0	100.6	25.06	108.9	29.65	118.5	34.57	129.2	38.88	132.9	39.81	138.0	40.85	141.8	41.72
		672.5	100.6	24.35	108.9	29.00	118.5	33.86	129.2	38.12	132.9	39.15	138.0	40.14	141.8	40.68
		807.0	100.6	24.00	108.9	28.67	118.5	33.50	129.2	37.73	132.9	38.82	138.0	39.78	141.8	40.16
110	10	215.2	130.1	9.24	141.0	10.69	153.5	12.53	166.7	14.06	171.6	14.36	178.5	14.82	183.2	15.02
		269.0	130.1	9.05	141.0	10.52	153.5	12.31	166.7	13.84	171.6	14.15	178.5	14.58	183.2	14.78
		538.0	130.1	8.31	141.0	9.84	153.5	11.47	166.7	12.94	171.6	13.32	178.5	13.63	183.2	13.84
		672.5	130.1	8.10	141.0	9.62	153.5	11.20	166.7	12.74	171.6	12.94	178.5	13.37	183.2	13.52
		807.0	130.1	8.00	141.0	9.52	153.5	11.07	166.7	12.63	171.6	12.74	178.5	13.23	183.2	13.36
	15	215.2	129.3	12.37	140.1	14.38	152.5	16.77	165.8	18.87	170.7	19.31	177.4	19.81	182.3	20.14
		269.0	129.3	12.12	140.1	14.14	152.5	16.49	165.8	18.57	170.7	19.00	177.4	19.49	182.3	19.82
		538.0	129.3	11.14	140.1	13.21	152.5	15.40	165.8	17.37	170.7	17.80	177.4	18.24	182.3	18.57
		672.5	129.3	10.87	140.1	12.94	152.5	15.07	165.8	17.04	170.7	17.42	177.4	17.91	182.3	18.13
		807.0	129.3	10.73	140.1	12.80	152.5	14.91	165.8	16.87	170.7	17.23	177.4	17.75	182.3	17.91
	20	215.2	128.7	15.16	139.3	17.65	151.7	20.54	165.0	23.14	169.9	23.70	176.4	24.25	181.5	24.69
		269.0	128.7	14.85	139.3	17.37	151.7	20.20	165.0	22.77	169.9	23.32	176.4	23.86	181.5	24.30
		538.0	128.7	13.65	139.3	16.22	151.7	18.89	165.0	21.30	169.9	21.79	176.4	22.33	181.5	22.77
		672.5	128.7	13.32	139.3	15.89	151.7	18.51	165.0	20.86	169.9	21.41	176.4	21.95	181.5	22.23
		807.0	128.7	13.16	139.3	15.73	151.7	18.32	165.0	20.64	169.9	21.21	176.4	21.76	181.5	21.95
	25	215.2	128.7	18.54	139.3	21.59	151.7	25.14	165.0	28.30	169.9	28.96	176.4	29.68	181.5	30.23
		269.0	128.7	18.18	139.3	21.24	151.7	24.74	165.0	27.85	169.9	28.50	176.4	29.21	181.5	29.76
		538.0	128.7	16.76	139.3	19.88	151.7	23.15	165.0	26.05	169.9	26.70	176.4	27.36	181.5	27.90
		672.5	128.7	16.27	139.3	19.44	151.7	22.66	165.0	25.56	169.9	26.16	176.4	26.87	181.5	27.19
		807.0	128.7	16.03	139.3	19.22	151.7	22.41	165.0	25.31	169.9	25.88	176.4	26.62	181.5	26.84
	30	215.2	128.7	22.61	139.3	26.31	151.7	30.64	165.0	34.53	169.9	35.35	176.4	36.17	181.5	36.84
		269.0	128.7	22.17	139.3	25.88	151.7	30.14	165.0	33.97	169.9	34.78	176.4	35.60	181.5	36.26
		538.0	128.7	20.42	139.3	24.19	151.7	28.18	165.0	31.73	169.9	32.55	176.4	33.36	181.5	33.97
		672.5	128.7	19.88	139.3	23.70	151.7	27.63	165.0	31.13	169.9	31.89	176.4	32.71	181.5	33.15
		807.0	128.7	19.60	139.3	23.45	151.7	27.36	165.0	30.82	169.9	31.56	176.4	32.38	181.5	32.73
	35	215.2	119.8	23.57	129.8	27.36	141.4	31.85	153.7	35.91	158.3	36.74	164.5	37.62	169.1	38.34
		269.0	119.8	23.10	129.8	26.92	141.4	31.34	153.7	35.33	158.3	36.15	164.5	37.02	169.1	37.73
		538.0	119.8	21.24	129.8	25.17	141.4	29.32	153.7	33.04	158.3	33.80	164.5	34.68	169.1	35.33
		672.5	119.8	20.64	129.8	24.63	141.4	28.72	153.7	32.38	158.3	33.20	164.5	34.02	169.1	34.46
		807.0	119.8	20.34	129.8	24.35	141.4	28.42	153.7	32.05	158.3	32.90	164.5	33.69	169.1	34.02
	40	215.2	111.0	25.85	120.3	30.09	131.0	35.02	142.4	39.41	146.7	40.35	152.4	41.33	156.6	42.11
		269.0	111.0	25.34	120.3	29.60	131.0	34.46	142.4	38.77	146.7	39.70	152.4	40.68	156.6	41.45
		538.0	111.0	23.32	120.3	27.63	131.0	32.22	142.4	36.26	146.7	37.13	152.4	38.12	156.6	38.83
		672.5	111.0	22.66	120.3	27.03	131.0	31.56	142.4	35.55	146.7	36.48	152.4	37.41	156.6	37.84
		807.0	111.0	22.33	120.3	26.73	131.0	31.23	142.4	35.19	146.7	36.15	152.4	37.05	156.6	37.35
	45	215.2	102.2	28.13	110.9	32.82	120.5	38.19	131.1	42.90	135.1	43.95	140.3	45.04	144.2	45.88
		269.0	102.2	27.58	110.9	32.27	120.5	37.57	131.1	42.21	135.1	43.25	140.3	44.34	144.2	45.16
		538.0	102.2	25.39	110.9	30.09	120.5	35.11	131.1	39.48	135.1	40.46	140.3	41.56	144.2	42.32
		672.5	102.2	24.68	110.9	29.43	120.5	34.40	131.1	38.72	135.1	39.75	140.3	40.79	144.2	41.23
		807.0	102.2	24.32	110.9	29.10	120.5	34.04	131.1	38.33	135.1	39.40	140.3	40.41	144.2	40.68
100	10	215.2	122.3	8.74	132.4	10.16	144.2	11.67	156.8	13.30	161.5	13.48	167.8	13.94	172.5	14.21
		269.0	122.3	8.57	132.4	9.99	144.2	11.49	156.8	13.09	161.5	13.28	167.8	13.71	172.5	13.98
		538.0	122.3	7.88	132.4	9.30	144.2	10.82	156.8	12.25	161.5	12.51	167.8	12.82	172.5	13.09
		672.5	122.3	7.62	132.4	9.09	144.2	10.55	156.8	11.98	161.5	12.24	167.8	12.55	172.5	12.66
		807.0	122.3	7.48	132.4	8.98	144.2	10.42	156.8	11.85	161.5	12.10	167.8	12.42	172.5	12.44
	15	215.2	122.3	11.81	132.4	13.71	144.2	15.92	156.8	17.98	161.5	18.36	167.8	18.87	172.5	19.20
		269.0	122.3	11.58	132.4	13.49	144.2	15.67	156.8	17.69	161.5	18.07	167.8	18.57	172.5	18.89
		538.0	122.3	10.65	132.4	12.61	144.2	14.69	156.8	16.55	161.5	16.93	167.8	17.37	172.5	17.69
		672.5	122.3	10.32	132.4	12.34	144.2	14.36	156.8	16.22	161.5	16.60	167.8	17.04	172.5	17.20
		807.0	122.3	10.16	132.4	12.20	144.2	14.20	156.8	16.05	161.5	16.44	167.8	16.87	172.5	16.95

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	215.2	122.3	14.54	132.4	16.86	144.2	19.70	156.8	22.15	161.5	22.71	167.8	23.25	172.5	23.64
		269.0	122.3	14.25	132.4	16.60	144.2	19.39	156.8	21.79	161.5	22.33	167.8	22.88	172.5	23.26
		538.0	122.3	13.11	132.4	15.56	144.2	18.13	156.8	20.37	161.5	20.86	167.8	21.41	172.5	21.79
		672.5	122.3	12.72	132.4	15.24	144.2	17.75	156.8	19.99	161.5	20.48	167.8	21.02	172.5	21.24
		807.0	122.3	12.53	132.4	15.07	144.2	17.55	156.8	19.79	161.5	20.29	167.8	20.83	172.5	20.97
	25	215.2	122.3	17.71	132.4	20.59	144.2	23.98	156.8	27.04	161.5	27.70	167.8	28.36	172.5	28.85
		269.0	122.3	17.37	132.4	20.26	144.2	23.59	156.8	26.59	161.5	27.25	167.8	27.90	172.5	28.40
		538.0	122.3	16.00	132.4	18.95	144.2	22.06	156.8	24.85	161.5	25.45	167.8	26.10	172.5	26.59
		672.5	122.3	15.56	132.4	18.57	144.2	21.62	156.8	24.35	161.5	24.96	167.8	25.61	172.5	25.88
		807.0	122.3	15.34	132.4	18.37	144.2	21.40	156.8	24.11	161.5	24.71	167.8	25.36	172.5	25.53
	30	215.2	122.3	21.78	132.4	25.37	144.2	29.53	156.8	33.25	161.5	34.03	167.8	34.85	172.5	35.51
		269.0	122.3	21.35	132.4	24.96	144.2	29.05	156.8	32.71	161.5	33.47	167.8	34.29	172.5	34.95
		538.0	122.3	19.66	132.4	23.32	144.2	27.14	156.8	30.58	161.5	31.29	167.8	32.11	172.5	32.71
		672.5	122.3	19.11	132.4	22.83	144.2	26.59	156.8	29.98	161.5	30.74	167.8	31.51	172.5	31.84
		807.0	122.3	18.84	132.4	22.58	144.2	26.32	156.8	29.68	161.5	30.47	167.8	31.21	172.5	31.40
	35	215.2	116.3	23.01	125.9	26.75	137.0	31.13	149.0	35.08	153.4	35.91	159.4	36.78	163.8	37.45
		269.0	116.3	22.55	125.9	26.32	137.0	30.63	149.0	34.51	153.4	35.33	159.4	36.20	163.8	36.86
		538.0	116.3	20.75	125.9	24.63	137.0	28.67	149.0	32.27	153.4	33.04	159.4	33.91	163.8	34.51
		672.5	116.3	20.20	125.9	24.08	137.0	28.07	149.0	31.67	153.4	32.44	159.4	33.26	163.8	33.58
		807.0	116.3	19.93	125.9	23.81	137.0	27.77	149.0	31.37	153.4	32.13	159.4	32.93	163.8	33.12
	40	215.2	110.0	25.86	119.2	30.03	129.8	34.97	141.1	39.35	145.4	40.29	151.1	41.29	155.2	42.00
		269.0	110.0	25.34	119.2	29.54	129.8	34.40	141.1	38.72	145.4	39.64	151.1	40.63	155.2	41.34
		538.0	110.0	23.26	119.2	27.63	129.8	32.16	141.1	36.20	145.4	37.08	151.1	38.01	155.2	38.72
		672.5	110.0	22.66	119.2	27.03	129.8	31.51	141.1	35.49	145.4	36.37	151.1	37.30	155.2	37.68
		807.0	110.0	22.36	119.2	26.73	129.8	31.18	141.1	35.14	145.4	36.01	151.1	36.94	155.2	37.16
	45	215.2	103.8	28.72	112.5	33.30	122.6	38.80	133.3	43.62	137.3	44.68	142.7	45.80	146.5	46.55
		269.0	103.8	28.12	112.5	32.76	122.6	38.17	133.3	42.92	137.3	43.96	142.7	45.05	146.5	45.82
		538.0	103.8	25.77	112.5	30.63	122.6	35.66	133.3	40.14	137.3	41.12	142.7	42.10	146.5	42.92
		672.5	103.8	25.12	112.5	29.98	122.6	34.95	133.3	39.32	137.3	40.30	142.7	41.34	146.5	41.77
		807.0	103.8	24.79	112.5	29.65	122.6	34.59	133.3	38.90	137.3	39.89	142.7	40.95	146.5	41.20
90	10	215.2	110.0	7.43	119.2	8.62	129.8	10.08	141.1	11.41	145.4	11.62	151.1	11.86	155.2	12.23
		269.0	110.0	7.30	119.2	8.51	129.8	9.92	141.1	11.24	145.4	11.45	151.1	11.71	155.2	12.03
		538.0	110.0	6.78	119.2	8.04	129.8	9.30	141.1	10.57	145.4	10.77	151.1	11.09	155.2	11.24
		672.5	110.0	6.57	119.2	7.77	129.8	9.14	141.1	10.24	145.4	10.56	151.1	10.88	155.2	10.87
		807.0	110.0	6.46	119.2	7.63	129.8	9.06	141.1	10.07	145.4	10.45	151.1	10.77	155.2	10.68
	15	215.2	110.0	10.13	119.2	11.76	129.8	13.71	141.1	15.48	145.4	15.81	151.1	16.19	155.2	16.53
		269.0	110.0	9.94	119.2	11.58	129.8	13.49	141.1	15.24	145.4	15.56	151.1	15.95	155.2	16.27
		538.0	110.0	9.17	119.2	10.87	129.8	12.61	141.1	14.25	145.4	14.58	151.1	14.96	155.2	15.24
		672.5	110.0	8.90	119.2	10.59	129.8	12.40	141.1	13.92	145.4	14.31	151.1	14.69	155.2	14.80
		807.0	110.0	8.76	119.2	10.46	129.8	12.29	141.1	13.76	145.4	14.17	151.1	14.55	155.2	14.58
	20	215.2	110.0	12.53	119.2	14.54	129.8	16.93	141.1	19.10	145.4	19.54	151.1	20.04	155.2	20.36
		269.0	110.0	12.29	119.2	14.31	129.8	16.66	141.1	18.78	145.4	19.22	151.1	19.71	155.2	20.04
		538.0	110.0	11.30	119.2	13.38	129.8	15.56	141.1	17.53	145.4	17.97	151.1	18.40	155.2	18.78
		672.5	110.0	10.98	119.2	13.11	129.8	15.29	141.1	17.20	145.4	17.64	151.1	18.07	155.2	18.29
		807.0	110.0	10.81	119.2	12.97	129.8	15.15	141.1	17.04	145.4	17.47	151.1	17.91	155.2	18.05
	25	215.2	110.0	15.27	119.2	17.76	129.8	20.64	141.1	23.25	145.4	23.81	151.1	24.41	155.2	24.86
		269.0	110.0	14.96	119.2	17.47	129.8	20.31	141.1	22.88	145.4	23.43	151.1	24.03	155.2	24.46
		538.0	110.0	13.76	119.2	16.33	129.8	19.00	141.1	21.41	145.4	21.90	151.1	22.50	155.2	22.88
		672.5	110.0	13.38	119.2	15.95	129.8	18.62	141.1	20.97	145.4	21.52	151.1	22.06	155.2	22.28
		807.0	110.0	13.19	119.2	15.75	129.8	18.43	141.1	20.75	145.4	21.32	151.1	21.84	155.2	21.98
	30	215.2	110.0	18.78	119.2	21.82	129.8	25.42	141.1	28.65	145.4	29.30	151.1	30.03	155.2	30.59
		269.0	110.0	18.40	119.2	21.46	129.8	25.01	141.1	28.18	145.4	28.83	151.1	29.54	155.2	30.09
		538.0	110.0	16.93	119.2	20.04	129.8	23.37	141.1	26.32	145.4	26.98	151.1	27.63	155.2	28.12
		672.5	110.0	16.44	119.2	19.66	129.8	22.88	141.1	25.83	145.4	26.43	151.1	27.14	155.2	27.41
		807.0	110.0	16.19	119.2	19.47	129.8	22.63	141.1	25.58	145.4	26.15	151.1	26.89	155.2	27.06
	35	215.2	107.1	20.29	115.9	23.54	126.2	27.42	137.2	30.86	141.3	31.58	146.8	32.35	150.9	32.96
		269.0	107.1	19.88	115.9	23.15	126.2	26.98	137.2	30.36	141.3	31.07	146.8	31.84	150.9	32.44
		538.0	107.1	18.24	115.9	21.62	126.2	25.23	137.2	28.40	141.3	29.05	146.8	29.82	150.9	30.36
		672.5	107.1	17.75	115.9	21.19	126.2	24.68	137.2	27.85	141.3	28.56	146.8	29.27	150.9	29.54
		807.0	107.1	17.50	115.9	20.97	126.2	24.41	137.2	27.57	141.3	28.31	146.8	28.99	150.9	29.13
	40	215.2	104.0	23.29	112.7	27.04	122.6	31.46	133.3	35.47	137.3	36.29	142.6	37.18	146.7	37.84
		269.0	104.0	22.83	112.7	26.59	122.6	30.96	133.3	34.89	137.3	35.71	142.6	36.59	146.7	37.24
		538.0	104.0	20.97	112.7	24.85	122.6	29.00	133.3	32.60	137.3	33.42	142.6	34.24	146.7	34.89
		672.5	104.0	20.37	112.7	24.35	122.6	28.40	133.3	32.00	137.3	32.76	142.6	33.64	146.7	33.97
		807.0	104.0	20.07	112.7	24.11	122.6	28.09	133.3	31.70	137.3	32.43	142.6	33.34	146.7	33.50

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	215.2	100.9	26.30	109.4	30.53	119.0	35.50	129.3	40.09	133.4	41.00	138.3	42.01	142.4	42.71
		269.0	100.9	25.77	109.4	30.03	119.0	34.95	129.3	39.43	133.4	40.35	138.3	41.34	142.4	42.05
		538.0	100.9	23.70	109.4	28.07	119.0	32.76	129.3	36.81	133.4	37.79	138.3	38.66	142.4	39.43
		672.5	100.9	22.99	109.4	27.52	119.0	32.11	129.3	36.15	133.4	36.97	138.3	38.01	142.4	38.39
		807.0	100.9	22.63	109.4	27.25	119.0	31.78	129.3	35.82	133.4	36.56	138.3	37.68	142.4	37.87
80	10	215.2	97.8	6.35	106.0	7.23	115.4	8.41	125.4	9.63	129.2	9.76	134.2	10.05	138.0	10.13
		269.0	97.8	6.20	106.0	7.14	115.4	8.29	125.4	9.46	129.2	9.61	134.2	9.88	138.0	9.97
		538.0	97.8	5.62	106.0	6.78	115.4	7.83	125.4	8.77	129.2	9.04	134.2	9.19	138.0	9.34
		672.5	97.8	5.58	106.0	6.57	115.4	7.67	125.4	8.61	129.2	8.76	134.2	9.03	138.0	9.14
		807.0	97.8	5.56	106.0	6.46	115.4	7.59	125.4	8.54	129.2	8.63	134.2	8.95	138.0	9.04
	15	215.2	97.8	8.53	106.0	9.87	115.4	11.48	125.4	13.00	129.2	13.26	134.2	13.60	138.0	13.82
		269.0	97.8	8.35	106.0	9.72	115.4	11.30	125.4	12.78	129.2	13.05	134.2	13.38	138.0	13.60
		538.0	97.8	7.65	106.0	9.12	115.4	10.59	125.4	11.90	129.2	12.23	134.2	12.51	138.0	12.72
		672.5	97.8	7.48	106.0	8.90	115.4	10.38	125.4	11.69	129.2	11.96	134.2	12.29	138.0	12.40
		807.0	97.8	7.40	106.0	8.79	115.4	10.27	125.4	11.58	129.2	11.82	134.2	12.18	138.0	12.23
	20	215.2	97.8	10.47	106.0	12.22	115.4	14.21	125.4	15.99	129.2	16.37	134.2	16.75	138.0	17.09
		269.0	97.8	10.27	106.0	12.01	115.4	13.98	125.4	15.73	129.2	16.11	134.2	16.49	138.0	16.82
		538.0	97.8	9.45	106.0	11.19	115.4	13.05	125.4	14.69	129.2	15.07	134.2	15.45	138.0	15.73
		672.5	97.8	9.17	106.0	10.98	115.4	12.78	125.4	14.42	129.2	14.80	134.2	15.18	138.0	15.29
		807.0	97.8	9.04	106.0	10.87	115.4	12.64	125.4	14.28	129.2	14.66	134.2	15.04	138.0	15.07
	25	215.2	97.8	12.82	106.0	14.88	115.4	17.31	125.4	19.47	129.2	19.99	134.2	20.48	138.0	20.81
		269.0	97.8	12.56	106.0	14.63	115.4	17.04	125.4	19.17	129.2	19.66	134.2	20.15	138.0	20.48
		538.0	97.8	11.52	106.0	13.65	115.4	15.95	125.4	17.97	129.2	18.35	134.2	18.84	138.0	19.17
		672.5	97.8	11.19	106.0	13.38	115.4	15.62	125.4	17.58	129.2	18.02	134.2	18.51	138.0	18.68
		807.0	97.8	11.03	106.0	13.24	115.4	15.45	125.4	17.39	129.2	17.86	134.2	18.35	138.0	18.43
	30	215.2	97.8	15.70	106.0	18.26	115.4	21.31	125.4	23.98	129.2	24.52	134.2	25.14	138.0	25.64
		269.0	97.8	15.40	106.0	17.97	115.4	20.97	125.4	23.59	129.2	24.14	134.2	24.74	138.0	25.23
		538.0	97.8	14.20	106.0	16.82	115.4	19.60	125.4	22.06	129.2	22.61	134.2	23.15	138.0	23.59
		672.5	97.8	13.82	106.0	16.44	115.4	19.17	125.4	21.62	129.2	22.17	134.2	22.72	138.0	22.99
		807.0	97.8	13.62	106.0	16.24	115.4	18.95	125.4	21.40	129.2	21.95	134.2	22.50	138.0	22.69
	35	215.2	97.8	17.49	106.0	20.32	115.4	23.64	125.4	26.64	129.2	27.31	134.2	27.98	138.0	28.47
		269.0	97.8	17.15	106.0	19.99	115.4	23.26	125.4	26.21	129.2	26.87	134.2	27.52	138.0	28.01
		538.0	97.8	15.78	106.0	18.68	115.4	21.79	125.4	24.52	129.2	25.12	134.2	25.72	138.0	26.21
		672.5	97.8	15.34	106.0	18.29	115.4	21.35	125.4	24.03	129.2	24.63	134.2	25.28	138.0	25.50
		807.0	97.8	15.12	106.0	18.10	115.4	21.13	125.4	23.78	129.2	24.38	134.2	25.06	138.0	25.14
	40	215.2	97.8	20.73	106.0	24.10	115.4	28.03	125.4	31.58	129.2	32.31	134.2	33.14	138.0	33.68
		269.0	97.8	20.31	106.0	23.70	115.4	27.58	125.4	31.07	129.2	31.78	134.2	32.60	138.0	33.15
		538.0	97.8	18.68	106.0	22.12	115.4	25.77	125.4	29.05	129.2	29.71	134.2	30.47	138.0	31.02
		672.5	97.8	18.13	106.0	21.68	115.4	25.23	125.4	28.45	129.2	29.16	134.2	29.92	138.0	30.20
		807.0	97.8	17.85	106.0	21.46	115.4	24.95	125.4	28.15	129.2	28.89	134.2	29.65	138.0	29.78
	45	215.2	97.8	23.96	106.0	27.88	115.4	32.43	125.4	36.52	129.2	37.30	134.2	38.30	138.0	38.90
		269.0	97.8	23.48	106.0	27.41	115.4	31.89	125.4	35.93	129.2	36.70	134.2	37.68	138.0	38.28
		538.0	97.8	21.57	106.0	25.56	115.4	29.76	125.4	33.58	129.2	34.29	134.2	35.22	138.0	35.82
		672.5	97.8	20.91	106.0	25.06	115.4	29.11	125.4	32.87	129.2	33.69	134.2	34.57	138.0	34.89
		807.0	97.8	20.58	106.0	24.82	115.4	28.78	125.4	32.52	129.2	33.39	134.2	34.24	138.0	34.43
70	10	215.2	85.7	5.18	92.7	6.04	101.0	6.98	109.7	7.87	113.0	8.17	117.4	8.39	120.7	8.41
		269.0	85.7	5.09	92.7	5.93	101.0	6.87	109.7	7.77	113.0	8.04	117.4	8.25	120.7	8.29
		538.0	85.7	4.73	92.7	5.51	101.0	6.46	109.7	7.36	113.0	7.52	117.4	7.73	120.7	7.83
		672.5	85.7	4.63	92.7	5.41	101.0	6.35	109.7	7.14	113.0	7.30	117.4	7.51	120.7	7.62
		807.0	85.7	4.58	92.7	5.35	101.0	6.30	109.7	7.03	113.0	7.19	117.4	7.40	120.7	7.51
	15	215.2	85.7	7.07	92.7	8.22	101.0	9.54	109.7	10.76	113.0	11.05	117.4	11.32	120.7	11.48
		269.0	85.7	6.94	92.7	8.08	101.0	9.39	109.7	10.59	113.0	10.87	117.4	11.14	120.7	11.30
		538.0	85.7	6.39	92.7	7.54	101.0	8.79	109.7	9.94	113.0	10.16	117.4	10.43	120.7	10.59
		672.5	85.7	6.23	92.7	7.37	101.0	8.63	109.7	9.72	113.0	9.94	117.4	10.21	120.7	10.32
		807.0	85.7	6.14	92.7	7.29	101.0	8.55	109.7	9.61	113.0	9.83	117.4	10.10	120.7	10.18
	20	215.2	85.7	8.75	92.7	10.16	101.0	11.82	109.7	13.33	113.0	13.60	117.4	13.93	120.7	14.21
		269.0	85.7	8.57	92.7	9.99	101.0	11.63	109.7	13.11	113.0	13.38	117.4	13.71	120.7	13.98
		538.0	85.7	7.86	92.7	9.34	101.0	10.87	109.7	12.23	113.0	12.51	117.4	12.83	120.7	13.05
		672.5	85.7	7.65	92.7	9.12	101.0	10.65	109.7	12.01	113.0	12.29	117.4	12.61	120.7	12.72
		807.0	85.7	7.53	92.7	9.01	101.0	10.54	109.7	11.90	113.0	12.18	117.4	12.50	120.7	12.56
	25	215.2	85.7	10.64	92.7	12.38	101.0	14.36	109.7	16.21	113.0	16.59	117.4	16.97	120.7	17.31
		269.0	85.7	10.43	92.7	12.18	101.0	14.14	109.7	15.95	113.0	16.33	117.4	16.71	120.7	17.04
		538.0	85.7	9.61	92.7	11.36	101.0	13.27	109.7	14.91	113.0	15.29	117.4	15.67	120.7	15.95
		672.5	85.7	9.34	92.7	11.14	101.0	13.00	109.7	14.63	113.0	14.96	117.4	15.34	120.7	15.51
		807.0	85.7	9.20	92.7	11.03	101.0	12.86	109.7	14.50	113.0	14.80	117.4	15.18	120.7	15.29

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	215.2	85.7	13.09	92.7	15.21	101.0	17.71	109.7	19.92	113.0	20.43	117.4	20.92	120.7	21.31
		269.0	85.7	12.83	92.7	14.96	101.0	17.42	109.7	19.60	113.0	20.10	117.4	20.59	120.7	20.97
		538.0	85.7	11.80	92.7	13.98	101.0	16.27	109.7	18.35	113.0	18.78	117.4	19.28	120.7	19.60
		672.5	85.7	11.47	92.7	13.71	101.0	15.95	109.7	17.97	113.0	18.46	117.4	18.89	120.7	19.11
		807.0	85.7	11.30	92.7	13.57	101.0	15.78	109.7	17.77	113.0	18.29	117.4	18.70	120.7	18.86
	35	215.2	85.7	14.54	92.7	16.86	101.0	19.72	109.7	22.15	113.0	22.71	117.4	23.25	120.7	23.64
		269.0	85.7	14.25	92.7	16.60	101.0	19.39	109.7	21.79	113.0	22.33	117.4	22.88	120.7	23.26
		538.0	85.7	13.11	92.7	15.56	101.0	18.07	109.7	20.37	113.0	20.86	117.4	21.41	120.7	21.79
		672.5	85.7	12.72	92.7	15.18	101.0	17.75	109.7	19.99	113.0	20.48	117.4	21.02	120.7	21.24
		807.0	85.7	12.53	92.7	14.99	101.0	17.58	109.7	19.79	113.0	20.29	117.4	20.83	120.7	20.97
	40	215.2	85.7	17.22	92.7	19.98	101.0	23.31	109.7	26.26	113.0	26.86	117.4	27.53	120.7	28.02
		269.0	85.7	16.87	92.7	19.66	101.0	22.94	109.7	25.83	113.0	26.43	117.4	27.09	120.7	27.58
		538.0	85.7	15.51	92.7	18.40	101.0	21.46	109.7	24.14	113.0	24.74	117.4	25.34	120.7	25.83
		672.5	85.7	15.07	92.7	18.02	101.0	20.97	109.7	23.64	113.0	24.25	117.4	24.90	120.7	25.12
		807.0	85.7	14.85	92.7	17.83	101.0	20.72	109.7	23.40	113.0	24.00	117.4	24.68	120.7	24.76
	45	215.2	85.7	19.89	92.7	23.09	101.0	26.90	109.7	30.37	113.0	31.01	117.4	31.80	120.7	32.40
		269.0	85.7	19.49	92.7	22.72	101.0	26.48	109.7	29.87	113.0	30.53	117.4	31.29	120.7	31.89
		538.0	85.7	17.91	92.7	21.24	101.0	24.85	109.7	27.90	113.0	28.61	117.4	29.27	120.7	29.87
		672.5	85.7	17.42	92.7	20.86	101.0	24.19	109.7	27.30	113.0	28.01	117.4	28.78	120.7	29.00
		807.0	85.7	17.17	92.7	20.67	101.0	23.86	109.7	27.00	113.0	27.71	117.4	28.53	120.7	28.56
60	10	215.2	73.4	4.12	79.5	4.80	86.5	5.52	94.0	6.36	97.0	6.53	100.7	6.60	103.5	6.71
		269.0	73.4	4.04	79.5	4.72	86.5	5.45	94.0	6.25	97.0	6.41	100.7	6.51	103.5	6.61
		538.0	73.4	3.73	79.5	4.41	86.5	5.20	94.0	5.83	97.0	5.93	100.7	6.15	103.5	6.25
		672.5	73.4	3.56	79.5	4.36	86.5	5.10	94.0	5.73	97.0	5.83	100.7	5.99	103.5	6.10
		807.0	73.4	3.48	79.5	4.34	86.5	5.05	94.0	5.68	97.0	5.78	100.7	5.90	103.5	6.02
	15	215.2	73.4	5.63	79.5	6.55	86.5	7.59	94.0	8.60	97.0	8.83	100.7	8.98	103.5	9.15
		269.0	73.4	5.52	79.5	6.44	86.5	7.48	94.0	8.46	97.0	8.68	100.7	8.85	103.5	9.01
		538.0	73.4	5.08	79.5	6.01	86.5	7.04	94.0	7.92	97.0	8.08	100.7	8.30	103.5	8.46
		672.5	73.4	4.91	79.5	5.90	86.5	6.88	94.0	7.75	97.0	7.92	100.7	8.14	103.5	8.25
		807.0	73.4	4.83	79.5	5.84	86.5	6.80	94.0	7.67	97.0	7.84	100.7	8.05	103.5	8.14
	20	215.2	73.4	6.96	79.5	8.11	86.5	9.43	94.0	10.60	97.0	10.88	100.7	11.10	103.5	11.32
		269.0	73.4	6.83	79.5	7.97	86.5	9.28	94.0	10.43	97.0	10.70	100.7	10.92	103.5	11.14
		538.0	73.4	6.28	79.5	7.43	86.5	8.68	94.0	9.77	97.0	9.99	100.7	10.21	103.5	10.43
		672.5	73.4	6.12	79.5	7.26	86.5	8.46	94.0	9.56	97.0	9.77	100.7	10.05	103.5	10.16
		807.0	73.4	6.03	79.5	7.18	86.5	8.35	94.0	9.45	97.0	9.66	100.7	9.97	103.5	10.02
	25	215.2	73.4	8.47	79.5	9.89	86.5	11.50	94.0	12.93	97.0	13.20	100.7	13.53	103.5	13.82
		269.0	73.4	8.30	79.5	9.72	86.5	11.30	94.0	12.72	97.0	13.00	100.7	13.32	103.5	13.60
		538.0	73.4	7.65	79.5	9.06	86.5	10.54	94.0	11.90	97.0	12.18	100.7	12.51	103.5	12.72
		672.5	73.4	7.43	79.5	8.85	86.5	10.32	94.0	11.63	97.0	11.96	100.7	12.23	103.5	12.40
		807.0	73.4	7.32	79.5	8.74	86.5	10.21	94.0	11.49	97.0	11.85	100.7	12.09	103.5	12.23
	30	215.2	73.4	10.42	79.5	12.10	86.5	14.09	94.0	15.87	97.0	16.26	100.7	16.64	103.5	16.99
		269.0	73.4	10.21	79.5	11.90	86.5	13.87	94.0	15.62	97.0	16.00	100.7	16.38	103.5	16.71
		538.0	73.4	9.39	79.5	11.14	86.5	13.00	94.0	14.63	97.0	14.96	100.7	15.34	103.5	15.62
		672.5	73.4	9.12	79.5	10.92	86.5	12.72	94.0	14.36	97.0	14.69	100.7	15.07	103.5	15.24
		807.0	73.4	8.98	79.5	10.81	86.5	12.59	94.0	14.22	97.0	14.55	100.7	14.93	103.5	15.04
	35	215.2	73.4	11.59	79.5	13.49	86.5	15.72	94.0	17.64	97.0	18.09	100.7	18.54	103.5	18.87
		269.0	73.4	11.36	79.5	13.27	86.5	15.45	94.0	17.37	97.0	17.80	100.7	18.24	103.5	18.57
		538.0	73.4	10.43	79.5	12.40	86.5	14.42	94.0	16.27	97.0	16.66	100.7	17.04	103.5	17.37
		672.5	73.4	10.16	79.5	12.12	86.5	14.14	94.0	15.95	97.0	16.33	100.7	16.76	103.5	16.93
		807.0	73.4	10.02	79.5	11.99	86.5	14.01	94.0	15.78	97.0	16.16	100.7	16.63	103.5	16.71
	40	215.2	73.4	13.70	79.5	15.92	86.5	18.60	94.0	20.93	97.0	21.42	100.7	21.91	103.5	22.37
		269.0	73.4	13.43	79.5	15.67	86.5	18.29	94.0	20.59	97.0	21.08	100.7	21.57	103.5	22.01
		538.0	73.4	12.40	79.5	14.69	86.5	17.09	94.0	19.22	97.0	19.71	100.7	20.20	103.5	20.59
		672.5	73.4	12.01	79.5	14.36	86.5	16.76	94.0	18.84	97.0	19.33	100.7	19.82	103.5	20.04
		807.0	73.4	11.82	79.5	14.20	86.5	16.60	94.0	18.65	97.0	19.14	100.7	19.63	103.5	19.77
	45	215.2	73.4	15.80	79.5	18.35	86.5	21.48	94.0	24.22	97.0	24.75	100.7	25.29	103.5	25.86
		269.0	73.4	15.51	79.5	18.07	86.5	21.13	94.0	23.81	97.0	24.35	100.7	24.90	103.5	25.45
		538.0	73.4	14.36	79.5	16.98	86.5	19.77	94.0	22.17	97.0	22.77	100.7	23.37	103.5	23.81
		672.5	73.4	13.87	79.5	16.60	86.5	19.39	94.0	21.73	97.0	22.33	100.7	22.88	103.5	23.15
		807.0	73.4	13.62	79.5	16.41	86.5	19.19	94.0	21.51	97.0	22.11	100.7	22.63	103.5	22.82
50	10	215.2	61.2	3.06	66.2	3.57	72.1	4.29	78.5	4.69	80.8	4.77	83.9	4.98	86.2	5.01
		269.0	61.2	2.99	66.2	3.52	72.1	4.21	78.5	4.62	80.8	4.72	83.9	4.89	86.2	4.94
		538.0	61.2	2.72	66.2	3.31	72.1	3.89	78.5	4.36	80.8	4.53	83.9	4.51	86.2	4.62
		672.5	61.2	2.68	66.2	3.32	72.1	3.78	78.5	4.25	80.8	4.30	83.9	4.46	86.2	4.46
		807.0	61.2	2.65	66.2	3.32	72.1	3.73	78.5	4.20	80.8	4.19	83.9	4.44	86.2	4.37

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	215.2	61.2	4.18	66.2	4.89	72.1	5.72	78.5	6.38	80.8	6.54	83.9	6.72	86.2	6.83
		269.0	61.2	4.10	66.2	4.81	72.1	5.62	78.5	6.28	80.8	6.44	83.9	6.61	86.2	6.72
		538.0	61.2	3.77	66.2	4.48	72.1	5.24	78.5	5.90	80.8	6.06	83.9	6.17	86.2	6.28
		672.5	61.2	3.66	66.2	4.42	72.1	5.13	78.5	5.79	80.8	5.90	83.9	6.06	86.2	6.12
		807.0	61.2	3.60	66.2	4.40	72.1	5.08	78.5	5.73	80.8	5.82	83.9	6.01	86.2	6.03
	20	215.2	61.2	5.18	66.2	6.06	72.1	6.99	78.5	7.88	80.8	8.11	83.9	8.26	86.2	8.44
		269.0	61.2	5.08	66.2	5.95	72.1	6.88	78.5	7.75	80.8	7.97	83.9	8.14	86.2	8.30
		538.0	61.2	4.70	66.2	5.52	72.1	6.44	78.5	7.26	80.8	7.43	83.9	7.65	86.2	7.75
		672.5	61.2	4.53	66.2	5.41	72.1	6.33	78.5	7.15	80.8	7.32	83.9	7.48	86.2	7.59
		807.0	61.2	4.45	66.2	5.35	72.1	6.28	78.5	7.10	80.8	7.26	83.9	7.40	86.2	7.51
	25	215.2	61.2	6.29	66.2	7.32	72.1	8.55	78.5	9.67	80.8	9.89	83.9	10.10	86.2	10.25
		269.0	61.2	6.17	66.2	7.21	72.1	8.41	78.5	9.50	80.8	9.72	83.9	9.94	86.2	10.10
		538.0	61.2	5.68	66.2	6.77	72.1	7.86	78.5	8.85	80.8	9.06	83.9	9.28	86.2	9.50
		672.5	61.2	5.52	66.2	6.61	72.1	7.70	78.5	8.68	80.8	8.90	83.9	9.12	86.2	9.23
		807.0	61.2	5.43	66.2	6.52	72.1	7.62	78.5	8.60	80.8	8.82	83.9	9.04	86.2	9.09
	30	215.2	61.2	7.81	66.2	9.05	72.1	10.55	78.5	11.88	80.8	12.17	83.9	12.43	86.2	12.66
		269.0	61.2	7.65	66.2	8.90	72.1	10.38	78.5	11.69	80.8	11.96	83.9	12.23	86.2	12.45
		538.0	61.2	6.99	66.2	8.30	72.1	9.67	78.5	10.92	80.8	11.14	83.9	11.47	86.2	11.63
		672.5	61.2	6.83	66.2	8.14	72.1	9.50	78.5	10.70	80.8	10.98	83.9	11.25	86.2	11.36
		807.0	61.2	6.74	66.2	8.05	72.1	9.42	78.5	10.59	80.8	10.89	83.9	11.14	86.2	11.22
	35	215.2	61.2	8.63	66.2	10.05	72.1	11.72	78.5	13.15	80.8	13.49	83.9	13.82	86.2	14.04
		269.0	61.2	8.46	66.2	9.88	72.1	11.52	78.5	12.94	80.8	13.27	83.9	13.60	86.2	13.82
		538.0	61.2	7.81	66.2	9.23	72.1	10.76	78.5	12.12	80.8	12.40	83.9	12.72	86.2	12.94
		672.5	61.2	7.59	66.2	9.06	72.1	10.54	78.5	11.90	80.8	12.18	83.9	12.51	86.2	12.61
		807.0	61.2	7.48	66.2	8.98	72.1	10.43	78.5	11.79	80.8	12.07	83.9	12.39	86.2	12.45
	40	215.2	61.2	10.25	66.2	11.88	72.1	13.89	78.5	15.59	80.8	15.99	83.9	16.37	86.2	16.64
		269.0	61.2	10.05	66.2	11.69	72.1	13.65	78.5	15.34	80.8	15.73	83.9	16.11	86.2	16.38
		538.0	61.2	9.23	66.2	10.92	72.1	12.72	78.5	14.36	80.8	14.69	83.9	15.07	86.2	15.34
		672.5	61.2	8.96	66.2	10.70	72.1	12.51	78.5	14.09	80.8	14.42	83.9	14.80	86.2	14.91
		807.0	61.2	8.82	66.2	10.59	72.1	12.39	78.5	13.95	80.8	14.28	83.9	14.66	86.2	14.69
	45	215.2	61.2	11.88	66.2	13.71	72.1	16.06	78.5	18.04	80.8	18.49	83.9	18.92	86.2	19.25
		269.0	61.2	11.63	66.2	13.49	72.1	15.78	78.5	17.75	80.8	18.18	83.9	18.62	86.2	18.95
		538.0	61.2	10.65	66.2	12.61	72.1	14.69	78.5	16.60	80.8	16.98	83.9	17.42	86.2	17.75
		672.5	61.2	10.32	66.2	12.34	72.1	14.47	78.5	16.27	80.8	16.66	83.9	17.09	86.2	17.20
		807.0	61.2	10.16	66.2	12.20	72.1	14.36	78.5	16.11	80.8	16.49	83.9	16.93	86.2	16.93

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(58HP)

ARWN580LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	222.8	151.0	10.77	163.5	12.63	178.0	14.71	193.4	16.49	199.3	16.86	207.1	17.42	212.9	17.66
		278.5	151.0	10.57	163.5	12.41	178.0	14.45	193.4	16.22	199.3	16.61	207.1	17.12	212.9	17.39
		557.0	151.0	9.81	163.5	11.51	178.0	13.45	193.4	15.17	199.3	15.62	207.1	15.94	212.9	16.34
		696.3	151.0	9.53	163.5	11.35	178.0	13.24	193.4	14.83	199.3	15.29	207.1	15.67	212.9	15.89
		835.5	151.0	9.39	163.5	11.27	178.0	13.13	193.4	14.66	199.3	15.12	207.1	15.54	212.9	15.66
	15	222.8	148.5	14.20	160.9	16.55	175.1	19.29	190.3	21.66	196.1	22.18	203.7	22.77	209.5	23.15
		278.5	148.5	13.92	160.9	16.27	175.1	18.97	190.3	21.32	196.1	21.83	203.7	22.41	209.5	22.81
		557.0	148.5	12.84	160.9	15.19	175.1	17.71	190.3	19.94	196.1	20.46	203.7	20.97	209.5	21.43
		696.3	148.5	12.49	160.9	14.90	175.1	17.36	190.3	19.54	196.1	20.06	203.7	20.57	209.5	20.92
		835.5	148.5	12.32	160.9	14.75	175.1	17.19	190.3	19.34	196.1	19.85	203.7	20.37	209.5	20.66
	20	222.8	146.3	17.25	158.5	20.03	172.6	23.36	187.6	26.26	193.2	26.91	200.7	27.52	206.4	28.04
		278.5	146.3	16.90	158.5	19.71	172.6	22.98	187.6	25.84	193.2	26.47	200.7	27.10	206.4	27.62
		557.0	146.3	15.53	158.5	18.45	172.6	21.49	187.6	24.18	193.2	24.76	200.7	25.44	206.4	25.96
		696.3	146.3	15.13	158.5	18.05	172.6	21.03	187.6	23.72	193.2	24.30	200.7	24.93	206.4	25.39
		835.5	146.3	14.93	158.5	17.85	172.6	20.80	187.6	23.49	193.2	24.07	200.7	24.67	206.4	25.10
	25	222.8	146.3	21.28	158.5	24.69	172.6	28.77	187.6	32.45	193.2	33.20	200.7	33.99	206.4	34.56
		278.5	146.3	20.86	158.5	24.30	172.6	28.31	187.6	31.92	193.2	32.66	200.7	33.47	206.4	34.04
		557.0	146.3	19.20	158.5	22.75	172.6	26.47	187.6	29.80	193.2	30.54	200.7	31.40	206.4	31.98
		696.3	146.3	18.62	158.5	22.23	172.6	25.96	187.6	29.22	193.2	29.97	200.7	30.77	206.4	31.29
		835.5	146.3	18.33	158.5	21.97	172.6	25.70	187.6	28.94	193.2	29.68	200.7	30.45	206.4	30.94
	30	222.8	146.3	25.56	158.5	29.65	172.6	34.53	187.6	38.92	193.2	39.83	200.7	40.81	206.4	41.48
		278.5	146.3	25.04	158.5	29.17	172.6	33.98	187.6	38.28	193.2	39.20	200.7	40.17	206.4	40.86
		557.0	146.3	22.98	158.5	27.28	172.6	31.80	187.6	35.76	193.2	36.67	200.7	37.65	206.4	38.39
		696.3	146.3	22.35	158.5	26.70	172.6	31.12	187.6	35.07	193.2	35.99	200.7	36.90	206.4	37.53
		835.5	146.3	22.03	158.5	26.41	172.6	30.77	187.6	34.72	193.2	35.64	200.7	36.53	206.4	37.10
	35	222.8	131.7	25.78	142.6	30.00	155.3	34.95	168.8	39.30	173.9	40.31	180.7	41.28	185.8	41.94
		278.5	131.7	25.27	142.6	29.51	155.3	34.38	168.8	38.68	173.9	39.65	180.7	40.63	185.8	41.32
		557.0	131.7	23.27	142.6	27.56	155.3	32.15	168.8	36.22	173.9	37.08	180.7	38.05	185.8	38.85
		696.3	131.7	22.63	142.6	26.99	155.3	31.46	168.8	35.47	173.9	36.39	180.7	37.30	185.8	37.93
		835.5	131.7	22.32	142.6	26.70	155.3	31.11	168.8	35.10	173.9	36.04	180.7	36.93	185.8	37.47
	40	222.8	117.0	27.25	126.8	31.62	138.0	36.87	150.0	41.47	154.6	42.44	160.5	43.47	165.1	44.27
		278.5	117.0	26.70	126.8	31.12	138.0	36.27	150.0	40.80	154.6	41.77	160.5	42.81	165.1	43.61
		557.0	117.0	24.53	126.8	29.11	138.0	33.92	150.0	38.16	154.6	39.14	160.5	40.17	165.1	40.97
		696.3	117.0	23.84	126.8	28.48	138.0	33.18	150.0	37.42	154.6	38.39	160.5	39.37	165.1	40.06
		835.5	117.0	23.49	126.8	28.16	138.0	32.80	150.0	37.04	154.6	38.02	160.5	38.96	165.1	39.59
	45	222.8	102.3	28.73	111.1	33.24	120.7	38.79	131.2	43.63	135.3	44.57	140.4	45.66	144.4	46.61
		278.5	102.3	28.14	111.1	32.72	120.7	38.16	131.2	42.92	135.3	43.89	140.4	44.98	144.4	45.90
		557.0	102.3	25.79	111.1	30.66	120.7	35.70	131.2	40.11	135.3	41.20	140.4	42.29	144.4	43.09
		696.3	102.3	25.04	111.1	29.97	120.7	34.90	131.2	39.37	135.3	40.40	140.4	41.43	144.4	42.18
		835.5	102.3	24.67	111.1	29.62	120.7	34.49	131.2	38.99	135.3	39.99	140.4	41.00	144.4	41.71
120	10	222.8	142.9	10.27	154.6	11.98	168.5	13.87	183.1	15.62	188.5	16.11	196.0	16.49	201.4	16.68
		278.5	142.9	10.06	154.6	11.78	168.5	13.66	183.1	15.37	188.5	15.82	196.0	16.21	201.4	16.42
		557.0	142.9	9.23	154.6	11.01	168.5	12.84	183.1	14.38	188.5	14.71	196.0	15.09	201.4	15.43
		696.3	142.9	8.95	154.6	10.67	168.5	12.56	183.1	14.04	188.5	14.49	196.0	14.82	201.4	15.10
		835.5	142.9	8.81	154.6	10.49	168.5	12.42	183.1	13.87	188.5	14.38	196.0	14.68	201.4	14.93
	15	222.8	141.2	13.63	152.9	15.85	166.6	18.40	181.0	20.73	186.4	21.26	193.7	21.78	199.1	22.11
		278.5	141.2	13.35	152.9	15.59	166.6	18.11	181.0	20.40	186.4	20.92	193.7	21.43	199.1	21.78
		557.0	141.2	12.26	152.9	14.56	166.6	16.96	181.0	19.08	186.4	19.54	193.7	20.06	199.1	20.46
		696.3	141.2	11.92	152.9	14.21	166.6	16.62	181.0	18.68	186.4	19.20	193.7	19.66	199.1	20.00
		835.5	141.2	11.75	152.9	14.04	166.6	16.44	181.0	18.48	186.4	19.02	193.7	19.45	199.1	19.77
	20	222.8	139.7	16.61	151.4	19.29	164.9	22.42	179.2	25.28	184.6	25.85	191.7	26.48	197.1	26.94
		278.5	139.7	16.27	151.4	18.97	164.9	22.06	179.2	24.87	184.6	25.44	191.7	26.07	197.1	26.53
		557.0	139.7	14.96	151.4	17.71	164.9	20.63	179.2	23.27	184.6	23.84	191.7	24.47	197.1	24.93
		696.3	139.7	14.56	151.4	17.36	164.9	20.23	179.2	22.81	184.6	23.38	191.7	23.95	197.1	24.35
		835.5	139.7	14.35	151.4	17.19	164.9	20.03	179.2	22.58	184.6	23.15	191.7	23.69	197.1	24.07
	25	222.8	139.7	20.40	151.4	23.71	164.9	27.61	179.2	31.03	184.6	31.79	191.7	32.61	197.1	33.17
		278.5	139.7	20.00	151.4	23.32	164.9	27.16	179.2	30.54	184.6	31.29	191.7	32.09	197.1	32.66
		557.0	139.7	18.39	151.4	21.78	164.9	25.39	179.2	28.59	184.6	29.28	191.7	30.03	197.1	30.66
		696.3	139.7	17.88	151.4	21.32	164.9	24.87	179.2	28.02	184.6	28.71	191.7	29.45	197.1	29.91
		835.5	139.7	17.62	151.4	21.09	164.9	24.61	179.2	27.73	184.6	28.42	191.7	29.17	197.1	29.54
	30	222.8	139.7	24.60	151.4	28.66	164.9	33.38	179.2	37.57	184.6	38.43	191.7	39.42	197.1	40.10
		278.5	139.7	24.12	151.4	28.19	164.9	32.83	179.2	36.96	184.6	37.82	191.7	38.79	197.1	39.48
		557.0	139.7	22.23	151.4	26.36	164.9	30.66	179.2	34.55	184.6	35.41	191.7	36.33	197.1	37.02
		696.3	139.7	21.60	151.4	25.79	164.9	30.03	179.2	33.87	184.6	34.73	191.7	35.64	197.1	36.16
		835.5	139.7	21.29	151.4	25.50	164.9	29.71	179.2	33.52	184.6	34.38	191.7	35.30	197.1	35.73

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	222.8	127.9	25.26	138.5	29.36	150.9	34.19	163.9	38.50	168.8	39.43	175.4	40.33	180.4	41.09
		278.5	127.9	24.76	138.5	28.88	150.9	33.64	163.9	37.88	168.8	38.79	175.4	39.71	180.4	40.46
		557.0	127.9	22.75	138.5	26.99	150.9	31.46	163.9	35.41	168.8	36.27	175.4	37.25	180.4	37.93
		696.3	127.9	22.12	138.5	26.42	150.9	30.83	163.9	34.73	168.8	35.59	175.4	36.50	180.4	37.08
		835.5	127.9	21.80	138.5	26.13	150.9	30.51	163.9	34.38	168.8	35.24	175.4	36.13	180.4	36.64
	40	222.8	116.0	27.18	125.7	31.57	136.8	36.81	148.9	41.41	153.3	42.40	159.2	43.43	163.6	44.23
		278.5	116.0	26.65	125.7	31.06	136.8	36.22	148.9	40.74	153.3	41.72	159.2	42.75	163.6	43.55
		557.0	116.0	24.53	125.7	29.05	136.8	33.87	148.9	38.11	153.3	39.02	159.2	40.06	163.6	40.86
		696.3	116.0	23.84	125.7	28.42	136.8	33.18	148.9	37.36	153.3	38.34	159.2	39.31	163.6	39.88
		835.5	116.0	23.49	125.7	28.10	136.8	32.83	148.9	36.99	153.3	37.99	159.2	38.93	163.6	39.39
	45	222.8	104.1	29.10	112.8	33.77	122.8	39.43	133.8	44.32	137.7	45.36	142.9	46.52	146.8	47.37
		278.5	104.1	28.54	112.8	33.24	122.8	38.79	133.8	43.61	137.7	44.64	142.9	45.79	146.8	46.65
		557.0	104.1	26.30	112.8	31.12	122.8	36.27	133.8	40.80	137.7	41.77	142.9	42.86	146.8	43.78
		696.3	104.1	25.56	112.8	30.43	122.8	35.53	133.8	40.00	137.7	41.09	142.9	42.12	146.8	42.69
		835.5	104.1	25.18	112.8	30.08	122.8	35.15	133.8	39.59	137.7	40.74	142.9	41.74	146.8	42.14
110	10	222.8	134.7	9.69	146.1	11.22	158.9	13.15	172.7	14.76	177.7	15.07	184.9	15.55	189.8	15.77
		278.5	134.7	9.50	146.1	11.04	158.9	12.92	172.7	14.52	177.7	14.85	184.9	15.30	189.8	15.51
		557.0	134.7	8.72	146.1	10.32	158.9	12.03	172.7	13.58	177.7	13.97	184.9	14.30	189.8	14.52
		696.3	134.7	8.50	146.1	10.10	158.9	11.75	172.7	13.37	177.7	13.57	184.9	14.03	189.8	14.19
		835.5	134.7	8.39	146.1	9.99	158.9	11.61	172.7	13.26	177.7	13.37	184.9	13.88	189.8	14.02
	15	222.8	134.0	12.98	145.1	15.09	158.0	17.60	171.7	19.80	176.8	20.26	183.7	20.79	188.8	21.13
		278.5	134.0	12.72	145.1	14.84	158.0	17.31	171.7	19.48	176.8	19.94	183.7	20.46	188.8	20.80
		557.0	134.0	11.69	145.1	13.87	158.0	16.16	171.7	18.22	176.8	18.68	183.7	19.14	188.8	19.48
		696.3	134.0	11.40	145.1	13.58	158.0	15.82	171.7	17.88	176.8	18.28	183.7	18.80	188.8	19.02
		835.5	134.0	11.26	145.1	13.44	158.0	15.64	171.7	17.71	176.8	18.08	183.7	18.62	188.8	18.79
	20	222.8	133.3	15.91	144.3	18.53	157.2	21.55	170.9	24.29	175.9	24.87	182.7	25.45	188.0	25.91
		278.5	133.3	15.59	144.3	18.22	157.2	21.20	170.9	23.90	175.9	24.47	182.7	25.04	188.0	25.50
		557.0	133.3	14.33	144.3	17.02	157.2	19.83	170.9	22.35	175.9	22.86	182.7	23.44	188.0	23.90
		696.3	133.3	13.98	144.3	16.68	157.2	19.43	170.9	21.89	175.9	22.46	182.7	23.04	188.0	23.32
		835.5	133.3	13.81	144.3	16.50	157.2	19.22	170.9	21.66	175.9	22.26	182.7	22.83	188.0	23.03
	25	222.8	133.3	19.46	144.3	22.65	157.2	26.38	170.9	29.70	175.9	30.39	182.7	31.15	188.0	31.72
		278.5	133.3	19.08	144.3	22.29	157.2	25.96	170.9	29.22	175.9	29.91	182.7	30.66	188.0	31.23
		557.0	133.3	17.59	144.3	20.86	157.2	24.30	170.9	27.33	175.9	28.02	182.7	28.71	188.0	29.28
		696.3	133.3	17.08	144.3	20.40	157.2	23.78	170.9	26.82	175.9	27.45	182.7	28.19	188.0	28.54
		835.5	133.3	16.82	144.3	20.17	157.2	23.52	170.9	26.56	175.9	27.16	182.7	27.93	188.0	28.16
	30	222.8	133.3	23.73	144.3	27.61	157.2	32.15	170.9	36.24	175.9	37.10	182.7	37.96	188.0	38.66
		278.5	133.3	23.27	144.3	27.16	157.2	31.63	170.9	35.64	175.9	36.50	182.7	37.36	188.0	38.05
		557.0	133.3	21.43	144.3	25.39	157.2	29.57	170.9	33.29	175.9	34.15	182.7	35.01	188.0	35.64
		696.3	133.3	20.86	144.3	24.87	157.2	29.00	170.9	32.66	175.9	33.47	182.7	34.32	188.0	34.78
		835.5	133.3	20.57	144.3	24.61	157.2	28.71	170.9	32.35	175.9	33.12	182.7	33.98	188.0	34.35
	35	222.8	124.1	24.73	134.5	28.71	146.5	33.43	159.2	37.68	163.9	38.56	170.4	39.47	175.1	40.23
		278.5	124.1	24.24	134.5	28.25	146.5	32.89	159.2	37.08	163.9	37.93	170.4	38.85	175.1	39.60
		557.0	124.1	22.29	134.5	26.42	146.5	30.77	159.2	34.67	163.9	35.47	170.4	36.39	175.1	37.08
		696.3	124.1	21.66	134.5	25.84	146.5	30.14	159.2	33.98	163.9	34.84	170.4	35.70	175.1	36.16
		835.5	124.1	21.34	134.5	25.56	146.5	29.82	159.2	33.63	163.9	34.52	170.4	35.35	175.1	35.70
	40	222.8	115.0	27.12	124.6	31.58	135.6	36.75	147.5	41.35	151.9	42.34	157.8	43.37	162.2	44.19
		278.5	115.0	26.59	124.6	31.06	135.6	36.16	147.5	40.69	151.9	41.66	157.8	42.69	162.2	43.49
		557.0	115.0	24.47	124.6	29.00	135.6	33.81	147.5	38.05	151.9	38.97	157.8	40.00	162.2	40.74
		696.3	115.0	23.78	124.6	28.37	135.6	33.12	147.5	37.30	151.9	38.28	157.8	39.25	162.2	39.71
		835.5	115.0	23.43	124.6	28.05	135.6	32.77	147.5	36.93	151.9	37.93	157.8	38.88	162.2	39.19
	45	222.8	105.8	29.52	114.8	34.45	124.8	40.08	135.8	45.02	139.9	46.12	145.3	47.27	149.4	48.14
		278.5	105.8	28.94	114.8	33.87	124.8	39.42	135.8	44.30	139.9	45.38	145.3	46.53	149.4	47.39
		557.0	105.8	26.65	114.8	31.57	124.8	36.85	135.8	41.43	139.9	42.46	145.3	43.61	149.4	44.41
		696.3	105.8	25.90	114.8	30.89	124.8	36.10	135.8	40.63	139.9	41.72	145.3	42.81	149.4	43.26
		835.5	105.8	25.53	114.8	30.54	124.8	35.73	135.8	40.22	139.9	41.34	145.3	42.40	149.4	42.69
100	10	222.8	126.7	9.17	137.2	10.66	149.4	12.24	162.4	13.95	167.3	14.15	173.7	14.63	178.7	14.91
		278.5	126.7	8.99	137.2	10.48	149.4	12.06	162.4	13.73	167.3	13.94	173.7	14.39	178.7	14.67
		557.0	126.7	8.27	137.2	9.76	149.4	11.35	162.4	12.85	167.3	13.12	173.7	13.45	178.7	13.73
		696.3	126.7	7.99	137.2	9.53	149.4	11.07	162.4	12.57	167.3	12.84	173.7	13.17	178.7	13.28
		835.5	126.7	7.85	137.2	9.42	149.4	10.93	162.4	12.43	167.3	12.70	173.7	13.03	178.7	13.05
	15	222.8	126.7	12.39	137.2	14.39	149.4	16.71	162.4	18.87	167.3	19.27	173.7	19.80	178.7	20.15
		278.5	126.7	12.15	137.2	14.15	149.4	16.45	162.4	18.57	167.3	18.97	173.7	19.48	178.7	19.83
		557.0	126.7	11.17	137.2	13.24	149.4	15.41	162.4	17.36	167.3	17.76	173.7	18.22	178.7	18.57
		696.3	126.7	10.83	137.2	12.95	149.4	15.07	162.4	17.02	167.3	17.42	173.7	17.88	178.7	18.05
		835.5	126.7	10.66	137.2	12.81	149.4	14.90	162.4	16.85	167.3	17.25	173.7	17.71	178.7	17.79

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	222.8	126.7	15.26	137.2	17.70	149.4	20.68	162.4	23.24	167.3	23.83	173.7	24.40	178.7	24.80
		278.5	126.7	14.96	137.2	17.42	149.4	20.34	162.4	22.86	167.3	23.44	173.7	24.01	178.7	24.41
		557.0	126.7	13.75	137.2	16.33	149.4	19.02	162.4	21.37	167.3	21.89	173.7	22.46	178.7	22.86
		696.3	126.7	13.35	137.2	15.99	149.4	18.62	162.4	20.97	167.3	21.49	173.7	22.06	178.7	22.29
		835.5	126.7	13.15	137.2	15.81	149.4	18.42	162.4	20.77	167.3	21.29	173.7	21.86	178.7	22.00
	25	222.8	126.7	18.58	137.2	21.61	149.4	25.16	162.4	28.37	167.3	29.07	173.7	29.76	178.7	30.28
		278.5	126.7	18.22	137.2	21.26	149.4	24.76	162.4	27.91	167.3	28.59	173.7	29.28	178.7	29.80
		557.0	126.7	16.79	137.2	19.88	149.4	23.15	162.4	26.07	167.3	26.70	173.7	27.39	178.7	27.91
		696.3	126.7	16.33	137.2	19.48	149.4	22.69	162.4	25.56	167.3	26.19	173.7	26.88	178.7	27.16
		835.5	126.7	16.10	137.2	19.28	149.4	22.46	162.4	25.30	167.3	25.93	173.7	26.62	178.7	26.79
	30	222.8	126.7	22.85	137.2	26.62	149.4	30.99	162.4	34.89	167.3	35.71	173.7	36.57	178.7	37.27
		278.5	126.7	22.41	137.2	26.19	149.4	30.49	162.4	34.32	167.3	35.13	173.7	35.99	178.7	36.67
		557.0	126.7	20.63	137.2	24.47	149.4	28.48	162.4	32.09	167.3	32.83	173.7	33.69	178.7	34.32
		696.3	126.7	20.06	137.2	23.95	149.4	27.91	162.4	31.46	167.3	32.26	173.7	33.06	178.7	33.41
		835.5	126.7	19.77	137.2	23.69	149.4	27.62	162.4	31.14	167.3	31.97	173.7	32.75	178.7	32.95
	35	222.8	120.4	24.14	130.4	28.07	141.9	32.67	154.3	36.81	158.8	37.68	165.1	38.60	169.7	39.30
		278.5	120.4	23.67	130.4	27.62	141.9	32.15	154.3	36.22	158.8	37.08	165.1	37.99	169.7	38.68
		557.0	120.4	21.78	130.4	25.84	141.9	30.08	154.3	33.87	158.8	34.67	165.1	35.59	169.7	36.22
		696.3	120.4	21.20	130.4	25.27	141.9	29.45	154.3	33.24	158.8	34.04	165.1	34.90	169.7	35.24
		835.5	120.4	20.91	130.4	24.98	141.9	29.14	154.3	32.92	158.8	33.72	165.1	34.55	169.7	34.75
	40	222.8	114.0	27.14	123.5	31.51	134.5	36.69	146.1	41.29	150.5	42.28	156.5	43.33	160.7	44.07
		278.5	114.0	26.59	123.5	31.00	134.5	36.10	146.1	40.63	150.5	41.60	156.5	42.63	160.7	43.38
		557.0	114.0	24.41	123.5	29.00	134.5	33.75	146.1	37.99	150.5	38.91	156.5	39.88	160.7	40.63
		696.3	114.0	23.78	123.5	28.37	134.5	33.06	146.1	37.25	150.5	38.16	156.5	39.14	160.7	39.54
		835.5	114.0	23.46	123.5	28.05	134.5	32.72	146.1	36.87	150.5	37.79	156.5	38.76	160.7	38.99
	45	222.8	107.5	30.13	116.5	34.95	127.0	40.72	138.0	45.78	142.2	46.88	147.8	48.06	151.7	48.84
		278.5	107.5	29.51	116.5	34.38	127.0	40.06	138.0	45.04	142.2	46.13	147.8	47.28	151.7	48.08
		557.0	107.5	27.05	116.5	32.15	127.0	37.42	138.0	42.12	142.2	43.15	147.8	44.18	151.7	45.04
		696.3	107.5	26.36	116.5	31.46	127.0	36.67	138.0	41.26	142.2	42.29	147.8	43.38	151.7	43.84
		835.5	107.5	26.01	116.5	31.11	127.0	36.30	138.0	40.83	142.2	41.86	147.8	42.97	151.7	43.23
90	10	222.8	114.0	7.79	123.5	9.05	134.5	10.58	146.1	11.98	150.5	12.19	156.5	12.45	160.7	12.84
		278.5	114.0	7.66	123.5	8.93	134.5	10.41	146.1	11.80	150.5	12.01	156.5	12.28	160.7	12.63
		557.0	114.0	7.11	123.5	8.44	134.5	9.76	146.1	11.09	150.5	11.30	156.5	11.64	160.7	11.80
		696.3	114.0	6.89	123.5	8.15	134.5	9.59	146.1	10.74	150.5	11.08	156.5	11.42	160.7	11.40
		835.5	114.0	6.78	123.5	8.01	134.5	9.51	146.1	10.57	150.5	10.97	156.5	11.31	160.7	11.20
	15	222.8	114.0	10.63	123.5	12.34	134.5	14.39	146.1	16.25	150.5	16.59	156.5	16.99	160.7	17.35
		278.5	114.0	10.43	123.5	12.15	134.5	14.15	146.1	15.99	150.5	16.33	156.5	16.73	160.7	17.08
		557.0	114.0	9.63	123.5	11.40	134.5	13.24	146.1	14.96	150.5	15.30	156.5	15.70	160.7	15.99
		696.3	114.0	9.34	123.5	11.12	134.5	13.01	146.1	14.61	150.5	15.01	156.5	15.41	160.7	15.53
		835.5	114.0	9.20	123.5	10.97	134.5	12.89	146.1	14.44	150.5	14.87	156.5	15.27	160.7	15.30
	20	222.8	114.0	13.15	123.5	15.26	134.5	17.77	146.1	20.05	150.5	20.50	156.5	21.03	160.7	21.36
		278.5	114.0	12.89	123.5	15.01	134.5	17.48	146.1	19.71	150.5	20.17	156.5	20.69	160.7	21.03
		557.0	114.0	11.86	123.5	14.04	134.5	16.33	146.1	18.39	150.5	18.85	156.5	19.31	160.7	19.71
		696.3	114.0	11.52	123.5	13.75	134.5	16.05	146.1	18.05	150.5	18.51	156.5	18.97	160.7	19.20
		835.5	114.0	11.34	123.5	13.61	134.5	15.90	146.1	17.88	150.5	18.34	156.5	18.79	160.7	18.94
	25	222.8	114.0	16.02	123.5	18.64	134.5	21.66	146.1	24.40	150.5	24.99	156.5	25.62	160.7	26.09
		278.5	114.0	15.70	123.5	18.34	134.5	21.32	146.1	24.01	150.5	24.58	156.5	25.21	160.7	25.67
		557.0	114.0	14.44	123.5	17.13	134.5	19.94	146.1	22.46	150.5	22.98	156.5	23.61	160.7	24.01
		696.3	114.0	14.04	123.5	16.73	134.5	19.54	146.1	22.00	150.5	22.58	156.5	23.15	160.7	23.38
		835.5	114.0	13.84	123.5	16.53	134.5	19.34	146.1	21.77	150.5	22.38	156.5	22.92	160.7	23.06
	30	222.8	114.0	19.70	123.5	22.90	134.5	26.68	146.1	30.06	150.5	30.75	156.5	31.51	160.7	32.10
		278.5	114.0	19.31	123.5	22.52	134.5	26.25	146.1	29.57	150.5	30.26	156.5	31.00	160.7	31.57
		557.0	114.0	17.76	123.5	21.03	134.5	24.53	146.1	27.62	150.5	28.31	156.5	29.00	160.7	29.51
		696.3	114.0	17.25	123.5	20.63	134.5	24.01	146.1	27.10	150.5	27.73	156.5	28.48	160.7	28.77
		835.5	114.0	16.99	123.5	20.43	134.5	23.75	146.1	26.84	150.5	27.45	156.5	28.22	160.7	28.39
	35	222.8	110.9	21.29	120.1	24.70	130.7	28.77	142.1	32.38	146.3	33.14	152.1	33.94	156.3	34.59
		278.5	110.9	20.86	120.1	24.30	130.7	28.31	142.1	31.86	146.3	32.61	152.1	33.41	156.3	34.04
		557.0	110.9	19.14	120.1	22.69	130.7	26.47	142.1	29.80	146.3	30.49	152.1	31.29	156.3	31.86
		696.3	110.9	18.62	120.1	22.23	130.7	25.90	142.1	29.22	146.3	29.97	152.1	30.71	156.3	31.00
		835.5	110.9	18.36	120.1	22.00	130.7	25.61	142.1	28.94	146.3	29.71	152.1	30.43	156.3	30.57
	40	222.8	107.7	24.45	116.7	28.37	127.0	33.01	138.0	37.22	142.2	38.08	147.7	39.02	151.9	39.70
		278.5	107.7	23.95	116.7	27.91	127.0	32.49	138.0	36.62	142.2	37.48	147.7	38.39	151.9	39.08
		557.0	107.7	22.00	116.7	26.07	127.0	30.43	138.0	34.21	142.2	35.07	147.7	35.93	151.9	36.62
		696.3	107.7	21.37	116.7	25.56	127.0	29.80	138.0	33.58	142.2	34.38	147.7	35.30	151.9	35.64
		835.5	107.7	21.06	116.7	25.30	127.0	29.48	138.0	33.26	142.2	34.04	147.7	34.98	151.9	35.15

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	222.8	104.5	27.60	113.3	32.04	123.3	37.25	134.0	42.07	138.2	43.03	143.3	44.09	147.5	44.82
		278.5	104.5	27.05	113.3	31.52	123.3	36.67	134.0	41.37	138.2	42.35	143.3	43.38	147.5	44.12
		557.0	104.5	24.87	113.3	29.45	123.3	34.38	134.0	38.62	138.2	39.65	143.3	40.57	147.5	41.37
		696.3	104.5	24.12	113.3	28.88	123.3	33.69	134.0	37.93	138.2	38.79	143.3	39.88	147.5	40.28
		835.5	104.5	23.75	113.3	28.59	123.3	33.35	134.0	37.59	138.2	38.36	143.3	39.54	147.5	39.74
80	10	222.8	101.3	6.67	109.7	7.59	119.6	8.83	129.9	10.11	133.8	10.24	139.0	10.55	142.9	10.63
		278.5	101.3	6.51	109.7	7.49	119.6	8.70	129.9	9.93	133.8	10.09	139.0	10.36	142.9	10.47
		557.0	101.3	5.90	109.7	7.12	119.6	8.22	129.9	9.20	133.8	9.48	139.0	9.64	142.9	9.81
		696.3	101.3	5.85	109.7	6.89	119.6	8.05	129.9	9.04	133.8	9.20	139.0	9.48	142.9	9.59
		835.5	101.3	5.83	109.7	6.78	119.6	7.97	129.9	8.96	133.8	9.05	139.0	9.39	142.9	9.48
	15	222.8	101.3	8.96	109.7	10.36	119.6	12.05	129.9	13.64	133.8	13.91	139.0	14.27	142.9	14.50
		278.5	101.3	8.77	109.7	10.20	119.6	11.86	129.9	13.41	133.8	13.70	139.0	14.04	142.9	14.27
		557.0	101.3	8.02	109.7	9.57	119.6	11.12	129.9	12.49	133.8	12.84	139.0	13.12	142.9	13.35
		696.3	101.3	7.85	109.7	9.34	119.6	10.89	129.9	12.26	133.8	12.55	139.0	12.89	142.9	13.01
		835.5	101.3	7.76	109.7	9.22	119.6	10.77	129.9	12.15	133.8	12.41	139.0	12.78	142.9	12.83
	20	222.8	101.3	10.99	109.7	12.82	119.6	14.92	129.9	16.78	133.8	17.18	139.0	17.58	142.9	17.94
		278.5	101.3	10.77	109.7	12.61	119.6	14.67	129.9	16.50	133.8	16.90	139.0	17.31	142.9	17.65
		557.0	101.3	9.91	109.7	11.75	119.6	13.70	129.9	15.41	133.8	15.82	139.0	16.22	142.9	16.50
		696.3	101.3	9.63	109.7	11.52	119.6	13.41	129.9	15.13	133.8	15.53	139.0	15.93	142.9	16.05
		835.5	101.3	9.48	109.7	11.40	119.6	13.26	129.9	14.98	133.8	15.38	139.0	15.79	142.9	15.81
	25	222.8	101.3	13.45	109.7	15.62	119.6	18.17	129.9	20.43	133.8	20.98	139.0	21.49	142.9	21.84
		278.5	101.3	13.18	109.7	15.36	119.6	17.88	129.9	20.11	133.8	20.63	139.0	21.15	142.9	21.49
		557.0	101.3	12.09	109.7	14.33	119.6	16.73	129.9	18.85	133.8	19.25	139.0	19.77	142.9	20.11
		696.3	101.3	11.75	109.7	14.04	119.6	16.39	129.9	18.45	133.8	18.91	139.0	19.43	142.9	19.60
		835.5	101.3	11.57	109.7	13.89	119.6	16.22	129.9	18.25	133.8	18.74	139.0	19.25	142.9	19.34
	30	222.8	101.3	16.48	109.7	19.16	119.6	22.37	129.9	25.16	133.8	25.73	139.0	26.38	142.9	26.91
		278.5	101.3	16.16	109.7	18.85	119.6	22.00	129.9	24.76	133.8	25.33	139.0	25.96	142.9	26.47
		557.0	101.3	14.90	109.7	17.65	119.6	20.57	129.9	23.15	133.8	23.72	139.0	24.30	142.9	24.76
		696.3	101.3	14.50	109.7	17.25	119.6	20.11	129.9	22.69	133.8	23.27	139.0	23.84	142.9	24.12
		835.5	101.3	14.30	109.7	17.05	119.6	19.88	129.9	22.46	133.8	23.03	139.0	23.61	142.9	23.81
	35	222.8	101.3	18.36	109.7	21.32	119.6	24.80	129.9	27.95	133.8	28.66	139.0	29.36	142.9	29.87
		278.5	101.3	17.99	109.7	20.97	119.6	24.41	129.9	27.51	133.8	28.19	139.0	28.88	142.9	29.40
		557.0	101.3	16.56	109.7	19.60	119.6	22.86	129.9	25.73	133.8	26.36	139.0	26.99	142.9	27.51
		696.3	101.3	16.10	109.7	19.20	119.6	22.41	129.9	25.21	133.8	25.84	139.0	26.53	142.9	26.76
		835.5	101.3	15.87	109.7	18.99	119.6	22.17	129.9	24.95	133.8	25.58	139.0	26.30	142.9	26.39
	40	222.8	101.3	21.75	109.7	25.29	119.6	29.42	129.9	33.14	133.8	33.90	139.0	34.77	142.9	35.35
		278.5	101.3	21.32	109.7	24.87	119.6	28.94	129.9	32.61	133.8	33.35	139.0	34.21	142.9	34.78
		557.0	101.3	19.60	109.7	23.21	119.6	27.05	129.9	30.49	133.8	31.17	139.0	31.98	142.9	32.55
		696.3	101.3	19.02	109.7	22.75	119.6	26.47	129.9	29.86	133.8	30.60	139.0	31.40	142.9	31.69
		835.5	101.3	18.74	109.7	22.52	119.6	26.19	129.9	29.54	133.8	30.31	139.0	31.11	142.9	31.26
	45	222.8	101.3	25.15	109.7	29.26	119.6	34.03	129.9	38.33	133.8	39.14	139.0	40.19	142.9	40.82
		278.5	101.3	24.64	109.7	28.77	119.6	33.47	129.9	37.71	133.8	38.51	139.0	39.54	142.9	40.17
		557.0	101.3	22.63	109.7	26.82	119.6	31.23	129.9	35.24	133.8	35.99	139.0	36.96	142.9	37.59
		696.3	101.3	21.95	109.7	26.30	119.6	30.54	129.9	34.50	133.8	35.36	139.0	36.27	142.9	36.62
		835.5	101.3	21.60	109.7	26.04	119.6	30.20	129.9	34.12	133.8	35.04	139.0	35.93	142.9	36.13
70	10	222.8	88.7	5.44	96.0	6.34	104.7	7.32	113.6	8.26	117.0	8.58	121.6	8.80	125.0	8.83
		278.5	88.7	5.34	96.0	6.22	104.7	7.21	113.6	8.15	117.0	8.44	121.6	8.66	125.0	8.70
		557.0	88.7	4.96	96.0	5.78	104.7	6.78	113.6	7.72	117.0	7.89	121.6	8.11	125.0	8.22
		696.3	88.7	4.86	96.0	5.67	104.7	6.67	113.6	7.49	117.0	7.66	121.6	7.88	125.0	7.99
		835.5	88.7	4.80	96.0	5.62	104.7	6.61	113.6	7.38	117.0	7.54	121.6	7.76	125.0	7.88
	15	222.8	88.7	7.42	96.0	8.63	104.7	10.02	113.6	11.29	117.0	11.59	121.6	11.88	125.0	12.05
		278.5	88.7	7.28	96.0	8.48	104.7	9.86	113.6	11.12	117.0	11.40	121.6	11.69	125.0	11.86
		557.0	88.7	6.70	96.0	7.91	104.7	9.23	113.6	10.43	117.0	10.66	121.6	10.94	125.0	11.12
		696.3	88.7	6.53	96.0	7.74	104.7	9.05	113.6	10.20	117.0	10.43	121.6	10.72	125.0	10.83
		835.5	88.7	6.45	96.0	7.65	104.7	8.97	113.6	10.08	117.0	10.31	121.6	10.60	125.0	10.69
	20	222.8	88.7	9.18	96.0	10.66	104.7	12.41	113.6	13.98	117.0	14.27	121.6	14.61	125.0	14.92
		278.5	88.7	9.00	96.0	10.49	104.7	12.21	113.6	13.75	117.0	14.04	121.6	14.38	125.0	14.67
		557.0	88.7	8.25	96.0	9.80	104.7	11.40	113.6	12.84	117.0	13.12	121.6	13.47	125.0	13.70
		696.3	88.7	8.02	96.0	9.57	104.7	11.17	113.6	12.61	117.0	12.89	121.6	13.24	125.0	13.35
		835.5	88.7	7.91	96.0	9.45	104.7	11.06	113.6	12.49	117.0	12.78	121.6	13.12	125.0	13.18
	25	222.8	88.7	11.16	96.0	13.00	104.7	15.07	113.6	17.01	117.0	17.41	121.6	17.81	125.0	18.17
		278.5	88.7	10.94	96.0	12.78	104.7	14.84	113.6	16.73	117.0	17.13	121.6	17.53	125.0	17.88
		557.0	88.7	10.09	96.0	11.92	104.7	13.92	113.6	15.64	117.0	16.05	121.6	16.45	125.0	16.73
		696.3	88.7	9.80	96.0	11.69	104.7	13.64	113.6	15.36	117.0	15.70	121.6	16.10	125.0	16.27
		835.5	88.7	9.65	96.0	11.57	104.7	13.49	113.6	15.21	117.0	15.53	121.6	15.93	125.0	16.04

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	222.8	88.7	13.74	96.0	15.96	104.7	18.58	113.6	20.90	117.0	21.44	121.6	21.95	125.0	22.37
		278.5	88.7	13.47	96.0	15.70	104.7	18.28	113.6	20.57	117.0	21.09	121.6	21.60	125.0	22.00
		557.0	88.7	12.38	96.0	14.67	104.7	17.08	113.6	19.25	117.0	19.71	121.6	20.23	125.0	20.57
		696.3	88.7	12.03	96.0	14.38	104.7	16.73	113.6	18.85	117.0	19.37	121.6	19.83	125.0	20.06
		835.5	88.7	11.86	96.0	14.24	104.7	16.56	113.6	18.65	117.0	19.20	121.6	19.62	125.0	19.80
	35	222.8	88.7	15.26	96.0	17.70	104.7	20.69	113.6	23.24	117.0	23.83	121.6	24.40	125.0	24.80
		278.5	88.7	14.96	96.0	17.42	104.7	20.34	113.6	22.86	117.0	23.44	121.6	24.01	125.0	24.41
		557.0	88.7	13.75	96.0	16.33	104.7	18.97	113.6	21.37	117.0	21.89	121.6	22.46	125.0	22.86
		696.3	88.7	13.35	96.0	15.93	104.7	18.62	113.6	20.97	117.0	21.49	121.6	22.06	125.0	22.29
		835.5	88.7	13.15	96.0	15.73	104.7	18.45	113.6	20.77	117.0	21.29	121.6	21.86	125.0	22.00
	40	222.8	88.7	18.07	96.0	20.96	104.7	24.46	113.6	27.55	117.0	28.18	121.6	28.89	125.0	29.40
		278.5	88.7	17.71	96.0	20.63	104.7	24.07	113.6	27.10	117.0	27.73	121.6	28.42	125.0	28.94
		557.0	88.7	16.27	96.0	19.31	104.7	22.52	113.6	25.33	117.0	25.96	121.6	26.59	125.0	27.10
		696.3	88.7	15.82	96.0	18.91	104.7	22.00	113.6	24.81	117.0	25.44	121.6	26.13	125.0	26.36
		835.5	88.7	15.58	96.0	18.71	104.7	21.74	113.6	24.55	117.0	25.18	121.6	25.90	125.0	25.98
	45	222.8	88.7	20.88	96.0	24.23	104.7	28.23	113.6	31.87	117.0	32.54	121.6	33.37	125.0	34.00
		278.5	88.7	20.46	96.0	23.84	104.7	27.79	113.6	31.35	117.0	32.03	121.6	32.83	125.0	33.47
		557.0	88.7	18.80	96.0	22.29	104.7	26.07	113.6	29.28	117.0	30.03	121.6	30.71	125.0	31.35
		696.3	88.7	18.28	96.0	21.89	104.7	25.39	113.6	28.65	117.0	29.40	121.6	30.20	125.0	30.43
		835.5	88.7	18.02	96.0	21.69	104.7	25.04	113.6	28.33	117.0	29.08	121.6	29.94	125.0	29.97
60	10	222.8	76.0	4.32	82.3	5.04	89.6	5.79	97.4	6.67	100.4	6.85	104.3	6.93	107.2	7.04
		278.5	76.0	4.24	82.3	4.96	89.6	5.72	97.4	6.56	100.4	6.73	104.3	6.83	107.2	6.94
		557.0	76.0	3.91	82.3	4.63	89.6	5.46	97.4	6.12	100.4	6.22	104.3	6.45	107.2	6.56
		696.3	76.0	3.74	82.3	4.58	89.6	5.35	97.4	6.01	100.4	6.12	104.3	6.28	107.2	6.40
		835.5	76.0	3.65	82.3	4.55	89.6	5.30	97.4	5.96	100.4	6.06	104.3	6.20	107.2	6.31
	15	222.8	76.0	5.90	82.3	6.88	89.6	7.97	97.4	9.03	100.4	9.27	104.3	9.43	107.2	9.60
		278.5	76.0	5.79	82.3	6.76	89.6	7.85	97.4	8.88	100.4	9.11	104.3	9.28	107.2	9.46
		557.0	76.0	5.33	82.3	6.30	89.6	7.39	97.4	8.31	100.4	8.48	104.3	8.71	107.2	8.88
		696.3	76.0	5.16	82.3	6.19	89.6	7.22	97.4	8.14	100.4	8.31	104.3	8.54	107.2	8.65
		835.5	76.0	5.07	82.3	6.13	89.6	7.13	97.4	8.05	100.4	8.22	104.3	8.45	107.2	8.54
	20	222.8	76.0	7.31	82.3	8.51	89.6	9.90	97.4	11.12	100.4	11.42	104.3	11.65	107.2	11.88
		278.5	76.0	7.16	82.3	8.37	89.6	9.74	97.4	10.94	100.4	11.23	104.3	11.46	107.2	11.69
		557.0	76.0	6.59	82.3	7.79	89.6	9.11	97.4	10.26	100.4	10.49	104.3	10.72	107.2	10.94
		696.3	76.0	6.42	82.3	7.62	89.6	8.88	97.4	10.03	100.4	10.26	104.3	10.54	107.2	10.66
		835.5	76.0	6.33	82.3	7.53	89.6	8.77	97.4	9.91	100.4	10.14	104.3	10.46	107.2	10.51
	25	222.8	76.0	8.88	82.3	10.37	89.6	12.06	97.4	13.57	100.4	13.86	104.3	14.20	107.2	14.50
		278.5	76.0	8.71	82.3	10.20	89.6	11.86	97.4	13.35	100.4	13.64	104.3	13.98	107.2	14.27
		557.0	76.0	8.02	82.3	9.51	89.6	11.06	97.4	12.49	100.4	12.78	104.3	13.12	107.2	13.35
		696.3	76.0	7.79	82.3	9.28	89.6	10.83	97.4	12.21	100.4	12.55	104.3	12.84	107.2	13.01
		835.5	76.0	7.68	82.3	9.17	89.6	10.71	97.4	12.06	100.4	12.43	104.3	12.69	107.2	12.83
	30	222.8	76.0	10.93	82.3	12.69	89.6	14.79	97.4	16.65	100.4	17.06	104.3	17.47	107.2	17.82
		278.5	76.0	10.72	82.3	12.49	89.6	14.56	97.4	16.39	100.4	16.79	104.3	17.19	107.2	17.53
		557.0	76.0	9.86	82.3	11.69	89.6	13.64	97.4	15.36	100.4	15.70	104.3	16.10	107.2	16.39
		696.3	76.0	9.57	82.3	11.46	89.6	13.35	97.4	15.07	100.4	15.41	104.3	15.82	107.2	15.99
		835.5	76.0	9.43	82.3	11.35	89.6	13.21	97.4	14.93	100.4	15.27	104.3	15.67	107.2	15.79
	35	222.8	76.0	12.17	82.3	14.16	89.6	16.49	97.4	18.51	100.4	18.98	104.3	19.46	107.2	19.80
		278.5	76.0	11.92	82.3	13.92	89.6	16.22	97.4	18.22	100.4	18.68	104.3	19.14	107.2	19.48
		557.0	76.0	10.94	82.3	13.01	89.6	15.13	97.4	17.08	100.4	17.48	104.3	17.88	107.2	18.22
		696.3	76.0	10.66	82.3	12.72	89.6	14.84	97.4	16.73	100.4	17.13	104.3	17.59	107.2	17.76
		835.5	76.0	10.51	82.3	12.58	89.6	14.70	97.4	16.56	100.4	16.96	104.3	17.45	107.2	17.53
	40	222.8	76.0	14.37	82.3	16.71	89.6	19.52	97.4	21.97	100.4	22.48	104.3	23.00	107.2	23.47
		278.5	76.0	14.10	82.3	16.45	89.6	19.20	97.4	21.60	100.4	22.12	104.3	22.63	107.2	23.09
		557.0	76.0	13.01	82.3	15.41	89.6	17.94	97.4	20.17	100.4	20.69	104.3	21.20	107.2	21.60
		696.3	76.0	12.61	82.3	15.07	89.6	17.59	97.4	19.77	100.4	20.29	104.3	20.80	107.2	21.03
		835.5	76.0	12.40	82.3	14.90	89.6	17.42	97.4	19.57	100.4	20.08	104.3	20.60	107.2	20.74
	45	222.8	76.0	16.58	82.3	19.26	89.6	22.54	97.4	25.42	100.4	25.98	104.3	26.54	107.2	27.14
		278.5	76.0	16.27	82.3	18.97	89.6	22.18	97.4	24.98	100.4	25.56	104.3	26.13	107.2	26.70
		557.0	76.0	15.07	82.3	17.82	89.6	20.74	97.4	23.27	100.4	23.90	104.3	24.53	107.2	24.98
		696.3	76.0	14.56	82.3	17.42	89.6	20.34	97.4	22.81	100.4	23.44	104.3	24.01	107.2	24.30
		835.5	76.0	14.30	82.3	17.22	89.6	20.14	97.4	22.58	100.4	23.21	104.3	23.75	107.2	23.95
50	10	222.8	63.3	3.21	68.6	3.74	74.7	4.50	81.3	4.92	83.7	5.01	86.9	5.23	89.2	5.26
		278.5	63.3	3.14	68.6	3.69	74.7	4.42	81.3	4.85	83.7	4.96	86.9	5.13	89.2	5.18
		557.0	63.3	2.86	68.6	3.47	74.7	4.08	81.3	4.58	83.7	4.75	86.9	4.73	89.2	4.85
		696.3	63.3	2.81	68.6	3.48	74.7	3.97	81.3	4.46	83.7	4.51	86.9	4.68	89.2	4.68
		835.5	63.3	2.78	68.6	3.48	74.7	3.91	81.3	4.40	83.7	4.39	86.9	4.66	89.2	4.59

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	222.8	63.3	4.38	68.6	5.13	74.7	6.00	81.3	6.69	83.7	6.86	86.9	7.05	89.2	7.16
		278.5	63.3	4.30	68.6	5.04	74.7	5.90	81.3	6.59	83.7	6.76	86.9	6.93	89.2	7.05
		557.0	63.3	3.95	68.6	4.70	74.7	5.50	81.3	6.19	83.7	6.36	86.9	6.48	89.2	6.59
		696.3	63.3	3.84	68.6	4.64	74.7	5.39	81.3	6.07	83.7	6.19	86.9	6.36	89.2	6.42
		835.5	63.3	3.78	68.6	4.61	74.7	5.33	81.3	6.02	83.7	6.10	86.9	6.30	89.2	6.33
	20	222.8	63.3	5.43	68.6	6.36	74.7	7.34	81.3	8.27	83.7	8.51	86.9	8.67	89.2	8.85
		278.5	63.3	5.33	68.6	6.25	74.7	7.22	81.3	8.14	83.7	8.37	86.9	8.54	89.2	8.71
		557.0	63.3	4.93	68.6	5.79	74.7	6.76	81.3	7.62	83.7	7.79	86.9	8.02	89.2	8.14
		696.3	63.3	4.76	68.6	5.67	74.7	6.65	81.3	7.51	83.7	7.68	86.9	7.85	89.2	7.97
		835.5	63.3	4.67	68.6	5.62	74.7	6.59	81.3	7.45	83.7	7.62	86.9	7.76	89.2	7.88
	25	222.8	63.3	6.61	68.6	7.68	74.7	8.97	81.3	10.14	83.7	10.37	86.9	10.60	89.2	10.76
		278.5	63.3	6.48	68.6	7.56	74.7	8.82	81.3	9.97	83.7	10.20	86.9	10.43	89.2	10.60
		557.0	63.3	5.96	68.6	7.11	74.7	8.25	81.3	9.28	83.7	9.51	86.9	9.74	89.2	9.97
		696.3	63.3	5.79	68.6	6.93	74.7	8.08	81.3	9.11	83.7	9.34	86.9	9.57	89.2	9.68
		835.5	63.3	5.70	68.6	6.85	74.7	7.99	81.3	9.02	83.7	9.25	86.9	9.48	89.2	9.54
	30	222.8	63.3	8.20	68.6	9.50	74.7	11.08	81.3	12.47	83.7	12.77	86.9	13.04	89.2	13.28
		278.5	63.3	8.02	68.6	9.34	74.7	10.89	81.3	12.26	83.7	12.55	86.9	12.84	89.2	13.07
		557.0	63.3	7.33	68.6	8.71	74.7	10.14	81.3	11.46	83.7	11.69	86.9	12.03	89.2	12.21
		696.3	63.3	7.16	68.6	8.54	74.7	9.97	81.3	11.23	83.7	11.52	86.9	11.80	89.2	11.92
		835.5	63.3	7.08	68.6	8.45	74.7	9.88	81.3	11.12	83.7	11.43	86.9	11.69	89.2	11.77
	35	222.8	63.3	9.06	68.6	10.55	74.7	12.29	81.3	13.80	83.7	14.16	86.9	14.50	89.2	14.73
		278.5	63.3	8.88	68.6	10.37	74.7	12.09	81.3	13.58	83.7	13.92	86.9	14.27	89.2	14.50
		557.0	63.3	8.19	68.6	9.68	74.7	11.29	81.3	12.72	83.7	13.01	86.9	13.35	89.2	13.58
		696.3	63.3	7.97	68.6	9.51	74.7	11.06	81.3	12.49	83.7	12.78	86.9	13.12	89.2	13.24
		835.5	63.3	7.85	68.6	9.43	74.7	10.94	81.3	12.38	83.7	12.66	86.9	13.01	89.2	13.06
	40	222.8	63.3	10.76	68.6	12.47	74.7	14.57	81.3	16.36	83.7	16.78	86.9	17.18	89.2	17.47
		278.5	63.3	10.54	68.6	12.26	74.7	14.33	81.3	16.10	83.7	16.50	86.9	16.90	89.2	17.19
		557.0	63.3	9.68	68.6	11.46	74.7	13.35	81.3	15.07	83.7	15.41	86.9	15.82	89.2	16.10
		696.3	63.3	9.40	68.6	11.23	74.7	13.12	81.3	14.78	83.7	15.13	86.9	15.53	89.2	15.64
		835.5	63.3	9.25	68.6	11.12	74.7	13.01	81.3	14.64	83.7	14.98	86.9	15.38	89.2	15.41
	45	222.8	63.3	12.47	68.6	14.39	74.7	16.85	81.3	18.93	83.7	19.40	86.9	19.86	89.2	20.20
		278.5	63.3	12.21	68.6	14.15	74.7	16.56	81.3	18.62	83.7	19.08	86.9	19.54	89.2	19.88
		557.0	63.3	11.17	68.6	13.24	74.7	15.41	81.3	17.42	83.7	17.82	86.9	18.28	89.2	18.62
		696.3	63.3	10.83	68.6	12.95	74.7	15.19	81.3	17.08	83.7	17.48	86.9	17.94	89.2	18.05
		835.5	63.3	10.66	68.6	12.81	74.7	15.07	81.3	16.90	83.7	17.30	86.9	17.76	89.2	17.76

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(60HP)

ARWN600LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	230.4	156.2	11.27	169.2	13.23	184.1	15.40	200.1	17.27	206.2	17.65	214.3	18.24	220.2	18.49
		288.0	156.2	11.07	169.2	12.99	184.1	15.14	200.1	16.99	206.2	17.39	214.3	17.93	220.2	18.21
		576.0	156.2	10.27	169.2	12.05	184.1	14.09	200.1	15.89	206.2	16.36	214.3	16.70	220.2	17.11
		720.0	156.2	9.98	169.2	11.89	184.1	13.86	200.1	15.53	206.2	16.01	214.3	16.41	220.2	16.64
		864.0	156.2	9.83	169.2	11.80	184.1	13.75	200.1	15.35	206.2	15.83	214.3	16.27	220.2	16.40
	15	230.4	153.6	14.87	166.4	17.33	181.1	20.19	196.9	22.68	202.9	23.22	210.7	23.84	216.7	24.24
		288.0	153.6	14.58	166.4	17.04	181.1	19.86	196.9	22.32	202.9	22.86	210.7	23.46	216.7	23.88
		576.0	153.6	13.44	166.4	15.90	181.1	18.54	196.9	20.88	202.9	21.42	210.7	21.96	216.7	22.44
		720.0	153.6	13.08	166.4	15.60	181.1	18.18	196.9	20.46	202.9	21.00	210.7	21.54	216.7	21.90
		864.0	153.6	12.90	166.4	15.45	181.1	18.00	196.9	20.25	202.9	20.79	210.7	21.33	216.7	21.63
	20	230.4	151.4	18.06	164.0	20.97	178.5	24.45	194.1	27.50	199.9	28.17	207.6	28.82	213.5	29.36
		288.0	151.4	17.70	164.0	20.64	178.5	24.06	194.1	27.06	199.9	27.72	207.6	28.38	213.5	28.92
		576.0	151.4	16.26	164.0	19.32	178.5	22.50	194.1	25.32	199.9	25.92	207.6	26.64	213.5	27.18
		720.0	151.4	15.84	164.0	18.90	178.5	22.02	194.1	24.84	199.9	25.44	207.6	26.10	213.5	26.58
		864.0	151.4	15.63	164.0	18.69	178.5	21.78	194.1	24.60	199.9	25.20	207.6	25.83	213.5	26.28
	25	230.4	151.4	22.28	164.0	25.85	178.5	30.12	194.1	33.98	199.9	34.76	207.6	35.59	213.5	36.19
		288.0	151.4	21.84	164.0	25.44	178.5	29.64	194.1	33.42	199.9	34.20	207.6	35.04	213.5	35.64
		576.0	151.4	20.10	164.0	23.82	178.5	27.72	194.1	31.20	199.9	31.98	207.6	32.88	213.5	33.48
		720.0	151.4	19.50	164.0	23.28	178.5	27.18	194.1	30.60	199.9	31.38	207.6	32.22	213.5	32.76
		864.0	151.4	19.20	164.0	23.01	178.5	26.91	194.1	30.30	199.9	31.08	207.6	31.89	213.5	32.40
	30	230.4	151.4	26.77	164.0	31.04	178.5	36.16	194.1	40.75	199.9	41.71	207.6	42.73	213.5	43.43
		288.0	151.4	26.22	164.0	30.54	178.5	35.58	194.1	40.08	199.9	41.04	207.6	42.06	213.5	42.78
		576.0	151.4	24.06	164.0	28.56	178.5	33.30	194.1	37.44	199.9	38.40	207.6	39.42	213.5	40.20
		720.0	151.4	23.40	164.0	27.96	178.5	32.58	194.1	36.72	199.9	37.68	207.6	38.64	213.5	39.30
		864.0	151.4	23.07	164.0	27.66	178.5	32.22	194.1	36.36	199.9	37.32	207.6	38.25	213.5	38.85
	35	230.4	136.3	26.99	147.5	31.42	160.6	36.59	174.7	41.15	179.9	42.20	186.9	43.22	192.2	43.91
		288.0	136.3	26.46	147.5	30.90	160.6	36.00	174.7	40.50	179.9	41.52	186.9	42.54	192.2	43.26
		576.0	136.3	24.36	147.5	28.86	160.6	33.66	174.7	37.92	179.9	38.82	186.9	39.84	192.2	40.68
		720.0	136.3	23.70	147.5	28.26	160.6	32.94	174.7	37.14	179.9	38.10	186.9	39.06	192.2	39.72
		864.0	136.3	23.37	147.5	27.96	160.6	32.58	174.7	36.75	179.9	37.74	186.9	38.67	192.2	39.24
	40	230.4	121.1	28.54	131.2	33.11	142.8	38.60	155.2	43.42	159.9	44.44	166.1	45.52	170.8	46.36
		288.0	121.1	27.96	131.2	32.58	142.8	37.98	155.2	42.72	159.9	43.74	166.1	44.82	170.8	45.66
		576.0	121.1	25.68	131.2	30.48	142.8	35.52	155.2	39.96	159.9	40.98	166.1	42.06	170.8	42.90
		720.0	121.1	24.96	131.2	29.82	142.8	34.74	155.2	39.18	159.9	40.20	166.1	41.22	170.8	41.94
		864.0	121.1	24.60	131.2	29.49	142.8	34.35	155.2	38.79	159.9	39.81	166.1	40.80	170.8	41.46
	45	230.4	105.8	30.08	114.9	34.81	124.9	40.61	135.8	45.68	140.0	46.67	145.2	47.81	149.4	48.80
		288.0	105.8	29.46	114.9	34.26	124.9	39.96	135.8	44.94	140.0	45.96	145.2	47.10	149.4	48.06
		576.0	105.8	27.00	114.9	32.10	124.9	37.38	135.8	42.00	140.0	43.14	145.2	44.28	149.4	45.12
		720.0	105.8	26.22	114.9	31.38	124.9	36.54	135.8	41.22	140.0	42.30	145.2	43.38	149.4	44.16
		864.0	105.8	25.83	114.9	31.02	124.9	36.12	135.8	40.83	140.0	41.88	145.2	42.93	149.4	43.68
120	10	230.4	147.9	10.76	160.0	12.54	174.4	14.52	189.4	16.36	195.0	16.86	202.8	17.27	208.4	17.46
		288.0	147.9	10.54	160.0	12.34	174.4	14.30	189.4	16.10	195.0	16.57	202.8	16.97	208.4	17.20
		576.0	147.9	9.67	160.0	11.53	174.4	13.44	189.4	15.05	195.0	15.40	202.8	15.80	208.4	16.16
		720.0	147.9	9.38	160.0	11.17	174.4	13.15	189.4	14.70	195.0	15.17	202.8	15.52	208.4	15.81
		864.0	147.9	9.23	160.0	10.99	174.4	13.00	189.4	14.52	195.0	15.06	202.8	15.37	208.4	15.64
	15	230.4	146.1	14.27	158.2	16.59	172.4	19.26	187.3	21.71	192.9	22.26	200.4	22.80	206.0	23.15
		288.0	146.1	13.98	158.2	16.32	172.4	18.96	187.3	21.36	192.9	21.90	200.4	22.44	206.0	22.80
		576.0	146.1	12.84	158.2	15.24	172.4	17.76	187.3	19.98	192.9	20.46	200.4	21.00	206.0	21.42
		720.0	146.1	12.48	158.2	14.88	172.4	17.40	187.3	19.56	192.9	20.10	200.4	20.58	206.0	20.94
		864.0	146.1	12.30	158.2	14.70	172.4	17.22	187.3	19.35	192.9	19.92	200.4	20.37	206.0	20.70
	20	230.4	144.5	17.39	156.6	20.19	170.6	23.48	185.3	26.46	190.9	27.06	198.3	27.72	203.9	28.20
		288.0	144.5	17.04	156.6	19.86	170.6	23.10	185.3	26.04	190.9	26.64	198.3	27.30	203.9	27.78
		576.0	144.5	15.66	156.6	18.54	170.6	21.60	185.3	24.36	190.9	24.96	198.3	25.62	203.9	26.10
		720.0	144.5	15.24	156.6	18.18	170.6	21.18	185.3	23.88	190.9	24.48	198.3	25.08	203.9	25.50
		864.0	144.5	15.03	156.6	18.00	170.6	20.97	185.3	23.64	190.9	24.24	198.3	24.81	203.9	25.20
	25	230.4	144.5	21.36	156.6	24.83	170.6	28.91	185.3	32.50	190.9	33.29	198.3	34.15	203.9	34.73
		288.0	144.5	20.94	156.6	24.42	170.6	28.44	185.3	31.98	190.9	32.76	198.3	33.60	203.9	34.20
		576.0	144.5	19.26	156.6	22.80	170.6	26.58	185.3	29.94	190.9	30.66	198.3	31.44	203.9	32.10
		720.0	144.5	18.72	156.6	22.32	170.6	26.04	185.3	29.34	190.9	30.06	198.3	30.84	203.9	31.32
		864.0	144.5	18.45	156.6	22.08	170.6	25.77	185.3	29.04	190.9	29.76	198.3	30.54	203.9	30.93
	30	230.4	144.5	25.76	156.6	30.00	170.6	34.96	185.3	39.34	190.9	40.24	198.3	41.27	203.9	41.99
		288.0	144.5	25.26	156.6	29.52	170.6	34.38	185.3	38.70	190.9	39.60	198.3	40.62	203.9	41.34
		576.0	144.5	23.28	156.6	27.60	170.6	32.10	185.3	36.18	190.9	37.08	198.3	38.04	203.9	38.76
		720.0	144.5	22.62	156.6	27.00	170.6	31.44	185.3	35.46	190.9	36.36	198.3	37.32	203.9	37.86
		864.0	144.5	22.29	156.6	26.70	170.6	31.11	185.3	35.10	190.9	36.00	198.3	36.96	203.9	37.41

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	230.4	132.3	26.45	143.3	30.74	156.1	35.80	169.6	40.31	174.7	41.29	181.5	42.23	186.6	43.03
		288.0	132.3	25.92	143.3	30.24	156.1	35.22	169.6	39.66	174.7	40.62	181.5	41.58	186.6	42.36
		576.0	132.3	23.82	143.3	28.26	156.1	32.94	169.6	37.08	174.7	37.98	181.5	39.00	186.6	39.72
		720.0	132.3	23.16	143.3	27.66	156.1	32.28	169.6	36.36	174.7	37.26	181.5	38.22	186.6	38.82
		864.0	132.3	22.83	143.3	27.36	156.1	31.95	169.6	36.00	174.7	36.90	181.5	37.83	186.6	38.37
	40	230.4	120.0	28.46	130.0	33.05	141.5	38.54	154.0	43.36	158.5	44.39	164.7	45.47	169.2	46.31
		288.0	120.0	27.90	130.0	32.52	141.5	37.92	154.0	42.66	158.5	43.68	164.7	44.76	169.2	45.60
		576.0	120.0	25.68	130.0	30.42	141.5	35.46	154.0	39.90	158.5	40.86	164.7	41.94	169.2	42.78
		720.0	120.0	24.96	130.0	29.76	141.5	34.74	154.0	39.12	158.5	40.14	164.7	41.16	169.2	41.76
		864.0	120.0	24.60	130.0	29.43	141.5	34.38	154.0	38.73	158.5	39.78	164.7	40.77	169.2	41.25
	45	230.4	107.7	30.47	116.7	35.36	127.0	41.29	138.4	46.40	142.4	47.50	147.9	48.71	151.9	49.60
		288.0	107.7	29.88	116.7	34.80	127.0	40.62	138.4	45.66	142.4	46.74	147.9	47.94	151.9	48.84
		576.0	107.7	27.54	116.7	32.58	127.0	37.98	138.4	42.72	142.4	43.74	147.9	44.88	151.9	45.84
		720.0	107.7	26.76	116.7	31.86	127.0	37.20	138.4	41.88	142.4	43.02	147.9	44.10	151.9	44.70
		864.0	107.7	26.37	116.7	31.50	127.0	36.81	138.4	41.46	142.4	42.66	147.9	43.71	151.9	44.13
110	10	230.4	139.4	10.15	151.1	11.75	164.4	13.76	178.6	15.45	183.9	15.78	191.3	16.28	196.3	16.51
		288.0	139.4	9.95	151.1	11.56	164.4	13.53	178.6	15.20	183.9	15.55	191.3	16.02	196.3	16.25
		576.0	139.4	9.14	151.1	10.81	164.4	12.60	178.6	14.22	183.9	14.63	191.3	14.98	196.3	15.20
		720.0	139.4	8.90	151.1	10.58	164.4	12.31	178.6	14.00	183.9	14.21	191.3	14.69	196.3	14.86
		864.0	139.4	8.79	151.1	10.46	164.4	12.16	178.6	13.88	183.9	14.00	191.3	14.54	196.3	14.68
	15	230.4	138.6	13.59	150.1	15.80	163.4	18.42	177.6	20.73	182.9	21.21	190.1	21.77	195.3	22.13
		288.0	138.6	13.32	150.1	15.54	163.4	18.12	177.6	20.40	182.9	20.88	190.1	21.42	195.3	21.78
		576.0	138.6	12.24	150.1	14.52	163.4	16.92	177.6	19.08	182.9	19.56	190.1	20.04	195.3	20.40
		720.0	138.6	11.94	150.1	14.22	163.4	16.56	177.6	18.72	182.9	19.14	190.1	19.68	195.3	19.92
		864.0	138.6	11.79	150.1	14.07	163.4	16.38	177.6	18.54	182.9	18.93	190.1	19.50	195.3	19.68
	20	230.4	137.9	16.65	149.3	19.40	162.6	22.56	176.8	25.43	182.0	26.04	189.0	26.64	194.5	27.12
		288.0	137.9	16.32	149.3	19.08	162.6	22.20	176.8	25.02	182.0	25.62	189.0	26.22	194.5	26.70
		576.0	137.9	15.00	149.3	17.82	162.6	20.76	176.8	23.40	182.0	23.94	189.0	24.54	194.5	25.02
		720.0	137.9	14.64	149.3	17.46	162.6	20.34	176.8	22.92	182.0	23.52	189.0	24.12	194.5	24.42
		864.0	137.9	14.46	149.3	17.28	162.6	20.13	176.8	22.68	182.0	23.31	189.0	23.91	194.5	24.12
	25	230.4	137.9	20.37	149.3	23.72	162.6	27.62	176.8	31.10	182.0	31.82	189.0	32.62	194.5	33.22
		288.0	137.9	19.98	149.3	23.34	162.6	27.18	176.8	30.60	182.0	31.32	189.0	32.10	194.5	32.70
		576.0	137.9	18.42	149.3	21.84	162.6	25.44	176.8	28.62	182.0	29.34	189.0	30.06	194.5	30.66
		720.0	137.9	17.88	149.3	21.36	162.6	24.90	176.8	28.08	182.0	28.74	189.0	29.52	194.5	29.88
		864.0	137.9	17.61	149.3	21.12	162.6	24.63	176.8	27.81	182.0	28.44	189.0	29.25	194.5	29.49
	30	230.4	137.9	24.84	149.3	28.91	162.6	33.67	176.8	37.94	182.0	38.84	189.0	39.74	194.5	40.48
		288.0	137.9	24.36	149.3	28.44	162.6	33.12	176.8	37.32	182.0	38.22	189.0	39.12	194.5	39.84
		576.0	137.9	22.44	149.3	26.58	162.6	30.96	176.8	34.86	182.0	35.76	189.0	36.66	194.5	37.32
		720.0	137.9	21.84	149.3	26.04	162.6	30.36	176.8	34.20	182.0	35.04	189.0	35.94	194.5	36.42
		864.0	137.9	21.54	149.3	25.77	162.6	30.06	176.8	33.87	182.0	34.68	189.0	35.58	194.5	35.97
	35	230.4	128.4	25.90	139.1	30.06	151.5	35.00	164.7	39.46	169.6	40.37	176.2	41.33	181.1	42.13
		288.0	128.4	25.38	139.1	29.58	151.5	34.44	164.7	38.82	169.6	39.72	176.2	40.68	181.1	41.46
		576.0	128.4	23.34	139.1	27.66	151.5	32.22	164.7	36.30	169.6	37.14	176.2	38.10	181.1	38.82
		720.0	128.4	22.68	139.1	27.06	151.5	31.56	164.7	35.58	169.6	36.48	176.2	37.38	181.1	37.86
		864.0	128.4	22.35	139.1	26.76	151.5	31.23	164.7	35.22	169.6	36.15	176.2	37.02	181.1	37.38
	40	230.4	118.9	28.40	128.9	33.07	140.3	38.48	152.6	43.30	157.1	44.33	163.3	45.41	167.8	46.27
		288.0	118.9	27.84	128.9	32.52	140.3	37.86	152.6	42.60	157.1	43.62	163.3	44.70	167.8	45.54
		576.0	118.9	25.62	128.9	30.36	140.3	35.40	152.6	39.84	157.1	40.80	163.3	41.88	167.8	42.66
		720.0	118.9	24.90	128.9	29.70	140.3	34.68	152.6	39.06	157.1	40.08	163.3	41.10	167.8	41.58
		864.0	118.9	24.54	128.9	29.37	140.3	34.32	152.6	38.67	157.1	39.72	163.3	40.71	167.8	41.04
	45	230.4	109.5	30.91	118.8	36.07	129.1	41.96	140.5	47.14	144.7	48.29	150.3	49.49	154.5	50.41
		288.0	109.5	30.30	118.8	35.46	129.1	41.28	140.5	46.38	144.7	47.52	150.3	48.72	154.5	49.62
		576.0	109.5	27.90	118.8	33.06	129.1	38.58	140.5	43.38	144.7	44.46	150.3	45.66	154.5	46.50
		720.0	109.5	27.12	118.8	32.34	129.1	37.80	140.5	42.54	144.7	43.68	150.3	44.82	154.5	45.30
		864.0	109.5	26.73	118.8	31.98	129.1	37.41	140.5	42.12	144.7	43.29	150.3	44.40	154.5	44.70
100	10	230.4	131.0	9.60	141.9	11.16	154.5	12.82	168.0	14.61	173.1	14.81	179.7	15.32	184.8	15.61
		288.0	131.0	9.41	141.9	10.97	154.5	12.63	168.0	14.38	173.1	14.60	179.7	15.07	184.8	15.36
		576.0	131.0	8.66	141.9	10.22	154.5	11.89	168.0	13.46	173.1	13.74	179.7	14.09	184.8	14.38
		720.0	131.0	8.37	141.9	9.98	154.5	11.60	168.0	13.16	173.1	13.45	179.7	13.79	184.8	13.91
		864.0	131.0	8.22	141.9	9.87	154.5	11.45	168.0	13.02	173.1	13.30	179.7	13.65	184.8	13.67
	15	230.4	131.0	12.98	141.9	15.06	154.5	17.49	168.0	19.76	173.1	20.18	179.7	20.73	184.8	21.09
		288.0	131.0	12.72	141.9	14.82	154.5	17.22	168.0	19.44	173.1	19.86	179.7	20.40	184.8	20.76
		576.0	131.0	11.70	141.9	13.86	154.5	16.14	168.0	18.18	173.1	18.60	179.7	19.08	184.8	19.44
		720.0	131.0	11.34	141.9	13.56	154.5	15.78	168.0	17.82	173.1	18.24	179.7	18.72	184.8	18.90
		864.0	131.0	11.16	141.9	13.41	154.5	15.60	168.0	17.64	173.1	18.06	179.7	18.54	184.8	18.63

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	230.4	131.0	15.98	141.9	18.53	154.5	21.65	168.0	24.33	173.1	24.95	179.7	25.55	184.8	25.97
		288.0	131.0	15.66	141.9	18.24	154.5	21.30	168.0	23.94	173.1	24.54	179.7	25.14	184.8	25.56
		576.0	131.0	14.40	141.9	17.10	154.5	19.92	168.0	22.38	173.1	22.92	179.7	23.52	184.8	23.94
		720.0	131.0	13.98	141.9	16.74	154.5	19.50	168.0	21.96	173.1	22.50	179.7	23.10	184.8	23.34
		864.0	131.0	13.77	141.9	16.56	154.5	19.29	168.0	21.75	173.1	22.29	179.7	22.89	184.8	23.04
	25	230.4	131.0	19.46	141.9	22.62	154.5	26.34	168.0	29.70	173.1	30.44	179.7	31.16	184.8	31.70
		288.0	131.0	19.08	141.9	22.26	154.5	25.92	168.0	29.22	173.1	29.94	179.7	30.66	184.8	31.20
		576.0	131.0	17.58	141.9	20.82	154.5	24.24	168.0	27.30	173.1	27.96	179.7	28.68	184.8	29.22
		720.0	131.0	17.10	141.9	20.40	154.5	23.76	168.0	26.76	173.1	27.42	179.7	28.14	184.8	28.44
		864.0	131.0	16.86	141.9	20.19	154.5	23.52	168.0	26.49	173.1	27.15	179.7	27.87	184.8	28.05
	30	230.4	131.0	23.93	141.9	27.87	154.5	32.45	168.0	36.53	173.1	37.39	179.7	38.29	184.8	39.02
		288.0	131.0	23.46	141.9	27.42	154.5	31.92	168.0	35.94	173.1	36.78	179.7	37.68	184.8	38.40
		576.0	131.0	21.60	141.9	25.62	154.5	29.82	168.0	33.60	173.1	34.38	179.7	35.28	184.8	35.94
		720.0	131.0	21.00	141.9	25.08	154.5	29.22	168.0	32.94	173.1	33.78	179.7	34.62	184.8	34.98
		864.0	131.0	20.70	141.9	24.81	154.5	28.92	168.0	32.61	173.1	33.48	179.7	34.29	184.8	34.50
	35	230.4	124.6	25.28	134.9	29.39	146.8	34.21	159.6	38.54	164.3	39.46	170.8	40.42	175.5	41.15
		288.0	124.6	24.78	134.9	28.92	146.8	33.66	159.6	37.92	164.3	38.82	170.8	39.78	175.5	40.50
		576.0	124.6	22.80	134.9	27.06	146.8	31.50	159.6	35.46	164.3	36.30	170.8	37.26	175.5	37.92
		720.0	124.6	22.20	134.9	26.46	146.8	30.84	159.6	34.80	164.3	35.64	170.8	36.54	175.5	36.90
		864.0	124.6	21.90	134.9	26.16	146.8	30.51	159.6	34.47	164.3	35.31	170.8	36.18	175.5	36.39
	40	230.4	117.9	28.42	127.7	32.99	139.1	38.42	151.2	43.24	155.7	44.27	161.9	45.37	166.2	46.15
		288.0	117.9	27.84	127.7	32.46	139.1	37.80	151.2	42.54	155.7	43.56	161.9	44.64	166.2	45.42
		576.0	117.9	25.56	127.7	30.36	139.1	35.34	151.2	39.78	155.7	40.74	161.9	41.76	166.2	42.54
		720.0	117.9	24.90	127.7	29.70	139.1	34.62	151.2	39.00	155.7	39.96	161.9	40.98	166.2	41.40
		864.0	117.9	24.57	127.7	29.37	139.1	34.26	151.2	38.61	155.7	39.57	161.9	40.59	166.2	40.83
	45	230.4	111.2	31.55	120.5	36.59	131.4	42.64	142.8	47.93	147.2	49.09	152.9	50.32	157.0	51.14
		288.0	111.2	30.90	120.5	36.00	131.4	41.94	142.8	47.16	147.2	48.30	152.9	49.50	157.0	50.34
		576.0	111.2	28.32	120.5	33.66	131.4	39.18	142.8	44.10	147.2	45.18	152.9	46.26	157.0	47.16
		720.0	111.2	27.60	120.5	32.94	131.4	38.40	142.8	43.20	147.2	44.28	152.9	45.42	157.0	45.90
		864.0	111.2	27.24	120.5	32.58	131.4	38.01	142.8	42.75	147.2	43.83	152.9	45.00	157.0	45.27
90	10	230.4	117.9	8.16	127.7	9.47	139.1	11.08	151.2	12.54	155.7	12.77	161.9	13.03	166.2	13.44
		288.0	117.9	8.02	127.7	9.35	139.1	10.91	151.2	12.35	155.7	12.58	161.9	12.86	166.2	13.22
		576.0	117.9	7.45	127.7	8.84	139.1	10.22	151.2	11.61	155.7	11.84	161.9	12.19	166.2	12.35
		720.0	117.9	7.22	127.7	8.54	139.1	10.04	151.2	11.25	155.7	11.60	161.9	11.96	166.2	11.94
		864.0	117.9	7.10	127.7	8.38	139.1	9.96	151.2	11.07	155.7	11.49	161.9	11.84	166.2	11.73
	15	230.4	117.9	11.13	127.7	12.92	139.1	15.06	151.2	17.01	155.7	17.37	161.9	17.79	166.2	18.17
		288.0	117.9	10.92	127.7	12.72	139.1	14.82	151.2	16.74	155.7	17.10	161.9	17.52	166.2	17.88
		576.0	117.9	10.08	127.7	11.94	139.1	13.86	151.2	15.66	155.7	16.02	161.9	16.44	166.2	16.74
		720.0	117.9	9.78	127.7	11.64	139.1	13.62	151.2	15.30	155.7	15.72	161.9	16.14	166.2	16.26
		864.0	117.9	9.63	127.7	11.49	139.1	13.50	151.2	15.12	155.7	15.57	161.9	15.99	166.2	16.02
	20	230.4	117.9	13.77	127.7	15.98	139.1	18.60	151.2	20.99	155.7	21.47	161.9	22.02	166.2	22.37
		288.0	117.9	13.50	127.7	15.72	139.1	18.30	151.2	20.64	155.7	21.12	161.9	21.66	166.2	22.02
		576.0	117.9	12.42	127.7	14.70	139.1	17.10	151.2	19.26	155.7	19.74	161.9	20.22	166.2	20.64
		720.0	117.9	12.06	127.7	14.40	139.1	16.80	151.2	18.90	155.7	19.38	161.9	19.86	166.2	20.10
		864.0	117.9	11.88	127.7	14.25	139.1	16.65	151.2	18.72	155.7	19.20	161.9	19.68	166.2	19.83
	25	230.4	117.9	16.77	127.7	19.52	139.1	22.68	151.2	25.55	155.7	26.16	161.9	26.82	166.2	27.32
		288.0	117.9	16.44	127.7	19.20	139.1	22.32	151.2	25.14	155.7	25.74	161.9	26.40	166.2	26.88
		576.0	117.9	15.12	127.7	17.94	139.1	20.88	151.2	23.52	155.7	24.06	161.9	24.72	166.2	25.14
		720.0	117.9	14.70	127.7	17.52	139.1	20.46	151.2	23.04	155.7	23.64	161.9	24.24	166.2	24.48
		864.0	117.9	14.49	127.7	17.31	139.1	20.25	151.2	22.80	155.7	23.43	161.9	24.00	166.2	24.15
	30	230.4	117.9	20.63	127.7	23.97	139.1	27.93	151.2	31.48	155.7	32.20	161.9	32.99	166.2	33.61
		288.0	117.9	20.22	127.7	23.58	139.1	27.48	151.2	30.96	155.7	31.68	161.9	32.46	166.2	33.06
		576.0	117.9	18.60	127.7	22.02	139.1	25.68	151.2	28.92	155.7	29.64	161.9	30.36	166.2	30.90
		720.0	117.9	18.06	127.7	21.60	139.1	25.14	151.2	28.38	155.7	29.04	161.9	29.82	166.2	30.12
		864.0	117.9	17.79	127.7	21.39	139.1	24.87	151.2	28.11	155.7	28.74	161.9	29.55	166.2	29.73
	35	230.4	114.7	22.29	124.2	25.86	135.2	30.12	147.0	33.91	151.4	34.70	157.3	35.54	161.7	36.22
		288.0	114.7	21.84	124.2	25.44	135.2	29.64	147.0	33.36	151.4	34.14	157.3	34.98	161.7	35.64
		576.0	114.7	20.04	124.2	23.76	135.2	27.72	147.0	31.20	151.4	31.92	157.3	32.76	161.7	33.36
		720.0	114.7	19.50	124.2	23.28	135.2	27.12	147.0	30.60	151.4	31.38	157.3	32.16	161.7	32.46
		864.0	114.7	19.23	124.2	23.04	135.2	26.82	147.0	30.30	151.4	31.11	157.3	31.86	161.7	32.01
	40	230.4	111.4	25.60	120.7	29.70	131.4	34.57	142.8	38.98	147.2	39.88	152.8	40.85	157.1	41.57
		288.0	111.4	25.08	120.7	29.22	131.4	34.02	142.8	38.34	147.2	39.24	152.8	40.20	157.1	40.92
		576.0	111.4	23.04	120.7	27.30	131.4	31.86	142.8	35.82	147.2	36.72	152.8	37.62	157.1	38.34
		720.0	111.4	22.38	120.7	26.76	131.4	31.20	142.8	35.16	147.2	36.00	152.8	36.96	157.1	37.32
		864.0	111.4	22.05	120.7	26.49	131.4	30.87	142.8	34.83	147.2	35.64	152.8	36.63	157.1	36.81

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	230.4	108.1	28.90	117.2	33.55	127.5	39.01	138.6	44.05	142.9	45.05	148.2	46.16	152.6	46.93
		288.0	108.1	28.32	117.2	33.00	127.5	38.40	138.6	43.32	142.9	44.34	148.2	45.42	152.6	46.20
		576.0	108.1	26.04	117.2	30.84	127.5	36.00	138.6	40.44	142.9	41.52	148.2	42.48	152.6	43.32
		720.0	108.1	25.26	117.2	30.24	127.5	35.28	138.6	39.72	142.9	40.62	148.2	41.76	152.6	42.18
		864.0	108.1	24.87	117.2	29.94	127.5	34.92	138.6	39.36	142.9	40.17	148.2	41.40	152.6	41.61
80	10	230.4	104.8	6.98	113.5	7.94	123.7	9.24	134.4	10.59	138.4	10.72	143.8	11.04	147.9	11.13
		288.0	104.8	6.82	113.5	7.85	123.7	9.11	134.4	10.40	138.4	10.56	143.8	10.85	147.9	10.96
		576.0	104.8	6.17	113.5	7.46	123.7	8.60	134.4	9.64	138.4	9.93	143.8	10.10	147.9	10.27
		720.0	104.8	6.13	113.5	7.22	123.7	8.43	134.4	9.47	138.4	9.63	143.8	9.92	147.9	10.04
		864.0	104.8	6.10	113.5	7.09	123.7	8.34	134.4	9.38	138.4	9.48	143.8	9.84	147.9	9.93
	15	230.4	104.8	9.38	113.5	10.85	123.7	12.62	134.4	14.28	138.4	14.57	143.8	14.94	147.9	15.18
		288.0	104.8	9.18	113.5	10.68	123.7	12.42	134.4	14.04	138.4	14.34	143.8	14.70	147.9	14.94
		576.0	104.8	8.40	113.5	10.02	123.7	11.64	134.4	13.08	138.4	13.44	143.8	13.74	147.9	13.98
		720.0	104.8	8.22	113.5	9.78	123.7	11.40	134.4	12.84	138.4	13.14	143.8	13.50	147.9	13.62
		864.0	104.8	8.13	113.5	9.66	123.7	11.28	134.4	12.72	138.4	12.99	143.8	13.38	147.9	13.44
	20	230.4	104.8	11.51	113.5	13.43	123.7	15.62	134.4	17.57	138.4	17.99	143.8	18.41	147.9	18.78
		288.0	104.8	11.28	113.5	13.20	123.7	15.36	134.4	17.28	138.4	17.70	143.8	18.12	147.9	18.48
		576.0	104.8	10.38	113.5	12.30	123.7	14.34	134.4	16.14	138.4	16.56	143.8	16.98	147.9	17.28
		720.0	104.8	10.08	113.5	12.06	123.7	14.04	134.4	15.84	138.4	16.26	143.8	16.68	147.9	16.80
		864.0	104.8	9.93	113.5	11.94	123.7	13.89	134.4	15.69	138.4	16.11	143.8	16.53	147.9	16.56
	25	230.4	104.8	14.09	113.5	16.35	123.7	19.02	134.4	21.39	138.4	21.96	143.8	22.50	147.9	22.86
		288.0	104.8	13.80	113.5	16.08	123.7	18.72	134.4	21.06	138.4	21.60	143.8	22.14	147.9	22.50
		576.0	104.8	12.66	113.5	15.00	123.7	17.52	134.4	19.74	138.4	20.16	143.8	20.70	147.9	21.06
		720.0	104.8	12.30	113.5	14.70	123.7	17.16	134.4	19.32	138.4	19.80	143.8	20.34	147.9	20.52
		864.0	104.8	12.12	113.5	14.55	123.7	16.98	134.4	19.11	138.4	19.62	143.8	20.16	147.9	20.25
	30	230.4	104.8	17.25	113.5	20.06	123.7	23.42	134.4	26.34	138.4	26.94	143.8	27.62	147.9	28.17
		288.0	104.8	16.92	113.5	19.74	123.7	23.04	134.4	25.92	138.4	26.52	143.8	27.18	147.9	27.72
		576.0	104.8	15.60	113.5	18.48	123.7	21.54	134.4	24.24	138.4	24.84	143.8	25.44	147.9	25.92
		720.0	104.8	15.18	113.5	18.06	123.7	21.06	134.4	23.76	138.4	24.36	143.8	24.96	147.9	25.26
		864.0	104.8	14.97	113.5	17.85	123.7	20.82	134.4	23.52	138.4	24.12	143.8	24.72	147.9	24.93
	35	230.4	104.8	19.22	113.5	22.32	123.7	25.97	134.4	29.27	138.4	30.00	143.8	30.74	147.9	31.28
		288.0	104.8	18.84	113.5	21.96	123.7	25.56	134.4	28.80	138.4	29.52	143.8	30.24	147.9	30.78
		576.0	104.8	17.34	113.5	20.52	123.7	23.94	134.4	26.94	138.4	27.60	143.8	28.26	147.9	28.80
		720.0	104.8	16.86	113.5	20.10	123.7	23.46	134.4	26.40	138.4	27.06	143.8	27.78	147.9	28.02
		864.0	104.8	16.62	113.5	19.89	123.7	23.22	134.4	26.13	138.4	26.79	143.8	27.54	147.9	27.63
	40	230.4	104.8	22.77	113.5	26.48	123.7	30.80	134.4	34.70	138.4	35.50	143.8	36.41	147.9	37.01
		288.0	104.8	22.32	113.5	26.04	123.7	30.30	134.4	34.14	138.4	34.92	143.8	35.82	147.9	36.42
		576.0	104.8	20.52	113.5	24.30	123.7	28.32	134.4	31.92	138.4	32.64	143.8	33.48	147.9	34.08
		720.0	104.8	19.92	113.5	23.82	123.7	27.72	134.4	31.26	138.4	32.04	143.8	32.88	147.9	33.18
		864.0	104.8	19.62	113.5	23.58	123.7	27.42	134.4	30.93	138.4	31.74	143.8	32.58	147.9	32.73
	45	230.4	104.8	26.33	113.5	30.64	123.7	35.63	134.4	40.13	138.4	40.99	143.8	42.08	147.9	42.74
		288.0	104.8	25.80	113.5	30.12	123.7	35.04	134.4	39.48	138.4	40.32	143.8	41.40	147.9	42.06
		576.0	104.8	23.70	113.5	28.08	123.7	32.70	134.4	36.90	138.4	37.68	143.8	38.70	147.9	39.36
		720.0	104.8	22.98	113.5	27.54	123.7	31.98	134.4	36.12	138.4	37.02	143.8	37.98	147.9	38.34
		864.0	104.8	22.62	113.5	27.27	123.7	31.62	134.4	35.73	138.4	36.69	143.8	37.62	147.9	37.83
70	10	230.4	91.8	5.70	99.3	6.63	108.3	7.67	117.5	8.65	121.1	8.98	125.8	9.21	129.3	9.24
		288.0	91.8	5.60	99.3	6.52	108.3	7.55	117.5	8.54	121.1	8.84	125.8	9.07	129.3	9.11
		576.0	91.8	5.20	99.3	6.05	108.3	7.10	117.5	8.09	121.1	8.26	125.8	8.49	129.3	8.60
		720.0	91.8	5.09	99.3	5.94	108.3	6.98	117.5	7.85	121.1	8.02	125.8	8.25	129.3	8.37
		864.0	91.8	5.03	99.3	5.88	108.3	6.93	117.5	7.72	121.1	7.90	125.8	8.13	129.3	8.25
	15	230.4	91.8	7.77	99.3	9.03	108.3	10.49	117.5	11.82	121.1	12.14	125.8	12.44	129.3	12.62
		288.0	91.8	7.62	99.3	8.88	108.3	10.32	117.5	11.64	121.1	11.94	125.8	12.24	129.3	12.42
		576.0	91.8	7.02	99.3	8.28	108.3	9.66	117.5	10.92	121.1	11.16	125.8	11.46	129.3	11.64
		720.0	91.8	6.84	99.3	8.10	108.3	9.48	117.5	10.68	121.1	10.92	125.8	11.22	129.3	11.34
		864.0	91.8	6.75	99.3	8.01	108.3	9.39	117.5	10.56	121.1	10.80	125.8	11.10	129.3	11.19
	20	230.4	91.8	9.62	99.3	11.16	108.3	12.99	117.5	14.64	121.1	14.94	125.8	15.30	129.3	15.62
		288.0	91.8	9.42	99.3	10.98	108.3	12.78	117.5	14.40	121.1	14.70	125.8	15.06	129.3	15.36
		576.0	91.8	8.64	99.3	10.26	108.3	11.94	117.5	13.44	121.1	13.74	125.8	14.10	129.3	14.34
		720.0	91.8	8.40	99.3	10.02	108.3	11.70	117.5	13.20	121.1	13.50	125.8	13.86	129.3	13.98
		864.0	91.8	8.28	99.3	9.90	108.3	11.58	117.5	13.08	121.1	13.38	125.8	13.74	129.3	13.80
	25	230.4	91.8	11.69	99.3	13.61	108.3	15.78	117.5	17.81	121.1	18.23	125.8	18.65	129.3	19.02
		288.0	91.8	11.46	99.3	13.38	108.3	15.54	117.5	17.52	121.1	17.94	125.8	18.36	129.3	18.72
		576.0	91.8	10.56	99.3	12.48	108.3	14.58	117.5	16.38	121.1	16.80	125.8	17.22	129.3	17.52
		720.0	91.8	10.26	99.3	12.24	108.3	14.28	117.5	16.08	121.1	16.44	125.8	16.86	129.3	17.04
		864.0	91.8	10.11	99.3	12.12	108.3	14.13	117.5	15.93	121.1	16.26	125.8	16.68	129.3	16.80

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	230.4	91.8	14.39	99.3	16.71	108.3	19.46	117.5	21.89	121.1	22.44	125.8	22.98	129.3	23.42
		288.0	91.8	14.10	99.3	16.44	108.3	19.14	117.5	21.54	121.1	22.08	125.8	22.62	129.3	23.04
		576.0	91.8	12.96	99.3	15.36	108.3	17.88	117.5	20.16	121.1	20.64	125.8	21.18	129.3	21.54
		720.0	91.8	12.60	99.3	15.06	108.3	17.52	117.5	19.74	121.1	20.28	125.8	20.76	129.3	21.00
		864.0	91.8	12.42	99.3	14.91	108.3	17.34	117.5	19.53	121.1	20.10	125.8	20.55	129.3	20.73
	35	230.4	91.8	15.98	99.3	18.53	108.3	21.66	117.5	24.33	121.1	24.95	125.8	25.55	129.3	25.97
		288.0	91.8	15.66	99.3	18.24	108.3	21.30	117.5	23.94	121.1	24.54	125.8	25.14	129.3	25.56
		576.0	91.8	14.40	99.3	17.10	108.3	19.86	117.5	22.38	121.1	22.92	125.8	23.52	129.3	23.94
		720.0	91.8	13.98	99.3	16.68	108.3	19.50	117.5	21.96	121.1	22.50	125.8	23.10	129.3	23.34
		864.0	91.8	13.77	99.3	16.47	108.3	19.32	117.5	21.75	121.1	22.29	125.8	22.89	129.3	23.04
	40	230.4	91.8	18.92	99.3	21.95	108.3	25.61	117.5	28.85	121.1	29.51	125.8	30.24	129.3	30.78
		288.0	91.8	18.54	99.3	21.60	108.3	25.20	117.5	28.38	121.1	29.04	125.8	29.76	129.3	30.30
		576.0	91.8	17.04	99.3	20.22	108.3	23.58	117.5	26.52	121.1	27.18	125.8	27.84	129.3	28.38
		720.0	91.8	16.56	99.3	19.80	108.3	23.04	117.5	25.98	121.1	26.64	125.8	27.36	129.3	27.60
		864.0	91.8	16.32	99.3	19.59	108.3	22.77	117.5	25.71	121.1	26.37	125.8	27.12	129.3	27.21
	45	230.4	91.8	21.86	99.3	25.37	108.3	29.55	117.5	33.37	121.1	34.07	125.8	34.94	129.3	35.60
		288.0	91.8	21.42	99.3	24.96	108.3	29.10	117.5	32.82	121.1	33.54	125.8	34.38	129.3	35.04
		576.0	91.8	19.68	99.3	23.34	108.3	27.30	117.5	30.66	121.1	31.44	125.8	32.16	129.3	32.82
		720.0	91.8	19.14	99.3	22.92	108.3	26.58	117.5	30.00	121.1	30.78	125.8	31.62	129.3	31.86
		864.0	91.8	18.87	99.3	22.71	108.3	26.22	117.5	29.67	121.1	30.45	125.8	31.35	129.3	31.38
60	10	230.4	78.7	4.53	85.1	5.28	92.7	6.06	100.7	6.99	103.9	7.18	107.9	7.26	110.9	7.37
		288.0	78.7	4.44	85.1	5.19	92.7	5.99	100.7	6.87	103.9	7.04	107.9	7.16	110.9	7.27
		576.0	78.7	4.10	85.1	4.85	92.7	5.72	100.7	6.41	103.9	6.52	107.9	6.76	110.9	6.87
		720.0	78.7	3.92	85.1	4.79	92.7	5.60	100.7	6.29	103.9	6.41	107.9	6.58	110.9	6.70
		864.0	78.7	3.82	85.1	4.77	92.7	5.55	100.7	6.24	103.9	6.35	107.9	6.49	110.9	6.61
	15	230.4	78.7	6.18	85.1	7.20	92.7	8.34	100.7	9.45	103.9	9.71	107.9	9.87	110.9	10.05
		288.0	78.7	6.06	85.1	7.08	92.7	8.22	100.7	9.30	103.9	9.54	107.9	9.72	110.9	9.90
		576.0	78.7	5.58	85.1	6.60	92.7	7.74	100.7	8.70	103.9	8.88	107.9	9.12	110.9	9.30
		720.0	78.7	5.40	85.1	6.48	92.7	7.56	100.7	8.52	103.9	8.70	107.9	8.94	110.9	9.06
		864.0	78.7	5.31	85.1	6.42	92.7	7.47	100.7	8.43	103.9	8.61	107.9	8.85	110.9	8.94
	20	230.4	78.7	7.65	85.1	8.91	92.7	10.37	100.7	11.64	103.9	11.96	107.9	12.20	110.9	12.44
		288.0	78.7	7.50	85.1	8.76	92.7	10.20	100.7	11.46	103.9	11.76	107.9	12.00	110.9	12.24
		576.0	78.7	6.90	85.1	8.16	92.7	9.54	100.7	10.74	103.9	10.98	107.9	11.22	110.9	11.46
		720.0	78.7	6.72	85.1	7.98	92.7	9.30	100.7	10.50	103.9	10.74	107.9	11.04	110.9	11.16
		864.0	78.7	6.63	85.1	7.89	92.7	9.18	100.7	10.38	103.9	10.62	107.9	10.95	110.9	11.01
	25	230.4	78.7	9.30	85.1	10.86	92.7	12.63	100.7	14.21	103.9	14.51	107.9	14.87	110.9	15.18
		288.0	78.7	9.12	85.1	10.68	92.7	12.42	100.7	13.98	103.9	14.28	107.9	14.64	110.9	14.94
		576.0	78.7	8.40	85.1	9.96	92.7	11.58	100.7	13.08	103.9	13.38	107.9	13.74	110.9	13.98
		720.0	78.7	8.16	85.1	9.72	92.7	11.34	100.7	12.78	103.9	13.14	107.9	13.44	110.9	13.62
		864.0	78.7	8.04	85.1	9.60	92.7	11.22	100.7	12.63	103.9	13.02	107.9	13.29	110.9	13.44
	30	230.4	78.7	11.45	85.1	13.29	92.7	15.48	100.7	17.43	103.9	17.87	107.9	18.29	110.9	18.66
		288.0	78.7	11.22	85.1	13.08	92.7	15.24	100.7	17.16	103.9	17.58	107.9	18.00	110.9	18.36
		576.0	78.7	10.32	85.1	12.24	92.7	14.28	100.7	16.08	103.9	16.44	107.9	16.86	110.9	17.16
		720.0	78.7	10.02	85.1	12.00	92.7	13.98	100.7	15.78	103.9	16.14	107.9	16.56	110.9	16.74
		864.0	78.7	9.87	85.1	11.88	92.7	13.83	100.7	15.63	103.9	15.99	107.9	16.41	110.9	16.53
	35	230.4	78.7	12.74	85.1	14.82	92.7	17.27	100.7	19.38	103.9	19.88	107.9	20.37	110.9	20.73
		288.0	78.7	12.48	85.1	14.58	92.7	16.98	100.7	19.08	103.9	19.56	107.9	20.04	110.9	20.40
		576.0	78.7	11.46	85.1	13.62	92.7	15.84	100.7	17.88	103.9	18.30	107.9	18.72	110.9	19.08
		720.0	78.7	11.16	85.1	13.32	92.7	15.54	100.7	17.52	103.9	17.94	107.9	18.42	110.9	18.60
		864.0	78.7	11.01	85.1	13.17	92.7	15.39	100.7	17.34	103.9	17.76	107.9	18.27	110.9	18.36
	40	230.4	78.7	15.05	85.1	17.49	92.7	20.43	100.7	23.00	103.9	23.54	107.9	24.08	110.9	24.57
		288.0	78.7	14.76	85.1	17.22	92.7	20.10	100.7	22.62	103.9	23.16	107.9	23.70	110.9	24.18
		576.0	78.7	13.62	85.1	16.14	92.7	18.78	100.7	21.12	103.9	21.66	107.9	22.20	110.9	22.62
		720.0	78.7	13.20	85.1	15.78	92.7	18.42	100.7	20.70	103.9	21.24	107.9	21.78	110.9	22.02
		864.0	78.7	12.99	85.1	15.60	92.7	18.24	100.7	20.49	103.9	21.03	107.9	21.57	110.9	21.72
	45	230.4	78.7	17.36	85.1	20.16	92.7	23.60	100.7	26.61	103.9	27.20	107.9	27.78	110.9	28.41
		288.0	78.7	17.04	85.1	19.86	92.7	23.22	100.7	26.16	103.9	26.76	107.9	27.36	110.9	27.96
		576.0	78.7	15.78	85.1	18.66	92.7	21.72	100.7	24.36	103.9	25.02	107.9	25.68	110.9	26.16
		720.0	78.7	15.24	85.1	18.24	92.7	21.30	100.7	23.88	103.9	24.54	107.9	25.14	110.9	25.44
		864.0	78.7	14.97	85.1	18.03	92.7	21.09	100.7	23.64	103.9	24.30	107.9	24.87	110.9	25.08
50	10	230.4	65.5	3.36	70.9	3.92	77.3	4.72	84.1	5.15	86.5	5.24	89.9	5.47	92.3	5.51
		288.0	65.5	3.29	70.9	3.86	77.3	4.63	84.1	5.08	86.5	5.19	89.9	5.37	92.3	5.42
		576.0	65.5	2.99	70.9	3.64	77.3	4.28	84.1	4.79	86.5	4.97	89.9	4.96	92.3	5.08
		720.0	65.5	2.94	70.9	3.65	77.3	4.16	84.1	4.67	86.5	4.73	89.9	4.91	92.3	4.90
		864.0	65.5	2.91	70.9	3.65	77.3	4.09	84.1	4.61	86.5	4.60	89.9	4.88	92.3	4.81

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	230.4	65.5	4.59	70.9	5.37	77.3	6.29	84.1	7.01	86.5	7.19	89.9	7.38	92.3	7.50
		288.0	65.5	4.50	70.9	5.28	77.3	6.18	84.1	6.90	86.5	7.08	89.9	7.26	92.3	7.38
		576.0	65.5	4.14	70.9	4.92	77.3	5.76	84.1	6.48	86.5	6.66	89.9	6.78	92.3	6.90
		720.0	65.5	4.02	70.9	4.86	77.3	5.64	84.1	6.36	86.5	6.48	89.9	6.66	92.3	6.72
		864.0	65.5	3.96	70.9	4.83	77.3	5.58	84.1	6.30	86.5	6.39	89.9	6.60	92.3	6.63
	20	230.4	65.5	5.69	70.9	6.66	77.3	7.68	84.1	8.66	86.5	8.91	89.9	9.08	92.3	9.27
		288.0	65.5	5.58	70.9	6.54	77.3	7.56	84.1	8.52	86.5	8.76	89.9	8.94	92.3	9.12
		576.0	65.5	5.16	70.9	6.06	77.3	7.08	84.1	7.98	86.5	8.16	89.9	8.40	92.3	8.52
		720.0	65.5	4.98	70.9	5.94	77.3	6.96	84.1	7.86	86.5	8.04	89.9	8.22	92.3	8.34
		864.0	65.5	4.89	70.9	5.88	77.3	6.90	84.1	7.80	86.5	7.98	89.9	8.13	92.3	8.25
	25	230.4	65.5	6.92	70.9	8.04	77.3	9.39	84.1	10.62	86.5	10.86	89.9	11.10	92.3	11.27
		288.0	65.5	6.78	70.9	7.92	77.3	9.24	84.1	10.44	86.5	10.68	89.9	10.92	92.3	11.10
		576.0	65.5	6.24	70.9	7.44	77.3	8.64	84.1	9.72	86.5	9.96	89.9	10.20	92.3	10.44
		720.0	65.5	6.06	70.9	7.26	77.3	8.46	84.1	9.54	86.5	9.78	89.9	10.02	92.3	10.14
		864.0	65.5	5.97	70.9	7.17	77.3	8.37	84.1	9.45	86.5	9.69	89.9	9.93	92.3	9.99
	30	230.4	65.5	8.58	70.9	9.95	77.3	11.60	84.1	13.05	86.5	13.37	89.9	13.65	92.3	13.91
		288.0	65.5	8.40	70.9	9.78	77.3	11.40	84.1	12.84	86.5	13.14	89.9	13.44	92.3	13.68
		576.0	65.5	7.68	70.9	9.12	77.3	10.62	84.1	12.00	86.5	12.24	89.9	12.60	92.3	12.78
		720.0	65.5	7.50	70.9	8.94	77.3	10.44	84.1	11.76	86.5	12.06	89.9	12.36	92.3	12.48
		864.0	65.5	7.41	70.9	8.85	77.3	10.35	84.1	11.64	86.5	11.97	89.9	12.24	92.3	12.33
	35	230.4	65.5	9.48	70.9	11.04	77.3	12.87	84.1	14.45	86.5	14.82	89.9	15.18	92.3	15.42
		288.0	65.5	9.30	70.9	10.86	77.3	12.66	84.1	14.22	86.5	14.58	89.9	14.94	92.3	15.18
		576.0	65.5	8.58	70.9	10.14	77.3	11.82	84.1	13.32	86.5	13.62	89.9	13.98	92.3	14.22
		720.0	65.5	8.34	70.9	9.96	77.3	11.58	84.1	13.08	86.5	13.38	89.9	13.74	92.3	13.86
		864.0	65.5	8.22	70.9	9.87	77.3	11.46	84.1	12.96	86.5	13.26	89.9	13.62	92.3	13.68
	40	230.4	65.5	11.27	70.9	13.05	77.3	15.26	84.1	17.13	86.5	17.57	89.9	17.99	92.3	18.29
		288.0	65.5	11.04	70.9	12.84	77.3	15.00	84.1	16.86	86.5	17.28	89.9	17.70	92.3	18.00
		576.0	65.5	10.14	70.9	12.00	77.3	13.98	84.1	15.78	86.5	16.14	89.9	16.56	92.3	16.86
		720.0	65.5	9.84	70.9	11.76	77.3	13.74	84.1	15.48	86.5	15.84	89.9	16.26	92.3	16.38
		864.0	65.5	9.69	70.9	11.64	77.3	13.62	84.1	15.33	86.5	15.69	89.9	16.11	92.3	16.14
	45	230.4	65.5	13.05	70.9	15.06	77.3	17.64	84.1	19.82	86.5	20.31	89.9	20.79	92.3	21.15
		288.0	65.5	12.78	70.9	14.82	77.3	17.34	84.1	19.50	86.5	19.98	89.9	20.46	92.3	20.82
		576.0	65.5	11.70	70.9	13.86	77.3	16.14	84.1	18.24	86.5	18.66	89.9	19.14	92.3	19.50
		720.0	65.5	11.34	70.9	13.56	77.3	15.90	84.1	17.88	86.5	18.30	89.9	18.78	92.3	18.90
		864.0	65.5	11.16	70.9	13.41	77.3	15.78	84.1	17.70	86.5	18.12	89.9	18.60	92.3	18.60

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(62HP)

ARWN620LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	238.4	161.4	11.40	174.8	13.35	190.2	15.56	206.7	17.45	213.1	17.85	221.4	18.41	227.6	18.68
		298.0	161.4	11.19	174.8	13.12	190.2	15.29	206.7	17.17	213.1	17.58	221.4	18.10	227.6	18.40
		596.0	161.4	10.37	174.8	12.20	190.2	14.24	206.7	16.05	213.1	16.52	221.4	16.88	227.6	17.27
		745.0	161.4	10.07	174.8	12.00	190.2	14.00	206.7	15.70	213.1	16.17	221.4	16.58	227.6	16.82
		894.0	161.4	9.92	174.8	11.91	190.2	13.88	206.7	15.52	213.1	15.99	221.4	16.42	227.6	16.59
	15	238.4	158.8	15.02	172.0	17.50	187.2	20.40	203.5	22.92	209.6	23.47	217.8	24.08	223.9	24.49
		298.0	158.8	14.73	172.0	17.22	187.2	20.07	203.5	22.56	209.6	23.10	217.8	23.70	223.9	24.13
		596.0	158.8	13.58	172.0	16.07	187.2	18.74	203.5	21.10	209.6	21.64	217.8	22.20	223.9	22.67
		745.0	158.8	13.21	172.0	15.76	187.2	18.37	203.5	20.67	209.6	21.22	217.8	21.76	223.9	22.13
		894.0	158.8	13.03	172.0	15.60	187.2	18.18	203.5	20.46	209.6	21.01	217.8	21.55	223.9	21.86
	20	238.4	156.4	18.25	169.4	21.20	184.5	24.71	200.6	27.79	206.6	28.47	214.5	29.13	220.7	29.66
		298.0	156.4	17.88	169.4	20.86	184.5	24.31	200.6	27.34	206.6	28.01	214.5	28.68	220.7	29.22
		596.0	156.4	16.43	169.4	19.51	184.5	22.73	200.6	25.58	206.6	26.20	214.5	26.92	220.7	27.46
		745.0	156.4	16.01	169.4	19.10	184.5	22.25	200.6	25.09	206.6	25.71	214.5	26.38	220.7	26.86
		894.0	156.4	15.79	169.4	18.89	184.5	22.01	200.6	24.85	206.6	25.46	214.5	26.10	220.7	26.55
	25	238.4	156.4	22.51	169.4	26.13	184.5	30.45	200.6	34.33	206.6	35.12	214.5	35.96	220.7	36.57
		298.0	156.4	22.07	169.4	25.71	184.5	29.95	200.6	33.77	206.6	34.55	214.5	35.41	220.7	36.02
		596.0	156.4	20.31	169.4	24.06	184.5	28.01	200.6	31.53	206.6	32.32	214.5	33.21	220.7	33.84
		745.0	156.4	19.71	169.4	23.52	184.5	27.46	200.6	30.92	206.6	31.72	214.5	32.56	220.7	33.10
		894.0	156.4	19.40	169.4	23.25	184.5	27.18	200.6	30.62	206.6	31.41	214.5	32.23	220.7	32.73
	30	238.4	156.4	27.04	169.4	31.36	184.5	36.54	200.6	41.17	206.6	42.14	214.5	43.17	220.7	43.89
		298.0	156.4	26.49	169.4	30.86	184.5	35.95	200.6	40.50	206.6	41.47	214.5	42.49	220.7	43.23
		596.0	156.4	24.32	169.4	28.86	184.5	33.64	200.6	37.83	206.6	38.80	214.5	39.83	220.7	40.62
		745.0	156.4	23.64	169.4	28.25	184.5	32.92	200.6	37.10	206.6	38.07	214.5	39.04	220.7	39.71
		894.0	156.4	23.31	169.4	27.94	184.5	32.57	200.6	36.74	206.6	37.71	214.5	38.65	220.7	39.25
	35	238.4	140.8	27.28	152.4	31.74	166.0	36.97	180.5	41.59	185.9	42.64	193.1	43.66	198.6	44.37
		298.0	140.8	26.74	152.4	31.22	166.0	36.38	180.5	40.92	185.9	41.95	193.1	42.97	198.6	43.71
		596.0	140.8	24.61	152.4	29.17	166.0	34.01	180.5	38.31	185.9	39.23	193.1	40.26	198.6	41.10
		745.0	140.8	23.94	152.4	28.55	166.0	33.29	180.5	37.53	185.9	38.50	193.1	39.47	198.6	40.14
		894.0	140.8	23.60	152.4	28.24	166.0	32.92	180.5	37.14	185.9	38.13	193.1	39.08	198.6	39.66
	40	238.4	125.1	28.83	135.6	33.45	147.5	39.00	160.4	43.88	165.3	44.90	171.6	45.99	176.5	46.84
		298.0	125.1	28.25	135.6	32.92	147.5	38.37	160.4	43.17	165.3	44.20	171.6	45.29	176.5	46.14
		596.0	125.1	25.95	135.6	30.80	147.5	35.89	160.4	40.38	165.3	41.40	171.6	42.49	176.5	43.34
		745.0	125.1	25.22	135.6	30.13	147.5	35.10	160.4	39.59	165.3	40.62	171.6	41.65	176.5	42.37
		894.0	125.1	24.86	135.6	29.80	147.5	34.71	160.4	39.19	165.3	40.23	171.6	41.23	176.5	41.89
	45	238.4	109.4	30.38	118.7	35.17	129.1	41.02	140.3	46.17	144.6	47.17	150.1	48.33	154.4	49.31
		298.0	109.4	29.76	118.7	34.61	129.1	40.36	140.3	45.42	144.6	46.45	150.1	47.60	154.4	48.56
		596.0	109.4	27.29	118.7	32.42	129.1	37.77	140.3	42.45	144.6	43.58	150.1	44.73	154.4	45.58
		745.0	109.4	26.50	118.7	31.71	129.1	36.92	140.3	41.65	144.6	42.74	150.1	43.83	154.4	44.61
		894.0	109.4	26.11	118.7	31.35	129.1	36.49	140.3	41.24	144.6	42.32	150.1	43.38	154.4	44.12
120	10	238.4	152.8	10.87	165.3	12.67	180.1	14.67	195.7	16.54	201.6	17.02	209.5	17.43	215.3	17.65
		298.0	152.8	10.65	165.3	12.46	180.1	14.45	195.7	16.27	201.6	16.73	209.5	17.14	215.3	17.39
		596.0	152.8	9.76	165.3	11.64	180.1	13.58	195.7	15.20	201.6	15.57	209.5	15.98	215.3	16.33
		745.0	152.8	9.48	165.3	11.29	180.1	13.27	195.7	14.87	201.6	15.33	209.5	15.69	215.3	15.98
		894.0	152.8	9.33	165.3	11.11	180.1	13.12	195.7	14.70	201.6	15.20	209.5	15.55	215.3	15.80
	15	238.4	151.0	14.42	163.5	16.76	178.1	19.47	193.5	21.94	199.3	22.49	207.1	23.03	212.9	23.40
		298.0	151.0	14.12	163.5	16.49	178.1	19.16	193.5	21.59	199.3	22.12	207.1	22.67	212.9	23.04
		596.0	151.0	12.97	163.5	15.40	178.1	17.94	193.5	20.19	199.3	20.67	207.1	21.22	212.9	21.64
		745.0	151.0	12.61	163.5	15.04	178.1	17.58	193.5	19.77	199.3	20.31	207.1	20.80	212.9	21.15
		894.0	151.0	12.43	163.5	14.86	178.1	17.39	193.5	19.56	199.3	20.12	207.1	20.59	212.9	20.91
	20	238.4	149.3	17.57	161.8	20.40	176.3	23.73	191.5	26.74	197.3	27.35	204.9	28.01	210.7	28.50
		298.0	149.3	17.22	161.8	20.07	176.3	23.35	191.5	26.31	197.3	26.92	204.9	27.58	210.7	28.07
		596.0	149.3	15.82	161.8	18.74	176.3	21.83	191.5	24.61	197.3	25.21	204.9	25.88	210.7	26.37
		745.0	149.3	15.40	161.8	18.37	176.3	21.40	191.5	24.13	197.3	24.73	204.9	25.34	210.7	25.76
		894.0	149.3	15.18	161.8	18.18	176.3	21.19	191.5	23.88	197.3	24.49	204.9	25.07	210.7	25.45
	25	238.4	149.3	21.58	161.8	25.08	176.3	29.20	191.5	32.84	197.3	33.64	204.9	34.49	210.7	35.09
		298.0	149.3	21.15	161.8	24.67	176.3	28.73	191.5	32.32	197.3	33.10	204.9	33.94	210.7	34.55
		596.0	149.3	19.46	161.8	23.04	176.3	26.86	191.5	30.25	197.3	30.98	204.9	31.77	210.7	32.43
		745.0	149.3	18.91	161.8	22.56	176.3	26.31	191.5	29.64	197.3	30.38	204.9	31.16	210.7	31.64
		894.0	149.3	18.64	161.8	22.31	176.3	26.04	191.5	29.34	197.3	30.08	204.9	30.86	210.7	31.25
	30	238.4	149.3	26.03	161.8	30.32	176.3	35.32	191.5	39.74	197.3	40.66	204.9	41.69	210.7	42.42
		298.0	149.3	25.53	161.8	29.83	176.3	34.73	191.5	39.10	197.3	40.02	204.9	41.04	210.7	41.77
		596.0	149.3	23.52	161.8	27.88	176.3	32.44	191.5	36.56	197.3	37.47	204.9	38.43	210.7	39.17
		745.0	149.3	22.85	161.8	27.28	176.3	31.77	191.5	35.83	197.3	36.74	204.9	37.71	210.7	38.26
		894.0	149.3	22.52	161.8	26.98	176.3	31.44	191.5	35.47	197.3	36.38	204.9	37.34	210.7	37.80

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	238.4	136.7	26.73	148.1	31.06	161.3	36.17	175.2	40.73	180.5	41.72	187.5	42.68	192.8	43.47
		298.0	136.7	26.19	148.1	30.56	161.3	35.58	175.2	40.08	180.5	41.04	187.5	42.02	192.8	42.80
		596.0	136.7	24.07	148.1	28.55	161.3	33.28	175.2	37.47	180.5	38.38	187.5	39.40	192.8	40.14
		745.0	136.7	23.40	148.1	27.95	161.3	32.61	175.2	36.74	180.5	37.66	187.5	38.62	192.8	39.22
		894.0	136.7	23.07	148.1	27.65	161.3	32.28	175.2	36.37	180.5	37.29	187.5	38.22	192.8	38.76
	40	238.4	124.0	28.76	134.3	33.40	146.3	38.94	159.1	43.82	163.8	44.86	170.2	45.95	174.9	46.79
		298.0	124.0	28.19	134.3	32.86	146.3	38.31	159.1	43.11	163.8	44.14	170.2	45.23	174.9	46.07
		596.0	124.0	25.94	134.3	30.74	146.3	35.82	159.1	40.32	163.8	41.29	170.2	42.38	174.9	43.22
		745.0	124.0	25.21	134.3	30.07	146.3	35.10	159.1	39.53	163.8	40.56	170.2	41.59	174.9	42.20
		894.0	124.0	24.85	134.3	29.74	146.3	34.73	159.1	39.14	163.8	40.19	170.2	41.19	174.9	41.68
	45	238.4	111.3	30.79	120.6	35.73	131.3	41.72	143.0	46.90	147.2	48.01	152.8	49.22	156.9	50.12
		298.0	111.3	30.19	120.6	35.17	131.3	41.04	143.0	46.14	147.2	47.24	152.8	48.44	156.9	49.35
		596.0	111.3	27.82	120.6	32.92	131.3	38.37	143.0	43.17	147.2	44.21	152.8	45.36	156.9	46.31
		745.0	111.3	27.03	120.6	32.20	131.3	37.58	143.0	42.32	147.2	43.46	152.8	44.56	156.9	45.18
		894.0	111.3	26.63	120.6	31.83	131.3	37.18	143.0	41.90	147.2	43.08	152.8	44.16	156.9	44.61
110	10	238.4	144.0	10.25	156.1	11.87	169.9	13.90	184.6	15.61	190.0	15.96	197.6	16.43	202.9	16.69
		298.0	144.0	10.05	156.1	11.68	169.9	13.67	184.6	15.36	190.0	15.72	197.6	16.17	202.9	16.43
		596.0	144.0	9.23	156.1	10.93	169.9	12.74	184.6	14.36	190.0	14.78	197.6	15.13	202.9	15.37
		745.0	144.0	8.99	156.1	10.70	169.9	12.45	184.6	14.14	190.0	14.38	197.6	14.84	202.9	15.01
		894.0	144.0	8.87	156.1	10.58	169.9	12.30	184.6	14.03	190.0	14.18	197.6	14.69	202.9	14.82
	15	238.4	143.2	13.73	155.1	15.96	168.9	18.61	183.6	20.95	189.0	21.44	196.4	21.99	201.9	22.36
		298.0	143.2	13.46	155.1	15.70	168.9	18.30	183.6	20.61	189.0	21.10	196.4	21.64	201.9	22.01
		596.0	143.2	12.37	155.1	14.68	168.9	17.10	183.6	19.27	189.0	19.76	196.4	20.25	201.9	20.62
		745.0	143.2	12.06	155.1	14.37	168.9	16.73	183.6	18.91	189.0	19.34	196.4	19.88	201.9	20.12
		894.0	143.2	11.90	155.1	14.22	168.9	16.55	183.6	18.73	189.0	19.13	196.4	19.70	201.9	19.87
	20	238.4	142.4	16.83	154.2	19.59	168.0	22.79	182.6	25.69	188.1	26.31	195.3	26.92	200.9	27.40
		298.0	142.4	16.49	154.2	19.27	168.0	22.43	182.6	25.28	188.1	25.88	195.3	26.50	200.9	26.98
		596.0	142.4	15.16	154.2	18.01	168.0	20.98	182.6	23.64	188.1	24.19	195.3	24.80	200.9	25.28
		745.0	142.4	14.79	154.2	17.64	168.0	20.55	182.6	23.16	188.1	23.76	195.3	24.37	200.9	24.67
		894.0	142.4	14.60	154.2	17.45	168.0	20.33	182.6	22.91	188.1	23.54	195.3	24.15	200.9	24.36
	25	238.4	142.4	20.59	154.2	23.97	168.0	27.91	182.6	31.43	188.1	32.16	195.3	32.96	200.9	33.56
		298.0	142.4	20.19	154.2	23.58	168.0	27.46	182.6	30.92	188.1	31.65	195.3	32.44	200.9	33.04
		596.0	142.4	18.61	154.2	22.06	168.0	25.70	182.6	28.92	188.1	29.64	195.3	30.38	200.9	30.97
		745.0	142.4	18.07	154.2	21.58	168.0	25.16	182.6	28.37	188.1	29.04	195.3	29.83	200.9	30.19
		894.0	142.4	17.80	154.2	21.34	168.0	24.88	182.6	28.09	188.1	28.74	195.3	29.55	200.9	29.79
	30	238.4	142.4	25.11	154.2	29.21	168.0	34.02	182.6	38.33	188.1	39.25	195.3	40.16	200.9	40.90
		298.0	142.4	24.62	154.2	28.74	168.0	33.47	182.6	37.71	188.1	38.62	195.3	39.53	200.9	40.26
		596.0	142.4	22.67	154.2	26.86	168.0	31.28	182.6	35.23	188.1	36.13	195.3	37.04	200.9	37.71
		745.0	142.4	22.06	154.2	26.31	168.0	30.68	182.6	34.56	188.1	35.41	195.3	36.32	200.9	36.80
		894.0	142.4	21.75	154.2	26.03	168.0	30.37	182.6	34.22	188.1	35.04	195.3	35.96	200.9	36.34
	35	238.4	132.7	26.16	143.7	30.38	156.6	35.37	170.1	39.86	175.2	40.79	182.1	41.77	187.2	42.56
		298.0	132.7	25.64	143.7	29.89	156.6	34.80	170.1	39.22	175.2	40.13	182.1	41.11	187.2	41.89
		596.0	132.7	23.58	143.7	27.94	156.6	32.56	170.1	36.67	175.2	37.53	182.1	38.50	187.2	39.23
		745.0	132.7	22.92	143.7	27.34	156.6	31.88	170.1	35.94	175.2	36.86	182.1	37.77	187.2	38.26
		894.0	132.7	22.58	143.7	27.04	156.6	31.55	170.1	35.58	175.2	36.52	182.1	37.40	187.2	37.77
	40	238.4	122.9	28.70	133.2	33.40	145.0	38.88	157.7	43.75	162.4	44.80	168.7	45.89	173.4	46.74
		298.0	122.9	28.14	133.2	32.85	145.0	38.25	157.7	43.05	162.4	44.08	168.7	45.17	173.4	46.01
		596.0	122.9	25.89	133.2	30.68	145.0	35.77	157.7	40.26	162.4	41.23	168.7	42.32	173.4	43.10
		745.0	122.9	25.16	133.2	30.02	145.0	35.04	157.7	39.47	162.4	40.49	168.7	41.52	173.4	42.01
		894.0	122.9	24.79	133.2	29.68	145.0	34.67	157.7	39.07	162.4	40.12	168.7	41.13	173.4	41.47
	45	238.4	113.2	31.25	122.7	36.42	133.4	42.39	145.2	47.64	149.5	48.81	155.3	50.01	159.7	50.93
		298.0	113.2	30.63	122.7	35.82	133.4	41.70	145.2	46.87	149.5	48.03	155.3	49.23	159.7	50.13
		596.0	113.2	28.19	122.7	33.42	133.4	38.98	145.2	43.85	149.5	44.93	155.3	46.14	159.7	46.98
		745.0	113.2	27.40	122.7	32.69	133.4	38.19	145.2	42.99	149.5	44.13	155.3	45.28	159.7	45.77
		894.0	113.2	27.00	122.7	32.33	133.4	37.80	145.2	42.56	149.5	43.73	155.3	44.85	159.7	45.16
100	10	238.4	135.4	9.70	146.6	11.27	159.7	12.98	173.6	14.76	178.8	14.99	185.7	15.48	191.0	15.76
		298.0	135.4	9.51	146.6	11.08	159.7	12.78	173.6	14.53	178.8	14.77	185.7	15.22	191.0	15.50
		596.0	135.4	8.75	146.6	10.33	159.7	12.01	173.6	13.59	178.8	13.87	185.7	14.22	191.0	14.51
		745.0	135.4	8.45	146.6	10.09	159.7	11.73	173.6	13.29	178.8	13.59	185.7	13.93	191.0	14.05
		894.0	135.4	8.30	146.6	9.97	159.7	11.60	173.6	13.14	178.8	13.45	185.7	13.79	191.0	13.82
	15	238.4	135.4	13.11	146.6	15.22	159.7	17.69	173.6	19.96	178.8	20.40	185.7	20.95	191.0	21.31
		298.0	135.4	12.85	146.6	14.97	159.7	17.41	173.6	19.64	178.8	20.07	185.7	20.61	191.0	20.97
		596.0	135.4	11.82	146.6	14.00	159.7	16.30	173.6	18.37	178.8	18.79	185.7	19.27	191.0	19.63
		745.0	135.4	11.46	146.6	13.70	159.7	15.95	173.6	18.00	178.8	18.43	185.7	18.91	191.0	19.10
		894.0	135.4	11.28	146.6	13.55	159.7	15.77	173.6	17.82	178.8	18.25	185.7	18.73	191.0	18.83

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	238.4	135.4	16.14	146.6	18.73	159.7	21.87	173.6	24.59	178.8	25.20	185.7	25.81	191.0	26.24
		298.0	135.4	15.82	146.6	18.43	159.7	21.52	173.6	24.19	178.8	24.79	185.7	25.40	191.0	25.83
		596.0	135.4	14.55	146.6	17.27	159.7	20.12	173.6	22.62	178.8	23.16	185.7	23.77	191.0	24.19
		745.0	135.4	14.13	146.6	16.91	159.7	19.70	173.6	22.19	178.8	22.73	185.7	23.34	191.0	23.58
		894.0	135.4	13.92	146.6	16.73	159.7	19.48	173.6	21.97	178.8	22.52	185.7	23.13	191.0	23.28
	25	238.4	135.4	19.67	146.6	22.86	159.7	26.63	173.6	30.01	178.8	30.75	185.7	31.48	191.0	32.03
		298.0	135.4	19.28	146.6	22.49	159.7	26.20	173.6	29.52	178.8	30.24	185.7	30.98	191.0	31.52
		596.0	135.4	17.76	146.6	21.03	159.7	24.49	173.6	27.58	178.8	28.26	185.7	28.98	191.0	29.52
		745.0	135.4	17.27	146.6	20.61	159.7	24.01	173.6	27.04	178.8	27.71	185.7	28.43	191.0	28.74
		894.0	135.4	17.03	146.6	20.40	159.7	23.76	173.6	26.77	178.8	27.44	185.7	28.16	191.0	28.34
	30	238.4	135.4	24.18	146.6	28.16	159.7	32.79	173.6	36.91	178.8	37.78	185.7	38.69	191.0	39.42
		298.0	135.4	23.71	146.6	27.70	159.7	32.25	173.6	36.31	178.8	37.17	185.7	38.07	191.0	38.79
		596.0	135.4	21.83	146.6	25.89	159.7	30.13	173.6	33.95	178.8	34.74	185.7	35.65	191.0	36.31
		745.0	135.4	21.22	146.6	25.34	159.7	29.52	173.6	33.29	178.8	34.13	185.7	34.98	191.0	35.34
		894.0	135.4	20.91	146.6	25.07	159.7	29.22	173.6	32.95	178.8	33.82	185.7	34.65	191.0	34.86
	35	238.4	128.7	25.54	139.4	29.69	151.7	34.57	164.9	38.94	169.8	39.87	176.5	40.84	181.4	41.58
		298.0	128.7	25.04	139.4	29.22	151.7	34.01	164.9	38.31	169.8	39.23	176.5	40.20	181.4	40.92
		596.0	128.7	23.04	139.4	27.34	151.7	31.83	164.9	35.83	169.8	36.68	176.5	37.64	181.4	38.31
		745.0	128.7	22.43	139.4	26.74	151.7	31.16	164.9	35.16	169.8	36.01	176.5	36.92	181.4	37.29
		894.0	128.7	22.12	139.4	26.43	151.7	30.83	164.9	34.82	169.8	35.67	176.5	36.56	181.4	36.77
	40	238.4	121.8	28.70	132.0	33.33	143.7	38.82	156.2	43.70	160.9	44.73	167.3	45.84	171.8	46.63
		298.0	121.8	28.12	132.0	32.80	143.7	38.19	156.2	42.99	160.9	44.01	167.3	45.10	171.8	45.90
		596.0	121.8	25.83	132.0	30.67	143.7	35.70	156.2	40.20	160.9	41.16	167.3	42.20	171.8	42.98
		745.0	121.8	25.15	132.0	30.00	143.7	34.98	156.2	39.41	160.9	40.38	167.3	41.41	171.8	41.84
		894.0	121.8	24.81	132.0	29.67	143.7	34.61	156.2	39.02	160.9	39.98	167.3	41.02	171.8	41.26
	45	238.4	115.0	31.86	124.6	36.98	135.7	43.08	147.5	48.45	152.1	49.60	158.0	50.84	162.2	51.68
		298.0	115.0	31.21	124.6	36.38	135.7	42.37	147.5	47.66	152.1	48.80	158.0	50.01	162.2	50.87
		596.0	115.0	28.62	124.6	34.00	135.7	39.58	147.5	44.56	152.1	45.65	158.0	46.75	162.2	47.65
		745.0	115.0	27.87	124.6	33.27	135.7	38.79	147.5	43.66	152.1	44.75	158.0	45.90	162.2	46.38
		894.0	115.0	27.50	124.6	32.90	135.7	38.39	147.5	43.21	152.1	44.30	158.0	45.48	162.2	45.75
90	10	238.4	121.8	8.26	132.0	9.59	143.7	11.20	156.2	12.67	160.9	12.90	167.3	13.18	171.8	13.57
		298.0	121.8	8.11	132.0	9.45	143.7	11.03	156.2	12.48	160.9	12.71	167.3	13.00	171.8	13.35
		596.0	121.8	7.51	132.0	8.92	143.7	10.34	156.2	11.71	160.9	11.95	167.3	12.30	171.8	12.48
		745.0	121.8	7.29	132.0	8.63	143.7	10.14	156.2	11.37	160.9	11.72	167.3	12.07	171.8	12.07
		894.0	121.8	7.17	132.0	8.48	143.7	10.05	156.2	11.20	160.9	11.60	167.3	11.95	171.8	11.86
	15	238.4	121.8	11.25	132.0	13.06	143.7	15.23	156.2	17.19	160.9	17.56	167.3	17.98	171.8	18.36
		298.0	121.8	11.03	132.0	12.86	143.7	14.98	156.2	16.91	160.9	17.28	167.3	17.70	171.8	18.06
		596.0	121.8	10.18	132.0	12.06	143.7	14.01	156.2	15.81	160.9	16.18	167.3	16.61	171.8	16.91
		745.0	121.8	9.88	132.0	11.76	143.7	13.76	156.2	15.46	160.9	15.88	167.3	16.30	171.8	16.43
		894.0	121.8	9.73	132.0	11.61	143.7	13.63	156.2	15.28	160.9	15.73	167.3	16.15	171.8	16.19
	20	238.4	121.8	13.91	132.0	16.15	143.7	18.80	156.2	21.20	160.9	21.69	167.3	22.25	171.8	22.61
		298.0	121.8	13.64	132.0	15.89	143.7	18.50	156.2	20.85	160.9	21.34	167.3	21.88	171.8	22.25
		596.0	121.8	12.55	132.0	14.85	143.7	17.28	156.2	19.46	160.9	19.95	167.3	20.43	171.8	20.85
		745.0	121.8	12.19	132.0	14.55	143.7	16.97	156.2	19.10	160.9	19.58	167.3	20.07	171.8	20.31
		894.0	121.8	12.01	132.0	14.40	143.7	16.81	156.2	18.91	160.9	19.39	167.3	19.88	171.8	20.03
	25	238.4	121.8	16.94	132.0	19.72	143.7	22.92	156.2	25.82	160.9	26.43	167.3	27.10	171.8	27.60
		298.0	121.8	16.61	132.0	19.39	143.7	22.56	156.2	25.41	160.9	26.01	167.3	26.67	171.8	27.15
		596.0	121.8	15.28	132.0	18.12	143.7	21.10	156.2	23.77	160.9	24.32	167.3	24.97	171.8	25.40
		745.0	121.8	14.85	132.0	17.70	143.7	20.67	156.2	23.28	160.9	23.89	167.3	24.49	171.8	24.73
		894.0	121.8	14.64	132.0	17.49	143.7	20.46	156.2	23.04	160.9	23.67	167.3	24.25	171.8	24.40
	30	238.4	121.8	20.84	132.0	24.23	143.7	28.22	156.2	31.80	160.9	32.52	167.3	33.33	171.8	33.95
		298.0	121.8	20.43	132.0	23.83	143.7	27.76	156.2	31.28	160.9	32.00	167.3	32.80	171.8	33.40
		596.0	121.8	18.79	132.0	22.25	143.7	25.95	156.2	29.22	160.9	29.95	167.3	30.68	171.8	31.23
		745.0	121.8	18.26	132.0	21.82	143.7	25.41	156.2	28.67	160.9	29.35	167.3	30.13	171.8	30.43
		894.0	121.8	17.99	132.0	21.60	143.7	25.13	156.2	28.40	160.9	29.04	167.3	29.86	171.8	30.03
	35	238.4	118.6	22.52	128.3	26.13	139.7	30.44	151.9	34.26	156.4	35.07	162.5	35.92	167.1	36.59
		298.0	118.6	22.06	128.3	25.70	139.7	29.95	151.9	33.71	156.4	34.50	162.5	35.35	167.1	36.01
		596.0	118.6	20.25	128.3	24.01	139.7	28.01	151.9	31.52	156.4	32.26	162.5	33.10	167.1	33.71
		745.0	118.6	19.71	128.3	23.52	139.7	27.41	151.9	30.92	156.4	31.70	162.5	32.49	167.1	32.80
		894.0	118.6	19.43	128.3	23.28	139.7	27.11	151.9	30.61	156.4	31.42	162.5	32.19	167.1	32.35
	40	238.4	115.1	25.85	124.7	30.01	135.8	34.94	147.5	39.38	152.1	40.30	157.9	41.28	162.4	42.01
		298.0	115.1	25.33	124.7	29.52	135.8	34.38	147.5	38.74	152.1	39.65	157.9	40.62	162.4	41.35
		596.0	115.1	23.28	124.7	27.59	135.8	32.19	147.5	36.20	152.1	37.10	157.9	38.02	162.4	38.74
		745.0	115.1	22.62	124.7	27.03	135.8	31.52	147.5	35.52	152.1	36.38	157.9	37.34	162.4	37.71
		894.0	115.1	22.29	124.7	26.75	135.8	31.19	147.5	35.18	152.1	36.01	157.9	37.00	162.4	37.19

Notes:

TC: Total Capacity(kW)　　　　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	238.4	111.7	29.19	121.1	33.89	131.8	39.44	143.2	44.50	147.7	45.52	153.2	46.64	157.6	47.43
		298.0	111.7	28.61	121.1	33.34	131.8	38.82	143.2	43.77	147.7	44.80	153.2	45.89	157.6	46.69
		596.0	111.7	26.32	121.1	31.17	131.8	36.37	143.2	40.87	147.7	41.93	153.2	42.93	157.6	43.77
		745.0	111.7	25.53	121.1	30.54	131.8	35.64	143.2	40.12	147.7	41.05	153.2	42.18	157.6	42.61
		894.0	111.7	25.14	121.1	30.22	131.8	35.27	143.2	39.75	147.7	40.61	153.2	41.81	157.6	42.02
80	10	238.4	108.3	7.04	117.3	8.04	127.8	9.35	138.9	10.68	143.0	10.84	148.6	11.15	152.8	11.26
		298.0	108.3	6.88	117.3	7.94	127.8	9.22	138.9	10.49	143.0	10.67	148.6	10.96	152.8	11.08
		596.0	108.3	6.25	117.3	7.52	127.8	8.69	138.9	9.74	143.0	10.02	148.6	10.20	152.8	10.38
		745.0	108.3	6.18	117.3	7.29	127.8	8.52	138.9	9.57	143.0	9.75	148.6	10.04	152.8	10.14
		894.0	108.3	6.14	117.3	7.17	127.8	8.44	138.9	9.49	143.0	9.61	148.6	9.96	152.8	10.02
	15	238.4	108.3	9.47	117.3	10.96	127.8	12.75	138.9	14.42	143.0	14.72	148.6	15.10	152.8	15.35
		298.0	108.3	9.27	117.3	10.79	127.8	12.55	138.9	14.18	143.0	14.49	148.6	14.85	152.8	15.10
		596.0	108.3	8.49	117.3	10.12	127.8	11.76	138.9	13.22	143.0	13.57	148.6	13.88	152.8	14.13
		745.0	108.3	8.30	117.3	9.88	127.8	11.52	138.9	12.98	143.0	13.28	148.6	13.64	152.8	13.76
		894.0	108.3	8.21	117.3	9.76	127.8	11.40	138.9	12.86	143.0	13.14	148.6	13.52	152.8	13.58
	20	238.4	108.3	11.63	117.3	13.56	127.8	15.78	138.9	17.75	143.0	18.18	148.6	18.60	152.8	18.98
		298.0	108.3	11.40	117.3	13.33	127.8	15.52	138.9	17.46	143.0	17.89	148.6	18.31	152.8	18.67
		596.0	108.3	10.49	117.3	12.43	127.8	14.49	138.9	16.31	143.0	16.73	148.6	17.16	152.8	17.46
		745.0	108.3	10.19	117.3	12.19	127.8	14.19	138.9	16.01	143.0	16.42	148.6	16.85	152.8	16.98
		894.0	108.3	10.04	117.3	12.06	127.8	14.04	138.9	15.85	143.0	16.27	148.6	16.69	152.8	16.74
	25	238.4	108.3	14.23	117.3	16.52	127.8	19.22	138.9	21.62	143.0	22.18	148.6	22.73	152.8	23.11
		298.0	108.3	13.94	117.3	16.25	127.8	18.91	138.9	21.28	143.0	21.82	148.6	22.36	152.8	22.74
		596.0	108.3	12.80	117.3	15.16	127.8	17.70	138.9	19.94	143.0	20.38	148.6	20.91	152.8	21.28
		745.0	108.3	12.43	117.3	14.85	127.8	17.34	138.9	19.52	143.0	20.01	148.6	20.55	152.8	20.73
		894.0	108.3	12.25	117.3	14.70	127.8	17.15	138.9	19.31	143.0	19.82	148.6	20.36	152.8	20.45
	30	238.4	108.3	17.44	117.3	20.28	127.8	23.66	138.9	26.62	143.0	27.23	148.6	27.91	152.8	28.46
		298.0	108.3	17.10	117.3	19.95	127.8	23.28	138.9	26.19	143.0	26.80	148.6	27.46	152.8	28.00
		596.0	108.3	15.76	117.3	18.67	127.8	21.76	138.9	24.49	143.0	25.09	148.6	25.71	152.8	26.19
		745.0	108.3	15.33	117.3	18.26	127.8	21.28	138.9	24.01	143.0	24.61	148.6	25.22	152.8	25.52
		894.0	108.3	15.12	117.3	18.05	127.8	21.04	138.9	23.77	143.0	24.37	148.6	24.98	152.8	25.18
	35	238.4	108.3	19.42	117.3	22.55	127.8	26.24	138.9	29.58	143.0	30.32	148.6	31.06	152.8	31.61
		298.0	108.3	19.03	117.3	22.19	127.8	25.83	138.9	29.11	143.0	29.83	148.6	30.56	152.8	31.10
		596.0	108.3	17.52	117.3	20.74	127.8	24.19	138.9	27.22	143.0	27.88	148.6	28.56	152.8	29.10
		745.0	108.3	17.03	117.3	20.31	127.8	23.70	138.9	26.68	143.0	27.34	148.6	28.07	152.8	28.31
		894.0	108.3	16.79	117.3	20.09	127.8	23.46	138.9	26.41	143.0	27.07	148.6	27.82	152.8	27.92
	40	238.4	108.3	23.01	117.3	26.75	127.8	31.12	138.9	35.06	143.0	35.87	148.6	36.78	152.8	37.40
		298.0	108.3	22.55	117.3	26.30	127.8	30.62	138.9	34.49	143.0	35.29	148.6	36.18	152.8	36.80
		596.0	108.3	20.73	117.3	24.56	127.8	28.62	138.9	32.25	143.0	32.98	148.6	33.83	152.8	34.44
		745.0	108.3	20.13	117.3	24.06	127.8	28.02	138.9	31.59	143.0	32.37	148.6	33.22	152.8	33.53
		894.0	108.3	19.83	117.3	23.81	127.8	27.71	138.9	31.25	143.0	32.07	148.6	32.92	152.8	33.08
	45	238.4	108.3	26.60	117.3	30.94	127.8	36.00	138.9	40.54	143.0	41.42	148.6	42.50	152.8	43.19
		298.0	108.3	26.06	117.3	30.42	127.8	35.41	138.9	39.88	143.0	40.75	148.6	41.81	152.8	42.50
		596.0	108.3	23.94	117.3	28.38	127.8	33.04	138.9	37.28	143.0	38.08	148.6	39.10	152.8	39.78
		745.0	108.3	23.23	117.3	27.82	127.8	32.33	138.9	36.50	143.0	37.40	148.6	38.38	152.8	38.75
		894.0	108.3	22.87	117.3	27.54	127.8	31.97	138.9	36.10	143.0	37.06	148.6	38.02	152.8	38.24
70	10	238.4	94.8	5.75	102.6	6.71	111.8	7.77	121.5	8.76	125.1	9.06	130.0	9.29	133.6	9.35
		298.0	94.8	5.65	102.6	6.60	111.8	7.65	121.5	8.64	125.1	8.92	130.0	9.15	133.6	9.22
		596.0	94.8	5.24	102.6	6.14	111.8	7.17	121.5	8.15	125.1	8.34	130.0	8.57	133.6	8.69
		745.0	94.8	5.12	102.6	6.01	111.8	7.05	121.5	7.94	125.1	8.11	130.0	8.34	133.6	8.46
		894.0	94.8	5.06	102.6	5.95	111.8	7.00	121.5	7.83	125.1	8.00	130.0	8.22	133.6	8.34
	15	238.4	94.8	7.85	102.6	9.13	111.8	10.60	121.5	11.95	125.1	12.26	130.0	12.56	133.6	12.75
		298.0	94.8	7.70	102.6	8.98	111.8	10.43	121.5	11.76	125.1	12.06	130.0	12.36	133.6	12.55
		596.0	94.8	7.09	102.6	8.37	111.8	9.76	121.5	11.03	125.1	11.27	130.0	11.58	133.6	11.76
		745.0	94.8	6.90	102.6	8.19	111.8	9.58	121.5	10.79	125.1	11.04	130.0	11.34	133.6	11.46
		894.0	94.8	6.81	102.6	8.10	111.8	9.48	121.5	10.68	125.1	10.92	130.0	11.22	133.6	11.31
	20	238.4	94.8	9.71	102.6	11.27	111.8	13.12	121.5	14.78	125.1	15.10	130.0	15.47	133.6	15.78
		298.0	94.8	9.51	102.6	11.09	111.8	12.91	121.5	14.54	125.1	14.85	130.0	15.22	133.6	15.52
		596.0	94.8	8.73	102.6	10.36	111.8	12.07	121.5	13.58	125.1	13.88	130.0	14.25	133.6	14.49
		745.0	94.8	8.49	102.6	10.13	111.8	11.82	121.5	13.33	125.1	13.64	130.0	14.00	133.6	14.12
		894.0	94.8	8.37	102.6	10.01	111.8	11.69	121.5	13.21	125.1	13.52	130.0	13.88	133.6	13.94
	25	238.4	94.8	11.81	102.6	13.74	111.8	15.96	121.5	17.99	125.1	18.42	130.0	18.85	133.6	19.22
		298.0	94.8	11.58	102.6	13.52	111.8	15.71	121.5	17.70	125.1	18.13	130.0	18.56	133.6	18.91
		596.0	94.8	10.67	102.6	12.61	111.8	14.73	121.5	16.55	125.1	16.97	130.0	17.40	133.6	17.70
		745.0	94.8	10.36	102.6	12.36	111.8	14.42	121.5	16.25	125.1	16.61	130.0	17.04	133.6	17.22
		894.0	94.8	10.21	102.6	12.24	111.8	14.27	121.5	16.09	125.1	16.44	130.0	16.86	133.6	16.98

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	238.4	94.8	14.54	102.6	16.88	111.8	19.66	121.5	22.12	125.1	22.67	130.0	23.22	133.6	23.66
		298.0	94.8	14.24	102.6	16.61	111.8	19.34	121.5	21.77	125.1	22.31	130.0	22.85	133.6	23.28
		596.0	94.8	13.09	102.6	15.52	111.8	18.07	121.5	20.37	125.1	20.86	130.0	21.40	133.6	21.76
		745.0	94.8	12.73	102.6	15.21	111.8	17.70	121.5	19.95	125.1	20.48	130.0	20.98	133.6	21.22
		894.0	94.8	12.55	102.6	15.06	111.8	17.52	121.5	19.74	125.1	20.29	130.0	20.77	133.6	20.94
	35	238.4	94.8	16.14	102.6	18.73	111.8	21.88	121.5	24.59	125.1	25.20	130.0	25.81	133.6	26.24
		298.0	94.8	15.82	102.6	18.43	111.8	21.52	121.5	24.19	125.1	24.79	130.0	25.40	133.6	25.83
		596.0	94.8	14.55	102.6	17.27	111.8	20.07	121.5	22.62	125.1	23.16	130.0	23.77	133.6	24.19
		745.0	94.8	14.13	102.6	16.86	111.8	19.70	121.5	22.19	125.1	22.73	130.0	23.33	133.6	23.58
		894.0	94.8	13.92	102.6	16.66	111.8	19.51	121.5	21.97	125.1	22.52	130.0	23.12	133.6	23.28
	40	238.4	94.8	19.12	102.6	22.18	111.8	25.88	121.5	29.15	125.1	29.82	130.0	30.56	133.6	31.10
		298.0	94.8	18.74	102.6	21.83	111.8	25.46	121.5	28.67	125.1	29.35	130.0	30.07	133.6	30.61
		596.0	94.8	17.22	102.6	20.43	111.8	23.82	121.5	26.80	125.1	27.46	130.0	28.13	133.6	28.67
		745.0	94.8	16.73	102.6	20.00	111.8	23.28	121.5	26.25	125.1	26.92	130.0	27.64	133.6	27.89
		894.0	94.8	16.49	102.6	19.79	111.8	23.01	121.5	25.98	125.1	26.65	130.0	27.40	133.6	27.49
	45	238.4	94.8	22.09	102.6	25.63	111.8	29.87	121.5	33.71	125.1	34.44	130.0	35.30	133.6	35.96
		298.0	94.8	21.65	102.6	25.22	111.8	29.41	121.5	33.16	125.1	33.90	130.0	34.73	133.6	35.39
		596.0	94.8	19.90	102.6	23.60	111.8	27.57	121.5	30.98	125.1	31.75	130.0	32.49	133.6	33.16
		745.0	94.8	19.34	102.6	23.14	111.8	26.87	121.5	30.32	125.1	31.11	130.0	31.95	133.6	32.20
		894.0	94.8	19.06	102.6	22.91	111.8	26.52	121.5	29.99	125.1	30.78	130.0	31.67	133.6	31.71
60	10	238.4	81.3	4.58	88.0	5.33	95.8	6.15	104.1	7.05	107.3	7.24	111.5	7.33	114.6	7.47
		298.0	81.3	4.49	88.0	5.24	95.8	6.08	104.1	6.93	107.3	7.11	111.5	7.23	114.6	7.36
		596.0	81.3	4.14	88.0	4.90	95.8	5.77	104.1	6.46	107.3	6.60	111.5	6.82	114.6	6.93
		745.0	81.3	3.97	88.0	4.85	95.8	5.66	104.1	6.36	107.3	6.48	111.5	6.64	114.6	6.77
		894.0	81.3	3.89	88.0	4.82	95.8	5.60	104.1	6.30	107.3	6.43	111.5	6.56	114.6	6.68
	15	238.4	81.3	6.25	88.0	7.27	95.8	8.44	104.1	9.55	107.3	9.80	111.5	9.98	114.6	10.16
		298.0	81.3	6.13	88.0	7.15	95.8	8.31	104.1	9.39	107.3	9.63	111.5	9.82	114.6	10.01
		596.0	81.3	5.64	88.0	6.67	95.8	7.82	104.1	8.78	107.3	8.98	111.5	9.22	114.6	9.39
		745.0	81.3	5.46	88.0	6.55	95.8	7.64	104.1	8.61	107.3	8.80	111.5	9.03	114.6	9.15
		894.0	81.3	5.37	88.0	6.49	95.8	7.55	104.1	8.52	107.3	8.71	111.5	8.94	114.6	9.03
	20	238.4	81.3	7.73	88.0	9.00	95.8	10.47	104.1	11.76	107.3	12.07	111.5	12.33	114.6	12.56
		298.0	81.3	7.57	88.0	8.85	95.8	10.30	104.1	11.58	107.3	11.88	111.5	12.13	114.6	12.36
		596.0	81.3	6.97	88.0	8.25	95.8	9.63	104.1	10.85	107.3	11.09	111.5	11.35	114.6	11.58
		745.0	81.3	6.78	88.0	8.06	95.8	9.40	104.1	10.61	107.3	10.86	111.5	11.15	114.6	11.27
		894.0	81.3	6.69	88.0	7.97	95.8	9.28	104.1	10.49	107.3	10.74	111.5	11.06	114.6	11.12
	25	238.4	81.3	9.40	88.0	10.97	95.8	12.76	104.1	14.36	107.3	14.67	111.5	15.03	114.6	15.34
		298.0	81.3	9.22	88.0	10.79	95.8	12.55	104.1	14.12	107.3	14.44	111.5	14.80	114.6	15.09
		596.0	81.3	8.49	88.0	10.06	95.8	11.71	104.1	13.21	107.3	13.52	111.5	13.88	114.6	14.12
		745.0	81.3	8.25	88.0	9.82	95.8	11.47	104.1	12.92	107.3	13.28	111.5	13.59	114.6	13.76
		894.0	81.3	8.13	88.0	9.70	95.8	11.34	104.1	12.77	107.3	13.15	111.5	13.44	114.6	13.57
	30	238.4	81.3	11.57	88.0	13.43	95.8	15.65	104.1	17.62	107.3	18.06	111.5	18.48	114.6	18.86
		298.0	81.3	11.34	88.0	13.22	95.8	15.41	104.1	17.34	107.3	17.77	111.5	18.19	114.6	18.55
		596.0	81.3	10.43	88.0	12.37	95.8	14.43	104.1	16.25	107.3	16.61	111.5	17.04	114.6	17.34
		745.0	81.3	10.13	88.0	12.12	95.8	14.12	104.1	15.94	107.3	16.31	111.5	16.73	114.6	16.91
		894.0	81.3	9.98	88.0	12.00	95.8	13.97	104.1	15.79	107.3	16.16	111.5	16.58	114.6	16.69
	35	238.4	81.3	12.87	88.0	14.97	95.8	17.44	104.1	19.59	107.3	20.08	111.5	20.59	114.6	20.95
		298.0	81.3	12.61	88.0	14.73	95.8	17.15	104.1	19.28	107.3	19.76	111.5	20.25	114.6	20.61
		596.0	81.3	11.59	88.0	13.76	95.8	16.01	104.1	18.06	107.3	18.49	111.5	18.92	114.6	19.28
		745.0	81.3	11.27	88.0	13.46	95.8	15.70	104.1	17.70	107.3	18.13	111.5	18.61	114.6	18.79
		894.0	81.3	11.12	88.0	13.31	95.8	15.55	104.1	17.51	107.3	17.95	111.5	18.45	114.6	18.55
	40	238.4	81.3	15.21	88.0	17.69	95.8	20.64	104.1	23.23	107.3	23.78	111.5	24.33	114.6	24.83
		298.0	81.3	14.92	88.0	17.41	95.8	20.31	104.1	22.85	107.3	23.40	111.5	23.95	114.6	24.43
		596.0	81.3	13.76	88.0	16.30	95.8	18.98	104.1	21.35	107.3	21.88	111.5	22.43	114.6	22.85
		745.0	81.3	13.34	88.0	15.94	95.8	18.61	104.1	20.92	107.3	21.46	111.5	22.01	114.6	22.24
		894.0	81.3	13.13	88.0	15.76	95.8	18.42	104.1	20.71	107.3	21.25	111.5	21.80	114.6	21.94
	45	238.4	81.3	17.55	88.0	20.40	95.8	23.84	104.1	26.88	107.3	27.48	111.5	28.08	114.6	28.71
		298.0	81.3	17.22	88.0	20.09	95.8	23.46	104.1	26.42	107.3	27.03	111.5	27.65	114.6	28.25
		596.0	81.3	15.93	88.0	18.85	95.8	21.95	104.1	24.63	107.3	25.28	111.5	25.94	114.6	26.42
		745.0	81.3	15.41	88.0	18.42	95.8	21.52	104.1	24.15	107.3	24.79	111.5	25.41	114.6	25.70
		894.0	81.3	15.14	88.0	18.21	95.8	21.30	104.1	23.91	107.3	24.54	111.5	25.15	114.6	25.33
50	10	238.4	67.7	3.41	73.3	3.96	79.8	4.74	86.9	5.20	89.4	5.32	92.9	5.52	95.4	5.58
		298.0	67.7	3.34	73.3	3.90	79.8	4.65	86.9	5.13	89.4	5.26	92.9	5.42	95.4	5.49
		596.0	67.7	3.04	73.3	3.68	79.8	4.32	86.9	4.85	89.4	5.02	92.9	5.02	95.4	5.13
		745.0	67.7	2.98	73.3	3.67	79.8	4.21	86.9	4.72	89.4	4.78	92.9	4.96	95.4	4.97
		894.0	67.7	2.94	73.3	3.67	79.8	4.15	86.9	4.66	89.4	4.67	92.9	4.93	95.4	4.89

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	238.4	67.7	4.65	73.3	5.42	79.8	6.34	86.9	7.08	89.4	7.27	92.9	7.46	95.4	7.59
		298.0	67.7	4.56	73.3	5.33	79.8	6.24	86.9	6.97	89.4	7.16	92.9	7.33	95.4	7.46
		596.0	67.7	4.19	73.3	4.97	79.8	5.82	86.9	6.55	89.4	6.73	92.9	6.85	95.4	6.97
		745.0	67.7	4.07	73.3	4.91	79.8	5.70	86.9	6.42	89.4	6.55	92.9	6.73	95.4	6.80
		894.0	67.7	4.01	73.3	4.88	79.8	5.64	86.9	6.36	89.4	6.46	92.9	6.67	95.4	6.71
	20	238.4	67.7	5.75	73.3	6.73	79.8	7.77	86.9	8.75	89.4	9.00	92.9	9.18	95.4	9.37
		298.0	67.7	5.64	73.3	6.61	79.8	7.65	86.9	8.62	89.4	8.85	92.9	9.04	95.4	9.22
		596.0	67.7	5.21	73.3	6.13	79.8	7.16	86.9	8.06	89.4	8.25	92.9	8.49	95.4	8.62
		745.0	67.7	5.04	73.3	6.01	79.8	7.03	86.9	7.94	89.4	8.12	92.9	8.31	95.4	8.42
		894.0	67.7	4.95	73.3	5.94	79.8	6.97	86.9	7.87	89.4	8.06	92.9	8.22	95.4	8.33
	25	238.4	67.7	6.99	73.3	8.13	79.8	9.49	86.9	10.73	89.4	10.97	92.9	11.22	95.4	11.39
		298.0	67.7	6.85	73.3	8.01	79.8	9.34	86.9	10.55	89.4	10.79	92.9	11.03	95.4	11.22
		596.0	67.7	6.31	73.3	7.51	79.8	8.74	86.9	9.82	89.4	10.06	92.9	10.31	95.4	10.55
		745.0	67.7	6.13	73.3	7.33	79.8	8.55	86.9	9.64	89.4	9.88	92.9	10.13	95.4	10.25
		894.0	67.7	6.03	73.3	7.25	79.8	8.46	86.9	9.55	89.4	9.79	92.9	10.04	95.4	10.10
	30	238.4	67.7	8.66	73.3	10.05	79.8	11.71	86.9	13.19	89.4	13.50	92.9	13.79	95.4	14.05
		298.0	67.7	8.48	73.3	9.88	79.8	11.51	86.9	12.97	89.4	13.28	92.9	13.58	95.4	13.82
		596.0	67.7	7.77	73.3	9.22	79.8	10.74	86.9	12.12	89.4	12.37	92.9	12.73	95.4	12.92
		745.0	67.7	7.57	73.3	9.03	79.8	10.55	86.9	11.88	89.4	12.18	92.9	12.48	95.4	12.61
		894.0	67.7	7.48	73.3	8.94	79.8	10.45	86.9	11.76	89.4	12.08	92.9	12.36	95.4	12.46
	35	238.4	67.7	9.59	73.3	11.15	79.8	13.00	86.9	14.60	89.4	14.98	92.9	15.34	95.4	15.59
		298.0	67.7	9.40	73.3	10.97	79.8	12.79	86.9	14.37	89.4	14.73	92.9	15.09	95.4	15.34
		596.0	67.7	8.66	73.3	10.25	79.8	11.95	86.9	13.46	89.4	13.76	92.9	14.12	95.4	14.37
		745.0	67.7	8.42	73.3	10.06	79.8	11.70	86.9	13.21	89.4	13.52	92.9	13.88	95.4	14.00
		894.0	67.7	8.30	73.3	9.96	79.8	11.57	86.9	13.09	89.4	13.39	92.9	13.75	95.4	13.82
	40	238.4	67.7	11.38	73.3	13.19	79.8	15.41	86.9	17.32	89.4	17.75	92.9	18.17	95.4	18.48
		298.0	67.7	11.15	73.3	12.98	79.8	15.15	86.9	17.04	89.4	17.46	92.9	17.88	95.4	18.19
		596.0	67.7	10.24	73.3	12.13	79.8	14.13	86.9	15.94	89.4	16.31	92.9	16.73	95.4	17.03
		745.0	67.7	9.94	73.3	11.88	79.8	13.88	86.9	15.64	89.4	16.01	92.9	16.42	95.4	16.56
		894.0	67.7	9.80	73.3	11.76	79.8	13.75	86.9	15.49	89.4	15.85	92.9	16.27	95.4	16.32
	45	238.4	67.7	13.18	73.3	15.23	79.8	17.81	86.9	20.03	89.4	20.51	92.9	21.00	95.4	21.38
		298.0	67.7	12.91	73.3	14.99	79.8	17.51	86.9	19.71	89.4	20.18	92.9	20.67	95.4	21.04
		596.0	67.7	11.82	73.3	14.01	79.8	16.32	86.9	18.42	89.4	18.86	92.9	19.34	95.4	19.69
		745.0	67.7	11.47	73.3	13.71	79.8	16.06	86.9	18.06	89.4	18.50	92.9	18.97	95.4	19.11
		894.0	67.7	11.29	73.3	13.55	79.8	15.92	86.9	17.88	89.4	18.31	92.9	18.78	95.4	18.82

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(64HP)

ARWN640LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	246.4	166.6	11.87	180.4	13.88	196.4	16.18	213.4	18.16	219.9	18.57	228.5	19.13	234.9	19.43
		308.0	166.6	11.65	180.4	13.64	196.4	15.91	213.4	17.87	219.9	18.29	228.5	18.82	234.9	19.14
		616.0	166.6	10.79	180.4	12.70	196.4	14.82	213.4	16.70	219.9	17.18	228.5	17.57	234.9	17.96
		770.0	166.6	10.47	180.4	12.48	196.4	14.56	213.4	16.34	219.9	16.81	228.5	17.24	234.9	17.50
		924.0	166.6	10.30	180.4	12.37	196.4	14.43	213.4	16.16	219.9	16.63	228.5	17.07	234.9	17.27
	15	246.4	163.9	15.63	177.5	18.21	193.2	21.22	210.0	23.85	216.4	24.42	224.8	25.05	231.1	25.48
		308.0	163.9	15.33	177.5	17.91	193.2	20.87	210.0	23.47	216.4	24.03	224.8	24.65	231.1	25.10
		616.0	163.9	14.13	177.5	16.72	193.2	19.50	210.0	21.95	216.4	22.52	224.8	23.10	231.1	23.58
		770.0	163.9	13.74	177.5	16.39	193.2	19.11	210.0	21.51	216.4	22.08	224.8	22.64	231.1	23.03
		924.0	163.9	13.55	177.5	16.22	193.2	18.91	210.0	21.29	216.4	21.85	224.8	22.41	231.1	22.75
	20	246.4	161.5	18.98	174.9	22.06	190.5	25.70	207.1	28.91	213.2	29.61	221.5	30.31	227.8	30.85
		308.0	161.5	18.60	174.9	21.70	190.5	25.29	207.1	28.45	213.2	29.14	221.5	29.84	227.8	30.39
		616.0	161.5	17.09	174.9	20.29	190.5	23.65	207.1	26.61	213.2	27.26	221.5	28.01	227.8	28.57
		770.0	161.5	16.65	174.9	19.87	190.5	23.15	207.1	26.10	213.2	26.75	221.5	27.44	227.8	27.94
		924.0	161.5	16.43	174.9	19.65	190.5	22.90	207.1	25.85	213.2	26.50	221.5	27.16	227.8	27.62
	25	246.4	161.5	23.42	174.9	27.19	190.5	31.68	207.1	35.71	213.2	36.53	221.5	37.42	227.8	38.04
		308.0	161.5	22.96	174.9	26.75	190.5	31.17	207.1	35.13	213.2	35.94	221.5	36.84	227.8	37.47
		616.0	161.5	21.12	174.9	25.03	190.5	29.14	207.1	32.81	213.2	33.62	221.5	34.55	227.8	35.21
		770.0	161.5	20.50	174.9	24.48	190.5	28.56	207.1	32.17	213.2	33.00	221.5	33.87	227.8	34.44
		924.0	161.5	20.19	174.9	24.20	190.5	28.27	207.1	31.86	213.2	32.69	221.5	33.53	227.8	34.05
	30	246.4	161.5	28.12	174.9	32.63	190.5	38.01	207.1	42.84	213.2	43.84	221.5	44.91	227.8	45.66
		308.0	161.5	27.55	174.9	32.11	190.5	37.40	207.1	42.14	213.2	43.14	221.5	44.20	227.8	44.98
		616.0	161.5	25.30	174.9	30.02	190.5	34.99	207.1	39.36	213.2	40.37	221.5	41.43	227.8	42.26
		770.0	161.5	24.60	174.9	29.39	190.5	34.26	207.1	38.60	213.2	39.61	221.5	40.62	227.8	41.31
		924.0	161.5	24.25	174.9	29.07	190.5	33.89	207.1	38.22	213.2	39.23	221.5	40.21	227.8	40.83
	35	246.4	145.4	28.39	157.4	33.01	171.4	38.47	186.3	43.27	191.9	44.35	199.4	45.41	205.0	46.16
		308.0	145.4	27.83	157.4	32.48	171.4	37.84	186.3	42.58	191.9	43.64	199.4	44.70	205.0	45.47
		616.0	145.4	25.61	157.4	30.35	171.4	35.37	186.3	39.84	191.9	40.81	199.4	41.89	205.0	42.76
		770.0	145.4	24.90	157.4	29.70	171.4	34.63	186.3	39.05	191.9	40.05	199.4	41.07	205.0	41.76
		924.0	145.4	24.55	157.4	29.38	171.4	34.26	186.3	38.64	191.9	39.67	199.4	40.67	205.0	41.27
	40	246.4	129.1	29.99	139.9	34.80	152.3	40.57	165.6	45.66	170.6	46.72	177.2	47.85	182.2	48.73
		308.0	129.1	29.39	139.9	34.24	152.3	39.91	165.6	44.92	170.6	45.99	177.2	47.12	182.2	48.00
		616.0	129.1	27.00	139.9	32.04	152.3	37.33	165.6	42.01	170.6	43.07	177.2	44.20	182.2	45.09
		770.0	129.1	26.24	139.9	31.35	152.3	36.52	165.6	41.18	170.6	42.26	177.2	43.34	182.2	44.08
		924.0	129.1	25.86	139.9	31.00	152.3	36.11	165.6	40.77	170.6	41.85	177.2	42.90	182.2	43.58
	45	246.4	112.9	31.59	122.5	36.59	133.3	42.66	144.9	48.05	149.3	49.09	155.0	50.29	159.4	51.31
		308.0	112.9	30.95	122.5	36.01	133.3	41.98	144.9	47.27	149.3	48.33	155.0	49.53	159.4	50.52
		616.0	112.9	28.39	122.5	33.72	133.3	39.29	144.9	44.18	149.3	45.34	155.0	46.52	159.4	47.42
		770.0	112.9	27.58	122.5	32.99	133.3	38.41	144.9	43.32	149.3	44.47	155.0	45.60	159.4	46.40
		924.0	112.9	27.17	122.5	32.62	133.3	37.97	144.9	42.89	149.3	44.03	155.0	45.14	159.4	45.89
120	10	246.4	157.7	11.31	170.7	13.17	185.9	15.26	202.0	17.22	208.1	17.69	216.3	18.12	222.3	18.38
		308.0	157.7	11.08	170.7	12.96	185.9	15.03	202.0	16.94	208.1	17.39	216.3	17.82	222.3	18.10
		616.0	157.7	10.16	170.7	12.11	185.9	14.12	202.0	15.81	208.1	16.20	216.3	16.63	222.3	16.99
		770.0	157.7	9.86	170.7	11.75	185.9	13.79	202.0	15.48	208.1	15.94	216.3	16.34	222.3	16.62
		924.0	157.7	9.71	170.7	11.57	185.9	13.63	202.0	15.32	208.1	15.81	216.3	16.20	222.3	16.43
	15	246.4	155.8	15.00	168.7	17.43	183.8	20.26	199.7	22.83	205.8	23.39	213.8	23.96	219.8	24.35
		308.0	155.8	14.69	168.7	17.15	183.8	19.94	199.7	22.46	205.8	23.01	213.8	23.58	219.8	23.98
		616.0	155.8	13.49	168.7	16.02	183.8	18.67	199.7	21.00	205.8	21.51	213.8	22.08	219.8	22.52
		770.0	155.8	13.12	168.7	15.65	183.8	18.28	199.7	20.57	205.8	21.12	213.8	21.65	219.8	22.01
		924.0	155.8	12.93	168.7	15.46	183.8	18.09	199.7	20.36	205.8	20.93	213.8	21.43	219.8	21.75
	20	246.4	154.2	18.27	167.0	21.22	182.0	24.70	197.7	27.82	203.7	28.46	211.5	29.15	217.5	29.66
		308.0	154.2	17.91	167.0	20.87	182.0	24.30	197.7	27.37	203.7	28.01	211.5	28.70	217.5	29.21
		616.0	154.2	16.46	167.0	19.50	182.0	22.71	197.7	25.61	203.7	26.23	211.5	26.92	217.5	27.43
		770.0	154.2	16.02	167.0	19.11	182.0	22.27	197.7	25.10	203.7	25.73	211.5	26.37	217.5	26.79
		924.0	154.2	15.80	167.0	18.91	182.0	22.05	197.7	24.84	203.7	25.48	211.5	26.09	217.5	26.47
	25	246.4	154.2	22.45	167.0	26.09	182.0	30.37	197.7	34.17	203.7	34.99	211.5	35.87	217.5	36.50
		308.0	154.2	22.01	167.0	25.66	182.0	29.88	197.7	33.62	203.7	34.44	211.5	35.31	217.5	35.94
		616.0	154.2	20.24	167.0	23.97	182.0	27.94	197.7	31.47	203.7	32.23	211.5	33.06	217.5	33.73
		770.0	154.2	19.67	167.0	23.47	182.0	27.37	197.7	30.84	203.7	31.61	211.5	32.42	217.5	32.92
		924.0	154.2	19.39	167.0	23.22	182.0	27.09	197.7	30.52	203.7	31.30	211.5	32.10	217.5	32.51
	30	246.4	154.2	27.09	167.0	31.54	182.0	36.74	197.7	41.34	203.7	42.31	211.5	43.37	217.5	44.12
		308.0	154.2	26.56	167.0	31.03	182.0	36.13	197.7	40.67	203.7	41.64	211.5	42.69	217.5	43.45
		616.0	154.2	24.46	167.0	29.00	182.0	33.75	197.7	38.04	203.7	38.98	211.5	39.98	217.5	40.76
		770.0	154.2	23.77	167.0	28.38	182.0	33.06	197.7	37.28	203.7	38.23	211.5	39.22	217.5	39.80
		924.0	154.2	23.43	167.0	28.07	182.0	32.71	197.7	36.90	203.7	37.86	211.5	38.84	217.5	39.33

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	246.4	141.1	27.81	152.8	32.31	166.5	37.62	180.9	42.38	186.3	43.40	193.6	44.41	199.0	45.22
		308.0	141.1	27.25	152.8	31.79	166.5	37.02	180.9	41.69	186.3	42.70	193.6	43.72	199.0	44.52
		616.0	141.1	25.04	152.8	29.70	166.5	34.62	180.9	38.98	186.3	39.93	193.6	40.99	199.0	41.76
		770.0	141.1	24.35	152.8	29.08	166.5	33.93	180.9	38.22	186.3	39.18	193.6	40.18	199.0	40.80
		924.0	141.1	24.01	152.8	28.77	166.5	33.58	180.9	37.84	186.3	38.81	193.6	39.77	199.0	40.31
	40	246.4	128.0	29.93	138.6	34.75	151.0	40.51	164.2	45.59	169.1	46.68	175.7	47.81	180.5	48.68
		308.0	128.0	29.33	138.6	34.19	151.0	39.86	164.2	44.85	169.1	45.93	175.7	47.06	180.5	47.93
		616.0	128.0	26.99	138.6	31.98	151.0	37.26	164.2	41.94	169.1	42.96	175.7	44.10	180.5	44.96
		770.0	128.0	26.23	138.6	31.29	151.0	36.51	164.2	41.13	169.1	42.19	175.7	43.27	180.5	43.90
		924.0	128.0	25.85	138.6	30.95	151.0	36.13	164.2	40.72	169.1	41.80	175.7	42.85	180.5	43.37
	45	246.4	114.9	32.04	124.4	37.18	135.5	43.41	147.5	48.80	151.9	49.96	157.7	51.21	162.0	52.14
		308.0	114.9	31.42	124.4	36.59	135.5	42.70	147.5	48.01	151.9	49.16	157.7	50.40	162.0	51.34
		616.0	114.9	28.93	124.4	34.26	135.5	39.91	147.5	44.91	151.9	46.00	157.7	47.20	162.0	48.16
		770.0	114.9	28.10	124.4	33.50	135.5	39.09	147.5	44.04	151.9	45.20	157.7	46.36	162.0	47.01
		924.0	114.9	27.69	124.4	33.12	135.5	38.67	147.5	43.61	151.9	44.79	157.7	45.93	162.0	46.43
110	10	246.4	148.7	10.66	161.1	12.36	175.4	14.45	190.6	16.24	196.2	16.61	203.9	17.07	209.5	17.37
		308.0	148.7	10.45	161.1	12.16	175.4	14.21	190.6	15.98	196.2	16.36	203.9	16.80	209.5	17.10
		616.0	148.7	9.60	161.1	11.38	175.4	13.27	190.6	14.94	196.2	15.37	203.9	15.74	209.5	16.01
		770.0	148.7	9.34	161.1	11.14	175.4	12.96	190.6	14.71	196.2	14.98	203.9	15.44	209.5	15.61
		924.0	148.7	9.22	161.1	11.02	175.4	12.80	190.6	14.59	196.2	14.78	203.9	15.28	209.5	15.40
	15	246.4	147.8	14.29	160.1	16.60	174.3	19.35	189.5	21.79	195.1	22.30	202.7	22.86	208.4	23.27
		308.0	147.8	14.00	160.1	16.34	174.3	19.04	189.5	21.44	195.1	21.95	202.7	22.50	208.4	22.90
		616.0	147.8	12.87	160.1	15.27	174.3	17.80	189.5	20.05	195.1	20.56	202.7	21.07	208.4	21.45
		770.0	147.8	12.54	160.1	14.96	174.3	17.41	189.5	19.67	195.1	20.13	202.7	20.68	208.4	20.93
		924.0	147.8	12.37	160.1	14.80	174.3	17.22	189.5	19.49	195.1	19.92	202.7	20.49	208.4	20.67
	20	246.4	147.0	17.51	159.2	20.38	173.4	23.71	188.5	26.73	194.1	27.36	201.7	28.01	207.4	28.51
		308.0	147.0	17.16	159.2	20.05	173.4	23.33	188.5	26.30	194.1	26.92	201.7	27.57	207.4	28.06
		616.0	147.0	15.78	159.2	18.74	173.4	21.83	188.5	24.59	194.1	25.17	201.7	25.80	207.4	26.30
		770.0	147.0	15.38	159.2	18.35	173.4	21.37	188.5	24.09	194.1	24.71	201.7	25.34	207.4	25.66
		924.0	147.0	15.18	159.2	18.16	173.4	21.14	188.5	23.84	194.1	24.48	201.7	25.12	207.4	25.34
	25	246.4	147.0	21.43	159.2	24.93	173.4	29.04	188.5	32.70	194.1	33.46	201.7	34.29	207.4	34.91
		308.0	147.0	21.01	159.2	24.53	173.4	28.57	188.5	32.17	194.1	32.93	201.7	33.75	207.4	34.37
		616.0	147.0	19.36	159.2	22.94	173.4	26.74	188.5	30.09	194.1	30.84	201.7	31.61	207.4	32.21
		770.0	147.0	18.81	159.2	22.45	173.4	26.17	188.5	29.51	194.1	30.22	201.7	31.03	207.4	31.40
		924.0	147.0	18.53	159.2	22.20	173.4	25.89	188.5	29.22	194.1	29.90	201.7	30.74	207.4	30.99
	30	246.4	147.0	26.14	159.2	30.39	173.4	35.40	188.5	39.87	194.1	40.83	201.7	41.78	207.4	42.56
		308.0	147.0	25.62	159.2	29.90	173.4	34.82	188.5	39.22	194.1	40.18	201.7	41.13	207.4	41.89
		616.0	147.0	23.58	159.2	27.95	173.4	32.55	188.5	36.66	194.1	37.58	201.7	38.53	207.4	39.24
		770.0	147.0	22.94	159.2	27.37	173.4	31.91	188.5	35.95	194.1	36.84	201.7	37.79	207.4	38.29
		924.0	147.0	22.62	159.2	27.08	173.4	31.59	188.5	35.60	194.1	36.46	201.7	37.42	207.4	37.81
	35	246.4	137.0	27.21	148.4	31.61	161.6	36.79	175.6	41.47	180.9	42.43	188.0	43.46	193.2	44.27
		308.0	137.0	26.67	148.4	31.10	161.6	36.20	175.6	40.80	180.9	41.75	188.0	42.77	193.2	43.57
		616.0	137.0	24.53	148.4	29.07	161.6	33.87	175.6	38.15	180.9	39.05	188.0	40.05	193.2	40.81
		770.0	137.0	23.84	148.4	28.45	161.6	33.17	175.6	37.39	180.9	38.34	188.0	39.29	193.2	39.80
		924.0	137.0	23.50	148.4	28.14	161.6	32.81	175.6	37.01	180.9	37.99	188.0	38.91	193.2	39.30
	40	246.4	126.9	29.87	137.5	34.74	149.7	40.44	162.8	45.52	167.6	46.61	174.1	47.74	179.0	48.62
		308.0	126.9	29.28	137.5	34.17	149.7	39.79	162.8	44.78	167.6	45.86	174.1	46.99	179.0	47.86
		616.0	126.9	26.93	137.5	31.93	149.7	37.21	162.8	41.89	167.6	42.89	174.1	44.03	179.0	44.84
		770.0	126.9	26.17	137.5	31.24	149.7	36.45	162.8	41.06	167.6	42.12	174.1	43.20	179.0	43.71
		924.0	126.9	25.79	137.5	30.89	149.7	36.07	162.8	40.64	167.6	41.73	174.1	42.78	179.0	43.14
	45	246.4	116.8	32.53	126.7	37.87	137.8	44.09	149.9	49.57	154.4	50.79	160.3	52.03	164.8	52.98
		308.0	116.8	31.89	126.7	37.25	137.8	43.38	149.9	48.77	154.4	49.97	160.3	51.21	164.8	52.15
		616.0	116.8	29.33	126.7	34.78	137.8	40.55	149.9	45.63	154.4	46.74	160.3	48.00	164.8	48.87
		770.0	116.8	28.50	126.7	34.02	137.8	39.74	149.9	44.73	154.4	45.90	160.3	47.10	164.8	47.61
		924.0	116.8	28.09	126.7	33.64	137.8	39.33	149.9	44.28	154.4	45.48	160.3	46.65	164.8	46.98
100	10	246.4	139.8	10.09	151.3	11.72	164.8	13.53	179.2	15.36	184.6	15.62	191.7	16.10	197.1	16.38
		308.0	139.8	9.89	151.3	11.53	164.8	13.32	179.2	15.11	184.6	15.38	191.7	15.84	197.1	16.11
		616.0	139.8	9.09	151.3	10.75	164.8	12.49	179.2	14.13	184.6	14.43	191.7	14.78	197.1	15.08
		770.0	139.8	8.78	151.3	10.50	164.8	12.22	179.2	13.82	184.6	14.15	191.7	14.49	197.1	14.62
		924.0	139.8	8.63	151.3	10.37	164.8	12.09	179.2	13.66	184.6	14.01	191.7	14.34	197.1	14.39
	15	246.4	139.8	13.64	151.3	15.83	164.8	18.41	179.2	20.77	184.6	21.23	191.7	21.79	197.1	22.16
		308.0	139.8	13.37	151.3	15.58	164.8	18.12	179.2	20.43	184.6	20.89	191.7	21.44	197.1	21.81
		616.0	139.8	12.29	151.3	14.57	164.8	16.96	179.2	19.11	184.6	19.55	191.7	20.05	197.1	20.42
		770.0	139.8	11.92	151.3	14.25	164.8	16.60	179.2	18.72	184.6	19.18	191.7	19.67	197.1	19.87
		924.0	139.8	11.73	151.3	14.09	164.8	16.42	179.2	18.53	184.6	18.99	191.7	19.49	197.1	19.59

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	246.4	139.8	16.79	151.3	19.48	164.8	22.74	179.2	25.58	184.6	26.21	191.7	26.85	197.1	27.31
		308.0	139.8	16.46	151.3	19.18	164.8	22.38	179.2	25.17	184.6	25.79	191.7	26.42	197.1	26.88
		616.0	139.8	15.14	151.3	17.96	164.8	20.93	179.2	23.54	184.6	24.10	191.7	24.72	197.1	25.17
		770.0	139.8	14.71	151.3	17.59	164.8	20.49	179.2	23.08	184.6	23.65	191.7	24.28	197.1	24.53
		924.0	139.8	14.49	151.3	17.40	164.8	20.27	179.2	22.85	184.6	23.42	191.7	24.06	197.1	24.21
	25	246.4	139.8	20.46	151.3	23.78	164.8	27.71	179.2	31.22	184.6	31.97	191.7	32.76	197.1	33.32
		308.0	139.8	20.06	151.3	23.40	164.8	27.26	179.2	30.71	184.6	31.46	191.7	32.23	197.1	32.80
		616.0	139.8	18.47	151.3	21.88	164.8	25.48	179.2	28.70	184.6	29.40	191.7	30.15	197.1	30.71
		770.0	139.8	17.96	151.3	21.44	164.8	24.97	179.2	28.13	184.6	28.84	191.7	29.58	197.1	29.90
		924.0	139.8	17.71	151.3	21.22	164.8	24.72	179.2	27.85	184.6	28.55	191.7	29.30	197.1	29.49
	30	246.4	139.8	25.16	151.3	29.30	164.8	34.11	179.2	38.40	184.6	39.31	191.7	40.25	197.1	41.01
		308.0	139.8	24.67	151.3	28.82	164.8	33.55	179.2	37.78	184.6	38.67	191.7	39.61	197.1	40.36
		616.0	139.8	22.71	151.3	26.93	164.8	31.35	179.2	35.32	184.6	36.15	191.7	37.09	197.1	37.78
		770.0	139.8	22.08	151.3	26.37	164.8	30.71	179.2	34.63	184.6	35.50	191.7	36.40	197.1	36.77
		924.0	139.8	21.76	151.3	26.08	164.8	30.39	179.2	34.28	184.6	35.17	191.7	36.05	197.1	36.26
	35	246.4	132.8	26.57	143.9	30.89	156.6	35.96	170.2	40.51	175.3	41.48	182.2	42.49	187.3	43.26
		308.0	132.8	26.05	143.9	30.39	156.6	35.39	170.2	39.86	175.3	40.81	182.2	41.82	187.3	42.58
		616.0	132.8	23.97	143.9	28.43	156.6	33.11	170.2	37.28	175.3	38.16	182.2	39.15	187.3	39.86
		770.0	132.8	23.33	143.9	27.81	156.6	32.42	170.2	36.58	175.3	37.46	182.2	38.41	187.3	38.80
		924.0	132.8	23.01	143.9	27.50	156.6	32.08	170.2	36.22	175.3	37.10	182.2	38.04	187.3	38.26
	40	246.4	125.8	29.85	136.2	34.68	148.4	40.39	161.3	45.47	166.1	46.54	172.6	47.69	177.4	48.52
		308.0	125.8	29.25	136.2	34.12	148.4	39.74	161.3	44.73	166.1	45.79	172.6	46.92	177.4	47.75
		616.0	125.8	26.88	136.2	31.90	148.4	37.14	161.3	41.82	166.1	42.83	172.6	43.90	177.4	44.72
		770.0	125.8	26.16	136.2	31.21	148.4	36.38	161.3	41.00	166.1	42.01	172.6	43.09	177.4	43.53
		924.0	125.8	25.80	136.2	30.86	148.4	36.00	161.3	40.60	166.1	41.60	172.6	42.68	177.4	42.93
	45	246.4	118.7	33.12	128.6	38.47	140.1	44.82	152.3	50.42	156.9	51.60	163.1	52.88	167.5	53.77
		308.0	118.7	32.45	128.6	37.84	140.1	44.08	152.3	49.60	156.9	50.77	163.1	52.03	167.5	52.93
		616.0	118.7	29.79	128.6	35.36	140.1	41.17	152.3	46.36	156.9	47.49	163.1	48.65	167.5	49.57
		770.0	118.7	28.99	128.6	34.60	140.1	40.34	152.3	45.43	156.9	46.57	163.1	47.77	167.5	48.26
		924.0	118.7	28.58	128.6	34.22	140.1	39.93	152.3	44.97	156.9	46.10	163.1	47.32	167.5	47.61
90	10	246.4	125.8	8.60	136.2	9.99	148.4	11.66	161.3	13.19	166.1	13.43	172.6	13.72	177.4	14.11
		308.0	125.8	8.44	136.2	9.85	148.4	11.48	161.3	12.98	166.1	13.23	172.6	13.53	177.4	13.89
		616.0	125.8	7.80	136.2	9.26	148.4	10.77	161.3	12.16	166.1	12.42	172.6	12.79	177.4	12.98
		770.0	125.8	7.58	136.2	8.98	148.4	10.55	161.3	11.83	166.1	12.18	172.6	12.55	177.4	12.56
		924.0	125.8	7.46	136.2	8.84	148.4	10.44	161.3	11.67	166.1	12.06	172.6	12.43	177.4	12.35
	15	246.4	125.8	11.71	136.2	13.60	148.4	15.85	161.3	17.88	166.1	18.27	172.6	18.71	177.4	19.09
		308.0	125.8	11.48	136.2	13.38	148.4	15.59	161.3	17.59	166.1	17.98	172.6	18.42	177.4	18.79
		616.0	125.8	10.58	136.2	12.54	148.4	14.58	161.3	16.44	166.1	16.83	172.6	17.27	177.4	17.59
		770.0	125.8	10.28	136.2	12.24	148.4	14.31	161.3	16.09	166.1	16.51	172.6	16.96	177.4	17.09
		924.0	125.8	10.13	136.2	12.09	148.4	14.17	161.3	15.91	166.1	16.35	172.6	16.80	177.4	16.85
	20	246.4	125.8	14.47	136.2	16.80	148.4	19.57	161.3	22.05	166.1	22.56	172.6	23.14	177.4	23.52
		308.0	125.8	14.18	136.2	16.53	148.4	19.25	161.3	21.69	166.1	22.20	172.6	22.76	177.4	23.15
		616.0	125.8	13.05	136.2	15.45	148.4	17.98	161.3	20.25	166.1	20.75	172.6	21.26	177.4	21.69
		770.0	125.8	12.68	136.2	15.14	148.4	17.65	161.3	19.87	166.1	20.36	172.6	20.87	177.4	21.12
		924.0	125.8	12.49	136.2	14.98	148.4	17.48	161.3	19.67	166.1	20.17	172.6	20.68	177.4	20.84
	25	246.4	125.8	17.62	136.2	20.50	148.4	23.85	161.3	26.87	166.1	27.50	172.6	28.19	177.4	28.70
		308.0	125.8	17.27	136.2	20.17	148.4	23.47	161.3	26.44	166.1	27.06	172.6	27.75	177.4	28.24
		616.0	125.8	15.89	136.2	18.85	148.4	21.95	161.3	24.72	166.1	25.30	172.6	25.98	177.4	26.42
		770.0	125.8	15.45	136.2	18.42	148.4	21.51	161.3	24.23	166.1	24.85	172.6	25.48	177.4	25.73
		924.0	125.8	15.23	136.2	18.20	148.4	21.29	161.3	23.98	166.1	24.62	172.6	25.23	177.4	25.39
	30	246.4	125.8	21.68	136.2	25.21	148.4	29.35	161.3	33.07	166.1	33.83	172.6	34.68	177.4	35.31
		308.0	125.8	21.25	136.2	24.79	148.4	28.88	161.3	32.53	166.1	33.29	172.6	34.12	177.4	34.74
		616.0	125.8	19.55	136.2	23.15	148.4	27.00	161.3	30.39	166.1	31.15	172.6	31.91	177.4	32.49
		770.0	125.8	19.00	136.2	22.70	148.4	26.44	161.3	29.83	166.1	30.53	172.6	31.35	177.4	31.65
		924.0	125.8	18.72	136.2	22.47	148.4	26.15	161.3	29.54	166.1	30.22	172.6	31.06	177.4	31.23
	35	246.4	122.4	23.42	132.5	27.18	144.2	31.66	156.8	35.65	161.5	36.49	167.8	37.38	172.5	38.06
		308.0	122.4	22.94	132.5	26.74	144.2	31.15	156.8	35.07	161.5	35.90	167.8	36.78	172.5	37.46
		616.0	122.4	21.07	132.5	24.99	144.2	29.14	156.8	32.80	161.5	33.57	167.8	34.44	172.5	35.07
		770.0	122.4	20.50	132.5	24.48	144.2	28.52	156.8	32.16	161.5	32.97	167.8	33.80	172.5	34.13
		924.0	122.4	20.22	132.5	24.22	144.2	28.21	156.8	31.84	161.5	32.68	167.8	33.48	172.5	33.66
	40	246.4	118.8	26.89	128.7	31.22	140.1	36.36	152.3	40.97	156.9	41.93	163.0	42.94	167.6	43.71
		308.0	118.8	26.35	128.7	30.71	140.1	35.78	152.3	40.30	156.9	41.25	163.0	42.26	167.6	43.02
		616.0	118.8	24.23	128.7	28.71	140.1	33.48	152.3	37.67	156.9	38.59	163.0	39.56	167.6	40.30
		770.0	118.8	23.54	128.7	28.12	140.1	32.80	152.3	36.95	156.9	37.84	163.0	38.84	167.6	39.22
		924.0	118.8	23.19	128.7	27.82	140.1	32.45	152.3	36.59	156.9	37.47	163.0	38.48	167.6	38.68

Notes:

TC: Total Capacity(kW)　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	246.4	115.3	30.36	125.0	35.25	136.0	41.05	147.8	46.28	152.4	47.36	158.2	48.51	162.7	49.35
		308.0	115.3	29.76	125.0	34.69	136.0	40.40	147.8	45.53	152.4	46.61	158.2	47.74	162.7	48.58
		616.0	115.3	27.39	125.0	32.44	136.0	37.83	147.8	42.54	152.4	43.61	158.2	44.68	162.7	45.53
		770.0	115.3	26.57	125.0	31.76	136.0	37.07	147.8	41.73	152.4	42.72	158.2	43.87	162.7	44.31
		924.0	115.3	26.17	125.0	31.42	136.0	36.69	147.8	41.33	152.4	42.27	158.2	43.47	162.7	43.70
80	10	246.4	111.8	7.30	121.1	8.38	131.9	9.75	143.3	11.09	147.7	11.28	153.4	11.60	157.7	11.72
		308.0	111.8	7.14	121.1	8.27	131.9	9.61	143.3	10.90	147.7	11.11	153.4	11.40	157.7	11.54
		616.0	111.8	6.52	121.1	7.81	131.9	9.04	143.3	10.14	147.7	10.42	153.4	10.61	157.7	10.81
		770.0	111.8	6.42	121.1	7.58	131.9	8.87	143.3	9.97	147.7	10.16	153.4	10.46	157.7	10.55
		924.0	111.8	6.37	121.1	7.46	131.9	8.78	143.3	9.88	147.7	10.04	153.4	10.38	157.7	10.42
	15	246.4	111.8	9.85	121.1	11.41	131.9	13.28	143.3	15.00	147.7	15.32	153.4	15.71	157.7	15.97
		308.0	111.8	9.64	121.1	11.23	131.9	13.07	143.3	14.75	147.7	15.08	153.4	15.45	157.7	15.72
		616.0	111.8	8.84	121.1	10.53	131.9	12.24	143.3	13.76	147.7	14.11	153.4	14.45	157.7	14.71
		770.0	111.8	8.64	121.1	10.28	131.9	11.99	143.3	13.51	147.7	13.83	153.4	14.20	157.7	14.32
		924.0	111.8	8.53	121.1	10.15	131.9	11.87	143.3	13.38	147.7	13.68	153.4	14.07	157.7	14.13
	20	246.4	111.8	12.11	121.1	14.10	131.9	16.41	143.3	18.47	147.7	18.92	153.4	19.36	157.7	19.74
		308.0	111.8	11.87	121.1	13.87	131.9	16.14	143.3	18.17	147.7	18.61	153.4	19.05	157.7	19.43
		616.0	111.8	10.91	121.1	12.94	131.9	15.08	143.3	16.97	147.7	17.40	153.4	17.85	157.7	18.17
		770.0	111.8	10.61	121.1	12.68	131.9	14.76	143.3	16.65	147.7	17.08	153.4	17.52	157.7	17.67
		924.0	111.8	10.46	121.1	12.55	131.9	14.60	143.3	16.49	147.7	16.92	153.4	17.35	157.7	17.43
	25	246.4	111.8	14.80	121.1	17.18	131.9	19.99	143.3	22.50	147.7	23.07	153.4	23.64	157.7	24.05
		308.0	111.8	14.50	121.1	16.90	131.9	19.67	143.3	22.14	147.7	22.70	153.4	23.26	157.7	23.66
		616.0	111.8	13.31	121.1	15.78	131.9	18.40	143.3	20.74	147.7	21.21	153.4	21.76	157.7	22.14
		770.0	111.8	12.94	121.1	15.45	131.9	18.03	143.3	20.31	147.7	20.82	153.4	21.37	157.7	21.56
		924.0	111.8	12.76	121.1	15.29	131.9	17.85	143.3	20.09	147.7	20.63	153.4	21.18	157.7	21.27
	30	246.4	111.8	18.15	121.1	21.10	131.9	24.61	143.3	27.70	147.7	28.33	153.4	29.03	157.7	29.60
		308.0	111.8	17.80	121.1	20.77	131.9	24.21	143.3	27.25	147.7	27.88	153.4	28.57	157.7	29.12
		616.0	111.8	16.39	121.1	19.43	131.9	22.64	143.3	25.48	147.7	26.10	153.4	26.75	157.7	27.25
		770.0	111.8	15.95	121.1	19.00	131.9	22.14	143.3	24.99	147.7	25.61	153.4	26.24	157.7	26.54
		924.0	111.8	15.73	121.1	18.79	131.9	21.90	143.3	24.74	147.7	25.36	153.4	25.99	157.7	26.19
	35	246.4	111.8	20.20	121.1	23.46	131.9	27.31	143.3	30.78	147.7	31.54	153.4	32.31	157.7	32.88
		308.0	111.8	19.80	121.1	23.08	131.9	26.88	143.3	30.28	147.7	31.03	153.4	31.79	157.7	32.35
		616.0	111.8	18.23	121.1	21.58	131.9	25.17	143.3	28.33	147.7	29.00	153.4	29.72	157.7	30.27
		770.0	111.8	17.71	121.1	21.12	131.9	24.65	143.3	27.76	147.7	28.45	153.4	29.19	157.7	29.46
		924.0	111.8	17.46	121.1	20.89	131.9	24.40	143.3	27.48	147.7	28.17	153.4	28.93	157.7	29.05
	40	246.4	111.8	23.93	121.1	27.81	131.9	32.38	143.3	36.47	147.7	37.32	153.4	38.25	157.7	38.91
		308.0	111.8	23.45	121.1	27.36	131.9	31.86	143.3	35.89	147.7	36.71	153.4	37.64	157.7	38.29
		616.0	111.8	21.56	121.1	25.55	131.9	29.77	143.3	33.55	147.7	34.31	153.4	35.20	157.7	35.83
		770.0	111.8	20.94	121.1	25.03	131.9	29.15	143.3	32.86	147.7	33.68	153.4	34.56	157.7	34.89
		924.0	111.8	20.63	121.1	24.76	131.9	28.84	143.3	32.52	147.7	33.36	153.4	34.24	157.7	34.42
	45	246.4	111.8	27.67	121.1	32.17	131.9	37.46	143.3	42.17	147.7	43.10	153.4	44.20	157.7	44.93
		308.0	111.8	27.11	121.1	31.63	131.9	36.84	143.3	41.49	147.7	42.40	153.4	43.49	157.7	44.22
		616.0	111.8	24.90	121.1	29.53	131.9	34.38	143.3	38.78	147.7	39.63	153.4	40.67	157.7	41.39
		770.0	111.8	24.17	121.1	28.93	131.9	33.65	143.3	37.97	147.7	38.91	153.4	39.93	157.7	40.33
		924.0	111.8	23.81	121.1	28.63	131.9	33.29	143.3	37.56	147.7	38.55	153.4	39.56	157.7	39.80
70	10	246.4	97.9	5.98	105.9	6.99	115.4	8.10	125.4	9.13	129.1	9.42	134.2	9.65	137.9	9.75
		308.0	97.9	5.88	105.9	6.87	115.4	7.97	125.4	9.00	129.1	9.26	134.2	9.50	137.9	9.61
		616.0	97.9	5.44	105.9	6.41	115.4	7.45	125.4	8.47	129.1	8.67	134.2	8.91	137.9	9.04
		770.0	97.9	5.31	105.9	6.26	115.4	7.34	125.4	8.27	129.1	8.45	134.2	8.68	137.9	8.80
		924.0	97.9	5.24	105.9	6.19	115.4	7.28	125.4	8.17	129.1	8.34	134.2	8.56	137.9	8.68
	15	246.4	97.9	8.16	105.9	9.50	115.4	11.04	125.4	12.43	129.1	12.75	134.2	13.06	137.9	13.28
		308.0	97.9	8.00	105.9	9.34	115.4	10.86	125.4	12.24	129.1	12.54	134.2	12.86	137.9	13.07
		616.0	97.9	7.37	105.9	8.72	115.4	10.15	125.4	11.46	129.1	11.73	134.2	12.04	137.9	12.24
		770.0	97.9	7.17	105.9	8.53	115.4	9.96	125.4	11.23	129.1	11.49	134.2	11.80	137.9	11.92
		924.0	97.9	7.08	105.9	8.43	115.4	9.86	125.4	11.11	129.1	11.38	134.2	11.67	137.9	11.76
	20	246.4	97.9	10.10	105.9	11.73	115.4	13.64	125.4	15.37	129.1	15.71	134.2	16.09	137.9	16.41
		308.0	97.9	9.89	105.9	11.53	115.4	13.42	125.4	15.12	129.1	15.45	134.2	15.84	137.9	16.14
		616.0	97.9	9.08	105.9	10.77	115.4	12.56	125.4	14.13	129.1	14.45	134.2	14.83	137.9	15.08
		770.0	97.9	8.83	105.9	10.54	115.4	12.29	125.4	13.87	129.1	14.20	134.2	14.57	137.9	14.69
		924.0	97.9	8.71	105.9	10.42	115.4	12.16	125.4	13.73	129.1	14.07	134.2	14.44	137.9	14.50
	25	246.4	97.9	12.29	105.9	14.30	115.4	16.61	125.4	18.72	129.1	19.17	134.2	19.62	137.9	19.99
		308.0	97.9	12.04	105.9	14.06	115.4	16.35	125.4	18.42	129.1	18.86	134.2	19.32	137.9	19.67
		616.0	97.9	11.09	105.9	13.12	115.4	15.31	125.4	17.22	129.1	17.65	134.2	18.10	137.9	18.42
		770.0	97.9	10.77	105.9	12.86	115.4	15.00	125.4	16.90	129.1	17.29	134.2	17.73	137.9	17.92
		924.0	97.9	10.62	105.9	12.73	115.4	14.84	125.4	16.74	129.1	17.11	134.2	17.54	137.9	17.67

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.

2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	246.4	97.9	15.12	105.9	17.56	115.4	20.45	125.4	23.02	129.1	23.59	134.2	24.16	137.9	24.61
		308.0	97.9	14.82	105.9	17.27	115.4	20.12	125.4	22.66	129.1	23.21	134.2	23.77	137.9	24.21
		616.0	97.9	13.62	105.9	16.14	115.4	18.81	125.4	21.19	129.1	21.70	134.2	22.25	137.9	22.64
		770.0	97.9	13.25	105.9	15.82	115.4	18.42	125.4	20.77	129.1	21.30	134.2	21.83	137.9	22.08
		924.0	97.9	13.06	105.9	15.67	115.4	18.22	125.4	20.55	129.1	21.10	134.2	21.61	137.9	21.79
	35	246.4	97.9	16.79	105.9	19.48	115.4	22.75	125.4	25.58	129.1	26.21	134.2	26.85	137.9	27.31
		308.0	97.9	16.46	105.9	19.18	115.4	22.38	125.4	25.17	129.1	25.79	134.2	26.42	137.9	26.88
		616.0	97.9	15.14	105.9	17.96	115.4	20.89	125.4	23.54	129.1	24.10	134.2	24.72	137.9	25.17
		770.0	97.9	14.71	105.9	17.55	115.4	20.49	125.4	23.08	129.1	23.65	134.2	24.27	137.9	24.53
		924.0	97.9	14.49	105.9	17.34	115.4	20.29	125.4	22.85	129.1	23.42	134.2	24.04	137.9	24.21
	40	246.4	97.9	19.89	105.9	23.08	115.4	26.92	125.4	30.32	129.1	31.03	134.2	31.79	137.9	32.35
		308.0	97.9	19.50	105.9	22.71	115.4	26.49	125.4	29.83	129.1	30.53	134.2	31.28	137.9	31.84
		616.0	97.9	17.92	105.9	21.26	115.4	24.78	125.4	27.88	129.1	28.56	134.2	29.26	137.9	29.83
		770.0	97.9	17.41	105.9	20.81	115.4	24.23	125.4	27.32	129.1	28.01	134.2	28.75	137.9	29.01
		924.0	97.9	17.16	105.9	20.58	115.4	23.95	125.4	27.03	129.1	27.73	134.2	28.50	137.9	28.61
	45	246.4	97.9	22.99	105.9	26.67	115.4	31.09	125.4	35.06	129.1	35.85	134.2	36.72	137.9	37.39
		308.0	97.9	22.53	105.9	26.24	115.4	30.60	125.4	34.49	129.1	35.28	134.2	36.13	137.9	36.81
		616.0	97.9	20.71	105.9	24.56	115.4	28.67	125.4	32.23	129.1	33.01	134.2	33.80	137.9	34.49
		770.0	97.9	20.12	105.9	24.06	115.4	27.97	125.4	31.55	129.1	32.37	134.2	33.24	137.9	33.50
		924.0	97.9	19.82	105.9	23.81	115.4	27.62	125.4	31.22	129.1	32.04	134.2	32.95	137.9	33.00
60	10	246.4	83.9	4.78	90.8	5.54	98.9	6.43	107.5	7.33	110.8	7.52	115.1	7.63	118.3	7.79
		308.0	83.9	4.68	90.8	5.45	98.9	6.34	107.5	7.21	110.8	7.39	115.1	7.52	118.3	7.67
		616.0	83.9	4.31	90.8	5.09	98.9	6.00	107.5	6.71	110.8	6.87	115.1	7.09	118.3	7.21
		770.0	83.9	4.15	90.8	5.05	98.9	5.88	107.5	6.61	110.8	6.76	115.1	6.91	118.3	7.04
		924.0	83.9	4.07	90.8	5.02	98.9	5.82	107.5	6.56	110.8	6.70	115.1	6.82	118.3	6.95
	15	246.4	83.9	6.50	90.8	7.56	98.9	8.78	107.5	9.93	110.8	10.19	115.1	10.38	118.3	10.58
		308.0	83.9	6.37	90.8	7.44	98.9	8.65	107.5	9.77	110.8	10.02	115.1	10.22	118.3	10.42
		616.0	83.9	5.86	90.8	6.94	98.9	8.13	107.5	9.13	110.8	9.34	115.1	9.59	118.3	9.77
		770.0	83.9	5.68	90.8	6.82	98.9	7.95	107.5	8.95	110.8	9.16	115.1	9.40	118.3	9.52
		924.0	83.9	5.60	90.8	6.75	98.9	7.86	107.5	8.86	110.8	9.07	115.1	9.30	118.3	9.40
	20	246.4	83.9	8.04	90.8	9.36	98.9	10.88	107.5	12.24	110.8	12.55	115.1	12.83	118.3	13.06
		308.0	83.9	7.88	90.8	9.20	98.9	10.71	107.5	12.04	110.8	12.35	115.1	12.62	118.3	12.86
		616.0	83.9	7.24	90.8	8.58	98.9	10.02	107.5	11.29	110.8	11.53	115.1	11.81	118.3	12.04
		770.0	83.9	7.05	90.8	8.39	98.9	9.78	107.5	11.04	110.8	11.30	115.1	11.60	118.3	11.73
		924.0	83.9	6.95	90.8	8.29	98.9	9.67	107.5	10.91	110.8	11.18	115.1	11.50	118.3	11.57
	25	246.4	83.9	9.78	90.8	11.40	98.9	13.27	107.5	14.93	110.8	15.27	115.1	15.64	118.3	15.95
		308.0	83.9	9.59	90.8	11.22	98.9	13.05	107.5	14.69	110.8	15.03	115.1	15.40	118.3	15.70
		616.0	83.9	8.83	90.8	10.47	98.9	12.18	107.5	13.74	110.8	14.06	115.1	14.43	118.3	14.69
		770.0	83.9	8.58	90.8	10.22	98.9	11.94	107.5	13.44	110.8	13.81	115.1	14.14	118.3	14.31
		924.0	83.9	8.46	90.8	10.10	98.9	11.81	107.5	13.29	110.8	13.69	115.1	14.00	118.3	14.11
	30	246.4	83.9	12.03	90.8	13.98	98.9	16.29	107.5	18.34	110.8	18.79	115.1	19.23	118.3	19.62
		308.0	83.9	11.80	90.8	13.76	98.9	16.03	107.5	18.05	110.8	18.49	115.1	18.93	118.3	19.30
		616.0	83.9	10.86	90.8	12.87	98.9	15.01	107.5	16.90	110.8	17.29	115.1	17.73	118.3	18.05
		770.0	83.9	10.54	90.8	12.61	98.9	14.69	107.5	16.58	110.8	16.97	115.1	17.41	118.3	17.59
		924.0	83.9	10.38	90.8	12.48	98.9	14.53	107.5	16.42	110.8	16.81	115.1	17.25	118.3	17.36
	35	246.4	83.9	13.39	90.8	15.57	98.9	18.14	107.5	20.38	110.8	20.89	115.1	21.42	118.3	21.79
		308.0	83.9	13.12	90.8	15.31	98.9	17.84	107.5	20.06	110.8	20.56	115.1	21.07	118.3	21.44
		616.0	83.9	12.06	90.8	14.31	98.9	16.65	107.5	18.79	110.8	19.23	115.1	19.69	118.3	20.06
		770.0	83.9	11.73	90.8	14.00	98.9	16.34	107.5	18.40	110.8	18.86	115.1	19.36	118.3	19.55
		924.0	83.9	11.56	90.8	13.85	98.9	16.18	107.5	18.21	110.8	18.67	115.1	19.19	118.3	19.29
	40	246.4	83.9	15.83	90.8	18.41	98.9	21.47	107.5	24.17	110.8	24.73	115.1	25.32	118.3	25.83
		308.0	83.9	15.52	90.8	18.12	98.9	21.12	107.5	23.77	110.8	24.34	115.1	24.92	118.3	25.41
		616.0	83.9	14.31	90.8	16.96	98.9	19.74	107.5	22.21	110.8	22.76	115.1	23.33	118.3	23.77
		770.0	83.9	13.88	90.8	16.58	98.9	19.36	107.5	21.77	110.8	22.32	115.1	22.90	118.3	23.14
		924.0	83.9	13.67	90.8	16.40	98.9	19.16	107.5	21.55	110.8	22.10	115.1	22.69	118.3	22.82
	45	246.4	83.9	18.27	90.8	21.25	98.9	24.80	107.5	27.95	110.8	28.58	115.1	29.22	118.3	29.87
		308.0	83.9	17.92	90.8	20.92	98.9	24.41	107.5	27.48	110.8	28.12	115.1	28.77	118.3	29.39
		616.0	83.9	16.55	90.8	19.60	98.9	22.83	107.5	25.64	110.8	26.30	115.1	26.97	118.3	27.48
		770.0	83.9	16.03	90.8	19.16	98.9	22.38	107.5	25.14	110.8	25.79	115.1	26.45	118.3	26.72
		924.0	83.9	15.77	90.8	18.94	98.9	22.15	107.5	24.89	110.8	25.53	115.1	26.19	118.3	26.34
50	10	246.4	69.9	3.57	75.7	4.11	82.4	4.91	89.7	5.40	92.3	5.55	95.8	5.73	98.5	5.82
		308.0	69.9	3.49	75.7	4.06	82.4	4.82	89.7	5.33	92.3	5.48	95.8	5.63	98.5	5.72
		616.0	69.9	3.18	75.7	3.82	82.4	4.49	89.7	5.05	92.3	5.21	95.8	5.22	98.5	5.33
		770.0	69.9	3.10	75.7	3.82	82.4	4.38	89.7	4.91	92.3	4.99	95.8	5.16	98.5	5.19
		924.0	69.9	3.06	75.7	3.81	82.4	4.33	89.7	4.84	92.3	4.87	95.8	5.13	98.5	5.11

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	246.4	69.9	4.84	75.7	5.64	82.4	6.59	89.7	7.37	92.3	7.57	95.8	7.75	98.5	7.90
		308.0	69.9	4.75	75.7	5.55	82.4	6.48	89.7	7.26	92.3	7.45	95.8	7.63	98.5	7.77
		616.0	69.9	4.36	75.7	5.17	82.4	6.06	89.7	6.82	92.3	6.99	95.8	7.13	98.5	7.26
		770.0	69.9	4.24	75.7	5.10	82.4	5.93	89.7	6.68	92.3	6.82	95.8	7.01	98.5	7.08
		924.0	69.9	4.17	75.7	5.07	82.4	5.87	89.7	6.61	92.3	6.73	95.8	6.95	98.5	6.99
	20	246.4	69.9	5.98	75.7	7.00	82.4	8.09	89.7	9.12	92.3	9.36	95.8	9.56	98.5	9.75
		308.0	69.9	5.86	75.7	6.87	82.4	7.96	89.7	8.97	92.3	9.20	95.8	9.41	98.5	9.59
		616.0	69.9	5.41	75.7	6.37	82.4	7.45	89.7	8.39	92.3	8.58	95.8	8.83	98.5	8.97
		770.0	69.9	5.24	75.7	6.25	82.4	7.31	89.7	8.25	92.3	8.44	95.8	8.65	98.5	8.76
		924.0	69.9	5.16	75.7	6.19	82.4	7.24	89.7	8.18	92.3	8.37	95.8	8.56	98.5	8.66
	25	246.4	69.9	7.28	75.7	8.47	82.4	9.87	89.7	11.16	92.3	11.40	95.8	11.67	98.5	11.85
		308.0	69.9	7.13	75.7	8.33	82.4	9.71	89.7	10.97	92.3	11.22	95.8	11.48	98.5	11.67
		616.0	69.9	6.57	75.7	7.81	82.4	9.09	89.7	10.22	92.3	10.47	95.8	10.73	98.5	10.97
		770.0	69.9	6.37	75.7	7.63	82.4	8.90	89.7	10.03	92.3	10.28	95.8	10.54	98.5	10.67
		924.0	69.9	6.28	75.7	7.54	82.4	8.80	89.7	9.93	92.3	10.18	95.8	10.44	98.5	10.51
	30	246.4	69.9	9.00	75.7	10.45	82.4	12.18	89.7	13.72	92.3	14.05	95.8	14.35	98.5	14.61
		308.0	69.9	8.82	75.7	10.28	82.4	11.98	89.7	13.49	92.3	13.81	95.8	14.13	98.5	14.38
		616.0	69.9	8.09	75.7	9.59	82.4	11.18	89.7	12.61	92.3	12.87	95.8	13.25	98.5	13.44
		770.0	69.9	7.88	75.7	9.40	82.4	10.97	89.7	12.36	92.3	12.66	95.8	12.98	98.5	13.12
		924.0	69.9	7.77	75.7	9.30	82.4	10.86	89.7	12.24	92.3	12.56	95.8	12.85	98.5	12.96
	35	246.4	69.9	9.98	75.7	11.60	82.4	13.52	89.7	15.20	92.3	15.58	95.8	15.95	98.5	16.22
		308.0	69.9	9.78	75.7	11.41	82.4	13.30	89.7	14.96	92.3	15.33	95.8	15.70	98.5	15.96
		616.0	69.9	9.01	75.7	10.67	82.4	12.43	89.7	14.00	92.3	14.32	95.8	14.69	98.5	14.96
		770.0	69.9	8.76	75.7	10.46	82.4	12.17	89.7	13.74	92.3	14.06	95.8	14.43	98.5	14.57
		924.0	69.9	8.64	75.7	10.35	82.4	12.04	89.7	13.61	92.3	13.93	95.8	14.30	98.5	14.38
	40	246.4	69.9	11.84	75.7	13.73	82.4	16.02	89.7	18.02	92.3	18.46	95.8	18.90	98.5	19.24
		308.0	69.9	11.60	75.7	13.51	82.4	15.76	89.7	17.73	92.3	18.16	95.8	18.60	98.5	18.93
		616.0	69.9	10.65	75.7	12.62	82.4	14.71	89.7	16.58	92.3	16.97	95.8	17.41	98.5	17.71
		770.0	69.9	10.35	75.7	12.36	82.4	14.43	89.7	16.27	92.3	16.65	95.8	17.08	98.5	17.23
		924.0	69.9	10.20	75.7	12.23	82.4	14.29	89.7	16.11	92.3	16.49	95.8	16.91	98.5	16.99
	45	246.4	69.9	13.71	75.7	15.86	82.4	18.52	89.7	20.84	92.3	21.33	95.8	21.84	98.5	22.26
		308.0	69.9	13.42	75.7	15.61	82.4	18.21	89.7	20.50	92.3	20.98	95.8	21.49	98.5	21.90
		616.0	69.9	12.29	75.7	14.58	82.4	16.99	89.7	19.16	92.3	19.62	95.8	20.13	98.5	20.47
		770.0	69.9	11.94	75.7	14.27	82.4	16.69	89.7	18.79	92.3	19.25	95.8	19.73	98.5	19.90
		924.0	69.9	11.76	75.7	14.11	82.4	16.55	89.7	18.60	92.3	19.06	95.8	19.53	98.5	19.61

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(66HP)

ARWN660LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	254.0	171.8	12.33	186.1	14.42	202.5	16.81	220.1	18.87	226.8	19.30	235.6	19.88	242.2	20.19
		317.5	171.8	12.11	186.1	14.17	202.5	16.53	220.1	18.56	226.8	19.01	235.6	19.55	242.2	19.88
		635.0	171.8	11.21	186.1	13.20	202.5	15.40	220.1	17.36	226.8	17.85	235.6	18.26	242.2	18.66
		793.8	171.8	10.87	186.1	12.96	202.5	15.13	220.1	16.98	226.8	17.47	235.6	17.91	242.2	18.19
		952.5	171.8	10.70	186.1	12.85	202.5	14.99	220.1	16.79	226.8	17.28	235.6	17.74	242.2	17.95
	15	254.0	169.0	16.24	183.0	18.92	199.3	22.05	216.6	24.78	223.2	25.37	231.8	26.03	238.3	26.47
		317.5	169.0	15.93	183.0	18.61	199.3	21.69	216.6	24.39	223.2	24.97	231.8	25.62	238.3	26.08
		635.0	169.0	14.68	183.0	17.38	199.3	20.26	216.6	22.81	223.2	23.40	231.8	24.00	238.3	24.50
		793.8	169.0	14.28	183.0	17.03	199.3	19.86	216.6	22.35	223.2	22.94	231.8	23.53	238.3	23.93
		952.5	169.0	14.08	183.0	16.86	199.3	19.65	216.6	22.12	223.2	22.71	231.8	23.29	238.3	23.64
	20	254.0	166.5	19.72	180.3	22.92	196.4	26.71	213.5	30.04	219.9	30.77	228.4	31.49	234.9	32.06
		317.5	166.5	19.32	180.3	22.55	196.4	26.28	213.5	29.56	219.9	30.28	228.4	31.01	234.9	31.58
		635.0	166.5	17.76	180.3	21.09	196.4	24.57	213.5	27.65	219.9	28.33	228.4	29.10	234.9	29.69
		793.8	166.5	17.30	180.3	20.64	196.4	24.06	213.5	27.12	219.9	27.80	228.4	28.52	234.9	29.03
		952.5	166.5	17.07	180.3	20.42	196.4	23.80	213.5	26.86	219.9	27.53	228.4	28.22	234.9	28.70
	25	254.0	166.5	24.34	180.3	28.25	196.4	32.92	213.5	37.11	219.9	37.95	228.4	38.88	234.9	39.53
		317.5	166.5	23.86	180.3	27.80	196.4	32.39	213.5	36.50	219.9	37.34	228.4	38.28	234.9	38.94
		635.0	166.5	21.95	180.3	26.00	196.4	30.28	213.5	34.09	219.9	34.94	228.4	35.90	234.9	36.59
		793.8	166.5	21.30	180.3	25.43	196.4	29.67	213.5	33.43	219.9	34.29	228.4	35.20	234.9	35.78
		952.5	166.5	20.98	180.3	25.15	196.4	29.37	213.5	33.10	219.9	33.97	228.4	34.84	234.9	35.38
	30	254.0	166.5	29.22	180.3	33.91	196.4	39.50	213.5	44.51	219.9	45.56	228.4	46.66	234.9	47.45
		317.5	166.5	28.63	180.3	33.36	196.4	38.87	213.5	43.78	219.9	44.83	228.4	45.93	234.9	46.74
		635.0	166.5	26.29	180.3	31.20	196.4	36.35	213.5	40.90	219.9	41.95	228.4	43.05	234.9	43.91
		793.8	166.5	25.56	180.3	30.54	196.4	35.60	213.5	40.11	219.9	41.16	228.4	42.21	234.9	42.92
		952.5	166.5	25.19	180.3	30.20	196.4	35.22	213.5	39.72	219.9	40.76	228.4	41.78	234.9	42.42
	35	254.0	149.9	29.50	162.3	34.30	176.7	39.97	192.1	44.96	197.9	46.09	205.6	47.18	211.4	47.96
		317.5	149.9	28.92	162.3	33.75	176.7	39.32	192.1	44.24	197.9	45.34	205.6	46.45	211.4	47.25
		635.0	149.9	26.61	162.3	31.54	176.7	36.76	192.1	41.40	197.9	42.41	205.6	43.53	211.4	44.43
		793.8	149.9	25.88	162.3	30.87	176.7	35.98	192.1	40.57	197.9	41.62	205.6	42.68	211.4	43.40
		952.5	149.9	25.51	162.3	30.53	176.7	35.60	192.1	40.16	197.9	41.22	205.6	42.26	211.4	42.88
	40	254.0	133.2	31.16	144.3	36.16	157.1	42.15	170.8	47.44	175.9	48.55	182.7	49.72	187.9	50.64
		317.5	133.2	30.54	144.3	35.58	157.1	41.47	170.8	46.68	175.9	47.78	182.7	48.96	187.9	49.88
		635.0	133.2	28.06	144.3	33.29	157.1	38.79	170.8	43.65	175.9	44.76	182.7	45.93	187.9	46.85
		793.8	133.2	27.27	144.3	32.57	157.1	37.95	170.8	42.79	175.9	43.91	182.7	45.03	187.9	45.80
		952.5	133.2	26.87	144.3	32.21	157.1	37.52	170.8	42.36	175.9	43.49	182.7	44.58	187.9	45.28
	45	254.0	116.4	32.82	126.3	38.02	137.4	44.33	149.4	49.93	154.0	51.01	159.8	52.26	164.4	53.31
		317.5	116.4	32.15	126.3	37.42	137.4	43.62	149.4	49.12	154.0	50.22	159.8	51.47	164.4	52.50
		635.0	116.4	29.51	126.3	35.03	137.4	40.83	149.4	45.91	154.0	47.11	159.8	48.34	164.4	49.27
		793.8	116.4	28.66	126.3	34.28	137.4	39.91	149.4	45.01	154.0	46.21	159.8	47.38	164.4	48.21
		952.5	116.4	28.24	126.3	33.90	137.4	39.45	149.4	44.57	154.0	45.75	159.8	46.90	164.4	47.68
120	10	254.0	162.6	11.75	176.0	13.69	191.8	15.86	208.3	17.89	214.6	18.38	223.1	18.83	229.2	19.10
		317.5	162.6	11.51	176.0	13.46	191.8	15.62	208.3	17.60	214.6	18.07	223.1	18.51	229.2	18.81
		635.0	162.6	10.55	176.0	12.58	191.8	14.67	208.3	16.43	214.6	16.84	223.1	17.28	229.2	17.66
		793.8	162.6	10.25	176.0	12.21	191.8	14.33	208.3	16.09	214.6	16.56	223.1	16.98	229.2	17.27
		952.5	162.6	10.09	176.0	12.03	191.8	14.16	208.3	15.92	214.6	16.42	223.1	16.83	229.2	17.08
	15	254.0	160.7	15.58	174.0	18.12	189.6	21.05	206.0	23.72	212.2	24.31	220.5	24.89	226.6	25.30
		317.5	160.7	15.27	174.0	17.82	189.6	20.72	206.0	23.34	212.2	23.91	220.5	24.50	226.6	24.92
		635.0	160.7	14.02	174.0	16.64	189.6	19.40	206.0	21.82	212.2	22.35	220.5	22.94	226.6	23.40
		793.8	160.7	13.63	174.0	16.26	189.6	18.99	206.0	21.38	212.2	21.95	220.5	22.50	226.6	22.87
		952.5	160.7	13.44	174.0	16.06	189.6	18.79	206.0	21.15	212.2	21.75	220.5	22.27	226.6	22.60
	20	254.0	159.0	18.99	172.3	22.05	187.7	25.66	203.9	28.91	210.1	29.57	218.1	30.29	224.3	30.82
		317.5	159.0	18.61	172.3	21.69	187.7	25.25	203.9	28.44	210.1	29.10	218.1	29.82	224.3	30.35
		635.0	159.0	17.10	172.3	20.26	187.7	23.60	203.9	26.61	210.1	27.25	218.1	27.97	224.3	28.50
		793.8	159.0	16.64	172.3	19.86	187.7	23.14	203.9	26.08	210.1	26.74	218.1	27.40	224.3	27.84
		952.5	159.0	16.41	172.3	19.65	187.7	22.91	203.9	25.81	210.1	26.48	218.1	27.11	224.3	27.51
	25	254.0	159.0	23.33	172.3	27.11	187.7	31.56	203.9	35.50	210.1	36.36	218.1	37.27	224.3	37.92
		317.5	159.0	22.87	172.3	26.66	187.7	31.05	203.9	34.94	210.1	35.78	218.1	36.68	224.3	37.34
		635.0	159.0	21.03	172.3	24.90	187.7	29.03	203.9	32.70	210.1	33.49	218.1	34.35	224.3	35.05
		793.8	159.0	20.44	172.3	24.39	187.7	28.44	203.9	32.04	210.1	32.85	218.1	33.69	224.3	34.21
		952.5	159.0	20.15	172.3	24.13	187.7	28.15	203.9	31.71	210.1	32.52	218.1	33.36	224.3	33.78
	30	254.0	159.0	28.15	172.3	32.77	187.7	38.17	203.9	42.95	210.1	43.97	218.1	45.06	224.3	45.85
		317.5	159.0	27.60	172.3	32.24	187.7	37.55	203.9	42.26	210.1	43.27	218.1	44.35	224.3	45.14
		635.0	159.0	25.42	172.3	30.13	187.7	35.07	203.9	39.53	210.1	40.50	218.1	41.55	224.3	42.35
		793.8	159.0	24.70	172.3	29.49	187.7	34.35	203.9	38.74	210.1	39.73	218.1	40.76	224.3	41.36
		952.5	159.0	24.34	172.3	29.17	187.7	33.99	203.9	38.34	210.1	39.34	218.1	40.36	224.3	40.86

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	254.0	145.5	28.89	157.6	33.58	171.7	39.09	186.6	44.04	192.2	45.10	199.7	46.15	205.3	46.98
		317.5	145.5	28.31	157.6	33.03	171.7	38.46	186.6	43.32	192.2	44.37	199.7	45.43	205.3	46.26
		635.0	145.5	26.02	157.6	30.87	171.7	35.97	186.6	40.50	192.2	41.49	199.7	42.59	205.3	43.40
		793.8	145.5	25.30	157.6	30.22	171.7	35.25	186.6	39.71	192.2	40.72	199.7	41.75	205.3	42.39
		952.5	145.5	24.94	157.6	29.90	171.7	34.89	186.6	39.31	192.2	40.33	199.7	41.32	205.3	41.89
	40	254.0	132.0	31.09	143.0	36.10	155.7	42.10	169.3	47.37	174.4	48.50	181.2	49.68	186.2	50.58
		317.5	132.0	30.48	143.0	35.53	155.7	41.42	169.3	46.61	174.4	47.73	181.2	48.90	186.2	49.80
		635.0	132.0	28.04	143.0	33.23	155.7	38.72	169.3	43.58	174.4	44.64	181.2	45.82	186.2	46.72
		793.8	132.0	27.25	143.0	32.52	155.7	37.93	169.3	42.74	174.4	43.84	181.2	44.96	186.2	45.62
		952.5	132.0	26.86	143.0	32.16	155.7	37.54	169.3	42.31	174.4	43.44	181.2	44.53	186.2	45.06
	45	254.0	118.5	33.30	128.3	38.63	139.8	45.10	152.1	50.71	156.6	51.91	162.7	53.21	167.1	54.18
		317.5	118.5	32.64	128.3	38.02	139.8	44.37	152.1	49.89	156.6	51.08	162.7	52.37	167.1	53.34
		635.0	118.5	30.06	128.3	35.60	139.8	41.47	152.1	46.66	156.6	47.80	162.7	49.05	167.1	50.04
		793.8	118.5	29.20	128.3	34.81	139.8	40.61	152.1	45.76	156.6	46.96	162.7	48.17	167.1	48.85
		952.5	118.5	28.77	128.3	34.41	139.8	40.18	152.1	45.31	156.6	46.54	162.7	47.73	167.1	48.24
110	10	254.0	153.4	11.08	166.2	12.84	180.9	15.01	196.5	16.87	202.3	17.27	210.3	17.74	216.1	18.06
		317.5	153.4	10.86	166.2	12.64	180.9	14.77	196.5	16.60	202.3	17.01	210.3	17.46	216.1	17.77
		635.0	153.4	9.97	166.2	11.82	180.9	13.79	196.5	15.52	202.3	15.97	210.3	16.36	216.1	16.64
		793.8	153.4	9.71	166.2	11.58	180.9	13.47	196.5	15.28	202.3	15.57	210.3	16.04	216.1	16.21
		952.5	153.4	9.57	166.2	11.45	180.9	13.30	196.5	15.16	202.3	15.36	210.3	15.88	216.1	16.00
	15	254.0	152.4	14.85	165.1	17.25	179.8	20.11	195.4	22.64	201.2	23.17	209.1	23.76	214.9	24.18
		317.5	152.4	14.55	165.1	16.97	179.8	19.78	195.4	22.28	201.2	22.81	209.1	23.38	214.9	23.80
		635.0	152.4	13.38	165.1	15.87	179.8	18.50	195.4	20.83	201.2	21.36	209.1	21.89	214.9	22.29
		793.8	152.4	13.03	165.1	15.54	179.8	18.09	195.4	20.44	201.2	20.92	209.1	21.49	214.9	21.75
		952.5	152.4	12.86	165.1	15.38	179.8	17.89	195.4	20.25	201.2	20.70	209.1	21.29	214.9	21.47
	20	254.0	151.6	18.20	164.2	21.17	178.8	24.64	194.4	27.77	200.2	28.43	208.0	29.11	213.9	29.62
		317.5	151.6	17.84	164.2	20.83	178.8	24.24	194.4	27.32	200.2	27.97	208.0	28.64	213.9	29.16
		635.0	151.6	16.40	164.2	19.47	178.8	22.68	194.4	25.55	200.2	26.15	208.0	26.81	213.9	27.32
		793.8	151.6	15.98	164.2	19.07	178.8	22.21	194.4	25.03	200.2	25.67	208.0	26.33	213.9	26.66
		952.5	151.6	15.77	164.2	18.86	178.8	21.97	194.4	24.77	200.2	25.44	208.0	26.10	213.9	26.33
	25	254.0	151.6	22.27	164.2	25.91	178.8	30.17	194.4	33.98	200.2	34.77	208.0	35.63	213.9	36.28
		317.5	151.6	21.84	164.2	25.49	178.8	29.69	194.4	33.43	200.2	34.22	208.0	35.07	213.9	35.71
		635.0	151.6	20.11	164.2	23.84	178.8	27.78	194.4	31.27	200.2	32.04	208.0	32.85	213.9	33.47
		793.8	151.6	19.54	164.2	23.32	178.8	27.20	194.4	30.66	200.2	31.40	208.0	32.24	213.9	32.63
		952.5	151.6	19.25	164.2	23.07	178.8	26.90	194.4	30.36	200.2	31.07	208.0	31.94	213.9	32.20
	30	254.0	151.6	27.16	164.2	31.58	178.8	36.78	194.4	41.43	200.2	42.43	208.0	43.42	213.9	44.22
		317.5	151.6	26.62	164.2	31.07	178.8	36.19	194.4	40.76	200.2	41.75	208.0	42.74	213.9	43.53
		635.0	151.6	24.50	164.2	29.05	178.8	33.82	194.4	38.09	200.2	39.05	208.0	40.04	213.9	40.77
		793.8	151.6	23.84	164.2	28.44	178.8	33.16	194.4	37.36	200.2	38.28	208.0	39.27	213.9	39.78
		952.5	151.6	23.51	164.2	28.14	178.8	32.83	194.4	36.99	200.2	37.89	208.0	38.88	213.9	39.29
	35	254.0	141.3	28.27	153.0	32.85	166.6	38.23	181.1	43.09	186.5	44.09	193.8	45.16	199.2	45.99
		317.5	141.3	27.71	153.0	32.31	166.6	37.62	181.1	42.39	186.5	43.38	193.8	44.44	199.2	45.27
		635.0	141.3	25.49	153.0	30.21	166.6	35.20	181.1	39.64	186.5	40.57	193.8	41.62	199.2	42.41
		793.8	141.3	24.77	153.0	29.56	166.6	34.46	181.1	38.85	186.5	39.84	193.8	40.83	199.2	41.36
		952.5	141.3	24.41	153.0	29.24	166.6	34.10	181.1	38.45	186.5	39.47	193.8	40.43	199.2	40.84
	40	254.0	130.9	31.04	141.8	36.10	154.4	42.02	167.8	47.30	172.9	48.43	179.6	49.61	184.6	50.52
		317.5	130.9	30.42	141.8	35.51	154.4	41.34	167.8	46.54	172.9	47.65	179.6	48.83	184.6	49.73
		635.0	130.9	27.98	141.8	33.18	154.4	38.66	167.8	43.53	172.9	44.57	179.6	45.75	184.6	46.59
		793.8	130.9	27.20	141.8	32.46	154.4	37.88	167.8	42.66	172.9	43.77	179.6	44.89	184.6	45.42
		952.5	130.9	26.80	141.8	32.10	154.4	37.48	167.8	42.23	172.9	43.36	179.6	44.45	184.6	44.83
	45	254.0	120.5	33.81	130.6	39.35	142.1	45.81	154.6	51.51	159.2	52.78	165.3	54.06	169.9	55.05
		317.5	120.5	33.14	130.6	38.70	142.1	45.07	154.6	50.68	159.2	51.93	165.3	53.22	169.9	54.19
		635.0	120.5	30.48	130.6	36.15	142.1	42.13	154.6	47.41	159.2	48.57	165.3	49.88	169.9	50.78
		793.8	120.5	29.62	130.6	35.36	142.1	41.29	154.6	46.48	159.2	47.69	165.3	48.94	169.9	49.47
		952.5	120.5	29.19	130.6	34.96	142.1	40.86	154.6	46.01	159.2	47.25	165.3	48.47	169.9	48.82
100	10	254.0	144.1	10.49	156.1	12.18	170.0	14.07	184.8	15.96	190.4	16.24	197.7	16.73	203.3	17.01
		317.5	144.1	10.28	156.1	11.97	170.0	13.85	184.8	15.70	190.4	15.98	197.7	16.46	203.3	16.74
		635.0	144.1	9.45	156.1	11.17	170.0	12.97	184.8	14.68	190.4	14.99	197.7	15.36	203.3	15.66
		793.8	144.1	9.13	156.1	10.91	170.0	12.70	184.8	14.35	190.4	14.70	197.7	15.06	203.3	15.19
		952.5	144.1	8.96	156.1	10.77	170.0	12.57	184.8	14.19	190.4	14.56	197.7	14.90	203.3	14.96
	15	254.0	144.1	14.17	156.1	16.45	170.0	19.13	184.8	21.58	190.4	22.06	197.7	22.64	203.3	23.03
		317.5	144.1	13.89	156.1	16.19	170.0	18.83	184.8	21.23	190.4	21.71	197.7	22.28	203.3	22.66
		635.0	144.1	12.77	156.1	15.14	170.0	17.62	184.8	19.86	190.4	20.31	197.7	20.83	203.3	21.22
		793.8	144.1	12.39	156.1	14.81	170.0	17.25	184.8	19.45	190.4	19.93	197.7	20.44	203.3	20.64
		952.5	144.1	12.19	156.1	14.64	170.0	17.06	184.8	19.25	190.4	19.73	197.7	20.25	203.3	20.36

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	254.0	144.1	17.45	156.1	20.25	170.0	23.63	184.8	26.58	190.4	27.23	197.7	27.90	203.3	28.38
		317.5	144.1	17.10	156.1	19.93	170.0	23.25	184.8	26.15	190.4	26.79	197.7	27.45	203.3	27.93
		635.0	144.1	15.73	156.1	18.66	170.0	21.75	184.8	24.46	190.4	25.05	197.7	25.69	203.3	26.15
		793.8	144.1	15.28	156.1	18.28	170.0	21.29	184.8	23.98	190.4	24.57	197.7	25.23	203.3	25.49
		952.5	144.1	15.06	156.1	18.08	170.0	21.06	184.8	23.75	190.4	24.33	197.7	25.00	203.3	25.16
	25	254.0	144.1	21.26	156.1	24.71	170.0	28.80	184.8	32.44	190.4	33.22	197.7	34.04	203.3	34.62
		317.5	144.1	20.85	156.1	24.31	170.0	28.33	184.8	31.91	190.4	32.68	197.7	33.49	203.3	34.08
		635.0	144.1	19.20	156.1	22.74	170.0	26.48	184.8	29.82	190.4	30.55	197.7	31.32	203.3	31.91
		793.8	144.1	18.66	156.1	22.28	170.0	25.95	184.8	29.23	190.4	29.96	197.7	30.74	203.3	31.07
		952.5	144.1	18.40	156.1	22.05	170.0	25.68	184.8	28.94	190.4	29.67	197.7	30.44	203.3	30.64
	30	254.0	144.1	26.15	156.1	30.44	170.0	35.44	184.8	39.90	190.4	40.85	197.7	41.82	203.3	42.61
		317.5	144.1	25.63	156.1	29.95	170.0	34.87	184.8	39.25	190.4	40.19	197.7	41.16	203.3	41.93
		635.0	144.1	23.60	156.1	27.98	170.0	32.57	184.8	36.70	190.4	37.56	197.7	38.54	203.3	39.25
		793.8	144.1	22.94	156.1	27.40	170.0	31.91	184.8	35.98	190.4	36.89	197.7	37.82	203.3	38.21
		952.5	144.1	22.61	156.1	27.10	170.0	31.58	184.8	35.62	190.4	36.55	197.7	37.46	203.3	37.68
	35	254.0	137.0	27.61	148.4	32.10	161.5	37.37	175.6	42.09	180.8	43.10	187.9	44.15	193.1	44.95
		317.5	137.0	27.07	148.4	31.58	161.5	36.77	175.6	41.42	180.8	42.41	187.9	43.45	193.1	44.24
		635.0	137.0	24.90	148.4	29.55	161.5	34.41	175.6	38.74	180.8	39.65	187.9	40.68	193.1	41.42
		793.8	137.0	24.24	148.4	28.90	161.5	33.69	175.6	38.00	180.8	38.92	187.9	39.91	193.1	40.31
		952.5	137.0	23.91	148.4	28.58	161.5	33.33	175.6	37.64	180.8	38.55	187.9	39.52	193.1	39.76
	40	254.0	129.7	31.01	140.5	36.04	153.0	41.97	166.3	47.24	171.3	48.36	178.0	49.55	182.9	50.41
		317.5	129.7	30.39	140.5	35.45	153.0	41.29	166.3	46.48	171.3	47.58	178.0	48.76	182.9	49.62
		635.0	129.7	27.93	140.5	33.14	153.0	38.59	166.3	43.45	171.3	44.50	178.0	45.62	182.9	46.46
		793.8	129.7	27.18	140.5	32.43	153.0	37.80	166.3	42.61	171.3	43.65	178.0	44.77	182.9	45.23
		952.5	129.7	26.80	140.5	32.07	153.0	37.41	166.3	42.18	171.3	43.23	178.0	44.35	182.9	44.61
	45	254.0	122.4	34.41	132.6	39.98	144.5	46.57	157.1	52.39	161.9	53.62	168.2	54.95	172.7	55.87
		317.5	122.4	33.71	132.6	39.32	144.5	45.80	157.1	51.54	161.9	52.76	168.2	54.06	172.7	54.99
		635.0	122.4	30.95	132.6	36.74	144.5	42.78	157.1	48.17	161.9	49.34	168.2	50.55	172.7	51.51
		793.8	122.4	30.12	132.6	35.95	144.5	41.92	157.1	47.21	161.9	48.39	168.2	49.63	172.7	50.15
		952.5	122.4	29.70	132.6	35.56	144.5	41.48	157.1	46.73	161.9	47.91	168.2	49.17	172.7	49.47
90	10	254.0	129.7	8.93	140.5	10.38	153.0	12.11	166.3	13.70	171.3	13.96	178.0	14.26	182.9	14.66
		317.5	129.7	8.77	140.5	10.23	153.0	11.93	166.3	13.49	171.3	13.75	178.0	14.06	182.9	14.43
		635.0	129.7	8.11	140.5	9.63	153.0	11.19	166.3	12.63	171.3	12.91	178.0	13.28	182.9	13.49
		793.8	129.7	7.87	140.5	9.33	153.0	10.96	166.3	12.30	171.3	12.66	178.0	13.04	182.9	13.05
		952.5	129.7	7.76	140.5	9.18	153.0	10.85	166.3	12.13	171.3	12.53	178.0	12.91	182.9	12.84
	15	254.0	129.7	12.16	140.5	14.13	153.0	16.47	166.3	18.58	171.3	18.98	178.0	19.44	182.9	19.84
		317.5	129.7	11.93	140.5	13.91	153.0	16.20	166.3	18.28	171.3	18.68	178.0	19.14	182.9	19.53
		635.0	129.7	10.99	140.5	13.03	153.0	15.16	166.3	17.09	171.3	17.49	178.0	17.95	182.9	18.28
		793.8	129.7	10.68	140.5	12.72	153.0	14.87	166.3	16.72	171.3	17.16	178.0	17.62	182.9	17.76
		952.5	129.7	10.52	140.5	12.56	153.0	14.72	166.3	16.53	171.3	16.99	178.0	17.45	182.9	17.50
	20	254.0	129.7	15.03	140.5	17.46	153.0	20.33	166.3	22.91	171.3	23.45	178.0	24.05	182.9	24.44
		317.5	129.7	14.74	140.5	17.18	153.0	20.00	166.3	22.54	171.3	23.07	178.0	23.65	182.9	24.06
		635.0	129.7	13.56	140.5	16.06	153.0	18.68	166.3	21.05	171.3	21.56	178.0	22.09	182.9	22.54
		793.8	129.7	13.18	140.5	15.73	153.0	18.33	166.3	20.64	171.3	21.16	178.0	21.69	182.9	21.95
		952.5	129.7	12.98	140.5	15.56	153.0	18.16	166.3	20.44	171.3	20.96	178.0	21.49	182.9	21.65
	25	254.0	129.7	18.31	140.5	21.31	153.0	24.78	166.3	27.92	171.3	28.57	178.0	29.29	182.9	29.82
		317.5	129.7	17.95	140.5	20.96	153.0	24.39	166.3	27.47	171.3	28.11	178.0	28.83	182.9	29.34
		635.0	129.7	16.52	140.5	19.58	153.0	22.81	166.3	25.69	171.3	26.29	178.0	26.99	182.9	27.45
		793.8	129.7	16.06	140.5	19.14	153.0	22.35	166.3	25.18	171.3	25.82	178.0	26.48	182.9	26.74
		952.5	129.7	15.83	140.5	18.92	153.0	22.12	166.3	24.92	171.3	25.58	178.0	26.22	182.9	26.38
	30	254.0	129.7	22.52	140.5	26.19	153.0	30.50	166.3	34.36	171.3	35.15	178.0	36.03	182.9	36.69
		317.5	129.7	22.08	140.5	25.76	153.0	30.00	166.3	33.80	171.3	34.59	178.0	35.45	182.9	36.10
		635.0	129.7	20.31	140.5	24.06	153.0	28.06	166.3	31.58	171.3	32.37	178.0	33.16	182.9	33.76
		793.8	129.7	19.74	140.5	23.58	153.0	27.47	166.3	30.99	171.3	31.73	178.0	32.57	182.9	32.89
		952.5	129.7	19.46	140.5	23.34	153.0	27.17	166.3	30.70	171.3	31.40	178.0	32.28	182.9	32.45
	35	254.0	126.2	24.33	136.6	28.24	148.8	32.90	161.7	37.04	166.5	37.92	173.0	38.84	177.9	39.55
		317.5	126.2	23.84	136.6	27.78	148.8	32.37	161.7	36.44	166.5	37.30	173.0	38.22	177.9	38.92
		635.0	126.2	21.89	136.6	25.96	148.8	30.28	161.7	34.08	166.5	34.88	173.0	35.78	177.9	36.44
		793.8	126.2	21.30	136.6	25.43	148.8	29.63	161.7	33.42	166.5	34.26	173.0	35.12	177.9	35.47
		952.5	126.2	21.01	136.6	25.17	148.8	29.31	161.7	33.09	166.5	33.95	173.0	34.79	177.9	34.98
	40	254.0	122.6	27.94	132.7	32.44	144.5	37.78	157.1	42.57	161.9	43.56	168.1	44.62	172.8	45.41
		317.5	122.6	27.38	132.7	31.91	144.5	37.18	157.1	41.88	161.9	42.87	168.1	43.91	172.8	44.70
		635.0	122.6	25.18	132.7	29.84	144.5	34.79	157.1	39.14	161.9	40.10	168.1	41.10	172.8	41.88
		793.8	122.6	24.46	132.7	29.22	144.5	34.08	157.1	38.39	161.9	39.32	168.1	40.35	172.8	40.76
		952.5	122.6	24.10	132.7	28.90	144.5	33.72	157.1	38.01	161.9	38.94	168.1	39.98	172.8	40.20

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	254.0	118.9	31.54	128.9	36.63	140.3	42.66	152.4	48.09	157.2	49.21	163.1	50.40	167.7	51.28
		317.5	118.9	30.92	128.9	36.04	140.3	41.98	152.4	47.31	157.2	48.43	163.1	49.60	167.7	50.48
		635.0	118.9	28.46	128.9	33.71	140.3	39.31	152.4	44.20	157.2	45.31	163.1	46.42	167.7	47.31
		793.8	118.9	27.61	128.9	33.00	140.3	38.52	152.4	43.36	157.2	44.39	163.1	45.59	167.7	46.04
		952.5	118.9	27.19	128.9	32.64	140.3	38.12	152.4	42.94	157.2	43.92	163.1	45.17	167.7	45.41
80	10	254.0	115.3	7.58	124.9	8.71	136.0	10.13	147.8	11.52	152.3	11.72	158.2	12.05	162.6	12.18
		317.5	115.3	7.42	124.9	8.59	136.0	9.98	147.8	11.32	152.3	11.54	158.2	11.85	162.6	11.99
		635.0	115.3	6.77	124.9	8.11	136.0	9.39	147.8	10.54	152.3	10.82	158.2	11.03	162.6	11.24
		793.8	115.3	6.66	124.9	7.87	136.0	9.22	147.8	10.36	152.3	10.56	158.2	10.87	162.6	10.96
		952.5	115.3	6.61	124.9	7.75	136.0	9.13	147.8	10.27	152.3	10.43	158.2	10.79	162.6	10.82
	15	254.0	115.3	10.23	124.9	11.86	136.0	13.80	147.8	15.58	152.3	15.92	158.2	16.32	162.6	16.59
		317.5	115.3	10.02	124.9	11.67	136.0	13.58	147.8	15.32	152.3	15.67	158.2	16.06	162.6	16.33
		635.0	115.3	9.19	124.9	10.94	136.0	12.72	147.8	14.29	152.3	14.66	158.2	15.01	162.6	15.28
		793.8	115.3	8.97	124.9	10.68	136.0	12.46	147.8	14.04	152.3	14.37	158.2	14.75	162.6	14.88
		952.5	115.3	8.86	124.9	10.55	136.0	12.33	147.8	13.91	152.3	14.22	158.2	14.62	162.6	14.68
	20	254.0	115.3	12.58	124.9	14.65	136.0	17.05	147.8	19.20	152.3	19.66	158.2	20.11	162.6	20.51
		317.5	115.3	12.33	124.9	14.41	136.0	16.77	147.8	18.88	152.3	19.34	158.2	19.80	162.6	20.19
		635.0	115.3	11.34	124.9	13.45	136.0	15.67	147.8	17.63	152.3	18.08	158.2	18.55	162.6	18.88
		793.8	115.3	11.03	124.9	13.18	136.0	15.34	147.8	17.30	152.3	17.75	158.2	18.21	162.6	18.37
		952.5	115.3	10.87	124.9	13.04	136.0	15.17	147.8	17.14	152.3	17.58	158.2	18.03	162.6	18.11
	25	254.0	115.3	15.38	124.9	17.85	136.0	20.78	147.8	23.38	152.3	23.97	158.2	24.56	162.6	24.99
		317.5	115.3	15.07	124.9	17.56	136.0	20.44	147.8	23.01	152.3	23.58	158.2	24.17	162.6	24.59
		635.0	115.3	13.84	124.9	16.40	136.0	19.12	147.8	21.55	152.3	22.04	158.2	22.61	162.6	23.01
		793.8	115.3	13.45	124.9	16.06	136.0	18.74	147.8	21.10	152.3	21.63	158.2	22.21	162.6	22.41
		952.5	115.3	13.26	124.9	15.88	136.0	18.54	147.8	20.88	152.3	21.43	158.2	22.00	162.6	22.10
	30	254.0	115.3	18.87	124.9	21.93	136.0	25.57	147.8	28.78	152.3	29.44	158.2	30.17	162.6	30.75
		317.5	115.3	18.50	124.9	21.58	136.0	25.16	147.8	28.31	152.3	28.97	158.2	29.69	162.6	30.26
		635.0	115.3	17.03	124.9	20.19	136.0	23.53	147.8	26.48	152.3	27.12	158.2	27.80	162.6	28.31
		793.8	115.3	16.57	124.9	19.74	136.0	23.01	147.8	25.96	152.3	26.61	158.2	27.27	162.6	27.58
		952.5	115.3	16.34	124.9	19.52	136.0	22.75	147.8	25.71	152.3	26.35	158.2	27.00	162.6	27.21
	35	254.0	115.3	20.98	124.9	24.38	136.0	28.38	147.8	31.98	152.3	32.77	158.2	33.57	162.6	34.16
		317.5	115.3	20.57	124.9	23.98	136.0	27.93	147.8	31.47	152.3	32.24	158.2	33.03	162.6	33.62
		635.0	115.3	18.94	124.9	22.42	136.0	26.15	147.8	29.43	152.3	30.13	158.2	30.88	162.6	31.45
		793.8	115.3	18.41	124.9	21.95	136.0	25.62	147.8	28.85	152.3	29.56	158.2	30.33	162.6	30.61
		952.5	115.3	18.14	124.9	21.71	136.0	25.35	147.8	28.55	152.3	29.27	158.2	30.06	162.6	30.18
	40	254.0	115.3	24.87	124.9	28.90	136.0	33.65	147.8	37.90	152.3	38.78	158.2	39.75	162.6	40.43
		317.5	115.3	24.37	124.9	28.43	136.0	33.10	147.8	37.29	152.3	38.15	158.2	39.11	162.6	39.78
		635.0	115.3	22.41	124.9	26.55	136.0	30.94	147.8	34.87	152.3	35.65	158.2	36.57	162.6	37.23
		793.8	115.3	21.76	124.9	26.00	136.0	30.29	147.8	34.15	152.3	34.99	158.2	35.91	162.6	36.26
		952.5	115.3	21.44	124.9	25.73	136.0	29.97	147.8	33.79	152.3	34.66	158.2	35.58	162.6	35.77
	45	254.0	115.3	28.75	124.9	33.42	136.0	38.92	147.8	43.82	152.3	44.78	158.2	45.92	162.6	46.69
		317.5	115.3	28.17	124.9	32.87	136.0	38.28	147.8	43.11	152.3	44.06	158.2	45.18	162.6	45.95
		635.0	115.3	25.88	124.9	30.68	136.0	35.73	147.8	40.30	152.3	41.18	158.2	42.26	162.6	43.01
		793.8	115.3	25.12	124.9	30.06	136.0	34.97	147.8	39.45	152.3	40.43	158.2	41.49	162.6	41.91
		952.5	115.3	24.74	124.9	29.75	136.0	34.59	147.8	39.03	152.3	40.05	158.2	41.10	162.6	41.35
70	10	254.0	100.9	6.22	109.2	7.27	119.0	8.42	129.3	9.49	133.2	9.78	138.4	10.03	142.3	10.13
		317.5	100.9	6.10	109.2	7.14	119.0	8.29	129.3	9.35	133.2	9.63	138.4	9.87	142.3	9.98
		635.0	100.9	5.65	109.2	6.66	119.0	7.74	129.3	8.80	133.2	9.01	138.4	9.26	142.3	9.39
		793.8	100.9	5.51	109.2	6.51	119.0	7.62	129.3	8.59	133.2	8.78	138.4	9.02	142.3	9.14
		952.5	100.9	5.45	109.2	6.43	119.0	7.56	129.3	8.49	133.2	8.67	138.4	8.90	142.3	9.02
	15	254.0	100.9	8.48	109.2	9.87	119.0	11.47	129.3	12.92	133.2	13.24	138.4	13.57	142.3	13.80
		317.5	100.9	8.31	109.2	9.71	119.0	11.28	129.3	12.72	133.2	13.03	138.4	13.36	142.3	13.58
		635.0	100.9	7.65	109.2	9.06	119.0	10.55	129.3	11.91	133.2	12.19	138.4	12.52	142.3	12.72
		793.8	100.9	7.45	109.2	8.86	119.0	10.35	129.3	11.67	133.2	11.94	138.4	12.26	142.3	12.39
		952.5	100.9	7.35	109.2	8.76	119.0	10.25	129.3	11.55	133.2	11.82	138.4	12.13	142.3	12.22
	20	254.0	100.9	10.49	109.2	12.18	119.0	14.18	129.3	15.97	133.2	16.32	138.4	16.72	142.3	17.05
		317.5	100.9	10.28	109.2	11.98	119.0	13.95	129.3	15.71	133.2	16.06	138.4	16.46	142.3	16.77
		635.0	100.9	9.43	109.2	11.20	119.0	13.05	129.3	14.68	133.2	15.01	138.4	15.41	142.3	15.67
		793.8	100.9	9.18	109.2	10.95	119.0	12.77	129.3	14.41	133.2	14.75	138.4	15.14	142.3	15.27
		952.5	100.9	9.05	109.2	10.83	119.0	12.64	129.3	14.27	133.2	14.62	138.4	15.00	142.3	15.07
	25	254.0	100.9	12.77	109.2	14.85	119.0	17.26	129.3	19.45	133.2	19.92	138.4	20.39	142.3	20.77
		317.5	100.9	12.52	109.2	14.61	119.0	16.99	129.3	19.14	133.2	19.60	138.4	20.07	142.3	20.44
		635.0	100.9	11.53	109.2	13.63	119.0	15.91	129.3	17.89	133.2	18.33	138.4	18.81	142.3	19.14
		793.8	100.9	11.20	109.2	13.36	119.0	15.58	129.3	17.56	133.2	17.96	138.4	18.42	142.3	18.62
		952.5	100.9	11.03	109.2	13.22	119.0	15.42	129.3	17.40	133.2	17.78	138.4	18.23	142.3	18.37

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	254.0	100.9	15.71	109.2	18.24	119.0	21.24	129.3	23.93	133.2	24.51	138.4	25.10	142.3	25.57
		317.5	100.9	15.40	109.2	17.95	119.0	20.90	129.3	23.54	133.2	24.11	138.4	24.70	142.3	25.16
		635.0	100.9	14.15	109.2	16.77	119.0	19.54	129.3	22.02	133.2	22.55	138.4	23.12	142.3	23.53
		793.8	100.9	13.76	109.2	16.44	119.0	19.14	129.3	21.58	133.2	22.13	138.4	22.68	142.3	22.94
		952.5	100.9	13.57	109.2	16.28	119.0	18.94	129.3	21.36	133.2	21.92	138.4	22.46	142.3	22.64
	35	254.0	100.9	17.45	109.2	20.25	119.0	23.64	129.3	26.58	133.2	27.23	138.4	27.90	142.3	28.38
		317.5	100.9	17.10	109.2	19.93	119.0	23.25	129.3	26.15	133.2	26.79	138.4	27.45	142.3	27.93
		635.0	100.9	15.73	109.2	18.66	119.0	21.71	129.3	24.46	133.2	25.05	138.4	25.69	142.3	26.15
		793.8	100.9	15.28	109.2	18.24	119.0	21.29	129.3	23.98	133.2	24.57	138.4	25.22	142.3	25.49
		952.5	100.9	15.06	109.2	18.02	119.0	21.08	129.3	23.75	133.2	24.33	138.4	24.98	142.3	25.16
	40	254.0	100.9	20.67	109.2	23.98	119.0	27.97	129.3	31.50	133.2	32.24	138.4	33.03	142.3	33.61
		317.5	100.9	20.26	109.2	23.60	119.0	27.53	129.3	30.99	133.2	31.73	138.4	32.50	142.3	33.09
		635.0	100.9	18.62	109.2	22.09	119.0	25.75	129.3	28.97	133.2	29.67	138.4	30.41	142.3	30.99
		793.8	100.9	18.09	109.2	21.62	119.0	25.18	129.3	28.39	133.2	29.10	138.4	29.88	142.3	30.15
		952.5	100.9	17.83	109.2	21.38	119.0	24.89	129.3	28.09	133.2	28.82	138.4	29.61	142.3	29.72
	45	254.0	100.9	23.89	109.2	27.71	119.0	32.31	129.3	36.43	133.2	37.26	138.4	38.16	142.3	38.85
		317.5	100.9	23.41	109.2	27.27	119.0	31.80	129.3	35.84	133.2	36.66	138.4	37.55	142.3	38.25
		635.0	100.9	21.52	109.2	25.52	119.0	29.79	129.3	33.49	133.2	34.30	138.4	35.12	142.3	35.84
		793.8	100.9	20.90	109.2	25.00	119.0	29.06	129.3	32.79	133.2	33.63	138.4	34.54	142.3	34.81
		952.5	100.9	20.59	109.2	24.74	119.0	28.70	129.3	32.44	133.2	33.30	138.4	34.24	142.3	34.29
60	10	254.0	86.5	4.96	93.7	5.76	102.0	6.68	110.8	7.62	114.2	7.82	118.7	7.93	122.0	8.10
		317.5	86.5	4.87	93.7	5.66	102.0	6.59	110.8	7.49	114.2	7.68	118.7	7.82	122.0	7.97
		635.0	86.5	4.48	93.7	5.29	102.0	6.23	110.8	6.97	114.2	7.14	118.7	7.37	122.0	7.49
		793.8	86.5	4.31	93.7	5.24	102.0	6.11	110.8	6.87	114.2	7.02	118.7	7.18	122.0	7.31
		952.5	86.5	4.23	93.7	5.22	102.0	6.05	110.8	6.82	114.2	6.96	118.7	7.09	122.0	7.22
	15	254.0	86.5	6.76	93.7	7.86	102.0	9.13	110.8	10.32	114.2	10.58	118.7	10.79	122.0	11.00
		317.5	86.5	6.62	93.7	7.73	102.0	8.99	110.8	10.15	114.2	10.41	118.7	10.62	122.0	10.83
		635.0	86.5	6.09	93.7	7.21	102.0	8.44	110.8	9.49	114.2	9.71	118.7	9.96	122.0	10.15
		793.8	86.5	5.91	93.7	7.08	102.0	8.26	110.8	9.30	114.2	9.52	118.7	9.76	122.0	9.89
		952.5	86.5	5.81	93.7	7.02	102.0	8.16	110.8	9.21	114.2	9.43	118.7	9.66	122.0	9.76
	20	254.0	86.5	8.35	93.7	9.72	102.0	11.30	110.8	12.71	114.2	13.04	118.7	13.33	122.0	13.57
		317.5	86.5	8.19	93.7	9.56	102.0	11.12	110.8	12.52	114.2	12.83	118.7	13.12	122.0	13.36
		635.0	86.5	7.53	93.7	8.92	102.0	10.41	110.8	11.73	114.2	11.98	118.7	12.27	122.0	12.52
		793.8	86.5	7.32	93.7	8.72	102.0	10.17	110.8	11.47	114.2	11.74	118.7	12.06	122.0	12.19
		952.5	86.5	7.22	93.7	8.62	102.0	10.04	110.8	11.34	114.2	11.62	118.7	11.95	122.0	12.02
	25	254.0	86.5	10.16	93.7	11.85	102.0	13.79	110.8	15.52	114.2	15.87	118.7	16.25	122.0	16.58
		317.5	86.5	9.96	93.7	11.65	102.0	13.56	110.8	15.27	114.2	15.61	118.7	16.00	122.0	16.31
		635.0	86.5	9.18	93.7	10.88	102.0	12.66	110.8	14.28	114.2	14.61	118.7	14.99	122.0	15.27
		793.8	86.5	8.92	93.7	10.62	102.0	12.40	110.8	13.96	114.2	14.35	118.7	14.70	122.0	14.87
		952.5	86.5	8.79	93.7	10.49	102.0	12.27	110.8	13.81	114.2	14.22	118.7	14.55	122.0	14.66
	30	254.0	86.5	12.50	93.7	14.53	102.0	16.93	110.8	19.05	114.2	19.53	118.7	19.99	122.0	20.39
		317.5	86.5	12.26	93.7	14.29	102.0	16.66	110.8	18.75	114.2	19.21	118.7	19.67	122.0	20.06
		635.0	86.5	11.28	93.7	13.38	102.0	15.60	110.8	17.56	114.2	17.96	118.7	18.42	122.0	18.75
		793.8	86.5	10.95	93.7	13.10	102.0	15.27	110.8	17.23	114.2	17.63	118.7	18.09	122.0	18.28
		952.5	86.5	10.79	93.7	12.97	102.0	15.10	110.8	17.07	114.2	17.47	118.7	17.93	122.0	18.04
	35	254.0	86.5	13.91	93.7	16.18	102.0	18.85	110.8	21.18	114.2	21.71	118.7	22.25	122.0	22.64
		317.5	86.5	13.63	93.7	15.91	102.0	18.54	110.8	20.85	114.2	21.36	118.7	21.89	122.0	22.28
		635.0	86.5	12.53	93.7	14.87	102.0	17.30	110.8	19.53	114.2	19.98	118.7	20.46	122.0	20.85
		793.8	86.5	12.19	93.7	14.55	102.0	16.97	110.8	19.12	114.2	19.60	118.7	20.11	122.0	20.31
		952.5	86.5	12.01	93.7	14.39	102.0	16.81	110.8	18.92	114.2	19.40	118.7	19.94	122.0	20.05
	40	254.0	86.5	16.45	93.7	19.13	102.0	22.31	110.8	25.11	114.2	25.70	118.7	26.31	122.0	26.84
		317.5	86.5	16.13	93.7	18.83	102.0	21.95	110.8	24.70	114.2	25.29	118.7	25.89	122.0	26.41
		635.0	86.5	14.87	93.7	17.62	102.0	20.52	110.8	23.08	114.2	23.65	118.7	24.24	122.0	24.70
		793.8	86.5	14.42	93.7	17.23	102.0	20.11	110.8	22.62	114.2	23.20	118.7	23.80	122.0	24.04
		952.5	86.5	14.20	93.7	17.04	102.0	19.91	110.8	22.39	114.2	22.96	118.7	23.58	122.0	23.71
	45	254.0	86.5	18.98	93.7	22.08	102.0	25.77	110.8	29.04	114.2	29.69	118.7	30.36	122.0	31.04
		317.5	86.5	18.62	93.7	21.74	102.0	25.36	110.8	28.56	114.2	29.22	118.7	29.89	122.0	30.54
		635.0	86.5	17.20	93.7	20.37	102.0	23.73	110.8	26.64	114.2	27.32	118.7	28.02	122.0	28.56
		793.8	86.5	16.66	93.7	19.91	102.0	23.25	110.8	26.13	114.2	26.79	118.7	27.49	122.0	27.77
		952.5	86.5	16.39	93.7	19.68	102.0	23.01	110.8	25.87	114.2	26.53	118.7	27.21	122.0	27.37
50	10	254.0	72.1	3.71	78.0	4.28	85.0	5.09	92.5	5.61	95.2	5.77	98.8	5.95	101.6	6.05
		317.5	72.1	3.63	78.0	4.21	85.0	5.01	92.5	5.54	95.2	5.70	98.8	5.84	101.6	5.94
		635.0	72.1	3.31	78.0	3.97	85.0	4.66	92.5	5.24	95.2	5.41	98.8	5.43	101.6	5.54
		793.8	72.1	3.23	78.0	3.96	85.0	4.55	92.5	5.10	95.2	5.18	98.8	5.36	101.6	5.39
		952.5	72.1	3.18	78.0	3.96	85.0	4.50	92.5	5.03	95.2	5.07	98.8	5.33	101.6	5.32

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	254.0	72.1	5.04	78.0	5.86	85.0	6.85	92.5	7.66	95.2	7.86	98.8	8.06	101.6	8.21
		317.5	72.1	4.93	78.0	5.76	85.0	6.74	92.5	7.54	95.2	7.74	98.8	7.93	101.6	8.07
		635.0	72.1	4.53	78.0	5.38	85.0	6.29	92.5	7.08	95.2	7.27	98.8	7.41	101.6	7.54
		793.8	72.1	4.40	78.0	5.30	85.0	6.17	92.5	6.94	95.2	7.08	98.8	7.28	101.6	7.36
		952.5	72.1	4.34	78.0	5.27	85.0	6.10	92.5	6.86	95.2	6.99	98.8	7.22	101.6	7.26
	20	254.0	72.1	6.21	78.0	7.27	85.0	8.41	92.5	9.47	95.2	9.72	98.8	9.93	101.6	10.13
		317.5	72.1	6.09	78.0	7.14	85.0	8.27	92.5	9.32	95.2	9.56	98.8	9.78	101.6	9.96
		635.0	72.1	5.62	78.0	6.62	85.0	7.74	92.5	8.72	95.2	8.92	98.8	9.18	101.6	9.32
		793.8	72.1	5.45	78.0	6.50	85.0	7.60	92.5	8.57	95.2	8.77	98.8	8.99	101.6	9.10
		952.5	72.1	5.36	78.0	6.43	85.0	7.52	92.5	8.50	95.2	8.70	98.8	8.90	101.6	8.99
	25	254.0	72.1	7.56	78.0	8.80	85.0	10.26	92.5	11.59	95.2	11.85	98.8	12.12	101.6	12.31
		317.5	72.1	7.41	78.0	8.66	85.0	10.09	92.5	11.40	95.2	11.65	98.8	11.93	101.6	12.13
		635.0	72.1	6.83	78.0	8.11	85.0	9.45	92.5	10.62	95.2	10.88	98.8	11.16	101.6	11.40
		793.8	72.1	6.62	78.0	7.93	85.0	9.25	92.5	10.42	95.2	10.68	98.8	10.95	101.6	11.08
		952.5	72.1	6.52	78.0	7.83	85.0	9.15	92.5	10.32	95.2	10.58	98.8	10.85	101.6	10.93
	30	254.0	72.1	9.35	78.0	10.86	85.0	12.65	92.5	14.25	95.2	14.60	98.8	14.91	101.6	15.18
		317.5	72.1	9.16	78.0	10.68	85.0	12.44	92.5	14.02	95.2	14.35	98.8	14.68	101.6	14.94
		635.0	72.1	8.40	78.0	9.96	85.0	11.61	92.5	13.10	95.2	13.38	98.8	13.76	101.6	13.96
		793.8	72.1	8.19	78.0	9.76	85.0	11.40	92.5	12.85	95.2	13.16	98.8	13.49	101.6	13.63
		952.5	72.1	8.08	78.0	9.66	85.0	11.29	92.5	12.72	95.2	13.05	98.8	13.35	101.6	13.47
	35	254.0	72.1	10.37	78.0	12.05	85.0	14.05	92.5	15.79	95.2	16.19	98.8	16.58	101.6	16.85
		317.5	72.1	10.17	78.0	11.86	85.0	13.82	92.5	15.54	95.2	15.93	98.8	16.31	101.6	16.59
		635.0	72.1	9.36	78.0	11.08	85.0	12.92	92.5	14.55	95.2	14.88	98.8	15.27	101.6	15.54
		793.8	72.1	9.10	78.0	10.87	85.0	12.64	92.5	14.28	95.2	14.61	98.8	14.99	101.6	15.14
		952.5	72.1	8.97	78.0	10.76	85.0	12.51	92.5	14.14	95.2	14.47	98.8	14.86	101.6	14.94
	40	254.0	72.1	12.31	78.0	14.27	85.0	16.64	92.5	18.72	95.2	19.18	98.8	19.63	101.6	19.99
		317.5	72.1	12.06	78.0	14.04	85.0	16.37	92.5	18.42	95.2	18.87	98.8	19.32	101.6	19.67
		635.0	72.1	11.07	78.0	13.12	85.0	15.28	92.5	17.23	95.2	17.63	98.8	18.09	101.6	18.41
		793.8	72.1	10.75	78.0	12.85	85.0	14.99	92.5	16.90	95.2	17.30	98.8	17.75	101.6	17.91
		952.5	72.1	10.60	78.0	12.71	85.0	14.85	92.5	16.74	95.2	17.14	98.8	17.57	101.6	17.66
	45	254.0	72.1	14.24	78.0	16.49	85.0	19.24	92.5	21.66	95.2	22.16	98.8	22.69	101.6	23.13
		317.5	72.1	13.95	78.0	16.22	85.0	18.92	92.5	21.30	95.2	21.80	98.8	22.33	101.6	22.75
		635.0	72.1	12.77	78.0	15.16	85.0	17.65	92.5	19.91	95.2	20.39	98.8	20.92	101.6	21.27
		793.8	72.1	12.40	78.0	14.83	85.0	17.34	92.5	19.53	95.2	20.00	98.8	20.50	101.6	20.68
		952.5	72.1	12.22	78.0	14.66	85.0	17.19	92.5	19.33	95.2	19.81	98.8	20.29	101.6	20.38

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(68HP)

ARWN680LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	261.6	177.0	12.80	191.7	14.96	208.6	17.44	226.7	19.58	233.7	20.03	242.8	20.62	249.6	20.95
		327.0	177.0	12.56	191.7	14.70	208.6	17.15	226.7	19.26	233.7	19.72	242.8	20.28	249.6	20.63
		654.0	177.0	11.63	191.7	13.70	208.6	15.98	226.7	18.01	233.7	18.52	242.8	18.95	249.6	19.36
		817.5	177.0	11.28	191.7	13.45	208.6	15.70	226.7	17.62	233.7	18.12	242.8	18.58	249.6	18.87
		981.0	177.0	11.10	191.7	13.33	208.6	15.55	226.7	17.42	233.7	17.93	242.8	18.40	249.6	18.63
	15	261.6	174.1	16.85	188.6	19.63	205.3	22.88	223.2	25.72	229.9	26.33	238.8	27.00	245.6	27.47
		327.0	174.1	16.53	188.6	19.31	205.3	22.51	223.2	25.30	229.9	25.91	238.8	26.58	245.6	27.06
		654.0	174.1	15.23	188.6	18.03	205.3	21.02	223.2	23.67	229.9	24.28	238.8	24.90	245.6	25.42
		817.5	174.1	14.81	188.6	17.67	205.3	20.60	223.2	23.19	229.9	23.80	238.8	24.41	245.6	24.83
		981.0	174.1	14.60	188.6	17.49	205.3	20.39	223.2	22.95	229.9	23.56	238.8	24.16	245.6	24.53
	20	261.6	171.6	20.46	185.8	23.78	202.4	27.71	220.0	31.17	226.6	31.93	235.3	32.68	242.0	33.26
		327.0	171.6	20.05	185.8	23.40	202.4	27.27	220.0	30.67	226.6	31.42	235.3	32.18	242.0	32.77
		654.0	171.6	18.43	185.8	21.88	202.4	25.49	220.0	28.69	226.6	29.40	235.3	30.20	242.0	30.81
		817.5	171.6	17.95	185.8	21.42	202.4	24.96	220.0	28.14	226.6	28.84	235.3	29.59	242.0	30.12
		981.0	171.6	17.72	185.8	21.19	202.4	24.69	220.0	27.87	226.6	28.57	235.3	29.28	242.0	29.78
	25	261.6	171.6	25.25	185.8	29.32	202.4	34.16	220.0	38.50	226.6	39.38	235.3	40.34	242.0	41.02
		327.0	171.6	24.75	185.8	28.84	202.4	33.60	220.0	37.87	226.6	38.75	235.3	39.72	242.0	40.40
		654.0	171.6	22.77	185.8	26.98	202.4	31.42	220.0	35.38	226.6	36.25	235.3	37.24	242.0	37.96
		817.5	171.6	22.11	185.8	26.39	202.4	30.79	220.0	34.69	226.6	35.58	235.3	36.52	242.0	37.13
		981.0	171.6	21.77	185.8	26.09	202.4	30.47	220.0	34.35	226.6	35.25	235.3	36.15	242.0	36.71
	30	261.6	171.6	30.31	185.8	35.18	202.4	40.99	220.0	46.18	226.6	47.27	235.3	48.41	242.0	49.23
		327.0	171.6	29.70	185.8	34.61	202.4	40.33	220.0	45.43	226.6	46.51	235.3	47.66	242.0	48.49
		654.0	171.6	27.28	185.8	32.37	202.4	37.72	220.0	42.44	226.6	43.53	235.3	44.67	242.0	45.56
		817.5	171.6	26.52	185.8	31.68	202.4	36.94	220.0	41.62	226.6	42.71	235.3	43.79	242.0	44.53
		981.0	171.6	26.14	185.8	31.34	202.4	36.54	220.0	41.21	226.6	42.30	235.3	43.35	242.0	44.02
	35	261.6	154.5	30.61	167.2	35.59	182.1	41.48	197.9	46.65	203.9	47.82	211.8	48.96	217.8	49.77
		327.0	154.5	30.01	167.2	35.01	182.1	40.80	197.9	45.91	203.9	47.05	211.8	48.19	217.8	49.03
		654.0	154.5	27.61	167.2	32.73	182.1	38.14	197.9	42.96	203.9	44.00	211.8	45.16	217.8	46.10
		817.5	154.5	26.85	167.2	32.03	182.1	37.34	197.9	42.10	203.9	43.18	211.8	44.29	217.8	45.03
		981.0	154.5	26.47	167.2	31.67	182.1	36.94	197.9	41.67	203.9	42.77	211.8	43.85	217.8	44.49
	40	261.6	137.2	32.33	148.7	37.52	161.8	43.73	175.9	49.23	181.3	50.37	188.2	51.59	193.6	52.54
		327.0	137.2	31.68	148.7	36.92	161.8	43.03	175.9	48.44	181.3	49.58	188.2	50.80	193.6	51.75
		654.0	137.2	29.11	148.7	34.54	161.8	40.25	175.9	45.30	181.3	46.44	188.2	47.66	193.6	48.61
		817.5	137.2	28.29	148.7	33.80	161.8	39.37	175.9	44.40	181.3	45.56	188.2	46.72	193.6	47.52
		981.0	137.2	27.88	148.7	33.42	161.8	38.94	175.9	43.95	181.3	45.12	188.2	46.26	193.6	46.98
	45	261.6	120.0	34.05	130.1	39.45	141.6	45.99	153.9	51.81	158.6	52.93	164.7	54.23	169.4	55.32
		327.0	120.0	33.36	130.1	38.82	141.6	45.26	153.9	50.97	158.6	52.11	164.7	53.41	169.4	54.47
		654.0	120.0	30.62	130.1	36.35	141.6	42.36	153.9	47.64	158.6	48.88	164.7	50.15	169.4	51.12
		817.5	120.0	29.74	130.1	35.57	141.6	41.41	153.9	46.71	158.6	47.94	164.7	49.16	169.4	50.02
		981.0	120.0	29.30	130.1	35.17	141.6	40.93	153.9	46.24	158.6	47.47	164.7	48.66	169.4	49.47
120	10	261.6	167.5	12.19	181.3	14.20	197.6	16.45	214.7	18.57	221.1	19.07	229.8	19.53	236.2	19.82
		327.0	167.5	11.94	181.3	13.97	197.6	16.21	214.7	18.26	221.1	18.75	229.8	19.21	236.2	19.51
		654.0	167.5	10.95	181.3	13.05	197.6	15.22	214.7	17.05	221.1	17.47	229.8	17.93	236.2	18.32
		817.5	167.5	10.63	181.3	12.67	197.6	14.87	214.7	16.70	221.1	17.18	229.8	17.62	236.2	17.92
		981.0	167.5	10.48	181.3	12.48	197.6	14.69	214.7	16.52	221.1	17.04	229.8	17.47	236.2	17.72
	15	261.6	165.6	16.17	179.3	18.80	195.3	21.84	212.2	24.62	218.6	25.22	227.1	25.83	233.5	26.25
		327.0	165.6	15.84	179.3	18.49	195.3	21.50	212.2	24.22	218.6	24.81	227.1	25.42	233.5	25.86
		654.0	165.6	14.55	179.3	17.27	195.3	20.13	212.2	22.64	218.6	23.19	227.1	23.80	233.5	24.28
		817.5	165.6	14.15	179.3	16.87	195.3	19.71	212.2	22.18	218.6	22.77	227.1	23.34	233.5	23.72
		981.0	165.6	13.95	179.3	16.67	195.3	19.50	212.2	21.95	218.6	22.56	227.1	23.11	233.5	23.45
	20	261.6	163.8	19.70	177.5	22.88	193.3	26.63	210.1	29.99	216.4	30.68	224.8	31.43	231.1	31.98
		327.0	163.8	19.31	177.5	22.51	193.3	26.20	210.1	29.51	216.4	30.20	224.8	30.94	231.1	31.49
		654.0	163.8	17.75	177.5	21.02	193.3	24.49	210.1	27.61	216.4	28.28	224.8	29.02	231.1	29.57
		817.5	163.8	17.27	177.5	20.60	193.3	24.01	210.1	27.06	216.4	27.74	224.8	28.43	231.1	28.88
		981.0	163.8	17.03	177.5	20.39	193.3	23.77	210.1	26.78	216.4	27.47	224.8	28.13	231.1	28.54
	25	261.6	163.8	24.21	177.5	28.13	193.3	32.75	210.1	36.84	216.4	37.73	224.8	38.67	231.1	39.35
		327.0	163.8	23.72	177.5	27.67	193.3	32.22	210.1	36.25	216.4	37.13	224.8	38.06	231.1	38.75
		654.0	163.8	21.82	177.5	25.84	193.3	30.12	210.1	33.93	216.4	34.75	224.8	35.64	231.1	36.37
		817.5	163.8	21.21	177.5	25.30	193.3	29.51	210.1	33.24	216.4	34.08	224.8	34.96	231.1	35.49
		981.0	163.8	20.91	177.5	25.04	193.3	29.21	210.1	32.90	216.4	33.75	224.8	34.61	231.1	35.05
	30	261.6	163.8	29.21	177.5	34.01	193.3	39.61	210.1	44.57	216.4	45.62	224.8	46.76	231.1	47.57
		327.0	163.8	28.64	177.5	33.45	193.3	38.96	210.1	43.85	216.4	44.90	224.8	46.02	231.1	46.84
		654.0	163.8	26.37	177.5	31.26	193.3	36.39	210.1	41.01	216.4	42.02	224.8	43.11	231.1	43.94
		817.5	163.8	25.63	177.5	30.60	193.3	35.64	210.1	40.19	216.4	41.22	224.8	42.29	231.1	42.92
		981.0	163.8	25.26	177.5	30.26	193.3	35.27	210.1	39.78	216.4	40.82	224.8	41.88	231.1	42.40

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	261.6	149.9	29.98	162.4	34.84	176.9	40.56	192.2	45.69	198.0	46.79	205.7	47.89	211.5	48.75
		327.0	149.9	29.38	162.4	34.27	176.9	39.91	192.2	44.95	198.0	46.04	205.7	47.14	211.5	48.00
		654.0	149.9	27.00	162.4	32.03	176.9	37.32	192.2	42.02	198.0	43.05	205.7	44.19	211.5	45.03
		817.5	149.9	26.26	162.4	31.36	176.9	36.58	192.2	41.20	198.0	42.25	205.7	43.32	211.5	43.98
		981.0	149.9	25.88	162.4	31.02	176.9	36.20	192.2	40.79	198.0	41.85	205.7	42.88	211.5	43.46
	40	261.6	136.0	32.26	147.3	37.46	160.5	43.68	174.5	49.15	179.7	50.33	186.7	51.55	191.8	52.48
		327.0	136.0	31.63	147.3	36.86	160.5	42.97	174.5	48.36	179.7	49.52	186.7	50.74	191.8	51.67
		654.0	136.0	29.09	147.3	34.48	160.5	40.18	174.5	45.22	179.7	46.32	186.7	47.54	191.8	48.48
		817.5	136.0	28.28	147.3	33.74	160.5	39.36	174.5	44.34	179.7	45.49	186.7	46.65	191.8	47.33
		981.0	136.0	27.86	147.3	33.37	160.5	38.95	174.5	43.90	179.7	45.07	186.7	46.20	191.8	46.76
	45	261.6	122.1	34.55	132.2	40.09	144.0	46.80	156.7	52.61	161.4	53.87	167.6	55.21	172.1	56.21
		327.0	122.1	33.87	132.2	39.45	144.0	46.04	156.7	51.77	161.4	53.01	167.6	54.34	172.1	55.35
		654.0	122.1	31.19	132.2	36.94	144.0	43.03	156.7	48.42	161.4	49.60	167.6	50.89	172.1	51.92
		817.5	122.1	30.29	132.2	36.12	144.0	42.14	156.7	47.48	161.4	48.73	167.6	49.98	172.1	50.68
		981.0	122.1	29.85	132.2	35.71	144.0	41.69	156.7	47.02	161.4	48.29	167.6	49.52	172.1	50.06
110	10	261.6	158.0	11.50	171.2	13.33	186.4	15.58	202.5	17.51	208.4	17.92	216.7	18.40	222.6	18.74
		327.0	158.0	11.26	171.2	13.11	186.4	15.32	202.5	17.22	208.4	17.65	216.7	18.11	222.6	18.44
		654.0	158.0	10.35	171.2	12.27	186.4	14.31	202.5	16.11	208.4	16.57	216.7	16.97	222.6	17.26
		817.5	158.0	10.07	171.2	12.01	186.4	13.97	202.5	15.86	208.4	16.15	216.7	16.64	222.6	16.82
		981.0	158.0	9.93	171.2	11.88	186.4	13.81	202.5	15.73	208.4	15.94	216.7	16.47	222.6	16.60
	15	261.6	157.1	15.41	170.1	17.90	185.2	20.86	201.3	23.49	207.3	24.05	215.4	24.65	221.4	25.09
		327.0	157.1	15.10	170.1	17.61	185.2	20.53	201.3	23.11	207.3	23.67	215.4	24.26	221.4	24.69
		654.0	157.1	13.88	170.1	16.47	185.2	19.19	201.3	21.61	207.3	22.16	215.4	22.71	221.4	23.13
		817.5	157.1	13.52	170.1	16.13	185.2	18.77	201.3	21.21	207.3	21.70	215.4	22.30	221.4	22.56
		981.0	157.1	13.34	170.1	15.95	185.2	18.56	201.3	21.01	207.3	21.47	215.4	22.09	221.4	22.28
	20	261.6	156.2	18.88	169.1	21.97	184.2	25.56	200.3	28.82	206.3	29.49	214.3	30.20	220.3	30.74
		327.0	156.2	18.51	169.1	21.61	184.2	25.15	200.3	28.35	206.3	29.02	214.3	29.72	220.3	30.25
		654.0	156.2	17.02	169.1	20.20	184.2	23.53	200.3	26.50	206.3	27.13	214.3	27.82	220.3	28.35
		817.5	156.2	16.58	169.1	19.78	184.2	23.04	200.3	25.97	206.3	26.64	214.3	27.32	220.3	27.67
		981.0	156.2	16.37	169.1	19.57	184.2	22.79	200.3	25.70	206.3	26.39	214.3	27.08	220.3	27.32
	25	261.6	156.2	23.11	169.1	26.88	184.2	31.31	200.3	35.26	206.3	36.08	214.3	36.97	220.3	37.64
		327.0	156.2	22.66	169.1	26.45	184.2	30.81	200.3	34.69	206.3	35.51	214.3	36.39	220.3	37.05
		654.0	156.2	20.87	169.1	24.73	184.2	28.83	200.3	32.44	206.3	33.24	214.3	34.08	220.3	34.73
		817.5	156.2	20.28	169.1	24.20	184.2	28.22	200.3	31.82	206.3	32.58	214.3	33.45	220.3	33.85
		981.0	156.2	19.98	169.1	23.93	184.2	27.91	200.3	31.50	206.3	32.24	214.3	33.14	220.3	33.41
	30	261.6	156.2	28.18	169.1	32.76	184.2	38.17	200.3	42.99	206.3	44.02	214.3	45.05	220.3	45.88
		327.0	156.2	27.63	169.1	32.23	184.2	37.55	200.3	42.29	206.3	43.32	214.3	44.34	220.3	45.16
		654.0	156.2	25.42	169.1	30.14	184.2	35.09	200.3	39.53	206.3	40.52	214.3	41.55	220.3	42.31
		817.5	156.2	24.73	169.1	29.51	184.2	34.41	200.3	38.77	206.3	39.72	214.3	40.74	220.3	41.28
		981.0	156.2	24.39	169.1	29.20	184.2	34.06	200.3	38.38	206.3	39.32	214.3	40.34	220.3	40.76
	35	261.6	145.5	29.33	157.6	34.08	171.7	39.67	186.6	44.70	192.2	45.75	199.7	46.85	205.3	47.72
		327.0	145.5	28.75	157.6	33.53	171.7	39.03	186.6	43.98	192.2	45.01	199.7	46.11	205.3	46.97
		654.0	145.5	26.45	157.6	31.34	171.7	36.52	186.6	41.13	192.2	42.10	199.7	43.18	205.3	44.00
		817.5	145.5	25.70	157.6	30.67	171.7	35.76	186.6	40.31	192.2	41.34	199.7	42.36	205.3	42.92
		981.0	145.5	25.33	157.6	30.34	171.7	35.38	186.6	39.90	192.2	40.96	199.7	41.95	205.3	42.37
	40	261.6	134.8	32.21	146.1	37.45	159.0	43.60	172.9	49.07	178.1	50.25	185.0	51.47	190.2	52.42
		327.0	134.8	31.57	146.1	36.84	159.0	42.90	172.9	48.29	178.1	49.45	185.0	50.67	190.2	51.60
		654.0	134.8	29.04	146.1	34.42	159.0	40.12	172.9	45.16	178.1	46.25	185.0	47.47	190.2	48.34
		817.5	134.8	28.22	146.1	33.68	159.0	39.30	172.9	44.27	178.1	45.41	185.0	46.57	190.2	47.12
		981.0	134.8	27.81	146.1	33.31	159.0	38.89	172.9	43.82	178.1	44.99	185.0	46.12	190.2	46.51
	45	261.6	124.1	35.08	134.6	40.83	146.4	47.53	159.3	53.44	164.0	54.76	170.3	56.09	175.1	57.12
		327.0	124.1	34.38	134.6	40.16	146.4	46.76	159.3	52.59	164.0	53.88	170.3	55.22	175.1	56.23
		654.0	124.1	31.63	134.6	37.51	146.4	43.72	159.3	49.20	164.0	50.40	170.3	51.75	175.1	52.68
		817.5	124.1	30.73	134.6	36.69	146.4	42.84	159.3	48.23	164.0	49.49	170.3	50.78	175.1	51.33
		981.0	124.1	30.28	134.6	36.28	146.4	42.40	159.3	47.74	164.0	49.03	170.3	50.29	175.1	50.65
100	10	261.6	148.5	10.88	160.8	12.63	175.1	14.60	190.4	16.56	196.1	16.85	203.7	17.36	209.5	17.65
		327.0	148.5	10.66	160.8	12.42	175.1	14.37	190.4	16.29	196.1	16.59	203.7	17.07	209.5	17.37
		654.0	148.5	9.80	160.8	11.59	175.1	13.46	190.4	15.23	196.1	15.55	203.7	15.94	209.5	16.25
		817.5	148.5	9.47	160.8	11.32	175.1	13.18	190.4	14.89	196.1	15.26	203.7	15.62	209.5	15.76
		981.0	148.5	9.30	160.8	11.18	175.1	13.04	190.4	14.73	196.1	15.11	203.7	15.46	209.5	15.52
	15	261.6	148.5	14.71	160.8	17.07	175.1	19.85	190.4	22.39	196.1	22.89	203.7	23.49	209.5	23.90
		327.0	148.5	14.41	160.8	16.79	175.1	19.53	190.4	22.03	196.1	22.52	203.7	23.11	209.5	23.52
		654.0	148.5	13.25	160.8	15.71	175.1	18.28	190.4	20.60	196.1	21.08	203.7	21.61	209.5	22.01
		817.5	148.5	12.85	160.8	15.37	175.1	17.90	190.4	20.18	196.1	20.68	203.7	21.21	209.5	21.42
		981.0	148.5	12.65	160.8	15.19	175.1	17.70	190.4	19.97	196.1	20.48	203.7	21.01	209.5	21.12

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	261.6	148.5	18.11	160.8	21.01	175.1	24.52	190.4	27.57	196.1	28.26	203.7	28.95	209.5	29.44
		327.0	148.5	17.75	160.8	20.68	175.1	24.12	190.4	27.13	196.1	27.80	203.7	28.48	209.5	28.98
		654.0	148.5	16.32	160.8	19.36	175.1	22.56	190.4	25.38	196.1	25.99	203.7	26.66	209.5	27.13
		817.5	148.5	15.86	160.8	18.96	175.1	22.09	190.4	24.89	196.1	25.49	203.7	26.18	209.5	26.45
		981.0	148.5	15.63	160.8	18.76	175.1	21.85	190.4	24.64	196.1	25.25	203.7	25.94	209.5	26.10
	25	261.6	148.5	22.06	160.8	25.64	175.1	29.88	190.4	33.66	196.1	34.47	203.7	35.32	209.5	35.92
		327.0	148.5	21.63	160.8	25.23	175.1	29.40	190.4	33.11	196.1	33.91	203.7	34.75	209.5	35.36
		654.0	148.5	19.92	160.8	23.59	175.1	27.47	190.4	30.94	196.1	31.70	203.7	32.50	209.5	33.11
		817.5	148.5	19.36	160.8	23.11	175.1	26.92	190.4	30.33	196.1	31.09	203.7	31.89	209.5	32.23
		981.0	148.5	19.09	160.8	22.88	175.1	26.65	190.4	30.02	196.1	30.79	203.7	31.59	209.5	31.80
	30	261.6	148.5	27.13	160.8	31.59	175.1	36.78	190.4	41.40	196.1	42.38	203.7	43.39	209.5	44.21
		327.0	148.5	26.60	160.8	31.07	175.1	36.18	190.4	40.73	196.1	41.70	203.7	42.71	209.5	43.51
		654.0	148.5	24.49	160.8	29.04	175.1	33.80	190.4	38.08	196.1	38.97	203.7	39.98	209.5	40.73
		817.5	148.5	23.80	160.8	28.43	175.1	33.11	190.4	37.34	196.1	38.27	203.7	39.24	209.5	39.64
		981.0	148.5	23.46	160.8	28.12	175.1	32.77	190.4	36.96	196.1	37.92	203.7	38.87	209.5	39.10
	35	261.6	141.1	28.65	152.9	33.30	166.4	38.78	180.9	43.68	186.3	44.72	193.6	45.81	199.0	46.65
		327.0	141.1	28.08	152.9	32.77	166.4	38.16	180.9	42.97	186.3	44.00	193.6	45.09	199.0	45.91
		654.0	141.1	25.84	152.9	30.66	166.4	35.70	180.9	40.19	186.3	41.15	193.6	42.21	199.0	42.97
		817.5	141.1	25.15	152.9	29.99	166.4	34.96	180.9	39.43	186.3	40.38	193.6	41.41	199.0	41.83
		981.0	141.1	24.81	152.9	29.65	166.4	34.58	180.9	39.05	186.3	40.00	193.6	41.01	199.0	41.26
	40	261.6	133.6	32.18	144.8	37.39	157.6	43.55	171.3	49.02	176.5	50.18	183.4	51.41	188.5	52.31
		327.0	133.6	31.53	144.8	36.79	157.6	42.84	171.3	48.23	176.5	49.37	183.4	50.59	188.5	51.48
		654.0	133.6	28.98	144.8	34.39	157.6	40.04	171.3	45.09	176.5	46.17	183.4	47.33	188.5	48.21
		817.5	133.6	28.20	144.8	33.64	157.6	39.22	171.3	44.21	176.5	45.30	183.4	46.46	188.5	46.93
		981.0	133.6	27.81	144.8	33.27	157.6	38.81	171.3	43.77	176.5	44.86	183.4	46.02	188.5	46.29
	45	261.6	126.2	35.70	136.6	41.48	148.8	48.32	161.8	54.37	166.8	55.63	173.3	57.01	178.0	57.98
		327.0	126.2	34.98	136.6	40.80	148.8	47.52	161.8	53.48	166.8	54.74	173.3	56.09	178.0	57.06
		654.0	126.2	32.12	136.6	38.12	148.8	44.38	161.8	49.98	166.8	51.20	173.3	52.45	178.0	53.45
		817.5	126.2	31.25	136.6	37.30	148.8	43.49	161.8	48.99	166.8	50.21	173.3	51.50	178.0	52.04
		981.0	126.2	30.81	136.6	36.89	148.8	43.04	161.8	48.49	166.8	49.71	173.3	51.02	178.0	51.33
90	10	261.6	133.6	9.27	144.8	10.78	157.6	12.57	171.3	14.22	176.5	14.48	183.4	14.79	188.5	15.22
		327.0	133.6	9.10	144.8	10.62	157.6	12.38	171.3	13.99	176.5	14.26	183.4	14.59	188.5	14.97
		654.0	133.6	8.41	144.8	9.99	157.6	11.61	171.3	13.10	176.5	13.39	183.4	13.78	188.5	13.99
		817.5	133.6	8.17	144.8	9.68	157.6	11.37	171.3	12.76	176.5	13.13	183.4	13.52	188.5	13.55
		981.0	133.6	8.05	144.8	9.53	157.6	11.26	171.3	12.59	176.5	13.00	183.4	13.40	188.5	13.32
	15	261.6	133.6	12.62	144.8	14.66	157.6	17.09	171.3	19.28	176.5	19.69	183.4	20.17	188.5	20.59
		327.0	133.6	12.38	144.8	14.43	157.6	16.81	171.3	18.96	176.5	19.38	183.4	19.86	188.5	20.26
		654.0	133.6	11.41	144.8	13.52	157.6	15.73	171.3	17.73	176.5	18.15	183.4	18.62	188.5	18.96
		817.5	133.6	11.08	144.8	13.19	157.6	15.42	171.3	17.35	176.5	17.80	183.4	18.28	188.5	18.43
		981.0	133.6	10.92	144.8	13.03	157.6	15.27	171.3	17.15	176.5	17.63	183.4	18.11	188.5	18.16
	20	261.6	133.6	15.60	144.8	18.11	157.6	21.10	171.3	23.77	176.5	24.33	183.4	24.95	188.5	25.36
		327.0	133.6	15.29	144.8	17.82	157.6	20.75	171.3	23.38	176.5	23.93	183.4	24.54	188.5	24.96
		654.0	133.6	14.07	144.8	16.66	157.6	19.38	171.3	21.84	176.5	22.37	183.4	22.92	188.5	23.38
		817.5	133.6	13.67	144.8	16.32	157.6	19.02	171.3	21.42	176.5	21.95	183.4	22.51	188.5	22.77
		981.0	133.6	13.47	144.8	16.15	157.6	18.84	171.3	21.21	176.5	21.74	183.4	22.30	188.5	22.47
	25	261.6	133.6	19.00	144.8	22.11	157.6	25.72	171.3	28.97	176.5	29.65	183.4	30.39	188.5	30.94
		327.0	133.6	18.62	144.8	21.74	157.6	25.30	171.3	28.50	176.5	29.17	183.4	29.91	188.5	30.45
		654.0	133.6	17.14	144.8	20.32	157.6	23.67	171.3	26.66	176.5	27.28	183.4	28.01	188.5	28.48
		817.5	133.6	16.66	144.8	19.86	157.6	23.19	171.3	26.12	176.5	26.79	183.4	27.47	188.5	27.74
		981.0	133.6	16.42	144.8	19.63	157.6	22.95	171.3	25.85	176.5	26.54	183.4	27.21	188.5	27.37
	30	261.6	133.6	23.37	144.8	27.18	157.6	31.64	171.3	35.65	176.5	36.47	183.4	37.39	188.5	38.06
		327.0	133.6	22.91	144.8	26.73	157.6	31.13	171.3	35.07	176.5	35.89	183.4	36.79	188.5	37.45
		654.0	133.6	21.08	144.8	24.96	157.6	29.11	171.3	32.77	176.5	33.59	183.4	34.41	188.5	35.03
		817.5	133.6	20.49	144.8	24.47	157.6	28.50	171.3	32.16	176.5	32.92	183.4	33.80	188.5	34.12
		981.0	133.6	20.19	144.8	24.22	157.6	28.20	171.3	31.85	176.5	32.59	183.4	33.49	188.5	33.66
	35	261.6	130.0	25.24	140.7	29.30	153.3	34.14	166.6	38.43	171.6	39.34	178.3	40.30	183.3	41.03
		327.0	130.0	24.73	140.7	28.83	153.3	33.59	166.6	37.81	171.6	38.71	178.3	39.66	183.3	40.38
		654.0	130.0	22.71	140.7	26.94	153.3	31.42	166.6	35.36	171.6	36.19	178.3	37.13	183.3	37.81
		817.5	130.0	22.11	140.7	26.39	153.3	30.75	166.6	34.67	171.6	35.55	178.3	36.44	183.3	36.80
		981.0	130.0	21.80	140.7	26.11	153.3	30.41	166.6	34.33	171.6	35.23	178.3	36.10	183.3	36.30
	40	261.6	126.3	28.99	136.8	33.65	148.9	39.20	161.8	44.17	166.8	45.20	173.2	46.30	178.0	47.12
		327.0	126.3	28.41	136.8	33.11	148.9	38.57	161.8	43.45	166.8	44.48	173.2	45.56	178.0	46.38
		654.0	126.3	26.12	136.8	30.96	148.9	36.10	161.8	40.61	166.8	41.60	173.2	42.65	178.0	43.45
		817.5	126.3	25.38	136.8	30.31	148.9	35.36	161.8	39.83	166.8	40.80	173.2	41.87	178.0	42.29
		981.0	126.3	25.01	136.8	29.99	148.9	34.98	161.8	39.44	166.8	40.40	173.2	41.48	178.0	41.71

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	261.6	122.5	32.73	132.8	38.01	144.5	44.26	157.1	49.90	161.9	51.06	168.1	52.30	172.8	53.21
		327.0	122.5	32.08	132.8	37.39	144.5	43.56	157.1	49.09	161.9	50.25	168.1	51.47	172.8	52.38
		654.0	122.5	29.53	132.8	34.97	144.5	40.78	157.1	45.87	161.9	47.01	168.1	48.17	172.8	49.09
		817.5	122.5	28.65	132.8	34.24	144.5	39.97	157.1	44.99	161.9	46.06	168.1	47.30	172.8	47.77
		981.0	122.5	28.21	132.8	33.87	144.5	39.56	157.1	44.56	161.9	45.58	168.1	46.86	172.8	47.12
80	10	261.6	118.8	7.87	128.7	9.04	140.2	10.52	152.3	11.95	156.9	12.16	163.0	12.51	167.6	12.64
		327.0	118.8	7.70	128.7	8.92	140.2	10.36	152.3	11.75	156.9	11.98	163.0	12.29	167.6	12.45
		654.0	118.8	7.03	128.7	8.42	140.2	9.75	152.3	10.93	156.9	11.23	163.0	11.44	167.6	11.66
		817.5	118.8	6.91	128.7	8.17	140.2	9.56	152.3	10.75	156.9	10.96	163.0	11.28	167.6	11.37
		981.0	118.8	6.86	128.7	8.04	140.2	9.47	152.3	10.66	156.9	10.83	163.0	11.20	167.6	11.23
	15	261.6	118.8	10.61	128.7	12.30	140.2	14.31	152.3	16.17	156.9	16.52	163.0	16.93	167.6	17.22
		327.0	118.8	10.40	128.7	12.11	140.2	14.09	152.3	15.90	156.9	16.26	163.0	16.66	167.6	16.94
		654.0	118.8	9.54	128.7	11.35	140.2	13.19	152.3	14.83	156.9	15.21	163.0	15.57	167.6	15.86
		817.5	118.8	9.31	128.7	11.08	140.2	12.93	152.3	14.56	156.9	14.91	163.0	15.31	167.6	15.44
		981.0	118.8	9.20	128.7	10.95	140.2	12.79	152.3	14.43	156.9	14.75	163.0	15.17	167.6	15.23
	20	261.6	118.8	13.05	128.7	15.20	140.2	17.69	152.3	19.92	156.9	20.40	163.0	20.87	167.6	21.29
		327.0	118.8	12.79	128.7	14.95	140.2	17.40	152.3	19.59	156.9	20.07	163.0	20.54	167.6	20.94
		654.0	118.8	11.77	128.7	13.96	140.2	16.26	152.3	18.30	156.9	18.76	163.0	19.25	167.6	19.59
		817.5	118.8	11.44	128.7	13.67	140.2	15.92	152.3	17.95	156.9	18.41	163.0	18.89	167.6	19.06
		981.0	118.8	11.28	128.7	13.53	140.2	15.75	152.3	17.78	156.9	18.24	163.0	18.71	167.6	18.79
	25	261.6	118.8	15.95	128.7	18.52	140.2	21.56	152.3	24.26	156.9	24.87	163.0	25.49	167.6	25.93
		327.0	118.8	15.63	128.7	18.22	140.2	21.21	152.3	23.88	156.9	24.47	163.0	25.08	167.6	25.51
		654.0	118.8	14.36	128.7	17.02	140.2	19.84	152.3	22.35	156.9	22.87	163.0	23.46	167.6	23.88
		817.5	118.8	13.96	128.7	16.66	140.2	19.44	152.3	21.90	156.9	22.45	163.0	23.04	167.6	23.25
		981.0	118.8	13.75	128.7	16.48	140.2	19.24	152.3	21.67	156.9	22.24	163.0	22.83	167.6	22.93
	30	261.6	118.8	19.58	128.7	22.76	140.2	26.53	152.3	29.86	156.9	30.55	163.0	31.30	167.6	31.91
		327.0	118.8	19.19	128.7	22.39	140.2	26.10	152.3	29.38	156.9	30.06	163.0	30.81	167.6	31.40
		654.0	118.8	17.67	128.7	20.94	140.2	24.41	152.3	27.47	156.9	28.14	163.0	28.84	167.6	29.38
		817.5	118.8	17.19	128.7	20.49	140.2	23.88	152.3	26.94	156.9	27.61	163.0	28.29	167.6	28.62
		981.0	118.8	16.96	128.7	20.26	140.2	23.61	152.3	26.67	156.9	27.34	163.0	28.02	167.6	28.24
	35	261.6	118.8	21.77	128.7	25.29	140.2	29.44	152.3	33.19	156.9	34.01	163.0	34.83	167.6	35.45
		327.0	118.8	21.34	128.7	24.89	140.2	28.98	152.3	32.65	156.9	33.45	163.0	34.27	167.6	34.88
		654.0	118.8	19.65	128.7	23.27	140.2	27.13	152.3	30.54	156.9	31.26	163.0	32.04	167.6	32.63
		817.5	118.8	19.10	128.7	22.77	140.2	26.58	152.3	29.93	156.9	30.67	163.0	31.47	167.6	31.76
		981.0	118.8	18.82	128.7	22.52	140.2	26.30	152.3	29.62	156.9	30.38	163.0	31.19	167.6	31.32
	40	261.6	118.8	25.80	128.7	29.99	140.2	34.92	152.3	39.32	156.9	40.24	163.0	41.24	167.6	41.95
		327.0	118.8	25.29	128.7	29.49	140.2	34.35	152.3	38.69	156.9	39.58	163.0	40.58	167.6	41.28
		654.0	118.8	23.25	128.7	27.55	140.2	32.10	152.3	36.18	156.9	36.99	163.0	37.95	167.6	38.63
		817.5	118.8	22.58	128.7	26.98	140.2	31.43	152.3	35.43	156.9	36.31	163.0	37.26	167.6	37.62
		981.0	118.8	22.25	128.7	26.70	140.2	31.10	152.3	35.06	156.9	35.97	163.0	36.92	167.6	37.12
	45	261.6	118.8	29.83	128.7	34.68	140.2	40.39	152.3	45.46	156.9	46.47	163.0	47.64	167.6	48.45
		327.0	118.8	29.23	128.7	34.10	140.2	39.72	152.3	44.73	156.9	45.71	163.0	46.88	167.6	47.68
		654.0	118.8	26.85	128.7	31.83	140.2	37.07	152.3	41.81	156.9	42.72	163.0	43.85	167.6	44.63
		817.5	118.8	26.06	128.7	31.19	140.2	36.29	152.3	40.94	156.9	41.95	163.0	43.05	167.6	43.49
		981.0	118.8	25.67	128.7	30.87	140.2	35.89	152.3	40.50	156.9	41.56	163.0	42.65	167.6	42.91
70	10	261.6	104.0	6.45	112.6	7.54	122.6	8.74	133.2	9.85	137.2	10.15	142.6	10.41	146.6	10.52
		327.0	104.0	6.33	112.6	7.41	122.6	8.60	133.2	9.70	137.2	9.99	142.6	10.24	146.6	10.36
		654.0	104.0	5.86	112.6	6.92	122.6	8.04	133.2	9.13	137.2	9.34	142.6	9.60	146.6	9.75
		817.5	104.0	5.72	112.6	6.75	122.6	7.91	133.2	8.92	137.2	9.12	142.6	9.36	146.6	9.49
		981.0	104.0	5.65	112.6	6.67	122.6	7.85	133.2	8.81	137.2	9.00	142.6	9.23	146.6	9.36
	15	261.6	104.0	8.80	112.6	10.24	122.6	11.90	133.2	13.41	137.2	13.74	142.6	14.08	146.6	14.31
		327.0	104.0	8.63	112.6	10.07	122.6	11.71	133.2	13.19	137.2	13.52	142.6	13.86	146.6	14.09
		654.0	104.0	7.94	112.6	9.40	122.6	10.95	133.2	12.36	137.2	12.64	142.6	12.99	146.6	13.19
		817.5	104.0	7.73	112.6	9.20	122.6	10.74	133.2	12.11	137.2	12.39	142.6	12.72	146.6	12.85
		981.0	104.0	7.63	112.6	9.09	122.6	10.63	133.2	11.98	137.2	12.27	142.6	12.58	146.6	12.68
	20	261.6	104.0	10.88	112.6	12.64	122.6	14.71	133.2	16.57	137.2	16.93	142.6	17.35	146.6	17.69
		327.0	104.0	10.66	112.6	12.43	122.6	14.47	133.2	16.30	137.2	16.66	142.6	17.08	146.6	17.40
		654.0	104.0	9.79	112.6	11.62	122.6	13.54	133.2	15.23	137.2	15.57	142.6	15.99	146.6	16.26
		817.5	104.0	9.52	112.6	11.37	122.6	13.25	133.2	14.95	137.2	15.31	142.6	15.71	146.6	15.84
		981.0	104.0	9.39	112.6	11.24	122.6	13.11	133.2	14.80	137.2	15.17	142.6	15.57	146.6	15.63
	25	261.6	104.0	13.25	112.6	15.41	122.6	17.91	133.2	20.19	137.2	20.67	142.6	21.16	146.6	21.55
		327.0	104.0	12.99	112.6	15.16	122.6	17.63	133.2	19.86	137.2	20.33	142.6	20.83	146.6	21.21
		654.0	104.0	11.96	112.6	14.15	122.6	16.51	133.2	18.56	137.2	19.02	142.6	19.52	146.6	19.86
		817.5	104.0	11.62	112.6	13.86	122.6	16.17	133.2	18.22	137.2	18.64	142.6	19.12	146.6	19.32
		981.0	104.0	11.44	112.6	13.72	122.6	15.99	133.2	18.05	137.2	18.45	142.6	18.91	146.6	19.06

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	261.6	104.0	16.30	112.6	18.93	122.6	22.04	133.2	24.83	137.2	25.43	142.6	26.04	146.6	26.53
		327.0	104.0	15.97	112.6	18.62	122.6	21.69	133.2	24.43	137.2	25.02	142.6	25.63	146.6	26.10
		654.0	104.0	14.68	112.6	17.40	122.6	20.28	133.2	22.85	137.2	23.40	142.6	23.99	146.6	24.41
		817.5	104.0	14.28	112.6	17.06	122.6	19.86	133.2	22.39	137.2	22.96	142.6	23.53	146.6	23.80
		981.0	104.0	14.08	112.6	16.89	122.6	19.65	133.2	22.16	137.2	22.75	142.6	23.30	146.6	23.49
	35	261.6	104.0	18.11	112.6	21.01	122.6	24.53	133.2	27.57	137.2	28.26	142.6	28.95	146.6	29.44
		327.0	104.0	17.75	112.6	20.68	122.6	24.12	133.2	27.13	137.2	27.80	142.6	28.48	146.6	28.98
		654.0	104.0	16.32	112.6	19.36	122.6	22.52	133.2	25.38	137.2	25.99	142.6	26.66	146.6	27.13
		817.5	104.0	15.86	112.6	18.92	122.6	22.09	133.2	24.89	137.2	25.49	142.6	26.16	146.6	26.45
		981.0	104.0	15.63	112.6	18.70	122.6	21.87	133.2	24.64	137.2	25.25	142.6	25.91	146.6	26.10
	40	261.6	104.0	21.45	112.6	24.88	122.6	29.03	133.2	32.69	137.2	33.46	142.6	34.27	146.6	34.88
		327.0	104.0	21.02	112.6	24.49	122.6	28.56	133.2	32.16	137.2	32.92	142.6	33.72	146.6	34.33
		654.0	104.0	19.32	112.6	22.92	122.6	26.71	133.2	30.06	137.2	30.79	142.6	31.55	146.6	32.16
		817.5	104.0	18.77	112.6	22.43	122.6	26.12	133.2	29.45	137.2	30.20	142.6	31.00	146.6	31.28
		981.0	104.0	18.50	112.6	22.18	122.6	25.83	133.2	29.15	137.2	29.90	142.6	30.72	146.6	30.84
	45	261.6	104.0	24.79	112.6	28.75	122.6	33.52	133.2	37.80	137.2	38.66	142.6	39.59	146.6	40.31
		327.0	104.0	24.29	112.6	28.29	122.6	33.00	133.2	37.19	137.2	38.04	142.6	38.96	146.6	39.68
		654.0	104.0	22.33	112.6	26.48	122.6	30.90	133.2	34.75	137.2	35.59	142.6	36.44	146.6	37.19
		817.5	104.0	21.69	112.6	25.94	122.6	30.16	133.2	34.02	137.2	34.90	142.6	35.83	146.6	36.12
		981.0	104.0	21.36	112.6	25.66	122.6	29.78	133.2	33.66	137.2	34.55	142.6	35.53	146.6	35.58
60	10	261.6	89.1	5.15	96.5	5.97	105.1	6.94	114.2	7.90	117.7	8.11	122.2	8.23	125.6	8.40
		327.0	89.1	5.05	96.5	5.87	105.1	6.84	114.2	7.77	117.7	7.97	122.2	8.11	125.6	8.28
		654.0	89.1	4.65	96.5	5.49	105.1	6.47	114.2	7.23	117.7	7.41	122.2	7.64	125.6	7.77
		817.5	89.1	4.48	96.5	5.44	105.1	6.34	114.2	7.13	117.7	7.29	122.2	7.45	125.6	7.59
		981.0	89.1	4.39	96.5	5.42	105.1	6.28	114.2	7.07	117.7	7.22	122.2	7.36	125.6	7.49
	15	261.6	89.1	7.01	96.5	8.15	105.1	9.47	114.2	10.70	117.7	10.98	122.2	11.20	125.6	11.41
		327.0	89.1	6.87	96.5	8.02	105.1	9.33	114.2	10.53	117.7	10.80	122.2	11.02	125.6	11.23
		654.0	89.1	6.32	96.5	7.48	105.1	8.76	114.2	9.84	117.7	10.07	122.2	10.34	125.6	10.53
		817.5	89.1	6.13	96.5	7.35	105.1	8.57	114.2	9.65	117.7	9.88	122.2	10.13	125.6	10.26
		981.0	89.1	6.03	96.5	7.28	105.1	8.47	114.2	9.56	117.7	9.78	122.2	10.02	125.6	10.13
	20	261.6	89.1	8.67	96.5	10.09	105.1	11.73	114.2	13.19	117.7	13.53	122.2	13.83	125.6	14.08
		327.0	89.1	8.49	96.5	9.92	105.1	11.54	114.2	12.99	117.7	13.31	122.2	13.61	125.6	13.86
		654.0	89.1	7.81	96.5	9.25	105.1	10.80	114.2	12.17	117.7	12.43	122.2	12.74	125.6	12.99
		817.5	89.1	7.60	96.5	9.04	105.1	10.55	114.2	11.90	117.7	12.18	122.2	12.51	125.6	12.64
		981.0	89.1	7.49	96.5	8.94	105.1	10.42	114.2	11.77	117.7	12.06	122.2	12.40	125.6	12.47
	25	261.6	89.1	10.55	96.5	12.29	105.1	14.31	114.2	16.10	117.7	16.47	122.2	16.87	125.6	17.20
		327.0	89.1	10.34	96.5	12.09	105.1	14.07	114.2	15.84	117.7	16.20	122.2	16.60	125.6	16.93
		654.0	89.1	9.52	96.5	11.29	105.1	13.14	114.2	14.81	117.7	15.16	122.2	15.56	125.6	15.84
		817.5	89.1	9.25	96.5	11.02	105.1	12.87	114.2	14.49	117.7	14.89	122.2	15.25	125.6	15.42
		981.0	89.1	9.12	96.5	10.89	105.1	12.74	114.2	14.33	117.7	14.76	122.2	15.10	125.6	15.21
	30	261.6	89.1	12.97	96.5	15.07	105.1	17.57	114.2	19.77	117.7	20.26	122.2	20.74	125.6	21.15
		327.0	89.1	12.72	96.5	14.83	105.1	17.29	114.2	19.46	117.7	19.93	122.2	20.41	125.6	20.81
		654.0	89.1	11.71	96.5	13.88	105.1	16.18	114.2	18.22	117.7	18.64	122.2	19.12	125.6	19.46
		817.5	89.1	11.37	96.5	13.59	105.1	15.84	114.2	17.88	117.7	18.30	122.2	18.77	125.6	18.96
		981.0	89.1	11.19	96.5	13.45	105.1	15.67	114.2	17.71	117.7	18.13	122.2	18.60	125.6	18.72
	35	261.6	89.1	14.44	96.5	16.78	105.1	19.55	114.2	21.98	117.7	22.52	122.2	23.09	125.6	23.49
		327.0	89.1	14.15	96.5	16.51	105.1	19.23	114.2	21.63	117.7	22.16	122.2	22.71	125.6	23.11
		654.0	89.1	13.00	96.5	15.42	105.1	17.95	114.2	20.26	117.7	20.73	122.2	21.23	125.6	21.63
		817.5	89.1	12.64	96.5	15.10	105.1	17.61	114.2	19.84	117.7	20.33	122.2	20.87	125.6	21.08
		981.0	89.1	12.46	96.5	14.94	105.1	17.44	114.2	19.63	117.7	20.13	122.2	20.69	125.6	20.80
	40	261.6	89.1	17.07	96.5	19.85	105.1	23.15	114.2	26.05	117.7	26.67	122.2	27.30	125.6	27.85
		327.0	89.1	16.74	96.5	19.53	105.1	22.77	114.2	25.63	117.7	26.24	122.2	26.87	125.6	27.40
		654.0	89.1	15.42	96.5	18.28	105.1	21.29	114.2	23.95	117.7	24.54	122.2	25.15	125.6	25.63
		817.5	89.1	14.97	96.5	17.88	105.1	20.87	114.2	23.48	117.7	24.07	122.2	24.69	125.6	24.94
		981.0	89.1	14.74	96.5	17.68	105.1	20.66	114.2	23.24	117.7	23.83	122.2	24.46	125.6	24.60
	45	261.6	89.1	19.70	96.5	22.92	105.1	26.74	114.2	30.13	117.7	30.81	122.2	31.51	125.6	32.20
		327.0	89.1	19.32	96.5	22.56	105.1	26.31	114.2	29.63	117.7	30.31	122.2	31.02	125.6	31.68
		654.0	89.1	17.84	96.5	21.14	105.1	24.62	114.2	27.64	117.7	28.35	122.2	29.08	125.6	29.63
		817.5	89.1	17.29	96.5	20.66	105.1	24.12	114.2	27.11	117.7	27.80	122.2	28.52	125.6	28.81
		981.0	89.1	17.01	96.5	20.42	105.1	23.88	114.2	26.84	117.7	27.52	122.2	28.24	125.6	28.40
50	10	261.6	74.3	3.85	80.4	4.44	87.5	5.28	95.3	5.83	98.1	5.99	101.8	6.17	104.7	6.28
		327.0	74.3	3.77	80.4	4.37	87.5	5.19	95.3	5.75	98.1	5.91	101.8	6.06	104.7	6.17
		654.0	74.3	3.44	80.4	4.12	87.5	4.84	95.3	5.44	98.1	5.61	101.8	5.63	104.7	5.75
		817.5	74.3	3.35	80.4	4.11	87.5	4.73	95.3	5.29	98.1	5.38	101.8	5.57	104.7	5.60
		981.0	74.3	3.30	80.4	4.11	87.5	4.67	95.3	5.22	98.1	5.26	101.8	5.53	104.7	5.52

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	261.6	74.3	5.23	80.4	6.08	87.5	7.10	95.3	7.95	98.1	8.16	101.8	8.36	104.7	8.52
		327.0	74.3	5.12	80.4	5.98	87.5	6.99	95.3	7.83	98.1	8.03	101.8	8.23	104.7	8.38
		654.0	74.3	4.70	80.4	5.58	87.5	6.53	95.3	7.35	98.1	7.54	101.8	7.69	104.7	7.83
		817.5	74.3	4.57	80.4	5.50	87.5	6.40	95.3	7.20	98.1	7.35	101.8	7.56	104.7	7.63
		981.0	74.3	4.50	80.4	5.47	87.5	6.33	95.3	7.12	98.1	7.25	101.8	7.49	104.7	7.54
	20	261.6	74.3	6.45	80.4	7.54	87.5	8.73	95.3	9.83	98.1	10.09	101.8	10.31	104.7	10.51
		327.0	74.3	6.32	80.4	7.41	87.5	8.59	95.3	9.67	98.1	9.92	101.8	10.15	104.7	10.34
		654.0	74.3	5.83	80.4	6.87	87.5	8.03	95.3	9.04	98.1	9.25	101.8	9.52	104.7	9.67
		817.5	74.3	5.65	80.4	6.74	87.5	7.88	95.3	8.89	98.1	9.10	101.8	9.33	104.7	9.44
		981.0	74.3	5.57	80.4	6.67	87.5	7.81	95.3	8.82	98.1	9.03	101.8	9.23	104.7	9.33
	25	261.6	74.3	7.85	80.4	9.13	87.5	10.64	95.3	12.03	98.1	12.29	101.8	12.58	104.7	12.78
		327.0	74.3	7.69	80.4	8.99	87.5	10.47	95.3	11.82	98.1	12.09	101.8	12.38	104.7	12.59
		654.0	74.3	7.08	80.4	8.42	87.5	9.80	95.3	11.02	98.1	11.29	101.8	11.58	104.7	11.82
		817.5	74.3	6.87	80.4	8.23	87.5	9.60	95.3	10.81	98.1	11.08	101.8	11.37	104.7	11.50
		981.0	74.3	6.77	80.4	8.13	87.5	9.49	95.3	10.71	98.1	10.98	101.8	11.26	104.7	11.34
	30	261.6	74.3	9.70	80.4	11.27	87.5	13.13	95.3	14.79	98.1	15.14	101.8	15.47	104.7	15.75
		327.0	74.3	9.50	80.4	11.08	87.5	12.91	95.3	14.55	98.1	14.89	101.8	15.23	104.7	15.50
		654.0	74.3	8.72	80.4	10.34	87.5	12.05	95.3	13.59	98.1	13.88	101.8	14.28	104.7	14.49
		817.5	74.3	8.49	80.4	10.13	87.5	11.82	95.3	13.33	98.1	13.65	101.8	14.00	104.7	14.15
		981.0	74.3	8.38	80.4	10.02	87.5	11.71	95.3	13.19	98.1	13.54	101.8	13.85	104.7	13.97
	35	261.6	74.3	10.76	80.4	12.50	87.5	14.57	95.3	16.39	98.1	16.80	101.8	17.20	104.7	17.49
		327.0	74.3	10.55	80.4	12.30	87.5	14.34	95.3	16.13	98.1	16.53	101.8	16.93	104.7	17.21
		654.0	74.3	9.71	80.4	11.50	87.5	13.40	95.3	15.10	98.1	15.44	101.8	15.84	104.7	16.13
		817.5	74.3	9.44	80.4	11.27	87.5	13.12	95.3	14.81	98.1	15.16	101.8	15.56	104.7	15.71
		981.0	74.3	9.31	80.4	11.16	87.5	12.98	95.3	14.67	98.1	15.01	101.8	15.41	104.7	15.50
	40	261.6	74.3	12.77	80.4	14.81	87.5	17.27	95.3	19.43	98.1	19.90	101.8	20.37	104.7	20.74
		327.0	74.3	12.51	80.4	14.56	87.5	16.98	95.3	19.12	98.1	19.57	101.8	20.05	104.7	20.41
		654.0	74.3	11.48	80.4	13.61	87.5	15.86	95.3	17.88	98.1	18.30	101.8	18.77	104.7	19.10
		817.5	74.3	11.16	80.4	13.33	87.5	15.56	95.3	17.54	98.1	17.95	101.8	18.41	104.7	18.58
		981.0	74.3	10.99	80.4	13.19	87.5	15.41	95.3	17.36	98.1	17.78	101.8	18.23	104.7	18.32
	45	261.6	74.3	14.78	80.4	17.11	87.5	19.96	95.3	22.47	98.1	22.99	101.8	23.54	104.7	24.00
		327.0	74.3	14.47	80.4	16.83	87.5	19.63	95.3	22.11	98.1	22.62	101.8	23.17	104.7	23.61
		654.0	74.3	13.25	80.4	15.73	87.5	18.31	95.3	20.66	98.1	21.15	101.8	21.70	104.7	22.07
		817.5	74.3	12.87	80.4	15.38	87.5	17.99	95.3	20.26	98.1	20.75	101.8	21.27	104.7	21.46
		981.0	74.3	12.68	80.4	15.21	87.5	17.83	95.3	20.06	98.1	20.55	101.8	21.05	104.7	21.15

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.

2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(70HP)

ARWN700LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	269.2	182.2	12.89	197.4	15.09	214.8	17.59	233.4	19.73	240.6	20.18	250.0	20.81	256.9	21.12
		336.5	182.2	12.66	197.4	14.83	214.8	17.29	233.4	19.41	240.6	19.88	250.0	20.47	256.9	20.80
		673.0	182.2	11.73	197.4	13.79	214.8	16.10	233.4	18.15	240.6	18.68	250.0	19.09	256.9	19.53
		841.3	182.2	11.38	197.4	13.57	214.8	15.83	233.4	17.76	240.6	18.28	250.0	18.74	256.9	19.02
		1009.5	182.2	11.21	197.4	13.46	214.8	15.69	233.4	17.55	240.6	18.08	250.0	18.57	256.9	18.76
	15	269.2	179.2	16.99	194.1	19.79	211.3	23.07	229.7	25.92	236.7	26.54	245.9	27.23	252.8	27.70
		336.5	179.2	16.66	194.1	19.47	211.3	22.69	229.7	25.51	236.7	26.12	245.9	26.80	252.8	27.28
		673.0	179.2	15.36	194.1	18.17	211.3	21.19	229.7	23.86	236.7	24.47	245.9	25.10	252.8	25.63
		841.3	179.2	14.94	194.1	17.82	211.3	20.77	229.7	23.38	236.7	23.99	245.9	24.61	252.8	25.03
		1009.5	179.2	14.73	194.1	17.64	211.3	20.56	229.7	23.14	236.7	23.75	245.9	24.36	252.8	24.72
	20	269.2	176.6	20.63	191.3	23.97	208.3	27.94	226.5	31.42	233.2	32.19	242.2	32.94	249.1	33.54
		336.5	176.6	20.22	191.3	23.59	208.3	27.49	226.5	30.92	233.2	31.67	242.2	32.43	249.1	33.04
		673.0	176.6	18.58	191.3	22.07	208.3	25.71	226.5	28.93	233.2	29.63	242.2	30.44	249.1	31.06
		841.3	176.6	18.10	191.3	21.59	208.3	25.16	226.5	28.38	233.2	29.07	242.2	29.82	249.1	30.37
		1009.5	176.6	17.86	191.3	21.36	208.3	24.89	226.5	28.10	233.2	28.80	242.2	29.52	249.1	30.02
	25	269.2	176.6	25.46	191.3	29.54	208.3	34.43	226.5	38.82	233.2	39.71	242.2	40.66	249.1	41.35
		336.5	176.6	24.95	191.3	29.07	208.3	33.87	226.5	38.18	233.2	39.07	242.2	40.04	249.1	40.73
		673.0	176.6	22.96	191.3	27.21	208.3	31.67	226.5	35.66	233.2	36.54	242.2	37.56	249.1	38.26
		841.3	176.6	22.28	191.3	26.60	208.3	31.05	226.5	34.97	233.2	35.86	242.2	36.81	249.1	37.43
		1009.5	176.6	21.94	191.3	26.30	208.3	30.73	226.5	34.62	233.2	35.52	242.2	36.44	249.1	37.01
	30	269.2	176.6	30.57	191.3	35.47	208.3	41.31	226.5	46.56	233.2	47.65	242.2	48.81	249.1	49.63
		336.5	176.6	29.95	191.3	34.90	208.3	40.65	226.5	45.80	233.2	46.89	242.2	48.05	249.1	48.88
		673.0	176.6	27.50	191.3	32.63	208.3	38.04	226.5	42.78	233.2	43.88	242.2	45.04	249.1	45.93
		841.3	176.6	26.74	191.3	31.94	208.3	37.23	226.5	41.96	233.2	43.05	242.2	44.15	249.1	44.90
		1009.5	176.6	26.35	191.3	31.60	208.3	36.83	226.5	41.54	233.2	42.64	242.2	43.70	249.1	44.38
	35	269.2	159.0	30.85	172.1	35.89	187.4	41.81	203.8	47.02	209.9	48.21	218.1	49.37	224.2	50.17
		336.5	159.0	30.24	172.1	35.30	187.4	41.13	203.8	46.28	209.9	47.44	218.1	48.59	224.2	49.43
		673.0	159.0	27.83	172.1	32.98	187.4	38.45	203.8	43.32	209.9	44.36	218.1	45.52	224.2	46.48
		841.3	159.0	27.07	172.1	32.29	187.4	37.64	203.8	42.44	209.9	43.53	218.1	44.64	224.2	45.39
		1009.5	159.0	26.69	172.1	31.94	187.4	37.23	203.8	42.00	209.9	43.12	218.1	44.19	224.2	44.84
	40	269.2	141.2	32.60	153.1	37.83	166.6	44.10	181.1	49.62	186.6	50.78	193.8	52.01	199.3	52.97
		336.5	141.2	31.94	153.1	37.22	166.6	43.39	181.1	48.82	186.6	49.98	193.8	51.21	199.3	52.17
		673.0	141.2	29.34	153.1	34.82	166.6	40.58	181.1	45.66	186.6	46.82	193.8	48.05	199.3	49.01
		841.3	141.2	28.52	153.1	34.07	166.6	39.69	181.1	44.76	186.6	45.93	193.8	47.10	199.3	47.92
		1009.5	141.2	28.11	153.1	33.69	166.6	39.25	181.1	44.31	186.6	45.49	193.8	46.62	199.3	47.36
	45	269.2	123.5	34.35	134.0	39.77	145.7	46.38	158.4	52.21	163.3	53.34	169.5	54.65	174.3	55.76
		336.5	123.5	33.65	134.0	39.14	145.7	45.64	158.4	51.36	163.3	52.52	169.5	53.83	174.3	54.91
		673.0	123.5	30.86	134.0	36.66	145.7	42.71	158.4	48.01	163.3	49.28	169.5	50.58	174.3	51.55
		841.3	123.5	29.97	134.0	35.85	145.7	41.75	158.4	47.09	163.3	48.33	169.5	49.56	174.3	50.44
		1009.5	123.5	29.52	134.0	35.45	145.7	41.27	158.4	46.63	163.3	47.85	169.5	49.05	174.3	49.89
120	10	269.2	172.5	12.29	186.6	14.32	203.4	16.59	221.0	18.71	227.6	19.25	236.6	19.71	243.1	19.96
		336.5	172.5	12.04	186.6	14.09	203.4	16.34	221.0	18.40	227.6	18.92	236.6	19.38	243.1	19.66
		673.0	172.5	11.04	186.6	13.16	203.4	15.35	221.0	17.19	227.6	17.60	236.6	18.07	243.1	18.46
		841.3	172.5	10.72	186.6	12.77	203.4	15.01	221.0	16.81	227.6	17.33	236.6	17.75	243.1	18.06
		1009.5	172.5	10.55	186.6	12.57	203.4	14.83	221.0	16.62	227.6	17.19	236.6	17.59	243.1	17.86
	15	269.2	170.4	16.30	184.6	18.95	201.1	22.01	218.5	24.81	225.0	25.43	233.8	26.05	240.4	26.46
		336.5	170.4	15.97	184.6	18.64	201.1	21.67	218.5	24.41	225.0	25.02	233.8	25.63	240.4	26.06
		673.0	170.4	14.67	184.6	17.41	201.1	20.29	218.5	22.83	225.0	23.38	233.8	23.99	240.4	24.47
		841.3	170.4	14.26	184.6	17.00	201.1	19.87	218.5	22.35	225.0	22.96	233.8	23.52	240.4	23.92
		1009.5	170.4	14.06	184.6	16.80	201.1	19.66	218.5	22.12	225.0	22.75	233.8	23.29	240.4	23.64
	20	269.2	168.6	19.86	182.7	23.07	199.1	26.84	216.2	30.24	222.8	30.93	231.4	31.68	237.9	32.23
		336.5	168.6	19.47	182.7	22.69	199.1	26.40	216.2	29.75	222.8	30.44	231.4	31.19	237.9	31.74
		673.0	168.6	17.89	182.7	21.19	199.1	24.68	216.2	27.83	222.8	28.51	231.4	29.26	237.9	29.82
		841.3	168.6	17.41	182.7	20.77	199.1	24.20	216.2	27.28	222.8	27.97	231.4	28.66	237.9	29.13
		1009.5	168.6	17.17	182.7	20.56	199.1	23.96	216.2	27.00	222.8	27.70	231.4	28.35	237.9	28.78
	25	269.2	168.6	24.41	182.7	28.36	199.1	33.02	216.2	37.13	222.8	38.04	231.4	39.00	237.9	39.68
		336.5	168.6	23.92	182.7	27.90	199.1	32.49	216.2	36.54	222.8	37.43	231.4	38.38	237.9	39.07
		673.0	168.6	22.00	182.7	26.05	199.1	30.37	216.2	34.21	222.8	35.03	231.4	35.93	237.9	36.67
		841.3	168.6	21.39	182.7	25.51	199.1	29.75	216.2	33.52	222.8	34.35	231.4	35.24	237.9	35.78
		1009.5	168.6	21.08	182.7	25.23	199.1	29.44	216.2	33.17	222.8	34.01	231.4	34.89	237.9	35.34
	30	269.2	168.6	29.44	182.7	34.28	199.1	39.93	216.2	44.94	222.8	45.98	231.4	47.15	237.9	47.97
		336.5	168.6	28.86	182.7	33.73	199.1	39.28	216.2	44.21	222.8	45.25	231.4	46.40	237.9	47.23
		673.0	168.6	26.59	182.7	31.53	199.1	36.68	216.2	41.34	222.8	42.36	231.4	43.46	237.9	44.29
		841.3	168.6	25.84	182.7	30.85	199.1	35.93	216.2	40.52	222.8	41.55	231.4	42.64	237.9	43.26
		1009.5	168.6	25.46	182.7	30.51	199.1	35.55	216.2	40.10	222.8	41.14	231.4	42.22	237.9	42.74

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	269.2	154.3	30.22	167.2	35.12	182.1	40.90	197.9	46.06	203.8	47.17	211.7	48.26	217.7	49.15
		336.5	154.3	29.62	167.2	34.55	182.1	40.24	197.9	45.32	203.8	46.41	211.7	47.52	217.7	48.40
		673.0	154.3	27.22	167.2	32.29	182.1	37.63	197.9	42.36	203.8	43.40	211.7	44.56	217.7	45.39
		841.3	154.3	26.47	167.2	31.61	182.1	36.88	197.9	41.54	203.8	42.58	211.7	43.67	217.7	44.35
		1009.5	154.3	26.09	167.2	31.27	182.1	36.50	197.9	41.13	203.8	42.17	211.7	43.22	217.7	43.82
	40	269.2	140.0	32.52	151.6	37.76	165.2	44.04	179.6	49.55	185.0	50.73	192.1	51.96	197.4	52.91
		336.5	140.0	31.88	151.6	37.16	165.2	43.32	179.6	48.75	185.0	49.92	192.1	51.15	197.4	52.10
		673.0	140.0	29.34	151.6	34.76	165.2	40.51	179.6	45.59	185.0	46.69	192.1	47.92	197.4	48.87
		841.3	140.0	28.51	151.6	34.01	165.2	39.68	179.6	44.70	185.0	45.86	192.1	47.03	197.4	47.72
		1009.5	140.0	28.10	151.6	33.63	165.2	39.27	179.6	44.25	185.0	45.44	192.1	46.58	197.4	47.13
	45	269.2	125.7	34.82	136.1	40.41	148.2	47.18	161.4	53.03	166.1	54.29	172.5	55.66	177.2	56.67
		336.5	125.7	34.14	136.1	39.77	148.2	46.41	161.4	52.18	166.1	53.42	172.5	54.78	177.2	55.80
		673.0	125.7	31.45	136.1	37.23	148.2	43.39	161.4	48.81	166.1	49.99	172.5	51.29	177.2	52.36
		841.3	125.7	30.56	136.1	36.41	148.2	42.49	161.4	47.86	166.1	49.14	172.5	50.39	177.2	51.08
		1009.5	125.7	30.11	136.1	35.99	148.2	42.04	161.4	47.38	166.1	48.71	172.5	49.93	177.2	50.44
110	10	269.2	162.6	11.59	176.3	13.43	191.9	15.72	208.4	17.65	214.5	18.05	223.1	18.58	229.1	18.87
		336.5	162.6	11.36	176.3	13.21	191.9	15.45	208.4	17.37	214.5	17.78	223.1	18.28	229.1	18.57
		673.0	162.6	10.43	176.3	12.36	191.9	14.41	208.4	16.24	214.5	16.71	223.1	17.11	229.1	17.39
		841.3	162.6	10.16	176.3	12.10	191.9	14.07	208.4	15.99	214.5	16.26	223.1	16.78	229.1	16.97
		1009.5	162.6	10.03	176.3	11.96	191.9	13.91	208.4	15.86	214.5	16.04	223.1	16.61	229.1	16.76
	15	269.2	161.7	15.53	175.1	18.05	190.7	21.04	207.3	23.69	213.4	24.24	221.7	24.86	227.9	25.29
		336.5	161.7	15.22	175.1	17.76	190.7	20.70	207.3	23.31	213.4	23.86	221.7	24.46	227.9	24.89
		673.0	161.7	13.99	175.1	16.60	190.7	19.34	207.3	21.79	213.4	22.35	221.7	22.90	227.9	23.31
		841.3	161.7	13.64	175.1	16.25	190.7	18.92	207.3	21.39	213.4	21.87	221.7	22.48	227.9	22.75
		1009.5	161.7	13.46	175.1	16.08	190.7	18.71	207.3	21.18	213.4	21.64	221.7	22.27	227.9	22.47
	20	269.2	160.8	19.03	174.1	22.16	189.7	25.77	206.2	29.05	212.3	29.75	220.5	30.45	226.8	30.99
		336.5	160.8	18.65	174.1	21.79	189.7	25.36	206.2	28.58	212.3	29.26	220.5	29.96	226.8	30.50
		673.0	160.8	17.15	174.1	20.36	189.7	23.72	206.2	26.73	212.3	27.35	220.5	28.04	226.8	28.58
		841.3	160.8	16.72	174.1	19.95	189.7	23.23	206.2	26.18	212.3	26.86	220.5	27.55	226.8	27.90
		1009.5	160.8	16.51	174.1	19.74	189.7	22.99	206.2	25.91	212.3	26.62	220.5	27.31	226.8	27.55
	25	269.2	160.8	23.29	174.1	27.10	189.7	31.56	206.2	35.54	212.3	36.37	220.5	37.27	226.8	37.95
		336.5	160.8	22.83	174.1	26.66	189.7	31.06	206.2	34.97	212.3	35.79	220.5	36.68	226.8	37.36
		673.0	160.8	21.04	174.1	24.94	189.7	29.06	206.2	32.70	212.3	33.52	220.5	34.35	226.8	35.02
		841.3	160.8	20.44	174.1	24.40	189.7	28.45	206.2	32.08	212.3	32.84	220.5	33.73	226.8	34.13
		1009.5	160.8	20.13	174.1	24.13	189.7	28.14	206.2	31.77	212.3	32.50	220.5	33.41	226.8	33.69
	30	269.2	160.8	28.40	174.1	33.03	189.7	38.47	206.2	43.34	212.3	44.38	220.5	45.41	226.8	46.25
		336.5	160.8	27.84	174.1	32.50	189.7	37.85	206.2	42.64	212.3	43.67	220.5	44.70	226.8	45.52
		673.0	160.8	25.63	174.1	30.38	189.7	35.37	206.2	39.84	212.3	40.85	220.5	41.88	226.8	42.65
		841.3	160.8	24.94	174.1	29.75	189.7	34.69	206.2	39.08	212.3	40.04	220.5	41.07	226.8	41.61
		1009.5	160.8	24.60	174.1	29.44	189.7	34.34	206.2	38.70	212.3	39.63	220.5	40.66	226.8	41.09
	35	269.2	149.8	29.58	162.3	34.36	176.8	39.99	192.1	45.08	197.8	46.12	205.6	47.23	211.3	48.12
		336.5	149.8	28.99	162.3	33.80	176.8	39.35	192.1	44.35	197.8	45.38	205.6	46.48	211.3	47.36
		673.0	149.8	26.66	162.3	31.60	176.8	36.81	192.1	41.47	197.8	42.44	205.6	43.53	211.3	44.36
		841.3	149.8	25.91	162.3	30.92	176.8	36.05	192.1	40.64	197.8	41.68	205.6	42.71	211.3	43.26
		1009.5	149.8	25.54	162.3	30.58	176.8	35.67	192.1	40.23	197.8	41.29	205.6	42.29	211.3	42.71
	40	269.2	138.8	32.46	150.4	37.77	163.7	43.96	178.0	49.47	183.3	50.66	190.5	51.89	195.8	52.86
		336.5	138.8	31.82	150.4	37.15	163.7	43.25	178.0	48.68	183.3	49.84	190.5	51.07	195.8	52.03
		673.0	138.8	29.27	150.4	34.70	163.7	40.45	178.0	45.52	183.3	46.62	190.5	47.85	195.8	48.74
		841.3	138.8	28.45	150.4	33.94	163.7	39.62	178.0	44.63	183.3	45.79	190.5	46.96	195.8	47.51
		1009.5	138.8	28.03	150.4	33.57	163.7	39.21	178.0	44.18	183.3	45.37	190.5	46.50	195.8	46.89
	45	269.2	127.8	35.34	138.6	41.18	150.7	47.93	163.9	53.87	168.8	55.19	175.3	56.55	180.3	57.59
		336.5	127.8	34.64	138.6	40.50	150.7	47.15	163.9	53.00	168.8	54.31	175.3	55.67	180.3	56.69
		673.0	127.8	31.88	138.6	37.79	150.7	44.08	163.9	49.58	168.8	50.80	175.3	52.17	180.3	53.12
		841.3	127.8	30.98	138.6	36.97	150.7	43.19	163.9	48.61	168.8	49.90	175.3	51.20	180.3	51.75
		1009.5	127.8	30.53	138.6	36.55	150.7	42.74	163.9	48.13	168.8	49.44	175.3	50.72	180.3	51.07
100	10	269.2	152.9	10.97	165.5	12.75	180.3	14.68	196.0	16.69	201.9	16.95	209.7	17.50	215.6	17.81
		336.5	152.9	10.75	165.5	12.53	180.3	14.46	196.0	16.42	201.9	16.70	209.7	17.21	215.6	17.53
		673.0	152.9	9.89	165.5	11.68	180.3	13.58	196.0	15.36	201.9	15.69	209.7	16.08	215.6	16.41
		841.3	152.9	9.55	165.5	11.41	180.3	13.27	196.0	15.03	201.9	15.37	209.7	15.75	215.6	15.89
		1009.5	152.9	9.39	165.5	11.27	180.3	13.11	196.0	14.86	201.9	15.21	209.7	15.59	215.6	15.63
	15	269.2	152.9	14.83	165.5	17.21	180.3	20.00	196.0	22.57	201.9	23.06	209.7	23.69	215.6	24.10
		336.5	152.9	14.53	165.5	16.93	180.3	19.68	196.0	22.21	201.9	22.70	209.7	23.31	215.6	23.71
		673.0	152.9	13.36	165.5	15.84	180.3	18.43	196.0	20.77	201.9	21.25	209.7	21.79	215.6	22.20
		841.3	152.9	12.96	165.5	15.49	180.3	18.04	196.0	20.35	201.9	20.84	209.7	21.39	215.6	21.59
		1009.5	152.9	12.75	165.5	15.32	180.3	17.84	196.0	20.14	201.9	20.64	209.7	21.18	215.6	21.29

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	269.2	152.9	18.25	165.5	21.17	180.3	24.73	196.0	27.80	201.9	28.50	209.7	29.19	215.6	29.68
		336.5	152.9	17.89	165.5	20.84	180.3	24.33	196.0	27.35	201.9	28.03	209.7	28.72	215.6	29.21
		673.0	152.9	16.45	165.5	19.53	180.3	22.75	196.0	25.58	201.9	26.19	209.7	26.87	215.6	27.35
		841.3	152.9	15.98	165.5	19.12	180.3	22.27	196.0	25.09	201.9	25.71	209.7	26.39	215.6	26.66
		1009.5	152.9	15.74	165.5	18.92	180.3	22.03	196.0	24.84	201.9	25.46	209.7	26.15	215.6	26.32
	25	269.2	152.9	22.24	165.5	25.85	180.3	30.11	196.0	33.94	201.9	34.77	209.7	35.60	215.6	36.22
		336.5	152.9	21.80	165.5	25.43	180.3	29.63	196.0	33.38	201.9	34.20	209.7	35.03	215.6	35.65
		673.0	152.9	20.08	165.5	23.79	180.3	27.70	196.0	31.19	201.9	31.95	209.7	32.77	215.6	33.38
		841.3	152.9	19.53	165.5	23.31	180.3	27.14	196.0	30.58	201.9	31.34	209.7	32.15	215.6	32.50
		1009.5	152.9	19.25	165.5	23.06	180.3	26.87	196.0	30.27	201.9	31.03	209.7	31.84	215.6	32.05
	30	269.2	152.9	27.35	165.5	31.85	180.3	37.08	196.0	41.74	201.9	42.72	209.7	43.75	215.6	44.58
		336.5	152.9	26.81	165.5	31.33	180.3	36.47	196.0	41.06	201.9	42.03	209.7	43.05	215.6	43.87
		673.0	152.9	24.68	165.5	29.27	180.3	34.07	196.0	38.39	201.9	39.29	209.7	40.31	215.6	41.06
		841.3	152.9	23.99	165.5	28.66	180.3	33.38	196.0	37.64	201.9	38.59	209.7	39.56	215.6	39.97
		1009.5	152.9	23.65	165.5	28.35	180.3	33.04	196.0	37.26	201.9	38.24	209.7	39.18	215.6	39.41
	35	269.2	145.3	28.88	157.4	33.58	171.3	39.09	186.2	44.03	191.7	45.08	199.3	46.18	204.8	47.02
		336.5	145.3	28.31	157.4	33.04	171.3	38.46	186.2	43.32	191.7	44.36	199.3	45.45	204.8	46.28
		673.0	145.3	26.05	157.4	30.91	171.3	35.99	186.2	40.52	191.7	41.48	199.3	42.56	204.8	43.32
		841.3	145.3	25.36	157.4	30.23	171.3	35.24	186.2	39.76	191.7	40.72	199.3	41.75	204.8	42.17
		1009.5	145.3	25.02	157.4	29.89	171.3	34.86	186.2	39.38	191.7	40.33	199.3	41.34	204.8	41.58
	40	269.2	137.6	32.45	149.0	37.69	162.3	43.90	176.4	49.41	181.7	50.59	188.8	51.83	194.0	52.73
		336.5	137.6	31.80	149.0	37.09	162.3	43.19	176.4	48.61	181.7	49.77	188.8	51.00	194.0	51.90
		673.0	137.6	29.21	149.0	34.68	162.3	40.37	176.4	45.45	181.7	46.55	188.8	47.72	194.0	48.60
		841.3	137.6	28.44	149.0	33.93	162.3	39.55	176.4	44.56	181.7	45.66	188.8	46.83	194.0	47.31
		1009.5	137.6	28.05	149.0	33.55	162.3	39.13	176.4	44.12	181.7	45.21	188.8	46.38	194.0	46.66
	45	269.2	129.8	36.02	140.6	41.81	153.3	48.71	166.6	54.79	171.7	56.09	178.4	57.48	183.2	58.44
		336.5	129.8	35.28	140.6	41.13	153.3	47.92	166.6	53.90	171.7	55.19	178.4	56.55	183.2	57.52
		673.0	129.8	32.37	140.6	38.44	153.3	44.76	166.6	50.39	171.7	51.62	178.4	52.87	183.2	53.88
		841.3	129.8	31.52	140.6	37.62	153.3	43.86	166.6	49.37	171.7	50.60	178.4	51.91	183.2	52.45
		1009.5	129.8	31.09	140.6	37.21	153.3	43.41	166.6	48.86	171.7	50.09	178.4	51.43	183.2	51.73
90	10	269.2	137.6	9.34	149.0	10.84	162.3	12.67	176.4	14.33	181.7	14.59	188.8	14.90	194.0	15.35
		336.5	137.6	9.17	149.0	10.69	162.3	12.47	176.4	14.11	181.7	14.37	188.8	14.70	194.0	15.10
		673.0	137.6	8.49	149.0	10.08	162.3	11.69	176.4	13.24	181.7	13.51	188.8	13.91	194.0	14.11
		841.3	137.6	8.24	149.0	9.76	162.3	11.47	176.4	12.86	181.7	13.25	188.8	13.65	194.0	13.65
		1009.5	137.6	8.11	149.0	9.59	162.3	11.36	176.4	12.67	181.7	13.12	188.8	13.52	194.0	13.42
	15	269.2	137.6	12.72	149.0	14.77	162.3	17.22	176.4	19.44	181.7	19.85	188.8	20.33	194.0	20.76
		336.5	137.6	12.48	149.0	14.54	162.3	16.94	176.4	19.12	181.7	19.54	188.8	20.02	194.0	20.43
		673.0	137.6	11.51	149.0	13.64	162.3	15.84	176.4	17.88	181.7	18.30	188.8	18.78	194.0	19.12
		841.3	137.6	11.17	149.0	13.30	162.3	15.56	176.4	17.48	181.7	17.95	188.8	18.43	194.0	18.58
		1009.5	137.6	11.00	149.0	13.13	162.3	15.41	176.4	17.28	181.7	17.78	188.8	18.26	194.0	18.31
	20	269.2	137.6	15.73	149.0	18.26	162.3	21.26	176.4	23.97	181.7	24.53	188.8	25.16	194.0	25.56
		336.5	137.6	15.42	149.0	17.96	162.3	20.92	176.4	23.58	181.7	24.13	188.8	24.75	194.0	25.16
		673.0	137.6	14.19	149.0	16.80	162.3	19.54	176.4	22.01	181.7	22.55	188.8	23.11	194.0	23.58
		841.3	137.6	13.78	149.0	16.45	162.3	19.19	176.4	21.59	181.7	22.14	188.8	22.69	194.0	22.96
		1009.5	137.6	13.58	149.0	16.28	162.3	19.01	176.4	21.39	181.7	21.93	188.8	22.48	194.0	22.65
	25	269.2	137.6	19.16	149.0	22.29	162.3	25.92	176.4	29.20	181.7	29.89	188.8	30.64	194.0	31.20
		336.5	137.6	18.78	149.0	21.93	162.3	25.51	176.4	28.73	181.7	29.41	188.8	30.16	194.0	30.70
		673.0	137.6	17.28	149.0	20.49	162.3	23.86	176.4	26.87	181.7	27.50	188.8	28.24	194.0	28.72
		841.3	137.6	16.80	149.0	20.02	162.3	23.38	176.4	26.33	181.7	27.01	188.8	27.70	194.0	27.97
		1009.5	137.6	16.55	149.0	19.78	162.3	23.14	176.4	26.06	181.7	26.76	188.8	27.42	194.0	27.59
	30	269.2	137.6	23.56	149.0	27.40	162.3	31.91	176.4	35.95	181.7	36.78	188.8	37.69	194.0	38.39
		336.5	137.6	23.10	149.0	26.95	162.3	31.39	176.4	35.37	181.7	36.19	188.8	37.09	194.0	37.77
		673.0	137.6	21.25	149.0	25.16	162.3	29.34	176.4	33.04	181.7	33.86	188.8	34.69	194.0	35.31
		841.3	137.6	20.64	149.0	24.67	162.3	28.73	176.4	32.42	181.7	33.18	188.8	34.07	194.0	34.41
		1009.5	137.6	20.34	149.0	24.43	162.3	28.42	176.4	32.11	181.7	32.84	188.8	33.76	194.0	33.95
	35	269.2	133.9	25.46	144.9	29.55	157.8	34.42	171.5	38.74	176.6	39.65	183.5	40.62	188.6	41.37
		336.5	133.9	24.94	144.9	29.06	157.8	33.86	171.5	38.12	176.6	39.01	183.5	39.97	188.6	40.72
		673.0	133.9	22.90	144.9	27.15	157.8	31.67	171.5	35.65	176.6	36.48	183.5	37.43	188.6	38.12
		841.3	133.9	22.28	144.9	26.60	157.8	30.99	171.5	34.96	176.6	35.85	183.5	36.74	188.6	37.10
		1009.5	133.9	21.97	144.9	26.32	157.8	30.65	171.5	34.61	176.6	35.53	183.5	36.40	188.6	36.58
	40	269.2	130.0	29.23	140.8	33.93	153.3	39.51	166.6	44.53	171.7	45.57	178.2	46.68	183.3	47.50
		336.5	130.0	28.65	140.8	33.38	153.3	38.88	166.6	43.80	171.7	44.84	178.2	45.93	183.3	46.76
		673.0	130.0	26.33	140.8	31.20	153.3	36.40	166.6	40.93	171.7	41.95	178.2	42.99	183.3	43.80
		841.3	130.0	25.58	140.8	30.57	153.3	35.65	166.6	40.16	171.7	41.13	178.2	42.22	183.3	42.64
		1009.5	130.0	25.20	140.8	30.25	153.3	35.27	166.6	39.78	171.7	40.72	178.2	41.83	183.3	42.05

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	269.2	126.1	33.01	136.7	38.32	148.8	44.59	161.7	50.32	166.7	51.48	173.0	52.73	178.0	53.63
		336.5	126.1	32.35	136.7	37.70	148.8	43.89	161.7	49.49	166.7	50.66	173.0	51.89	178.0	52.80
		673.0	126.1	29.76	136.7	35.25	148.8	41.12	161.7	46.22	166.7	47.42	173.0	48.55	178.0	49.49
		841.3	126.1	28.87	136.7	34.53	148.8	40.30	161.7	45.37	166.7	46.42	173.0	47.70	178.0	48.18
		1009.5	126.1	28.43	136.7	34.17	148.8	39.89	161.7	44.94	166.7	45.92	173.0	47.27	178.0	47.52
80	10	269.2	122.2	7.95	132.4	9.10	144.3	10.58	156.8	12.07	161.5	12.26	167.8	12.61	172.5	12.73
		336.5	122.2	7.78	132.4	8.98	144.3	10.43	156.8	11.86	161.5	12.07	167.8	12.40	172.5	12.53
		673.0	122.2	7.07	132.4	8.50	144.3	9.83	156.8	11.02	161.5	11.33	167.8	11.53	172.5	11.74
		841.3	122.2	6.99	132.4	8.24	144.3	9.64	156.8	10.83	161.5	11.03	167.8	11.35	172.5	11.47
		1009.5	122.2	6.94	132.4	8.11	144.3	9.54	156.8	10.73	161.5	10.87	167.8	11.26	172.5	11.33
	15	269.2	122.2	10.71	132.4	12.40	144.3	14.42	156.8	16.31	161.5	16.65	167.8	17.07	172.5	17.35
		336.5	122.2	10.48	132.4	12.21	144.3	14.20	156.8	16.04	161.5	16.39	167.8	16.80	172.5	17.08
		673.0	122.2	9.61	132.4	11.44	144.3	13.30	156.8	14.95	161.5	15.35	167.8	15.70	172.5	15.98
		841.3	122.2	9.39	132.4	11.17	144.3	13.03	156.8	14.68	161.5	15.02	167.8	15.43	172.5	15.56
		1009.5	122.2	9.28	132.4	11.04	144.3	12.89	156.8	14.54	161.5	14.86	167.8	15.29	172.5	15.35
	20	269.2	122.2	13.15	132.4	15.33	144.3	17.84	156.8	20.08	161.5	20.56	167.8	21.04	172.5	21.46
		336.5	122.2	12.89	132.4	15.08	144.3	17.55	156.8	19.75	161.5	20.23	167.8	20.71	172.5	21.11
		673.0	122.2	11.86	132.4	14.06	144.3	16.39	156.8	18.44	161.5	18.91	167.8	19.40	172.5	19.75
		841.3	122.2	11.53	132.4	13.78	144.3	16.04	156.8	18.10	161.5	18.57	167.8	19.05	172.5	19.20
		1009.5	122.2	11.36	132.4	13.64	144.3	15.87	156.8	17.93	161.5	18.40	167.8	18.87	172.5	18.93
	25	269.2	122.2	16.09	132.4	18.68	144.3	21.73	156.8	24.45	161.5	25.08	167.8	25.70	172.5	26.13
		336.5	122.2	15.76	132.4	18.37	144.3	21.39	156.8	24.07	161.5	24.67	167.8	25.29	172.5	25.71
		673.0	122.2	14.47	132.4	17.15	144.3	20.01	156.8	22.55	161.5	23.04	167.8	23.65	172.5	24.07
		841.3	122.2	14.06	132.4	16.80	144.3	19.60	156.8	22.07	161.5	22.63	167.8	23.23	172.5	23.44
		1009.5	122.2	13.86	132.4	16.62	144.3	19.40	156.8	21.84	161.5	22.42	167.8	23.02	172.5	23.13
	30	269.2	122.2	19.72	132.4	22.93	144.3	26.75	156.8	30.10	161.5	30.79	167.8	31.56	172.5	32.18
		336.5	122.2	19.34	132.4	22.56	144.3	26.32	156.8	29.62	161.5	30.30	167.8	31.06	172.5	31.66
		673.0	122.2	17.82	132.4	21.11	144.3	24.61	156.8	27.70	161.5	28.38	167.8	29.07	172.5	29.62
		841.3	122.2	17.34	132.4	20.64	144.3	24.07	156.8	27.15	161.5	27.83	167.8	28.52	172.5	28.86
		1009.5	122.2	17.10	132.4	20.41	144.3	23.79	156.8	26.88	161.5	27.56	167.8	28.24	172.5	28.47
	35	269.2	122.2	21.95	132.4	25.50	144.3	29.68	156.8	33.45	161.5	34.28	167.8	35.12	172.5	35.74
		336.5	122.2	21.52	132.4	25.09	144.3	29.21	156.8	32.91	161.5	33.73	167.8	34.55	172.5	35.17
		673.0	122.2	19.81	132.4	23.45	144.3	27.35	156.8	30.78	161.5	31.53	167.8	32.30	172.5	32.90
		841.3	122.2	19.26	132.4	22.96	144.3	26.80	156.8	30.17	161.5	30.92	167.8	31.74	172.5	32.02
		1009.5	122.2	18.98	132.4	22.72	144.3	26.52	156.8	29.86	161.5	30.62	167.8	31.45	172.5	31.57
	40	269.2	122.2	26.02	132.4	30.24	144.3	35.20	156.8	39.65	161.5	40.56	167.8	41.59	172.5	42.29
		336.5	122.2	25.50	132.4	29.74	144.3	34.62	156.8	39.01	161.5	39.90	167.8	40.92	172.5	41.61
		673.0	122.2	23.44	132.4	27.77	144.3	32.36	156.8	36.47	161.5	37.29	167.8	38.25	172.5	38.94
		841.3	122.2	22.76	132.4	27.21	144.3	31.68	156.8	35.72	161.5	36.61	167.8	37.57	172.5	37.92
		1009.5	122.2	22.42	132.4	26.93	144.3	31.34	156.8	35.34	161.5	36.26	167.8	37.22	172.5	37.40
	45	269.2	122.2	30.08	132.4	34.98	144.3	40.71	156.8	45.84	161.5	46.84	167.8	48.06	172.5	48.84
		336.5	122.2	29.47	132.4	34.40	144.3	40.04	156.8	45.10	161.5	46.08	167.8	47.28	172.5	48.06
		673.0	122.2	27.07	132.4	32.09	144.3	37.37	156.8	42.16	161.5	43.06	167.8	44.21	172.5	44.98
		841.3	122.2	26.27	132.4	31.45	144.3	36.56	156.8	41.27	161.5	42.29	167.8	43.40	172.5	43.82
		1009.5	122.2	25.86	132.4	31.14	144.3	36.16	156.8	40.82	161.5	41.91	167.8	42.99	172.5	43.24
70	10	269.2	107.1	6.51	115.9	7.59	126.3	8.79	137.2	9.90	141.2	10.25	146.8	10.51	150.9	10.58
		336.5	107.1	6.39	115.9	7.46	126.3	8.65	137.2	9.77	141.2	10.08	146.8	10.34	150.9	10.43
		673.0	107.1	5.93	115.9	6.94	126.3	8.10	137.2	9.22	141.2	9.43	146.8	9.69	150.9	9.83
		841.3	107.1	5.79	115.9	6.80	126.3	7.98	137.2	8.98	141.2	9.18	146.8	9.43	150.9	9.56
		1009.5	107.1	5.72	115.9	6.72	126.3	7.91	137.2	8.85	141.2	9.05	146.8	9.30	150.9	9.43
	15	269.2	107.1	8.88	115.9	10.32	126.3	11.99	137.2	13.51	141.2	13.86	146.8	14.20	150.9	14.42
		336.5	107.1	8.70	115.9	10.15	126.3	11.80	137.2	13.30	141.2	13.64	146.8	13.98	150.9	14.20
		673.0	107.1	8.01	115.9	9.47	126.3	11.04	137.2	12.47	141.2	12.75	146.8	13.09	150.9	13.30
		841.3	107.1	7.80	115.9	9.26	126.3	10.83	137.2	12.21	141.2	12.49	146.8	12.82	150.9	12.96
		1009.5	107.1	7.70	115.9	9.16	126.3	10.72	137.2	12.07	141.2	12.35	146.8	12.68	150.9	12.78
	20	269.2	107.1	10.98	115.9	12.75	126.3	14.84	137.2	16.72	141.2	17.07	146.8	17.49	150.9	17.84
		336.5	107.1	10.76	115.9	12.54	126.3	14.60	137.2	16.44	141.2	16.80	146.8	17.21	150.9	17.55
		673.0	107.1	9.87	115.9	11.72	126.3	13.64	137.2	15.36	141.2	15.70	146.8	16.12	150.9	16.39
		841.3	107.1	9.60	115.9	11.45	126.3	13.36	137.2	15.08	141.2	15.43	146.8	15.84	150.9	15.97
		1009.5	107.1	9.46	115.9	11.32	126.3	13.22	137.2	14.93	141.2	15.29	146.8	15.69	150.9	15.76
	25	269.2	107.1	13.35	115.9	15.54	126.3	18.05	137.2	20.35	141.2	20.83	146.8	21.32	150.9	21.73
		336.5	107.1	13.09	115.9	15.28	126.3	17.76	137.2	20.02	141.2	20.50	146.8	20.99	150.9	21.39
		673.0	107.1	12.06	115.9	14.26	126.3	16.65	137.2	18.72	141.2	19.19	146.8	19.67	150.9	20.02
		841.3	107.1	11.72	115.9	13.98	126.3	16.31	137.2	18.37	141.2	18.79	146.8	19.27	150.9	19.48
		1009.5	107.1	11.54	115.9	13.84	126.3	16.13	137.2	18.20	141.2	18.59	146.8	19.06	150.9	19.20

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	269.2	107.1	16.44	115.9	19.09	126.3	22.23	137.2	25.02	141.2	25.64	146.8	26.26	150.9	26.75
		336.5	107.1	16.11	115.9	18.78	126.3	21.87	137.2	24.62	141.2	25.23	146.8	25.84	150.9	26.32
		673.0	107.1	14.80	115.9	17.55	126.3	20.44	137.2	23.03	141.2	23.59	146.8	24.19	150.9	24.61
		841.3	107.1	14.40	115.9	17.20	126.3	20.02	137.2	22.56	141.2	23.16	146.8	23.72	150.9	23.99
		1009.5	107.1	14.19	115.9	17.03	126.3	19.81	137.2	22.33	141.2	22.95	146.8	23.49	150.9	23.68
	35	269.2	107.1	18.25	115.9	21.17	126.3	24.74	137.2	27.80	141.2	28.50	146.8	29.19	150.9	29.68
		336.5	107.1	17.89	115.9	20.84	126.3	24.33	137.2	27.35	141.2	28.03	146.8	28.72	150.9	29.21
		673.0	107.1	16.45	115.9	19.53	126.3	22.70	137.2	25.58	141.2	26.19	146.8	26.87	150.9	27.35
		841.3	107.1	15.98	115.9	19.07	126.3	22.27	137.2	25.09	141.2	25.71	146.8	26.38	150.9	26.66
		1009.5	107.1	15.74	115.9	18.84	126.3	22.06	137.2	24.84	141.2	25.46	146.8	26.14	150.9	26.32
	40	269.2	107.1	21.62	115.9	25.08	126.3	29.26	137.2	32.96	141.2	33.72	146.8	34.55	150.9	35.17
		336.5	107.1	21.19	115.9	24.68	126.3	28.79	137.2	32.42	141.2	33.18	146.8	34.00	150.9	34.61
		673.0	107.1	19.48	115.9	23.11	126.3	26.94	137.2	30.30	141.2	31.05	146.8	31.81	150.9	32.42
		841.3	107.1	18.92	115.9	22.62	126.3	26.33	137.2	29.69	141.2	30.44	146.8	31.26	150.9	31.54
		1009.5	107.1	18.65	115.9	22.37	126.3	26.02	137.2	29.38	141.2	30.14	146.8	30.98	150.9	31.09
	45	269.2	107.1	24.98	115.9	28.99	126.3	33.78	137.2	38.12	141.2	38.95	146.8	39.92	150.9	40.66
		336.5	107.1	24.48	115.9	28.52	126.3	33.26	137.2	37.49	141.2	38.34	146.8	39.28	150.9	40.02
		673.0	107.1	22.50	115.9	26.68	126.3	31.17	137.2	35.03	141.2	35.90	146.8	36.74	150.9	37.49
		841.3	107.1	21.87	115.9	26.17	126.3	30.39	137.2	34.29	141.2	35.18	146.8	36.13	150.9	36.41
		1009.5	107.1	21.55	115.9	25.91	126.3	29.99	137.2	33.91	141.2	34.81	146.8	35.82	150.9	35.86
60	10	269.2	91.8	5.18	99.3	6.02	108.1	6.96	117.5	7.98	121.2	8.19	125.9	8.29	129.4	8.44
		336.5	91.8	5.08	99.3	5.93	108.1	6.87	117.5	7.84	121.2	8.04	125.9	8.18	129.4	8.32
		673.0	91.8	4.68	99.3	5.54	108.1	6.52	117.5	7.30	121.2	7.46	125.9	7.71	129.4	7.84
		841.3	91.8	4.49	99.3	5.48	108.1	6.40	117.5	7.19	121.2	7.33	125.9	7.51	129.4	7.65
		1009.5	91.8	4.40	99.3	5.45	108.1	6.33	117.5	7.13	121.2	7.27	125.9	7.41	129.4	7.55
	15	269.2	91.8	7.07	99.3	8.22	108.1	9.54	117.5	10.79	121.2	11.08	125.9	11.28	129.4	11.49
		336.5	91.8	6.93	99.3	8.09	108.1	9.40	117.5	10.62	121.2	10.89	125.9	11.11	129.4	11.32
		673.0	91.8	6.37	99.3	7.54	108.1	8.84	117.5	9.93	121.2	10.15	125.9	10.42	129.4	10.62
		841.3	91.8	6.17	99.3	7.41	108.1	8.64	117.5	9.73	121.2	9.95	125.9	10.21	129.4	10.35
		1009.5	91.8	6.07	99.3	7.34	108.1	8.54	117.5	9.63	121.2	9.85	125.9	10.11	129.4	10.21
	20	269.2	91.8	8.74	99.3	10.18	108.1	11.83	117.5	13.30	121.2	13.65	125.9	13.94	129.4	14.20
		336.5	91.8	8.57	99.3	10.01	108.1	11.64	117.5	13.09	121.2	13.43	125.9	13.72	129.4	13.98
		673.0	91.8	7.88	99.3	9.33	108.1	10.89	117.5	12.27	121.2	12.54	125.9	12.83	129.4	13.09
		841.3	91.8	7.67	99.3	9.12	108.1	10.63	117.5	12.00	121.2	12.28	125.9	12.61	129.4	12.75
		1009.5	91.8	7.56	99.3	9.01	108.1	10.50	117.5	11.86	121.2	12.15	125.9	12.50	129.4	12.58
	25	269.2	91.8	10.63	99.3	12.40	108.1	14.43	117.5	16.23	121.2	16.59	125.9	17.00	129.4	17.34
		336.5	91.8	10.42	99.3	12.20	108.1	14.19	117.5	15.97	121.2	16.32	125.9	16.73	129.4	17.07
		673.0	91.8	9.60	99.3	11.38	108.1	13.24	117.5	14.94	121.2	15.28	125.9	15.69	129.4	15.97
		841.3	91.8	9.33	99.3	11.11	108.1	12.97	117.5	14.60	121.2	15.01	125.9	15.36	129.4	15.56
		1009.5	91.8	9.19	99.3	10.97	108.1	12.83	117.5	14.44	121.2	14.88	125.9	15.20	129.4	15.35
	30	269.2	91.8	13.08	99.3	15.19	108.1	17.70	117.5	19.92	121.2	20.42	125.9	20.90	129.4	21.32
		336.5	91.8	12.82	99.3	14.95	108.1	17.42	117.5	19.61	121.2	20.09	125.9	20.57	129.4	20.98
		673.0	91.8	11.80	99.3	13.99	108.1	16.32	117.5	18.37	121.2	18.79	125.9	19.27	129.4	19.61
		841.3	91.8	11.45	99.3	13.71	108.1	15.97	117.5	18.03	121.2	18.44	125.9	18.92	129.4	19.12
		1009.5	91.8	11.28	99.3	13.57	108.1	15.80	117.5	17.85	121.2	18.27	125.9	18.75	129.4	18.88
	35	269.2	91.8	14.55	99.3	16.93	108.1	19.72	117.5	22.15	121.2	22.71	125.9	23.28	129.4	23.69
		336.5	91.8	14.26	99.3	16.65	108.1	19.39	117.5	21.80	121.2	22.35	125.9	22.90	129.4	23.31
		673.0	91.8	13.10	99.3	15.56	108.1	18.10	117.5	20.43	121.2	20.91	125.9	21.40	129.4	21.80
		841.3	91.8	12.75	99.3	15.22	108.1	17.76	117.5	20.01	121.2	20.50	125.9	21.04	129.4	21.25
		1009.5	91.8	12.57	99.3	15.05	108.1	17.58	117.5	19.80	121.2	20.29	125.9	20.86	129.4	20.97
	40	269.2	91.8	17.20	99.3	20.00	108.1	23.34	117.5	26.27	121.2	26.89	125.9	27.52	129.4	28.08
		336.5	91.8	16.87	99.3	19.68	108.1	22.96	117.5	25.84	121.2	26.46	125.9	27.08	129.4	27.62
		673.0	91.8	15.56	99.3	18.43	108.1	21.46	117.5	24.14	121.2	24.75	125.9	25.36	129.4	25.84
		841.3	91.8	15.08	99.3	18.03	108.1	21.04	117.5	23.66	121.2	24.27	125.9	24.89	129.4	25.15
		1009.5	91.8	14.85	99.3	17.82	108.1	20.83	117.5	23.42	121.2	24.02	125.9	24.65	129.4	24.81
	45	269.2	91.8	19.85	99.3	23.07	108.1	26.96	117.5	30.39	121.2	31.07	125.9	31.75	129.4	32.46
		336.5	91.8	19.48	99.3	22.72	108.1	26.53	117.5	29.88	121.2	30.57	125.9	31.26	129.4	31.94
		673.0	91.8	18.01	99.3	21.31	108.1	24.82	117.5	27.85	121.2	28.58	125.9	29.33	129.4	29.88
		841.3	91.8	17.42	99.3	20.83	108.1	24.33	117.5	27.31	121.2	28.03	125.9	28.74	129.4	29.06
		1009.5	91.8	17.12	99.3	20.59	108.1	24.08	117.5	27.03	121.2	27.75	125.9	28.44	129.4	28.64
50	10	269.2	76.4	3.86	82.8	4.47	90.1	5.36	98.1	5.88	101.0	6.01	104.8	6.24	107.7	6.31
		336.5	76.4	3.78	82.8	4.41	90.1	5.26	98.1	5.80	101.0	5.94	104.8	6.12	107.7	6.21
		673.0	76.4	3.44	82.8	4.16	90.1	4.88	98.1	5.48	101.0	5.67	104.8	5.67	107.7	5.80
		841.3	76.4	3.37	82.8	4.15	90.1	4.76	98.1	5.34	101.0	5.41	104.8	5.61	107.7	5.62
		1009.5	76.4	3.33	82.8	4.15	90.1	4.69	98.1	5.26	101.0	5.28	104.8	5.58	107.7	5.53

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	269.2	76.4	5.26	82.8	6.13	90.1	7.17	98.1	8.01	101.0	8.22	104.8	8.43	107.7	8.58
		336.5	76.4	5.15	82.8	6.03	90.1	7.05	98.1	7.89	101.0	8.09	104.8	8.29	107.7	8.44
		673.0	76.4	4.74	82.8	5.62	90.1	6.58	98.1	7.41	101.0	7.61	104.8	7.75	107.7	7.89
		841.3	76.4	4.60	82.8	5.55	90.1	6.45	98.1	7.26	101.0	7.41	104.8	7.61	107.7	7.69
		1009.5	76.4	4.53	82.8	5.51	90.1	6.38	98.1	7.19	101.0	7.31	104.8	7.55	107.7	7.59
	20	269.2	76.4	6.50	82.8	7.61	90.1	8.79	98.1	9.90	101.0	10.18	104.8	10.38	107.7	10.59
		336.5	76.4	6.37	82.8	7.47	90.1	8.65	98.1	9.74	101.0	10.01	104.8	10.22	107.7	10.42
		673.0	76.4	5.89	82.8	6.93	90.1	8.09	98.1	9.12	101.0	9.33	104.8	9.60	107.7	9.74
		841.3	76.4	5.70	82.8	6.79	90.1	7.95	98.1	8.97	101.0	9.18	104.8	9.40	107.7	9.53
		1009.5	76.4	5.60	82.8	6.72	90.1	7.88	98.1	8.90	101.0	9.11	104.8	9.30	107.7	9.42
	25	269.2	76.4	7.91	82.8	9.20	90.1	10.73	98.1	12.13	101.0	12.40	104.8	12.68	107.7	12.88
		336.5	76.4	7.75	82.8	9.05	90.1	10.56	98.1	11.92	101.0	12.20	104.8	12.48	107.7	12.68
		673.0	76.4	7.13	82.8	8.49	90.1	9.88	98.1	11.11	101.0	11.38	104.8	11.66	107.7	11.92
		841.3	76.4	6.93	82.8	8.29	90.1	9.67	98.1	10.90	101.0	11.17	104.8	11.45	107.7	11.59
		1009.5	76.4	6.82	82.8	8.19	90.1	9.57	98.1	10.80	101.0	11.07	104.8	11.35	107.7	11.42
	30	269.2	76.4	9.79	82.8	11.36	90.1	13.24	98.1	14.91	101.0	15.27	104.8	15.60	107.7	15.89
		336.5	76.4	9.59	82.8	11.17	90.1	13.02	98.1	14.67	101.0	15.01	104.8	15.36	107.7	15.63
		673.0	76.4	8.78	82.8	10.42	90.1	12.14	98.1	13.71	101.0	13.99	104.8	14.40	107.7	14.60
		841.3	76.4	8.57	82.8	10.21	90.1	11.92	98.1	13.44	101.0	13.77	104.8	14.12	107.7	14.26
		1009.5	76.4	8.46	82.8	10.11	90.1	11.82	98.1	13.30	101.0	13.66	104.8	13.97	107.7	14.09
	35	269.2	76.4	10.84	82.8	12.61	90.1	14.70	98.1	16.51	101.0	16.94	104.8	17.34	107.7	17.62
		336.5	76.4	10.63	82.8	12.40	90.1	14.46	98.1	16.25	101.0	16.66	104.8	17.07	107.7	17.35
		673.0	76.4	9.80	82.8	11.59	90.1	13.51	98.1	15.22	101.0	15.56	104.8	15.97	107.7	16.25
		841.3	76.4	9.53	82.8	11.37	90.1	13.23	98.1	14.94	101.0	15.28	104.8	15.69	107.7	15.84
		1009.5	76.4	9.39	82.8	11.26	90.1	13.09	98.1	14.80	101.0	15.14	104.8	15.55	107.7	15.63
	40	269.2	76.4	12.87	82.8	14.92	90.1	17.42	98.1	19.58	101.0	20.07	104.8	20.55	107.7	20.90
		336.5	76.4	12.61	82.8	14.68	90.1	17.13	98.1	19.27	101.0	19.74	104.8	20.22	107.7	20.57
		673.0	76.4	11.58	82.8	13.72	90.1	15.98	98.1	18.03	101.0	18.44	104.8	18.92	107.7	19.26
		841.3	76.4	11.25	82.8	13.44	90.1	15.69	98.1	17.68	101.0	18.10	104.8	18.57	107.7	18.72
		1009.5	76.4	11.08	82.8	13.30	90.1	15.55	98.1	17.51	101.0	17.93	104.8	18.39	107.7	18.46
	45	269.2	76.4	14.91	82.8	17.23	90.1	20.14	98.1	22.65	101.0	23.19	104.8	23.75	107.7	24.18
		336.5	76.4	14.60	82.8	16.95	90.1	19.80	98.1	22.28	101.0	22.82	104.8	23.37	107.7	23.79
		673.0	76.4	13.36	82.8	15.84	90.1	18.45	98.1	20.83	101.0	21.32	104.8	21.87	107.7	22.26
		841.3	76.4	12.97	82.8	15.50	90.1	18.15	98.1	20.43	101.0	20.92	104.8	21.45	107.7	21.61
		1009.5	76.4	12.77	82.8	15.33	90.1	18.00	98.1	20.22	101.0	20.71	104.8	21.24	107.7	21.28

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(72HP)

ARWN720LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	276.8	187.4	13.41	203.0	15.70	220.9	18.30	240.1	20.52	247.4	20.99	257.1	21.65	264.3	21.97
		346.0	187.4	13.16	203.0	15.43	220.9	17.99	240.1	20.19	247.4	20.67	257.1	21.29	264.3	21.64
		692.0	187.4	12.20	203.0	14.34	220.9	16.75	240.1	18.88	247.4	19.43	257.1	19.85	264.3	20.32
		865.0	187.4	11.84	203.0	14.12	220.9	16.47	240.1	18.47	247.4	19.01	257.1	19.49	264.3	19.78
		1038.0	187.4	11.66	203.0	14.00	220.9	16.32	240.1	18.26	247.4	18.80	257.1	19.31	264.3	19.51
	15	276.8	184.4	17.67	199.7	20.59	217.4	24.00	236.3	26.96	243.4	27.60	252.9	28.32	260.0	28.81
		346.0	184.4	17.33	199.7	20.25	217.4	23.60	236.3	26.53	243.4	27.17	252.9	27.88	260.0	28.38
		692.0	184.4	15.97	199.7	18.90	217.4	22.04	236.3	24.81	243.4	25.46	252.9	26.10	260.0	26.66
		865.0	184.4	15.54	199.7	18.53	217.4	21.60	236.3	24.32	243.4	24.96	252.9	25.60	260.0	26.03
		1038.0	184.4	15.32	199.7	18.35	217.4	21.39	236.3	24.06	243.4	24.71	252.9	25.34	260.0	25.71
	20	276.8	181.6	21.46	196.8	24.93	214.2	29.06	232.9	32.68	239.9	33.48	249.1	34.26	256.2	34.89
		346.0	181.6	21.03	196.8	24.53	214.2	28.59	232.9	32.16	239.9	32.94	249.1	33.73	256.2	34.36
		692.0	181.6	19.32	196.8	22.95	214.2	26.74	232.9	30.09	239.9	30.81	249.1	31.66	256.2	32.30
		865.0	181.6	18.83	196.8	22.46	214.2	26.17	232.9	29.51	239.9	30.24	249.1	31.02	256.2	31.59
		1038.0	181.6	18.57	196.8	22.21	214.2	25.89	232.9	29.23	239.9	29.95	249.1	30.70	256.2	31.23
	25	276.8	181.6	26.48	196.8	30.73	214.2	35.81	232.9	40.38	239.9	41.30	249.1	42.30	256.2	43.01
		346.0	181.6	25.95	196.8	30.24	214.2	35.23	232.9	39.71	239.9	40.64	249.1	41.64	256.2	42.36
		692.0	181.6	23.88	196.8	28.30	214.2	32.94	232.9	37.09	239.9	38.01	249.1	39.06	256.2	39.80
		865.0	181.6	23.18	196.8	27.67	214.2	32.29	232.9	36.37	239.9	37.30	249.1	38.29	256.2	38.93
		1038.0	181.6	22.82	196.8	27.35	214.2	31.97	232.9	36.01	239.9	36.95	249.1	37.90	256.2	38.50
	30	276.8	181.6	31.80	196.8	36.89	214.2	42.97	232.9	48.43	239.9	49.57	249.1	50.77	256.2	51.62
		346.0	181.6	31.15	196.8	36.29	214.2	42.28	232.9	47.63	239.9	48.77	249.1	49.98	256.2	50.84
		692.0	181.6	28.60	196.8	33.94	214.2	39.56	232.9	44.50	239.9	45.64	249.1	46.84	256.2	47.77
		865.0	181.6	27.81	196.8	33.22	214.2	38.72	232.9	43.64	239.9	44.78	249.1	45.92	256.2	46.70
		1038.0	181.6	27.41	196.8	32.87	214.2	38.30	232.9	43.21	239.9	44.35	249.1	45.46	256.2	46.16
	35	276.8	163.5	32.09	177.0	37.33	192.8	43.49	209.6	48.91	215.9	50.15	224.3	51.35	230.6	52.19
		346.0	163.5	31.45	177.0	36.72	192.8	42.78	209.6	48.13	215.9	49.34	224.3	50.54	230.6	51.41
		692.0	163.5	28.95	177.0	34.31	192.8	40.00	209.6	45.05	215.9	46.14	224.3	47.35	230.6	48.34
		865.0	163.5	28.16	177.0	33.58	192.8	39.15	209.6	44.14	215.9	45.28	224.3	46.43	230.6	47.21
		1038.0	163.5	27.76	177.0	33.22	192.8	38.72	209.6	43.68	215.9	44.85	224.3	45.96	230.6	46.64
	40	276.8	145.3	33.91	157.4	39.35	171.3	45.87	186.3	51.61	191.9	52.81	199.3	54.10	205.0	55.09
		346.0	145.3	33.22	157.4	38.72	171.3	45.13	186.3	50.78	191.9	51.98	199.3	53.27	205.0	54.26
		692.0	145.3	30.52	157.4	36.22	171.3	42.21	186.3	47.49	191.9	48.70	199.3	49.98	205.0	50.98
		865.0	145.3	29.66	157.4	35.44	171.3	41.29	186.3	46.56	191.9	47.77	199.3	48.99	205.0	49.84
		1038.0	145.3	29.23	157.4	35.04	171.3	40.82	186.3	46.09	191.9	47.31	199.3	48.49	205.0	49.26
	45	276.8	127.0	35.73	137.8	41.36	149.9	48.25	163.0	54.31	168.0	55.48	174.3	56.84	179.3	58.00
		346.0	127.0	35.00	137.8	40.71	149.9	47.47	163.0	53.42	168.0	54.63	174.3	55.99	179.3	57.12
		692.0	127.0	32.09	137.8	38.13	149.9	44.42	163.0	49.93	168.0	51.26	174.3	52.61	179.3	53.61
		865.0	127.0	31.17	137.8	37.29	149.9	43.42	163.0	48.98	168.0	50.27	174.3	51.55	179.3	52.47
		1038.0	127.0	30.71	137.8	36.87	149.9	42.92	163.0	48.50	168.0	49.77	174.3	51.02	179.3	51.89
120	10	276.8	177.4	12.79	192.0	14.90	209.2	17.25	227.3	19.46	234.1	20.02	243.3	20.50	250.1	20.76
		346.0	177.4	12.52	192.0	14.66	209.2	17.00	227.3	19.14	234.1	19.68	243.3	20.16	250.1	20.45
		692.0	177.4	11.48	192.0	13.69	209.2	15.97	227.3	17.88	234.1	18.31	243.3	18.79	250.1	19.20
		865.0	177.4	11.15	192.0	13.28	209.2	15.61	227.3	17.49	234.1	18.02	243.3	18.46	250.1	18.79
		1038.0	177.4	10.97	192.0	13.07	209.2	15.43	227.3	17.29	234.1	17.88	243.3	18.29	250.1	18.58
	15	276.8	175.3	16.95	189.8	19.71	206.8	22.90	224.7	25.81	231.5	26.45	240.5	27.09	247.2	27.52
		346.0	175.3	16.61	189.8	19.39	206.8	22.54	224.7	25.39	231.5	26.02	240.5	26.66	247.2	27.10
		692.0	175.3	15.26	189.8	18.11	206.8	21.10	224.7	23.74	231.5	24.32	240.5	24.96	247.2	25.46
		865.0	175.3	14.83	189.8	17.69	206.8	20.67	224.7	23.25	231.5	23.88	240.5	24.47	247.2	24.88
		1038.0	175.3	14.62	189.8	17.47	206.8	20.45	224.7	23.00	231.5	23.67	240.5	24.22	247.2	24.59
	20	276.8	173.4	20.66	187.9	24.00	204.7	27.91	222.4	31.45	229.1	32.17	238.0	32.95	244.7	33.52
		346.0	173.4	20.25	187.9	23.60	204.7	27.46	222.4	30.95	229.1	31.66	238.0	32.44	244.7	33.02
		692.0	173.4	18.61	187.9	22.04	204.7	25.67	222.4	28.95	229.1	29.66	238.0	30.44	244.7	31.01
		865.0	173.4	18.11	187.9	21.60	204.7	25.17	222.4	28.38	229.1	29.09	238.0	29.81	244.7	30.30
		1038.0	173.4	17.86	187.9	21.39	204.7	24.92	222.4	28.09	229.1	28.81	238.0	29.49	244.7	29.94
	25	276.8	173.4	25.39	187.9	29.50	204.7	34.35	222.4	38.62	229.1	39.56	238.0	40.57	244.7	41.27
		346.0	173.4	24.88	187.9	29.02	204.7	33.79	222.4	38.01	229.1	38.93	238.0	39.92	244.7	40.64
		692.0	173.4	22.88	187.9	27.09	204.7	31.59	222.4	35.58	229.1	36.44	238.0	37.37	244.7	38.14
		865.0	173.4	22.24	187.9	26.53	204.7	30.95	222.4	34.86	229.1	35.73	238.0	36.65	244.7	37.22
		1038.0	173.4	21.92	187.9	26.24	204.7	30.62	222.4	34.50	229.1	35.37	238.0	36.29	244.7	36.75
	30	276.8	173.4	30.62	187.9	35.66	204.7	41.54	222.4	46.74	229.1	47.83	238.0	49.04	244.7	49.89
		346.0	173.4	30.02	187.9	35.08	204.7	40.85	222.4	45.99	229.1	47.07	238.0	48.26	244.7	49.12
		692.0	173.4	27.66	187.9	32.79	204.7	38.15	222.4	43.00	229.1	44.06	238.0	45.20	244.7	46.07
		865.0	173.4	26.88	187.9	32.09	204.7	37.37	222.4	42.14	229.1	43.22	238.0	44.35	244.7	45.00
		1038.0	173.4	26.48	187.9	31.73	204.7	36.98	222.4	41.71	229.1	42.79	238.0	43.92	244.7	44.46

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	276.8	158.7	31.43	172.0	36.53	187.3	42.54	203.5	47.91	209.6	49.07	217.8	50.20	223.9	51.13
		346.0	158.7	30.80	172.0	35.94	187.3	41.85	203.5	47.13	209.6	48.27	217.8	49.42	223.9	50.34
		692.0	158.7	28.31	172.0	33.58	187.3	39.14	203.5	44.06	209.6	45.14	217.8	46.34	223.9	47.21
		865.0	158.7	27.53	172.0	32.88	187.3	38.36	203.5	43.21	209.6	44.29	217.8	45.42	223.9	46.13
		1038.0	158.7	27.13	172.0	32.52	187.3	37.96	203.5	42.78	209.6	43.86	217.8	44.96	223.9	45.58
	40	276.8	144.0	33.83	156.0	39.28	169.9	45.80	184.8	51.53	190.3	52.76	197.6	54.05	203.1	55.03
		346.0	144.0	33.16	156.0	38.65	169.9	45.06	184.8	50.70	190.3	51.92	197.6	53.20	203.1	54.19
		692.0	144.0	30.51	156.0	36.15	169.9	42.13	184.8	47.42	190.3	48.57	197.6	49.85	203.1	50.84
		865.0	144.0	29.66	156.0	35.37	169.9	41.28	184.8	46.49	190.3	47.70	197.6	48.91	203.1	49.63
		1038.0	144.0	29.23	156.0	34.98	169.9	40.85	184.8	46.03	190.3	47.26	197.6	48.45	203.1	49.02
	45	276.8	129.3	36.22	140.0	42.03	152.4	49.07	166.0	55.16	170.9	56.46	177.4	57.89	182.3	58.94
		346.0	129.3	35.51	140.0	41.36	152.4	48.27	166.0	54.27	170.9	55.56	177.4	56.98	182.3	58.04
		692.0	129.3	32.72	140.0	38.72	152.4	45.13	166.0	50.77	170.9	51.99	177.4	53.35	182.3	54.46
		865.0	129.3	31.78	140.0	37.87	152.4	44.20	166.0	49.78	170.9	51.11	177.4	52.41	182.3	53.13
		1038.0	129.3	31.32	140.0	37.44	152.4	43.73	166.0	49.28	170.9	50.67	177.4	51.94	182.3	52.46
110	10	276.8	167.3	12.06	181.3	13.97	197.3	16.35	214.4	18.36	220.7	18.77	229.5	19.32	235.6	19.63
		346.0	167.3	11.82	181.3	13.74	197.3	16.07	214.4	18.06	220.7	18.49	229.5	19.02	235.6	19.32
		692.0	167.3	10.85	181.3	12.85	197.3	14.99	214.4	16.89	220.7	17.38	229.5	17.80	235.6	18.08
		865.0	167.3	10.57	181.3	12.58	197.3	14.64	214.4	16.63	220.7	16.91	229.5	17.45	235.6	17.65
		1038.0	167.3	10.43	181.3	12.44	197.3	14.46	214.4	16.50	220.7	16.68	229.5	17.28	235.6	17.43
	15	276.8	166.3	16.15	180.1	18.77	196.1	21.89	213.2	24.64	219.5	25.21	228.1	25.86	234.4	26.30
		346.0	166.3	15.83	180.1	18.47	196.1	21.53	213.2	24.24	219.5	24.81	228.1	25.45	234.4	25.89
		692.0	166.3	14.55	180.1	17.26	196.1	20.12	213.2	22.67	219.5	23.24	228.1	23.82	234.4	24.25
		865.0	166.3	14.18	180.1	16.90	196.1	19.68	213.2	22.24	219.5	22.75	228.1	23.38	234.4	23.67
		1038.0	166.3	14.00	180.1	16.72	196.1	19.46	213.2	22.03	219.5	22.51	228.1	23.17	234.4	23.37
	20	276.8	165.4	19.79	179.1	23.04	195.1	26.81	212.1	30.22	218.4	30.94	226.8	31.67	233.3	32.23
		346.0	165.4	19.40	179.1	22.67	195.1	26.38	212.1	29.73	218.4	30.44	226.8	31.16	233.3	31.73
		692.0	165.4	17.84	179.1	21.18	195.1	24.67	212.1	27.80	218.4	28.45	226.8	29.17	233.3	29.73
		865.0	165.4	17.39	179.1	20.75	195.1	24.17	212.1	27.24	218.4	27.94	226.8	28.66	233.3	29.02
		1038.0	165.4	17.17	179.1	20.53	195.1	23.91	212.1	26.95	218.4	27.69	226.8	28.40	233.3	28.66
	25	276.8	165.4	24.22	179.1	28.19	195.1	32.83	212.1	36.96	218.4	37.82	226.8	38.76	233.3	39.47
		346.0	165.4	23.75	179.1	27.73	195.1	32.30	212.1	36.37	218.4	37.23	226.8	38.15	233.3	38.86
		692.0	165.4	21.89	179.1	25.95	195.1	30.23	212.1	34.02	218.4	34.86	226.8	35.73	233.3	36.43
		865.0	165.4	21.25	179.1	25.38	195.1	29.59	212.1	33.37	218.4	34.16	226.8	35.08	233.3	35.50
		1038.0	165.4	20.94	179.1	25.10	195.1	29.27	212.1	33.04	218.4	33.80	226.8	34.75	233.3	35.04
	30	276.8	165.4	29.54	179.1	34.36	195.1	40.01	212.1	45.08	218.4	46.16	226.8	47.23	233.3	48.11
		346.0	165.4	28.96	179.1	33.80	195.1	39.36	212.1	44.35	218.4	45.42	226.8	46.49	233.3	47.35
		692.0	165.4	26.66	179.1	31.60	195.1	36.79	212.1	41.44	218.4	42.49	226.8	43.57	233.3	44.36
		865.0	165.4	25.95	179.1	30.95	195.1	36.08	212.1	40.65	218.4	41.64	226.8	42.72	233.3	43.28
		1038.0	165.4	25.59	179.1	30.62	195.1	35.72	212.1	40.25	218.4	41.22	226.8	42.29	233.3	42.74
	35	276.8	154.1	30.77	166.9	35.73	181.8	41.59	197.6	46.88	203.5	47.97	211.5	49.12	217.3	50.05
		346.0	154.1	30.16	166.9	35.16	181.8	40.93	197.6	46.13	203.5	47.20	211.5	48.35	217.3	49.26
		692.0	154.1	27.73	166.9	32.87	181.8	38.29	197.6	43.13	203.5	44.14	211.5	45.28	217.3	46.14
		865.0	154.1	26.95	166.9	32.16	181.8	37.50	197.6	42.28	203.5	43.35	211.5	44.42	217.3	45.00
		1038.0	154.1	26.56	166.9	31.81	181.8	37.10	197.6	41.84	203.5	42.95	211.5	43.99	217.3	44.42
	40	276.8	142.8	33.76	154.7	39.29	168.4	45.72	183.1	51.46	188.6	52.69	195.9	53.97	201.4	54.98
		346.0	142.8	33.09	154.7	38.64	168.4	44.99	183.1	50.63	188.6	51.84	195.9	53.12	201.4	54.11
		692.0	142.8	30.45	154.7	36.09	168.4	42.07	183.1	47.35	188.6	48.49	195.9	49.77	201.4	50.69
		865.0	142.8	29.59	154.7	35.31	168.4	41.21	183.1	46.42	188.6	47.62	195.9	48.84	201.4	49.41
		1038.0	142.8	29.16	154.7	34.91	168.4	40.78	183.1	45.95	188.6	47.19	195.9	48.37	201.4	48.77
	45	276.8	131.4	36.76	142.5	42.84	155.0	49.86	168.6	56.03	173.7	57.41	180.4	58.82	185.4	59.90
		346.0	131.4	36.03	142.5	42.13	155.0	49.05	168.6	55.13	173.7	56.49	180.4	57.90	185.4	58.96
		692.0	131.4	33.16	142.5	39.31	155.0	45.84	168.6	51.57	173.7	52.84	180.4	54.26	185.4	55.25
		865.0	131.4	32.23	142.5	38.45	155.0	44.92	168.6	50.56	173.7	51.90	180.4	53.26	185.4	53.83
		1038.0	131.4	31.76	142.5	38.02	155.0	44.46	168.6	50.06	173.7	51.43	180.4	52.75	185.4	53.12
100	10	276.8	157.2	11.41	170.3	13.26	185.4	15.27	201.6	17.36	207.7	17.63	215.7	18.20	221.8	18.53
		346.0	157.2	11.18	170.3	13.03	185.4	15.04	201.6	17.08	207.7	17.37	215.7	17.90	221.8	18.23
		692.0	157.2	10.29	170.3	12.15	185.4	14.12	201.6	15.98	207.7	16.32	215.7	16.72	221.8	17.06
		865.0	157.2	9.94	170.3	11.86	185.4	13.80	201.6	15.63	207.7	15.99	215.7	16.39	221.8	16.53
		1038.0	157.2	9.76	170.3	11.72	185.4	13.64	201.6	15.45	207.7	15.82	215.7	16.21	221.8	16.26
	15	276.8	157.2	15.42	170.3	17.90	185.4	20.80	201.6	23.48	207.7	23.99	215.7	24.64	221.8	25.06
		346.0	157.2	15.12	170.3	17.61	185.4	20.47	201.6	23.10	207.7	23.61	215.7	24.24	221.8	24.66
		692.0	157.2	13.90	170.3	16.47	185.4	19.17	201.6	21.60	207.7	22.10	215.7	22.67	221.8	23.09
		865.0	157.2	13.48	170.3	16.11	185.4	18.76	201.6	21.17	207.7	21.68	215.7	22.24	221.8	22.46
		1038.0	157.2	13.26	170.3	15.93	185.4	18.55	201.6	20.95	207.7	21.47	215.7	22.03	221.8	22.14

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	276.8	157.2	18.99	170.3	22.02	185.4	25.72	201.6	28.92	207.7	29.64	215.7	30.36	221.8	30.87
		346.0	157.2	18.61	170.3	21.68	185.4	25.31	201.6	28.45	207.7	29.16	215.7	29.87	221.8	30.38
		692.0	157.2	17.11	170.3	20.31	185.4	23.67	201.6	26.60	207.7	27.24	215.7	27.95	221.8	28.45
		865.0	157.2	16.62	170.3	19.89	185.4	23.17	201.6	26.10	207.7	26.74	215.7	27.45	221.8	27.73
		1038.0	157.2	16.37	170.3	19.68	185.4	22.92	201.6	25.84	207.7	26.48	215.7	27.20	221.8	27.37
	25	276.8	157.2	23.13	170.3	26.89	185.4	31.32	201.6	35.30	207.7	36.16	215.7	37.03	221.8	37.67
		346.0	157.2	22.68	170.3	26.45	185.4	30.81	201.6	34.72	207.7	35.57	215.7	36.44	221.8	37.08
		692.0	157.2	20.89	170.3	24.74	185.4	28.81	201.6	32.44	207.7	33.23	215.7	34.08	221.8	34.72
		865.0	157.2	20.31	170.3	24.24	185.4	28.23	201.6	31.80	207.7	32.59	215.7	33.44	221.8	33.80
		1038.0	157.2	20.03	170.3	23.99	185.4	27.95	201.6	31.48	207.7	32.27	215.7	33.12	221.8	33.34
	30	276.8	157.2	28.44	170.3	33.12	185.4	38.56	201.6	43.41	207.7	44.44	215.7	45.50	221.8	46.37
		346.0	157.2	27.88	170.3	32.58	185.4	37.93	201.6	42.71	207.7	43.72	215.7	44.78	221.8	45.63
		692.0	157.2	25.67	170.3	30.45	185.4	35.44	201.6	39.93	207.7	40.86	215.7	41.93	221.8	42.71
		865.0	157.2	24.96	170.3	29.81	185.4	34.72	201.6	39.15	207.7	40.14	215.7	41.14	221.8	41.57
		1038.0	157.2	24.60	170.3	29.48	185.4	34.36	201.6	38.76	207.7	39.77	215.7	40.75	221.8	41.00
	35	276.8	149.4	30.04	161.9	34.92	176.2	40.65	191.5	45.80	197.2	46.89	205.0	48.03	210.7	48.91
		346.0	149.4	29.45	161.9	34.36	176.2	40.01	191.5	45.06	197.2	46.14	205.0	47.28	210.7	48.13
		692.0	149.4	27.09	161.9	32.15	176.2	37.43	191.5	42.14	197.2	43.14	205.0	44.27	210.7	45.06
		865.0	149.4	26.38	161.9	31.44	176.2	36.65	191.5	41.35	197.2	42.35	205.0	43.42	210.7	43.86
		1038.0	149.4	26.02	161.9	31.09	176.2	36.26	191.5	40.95	197.2	41.95	205.0	43.00	210.7	43.25
	40	276.8	141.5	33.76	153.3	39.21	166.9	45.66	181.4	51.39	186.9	52.61	194.2	53.91	199.5	54.85
		346.0	141.5	33.07	153.3	38.57	166.9	44.92	181.4	50.56	186.9	51.77	194.2	53.05	199.5	53.98
		692.0	141.5	30.38	153.3	36.07	166.9	41.99	181.4	47.28	186.9	48.42	194.2	49.63	199.5	50.55
		865.0	141.5	29.58	153.3	35.29	166.9	41.14	181.4	46.35	186.9	47.49	194.2	48.71	199.5	49.21
		1038.0	141.5	29.18	153.3	34.89	166.9	40.71	181.4	45.89	186.9	47.03	194.2	48.24	199.5	48.53
	45	276.8	133.5	37.47	144.7	43.49	157.6	50.67	171.3	56.98	176.6	58.34	183.5	59.79	188.4	60.78
		346.0	133.5	36.70	144.7	42.78	157.6	49.84	171.3	56.06	176.6	57.40	183.5	58.82	188.4	59.83
		692.0	133.5	33.67	144.7	39.99	157.6	46.55	171.3	52.41	176.6	53.69	183.5	54.99	188.4	56.04
		865.0	133.5	32.78	144.7	39.13	157.6	45.62	171.3	51.35	176.6	52.63	183.5	53.99	188.4	54.55
		1038.0	133.5	32.34	144.7	38.70	157.6	45.15	171.3	50.82	176.6	52.10	183.5	53.49	188.4	53.81
90	10	276.8	141.5	9.71	153.3	11.28	166.9	13.17	181.4	14.91	186.9	15.18	194.2	15.50	199.5	15.96
		346.0	141.5	9.53	153.3	11.12	166.9	12.97	181.4	14.68	186.9	14.95	194.2	15.29	199.5	15.71
		692.0	141.5	8.83	153.3	10.49	166.9	12.16	181.4	13.77	186.9	14.05	194.2	14.47	199.5	14.68
		865.0	141.5	8.57	153.3	10.15	166.9	11.93	181.4	13.37	186.9	13.78	194.2	14.20	199.5	14.20
		1038.0	141.5	8.44	153.3	9.98	166.9	11.82	181.4	13.18	186.9	13.64	194.2	14.06	199.5	13.95
	15	276.8	141.5	13.23	153.3	15.36	166.9	17.91	181.4	20.22	186.9	20.65	194.2	21.15	199.5	21.59
		346.0	141.5	12.98	153.3	15.12	166.9	17.62	181.4	19.89	186.9	20.32	194.2	20.82	199.5	21.25
		692.0	141.5	11.97	153.3	14.18	166.9	16.48	181.4	18.60	186.9	19.03	194.2	19.53	199.5	19.89
		865.0	141.5	11.62	153.3	13.83	166.9	16.18	181.4	18.18	186.9	18.68	194.2	19.17	199.5	19.32
		1038.0	141.5	11.45	153.3	13.66	166.9	16.03	181.4	17.98	186.9	18.50	194.2	18.99	199.5	19.04
	20	276.8	141.5	16.36	153.3	18.99	166.9	22.12	181.4	24.94	186.9	25.51	194.2	26.17	199.5	26.59
		346.0	141.5	16.04	153.3	18.68	166.9	21.75	181.4	24.52	186.9	25.10	194.2	25.74	199.5	26.17
		692.0	141.5	14.76	153.3	17.47	166.9	20.32	181.4	22.89	186.9	23.46	194.2	24.03	199.5	24.52
		865.0	141.5	14.33	153.3	17.11	166.9	19.96	181.4	22.46	186.9	23.03	194.2	23.60	199.5	23.88
		1038.0	141.5	14.12	153.3	16.93	166.9	19.77	181.4	22.24	186.9	22.81	194.2	23.38	199.5	23.56
	25	276.8	141.5	19.93	153.3	23.19	166.9	26.96	181.4	30.37	186.9	31.09	194.2	31.87	199.5	32.46
		346.0	141.5	19.53	153.3	22.81	166.9	26.53	181.4	29.88	186.9	30.59	194.2	31.37	199.5	31.94
		692.0	141.5	17.97	153.3	21.31	166.9	24.81	181.4	27.95	186.9	28.60	194.2	29.37	199.5	29.87
		865.0	141.5	17.47	153.3	20.82	166.9	24.32	181.4	27.39	186.9	28.09	194.2	28.81	199.5	29.09
		1038.0	141.5	17.22	153.3	20.58	166.9	24.06	181.4	27.10	186.9	27.84	194.2	28.52	199.5	28.70
	30	276.8	141.5	24.51	153.3	28.49	166.9	33.19	181.4	37.40	186.9	38.25	194.2	39.20	199.5	39.93
		346.0	141.5	24.02	153.3	28.03	166.9	32.65	181.4	36.79	186.9	37.64	194.2	38.57	199.5	39.28
		692.0	141.5	22.10	153.3	26.17	166.9	30.52	181.4	34.36	186.9	35.22	194.2	36.08	199.5	36.73
		865.0	141.5	21.47	153.3	25.66	166.9	29.88	181.4	33.72	186.9	34.51	194.2	35.44	199.5	35.79
		1038.0	141.5	21.15	153.3	25.41	166.9	29.56	181.4	33.40	186.9	34.16	194.2	35.12	199.5	35.31
	35	276.8	137.7	26.48	149.0	30.73	162.3	35.80	176.4	40.30	181.6	41.25	188.8	42.25	194.0	43.03
		346.0	137.7	25.95	149.0	30.23	162.3	35.22	176.4	39.65	181.6	40.58	188.8	41.58	194.0	42.35
		692.0	137.7	23.82	149.0	28.24	162.3	32.94	176.4	37.08	181.6	37.94	188.8	38.93	194.0	39.65
		865.0	137.7	23.18	149.0	27.67	162.3	32.24	176.4	36.36	181.6	37.28	188.8	38.22	194.0	38.58
		1038.0	137.7	22.85	149.0	27.38	162.3	31.88	176.4	36.00	181.6	36.95	188.8	37.86	194.0	38.05
	40	276.8	133.7	30.41	144.8	35.30	157.7	41.09	171.3	46.32	176.6	47.39	183.3	48.55	188.5	49.41
		346.0	133.7	29.80	144.8	34.72	157.7	40.44	171.3	45.56	176.6	46.64	183.3	47.77	188.5	48.63
		692.0	133.7	27.39	144.8	32.45	157.7	37.86	171.3	42.58	176.6	43.63	183.3	44.71	188.5	45.56
		865.0	133.7	26.60	144.8	31.79	157.7	37.08	171.3	41.78	176.6	42.78	183.3	43.91	188.5	44.35
		1038.0	133.7	26.21	144.8	31.46	157.7	36.68	171.3	41.37	176.6	42.36	183.3	43.51	188.5	43.74

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	276.8	129.7	34.33	140.6	39.86	153.0	46.38	166.3	52.34	171.5	53.54	177.9	54.85	183.1	55.78
		346.0	129.7	33.65	140.6	39.21	153.0	45.65	166.3	51.48	171.5	52.69	177.9	53.97	183.1	54.91
		692.0	129.7	30.95	140.6	36.66	153.0	42.77	166.3	48.08	171.5	49.32	177.9	50.50	183.1	51.48
		865.0	129.7	30.03	140.6	35.92	153.0	41.92	166.3	47.19	171.5	48.28	177.9	49.61	183.1	50.11
		1038.0	129.7	29.57	140.6	35.55	153.0	41.49	166.3	46.75	171.5	47.76	177.9	49.17	183.1	49.43
80	10	276.8	125.7	8.27	136.2	9.46	148.4	11.00	161.2	12.56	166.1	12.75	172.6	13.12	177.4	13.24
		346.0	125.7	8.09	136.2	9.34	148.4	10.85	161.2	12.34	166.1	12.55	172.6	12.89	177.4	13.04
		692.0	125.7	7.35	136.2	8.84	148.4	10.22	161.2	11.46	166.1	11.79	172.6	12.00	177.4	12.21
		865.0	125.7	7.27	136.2	8.57	148.4	10.02	161.2	11.26	166.1	11.47	172.6	11.81	177.4	11.93
		1038.0	125.7	7.22	136.2	8.43	148.4	9.92	161.2	11.16	166.1	11.31	172.6	11.71	177.4	11.79
	15	276.8	125.7	11.14	136.2	12.89	148.4	15.00	161.2	16.96	166.1	17.32	172.6	17.76	177.4	18.05
		346.0	125.7	10.91	136.2	12.69	148.4	14.77	161.2	16.68	166.1	17.05	172.6	17.47	177.4	17.76
		692.0	125.7	9.99	136.2	11.90	148.4	13.83	161.2	15.55	166.1	15.96	172.6	16.33	177.4	16.62
		865.0	125.7	9.77	136.2	11.62	148.4	13.55	161.2	15.27	166.1	15.62	172.6	16.05	177.4	16.19
		1038.0	125.7	9.65	136.2	11.48	148.4	13.41	161.2	15.12	166.1	15.45	172.6	15.91	177.4	15.97
	20	276.8	125.7	13.68	136.2	15.95	148.4	18.56	161.2	20.88	166.1	21.38	172.6	21.88	177.4	22.32
		346.0	125.7	13.41	136.2	15.68	148.4	18.25	161.2	20.54	166.1	21.04	172.6	21.54	177.4	21.96
		692.0	125.7	12.34	136.2	14.62	148.4	17.05	161.2	19.18	166.1	19.67	172.6	20.18	177.4	20.54
		865.0	125.7	11.99	136.2	14.33	148.4	16.69	161.2	18.83	166.1	19.32	172.6	19.81	177.4	19.97
		1038.0	125.7	11.81	136.2	14.19	148.4	16.51	161.2	18.65	166.1	19.14	172.6	19.63	177.4	19.69
	25	276.8	125.7	16.74	136.2	19.43	148.4	22.61	161.2	25.43	166.1	26.09	172.6	26.73	177.4	27.18
		346.0	125.7	16.40	136.2	19.11	148.4	22.24	161.2	25.03	166.1	25.66	172.6	26.30	177.4	26.75
		692.0	125.7	15.05	136.2	17.84	148.4	20.81	161.2	23.45	166.1	23.97	172.6	24.60	177.4	25.03
		865.0	125.7	14.62	136.2	17.47	148.4	20.39	161.2	22.96	166.1	23.53	172.6	24.17	177.4	24.38
		1038.0	125.7	14.41	136.2	17.29	148.4	20.18	161.2	22.71	166.1	23.32	172.6	23.95	177.4	24.06
	30	276.8	125.7	20.51	136.2	23.85	148.4	27.83	161.2	31.31	166.1	32.03	172.6	32.82	177.4	33.47
		346.0	125.7	20.12	136.2	23.47	148.4	27.38	161.2	30.80	166.1	31.52	172.6	32.30	177.4	32.93
		692.0	125.7	18.53	136.2	21.96	148.4	25.60	161.2	28.81	166.1	29.51	172.6	30.24	177.4	30.80
		865.0	125.7	18.03	136.2	21.47	148.4	25.03	161.2	28.24	166.1	28.95	172.6	29.66	177.4	30.01
		1038.0	125.7	17.78	136.2	21.22	148.4	24.75	161.2	27.96	166.1	28.67	172.6	29.38	177.4	29.62
	35	276.8	125.7	22.84	136.2	26.53	148.4	30.87	161.2	34.79	166.1	35.66	172.6	36.53	177.4	37.17
		346.0	125.7	22.39	136.2	26.10	148.4	30.38	161.2	34.23	166.1	35.08	172.6	35.94	177.4	36.58
		692.0	125.7	20.61	136.2	24.39	148.4	28.45	161.2	32.02	166.1	32.79	172.6	33.59	177.4	34.22
		865.0	125.7	20.03	136.2	23.88	148.4	27.88	161.2	31.38	166.1	32.16	172.6	33.01	177.4	33.30
		1038.0	125.7	19.74	136.2	23.63	148.4	27.59	161.2	31.06	166.1	31.84	172.6	32.72	177.4	32.84
	40	276.8	125.7	27.06	136.2	31.46	148.4	36.61	161.2	41.24	166.1	42.19	172.6	43.26	177.4	43.98
		346.0	125.7	26.52	136.2	30.94	148.4	36.01	161.2	40.57	166.1	41.50	172.6	42.56	177.4	43.28
		692.0	125.7	24.38	136.2	28.88	148.4	33.66	161.2	37.93	166.1	38.79	172.6	39.79	177.4	40.50
		865.0	125.7	23.68	136.2	28.30	148.4	32.95	161.2	37.15	166.1	38.07	172.6	39.07	177.4	39.44
		1038.0	125.7	23.32	136.2	28.01	148.4	32.60	161.2	36.76	166.1	37.72	172.6	38.71	177.4	38.90
	45	276.8	125.7	31.28	136.2	36.38	148.4	42.35	161.2	47.68	166.1	48.72	172.6	49.99	177.4	50.80
		346.0	125.7	30.65	136.2	35.78	148.4	41.64	161.2	46.91	166.1	47.92	172.6	49.18	177.4	49.99
		692.0	125.7	28.16	136.2	33.38	148.4	38.87	161.2	43.85	166.1	44.79	172.6	45.99	177.4	46.79
		865.0	125.7	27.32	136.2	32.72	148.4	38.03	161.2	42.92	166.1	43.99	172.6	45.14	177.4	45.58
		1038.0	125.7	26.90	136.2	32.39	148.4	37.60	161.2	42.46	166.1	43.59	172.6	44.71	177.4	44.97
70	10	276.8	110.1	6.77	119.2	7.89	129.9	9.14	141.1	10.30	145.3	10.66	151.0	10.93	155.2	11.00
		346.0	110.1	6.65	119.2	7.76	129.9	9.00	141.1	10.16	145.3	10.49	151.0	10.76	155.2	10.85
		692.0	110.1	6.16	119.2	7.22	129.9	8.43	141.1	9.59	145.3	9.81	151.0	10.08	155.2	10.22
		865.0	110.1	6.02	119.2	7.07	129.9	8.30	141.1	9.34	145.3	9.54	151.0	9.81	155.2	9.95
		1038.0	110.1	5.95	119.2	6.99	129.9	8.23	141.1	9.21	145.3	9.41	151.0	9.67	155.2	9.81
	15	276.8	110.1	9.23	119.2	10.74	129.9	12.47	141.1	14.05	145.3	14.42	151.0	14.77	155.2	15.00
		346.0	110.1	9.05	119.2	10.56	129.9	12.27	141.1	13.83	145.3	14.18	151.0	14.54	155.2	14.77
		692.0	110.1	8.33	119.2	9.85	129.9	11.48	141.1	12.97	145.3	13.26	151.0	13.62	155.2	13.83
		865.0	110.1	8.12	119.2	9.63	129.9	11.26	141.1	12.69	145.3	12.99	151.0	13.34	155.2	13.48
		1038.0	110.1	8.01	119.2	9.52	129.9	11.15	141.1	12.56	145.3	12.85	151.0	13.19	155.2	13.30
	20	276.8	110.1	11.42	119.2	13.26	129.9	15.43	141.1	17.39	145.3	17.76	151.0	18.19	155.2	18.56
		346.0	110.1	11.19	119.2	13.04	129.9	15.18	141.1	17.10	145.3	17.47	151.0	17.90	155.2	18.25
		692.0	110.1	10.27	119.2	12.19	129.9	14.19	141.1	15.97	145.3	16.33	151.0	16.76	155.2	17.05
		865.0	110.1	9.98	119.2	11.91	129.9	13.90	141.1	15.68	145.3	16.05	151.0	16.47	155.2	16.61
		1038.0	110.1	9.84	119.2	11.78	129.9	13.75	141.1	15.53	145.3	15.91	151.0	16.32	155.2	16.39
	25	276.8	110.1	13.89	119.2	16.17	129.9	18.77	141.1	21.16	145.3	21.67	151.0	22.17	155.2	22.60
		346.0	110.1	13.62	119.2	15.90	129.9	18.48	141.1	20.82	145.3	21.32	151.0	21.83	155.2	22.24
		692.0	110.1	12.54	119.2	14.83	129.9	17.32	141.1	19.47	145.3	19.96	151.0	20.46	155.2	20.82
		865.0	110.1	12.19	119.2	14.54	129.9	16.96	141.1	19.11	145.3	19.54	151.0	20.04	155.2	20.26
		1038.0	110.1	12.01	119.2	14.39	129.9	16.78	141.1	18.93	145.3	19.33	151.0	19.83	155.2	19.97

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	276.8	110.1	17.10	119.2	19.86	129.9	23.12	141.1	26.02	145.3	26.67	151.0	27.31	155.2	27.83
		346.0	110.1	16.75	119.2	19.53	129.9	22.74	141.1	25.61	145.3	26.24	151.0	26.88	155.2	27.38
		692.0	110.1	15.40	119.2	18.25	129.9	21.25	141.1	23.96	145.3	24.53	151.0	25.16	155.2	25.60
		865.0	110.1	14.97	119.2	17.89	129.9	20.82	141.1	23.47	145.3	24.09	151.0	24.67	155.2	24.96
		1038.0	110.1	14.76	119.2	17.71	129.9	20.60	141.1	23.22	145.3	23.87	151.0	24.43	155.2	24.63
	35	276.8	110.1	18.99	119.2	22.02	129.9	25.73	141.1	28.92	145.3	29.64	151.0	30.36	155.2	30.87
		346.0	110.1	18.61	119.2	21.68	129.9	25.31	141.1	28.45	145.3	29.16	151.0	29.87	155.2	30.38
		692.0	110.1	17.11	119.2	20.31	129.9	23.61	141.1	26.60	145.3	27.24	151.0	27.95	155.2	28.45
		865.0	110.1	16.62	119.2	19.83	129.9	23.17	141.1	26.10	145.3	26.74	151.0	27.44	155.2	27.73
		1038.0	110.1	16.37	119.2	19.59	129.9	22.95	141.1	25.84	145.3	26.48	151.0	27.19	155.2	27.37
	40	276.8	110.1	22.49	119.2	26.09	129.9	30.44	141.1	34.28	145.3	35.08	151.0	35.94	155.2	36.58
		346.0	110.1	22.04	119.2	25.67	129.9	29.95	141.1	33.72	145.3	34.51	151.0	35.36	155.2	36.00
		692.0	110.1	20.26	119.2	24.03	129.9	28.02	141.1	31.52	145.3	32.29	151.0	33.08	155.2	33.72
		865.0	110.1	19.68	119.2	23.53	129.9	27.39	141.1	30.88	145.3	31.66	151.0	32.51	155.2	32.80
		1038.0	110.1	19.39	119.2	23.27	129.9	27.07	141.1	30.56	145.3	31.34	151.0	32.22	155.2	32.34
	45	276.8	110.1	25.99	119.2	30.15	129.9	35.14	141.1	39.65	145.3	40.51	151.0	41.52	155.2	42.29
		346.0	110.1	25.46	119.2	29.66	129.9	34.59	141.1	39.00	145.3	39.87	151.0	40.85	155.2	41.63
		692.0	110.1	23.40	119.2	27.75	129.9	32.43	141.1	36.44	145.3	37.34	151.0	38.22	155.2	39.00
		865.0	110.1	22.74	119.2	27.22	129.9	31.60	141.1	35.66	145.3	36.59	151.0	37.58	155.2	37.87
		1038.0	110.1	22.41	119.2	26.95	129.9	31.19	141.1	35.27	145.3	36.21	151.0	37.25	155.2	37.30
60	10	276.8	94.4	5.39	102.2	6.27	111.2	7.24	120.9	8.30	124.6	8.52	129.5	8.63	133.1	8.78
		346.0	94.4	5.29	102.2	6.16	111.2	7.15	120.9	8.15	124.6	8.36	129.5	8.50	133.1	8.66
		692.0	94.4	4.87	102.2	5.76	111.2	6.79	120.9	7.60	124.6	7.76	129.5	8.02	133.1	8.15
		865.0	94.4	4.67	102.2	5.70	111.2	6.65	120.9	7.48	124.6	7.63	129.5	7.82	133.1	7.96
		1038.0	94.4	4.57	102.2	5.67	111.2	6.59	120.9	7.41	124.6	7.56	129.5	7.71	133.1	7.86
	15	276.8	94.4	7.35	102.2	8.55	111.2	9.92	120.9	11.23	124.6	11.52	129.5	11.74	133.1	11.95
		346.0	94.4	7.20	102.2	8.41	111.2	9.77	120.9	11.05	124.6	11.33	129.5	11.55	133.1	11.77
		692.0	94.4	6.63	102.2	7.84	111.2	9.19	120.9	10.33	124.6	10.56	129.5	10.84	133.1	11.05
		865.0	94.4	6.42	102.2	7.70	111.2	8.98	120.9	10.12	124.6	10.35	129.5	10.62	133.1	10.76
		1038.0	94.4	6.32	102.2	7.63	111.2	8.88	120.9	10.02	124.6	10.24	129.5	10.51	133.1	10.62
	20	276.8	94.4	9.09	102.2	10.59	111.2	12.31	120.9	13.83	124.6	14.20	129.5	14.50	133.1	14.77
		346.0	94.4	8.91	102.2	10.41	111.2	12.11	120.9	13.62	124.6	13.97	129.5	14.27	133.1	14.54
		692.0	94.4	8.19	102.2	9.70	111.2	11.33	120.9	12.76	124.6	13.04	129.5	13.34	133.1	13.62
		865.0	94.4	7.98	102.2	9.48	111.2	11.06	120.9	12.48	124.6	12.77	129.5	13.12	133.1	13.26
		1038.0	94.4	7.87	102.2	9.37	111.2	10.92	120.9	12.34	124.6	12.63	129.5	13.01	133.1	13.08
	25	276.8	94.4	11.06	102.2	12.90	111.2	15.01	120.9	16.88	124.6	17.25	129.5	17.68	133.1	18.04
		346.0	94.4	10.84	102.2	12.69	111.2	14.76	120.9	16.61	124.6	16.98	129.5	17.40	133.1	17.75
		692.0	94.4	9.98	102.2	11.84	111.2	13.77	120.9	15.54	124.6	15.90	129.5	16.32	133.1	16.61
		865.0	94.4	9.70	102.2	11.55	111.2	13.49	120.9	15.19	124.6	15.61	129.5	15.98	133.1	16.18
		1038.0	94.4	9.56	102.2	11.41	111.2	13.34	120.9	15.01	124.6	15.47	129.5	15.81	133.1	15.96
	30	276.8	94.4	13.60	102.2	15.80	111.2	18.41	120.9	20.72	124.6	21.24	129.5	21.74	133.1	22.18
		346.0	94.4	13.34	102.2	15.55	111.2	18.12	120.9	20.40	124.6	20.90	129.5	21.40	133.1	21.82
		692.0	94.4	12.27	102.2	14.55	111.2	16.97	120.9	19.11	124.6	19.54	129.5	20.04	133.1	20.40
		865.0	94.4	11.91	102.2	14.26	111.2	16.61	120.9	18.75	124.6	19.18	129.5	19.68	133.1	19.89
		1038.0	94.4	11.73	102.2	14.11	111.2	16.43	120.9	18.57	124.6	19.00	129.5	19.50	133.1	19.63
	35	276.8	94.4	15.14	102.2	17.61	111.2	20.51	120.9	23.04	124.6	23.62	129.5	24.21	133.1	24.64
		346.0	94.4	14.83	102.2	17.32	111.2	20.17	120.9	22.68	124.6	23.24	129.5	23.82	133.1	24.24
		692.0	94.4	13.63	102.2	16.18	111.2	18.83	120.9	21.25	124.6	21.75	129.5	22.25	133.1	22.68
		865.0	94.4	13.26	102.2	15.83	111.2	18.47	120.9	20.81	124.6	21.32	129.5	21.89	133.1	22.10
		1038.0	94.4	13.08	102.2	15.66	111.2	18.29	120.9	20.60	124.6	21.11	129.5	21.70	133.1	21.81
	40	276.8	94.4	17.89	102.2	20.80	111.2	24.28	120.9	27.32	124.6	27.97	129.5	28.62	133.1	29.20
		346.0	94.4	17.54	102.2	20.47	111.2	23.88	120.9	26.88	124.6	27.52	129.5	28.17	133.1	28.73
		692.0	94.4	16.18	102.2	19.17	111.2	22.32	120.9	25.11	124.6	25.74	129.5	26.38	133.1	26.88
		865.0	94.4	15.69	102.2	18.75	111.2	21.89	120.9	24.61	124.6	25.24	129.5	25.89	133.1	26.16
		1038.0	94.4	15.44	102.2	18.54	111.2	21.67	120.9	24.36	124.6	24.99	129.5	25.64	133.1	25.80
	45	276.8	94.4	20.64	102.2	24.00	111.2	28.04	120.9	31.61	124.6	32.31	129.5	33.03	133.1	33.77
		346.0	94.4	20.26	102.2	23.63	111.2	27.59	120.9	31.08	124.6	31.79	129.5	32.52	133.1	33.22
		692.0	94.4	18.73	102.2	22.17	111.2	25.81	120.9	28.97	124.6	29.73	129.5	30.50	133.1	31.08
		865.0	94.4	18.12	102.2	21.67	111.2	25.31	120.9	28.40	124.6	29.16	129.5	29.89	133.1	30.22
		1038.0	94.4	17.81	102.2	21.42	111.2	25.05	120.9	28.12	124.6	28.87	129.5	29.58	133.1	29.79
50	10	276.8	78.6	4.01	85.1	4.65	92.7	5.57	100.9	6.11	103.9	6.25	107.8	6.49	110.8	6.56
		346.0	78.6	3.93	85.1	4.59	92.7	5.47	100.9	6.03	103.9	6.18	107.8	6.37	110.8	6.46
		692.0	78.6	3.58	85.1	4.32	92.7	5.08	100.9	5.70	103.9	5.90	107.8	5.90	110.8	6.03
		865.0	78.6	3.50	85.1	4.32	92.7	4.95	100.9	5.55	103.9	5.63	107.8	5.83	110.8	5.84
		1038.0	78.6	3.46	85.1	4.32	92.7	4.88	100.9	5.48	103.9	5.49	107.8	5.80	110.8	5.75

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	276.8	78.6	5.47	85.1	6.38	92.7	7.46	100.9	8.33	103.9	8.55	107.8	8.77	110.8	8.92
		346.0	78.6	5.36	85.1	6.27	92.7	7.34	100.9	8.20	103.9	8.42	107.8	8.63	110.8	8.78
		692.0	78.6	4.93	85.1	5.85	92.7	6.85	100.9	7.70	103.9	7.91	107.8	8.06	110.8	8.20
		865.0	78.6	4.78	85.1	5.77	92.7	6.71	100.9	7.55	103.9	7.70	107.8	7.92	110.8	7.99
		1038.0	78.6	4.71	85.1	5.74	92.7	6.63	100.9	7.48	103.9	7.60	107.8	7.85	110.8	7.89
	20	276.8	78.6	6.76	85.1	7.91	92.7	9.14	100.9	10.30	103.9	10.59	107.8	10.80	110.8	11.02
		346.0	78.6	6.63	85.1	7.77	92.7	8.99	100.9	10.13	103.9	10.41	107.8	10.63	110.8	10.84
		692.0	78.6	6.12	85.1	7.20	92.7	8.42	100.9	9.48	103.9	9.70	107.8	9.98	110.8	10.13
		865.0	78.6	5.92	85.1	7.06	92.7	8.27	100.9	9.33	103.9	9.55	107.8	9.77	110.8	9.91
		1038.0	78.6	5.82	85.1	6.99	92.7	8.19	100.9	9.26	103.9	9.47	107.8	9.67	110.8	9.79
	25	276.8	78.6	8.22	85.1	9.56	92.7	11.16	100.9	12.62	103.9	12.90	107.8	13.19	110.8	13.39
		346.0	78.6	8.06	85.1	9.42	92.7	10.98	100.9	12.40	103.9	12.69	107.8	12.98	110.8	13.19
		692.0	78.6	7.42	85.1	8.83	92.7	10.27	100.9	11.55	103.9	11.84	107.8	12.13	110.8	12.40
		865.0	78.6	7.20	85.1	8.63	92.7	10.06	100.9	11.34	103.9	11.62	107.8	11.91	110.8	12.05
		1038.0	78.6	7.10	85.1	8.52	92.7	9.95	100.9	11.23	103.9	11.51	107.8	11.80	110.8	11.88
	30	276.8	78.6	10.19	85.1	11.82	92.7	13.77	100.9	15.51	103.9	15.88	107.8	16.22	110.8	16.52
		346.0	78.6	9.97	85.1	11.62	92.7	13.54	100.9	15.26	103.9	15.61	107.8	15.97	110.8	16.25
		692.0	78.6	9.13	85.1	10.84	92.7	12.63	100.9	14.26	103.9	14.55	107.8	14.97	110.8	15.19
		865.0	78.6	8.91	85.1	10.62	92.7	12.40	100.9	13.98	103.9	14.32	107.8	14.68	110.8	14.83
		1038.0	78.6	8.80	85.1	10.51	92.7	12.29	100.9	13.83	103.9	14.21	107.8	14.54	110.8	14.65
	35	276.8	78.6	11.27	85.1	13.12	92.7	15.29	100.9	17.18	103.9	17.62	107.8	18.04	110.8	18.33
		346.0	78.6	11.06	85.1	12.90	92.7	15.04	100.9	16.90	103.9	17.33	107.8	17.75	110.8	18.04
		692.0	78.6	10.19	85.1	12.05	92.7	14.05	100.9	15.83	103.9	16.19	107.8	16.61	110.8	16.90
		865.0	78.6	9.91	85.1	11.83	92.7	13.76	100.9	15.54	103.9	15.90	107.8	16.32	110.8	16.47
		1038.0	78.6	9.77	85.1	11.72	92.7	13.61	100.9	15.39	103.9	15.75	107.8	16.17	110.8	16.25
	40	276.8	78.6	13.39	85.1	15.52	92.7	18.12	100.9	20.37	103.9	20.87	107.8	21.37	110.8	21.74
		346.0	78.6	13.12	85.1	15.27	92.7	17.82	100.9	20.04	103.9	20.53	107.8	21.03	110.8	21.40
		692.0	78.6	12.05	85.1	14.27	92.7	16.62	100.9	18.75	103.9	19.18	107.8	19.68	110.8	20.03
		865.0	78.6	11.70	85.1	13.98	92.7	16.32	100.9	18.39	103.9	18.83	107.8	19.32	110.8	19.47
		1038.0	78.6	11.52	85.1	13.83	92.7	16.17	100.9	18.21	103.9	18.65	107.8	19.13	110.8	19.19
	45	276.8	78.6	15.50	85.1	17.92	92.7	20.95	100.9	23.56	103.9	24.13	107.8	24.70	110.8	25.15
		346.0	78.6	15.18	85.1	17.63	92.7	20.60	100.9	23.18	103.9	23.73	107.8	24.31	110.8	24.75
		692.0	78.6	13.90	85.1	16.48	92.7	19.19	100.9	21.67	103.9	22.18	107.8	22.75	110.8	23.16
		865.0	78.6	13.49	85.1	16.12	92.7	18.88	100.9	21.25	103.9	21.75	107.8	22.31	110.8	22.48
		1038.0	78.6	13.28	85.1	15.94	92.7	18.73	100.9	21.03	103.9	21.54	107.8	22.09	110.8	22.14

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(74HP)

ARWN740LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	284.4	192.6	13.91	208.6	16.30	227.0	18.99	246.7	21.30	254.3	21.78	264.3	22.47	271.6	22.80
		355.5	192.6	13.66	208.6	16.01	227.0	18.67	246.7	20.96	254.3	21.46	264.3	22.09	271.6	22.46
		711.0	192.6	12.66	208.6	14.89	227.0	17.38	246.7	19.60	254.3	20.16	264.3	20.60	271.6	21.08
		888.8	192.6	12.29	208.6	14.65	227.0	17.09	246.7	19.17	254.3	19.73	264.3	20.23	271.6	20.53
		1066.5	192.6	12.10	208.6	14.53	227.0	16.94	246.7	18.95	254.3	19.52	264.3	20.05	271.6	20.25
	15	284.4	189.5	18.34	205.2	21.37	223.4	24.90	242.9	27.98	250.2	28.65	259.9	29.39	267.3	29.90
		355.5	189.5	17.98	205.2	21.01	223.4	24.49	242.9	27.53	250.2	28.20	259.9	28.93	267.3	29.45
		711.0	189.5	16.58	205.2	19.62	223.4	22.87	242.9	25.75	250.2	26.42	259.9	27.09	267.3	27.67
		888.8	189.5	16.13	205.2	19.23	223.4	22.42	242.9	25.24	250.2	25.90	259.9	26.56	267.3	27.01
		1066.5	189.5	15.90	205.2	19.04	223.4	22.19	242.9	24.97	250.2	25.64	259.9	26.30	267.3	26.68
	20	284.4	186.7	22.27	202.2	25.87	220.2	30.16	239.4	33.92	246.5	34.75	256.0	35.55	263.4	36.20
		355.5	186.7	21.82	202.2	25.46	220.2	29.67	239.4	33.38	246.5	34.19	256.0	35.01	263.4	35.66
		711.0	186.7	20.06	202.2	23.82	220.2	27.75	239.4	31.23	246.5	31.98	256.0	32.86	263.4	33.52
		888.8	186.7	19.54	202.2	23.31	220.2	27.16	239.4	30.63	246.5	31.38	256.0	32.19	263.4	32.78
		1066.5	186.7	19.28	202.2	23.05	220.2	26.87	239.4	30.33	246.5	31.08	256.0	31.86	263.4	32.41
	25	284.4	186.7	27.48	202.2	31.89	220.2	37.16	239.4	41.90	246.5	42.86	256.0	43.89	263.4	44.63
		355.5	186.7	26.94	202.2	31.38	220.2	36.56	239.4	41.22	246.5	42.17	256.0	43.22	263.4	43.96
		711.0	186.7	24.79	202.2	29.37	220.2	34.19	239.4	38.49	246.5	39.45	256.0	40.54	263.4	41.30
		888.8	186.7	24.05	202.2	28.71	220.2	33.51	239.4	37.75	246.5	38.71	256.0	39.74	263.4	40.40
		1066.5	186.7	23.68	202.2	28.38	220.2	33.18	239.4	37.37	246.5	38.34	256.0	39.34	263.4	39.95
	30	284.4	186.7	33.00	202.2	38.28	220.2	44.60	239.4	50.26	246.5	51.44	256.0	52.69	263.4	53.57
		355.5	186.7	32.33	202.2	37.67	220.2	43.88	239.4	49.43	246.5	50.62	256.0	51.87	263.4	52.77
		711.0	186.7	29.68	202.2	35.22	220.2	41.06	239.4	46.18	246.5	47.36	256.0	48.61	263.4	49.58
		888.8	186.7	28.86	202.2	34.48	220.2	40.19	239.4	45.29	246.5	46.47	256.0	47.66	263.4	48.47
		1066.5	186.7	28.45	202.2	34.11	220.2	39.75	239.4	44.84	246.5	46.03	256.0	47.17	263.4	47.91
	35	284.4	168.1	33.30	181.9	38.74	198.1	45.13	215.4	50.76	221.9	52.04	230.5	53.29	237.0	54.16
		355.5	168.1	32.64	181.9	38.11	198.1	44.40	215.4	49.95	221.9	51.20	230.5	52.46	237.0	53.35
		711.0	168.1	30.04	181.9	35.60	198.1	41.51	215.4	46.76	221.9	47.88	230.5	49.14	237.0	50.17
		888.8	168.1	29.22	181.9	34.85	198.1	40.63	215.4	45.81	221.9	46.99	230.5	48.18	237.0	48.99
		1066.5	168.1	28.81	181.9	34.47	198.1	40.19	215.4	45.33	221.9	46.54	230.5	47.70	237.0	48.40
	40	284.4	149.3	35.19	161.8	40.83	176.1	47.60	191.4	53.56	197.3	54.81	204.8	56.14	210.7	57.18
		355.5	149.3	34.48	161.8	40.18	176.1	46.84	191.4	52.70	197.3	53.95	204.8	55.28	210.7	56.32
		711.0	149.3	31.68	161.8	37.59	176.1	43.81	191.4	49.29	197.3	50.54	204.8	51.87	210.7	52.90
		888.8	149.3	30.79	161.8	36.78	176.1	42.85	191.4	48.32	197.3	49.58	204.8	50.84	210.7	51.72
		1066.5	149.3	30.34	161.8	36.37	176.1	42.37	191.4	47.83	197.3	49.10	204.8	50.33	210.7	51.13
	45	284.4	130.5	37.08	141.7	42.93	154.1	50.07	167.5	56.36	172.6	57.58	179.1	58.99	184.3	60.19
		355.5	130.5	36.32	141.7	42.25	154.1	49.27	167.5	55.44	172.6	56.70	179.1	58.10	184.3	59.28
		711.0	130.5	33.31	141.7	39.57	154.1	46.10	167.5	51.82	172.6	53.20	179.1	54.60	184.3	55.64
		888.8	130.5	32.35	141.7	38.70	154.1	45.07	167.5	50.83	172.6	52.17	179.1	53.50	184.3	54.45
		1066.5	130.5	31.87	141.7	38.27	154.1	44.55	167.5	50.34	172.6	51.65	179.1	52.95	184.3	53.85
120	10	284.4	182.4	13.27	197.3	15.46	215.0	17.91	233.6	20.19	240.6	20.78	250.1	21.28	257.0	21.55
		355.5	182.4	13.00	197.3	15.21	215.0	17.64	233.6	19.86	240.6	20.42	250.1	20.92	257.0	21.22
		711.0	182.4	11.92	197.3	14.21	215.0	16.57	233.6	18.56	240.6	19.00	250.1	19.50	257.0	19.93
		888.8	182.4	11.57	197.3	13.78	215.0	16.20	233.6	18.15	240.6	18.71	250.1	19.16	257.0	19.50
		1066.5	182.4	11.39	197.3	13.56	215.0	16.01	233.6	17.94	240.6	18.56	250.1	18.98	257.0	19.28
	15	284.4	180.2	17.60	195.1	20.46	212.6	23.76	231.0	26.78	237.9	27.45	247.2	28.12	254.1	28.56
		355.5	180.2	17.24	195.1	20.12	212.6	23.39	231.0	26.35	237.9	27.00	247.2	27.67	254.1	28.13
		711.0	180.2	15.83	195.1	18.79	212.6	21.90	231.0	24.64	237.9	25.24	247.2	25.90	254.1	26.42
		888.8	180.2	15.39	195.1	18.35	212.6	21.45	231.0	24.13	237.9	24.79	247.2	25.39	254.1	25.82
		1066.5	180.2	15.17	195.1	18.13	212.6	21.23	231.0	23.87	237.9	24.56	247.2	25.13	254.1	25.52
	20	284.4	178.3	21.44	193.1	24.90	210.4	28.97	228.6	32.64	235.5	33.38	244.6	34.20	251.5	34.79
		355.5	178.3	21.01	193.1	24.49	210.4	28.50	228.6	32.12	235.5	32.86	244.6	33.67	251.5	34.27
		711.0	178.3	19.31	193.1	22.87	210.4	26.64	228.6	30.04	235.5	30.78	244.6	31.59	251.5	32.18
		888.8	178.3	18.79	193.1	22.42	210.4	26.12	228.6	29.45	235.5	30.19	244.6	30.93	251.5	31.44
		1066.5	178.3	18.53	193.1	22.19	210.4	25.86	228.6	29.15	235.5	29.90	244.6	30.60	251.5	31.07
	25	284.4	178.3	26.35	193.1	30.62	210.4	35.65	228.6	40.08	235.5	41.06	244.6	42.10	251.5	42.83
		355.5	178.3	25.82	193.1	30.11	210.4	35.07	228.6	39.45	235.5	40.40	244.6	41.43	251.5	42.17
		711.0	178.3	23.75	193.1	28.12	210.4	32.78	228.6	36.92	235.5	37.81	244.6	38.78	251.5	39.58
		888.8	178.3	23.09	193.1	27.53	210.4	32.12	228.6	36.18	235.5	37.08	244.6	38.04	251.5	38.63
		1066.5	178.3	22.75	193.1	27.24	210.4	31.78	228.6	35.81	235.5	36.71	244.6	37.67	251.5	38.14
	30	284.4	178.3	31.78	193.1	37.01	210.4	43.11	228.6	48.51	235.5	49.63	244.6	50.89	251.5	51.78
		355.5	178.3	31.16	193.1	36.41	210.4	42.40	228.6	47.72	235.5	48.85	244.6	50.09	251.5	50.98
		711.0	178.3	28.71	193.1	34.03	210.4	39.59	228.6	44.63	235.5	45.73	244.6	46.91	251.5	47.81
		888.8	178.3	27.89	193.1	33.30	210.4	38.78	228.6	43.74	235.5	44.85	244.6	46.02	251.5	46.70
		1066.5	178.3	27.49	193.1	32.93	210.4	38.37	228.6	43.29	235.5	44.41	244.6	45.58	251.5	46.14

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	284.4	163.1	32.62	176.7	37.91	192.5	44.15	209.2	49.72	215.4	50.92	223.8	52.10	230.1	53.06
		355.5	163.1	31.97	176.7	37.30	192.5	43.43	209.2	48.92	215.4	50.10	223.8	51.29	230.1	52.24
		711.0	163.1	29.38	176.7	34.85	192.5	40.62	209.2	45.73	215.4	46.84	223.8	48.10	230.1	48.99
		888.8	163.1	28.57	176.7	34.12	192.5	39.81	209.2	44.84	215.4	45.96	223.8	47.14	230.1	47.87
		1066.5	163.1	28.16	176.7	33.75	192.5	39.40	209.2	44.39	215.4	45.52	223.8	46.66	230.1	47.31
	40	284.4	148.0	35.11	160.3	40.76	174.6	47.53	189.9	53.48	195.5	54.76	203.1	56.09	208.7	57.12
		355.5	148.0	34.41	160.3	40.11	174.6	46.77	189.9	52.62	195.5	53.88	203.1	55.21	208.7	56.24
		711.0	148.0	31.67	160.3	37.52	174.6	43.73	189.9	49.21	195.5	50.40	203.1	51.73	208.7	52.76
		888.8	148.0	30.78	160.3	36.71	174.6	42.84	189.9	48.25	195.5	49.50	203.1	50.76	208.7	51.51
		1066.5	148.0	30.33	160.3	36.30	174.6	42.39	189.9	47.77	195.5	49.05	203.1	50.28	208.7	50.88
	45	284.4	132.9	37.59	143.9	43.62	156.7	50.92	170.6	57.24	175.6	58.60	182.4	60.08	187.3	61.17
		355.5	132.9	36.86	143.9	42.93	156.7	50.10	170.6	56.32	175.6	57.66	182.4	59.13	187.3	60.23
		711.0	132.9	33.95	143.9	40.19	156.7	46.84	170.6	52.69	175.6	53.96	182.4	55.37	187.3	56.52
		888.8	132.9	32.99	143.9	39.30	156.7	45.87	170.6	51.66	175.6	53.04	182.4	54.39	187.3	55.14
		1066.5	132.9	32.50	143.9	38.85	156.7	45.38	170.6	51.15	175.6	52.58	182.4	53.90	187.3	54.45
110	10	284.4	171.9	12.51	186.3	14.49	202.8	16.97	220.3	19.05	226.8	19.48	235.8	20.06	242.2	20.37
		355.5	171.9	12.26	186.3	14.26	202.8	16.68	220.3	18.75	226.8	19.19	235.8	19.74	242.2	20.05
		711.0	171.9	11.26	186.3	13.34	202.8	15.55	220.3	17.53	226.8	18.04	235.8	18.47	242.2	18.77
		888.8	171.9	10.97	186.3	13.06	202.8	15.19	220.3	17.26	226.8	17.55	235.8	18.11	242.2	18.32
		1066.5	171.9	10.82	186.3	12.91	202.8	15.01	220.3	17.12	226.8	17.31	235.8	17.93	242.2	18.09
	15	284.4	170.9	16.77	185.1	19.48	201.6	22.71	219.1	25.57	225.6	26.17	234.4	26.84	240.9	27.30
		355.5	170.9	16.43	185.1	19.17	201.6	22.34	219.1	25.16	225.6	25.75	234.4	26.41	240.9	26.87
		711.0	170.9	15.10	185.1	17.91	201.6	20.88	219.1	23.53	225.6	24.12	234.4	24.72	240.9	25.17
		888.8	170.9	14.72	185.1	17.54	201.6	20.43	219.1	23.09	225.6	23.61	234.4	24.27	240.9	24.56
		1066.5	170.9	14.53	185.1	17.36	201.6	20.20	219.1	22.86	225.6	23.36	234.4	24.04	240.9	24.26
	20	284.4	170.0	20.54	184.1	23.92	200.5	27.82	218.0	31.36	224.5	32.11	233.1	32.86	239.8	33.45
		355.5	170.0	20.13	184.1	23.53	200.5	27.38	218.0	30.86	224.5	31.59	233.1	32.34	239.8	32.93
		711.0	170.0	18.51	184.1	21.98	200.5	25.61	218.0	28.85	224.5	29.53	233.1	30.27	239.8	30.86
		888.8	170.0	18.05	184.1	21.53	200.5	25.08	218.0	28.27	224.5	29.00	233.1	29.74	239.8	30.11
		1066.5	170.0	17.82	184.1	21.31	200.5	24.81	218.0	27.97	224.5	28.73	233.1	29.48	239.8	29.74
	25	284.4	170.0	25.14	184.1	29.25	200.5	34.07	218.0	38.36	224.5	39.25	233.1	40.23	239.8	40.96
		355.5	170.0	24.65	184.1	28.78	200.5	33.52	218.0	37.75	224.5	38.63	233.1	39.59	239.8	40.33
		711.0	170.0	22.71	184.1	26.93	200.5	31.37	218.0	35.30	224.5	36.18	233.1	37.08	239.8	37.81
		888.8	170.0	22.06	184.1	26.34	200.5	30.71	218.0	34.63	224.5	35.45	233.1	36.41	239.8	36.85
		1066.5	170.0	21.73	184.1	26.05	200.5	30.37	218.0	34.29	224.5	35.08	233.1	36.07	239.8	36.37
	30	284.4	170.0	30.65	184.1	35.66	200.5	41.53	218.0	46.79	224.5	47.91	233.1	49.02	239.8	49.93
		355.5	170.0	30.05	184.1	35.08	200.5	40.85	218.0	46.02	224.5	47.14	233.1	48.25	239.8	49.14
		711.0	170.0	27.67	184.1	32.79	200.5	38.19	218.0	43.00	224.5	44.10	233.1	45.21	239.8	46.03
		888.8	170.0	26.93	184.1	32.12	200.5	37.44	218.0	42.18	224.5	43.22	233.1	44.33	239.8	44.92
		1066.5	170.0	26.55	184.1	31.78	200.5	37.07	218.0	41.77	224.5	42.78	233.1	43.89	239.8	44.36
	35	284.4	158.4	31.93	171.5	37.08	186.9	43.17	203.1	48.66	209.1	49.79	217.3	50.98	223.4	51.95
		355.5	158.4	31.30	171.5	36.48	186.9	42.48	203.1	47.87	209.1	48.99	217.3	50.18	223.4	51.13
		711.0	158.4	28.78	171.5	34.11	186.9	39.74	203.1	44.76	209.1	45.81	217.3	46.99	223.4	47.88
		888.8	158.4	27.97	171.5	33.38	186.9	38.92	203.1	43.87	209.1	44.99	217.3	46.10	223.4	46.70
		1066.5	158.4	27.56	171.5	33.01	186.9	38.51	203.1	43.43	209.1	44.58	217.3	45.65	223.4	46.10
	40	284.4	146.7	35.04	159.0	40.77	173.1	47.45	188.2	53.40	193.8	54.68	201.4	56.01	207.0	57.06
		355.5	146.7	34.34	159.0	40.10	173.1	46.69	188.2	52.54	193.8	53.80	201.4	55.13	207.0	56.16
		711.0	146.7	31.60	159.0	37.45	173.1	43.66	188.2	49.14	193.8	50.32	201.4	51.65	207.0	52.61
		888.8	146.7	30.71	159.0	36.64	173.1	42.77	188.2	48.17	193.8	49.43	201.4	50.69	207.0	51.28
		1066.5	146.7	30.26	159.0	36.23	173.1	42.32	188.2	47.69	193.8	48.97	201.4	50.20	207.0	50.61
	45	284.4	135.1	38.14	146.5	44.46	159.3	51.74	173.3	58.15	178.5	59.58	185.4	61.04	190.6	62.17
		355.5	135.1	37.39	146.5	43.72	159.3	50.90	173.3	57.21	178.5	58.62	185.4	60.09	190.6	61.19
		711.0	135.1	34.41	146.5	40.79	159.3	47.58	173.3	53.52	178.5	54.84	185.4	56.32	190.6	57.34
		888.8	135.1	33.45	146.5	39.90	159.3	46.62	173.3	52.47	178.5	53.86	185.4	55.27	190.6	55.87
		1066.5	135.1	32.96	146.5	39.46	159.3	46.14	173.3	51.95	178.5	53.37	185.4	54.75	190.6	55.12
100	10	284.4	161.6	11.84	175.0	13.76	190.6	15.84	207.2	18.02	213.5	18.30	221.7	18.89	227.9	19.23
		355.5	161.6	11.61	175.0	13.53	190.6	15.60	207.2	17.73	213.5	18.02	221.7	18.58	227.9	18.92
		711.0	161.6	10.68	175.0	12.61	190.6	14.65	207.2	16.58	213.5	16.94	221.7	17.36	227.9	17.71
		888.8	161.6	10.31	175.0	12.31	190.6	14.32	207.2	16.22	213.5	16.59	221.7	17.01	227.9	17.15
		1066.5	161.6	10.13	175.0	12.17	190.6	14.15	207.2	16.04	213.5	16.42	221.7	16.83	227.9	16.87
	15	284.4	161.6	16.01	175.0	18.58	190.6	21.59	207.2	24.37	213.5	24.90	221.7	25.57	227.9	26.01
		355.5	161.6	15.69	175.0	18.28	190.6	21.25	207.2	23.97	213.5	24.50	221.7	25.16	227.9	25.60
		711.0	161.6	14.43	175.0	17.09	190.6	19.90	207.2	22.42	213.5	22.94	221.7	23.53	227.9	23.97
		888.8	161.6	13.99	175.0	16.72	190.6	19.47	207.2	21.97	213.5	22.50	221.7	23.09	227.9	23.31
		1066.5	161.6	13.76	175.0	16.54	190.6	19.25	207.2	21.75	213.5	22.28	221.7	22.86	227.9	22.98

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	284.4	161.6	19.71	175.0	22.86	190.6	26.69	207.2	30.01	213.5	30.76	221.7	31.51	227.9	32.04
		355.5	161.6	19.31	175.0	22.50	190.6	26.26	207.2	29.53	213.5	30.26	221.7	31.00	227.9	31.53
		711.0	161.6	17.76	175.0	21.08	190.6	24.56	207.2	27.61	213.5	28.27	221.7	29.01	227.9	29.53
		888.8	161.6	17.25	175.0	20.64	190.6	24.04	207.2	27.08	213.5	27.75	221.7	28.49	227.9	28.78
		1066.5	161.6	16.99	175.0	20.42	190.6	23.78	207.2	26.82	213.5	27.48	221.7	28.23	227.9	28.41
	25	284.4	161.6	24.00	175.0	27.90	190.6	32.50	207.2	36.63	213.5	37.53	221.7	38.43	227.9	39.10
		355.5	161.6	23.53	175.0	27.45	190.6	31.98	207.2	36.04	213.5	36.92	221.7	37.81	227.9	38.48
		711.0	161.6	21.68	175.0	25.68	190.6	29.90	207.2	33.67	213.5	34.49	221.7	35.37	227.9	36.04
		888.8	161.6	21.08	175.0	25.16	190.6	29.30	207.2	33.01	213.5	33.83	221.7	34.71	227.9	35.08
		1066.5	161.6	20.78	175.0	24.90	190.6	29.00	207.2	32.67	213.5	33.49	221.7	34.37	227.9	34.60
	30	284.4	161.6	29.52	175.0	34.38	190.6	40.02	207.2	45.05	213.5	46.12	221.7	47.22	227.9	48.12
		355.5	161.6	28.94	175.0	33.82	190.6	39.37	207.2	44.32	213.5	45.37	221.7	46.47	227.9	47.35
		711.0	161.6	26.64	175.0	31.60	190.6	36.78	207.2	41.44	213.5	42.41	221.7	43.51	227.9	44.32
		888.8	161.6	25.90	175.0	30.93	190.6	36.04	207.2	40.63	213.5	41.66	221.7	42.70	227.9	43.14
		1066.5	161.6	25.53	175.0	30.60	190.6	35.66	207.2	40.22	213.5	41.28	221.7	42.29	227.9	42.55
	35	284.4	153.6	31.18	166.4	36.24	181.1	42.19	196.8	47.53	202.7	48.67	210.7	49.85	216.5	50.76
		355.5	153.6	30.56	166.4	35.66	181.1	41.52	196.8	46.77	202.7	47.88	210.7	49.06	216.5	49.95
		711.0	153.6	28.12	166.4	33.37	181.1	38.85	196.8	43.74	202.7	44.77	210.7	45.95	216.5	46.77
		888.8	153.6	27.38	166.4	32.63	181.1	38.04	196.8	42.92	202.7	43.95	210.7	45.07	216.5	45.52
		1066.5	153.6	27.00	166.4	32.27	181.1	37.63	196.8	42.50	202.7	43.54	210.7	44.62	216.5	44.89
	40	284.4	145.4	35.03	157.5	40.69	171.5	47.39	186.5	53.34	192.1	54.60	199.6	55.95	205.1	56.92
		355.5	145.4	34.33	157.5	40.03	171.5	46.62	186.5	52.47	192.1	53.73	199.6	55.05	205.1	56.02
		711.0	145.4	31.53	157.5	37.43	171.5	43.58	186.5	49.06	192.1	50.25	199.6	51.51	205.1	52.46
		888.8	145.4	30.70	157.5	36.62	171.5	42.69	186.5	48.11	192.1	49.29	199.6	50.55	205.1	51.07
		1066.5	145.4	30.28	157.5	36.21	171.5	42.24	186.5	47.62	192.1	48.81	199.6	50.07	205.1	50.36
	45	284.4	137.2	38.89	148.7	45.13	162.0	52.58	176.1	59.14	181.5	60.54	188.6	62.05	193.6	63.08
		355.5	137.2	38.09	148.7	44.40	162.0	51.72	176.1	58.18	181.5	59.57	188.6	61.05	193.6	62.09
		711.0	137.2	34.94	148.7	41.50	162.0	48.31	176.1	54.39	181.5	55.72	188.6	57.07	193.6	58.16
		888.8	137.2	34.02	148.7	40.61	162.0	47.34	176.1	53.29	181.5	54.62	188.6	56.03	193.6	56.62
		1066.5	137.2	33.56	148.7	40.16	162.0	46.86	176.1	52.74	181.5	54.07	188.6	55.51	193.6	55.84
90	10	284.4	145.4	10.08	157.5	11.70	171.5	13.67	186.5	15.47	192.1	15.75	199.6	16.08	205.1	16.57
		355.5	145.4	9.89	157.5	11.54	171.5	13.46	186.5	15.23	192.1	15.52	199.6	15.87	205.1	16.30
		711.0	145.4	9.17	157.5	10.88	171.5	12.62	186.5	14.29	192.1	14.59	199.6	15.02	205.1	15.23
		888.8	145.4	8.89	157.5	10.53	171.5	12.38	186.5	13.88	192.1	14.30	199.6	14.73	205.1	14.73
		1066.5	145.4	8.76	157.5	10.35	171.5	12.26	186.5	13.67	192.1	14.16	199.6	14.59	205.1	14.48
	15	284.4	145.4	13.73	157.5	15.94	171.5	18.58	186.5	20.98	192.1	21.43	199.6	21.95	205.1	22.40
		355.5	145.4	13.47	157.5	15.70	171.5	18.29	186.5	20.64	192.1	21.09	199.6	21.61	205.1	22.05
		711.0	145.4	12.42	157.5	14.72	171.5	17.10	186.5	19.30	192.1	19.75	199.6	20.27	205.1	20.64
		888.8	145.4	12.06	157.5	14.36	171.5	16.79	186.5	18.87	192.1	19.38	199.6	19.90	205.1	20.06
		1066.5	145.4	11.88	157.5	14.18	171.5	16.64	186.5	18.66	192.1	19.19	199.6	19.71	205.1	19.76
	20	284.4	145.4	16.98	157.5	19.71	171.5	22.95	186.5	25.88	192.1	26.48	199.6	27.16	205.1	27.59
		355.5	145.4	16.64	157.5	19.39	171.5	22.58	186.5	25.45	192.1	26.05	199.6	26.71	205.1	27.16
		711.0	145.4	15.32	157.5	18.13	171.5	21.09	186.5	23.76	192.1	24.35	199.6	24.94	205.1	25.45
		888.8	145.4	14.88	157.5	17.76	171.5	20.71	186.5	23.31	192.1	23.90	199.6	24.49	205.1	24.79
		1066.5	145.4	14.65	157.5	17.57	171.5	20.52	186.5	23.08	192.1	23.67	199.6	24.27	205.1	24.45
	25	284.4	145.4	20.68	157.5	24.06	171.5	27.98	186.5	31.52	192.1	32.27	199.6	33.08	205.1	33.68
		355.5	145.4	20.27	157.5	23.67	171.5	27.53	186.5	31.01	192.1	31.74	199.6	32.56	205.1	33.14
		711.0	145.4	18.65	157.5	22.12	171.5	25.75	186.5	29.01	192.1	29.68	199.6	30.48	205.1	31.00
		888.8	145.4	18.13	157.5	21.61	171.5	25.24	186.5	28.42	192.1	29.15	199.6	29.90	205.1	30.19
		1066.5	145.4	17.87	157.5	21.35	171.5	24.97	186.5	28.13	192.1	28.89	199.6	29.60	205.1	29.78
	30	284.4	145.4	25.44	157.5	29.57	171.5	34.44	186.5	38.81	192.1	39.70	199.6	40.69	205.1	41.44
		355.5	145.4	24.93	157.5	29.09	171.5	33.89	186.5	38.18	192.1	39.07	199.6	40.03	205.1	40.77
		711.0	145.4	22.94	157.5	27.16	171.5	31.68	186.5	35.66	192.1	36.55	199.6	37.44	205.1	38.12
		888.8	145.4	22.28	157.5	26.63	171.5	31.01	186.5	35.00	192.1	35.82	199.6	36.78	205.1	37.14
		1066.5	145.4	21.95	157.5	26.37	171.5	30.68	186.5	34.67	192.1	35.45	199.6	36.44	205.1	36.65
	35	284.4	141.5	27.49	153.2	31.89	166.8	37.15	181.3	41.82	186.7	42.80	194.0	43.84	199.4	44.66
		355.5	141.5	26.93	153.2	31.37	166.8	36.55	181.3	41.15	186.7	42.11	194.0	43.15	199.4	43.95
		711.0	141.5	24.72	153.2	29.31	166.8	34.19	181.3	38.48	186.7	39.38	194.0	40.40	199.4	41.15
		888.8	141.5	24.05	153.2	28.71	166.8	33.45	181.3	37.74	186.7	38.69	194.0	39.66	199.4	40.04
		1066.5	141.5	23.72	153.2	28.42	166.8	33.09	181.3	37.36	186.7	38.35	194.0	39.29	199.4	39.49
	40	284.4	137.4	31.56	148.8	36.63	162.0	42.64	176.1	48.07	181.5	49.19	188.4	50.38	193.8	51.28
		355.5	137.4	30.92	148.8	36.04	162.0	41.97	176.1	47.28	181.5	48.40	188.4	49.58	193.8	50.47
		711.0	137.4	28.42	148.8	33.68	162.0	39.29	176.1	44.19	181.5	45.28	188.4	46.40	193.8	47.28
		888.8	137.4	27.61	148.8	33.00	162.0	38.48	176.1	43.36	181.5	44.40	188.4	45.58	193.8	46.02
		1066.5	137.4	27.20	148.8	32.65	162.0	38.07	176.1	42.94	181.5	43.96	188.4	45.16	193.8	45.39

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	284.4	133.3	35.63	144.5	41.37	157.3	48.14	170.9	54.31	176.3	55.57	182.8	56.92	188.1	57.89
		355.5	133.3	34.92	144.5	40.70	157.3	47.38	170.9	53.42	176.3	54.68	182.8	56.01	188.1	56.99
		711.0	133.3	32.12	144.5	38.05	157.3	44.39	170.9	49.89	176.3	51.19	182.8	52.40	188.1	53.42
		888.8	133.3	31.17	144.5	37.28	157.3	43.50	170.9	48.98	176.3	50.11	182.8	51.49	188.1	52.01
		1066.5	133.3	30.68	144.5	36.89	157.3	43.06	170.9	48.52	176.3	49.57	182.8	51.03	188.1	51.29
80	10	284.4	129.2	8.59	140.0	9.82	152.5	11.42	165.7	13.03	170.7	13.23	177.4	13.62	182.3	13.74
		355.5	129.2	8.39	140.0	9.69	152.5	11.26	165.7	12.80	170.7	13.03	177.4	13.38	182.3	13.53
		711.0	129.2	7.63	140.0	9.18	152.5	10.61	165.7	11.89	170.7	12.24	177.4	12.45	182.3	12.68
		888.8	129.2	7.54	140.0	8.89	152.5	10.40	165.7	11.69	170.7	11.90	177.4	12.25	182.3	12.38
		1066.5	129.2	7.50	140.0	8.75	152.5	10.30	165.7	11.58	170.7	11.73	177.4	12.16	182.3	12.23
	15	284.4	129.2	11.56	140.0	13.38	152.5	15.57	165.7	17.61	170.7	17.97	177.4	18.43	182.3	18.73
		355.5	129.2	11.32	140.0	13.17	152.5	15.32	165.7	17.31	170.7	17.69	177.4	18.13	182.3	18.43
		711.0	129.2	10.37	140.0	12.35	152.5	14.36	165.7	16.14	170.7	16.57	177.4	16.95	182.3	17.25
		888.8	129.2	10.14	140.0	12.06	152.5	14.06	165.7	15.84	170.7	16.21	177.4	16.65	182.3	16.80
		1066.5	129.2	10.02	140.0	11.91	152.5	13.92	165.7	15.69	170.7	16.04	177.4	16.51	182.3	16.57
	20	284.4	129.2	14.20	140.0	16.55	152.5	19.26	165.7	21.67	170.7	22.19	177.4	22.71	182.3	23.16
		355.5	129.2	13.92	140.0	16.27	152.5	18.94	165.7	21.32	170.7	21.83	177.4	22.35	182.3	22.79
		711.0	129.2	12.80	140.0	15.18	152.5	17.69	165.7	19.91	170.7	20.42	177.4	20.94	182.3	21.32
		888.8	129.2	12.44	140.0	14.88	152.5	17.32	165.7	19.54	170.7	20.05	177.4	20.56	182.3	20.73
		1066.5	129.2	12.26	140.0	14.72	152.5	17.13	165.7	19.35	170.7	19.86	177.4	20.37	182.3	20.43
	25	284.4	129.2	17.37	140.0	20.16	152.5	23.46	165.7	26.39	170.7	27.08	177.4	27.75	182.3	28.21
		355.5	129.2	17.02	140.0	19.83	152.5	23.09	165.7	25.98	170.7	26.63	177.4	27.30	182.3	27.76
		711.0	129.2	15.62	140.0	18.51	152.5	21.60	165.7	24.34	170.7	24.87	177.4	25.53	182.3	25.98
		888.8	129.2	15.18	140.0	18.13	152.5	21.16	165.7	23.83	170.7	24.42	177.4	25.08	182.3	25.30
		1066.5	129.2	14.96	140.0	17.94	152.5	20.94	165.7	23.57	170.7	24.20	177.4	24.85	182.3	24.97
	30	284.4	129.2	21.29	140.0	24.75	152.5	28.88	165.7	32.49	170.7	33.24	177.4	34.06	182.3	34.74
		355.5	129.2	20.88	140.0	24.35	152.5	28.41	165.7	31.97	170.7	32.71	177.4	33.52	182.3	34.18
		711.0	129.2	19.23	140.0	22.79	152.5	26.56	165.7	29.90	170.7	30.63	177.4	31.38	182.3	31.97
		888.8	129.2	18.72	140.0	22.28	152.5	25.98	165.7	29.31	170.7	30.04	177.4	30.79	182.3	31.15
		1066.5	129.2	18.46	140.0	22.03	152.5	25.68	165.7	29.02	170.7	29.75	177.4	30.49	182.3	30.74
	35	284.4	129.2	23.70	140.0	27.53	152.5	32.04	165.7	36.11	170.7	37.01	177.4	37.91	182.3	38.58
		355.5	129.2	23.23	140.0	27.08	152.5	31.53	165.7	35.53	170.7	36.41	177.4	37.30	182.3	37.96
		711.0	129.2	21.38	140.0	25.31	152.5	29.53	165.7	33.23	170.7	34.03	177.4	34.86	182.3	35.52
		888.8	129.2	20.79	140.0	24.79	152.5	28.93	165.7	32.57	170.7	33.38	177.4	34.26	182.3	34.56
		1066.5	129.2	20.49	140.0	24.52	152.5	28.63	165.7	32.23	170.7	33.05	177.4	33.95	182.3	34.08
	40	284.4	129.2	28.08	140.0	32.65	152.5	37.99	165.7	42.80	170.7	43.78	177.4	44.89	182.3	45.65
		355.5	129.2	27.52	140.0	32.11	152.5	37.37	165.7	42.10	170.7	43.07	177.4	44.17	182.3	44.92
		711.0	129.2	25.30	140.0	29.98	152.5	34.93	165.7	39.37	170.7	40.26	177.4	41.29	182.3	42.04
		888.8	129.2	24.57	140.0	29.37	152.5	34.20	165.7	38.56	170.7	39.51	177.4	40.55	182.3	40.93
		1066.5	129.2	24.20	140.0	29.07	152.5	33.83	165.7	38.15	170.7	39.14	177.4	40.18	182.3	40.38
	45	284.4	129.2	32.47	140.0	37.76	152.5	43.95	165.7	49.49	170.7	50.56	177.4	51.88	182.3	52.72
		355.5	129.2	31.81	140.0	37.13	152.5	43.22	165.7	48.68	170.7	49.74	177.4	51.04	182.3	51.88
		711.0	129.2	29.22	140.0	34.64	152.5	40.34	165.7	45.51	170.7	46.48	177.4	47.72	182.3	48.55
		888.8	129.2	28.35	140.0	33.95	152.5	39.46	165.7	44.55	170.7	45.65	177.4	46.84	182.3	47.30
		1066.5	129.2	27.91	140.0	33.61	152.5	39.03	165.7	44.07	170.7	45.24	177.4	46.40	182.3	46.67
70	10	284.4	113.2	7.02	122.5	8.19	133.5	9.48	145.0	10.69	149.3	11.06	155.2	11.34	159.5	11.42
		355.5	113.2	6.90	122.5	8.05	133.5	9.34	145.0	10.54	149.3	10.88	155.2	11.17	159.5	11.26
		711.0	113.2	6.40	122.5	7.49	133.5	8.75	145.0	9.95	149.3	10.18	155.2	10.46	159.5	10.61
		888.8	113.2	6.25	122.5	7.34	133.5	8.61	145.0	9.69	149.3	9.90	155.2	10.18	159.5	10.32
		1066.5	113.2	6.18	122.5	7.26	133.5	8.54	145.0	9.55	149.3	9.76	155.2	10.04	159.5	10.18
	15	284.4	113.2	9.58	122.5	11.14	133.5	12.94	145.0	14.58	149.3	14.96	155.2	15.33	159.5	15.57
		355.5	113.2	9.39	122.5	10.96	133.5	12.73	145.0	14.36	149.3	14.72	155.2	15.09	159.5	15.32
		711.0	113.2	8.65	122.5	10.22	133.5	11.91	145.0	13.46	149.3	13.76	155.2	14.13	159.5	14.36
		888.8	113.2	8.43	122.5	10.00	133.5	11.69	145.0	13.17	149.3	13.48	155.2	13.84	159.5	13.99
		1066.5	113.2	8.31	122.5	9.88	133.5	11.58	145.0	13.03	149.3	13.33	155.2	13.69	159.5	13.80
	20	284.4	113.2	11.85	122.5	13.76	133.5	16.02	145.0	18.05	149.3	18.43	155.2	18.88	159.5	19.26
		355.5	113.2	11.61	122.5	13.54	133.5	15.76	145.0	17.75	149.3	18.13	155.2	18.58	159.5	18.94
		711.0	113.2	10.65	122.5	12.65	133.5	14.73	145.0	16.58	149.3	16.95	155.2	17.40	159.5	17.69
		888.8	113.2	10.36	122.5	12.36	133.5	14.43	145.0	16.27	149.3	16.65	155.2	17.09	159.5	17.24
		1066.5	113.2	10.21	122.5	12.22	133.5	14.27	145.0	16.12	149.3	16.51	155.2	16.94	159.5	17.01
	25	284.4	113.2	14.41	122.5	16.78	133.5	19.48	145.0	21.96	149.3	22.48	155.2	23.01	159.5	23.46
		355.5	113.2	14.13	122.5	16.50	133.5	19.17	145.0	21.61	149.3	22.13	155.2	22.65	159.5	23.09
		711.0	113.2	13.02	122.5	15.39	133.5	17.97	145.0	20.20	149.3	20.71	155.2	21.24	159.5	21.61
		888.8	113.2	12.65	122.5	15.09	133.5	17.60	145.0	19.83	149.3	20.28	155.2	20.80	159.5	21.02
		1066.5	113.2	12.46	122.5	14.94	133.5	17.42	145.0	19.64	149.3	20.06	155.2	20.58	159.5	20.73

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	284.4	113.2	17.74	122.5	20.61	133.5	23.99	145.0	27.01	149.3	27.68	155.2	28.34	159.5	28.88
		355.5	113.2	17.39	122.5	20.27	133.5	23.60	145.0	26.57	149.3	27.23	155.2	27.89	159.5	28.41
		711.0	113.2	15.98	122.5	18.94	133.5	22.06	145.0	24.86	149.3	25.46	155.2	26.12	159.5	26.56
		888.8	113.2	15.54	122.5	18.57	133.5	21.61	145.0	24.35	149.3	25.00	155.2	25.61	159.5	25.90
		1066.5	113.2	15.32	122.5	18.38	133.5	21.38	145.0	24.10	149.3	24.77	155.2	25.35	159.5	25.57
	35	284.4	113.2	19.71	122.5	22.86	133.5	26.71	145.0	30.01	149.3	30.76	155.2	31.51	159.5	32.04
		355.5	113.2	19.31	122.5	22.50	133.5	26.26	145.0	29.53	149.3	30.26	155.2	31.00	159.5	31.53
		711.0	113.2	17.76	122.5	21.08	133.5	24.50	145.0	27.61	149.3	28.27	155.2	29.01	159.5	29.53
		888.8	113.2	17.25	122.5	20.58	133.5	24.04	145.0	27.08	149.3	27.75	155.2	28.48	159.5	28.78
		1066.5	113.2	16.99	122.5	20.33	133.5	23.81	145.0	26.82	149.3	27.48	155.2	28.22	159.5	28.41
	40	284.4	113.2	23.34	122.5	27.07	133.5	31.59	145.0	35.58	149.3	36.40	155.2	37.30	159.5	37.96
		355.5	113.2	22.87	122.5	26.64	133.5	31.08	145.0	35.00	149.3	35.82	155.2	36.70	159.5	37.36
		711.0	113.2	21.02	122.5	24.94	133.5	29.08	145.0	32.71	149.3	33.51	155.2	34.33	159.5	35.00
		888.8	113.2	20.43	122.5	24.41	133.5	28.42	145.0	32.05	149.3	32.86	155.2	33.74	159.5	34.04
		1066.5	113.2	20.13	122.5	24.15	133.5	28.09	145.0	31.71	149.3	32.53	155.2	33.44	159.5	33.56
	45	284.4	113.2	26.97	122.5	31.29	133.5	36.46	145.0	41.14	149.3	42.04	155.2	43.09	159.5	43.89
		355.5	113.2	26.43	122.5	30.79	133.5	35.90	145.0	40.47	149.3	41.38	155.2	42.40	159.5	43.20
		711.0	113.2	24.29	122.5	28.80	133.5	33.65	145.0	37.81	149.3	38.75	155.2	39.66	159.5	40.47
		888.8	113.2	23.60	122.5	28.25	133.5	32.80	145.0	37.01	149.3	37.97	155.2	39.00	159.5	39.30
		1066.5	113.2	23.26	122.5	27.97	133.5	32.37	145.0	36.61	149.3	37.57	155.2	38.66	159.5	38.71
60	10	284.4	97.0	5.59	105.0	6.50	114.3	7.51	124.2	8.61	128.1	8.84	133.1	8.95	136.8	9.11
		355.5	97.0	5.49	105.0	6.40	114.3	7.42	124.2	8.46	128.1	8.68	133.1	8.83	136.8	8.98
		711.0	97.0	5.05	105.0	5.98	114.3	7.04	124.2	7.89	128.1	8.05	133.1	8.33	136.8	8.46
		888.8	97.0	4.85	105.0	5.92	114.3	6.91	124.2	7.76	128.1	7.91	133.1	8.11	136.8	8.26
		1066.5	97.0	4.75	105.0	5.89	114.3	6.84	124.2	7.69	128.1	7.84	133.1	8.00	136.8	8.15
	15	284.4	97.0	7.63	105.0	8.88	114.3	10.30	124.2	11.65	128.1	11.96	133.1	12.18	136.8	12.41
		355.5	97.0	7.48	105.0	8.73	114.3	10.14	124.2	11.46	128.1	11.76	133.1	11.99	136.8	12.22
		711.0	97.0	6.88	105.0	8.14	114.3	9.54	124.2	10.72	128.1	10.96	133.1	11.25	136.8	11.46
		888.8	97.0	6.67	105.0	7.99	114.3	9.32	124.2	10.51	128.1	10.74	133.1	11.02	136.8	11.17
		1066.5	97.0	6.56	105.0	7.92	114.3	9.22	124.2	10.40	128.1	10.63	133.1	10.91	136.8	11.02
	20	284.4	97.0	9.43	105.0	10.99	114.3	12.77	124.2	14.36	128.1	14.74	133.1	15.05	136.8	15.33
		355.5	97.0	9.25	105.0	10.80	114.3	12.57	124.2	14.13	128.1	14.50	133.1	14.81	136.8	15.09
		711.0	97.0	8.50	105.0	10.07	114.3	11.76	124.2	13.24	128.1	13.54	133.1	13.85	136.8	14.13
		888.8	97.0	8.28	105.0	9.84	114.3	11.47	124.2	12.95	128.1	13.25	133.1	13.61	136.8	13.76
		1066.5	97.0	8.17	105.0	9.73	114.3	11.33	124.2	12.80	128.1	13.11	133.1	13.50	136.8	13.57
	25	284.4	97.0	11.47	105.0	13.39	114.3	15.57	124.2	17.52	128.1	17.90	133.1	18.34	136.8	18.72
		355.5	97.0	11.25	105.0	13.17	114.3	15.32	124.2	17.24	128.1	17.62	133.1	18.06	136.8	18.42
		711.0	97.0	10.36	105.0	12.29	114.3	14.29	124.2	16.13	128.1	16.50	133.1	16.94	136.8	17.24
		888.8	97.0	10.07	105.0	11.99	114.3	13.99	124.2	15.76	128.1	16.20	133.1	16.58	136.8	16.79
		1066.5	97.0	9.92	105.0	11.84	114.3	13.85	124.2	15.58	128.1	16.06	133.1	16.41	136.8	16.57
	30	284.4	97.0	14.12	105.0	16.40	114.3	19.10	124.2	21.51	128.1	22.04	133.1	22.56	136.8	23.02
		355.5	97.0	13.84	105.0	16.14	114.3	18.80	124.2	21.17	128.1	21.69	133.1	22.21	136.8	22.65
		711.0	97.0	12.73	105.0	15.10	114.3	17.61	124.2	19.83	128.1	20.28	133.1	20.80	136.8	21.17
		888.8	97.0	12.36	105.0	14.80	114.3	17.24	124.2	19.46	128.1	19.91	133.1	20.43	136.8	20.64
		1066.5	97.0	12.18	105.0	14.65	114.3	17.05	124.2	19.27	128.1	19.72	133.1	20.24	136.8	20.38
	35	284.4	97.0	15.71	105.0	18.27	114.3	21.29	124.2	23.91	128.1	24.51	133.1	25.13	136.8	25.57
		355.5	97.0	15.39	105.0	17.97	114.3	20.94	124.2	23.53	128.1	24.12	133.1	24.72	136.8	25.16
		711.0	97.0	14.14	105.0	16.79	114.3	19.54	124.2	22.05	128.1	22.57	133.1	23.09	136.8	23.53
		888.8	97.0	13.76	105.0	16.43	114.3	19.17	124.2	21.60	128.1	22.13	133.1	22.71	136.8	22.94
		1066.5	97.0	13.57	105.0	16.25	114.3	18.98	124.2	21.37	128.1	21.91	133.1	22.52	136.8	22.64
	40	284.4	97.0	18.57	105.0	21.59	114.3	25.20	124.2	28.36	128.1	29.03	133.1	29.70	136.8	30.31
		355.5	97.0	18.21	105.0	21.25	114.3	24.79	124.2	27.89	128.1	28.56	133.1	29.23	136.8	29.82
		711.0	97.0	16.79	105.0	19.90	114.3	23.16	124.2	26.06	128.1	26.71	133.1	27.38	136.8	27.89
		888.8	97.0	16.28	105.0	19.46	114.3	22.71	124.2	25.54	128.1	26.19	133.1	26.87	136.8	27.15
		1066.5	97.0	16.03	105.0	19.24	114.3	22.49	124.2	25.28	128.1	25.93	133.1	26.61	136.8	26.78
	45	284.4	97.0	21.42	105.0	24.90	114.3	29.10	124.2	32.81	128.1	33.54	133.1	34.28	136.8	35.04
		355.5	97.0	21.02	105.0	24.52	114.3	28.64	124.2	32.25	128.1	33.00	133.1	33.75	136.8	34.48
		711.0	97.0	19.44	105.0	23.01	114.3	26.79	124.2	30.06	128.1	30.86	133.1	31.66	136.8	32.25
		888.8	97.0	18.80	105.0	22.49	114.3	26.26	124.2	29.47	128.1	30.26	133.1	31.02	136.8	31.36
		1066.5	97.0	18.48	105.0	22.23	114.3	26.00	124.2	29.18	128.1	29.96	133.1	30.70	136.8	30.92
50	10	284.4	80.8	4.17	87.5	4.83	95.3	5.78	103.7	6.35	106.7	6.49	110.8	6.74	113.9	6.81
		355.5	80.8	4.07	87.5	4.76	95.3	5.68	103.7	6.26	106.7	6.42	110.8	6.61	113.9	6.70
		711.0	80.8	3.71	87.5	4.49	95.3	5.27	103.7	5.92	106.7	6.12	110.8	6.12	113.9	6.26
		888.8	80.8	3.63	87.5	4.49	95.3	5.13	103.7	5.76	106.7	5.84	110.8	6.05	113.9	6.06
		1066.5	80.8	3.59	87.5	4.49	95.3	5.06	103.7	5.68	106.7	5.70	110.8	6.02	113.9	5.97

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	284.4	80.8	5.67	87.5	6.62	95.3	7.74	103.7	8.64	106.7	8.87	110.8	9.10	113.9	9.26
		355.5	80.8	5.56	87.5	6.51	95.3	7.61	103.7	8.51	106.7	8.74	110.8	8.95	113.9	9.11
		711.0	80.8	5.11	87.5	6.07	95.3	7.11	103.7	7.99	106.7	8.21	110.8	8.37	113.9	8.51
		888.8	80.8	4.96	87.5	5.99	95.3	6.96	103.7	7.84	106.7	7.99	110.8	8.22	113.9	8.30
		1066.5	80.8	4.89	87.5	5.95	95.3	6.88	103.7	7.76	106.7	7.89	110.8	8.15	113.9	8.19
	20	284.4	80.8	7.01	87.5	8.21	95.3	9.48	103.7	10.69	106.7	10.99	110.8	11.20	113.9	11.43
		355.5	80.8	6.88	87.5	8.06	95.3	9.33	103.7	10.52	106.7	10.80	110.8	11.03	113.9	11.25
		711.0	80.8	6.35	87.5	7.48	95.3	8.74	103.7	9.84	106.7	10.07	110.8	10.36	113.9	10.52
		888.8	80.8	6.15	87.5	7.33	95.3	8.58	103.7	9.69	106.7	9.91	110.8	10.14	113.9	10.28
		1066.5	80.8	6.04	87.5	7.26	95.3	8.50	103.7	9.61	106.7	9.83	110.8	10.04	113.9	10.16
	25	284.4	80.8	8.53	87.5	9.93	95.3	11.58	103.7	13.09	106.7	13.39	110.8	13.69	113.9	13.90
		355.5	80.8	8.37	87.5	9.77	95.3	11.40	103.7	12.87	106.7	13.17	110.8	13.47	113.9	13.69
		711.0	80.8	7.70	87.5	9.17	95.3	10.66	103.7	11.99	106.7	12.29	110.8	12.59	113.9	12.87
		888.8	80.8	7.48	87.5	8.95	95.3	10.44	103.7	11.77	106.7	12.06	110.8	12.36	113.9	12.51
		1066.5	80.8	7.36	87.5	8.84	95.3	10.32	103.7	11.65	106.7	11.95	110.8	12.25	113.9	12.33
	30	284.4	80.8	10.57	87.5	12.27	95.3	14.29	103.7	16.10	106.7	16.48	110.8	16.84	113.9	17.15
		355.5	80.8	10.35	87.5	12.06	95.3	14.05	103.7	15.83	106.7	16.20	110.8	16.58	113.9	16.87
		711.0	80.8	9.48	87.5	11.25	95.3	13.11	103.7	14.80	106.7	15.10	110.8	15.54	113.9	15.76
		888.8	80.8	9.25	87.5	11.02	95.3	12.87	103.7	14.50	106.7	14.87	110.8	15.24	113.9	15.39
		1066.5	80.8	9.13	87.5	10.91	95.3	12.75	103.7	14.36	106.7	14.75	110.8	15.09	113.9	15.21
	35	284.4	80.8	11.70	87.5	13.61	95.3	15.87	103.7	17.82	106.7	18.28	110.8	18.72	113.9	19.02
		355.5	80.8	11.47	87.5	13.39	95.3	15.61	103.7	17.54	106.7	17.98	110.8	18.42	113.9	18.73
		711.0	80.8	10.58	87.5	12.51	95.3	14.58	103.7	16.43	106.7	16.80	110.8	17.24	113.9	17.54
		888.8	80.8	10.28	87.5	12.28	95.3	14.28	103.7	16.13	106.7	16.50	110.8	16.94	113.9	17.09
		1066.5	80.8	10.13	87.5	12.16	95.3	14.13	103.7	15.97	106.7	16.35	110.8	16.79	113.9	16.87
	40	284.4	80.8	13.90	87.5	16.10	95.3	18.81	103.7	21.14	106.7	21.66	110.8	22.18	113.9	22.56
		355.5	80.8	13.61	87.5	15.84	95.3	18.49	103.7	20.80	106.7	21.31	110.8	21.82	113.9	22.21
		711.0	80.8	12.50	87.5	14.81	95.3	17.25	103.7	19.46	106.7	19.91	110.8	20.43	113.9	20.79
		888.8	80.8	12.14	87.5	14.50	95.3	16.94	103.7	19.09	106.7	19.54	110.8	20.05	113.9	20.21
		1066.5	80.8	11.96	87.5	14.35	95.3	16.78	103.7	18.90	106.7	19.35	110.8	19.86	113.9	19.92
	45	284.4	80.8	16.09	87.5	18.60	95.3	21.74	103.7	24.45	106.7	25.04	110.8	25.63	113.9	26.10
		355.5	80.8	15.76	87.5	18.29	95.3	21.38	103.7	24.05	106.7	24.63	110.8	25.23	113.9	25.68
		711.0	80.8	14.43	87.5	17.10	95.3	19.92	103.7	22.49	106.7	23.02	110.8	23.61	113.9	24.03
		888.8	80.8	13.99	87.5	16.73	95.3	19.60	103.7	22.05	106.7	22.58	110.8	23.15	113.9	23.33
		1066.5	80.8	13.78	87.5	16.54	95.3	19.44	103.7	21.83	106.7	22.36	110.8	22.92	113.9	22.97

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(76HP)

ARWN760LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	292.0	197.8	14.02	214.3	16.45	233.2	19.15	253.4	21.47	261.2	21.95	271.4	22.68	279.0	22.99
		365.0	197.8	13.77	214.3	16.15	233.2	18.82	253.4	21.12	261.2	21.63	271.4	22.29	279.0	22.64
		730.0	197.8	12.77	214.3	14.99	233.2	17.51	253.4	19.75	261.2	20.34	271.4	20.76	279.0	21.27
		912.5	197.8	12.40	214.3	14.78	233.2	17.23	253.4	19.31	261.2	19.90	271.4	20.41	279.0	20.68
		1095.0	197.8	12.22	214.3	14.68	233.2	17.09	253.4	19.09	261.2	19.68	271.4	20.23	279.0	20.39
	15	292.0	194.6	18.49	210.8	21.55	229.4	25.11	249.4	28.21	257.0	28.88	266.9	29.64	274.5	30.15
		365.0	194.6	18.13	210.8	21.19	229.4	24.69	249.4	27.75	257.0	28.43	266.9	29.17	274.5	29.69
		730.0	194.6	16.71	210.8	19.77	229.4	23.05	249.4	25.96	257.0	26.63	266.9	27.31	274.5	27.90
		912.5	194.6	16.26	210.8	19.40	229.4	22.61	249.4	25.44	257.0	26.11	266.9	26.78	274.5	27.23
		1095.0	194.6	16.04	210.8	19.21	229.4	22.38	249.4	25.18	257.0	25.85	266.9	26.52	274.5	26.89
	20	292.0	191.7	22.46	207.7	26.08	226.1	30.41	245.9	34.19	253.2	35.03	262.9	35.84	270.5	36.51
		365.0	191.7	22.01	207.7	25.66	226.1	29.92	245.9	33.65	253.2	34.47	262.9	35.29	270.5	35.96
		730.0	191.7	20.22	207.7	24.02	226.1	27.98	245.9	31.48	253.2	32.23	262.9	33.13	270.5	33.80
		912.5	191.7	19.70	207.7	23.50	226.1	27.38	245.9	30.89	253.2	31.63	262.9	32.45	270.5	33.05
		1095.0	191.7	19.43	207.7	23.24	226.1	27.08	245.9	30.59	253.2	31.33	262.9	32.12	270.5	32.67
	25	292.0	191.7	27.70	207.7	32.14	226.1	37.46	245.9	42.25	253.2	43.22	262.9	44.25	270.5	45.00
		365.0	191.7	27.16	207.7	31.63	226.1	36.86	245.9	41.56	253.2	42.53	262.9	43.57	270.5	44.32
		730.0	191.7	24.99	207.7	29.62	226.1	34.47	245.9	38.80	253.2	39.77	262.9	40.88	270.5	41.63
		912.5	191.7	24.25	207.7	28.95	226.1	33.80	245.9	38.05	253.2	39.02	262.9	40.06	270.5	40.74
		1095.0	191.7	23.87	207.7	28.61	226.1	33.46	245.9	37.67	253.2	38.64	262.9	39.65	270.5	40.28
	30	292.0	191.7	33.28	207.7	38.60	226.1	44.96	245.9	50.67	253.2	51.86	262.9	53.13	270.5	54.01
		365.0	191.7	32.60	207.7	37.98	226.1	44.24	245.9	49.84	253.2	51.03	262.9	52.30	270.5	53.19
		730.0	191.7	29.92	207.7	35.51	226.1	41.41	245.9	46.55	253.2	47.75	262.9	49.02	270.5	49.99
		912.5	191.7	29.10	207.7	34.77	226.1	40.51	245.9	45.66	253.2	46.85	262.9	48.05	270.5	48.87
		1095.0	191.7	28.68	207.7	34.39	226.1	40.06	245.9	45.21	253.2	46.40	262.9	47.56	270.5	48.30
	35	292.0	172.6	33.56	186.8	39.06	203.5	45.50	221.2	51.17	227.9	52.48	236.8	53.74	243.4	54.60
		365.0	172.6	32.90	186.8	38.42	203.5	44.76	221.2	50.36	227.9	51.63	236.8	52.90	243.4	53.79
		730.0	172.6	30.29	186.8	35.89	203.5	41.85	221.2	47.15	227.9	48.27	236.8	49.54	243.4	50.58
		912.5	172.6	29.47	186.8	35.14	203.5	40.96	221.2	46.18	227.9	47.38	236.8	48.57	243.4	49.39
		1095.0	172.6	29.06	186.8	34.76	203.5	40.51	221.2	45.69	227.9	46.92	236.8	48.08	243.4	48.79
	40	292.0	153.3	35.48	166.2	41.17	180.8	48.00	196.6	53.99	202.6	55.26	210.4	56.60	216.4	57.64
		365.0	153.3	34.77	166.2	40.51	180.8	47.23	196.6	53.12	202.6	54.39	210.4	55.73	216.4	56.78
		730.0	153.3	31.93	166.2	37.90	180.8	44.17	196.6	49.69	202.6	50.96	210.4	52.30	216.4	53.34
		912.5	153.3	31.04	166.2	37.08	180.8	43.20	196.6	48.72	202.6	49.99	210.4	51.26	216.4	52.15
		1095.0	153.3	30.59	166.2	36.67	180.8	42.71	196.6	48.23	202.6	49.50	210.4	50.73	216.4	51.55
	45	292.0	134.0	37.40	145.6	43.28	158.2	50.50	172.0	56.80	177.3	58.03	184.0	59.45	189.3	60.68
		365.0	134.0	36.63	145.6	42.60	158.2	49.69	172.0	55.88	177.3	57.15	184.0	58.57	189.3	59.76
		730.0	134.0	33.57	145.6	39.91	158.2	46.48	172.0	52.23	177.3	53.64	184.0	55.06	189.3	56.10
		912.5	134.0	32.60	145.6	39.02	158.2	45.44	172.0	51.26	177.3	52.60	184.0	53.94	189.3	54.91
		1095.0	134.0	32.11	145.6	38.57	158.2	44.91	172.0	50.77	177.3	52.07	184.0	53.38	189.3	54.31
120	10	292.0	187.3	13.38	202.6	15.60	220.8	18.06	240.0	20.34	247.1	20.97	256.8	21.47	263.9	21.71
		365.0	187.3	13.10	202.6	15.34	220.8	17.78	240.0	20.01	247.1	20.60	256.8	21.10	263.9	21.38
		730.0	187.3	12.02	202.6	14.33	220.8	16.71	240.0	18.72	247.1	19.15	256.8	19.65	263.9	20.09
		912.5	187.3	11.66	202.6	13.89	220.8	16.35	240.0	18.28	247.1	18.87	256.8	19.30	263.9	19.66
		1095.0	187.3	11.47	202.6	13.66	220.8	16.17	240.0	18.06	247.1	18.73	256.8	19.12	263.9	19.44
	15	292.0	185.1	17.74	200.4	20.63	218.3	23.95	237.2	26.99	244.3	27.68	253.9	28.36	261.0	28.78
		365.0	185.1	17.38	200.4	20.29	218.3	23.58	237.2	26.56	244.3	27.23	253.9	27.90	261.0	28.35
		730.0	185.1	15.97	200.4	18.95	218.3	22.08	237.2	24.84	244.3	25.44	253.9	26.11	261.0	26.63
		912.5	185.1	15.52	200.4	18.50	218.3	21.64	237.2	24.32	244.3	24.99	253.9	25.59	261.0	26.04
		1095.0	185.1	15.29	200.4	18.28	218.3	21.41	237.2	24.06	244.3	24.77	253.9	25.33	261.0	25.74
	20	292.0	183.1	21.62	198.4	25.11	216.1	29.19	234.8	32.91	241.9	33.65	251.2	34.47	258.3	35.07
		365.0	183.1	21.19	198.4	24.69	216.1	28.72	234.8	32.38	241.9	33.13	251.2	33.95	258.3	34.54
		730.0	183.1	19.47	198.4	23.05	216.1	26.86	234.8	30.29	241.9	31.04	251.2	31.86	258.3	32.45
		912.5	183.1	18.95	198.4	22.61	216.1	26.34	234.8	29.69	241.9	30.44	251.2	31.19	258.3	31.71
		1095.0	183.1	18.69	198.4	22.38	216.1	26.07	234.8	29.39	241.9	30.14	251.2	30.85	258.3	31.33
	25	292.0	183.1	26.57	198.4	30.87	216.1	35.95	234.8	40.41	241.9	41.40	251.2	42.46	258.3	43.19
		365.0	183.1	26.04	198.4	30.37	216.1	35.36	234.8	39.77	241.9	40.74	251.2	41.78	258.3	42.53
		730.0	183.1	23.95	198.4	28.35	216.1	33.05	234.8	37.23	241.9	38.12	251.2	39.09	258.3	39.91
		912.5	183.1	23.28	198.4	27.75	216.1	32.38	234.8	36.48	241.9	37.38	251.2	38.35	258.3	38.94
		1095.0	183.1	22.94	198.4	27.45	216.1	32.04	234.8	36.11	241.9	37.00	251.2	37.97	258.3	38.46
	30	292.0	183.1	32.03	198.4	37.31	216.1	43.47	234.8	48.91	241.9	50.03	251.2	51.32	258.3	52.21
		365.0	183.1	31.41	198.4	36.71	216.1	42.75	234.8	48.12	241.9	49.24	251.2	50.51	258.3	51.40
		730.0	183.1	28.95	198.4	34.32	216.1	39.91	234.8	44.99	241.9	46.11	251.2	47.30	258.3	48.20
		912.5	183.1	28.13	198.4	33.57	216.1	39.09	234.8	44.09	241.9	45.21	251.2	46.41	258.3	47.08
		1095.0	183.1	27.71	198.4	33.20	216.1	38.68	234.8	43.64	241.9	44.76	251.2	45.95	258.3	46.51

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	292.0	167.5	32.89	181.5	38.22	197.7	44.51	214.8	50.13	221.2	51.34	229.9	52.51	236.3	53.50
		365.0	167.5	32.23	181.5	37.60	197.7	43.79	214.8	49.32	221.2	50.51	229.9	51.70	236.3	52.67
		730.0	167.5	29.62	181.5	35.14	197.7	40.96	214.8	46.11	221.2	47.23	229.9	48.49	236.3	49.39
		912.5	167.5	28.80	181.5	34.39	197.7	40.14	214.8	45.21	221.2	46.33	229.9	47.52	236.3	48.27
		1095.0	167.5	28.38	181.5	34.02	197.7	39.73	214.8	44.76	221.2	45.88	229.9	47.04	236.3	47.71
	40	292.0	152.0	35.39	164.6	41.10	179.3	47.92	195.0	53.91	200.8	55.20	208.6	56.54	214.4	57.59
		365.0	152.0	34.69	164.6	40.44	179.3	47.15	195.0	53.05	200.8	54.31	208.6	55.66	214.4	56.70
		730.0	152.0	31.93	164.6	37.83	179.3	44.09	195.0	49.61	200.8	50.81	208.6	52.15	214.4	53.19
		912.5	152.0	31.04	164.6	37.01	179.3	43.20	195.0	48.64	200.8	49.91	208.6	51.18	214.4	51.93
		1095.0	152.0	30.59	164.6	36.59	179.3	42.75	195.0	48.16	200.8	49.46	208.6	50.69	214.4	51.29
	45	292.0	136.5	37.89	147.8	43.97	160.9	51.34	175.3	57.70	180.4	59.06	187.3	60.57	192.4	61.67
		365.0	136.5	37.15	147.8	43.27	160.9	50.51	175.3	56.78	180.4	58.12	187.3	59.61	192.4	60.73
		730.0	136.5	34.24	147.8	40.51	160.9	47.23	175.3	53.12	180.4	54.39	187.3	55.81	192.4	57.00
		912.5	136.5	33.27	147.8	39.62	160.9	46.26	175.3	52.08	180.4	53.49	187.3	54.84	192.4	55.58
		1095.0	136.5	32.79	147.8	39.17	160.9	45.77	175.3	51.55	180.4	53.04	187.3	54.35	192.4	54.87
110	10	292.0	176.5	12.62	191.4	14.61	208.3	17.12	226.3	19.21	232.9	19.62	242.3	20.25	248.7	20.53
		365.0	176.5	12.37	191.4	14.37	208.3	16.82	226.3	18.90	232.9	19.33	242.3	19.92	248.7	20.20
		730.0	176.5	11.36	191.4	13.44	208.3	15.67	226.3	17.68	232.9	18.19	242.3	18.62	248.7	18.90
		912.5	176.5	11.07	191.4	13.15	208.3	15.30	226.3	17.40	232.9	17.67	242.3	18.26	248.7	18.47
		1095.0	176.5	10.92	191.4	13.00	208.3	15.12	226.3	17.26	232.9	17.41	242.3	18.08	248.7	18.26
	15	292.0	175.5	16.90	190.2	19.64	207.0	22.91	225.0	25.78	231.7	26.38	240.8	27.07	247.4	27.52
		365.0	175.5	16.56	190.2	19.32	207.0	22.53	225.0	25.37	231.7	25.96	240.8	26.63	247.4	27.08
		730.0	175.5	15.22	190.2	18.05	207.0	21.04	225.0	23.73	231.7	24.32	240.8	24.92	247.4	25.37
		912.5	175.5	14.85	190.2	17.68	207.0	20.59	225.0	23.28	231.7	23.80	240.8	24.47	247.4	24.77
		1095.0	175.5	14.66	190.2	17.49	207.0	20.37	225.0	23.05	231.7	23.54	240.8	24.25	247.4	24.47
	20	292.0	174.6	20.71	189.1	24.12	205.9	28.06	223.9	31.62	230.6	32.38	239.4	33.13	246.3	33.73
		365.0	174.6	20.29	189.1	23.73	205.9	27.60	223.9	31.11	230.6	31.86	239.4	32.60	246.3	33.20
		730.0	174.6	18.65	189.1	22.16	205.9	25.81	223.9	29.10	230.6	29.77	239.4	30.51	246.3	31.11
		912.5	174.6	18.20	189.1	21.71	205.9	25.29	223.9	28.50	230.6	29.25	239.4	29.99	246.3	30.37
		1095.0	174.6	17.98	189.1	21.49	205.9	25.03	223.9	28.20	230.6	28.98	239.4	29.73	246.3	29.99
	25	292.0	174.6	25.33	189.1	29.49	205.9	34.34	223.9	38.67	230.6	39.57	239.4	40.56	246.3	41.30
		365.0	174.6	24.84	189.1	29.02	205.9	33.80	223.9	38.05	230.6	38.94	239.4	39.91	246.3	40.66
		730.0	174.6	22.90	189.1	27.16	205.9	31.63	223.9	35.59	230.6	36.48	239.4	37.38	246.3	38.12
		912.5	174.6	22.23	189.1	26.56	205.9	30.96	223.9	34.92	230.6	35.74	239.4	36.71	246.3	37.15
		1095.0	174.6	21.89	189.1	26.26	205.9	30.62	223.9	34.58	230.6	35.36	239.4	36.37	246.3	36.67
	30	292.0	174.6	30.89	189.1	35.95	205.9	41.86	223.9	47.18	230.6	48.30	239.4	49.42	246.3	50.33
		365.0	174.6	30.29	189.1	35.36	205.9	41.18	223.9	46.41	230.6	47.52	239.4	48.64	246.3	49.54
		730.0	174.6	27.90	189.1	33.05	205.9	38.50	223.9	43.35	230.6	44.47	239.4	45.58	246.3	46.41
		912.5	174.6	27.16	189.1	32.38	205.9	37.75	223.9	42.53	230.6	43.57	239.4	44.69	246.3	45.29
		1095.0	174.6	26.78	189.1	32.04	205.9	37.38	223.9	42.11	230.6	43.12	239.4	44.24	246.3	44.72
	35	292.0	162.7	32.20	176.2	37.38	191.9	43.52	208.6	49.06	214.8	50.20	223.2	51.39	229.4	52.38
		365.0	162.7	31.56	176.2	36.78	191.9	42.82	208.6	48.27	214.8	49.39	223.2	50.58	229.4	51.55
		730.0	162.7	29.02	176.2	34.39	191.9	40.06	208.6	45.14	214.8	46.18	223.2	47.38	229.4	48.27
		912.5	162.7	28.20	176.2	33.65	191.9	39.24	208.6	44.24	214.8	45.36	223.2	46.48	229.4	47.08
		1095.0	162.7	27.79	176.2	33.27	191.9	38.83	208.6	43.79	214.8	44.95	223.2	46.03	229.4	46.48
	40	292.0	150.7	35.31	163.3	41.12	177.7	47.85	193.3	53.84	199.0	55.13	206.8	56.47	212.6	57.53
		365.0	150.7	34.62	163.3	40.44	177.7	47.08	193.3	52.97	199.0	54.24	206.8	55.58	212.6	56.63
		730.0	150.7	31.86	163.3	37.75	177.7	44.02	193.3	49.54	199.0	50.73	206.8	52.08	212.6	53.05
		912.5	150.7	30.96	163.3	36.93	177.7	43.12	193.3	48.57	199.0	49.84	206.8	51.11	212.6	51.70
		1095.0	150.7	30.51	163.3	36.52	177.7	42.67	193.3	48.08	199.0	49.39	206.8	50.62	212.6	51.03
	45	292.0	138.7	38.43	150.4	44.85	163.5	52.18	178.0	58.61	183.3	60.05	190.4	61.54	195.7	62.68
		365.0	138.7	37.68	150.4	44.09	163.5	51.33	178.0	57.67	183.3	59.09	190.4	60.58	195.7	61.70
		730.0	138.7	34.69	150.4	41.11	163.5	47.97	178.0	53.94	183.3	55.28	190.4	56.78	195.7	57.82
		912.5	138.7	33.72	150.4	40.21	163.5	47.00	178.0	52.90	183.3	54.31	190.4	55.73	195.7	56.33
		1095.0	138.7	33.23	150.4	39.76	163.5	46.51	178.0	52.37	183.3	53.83	190.4	55.21	195.7	55.58
100	10	292.0	166.0	11.94	179.7	13.88	195.7	15.94	212.8	18.17	219.2	18.42	227.7	19.04	234.1	19.41
		365.0	166.0	11.70	179.7	13.64	195.7	15.70	212.8	17.88	219.2	18.15	227.7	18.74	234.1	19.10
		730.0	166.0	10.77	179.7	12.70	195.7	14.78	212.8	16.73	219.2	17.09	227.7	17.51	234.1	17.88
		912.5	166.0	10.41	179.7	12.41	195.7	14.42	212.8	16.37	219.2	16.72	227.7	17.15	234.1	17.29
		1095.0	166.0	10.22	179.7	12.27	195.7	14.23	212.8	16.18	219.2	16.54	227.7	16.97	234.1	16.99
	15	292.0	166.0	16.14	179.7	18.73	195.7	21.75	212.8	24.57	219.2	25.09	227.7	25.78	234.1	26.23
		365.0	166.0	15.82	179.7	18.43	195.7	21.41	212.8	24.17	219.2	24.69	227.7	25.37	234.1	25.81
		730.0	166.0	14.55	179.7	17.23	195.7	20.07	212.8	22.61	219.2	23.13	227.7	23.73	234.1	24.17
		912.5	166.0	14.10	179.7	16.86	195.7	19.62	212.8	22.16	219.2	22.68	227.7	23.28	234.1	23.50
		1095.0	166.0	13.88	179.7	16.67	195.7	19.40	212.8	21.93	219.2	22.45	227.7	23.05	234.1	23.16

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	292.0	166.0	19.87	179.7	23.04	195.7	26.92	212.8	30.26	219.2	31.02	227.7	31.77	234.1	32.29
		365.0	166.0	19.47	179.7	22.68	195.7	26.49	212.8	29.77	219.2	30.51	227.7	31.26	234.1	31.78
		730.0	166.0	17.91	179.7	21.26	195.7	24.77	212.8	27.83	219.2	28.50	227.7	29.25	234.1	29.77
		912.5	166.0	17.38	179.7	20.82	195.7	24.25	212.8	27.31	219.2	27.98	227.7	28.72	234.1	29.02
		1095.0	166.0	17.12	179.7	20.59	195.7	23.98	212.8	27.04	219.2	27.71	227.7	28.46	234.1	28.65
	25	292.0	166.0	24.20	179.7	28.13	195.7	32.76	212.8	36.94	219.2	37.85	227.7	38.75	234.1	39.42
		365.0	166.0	23.73	179.7	27.68	195.7	32.23	212.8	36.33	219.2	37.23	227.7	38.12	234.1	38.80
		730.0	166.0	21.86	179.7	25.89	195.7	30.14	212.8	33.95	219.2	34.77	227.7	35.66	234.1	36.33
		912.5	166.0	21.26	179.7	25.37	195.7	29.54	212.8	33.27	219.2	34.10	227.7	34.99	234.1	35.36
		1095.0	166.0	20.96	179.7	25.10	195.7	29.24	212.8	32.94	219.2	33.76	227.7	34.65	234.1	34.88
	30	292.0	166.0	29.76	179.7	34.66	195.7	40.35	212.8	45.42	219.2	46.49	227.7	47.61	234.1	48.52
		365.0	166.0	29.17	179.7	34.10	195.7	39.69	212.8	44.69	219.2	45.73	227.7	46.85	234.1	47.75
		730.0	166.0	26.86	179.7	31.86	195.7	37.08	212.8	41.78	219.2	42.75	227.7	43.87	234.1	44.69
		912.5	166.0	26.11	179.7	31.19	195.7	36.33	212.8	40.96	219.2	42.00	227.7	43.05	234.1	43.50
		1095.0	166.0	25.74	179.7	30.85	195.7	35.96	212.8	40.55	219.2	41.63	227.7	42.63	234.1	42.89
	35	292.0	157.8	31.43	170.9	36.54	186.0	42.53	202.1	47.92	208.1	49.06	216.4	50.26	222.3	51.17
		365.0	157.8	30.81	170.9	35.96	186.0	41.85	202.1	47.15	208.1	48.27	216.4	49.46	222.3	50.36
		730.0	157.8	28.35	170.9	33.65	186.0	39.17	202.1	44.09	208.1	45.14	216.4	46.33	222.3	47.15
		912.5	157.8	27.60	170.9	32.90	186.0	38.35	202.1	43.27	208.1	44.32	216.4	45.44	222.3	45.88
		1095.0	157.8	27.23	170.9	32.53	186.0	37.93	202.1	42.86	208.1	43.90	216.4	44.98	222.3	45.24
	40	292.0	149.3	35.33	161.8	41.02	176.2	47.78	191.5	53.76	197.3	55.05	205.0	56.41	210.6	57.38
		365.0	149.3	34.62	161.8	40.36	176.2	47.00	191.5	52.90	197.3	54.16	205.0	55.51	210.6	56.48
		730.0	149.3	31.78	161.8	37.75	176.2	43.94	191.5	49.46	197.3	50.66	205.0	51.93	210.6	52.90
		912.5	149.3	30.96	161.8	36.93	176.2	43.05	191.5	48.49	197.3	49.69	205.0	50.96	210.6	51.48
		1095.0	149.3	30.55	161.8	36.52	176.2	42.60	191.5	48.01	197.3	49.20	205.0	50.47	210.6	50.76
	45	292.0	140.9	39.23	152.7	45.50	166.4	53.02	180.8	59.60	186.4	61.04	193.7	62.57	198.8	63.59
		365.0	140.9	38.42	152.7	44.76	166.4	52.15	180.8	58.64	186.4	60.06	193.7	61.55	198.8	62.60
		730.0	140.9	35.21	152.7	41.85	166.4	48.72	180.8	54.84	186.4	56.18	193.7	57.52	198.8	58.64
		912.5	140.9	34.32	152.7	40.96	166.4	47.75	180.8	53.72	186.4	55.06	193.7	56.48	198.8	57.07
		1095.0	140.9	33.87	152.7	40.51	166.4	47.26	180.8	53.15	186.4	54.50	193.7	55.95	198.8	56.28
90	10	292.0	149.3	10.15	161.8	11.78	176.2	13.78	191.5	15.59	197.3	15.87	205.0	16.21	210.6	16.71
		365.0	149.3	9.97	161.8	11.62	176.2	13.56	191.5	15.36	197.3	15.64	205.0	15.99	210.6	16.44
		730.0	149.3	9.26	161.8	10.99	176.2	12.70	191.5	14.44	197.3	14.72	205.0	15.15	210.6	15.36
		912.5	149.3	8.97	161.8	10.61	176.2	12.49	191.5	13.99	197.3	14.43	205.0	14.87	210.6	14.85
		1095.0	149.3	8.83	161.8	10.42	176.2	12.38	191.5	13.76	197.3	14.28	205.0	14.72	210.6	14.59
	15	292.0	149.3	13.84	161.8	16.06	176.2	18.73	191.5	21.15	197.3	21.60	205.0	22.12	210.6	22.59
		365.0	149.3	13.58	161.8	15.82	176.2	18.43	191.5	20.82	197.3	21.26	205.0	21.79	210.6	22.23
		730.0	149.3	12.53	161.8	14.85	176.2	17.23	191.5	19.47	197.3	19.92	205.0	20.44	210.6	20.82
		912.5	149.3	12.16	161.8	14.47	176.2	16.94	191.5	19.02	197.3	19.55	205.0	20.07	210.6	20.22
		1095.0	149.3	11.97	161.8	14.29	176.2	16.79	191.5	18.80	197.3	19.36	205.0	19.88	210.6	19.92
	20	292.0	149.3	17.13	161.8	19.87	176.2	23.13	191.5	26.10	197.3	26.70	205.0	27.39	210.6	27.81
		365.0	149.3	16.79	161.8	19.55	176.2	22.76	191.5	25.66	197.3	26.26	205.0	26.93	210.6	27.38
		730.0	149.3	15.44	161.8	18.28	176.2	21.26	191.5	23.95	197.3	24.55	205.0	25.14	210.6	25.66
		912.5	149.3	15.00	161.8	17.91	176.2	20.89	191.5	23.50	197.3	24.10	205.0	24.69	210.6	24.99
		1095.0	149.3	14.77	161.8	17.72	176.2	20.70	191.5	23.28	197.3	23.87	205.0	24.47	210.6	24.66
	25	292.0	149.3	20.86	161.8	24.27	176.2	28.21	191.5	31.77	197.3	32.53	205.0	33.35	210.6	33.97
		365.0	149.3	20.44	161.8	23.87	176.2	27.75	191.5	31.26	197.3	32.01	205.0	32.83	210.6	33.42
		730.0	149.3	18.80	161.8	22.31	176.2	25.96	191.5	29.25	197.3	29.92	205.0	30.74	210.6	31.26
		912.5	149.3	18.28	161.8	21.79	176.2	25.44	191.5	28.65	197.3	29.40	205.0	30.14	210.6	30.44
		1095.0	149.3	18.02	161.8	21.52	176.2	25.18	191.5	28.35	197.3	29.13	205.0	29.84	210.6	30.03
	30	292.0	149.3	25.65	161.8	29.81	176.2	34.74	191.5	39.14	197.3	40.03	205.0	41.02	210.6	41.79
		365.0	149.3	25.14	161.8	29.32	176.2	34.17	191.5	38.50	197.3	39.39	205.0	40.36	210.6	41.11
		730.0	149.3	23.13	161.8	27.38	176.2	31.93	191.5	35.96	197.3	36.86	205.0	37.75	210.6	38.42
		912.5	149.3	22.46	161.8	26.86	176.2	31.26	191.5	35.29	197.3	36.11	205.0	37.08	210.6	37.45
		1095.0	149.3	22.12	161.8	26.60	176.2	30.92	191.5	34.95	197.3	35.73	205.0	36.74	210.6	36.96
	35	292.0	145.3	27.72	157.3	32.16	171.3	37.46	186.2	42.16	191.7	43.15	199.3	44.19	204.8	45.03
		365.0	145.3	27.16	157.3	31.63	171.3	36.86	186.2	41.48	191.7	42.45	199.3	43.50	204.8	44.32
		730.0	145.3	24.92	157.3	29.54	171.3	34.47	186.2	38.80	191.7	39.69	199.3	40.74	204.8	41.48
		912.5	145.3	24.25	157.3	28.95	171.3	33.72	186.2	38.05	191.7	39.02	199.3	39.99	204.8	40.36
		1095.0	145.3	23.91	157.3	28.65	171.3	33.35	186.2	37.67	191.7	38.68	199.3	39.61	204.8	39.80
	40	292.0	141.1	31.83	152.9	36.94	166.4	42.98	180.8	48.47	186.4	49.58	193.5	50.80	199.0	51.69
		365.0	141.1	31.19	152.9	36.33	166.4	42.30	180.8	47.67	186.4	48.79	193.5	49.99	199.0	50.88
		730.0	141.1	28.65	152.9	33.95	166.4	39.62	180.8	44.54	186.4	45.66	193.5	46.78	199.0	47.67
		912.5	141.1	27.83	152.9	33.27	166.4	38.80	180.8	43.72	186.4	44.76	193.5	45.96	199.0	46.41
		1095.0	141.1	27.41	152.9	32.94	166.4	38.38	180.8	43.31	186.4	44.31	193.5	45.54	199.0	45.77

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	292.0	136.9	35.93	148.4	41.71	161.5	48.50	175.5	54.77	181.1	56.02	187.7	57.40	193.3	58.35
		365.0	136.9	35.21	148.4	41.03	161.5	47.75	175.5	53.87	181.1	55.13	187.7	56.48	193.3	57.45
		730.0	136.9	32.38	148.4	38.35	161.5	44.76	175.5	50.29	181.1	51.63	187.7	52.82	193.3	53.87
		912.5	136.9	31.41	148.4	37.60	161.5	43.87	175.5	49.39	181.1	50.51	187.7	51.93	193.3	52.45
		1095.0	136.9	30.92	148.4	37.23	161.5	43.42	175.5	48.94	181.1	49.95	187.7	51.48	193.3	51.73
80	10	292.0	132.7	8.68	143.8	9.88	156.7	11.49	170.2	13.16	175.3	13.33	182.2	13.73	187.3	13.84
		365.0	132.7	8.48	143.8	9.75	156.7	11.33	170.2	12.93	175.3	13.13	182.2	13.49	187.3	13.63
		730.0	132.7	7.68	143.8	9.27	156.7	10.70	170.2	11.98	175.3	12.35	182.2	12.55	187.3	12.77
		912.5	132.7	7.62	143.8	8.97	156.7	10.48	170.2	11.77	175.3	11.97	182.2	12.34	187.3	12.49
		1095.0	132.7	7.59	143.8	8.82	156.7	10.37	170.2	11.66	175.3	11.79	182.2	12.23	187.3	12.35
	15	292.0	132.7	11.66	143.8	13.49	156.7	15.69	170.2	17.76	175.3	18.11	182.2	18.58	187.3	18.88
		365.0	132.7	11.41	143.8	13.28	156.7	15.44	170.2	17.46	175.3	17.83	182.2	18.28	187.3	18.58
		730.0	132.7	10.45	143.8	12.46	156.7	14.47	170.2	16.26	175.3	16.71	182.2	17.09	187.3	17.38
		912.5	132.7	10.22	143.8	12.16	156.7	14.18	170.2	15.97	175.3	16.34	182.2	16.79	187.3	16.94
		1095.0	132.7	10.11	143.8	12.01	156.7	14.02	170.2	15.82	175.3	16.15	182.2	16.64	187.3	16.71
	20	292.0	132.7	14.31	143.8	16.70	156.7	19.42	170.2	21.84	175.3	22.37	182.2	22.89	187.3	23.36
		365.0	132.7	14.03	143.8	16.41	156.7	19.10	170.2	21.49	175.3	22.01	182.2	22.53	187.3	22.98
		730.0	132.7	12.91	143.8	15.29	156.7	17.83	170.2	20.07	175.3	20.59	182.2	21.11	187.3	21.49
		912.5	132.7	12.53	143.8	15.00	156.7	17.46	170.2	19.70	175.3	20.22	182.2	20.74	187.3	20.89
		1095.0	132.7	12.35	143.8	14.85	156.7	17.27	170.2	19.51	175.3	20.03	182.2	20.55	187.3	20.59
	25	292.0	132.7	17.52	143.8	20.33	156.7	23.65	170.2	26.60	175.3	27.31	182.2	27.98	187.3	28.43
		365.0	132.7	17.16	143.8	19.99	156.7	23.28	170.2	26.19	175.3	26.86	182.2	27.53	187.3	27.98
		730.0	132.7	15.74	143.8	18.65	156.7	21.79	170.2	24.55	175.3	25.07	182.2	25.74	187.3	26.19
		912.5	132.7	15.29	143.8	18.28	156.7	21.34	170.2	24.02	175.3	24.62	182.2	25.29	187.3	25.52
		1095.0	132.7	15.07	143.8	18.09	156.7	21.11	170.2	23.76	175.3	24.39	182.2	25.07	187.3	25.18
	30	292.0	132.7	21.45	143.8	24.94	156.7	29.12	170.2	32.76	175.3	33.50	182.2	34.34	187.3	35.03
		365.0	132.7	21.04	143.8	24.55	156.7	28.65	170.2	32.23	175.3	32.98	182.2	33.80	187.3	34.47
		730.0	132.7	19.40	143.8	22.98	156.7	26.78	170.2	30.14	175.3	30.89	182.2	31.63	187.3	32.23
		912.5	132.7	18.88	143.8	22.46	156.7	26.19	170.2	29.54	175.3	30.29	182.2	31.04	187.3	31.41
		1095.0	132.7	18.61	143.8	22.19	156.7	25.89	170.2	29.24	175.3	29.99	182.2	30.74	187.3	31.00
	35	292.0	132.7	23.90	143.8	27.76	156.7	32.29	170.2	36.40	175.3	37.31	182.2	38.22	187.3	38.90
		365.0	132.7	23.43	143.8	27.31	156.7	31.78	170.2	35.81	175.3	36.71	182.2	37.60	187.3	38.27
		730.0	132.7	21.56	143.8	25.52	156.7	29.77	170.2	33.50	175.3	34.32	182.2	35.14	187.3	35.81
		912.5	132.7	20.96	143.8	24.99	156.7	29.17	170.2	32.83	175.3	33.65	182.2	34.54	187.3	34.84
		1095.0	132.7	20.66	143.8	24.73	156.7	28.87	170.2	32.49	175.3	33.31	182.2	34.24	187.3	34.35
	40	292.0	132.7	28.32	143.8	32.93	156.7	38.30	170.2	43.15	175.3	44.14	182.2	45.28	187.3	46.02
		365.0	132.7	27.75	143.8	32.38	156.7	37.68	170.2	42.45	175.3	43.42	182.2	44.54	187.3	45.29
		730.0	132.7	25.52	143.8	30.22	156.7	35.21	170.2	39.69	175.3	40.59	182.2	41.63	187.3	42.38
		912.5	132.7	24.77	143.8	29.62	156.7	34.47	170.2	38.87	175.3	39.84	182.2	40.88	187.3	41.26
		1095.0	132.7	24.39	143.8	29.32	156.7	34.09	170.2	38.46	175.3	39.46	182.2	40.51	187.3	40.69
	45	292.0	132.7	32.74	143.8	38.09	156.7	44.31	170.2	49.90	175.3	50.97	182.2	52.33	187.3	53.15
		365.0	132.7	32.08	143.8	37.45	156.7	43.57	170.2	49.09	175.3	50.14	182.2	51.48	187.3	52.30
		730.0	132.7	29.47	143.8	34.92	156.7	40.66	170.2	45.88	175.3	46.85	182.2	48.12	187.3	48.94
		912.5	132.7	28.57	143.8	34.24	156.7	39.77	170.2	44.91	175.3	46.03	182.2	47.23	187.3	47.67
		1095.0	132.7	28.12	143.8	33.91	156.7	39.31	170.2	44.42	175.3	45.62	182.2	46.78	187.3	47.03
70	10	292.0	116.3	7.08	125.8	8.25	137.1	9.53	148.9	10.75	153.3	11.17	159.3	11.46	163.8	11.49
		365.0	116.3	6.96	125.8	8.10	137.1	9.39	148.9	10.61	153.3	10.99	159.3	11.28	163.8	11.33
		730.0	116.3	6.46	125.8	7.53	137.1	8.82	148.9	10.05	153.3	10.27	159.3	10.56	163.8	10.70
		912.5	116.3	6.32	125.8	7.39	137.1	8.68	148.9	9.75	153.3	9.97	159.3	10.26	163.8	10.41
		1095.0	116.3	6.25	125.8	7.32	137.1	8.61	148.9	9.60	153.3	9.82	159.3	10.11	163.8	10.26
	15	292.0	116.3	9.66	125.8	11.23	137.1	13.04	148.9	14.70	153.3	15.09	159.3	15.46	163.8	15.69
		365.0	116.3	9.48	125.8	11.04	137.1	12.83	148.9	14.47	153.3	14.85	159.3	15.22	163.8	15.44
		730.0	116.3	8.73	125.8	10.30	137.1	12.01	148.9	13.58	153.3	13.88	159.3	14.25	163.8	14.47
		912.5	116.3	8.51	125.8	10.07	137.1	11.79	148.9	13.28	153.3	13.58	159.3	13.95	163.8	14.10
		1095.0	116.3	8.39	125.8	9.96	137.1	11.68	148.9	13.13	153.3	13.43	159.3	13.80	163.8	13.91
	20	292.0	116.3	11.96	125.8	13.88	137.1	16.16	148.9	18.21	153.3	18.58	159.3	19.03	163.8	19.42
		365.0	116.3	11.71	125.8	13.65	137.1	15.89	148.9	17.91	153.3	18.28	159.3	18.73	163.8	19.10
		730.0	116.3	10.74	125.8	12.76	137.1	14.85	148.9	16.71	153.3	17.09	159.3	17.53	163.8	17.83
		912.5	116.3	10.45	125.8	12.46	137.1	14.55	148.9	16.41	153.3	16.79	159.3	17.23	163.8	17.38
		1095.0	116.3	10.29	125.8	12.31	137.1	14.40	148.9	16.26	153.3	16.64	159.3	17.08	163.8	17.16
	25	292.0	116.3	14.53	125.8	16.92	137.1	19.62	148.9	22.14	153.3	22.67	159.3	23.19	163.8	23.65
		365.0	116.3	14.25	125.8	16.64	137.1	19.32	148.9	21.79	153.3	22.31	159.3	22.83	163.8	23.28
		730.0	116.3	13.13	125.8	15.52	137.1	18.13	148.9	20.37	153.3	20.89	159.3	21.41	163.8	21.79
		912.5	116.3	12.76	125.8	15.22	137.1	17.76	148.9	19.99	153.3	20.44	159.3	20.96	163.8	21.19
		1095.0	116.3	12.57	125.8	15.07	137.1	17.57	148.9	19.81	153.3	20.22	159.3	20.74	163.8	20.89

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	292.0	116.3	17.89	125.8	20.78	137.1	24.20	148.9	27.22	153.3	27.91	159.3	28.58	163.8	29.12
		365.0	116.3	17.53	125.8	20.44	137.1	23.80	148.9	26.78	153.3	27.46	159.3	28.13	163.8	28.65
		730.0	116.3	16.12	125.8	19.10	137.1	22.23	148.9	25.07	153.3	25.66	159.3	26.34	163.8	26.78
		912.5	116.3	15.67	125.8	18.73	137.1	21.79	148.9	24.55	153.3	25.22	159.3	25.81	163.8	26.11
		1095.0	116.3	15.44	125.8	18.54	137.1	21.56	148.9	24.28	153.3	24.99	159.3	25.55	163.8	25.77
	35	292.0	116.3	19.87	125.8	23.04	137.1	26.94	148.9	30.26	153.3	31.02	159.3	31.77	163.8	32.29
		365.0	116.3	19.47	125.8	22.68	137.1	26.49	148.9	29.77	153.3	30.51	159.3	31.26	163.8	31.78
		730.0	116.3	17.91	125.8	21.26	137.1	24.69	148.9	27.83	153.3	28.50	159.3	29.25	163.8	29.77
		912.5	116.3	17.38	125.8	20.74	137.1	24.25	148.9	27.31	153.3	27.98	159.3	28.72	163.8	29.02
		1095.0	116.3	17.12	125.8	20.48	137.1	24.02	148.9	27.04	153.3	27.71	159.3	28.46	163.8	28.65
	40	292.0	116.3	23.52	125.8	27.29	137.1	31.84	148.9	35.87	153.3	36.69	159.3	37.61	163.8	38.28
		365.0	116.3	23.05	125.8	26.86	137.1	31.34	148.9	35.29	153.3	36.11	159.3	37.01	163.8	37.68
		730.0	116.3	21.19	125.8	25.14	137.1	29.32	148.9	32.98	153.3	33.80	159.3	34.62	163.8	35.29
		912.5	116.3	20.59	125.8	24.62	137.1	28.65	148.9	32.30	153.3	33.13	159.3	34.02	163.8	34.32
		1095.0	116.3	20.29	125.8	24.36	137.1	28.31	148.9	31.97	153.3	32.79	159.3	33.72	163.8	33.83
	45	292.0	116.3	27.18	125.8	31.55	137.1	36.75	148.9	41.49	153.3	42.36	159.3	43.45	163.8	44.27
		365.0	116.3	26.63	125.8	31.04	137.1	36.18	148.9	40.81	153.3	41.71	159.3	42.75	163.8	43.57
		730.0	116.3	24.47	125.8	29.02	137.1	33.95	148.9	38.12	153.3	39.09	159.3	39.99	163.8	40.81
		912.5	116.3	23.80	125.8	28.50	137.1	33.05	148.9	37.30	153.3	38.27	159.3	39.32	163.8	39.62
		1095.0	116.3	23.46	125.8	28.24	137.1	32.60	148.9	36.89	153.3	37.86	159.3	38.98	163.8	39.01
60	10	292.0	99.6	5.63	107.8	6.56	117.4	7.54	127.6	8.69	131.6	8.92	136.7	9.02	140.5	9.16
		365.0	99.6	5.52	107.8	6.45	117.4	7.45	127.6	8.54	131.6	8.76	136.7	8.90	140.5	9.04
		730.0	99.6	5.09	107.8	6.02	117.4	7.11	127.6	7.96	131.6	8.10	136.7	8.40	140.5	8.54
		912.5	99.6	4.87	107.8	5.96	117.4	6.97	127.6	7.82	131.6	7.96	136.7	8.18	140.5	8.33
		1095.0	99.6	4.76	107.8	5.93	117.4	6.90	127.6	7.75	131.6	7.89	136.7	8.07	140.5	8.22
	15	292.0	99.6	7.69	107.8	8.95	117.4	10.37	127.6	11.75	131.6	12.07	136.7	12.27	140.5	12.50
		365.0	99.6	7.54	107.8	8.80	117.4	10.22	127.6	11.56	131.6	11.86	136.7	12.09	140.5	12.31
		730.0	99.6	6.94	107.8	8.21	117.4	9.62	127.6	10.82	131.6	11.04	136.7	11.34	140.5	11.56
		912.5	99.6	6.71	107.8	8.06	117.4	9.40	127.6	10.59	131.6	10.82	136.7	11.12	140.5	11.27
		1095.0	99.6	6.60	107.8	7.98	117.4	9.29	127.6	10.48	131.6	10.71	136.7	11.00	140.5	11.12
	20	292.0	99.6	9.51	107.8	11.08	117.4	12.89	127.6	14.48	131.6	14.87	136.7	15.17	140.5	15.46
		365.0	99.6	9.33	107.8	10.89	117.4	12.68	127.6	14.25	131.6	14.62	136.7	14.92	140.5	15.22
		730.0	99.6	8.58	107.8	10.15	117.4	11.86	127.6	13.35	131.6	13.65	136.7	13.95	140.5	14.25
		912.5	99.6	8.36	107.8	9.92	117.4	11.56	127.6	13.06	131.6	13.35	136.7	13.73	140.5	13.88
		1095.0	99.6	8.24	107.8	9.81	117.4	11.41	127.6	12.91	131.6	13.20	136.7	13.61	140.5	13.69
	25	292.0	99.6	11.57	107.8	13.51	117.4	15.71	127.6	17.67	131.6	18.04	136.7	18.49	140.5	18.88
		365.0	99.6	11.34	107.8	13.28	117.4	15.44	127.6	17.38	131.6	17.76	136.7	18.20	140.5	18.58
		730.0	99.6	10.45	107.8	12.38	117.4	14.40	127.6	16.26	131.6	16.64	136.7	17.09	140.5	17.38
		912.5	99.6	10.15	107.8	12.09	117.4	14.10	127.6	15.89	131.6	16.34	136.7	16.71	140.5	16.94
		1095.0	99.6	10.00	107.8	11.94	117.4	13.95	127.6	15.70	131.6	16.19	136.7	16.52	140.5	16.71
	30	292.0	99.6	14.23	107.8	16.53	117.4	19.25	127.6	21.68	131.6	22.22	136.7	22.74	140.5	23.21
		365.0	99.6	13.95	107.8	16.26	117.4	18.95	127.6	21.34	131.6	21.86	136.7	22.38	140.5	22.83
		730.0	99.6	12.83	107.8	15.22	117.4	17.76	127.6	19.99	131.6	20.44	136.7	20.96	140.5	21.34
		912.5	99.6	12.46	107.8	14.92	117.4	17.38	127.6	19.62	131.6	20.07	136.7	20.59	140.5	20.82
		1095.0	99.6	12.27	107.8	14.77	117.4	17.20	127.6	19.43	131.6	19.88	136.7	20.40	140.5	20.55
	35	292.0	99.6	15.84	107.8	18.43	117.4	21.47	127.6	24.10	131.6	24.72	136.7	25.33	140.5	25.78
		365.0	99.6	15.52	107.8	18.13	117.4	21.11	127.6	23.73	131.6	24.32	136.7	24.92	140.5	25.37
		730.0	99.6	14.25	107.8	16.94	117.4	19.70	127.6	22.23	131.6	22.76	136.7	23.28	140.5	23.73
		912.5	99.6	13.88	107.8	16.56	117.4	19.32	127.6	21.79	131.6	22.31	136.7	22.90	140.5	23.13
		1095.0	99.6	13.69	107.8	16.37	117.4	19.14	127.6	21.56	131.6	22.08	136.7	22.72	140.5	22.83
	40	292.0	99.6	18.71	107.8	21.75	117.4	25.41	127.6	28.60	131.6	29.27	136.7	29.94	140.5	30.56
		365.0	99.6	18.35	107.8	21.41	117.4	24.99	127.6	28.13	131.6	28.80	136.7	29.47	140.5	30.07
		730.0	99.6	16.94	107.8	20.07	117.4	23.35	127.6	26.26	131.6	26.93	136.7	27.60	140.5	28.13
		912.5	99.6	16.41	107.8	19.62	117.4	22.90	127.6	25.74	131.6	26.41	136.7	27.08	140.5	27.38
		1095.0	99.6	16.15	107.8	19.40	117.4	22.68	127.6	25.48	131.6	26.15	136.7	26.82	140.5	27.00
	45	292.0	99.6	21.58	107.8	25.07	117.4	29.34	127.6	33.09	131.6	33.82	136.7	34.55	140.5	35.33
		365.0	99.6	21.19	107.8	24.69	117.4	28.87	127.6	32.53	131.6	33.27	136.7	34.02	140.5	34.77
		730.0	99.6	19.62	107.8	23.20	117.4	27.01	127.6	30.29	131.6	31.11	136.7	31.93	140.5	32.53
		912.5	99.6	18.95	107.8	22.68	117.4	26.49	127.6	29.69	131.6	30.51	136.7	31.26	140.5	31.63
		1095.0	99.6	18.61	107.8	22.42	117.4	26.22	127.6	29.39	131.6	30.21	136.7	30.92	140.5	31.18
50	10	292.0	83.0	4.18	89.9	4.87	97.9	5.86	106.5	6.40	109.6	6.52	113.8	6.81	116.9	6.85
		365.0	83.0	4.08	89.9	4.80	97.9	5.75	106.5	6.31	109.6	6.45	113.8	6.68	116.9	6.74
		730.0	83.0	3.72	89.9	4.52	97.9	5.32	106.5	5.96	109.6	6.18	113.8	6.16	116.9	6.31
		912.5	83.0	3.66	89.9	4.53	97.9	5.17	106.5	5.81	109.6	5.88	113.8	6.10	116.9	6.09
		1095.0	83.0	3.62	89.9	4.54	97.9	5.09	106.5	5.73	109.6	5.72	113.8	6.07	116.9	5.98

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	292.0	83.0	5.71	89.9	6.68	97.9	7.82	106.5	8.71	109.6	8.94	113.8	9.18	116.9	9.33
		365.0	83.0	5.60	89.9	6.57	97.9	7.68	106.5	8.58	109.6	8.80	113.8	9.03	116.9	9.18
		730.0	83.0	5.15	89.9	6.12	97.9	7.16	106.5	8.06	109.6	8.28	113.8	8.43	116.9	8.58
		912.5	83.0	5.00	89.9	6.04	97.9	7.01	106.5	7.91	109.6	8.06	113.8	8.28	116.9	8.36
		1095.0	83.0	4.92	89.9	6.01	97.9	6.94	106.5	7.83	109.6	7.94	113.8	8.21	116.9	8.24
	20	292.0	83.0	7.07	89.9	8.28	97.9	9.55	106.5	10.76	109.6	11.08	113.8	11.29	116.9	11.53
		365.0	83.0	6.94	89.9	8.13	97.9	9.40	106.5	10.59	109.6	10.89	113.8	11.12	116.9	11.34
		730.0	83.0	6.42	89.9	7.54	97.9	8.80	106.5	9.92	109.6	10.15	113.8	10.45	116.9	10.59
		912.5	83.0	6.19	89.9	7.39	97.9	8.65	106.5	9.77	109.6	10.00	113.8	10.22	116.9	10.37
		1095.0	83.0	6.08	89.9	7.31	97.9	8.58	106.5	9.70	109.6	9.92	113.8	10.11	116.9	10.26
	25	292.0	83.0	8.60	89.9	10.00	97.9	11.68	106.5	13.21	109.6	13.51	113.8	13.80	116.9	14.01
		365.0	83.0	8.43	89.9	9.85	97.9	11.49	106.5	12.98	109.6	13.28	113.8	13.58	116.9	13.80
		730.0	83.0	7.76	89.9	9.25	97.9	10.74	106.5	12.09	109.6	12.38	113.8	12.68	116.9	12.98
		912.5	83.0	7.54	89.9	9.03	97.9	10.52	106.5	11.86	109.6	12.16	113.8	12.46	116.9	12.61
		1095.0	83.0	7.42	89.9	8.91	97.9	10.41	106.5	11.75	109.6	12.05	113.8	12.35	116.9	12.42
	30	292.0	83.0	10.67	89.9	12.37	97.9	14.42	106.5	16.23	109.6	16.62	113.8	16.98	116.9	17.29
		365.0	83.0	10.45	89.9	12.16	97.9	14.18	106.5	15.97	109.6	16.34	113.8	16.71	116.9	17.01
		730.0	83.0	9.55	89.9	11.34	97.9	13.21	106.5	14.92	109.6	15.22	113.8	15.67	116.9	15.89
		912.5	83.0	9.33	89.9	11.12	97.9	12.98	106.5	14.62	109.6	15.00	113.8	15.37	116.9	15.52
		1095.0	83.0	9.21	89.9	11.00	97.9	12.87	106.5	14.47	109.6	14.88	113.8	15.22	116.9	15.33
	35	292.0	83.0	11.79	89.9	13.73	97.9	16.01	106.5	17.96	109.6	18.43	113.8	18.88	116.9	19.18
		365.0	83.0	11.56	89.9	13.50	97.9	15.74	106.5	17.68	109.6	18.13	113.8	18.58	116.9	18.88
		730.0	83.0	10.67	89.9	12.61	97.9	14.70	106.5	16.56	109.6	16.94	113.8	17.38	116.9	17.68
		912.5	83.0	10.37	89.9	12.38	97.9	14.40	106.5	16.26	109.6	16.64	113.8	17.09	116.9	17.23
		1095.0	83.0	10.22	89.9	12.27	97.9	14.25	106.5	16.11	109.6	16.49	113.8	16.93	116.9	17.01
	40	292.0	83.0	14.01	89.9	16.23	97.9	18.97	106.5	21.30	109.6	21.84	113.8	22.37	116.9	22.74
		365.0	83.0	13.73	89.9	15.97	97.9	18.65	106.5	20.96	109.6	21.49	113.8	22.01	116.9	22.38
		730.0	83.0	12.61	89.9	14.92	97.9	17.38	106.5	19.62	109.6	20.07	113.8	20.59	116.9	20.96
		912.5	83.0	12.24	89.9	14.62	97.9	17.09	106.5	19.25	109.6	19.70	113.8	20.22	116.9	20.37
		1095.0	83.0	12.05	89.9	14.47	97.9	16.93	106.5	19.06	109.6	19.51	113.8	20.03	116.9	20.07
	45	292.0	83.0	16.23	89.9	18.73	97.9	21.94	106.5	24.64	109.6	25.26	113.8	25.86	116.9	26.30
		365.0	83.0	15.89	89.9	18.43	97.9	21.56	106.5	24.25	109.6	24.84	113.8	25.44	116.9	25.89
		730.0	83.0	14.55	89.9	17.23	97.9	20.07	106.5	22.68	109.6	23.20	113.8	23.80	116.9	24.25
		912.5	83.0	14.10	89.9	16.86	97.9	19.77	106.5	22.23	109.6	22.76	113.8	23.35	116.9	23.50
		1095.0	83.0	13.88	89.9	16.67	97.9	19.62	106.5	22.01	109.6	22.53	113.8	23.13	116.9	23.13

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(78HP)

ARWN780LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	299.6	203.1	14.52	219.9	17.04	239.3	19.84	260.1	22.25	268.1	22.75	278.6	23.49	286.3	23.82
		374.5	203.1	14.26	219.9	16.74	239.3	19.50	260.1	21.89	268.1	22.41	278.6	23.09	286.3	23.46
		749.0	203.1	13.23	219.9	15.53	239.3	18.15	260.1	20.47	268.1	21.07	278.6	21.51	286.3	22.04
		936.3	203.1	12.85	219.9	15.32	239.3	17.86	260.1	20.01	268.1	20.62	278.6	21.14	286.3	21.43
		1123.5	203.1	12.66	219.9	15.21	239.3	17.71	260.1	19.78	268.1	20.39	278.6	20.96	286.3	21.13
	15	299.6	199.7	19.16	216.4	22.33	235.5	26.02	256.0	29.23	263.7	29.92	274.0	30.71	281.7	31.24
		374.5	199.7	18.78	216.4	21.95	235.5	25.59	256.0	28.76	263.7	29.45	274.0	30.23	281.7	30.77
		749.0	199.7	17.32	216.4	20.49	235.5	23.89	256.0	26.90	263.7	27.60	274.0	28.29	281.7	28.91
		936.3	199.7	16.85	216.4	20.10	235.5	23.42	256.0	26.36	263.7	27.06	274.0	27.75	281.7	28.22
		1123.5	199.7	16.62	216.4	19.90	235.5	23.19	256.0	26.09	263.7	26.78	274.0	27.48	281.7	27.87
	20	299.6	196.8	23.27	213.2	27.02	232.1	31.51	252.3	35.43	259.8	36.30	269.9	37.13	277.6	37.83
		374.5	196.8	22.80	213.2	26.59	232.1	31.00	252.3	34.86	259.8	35.71	269.9	36.56	277.6	37.26
		749.0	196.8	20.95	213.2	24.89	232.1	28.99	252.3	32.62	259.8	33.40	269.9	34.32	277.6	35.02
		936.3	196.8	20.41	213.2	24.35	232.1	28.37	252.3	32.00	259.8	32.78	269.9	33.63	277.6	34.25
		1123.5	196.8	20.14	213.2	24.08	232.1	28.06	252.3	31.69	259.8	32.47	269.9	33.28	277.6	33.86
	25	299.6	196.8	28.70	213.2	33.30	232.1	38.81	252.3	43.78	259.8	44.79	269.9	45.85	277.6	46.62
		374.5	196.8	28.14	213.2	32.78	232.1	38.19	252.3	43.06	259.8	44.06	269.9	45.15	277.6	45.92
		749.0	196.8	25.90	213.2	30.69	232.1	35.71	252.3	40.20	259.8	41.20	269.9	42.36	277.6	43.14
		936.3	196.8	25.12	213.2	29.99	232.1	35.02	252.3	39.42	259.8	40.43	269.9	41.51	277.6	42.21
		1123.5	196.8	24.73	213.2	29.64	232.1	34.67	252.3	39.04	259.8	40.04	269.9	41.08	277.6	41.74
	30	299.6	196.8	34.48	213.2	39.99	232.1	46.58	252.3	52.50	259.8	53.73	269.9	55.05	277.6	55.96
		374.5	196.8	33.78	213.2	39.35	232.1	45.84	252.3	51.64	259.8	52.88	269.9	54.19	277.6	55.12
		749.0	196.8	31.00	213.2	36.80	232.1	42.90	252.3	48.24	259.8	49.47	269.9	50.79	277.6	51.79
		936.3	196.8	30.15	213.2	36.02	232.1	41.98	252.3	47.31	259.8	48.55	269.9	49.78	277.6	50.63
		1123.5	196.8	29.72	213.2	35.63	232.1	41.51	252.3	46.84	259.8	48.08	269.9	49.28	277.6	50.05
	35	299.6	177.2	34.77	191.8	40.48	208.8	47.14	227.1	53.02	233.9	54.37	243.0	55.69	249.8	56.58
		374.5	177.2	34.09	191.8	39.81	208.8	46.38	227.1	52.18	233.9	53.49	243.0	54.81	249.8	55.74
		749.0	177.2	31.39	191.8	37.18	208.8	43.37	227.1	48.86	233.9	50.02	243.0	51.33	249.8	52.41
		936.3	177.2	30.53	191.8	36.41	208.8	42.44	227.1	47.85	233.9	49.09	243.0	50.32	249.8	51.17
		1123.5	177.2	30.11	191.8	36.02	208.8	41.97	227.1	47.34	233.9	48.62	243.0	49.82	249.8	50.55
	40	299.6	157.4	36.77	170.6	42.66	185.6	49.73	201.8	55.94	207.9	57.25	215.9	58.64	222.0	59.73
		374.5	157.4	36.02	170.6	41.98	185.6	48.93	201.8	55.04	207.9	56.35	215.9	57.75	222.0	58.83
		749.0	157.4	33.09	170.6	39.27	185.6	45.76	201.8	51.48	207.9	52.80	215.9	54.19	222.0	55.27
		936.3	157.4	32.16	170.6	38.42	185.6	44.76	201.8	50.48	207.9	51.79	215.9	53.11	222.0	54.04
		1123.5	157.4	31.69	170.6	37.99	185.6	44.25	201.8	49.97	207.9	51.29	215.9	52.56	222.0	53.41
	45	299.6	137.6	38.76	149.4	44.84	162.4	52.32	176.5	58.86	182.0	60.13	188.8	61.60	194.3	62.88
		374.5	137.6	37.96	149.4	44.14	162.4	51.48	176.5	57.90	182.0	59.21	188.8	60.68	194.3	61.92
		749.0	137.6	34.79	149.4	41.36	162.4	48.16	176.5	54.11	182.0	55.58	188.8	57.05	194.3	58.13
		936.3	137.6	33.78	149.4	40.43	162.4	47.08	176.5	53.11	182.0	54.50	188.8	55.89	194.3	56.90
		1123.5	137.6	33.28	149.4	39.96	162.4	46.53	176.5	52.60	182.0	53.95	188.8	55.31	194.3	56.27
120	10	299.6	192.2	13.86	208.0	16.16	226.7	18.71	246.3	21.08	253.6	21.73	263.6	22.25	270.9	22.50
		374.5	192.2	13.58	208.0	15.90	226.7	18.43	246.3	20.74	253.6	21.35	263.6	21.87	270.9	22.16
		749.0	192.2	12.46	208.0	14.85	226.7	17.32	246.3	19.39	253.6	19.84	263.6	20.36	270.9	20.81
		936.3	192.2	12.08	208.0	14.39	226.7	16.94	246.3	18.94	253.6	19.55	263.6	19.99	270.9	20.37
		1123.5	192.2	11.89	208.0	14.15	226.7	16.75	246.3	18.71	253.6	19.40	263.6	19.81	270.9	20.15
	15	299.6	189.9	18.38	205.6	21.38	224.1	24.82	243.5	27.97	250.7	28.68	260.5	29.38	267.8	29.82
		374.5	189.9	18.01	205.6	21.03	224.1	24.43	243.5	27.52	250.7	28.22	260.5	28.91	267.8	29.38
		749.0	189.9	16.54	205.6	19.64	224.1	22.88	243.5	25.74	250.7	26.36	260.5	27.06	267.8	27.60
		936.3	189.9	16.08	205.6	19.17	224.1	22.42	243.5	25.20	250.7	25.90	260.5	26.52	267.8	26.98
		1123.5	189.9	15.85	205.6	18.94	224.1	22.18	243.5	24.93	250.7	25.66	260.5	26.24	267.8	26.67
	20	299.6	187.9	22.40	203.6	26.02	221.8	30.25	240.9	34.10	248.2	34.87	257.8	35.72	265.1	36.34
		374.5	187.9	21.95	203.6	25.59	221.8	29.76	240.9	33.55	248.2	34.32	257.8	35.17	265.1	35.79
		749.0	187.9	20.18	203.6	23.89	221.8	27.83	240.9	31.39	248.2	32.16	257.8	33.01	265.1	33.63
		936.3	187.9	19.64	203.6	23.42	221.8	27.29	240.9	30.77	248.2	31.54	257.8	32.31	265.1	32.85
		1123.5	187.9	19.36	203.6	23.19	221.8	27.02	240.9	30.46	248.2	31.23	257.8	31.96	265.1	32.46
	25	299.6	187.9	27.53	203.6	31.99	221.8	37.25	240.9	41.87	248.2	42.89	257.8	43.99	265.1	44.75
		374.5	187.9	26.98	203.6	31.46	221.8	36.64	240.9	41.20	248.2	42.21	257.8	43.29	265.1	44.06
		749.0	187.9	24.81	203.6	29.38	221.8	34.25	240.9	38.57	248.2	39.50	257.8	40.51	265.1	41.36
		936.3	187.9	24.12	203.6	28.76	221.8	33.55	240.9	37.80	248.2	38.73	257.8	39.73	265.1	40.35
		1123.5	187.9	23.77	203.6	28.45	221.8	33.20	240.9	37.41	248.2	38.34	257.8	39.34	265.1	39.85
	30	299.6	187.9	33.19	203.6	38.66	221.8	45.04	240.9	50.68	248.2	51.84	257.8	53.17	265.1	54.10
		374.5	187.9	32.54	203.6	38.03	221.8	44.29	240.9	49.86	248.2	51.02	257.8	52.33	265.1	53.26
		749.0	187.9	29.99	203.6	35.56	221.8	41.36	240.9	46.61	248.2	47.77	257.8	49.01	265.1	49.94
		936.3	187.9	29.14	203.6	34.79	221.8	40.51	240.9	45.69	248.2	46.85	257.8	48.08	265.1	48.78
		1123.5	187.9	28.71	203.6	34.40	221.8	40.08	240.9	45.22	248.2	46.38	257.8	47.62	265.1	48.19

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	299.6	171.9	34.08	186.3	39.61	202.9	46.12	220.4	51.94	227.1	53.19	235.9	54.41	242.5	55.44
		374.5	171.9	33.40	186.3	38.96	202.9	45.38	220.4	51.10	227.1	52.33	235.9	53.57	242.5	54.58
		749.0	171.9	30.69	186.3	36.41	202.9	42.44	220.4	47.77	227.1	48.93	235.9	50.25	242.5	51.17
		936.3	171.9	29.84	186.3	35.64	202.9	41.59	220.4	46.85	227.1	48.01	235.9	49.24	242.5	50.02
		1123.5	171.9	29.41	186.3	35.25	202.9	41.16	220.4	46.38	227.1	47.54	235.9	48.74	242.5	49.43
	40	299.6	156.0	36.67	169.0	42.58	184.0	49.66	200.2	55.86	206.1	57.19	214.1	58.59	220.0	59.67
		374.5	156.0	35.95	169.0	41.90	184.0	48.86	200.2	54.96	206.1	56.28	214.1	57.67	220.0	58.75
		749.0	156.0	33.09	169.0	39.19	184.0	45.69	200.2	51.41	206.1	52.64	214.1	54.04	220.0	55.12
		936.3	156.0	32.16	169.0	38.34	184.0	44.76	200.2	50.40	206.1	51.72	214.1	53.03	220.0	53.80
		1123.5	156.0	31.69	169.0	37.91	184.0	44.29	200.2	49.90	206.1	51.25	214.1	52.52	220.0	53.14
	45	299.6	140.1	39.26	151.7	45.56	165.1	53.19	179.9	59.78	185.2	61.20	192.2	62.76	197.4	63.90
		374.5	140.1	38.50	151.7	44.84	165.1	52.33	179.9	58.83	185.2	60.22	192.2	61.77	197.4	62.93
		749.0	140.1	35.48	151.7	41.98	165.1	48.93	179.9	55.04	185.2	56.35	192.2	57.82	197.4	59.06
		936.3	140.1	34.48	151.7	41.05	165.1	47.93	179.9	53.96	185.2	55.43	192.2	56.82	197.4	57.59
		1123.5	140.1	33.97	151.7	40.58	165.1	47.42	179.9	53.41	185.2	54.96	192.2	56.31	197.4	56.85
110	10	299.6	181.2	13.08	196.5	15.13	213.8	17.73	232.2	19.91	239.0	20.33	248.6	20.98	255.2	21.27
		374.5	181.2	12.81	196.5	14.89	213.8	17.43	232.2	19.59	239.0	20.03	248.6	20.64	255.2	20.93
		749.0	181.2	11.77	196.5	13.92	213.8	16.23	232.2	18.32	239.0	18.85	248.6	19.30	255.2	19.59
		936.3	181.2	11.47	196.5	13.62	213.8	15.86	232.2	18.03	239.0	18.31	248.6	18.92	255.2	19.14
		1123.5	181.2	11.32	196.5	13.47	213.8	15.67	232.2	17.88	239.0	18.04	248.6	18.73	255.2	18.92
	15	299.6	180.1	17.51	195.2	20.35	212.5	23.74	230.9	26.71	237.8	27.33	247.1	28.05	253.9	28.51
		374.5	180.1	17.16	195.2	20.02	212.5	23.35	230.9	26.28	237.8	26.90	247.1	27.60	253.9	28.06
		749.0	180.1	15.77	195.2	18.71	212.5	21.80	230.9	24.58	237.8	25.20	247.1	25.82	253.9	26.28
		936.3	180.1	15.38	195.2	18.32	212.5	21.34	230.9	24.12	237.8	24.66	247.1	25.36	253.9	25.66
		1123.5	180.1	15.19	195.2	18.13	212.5	21.10	230.9	23.88	237.8	24.39	247.1	25.12	253.9	25.35
	20	299.6	179.2	21.46	194.0	24.99	211.3	29.07	229.8	32.76	236.6	33.56	245.7	34.33	252.8	34.95
		374.5	179.2	21.03	194.0	24.58	211.3	28.60	229.8	32.24	236.6	33.01	245.7	33.78	252.8	34.40
		749.0	179.2	19.33	194.0	22.96	211.3	26.75	229.8	30.15	236.6	30.84	245.7	31.62	252.8	32.24
		936.3	179.2	18.86	194.0	22.50	211.3	26.21	229.8	29.53	236.6	30.30	245.7	31.08	252.8	31.46
		1123.5	179.2	18.63	194.0	22.26	211.3	25.93	229.8	29.22	236.6	30.03	245.7	30.80	252.8	31.07
	25	299.6	179.2	26.25	194.0	30.56	211.3	35.58	229.8	40.07	236.6	41.00	245.7	42.02	252.8	42.79
		374.5	179.2	25.74	194.0	30.07	211.3	35.02	229.8	39.42	236.6	40.35	245.7	41.36	252.8	42.13
		749.0	179.2	23.73	194.0	28.14	211.3	32.78	229.8	36.87	236.6	37.80	245.7	38.73	252.8	39.50
		936.3	179.2	23.04	194.0	27.52	211.3	32.08	229.8	36.18	236.6	37.03	245.7	38.03	252.8	38.50
		1123.5	179.2	22.69	194.0	27.21	211.3	31.73	229.8	35.83	236.6	36.64	245.7	37.68	252.8	37.99
	30	299.6	179.2	32.01	194.0	37.25	211.3	43.37	229.8	48.88	236.6	50.04	245.7	51.20	252.8	52.15
		374.5	179.2	31.39	194.0	36.64	211.3	42.67	229.8	48.08	236.6	49.24	245.7	50.40	252.8	51.33
		749.0	179.2	28.91	194.0	34.25	211.3	39.89	229.8	44.91	236.6	46.07	245.7	47.23	252.8	48.08
		936.3	179.2	28.14	194.0	33.55	211.3	39.12	229.8	44.06	236.6	45.15	245.7	46.30	252.8	46.92
		1123.5	179.2	27.75	194.0	33.20	211.3	38.73	229.8	43.63	236.6	44.68	245.7	45.84	252.8	46.34
	35	299.6	166.9	33.36	180.8	38.74	197.0	45.09	214.1	50.84	220.4	52.01	229.1	53.25	235.5	54.28
		374.5	166.9	32.70	180.8	38.11	197.0	44.37	214.1	50.02	220.4	51.17	229.1	52.41	235.5	53.42
		749.0	166.9	30.07	180.8	35.64	197.0	41.51	214.1	46.77	220.4	47.85	229.1	49.09	235.5	50.02
		936.3	166.9	29.22	180.8	34.86	197.0	40.66	214.1	45.84	220.4	47.00	229.1	48.16	235.5	48.78
		1123.5	166.9	28.79	180.8	34.47	197.0	40.23	214.1	45.37	220.4	46.57	229.1	47.69	235.5	48.16
	40	299.6	154.6	36.59	167.6	42.60	182.4	49.58	198.4	55.78	204.3	57.12	212.3	58.51	218.2	59.61
		374.5	154.6	35.87	167.6	41.90	182.4	48.78	198.4	54.89	204.3	56.20	212.3	57.59	218.2	58.67
		749.0	154.6	33.01	167.6	39.12	182.4	45.61	198.4	51.33	204.3	52.57	212.3	53.96	218.2	54.96
		936.3	154.6	32.08	167.6	38.27	182.4	44.68	198.4	50.32	204.3	51.64	212.3	52.95	218.2	53.57
		1123.5	154.6	31.61	167.6	37.84	182.4	44.21	198.4	49.82	204.3	51.17	212.3	52.45	218.2	52.87
	45	299.6	142.3	39.82	154.4	46.47	167.8	54.06	182.6	60.73	188.1	62.22	195.4	63.77	200.9	64.95
		374.5	142.3	39.04	154.4	45.69	167.8	53.18	182.6	59.76	188.1	61.22	195.4	62.77	200.9	63.93
		749.0	142.3	35.95	154.4	42.59	167.8	49.71	182.6	55.89	188.1	57.28	195.4	58.83	200.9	59.91
		936.3	142.3	34.94	154.4	41.67	167.8	48.70	182.6	54.81	188.1	56.28	195.4	57.75	200.9	58.36
		1123.5	142.3	34.43	154.4	41.20	167.8	48.19	182.6	54.26	188.1	55.77	195.4	57.20	200.9	57.59
100	10	299.6	170.3	12.37	184.5	14.38	200.9	16.51	218.4	18.82	225.0	19.08	233.7	19.73	240.3	20.11
		374.5	170.3	12.13	184.5	14.14	200.9	16.27	218.4	18.52	225.0	18.80	233.7	19.41	240.3	19.79
		749.0	170.3	11.16	184.5	13.16	200.9	15.32	218.4	17.34	225.0	17.70	233.7	18.15	240.3	18.52
		936.3	170.3	10.78	184.5	12.86	200.9	14.94	218.4	16.96	225.0	17.33	233.7	17.77	240.3	17.92
		1123.5	170.3	10.59	184.5	12.71	200.9	14.75	218.4	16.77	225.0	17.14	233.7	17.58	240.3	17.61
	15	299.6	170.3	16.72	184.5	19.41	200.9	22.54	218.4	25.46	225.0	26.00	233.7	26.71	240.3	27.18
		374.5	170.3	16.39	184.5	19.09	200.9	22.19	218.4	25.05	225.0	25.59	233.7	26.28	240.3	26.75
		749.0	170.3	15.07	184.5	17.86	200.9	20.79	218.4	23.42	225.0	23.96	233.7	24.58	240.3	25.05
		936.3	170.3	14.61	184.5	17.47	200.9	20.33	218.4	22.96	225.0	23.50	233.7	24.12	240.3	24.35
		1123.5	170.3	14.38	184.5	17.28	200.9	20.10	218.4	22.73	225.0	23.27	233.7	23.88	240.3	24.00

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	299.6	170.3	20.59	184.5	23.87	200.9	27.89	218.4	31.35	225.0	32.14	233.7	32.92	240.3	33.46
		374.5	170.3	20.18	184.5	23.50	200.9	27.44	218.4	30.84	225.0	31.62	233.7	32.39	240.3	32.93
		749.0	170.3	18.55	184.5	22.03	200.9	25.66	218.4	28.83	225.0	29.53	233.7	30.30	240.3	30.84
		936.3	170.3	18.01	184.5	21.57	200.9	25.12	218.4	28.29	225.0	28.99	233.7	29.76	240.3	30.07
		1123.5	170.3	17.74	184.5	21.33	200.9	24.85	218.4	28.02	225.0	28.72	233.7	29.49	240.3	29.68
	25	299.6	170.3	25.07	184.5	29.15	200.9	33.94	218.4	38.27	225.0	39.22	233.7	40.15	240.3	40.84
		374.5	170.3	24.58	184.5	28.68	200.9	33.40	218.4	37.65	225.0	38.57	233.7	39.50	240.3	40.20
		749.0	170.3	22.65	184.5	26.82	200.9	31.23	218.4	35.17	225.0	36.02	233.7	36.95	240.3	37.65
		936.3	170.3	22.03	184.5	26.28	200.9	30.61	218.4	34.48	225.0	35.33	233.7	36.26	240.3	36.64
		1123.5	170.3	21.72	184.5	26.01	200.9	30.30	218.4	34.13	225.0	34.98	233.7	35.90	240.3	36.14
	30	299.6	170.3	30.83	184.5	35.91	200.9	41.81	218.4	47.07	225.0	48.17	233.7	49.33	240.3	50.27
		374.5	170.3	30.23	184.5	35.33	200.9	41.13	218.4	46.30	225.0	47.39	233.7	48.55	240.3	49.47
		749.0	170.3	27.83	184.5	33.01	200.9	38.42	218.4	43.29	225.0	44.29	233.7	45.45	240.3	46.30
		936.3	170.3	27.06	184.5	32.31	200.9	37.65	218.4	42.44	225.0	43.52	233.7	44.60	240.3	45.07
		1123.5	170.3	26.67	184.5	31.96	200.9	37.26	218.4	42.01	225.0	43.13	233.7	44.18	240.3	44.44
	35	299.6	161.9	32.57	175.4	37.87	190.8	44.07	207.5	49.66	213.6	50.84	222.0	52.07	228.2	53.02
		374.5	161.9	31.93	175.4	37.26	190.8	43.37	207.5	48.86	213.6	50.02	222.0	51.25	228.2	52.18
		749.0	161.9	29.38	175.4	34.86	190.8	40.58	207.5	45.69	213.6	46.77	222.0	48.01	228.2	48.86
		936.3	161.9	28.60	175.4	34.09	190.8	39.73	207.5	44.84	213.6	45.92	222.0	47.08	228.2	47.54
		1123.5	161.9	28.21	175.4	33.70	190.8	39.31	207.5	44.41	213.6	45.49	222.0	46.61	228.2	46.88
	40	299.6	153.3	36.61	166.0	42.50	180.8	49.50	196.5	55.71	202.5	57.04	210.4	58.45	216.1	59.46
		374.5	153.3	35.87	166.0	41.82	180.8	48.70	196.5	54.81	202.5	56.12	210.4	57.51	216.1	58.52
		749.0	153.3	32.93	166.0	39.12	180.8	45.53	196.5	51.25	202.5	52.49	210.4	53.80	216.1	54.81
		936.3	153.3	32.08	166.0	38.27	180.8	44.60	196.5	50.25	202.5	51.48	210.4	52.80	216.1	53.34
		1123.5	153.3	31.65	166.0	37.84	180.8	44.14	196.5	49.74	202.5	50.98	210.4	52.29	216.1	52.60
	45	299.6	144.6	40.65	156.7	47.14	170.8	54.93	185.6	61.76	191.3	63.24	198.8	64.83	204.1	65.89
		374.5	144.6	39.81	156.7	46.38	170.8	54.04	185.6	60.76	191.3	62.23	198.8	63.78	204.1	64.86
		749.0	144.6	36.49	156.7	43.37	170.8	50.48	185.6	56.82	191.3	58.21	198.8	59.60	204.1	60.76
		936.3	144.6	35.56	156.7	42.44	170.8	49.47	185.6	55.66	191.3	57.05	198.8	58.52	204.1	59.14
		1123.5	144.6	35.09	156.7	41.97	170.8	48.97	185.6	55.07	191.3	56.47	198.8	57.97	204.1	58.32
90	10	299.6	153.3	10.52	166.0	12.21	180.8	14.27	196.5	16.16	202.5	16.45	210.4	16.79	216.1	17.32
		374.5	153.3	10.33	166.0	12.04	180.8	14.05	196.5	15.91	202.5	16.20	210.4	16.57	216.1	17.04
		749.0	153.3	9.60	166.0	11.38	180.8	13.16	196.5	14.96	202.5	15.25	210.4	15.70	216.1	15.91
		936.3	153.3	9.30	166.0	11.00	180.8	12.94	196.5	14.49	202.5	14.95	210.4	15.40	216.1	15.38
		1123.5	153.3	9.14	166.0	10.80	180.8	12.83	196.5	14.26	202.5	14.80	210.4	15.25	216.1	15.12
	15	299.6	153.3	14.34	166.0	16.64	180.8	19.41	196.5	21.92	202.5	22.38	210.4	22.92	216.1	23.41
		374.5	153.3	14.07	166.0	16.39	180.8	19.09	196.5	21.57	202.5	22.03	210.4	22.57	216.1	23.04
		749.0	153.3	12.99	166.0	15.38	180.8	17.86	196.5	20.18	202.5	20.64	210.4	21.18	216.1	21.57
		936.3	153.3	12.60	166.0	15.00	180.8	17.55	196.5	19.71	202.5	20.25	210.4	20.79	216.1	20.95
		1123.5	153.3	12.41	166.0	14.80	180.8	17.39	196.5	19.48	202.5	20.06	210.4	20.60	216.1	20.64
	20	299.6	153.3	17.74	166.0	20.59	180.8	23.97	196.5	27.04	202.5	27.66	210.4	28.38	216.1	28.82
		374.5	153.3	17.39	166.0	20.25	180.8	23.58	196.5	26.59	202.5	27.21	210.4	27.91	216.1	28.37
		749.0	153.3	16.00	166.0	18.94	180.8	22.03	196.5	24.81	202.5	25.43	210.4	26.05	216.1	26.59
		936.3	153.3	15.54	166.0	18.55	180.8	21.65	196.5	24.35	202.5	24.97	210.4	25.59	216.1	25.90
		1123.5	153.3	15.30	166.0	18.36	180.8	21.45	196.5	24.12	202.5	24.74	210.4	25.35	216.1	25.55
	25	299.6	153.3	21.61	166.0	25.15	180.8	29.23	196.5	32.92	202.5	33.71	210.4	34.56	216.1	35.20
		374.5	153.3	21.18	166.0	24.74	180.8	28.76	196.5	32.39	202.5	33.16	210.4	34.01	216.1	34.63
		749.0	153.3	19.48	166.0	23.11	180.8	26.90	196.5	30.30	202.5	31.00	210.4	31.85	216.1	32.39
		936.3	153.3	18.94	166.0	22.57	180.8	26.36	196.5	29.68	202.5	30.46	210.4	31.23	216.1	31.54
		1123.5	153.3	18.67	166.0	22.30	180.8	26.09	196.5	29.37	202.5	30.18	210.4	30.92	216.1	31.11
	30	299.6	153.3	26.58	166.0	30.89	180.8	35.99	196.5	40.55	202.5	41.48	210.4	42.50	216.1	43.30
		374.5	153.3	26.05	166.0	30.38	180.8	35.41	196.5	39.89	202.5	40.82	210.4	41.82	216.1	42.59
		749.0	153.3	23.96	166.0	28.37	180.8	33.09	196.5	37.26	202.5	38.19	210.4	39.12	216.1	39.81
		936.3	153.3	23.27	166.0	27.83	180.8	32.39	196.5	36.56	202.5	37.41	210.4	38.42	216.1	38.81
		1123.5	153.3	22.92	166.0	27.56	180.8	32.04	196.5	36.21	202.5	37.03	210.4	38.07	216.1	38.30
	35	299.6	149.2	28.72	161.5	33.32	175.8	38.81	191.1	43.68	196.8	44.71	204.5	45.79	210.2	46.66
		374.5	149.2	28.14	161.5	32.78	175.8	38.19	191.1	42.98	196.8	43.99	204.5	45.07	210.2	45.92
		749.0	149.2	25.82	161.5	30.61	175.8	35.71	191.1	40.20	196.8	41.13	204.5	42.21	210.2	42.98
		936.3	149.2	25.12	161.5	29.99	175.8	34.94	191.1	39.42	196.8	40.43	204.5	41.43	210.2	41.82
		1123.5	149.2	24.77	161.5	29.68	175.8	34.55	191.1	39.04	196.8	40.08	204.5	41.05	210.2	41.24
	40	299.6	144.8	32.98	156.9	38.27	170.8	44.53	185.6	50.22	191.3	51.38	198.6	52.63	204.3	53.56
		374.5	144.8	32.31	156.9	37.65	170.8	43.83	185.6	49.40	191.3	50.56	198.6	51.79	204.3	52.72
		749.0	144.8	29.68	156.9	35.17	170.8	41.05	185.6	46.15	191.3	47.31	198.6	48.47	204.3	49.40
		936.3	144.8	28.83	156.9	34.48	170.8	40.20	185.6	45.30	191.3	46.38	198.6	47.62	204.3	48.08
		1123.5	144.8	28.41	156.9	34.13	170.8	39.77	185.6	44.87	191.3	45.91	198.6	47.19	204.3	47.42

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	299.6	140.5	37.23	152.4	43.22	165.8	50.26	180.1	56.75	185.8	58.05	192.7	59.48	198.4	60.46
		374.5	140.5	36.49	152.4	42.52	165.8	49.47	180.1	55.81	185.8	57.13	192.7	58.52	198.4	59.52
		749.0	140.5	33.55	152.4	39.73	165.8	46.38	180.1	52.10	185.8	53.49	192.7	54.73	198.4	55.81
		936.3	140.5	32.54	152.4	38.96	165.8	45.45	180.1	51.17	185.8	52.33	192.7	53.80	198.4	54.34
		1123.5	140.5	32.04	152.4	38.57	165.8	44.99	180.1	50.71	185.8	51.75	192.7	53.34	198.4	53.60
80	10	299.6	136.2	8.99	147.6	10.23	160.8	11.91	174.7	13.64	179.9	13.81	187.0	14.23	192.2	14.34
		374.5	136.2	8.78	147.6	10.11	160.8	11.74	174.7	13.39	179.9	13.61	187.0	13.98	192.2	14.12
		749.0	136.2	7.95	147.6	9.60	160.8	11.08	174.7	12.42	179.9	12.79	187.0	13.01	192.2	13.23
		936.3	136.2	7.89	147.6	9.30	160.8	10.86	174.7	12.19	179.9	12.41	187.0	12.78	192.2	12.94
		1123.5	136.2	7.87	147.6	9.14	160.8	10.75	174.7	12.08	179.9	12.21	187.0	12.67	192.2	12.79
	15	299.6	136.2	12.08	147.6	13.97	160.8	16.26	174.7	18.40	179.9	18.77	187.0	19.25	192.2	19.56
		374.5	136.2	11.83	147.6	13.76	160.8	16.00	174.7	18.09	179.9	18.48	187.0	18.94	192.2	19.25
		749.0	136.2	10.82	147.6	12.91	160.8	15.00	174.7	16.85	179.9	17.32	187.0	17.70	192.2	18.01
		936.3	136.2	10.59	147.6	12.60	160.8	14.69	174.7	16.54	179.9	16.93	187.0	17.39	192.2	17.55
		1123.5	136.2	10.47	147.6	12.44	160.8	14.53	174.7	16.39	179.9	16.73	187.0	17.24	192.2	17.31
	20	299.6	136.2	14.83	147.6	17.30	160.8	20.12	174.7	22.63	179.9	23.18	187.0	23.72	192.2	24.20
		374.5	136.2	14.53	147.6	17.01	160.8	19.79	174.7	22.26	179.9	22.80	187.0	23.35	192.2	23.81
		749.0	136.2	13.37	147.6	15.85	160.8	18.48	174.7	20.79	179.9	21.34	187.0	21.88	192.2	22.26
		936.3	136.2	12.99	147.6	15.54	160.8	18.09	174.7	20.41	179.9	20.95	187.0	21.49	192.2	21.65
		1123.5	136.2	12.79	147.6	15.38	160.8	17.89	174.7	20.21	179.9	20.75	187.0	21.30	192.2	21.33
	25	299.6	136.2	18.15	147.6	21.07	160.8	24.51	174.7	27.56	179.9	28.30	187.0	28.99	192.2	29.46
		374.5	136.2	17.78	147.6	20.72	160.8	24.12	174.7	27.13	179.9	27.83	187.0	28.53	192.2	28.99
		749.0	136.2	16.31	147.6	19.33	160.8	22.57	174.7	25.43	179.9	25.97	187.0	26.67	192.2	27.13
		936.3	136.2	15.85	147.6	18.94	160.8	22.11	174.7	24.89	179.9	25.51	187.0	26.21	192.2	26.44
		1123.5	136.2	15.61	147.6	18.74	160.8	21.88	174.7	24.62	179.9	25.28	187.0	25.97	192.2	26.09
	30	299.6	136.2	22.23	147.6	25.84	160.8	30.17	174.7	33.94	179.9	34.71	187.0	35.58	192.2	36.30
		374.5	136.2	21.80	147.6	25.43	160.8	29.68	174.7	33.40	179.9	34.17	187.0	35.02	192.2	35.71
		749.0	136.2	20.10	147.6	23.81	160.8	27.75	174.7	31.23	179.9	32.00	187.0	32.78	192.2	33.40
		936.3	136.2	19.56	147.6	23.27	160.8	27.13	174.7	30.61	179.9	31.39	187.0	32.16	192.2	32.54
		1123.5	136.2	19.29	147.6	23.00	160.8	26.82	174.7	30.30	179.9	31.07	187.0	31.85	192.2	32.12
	35	299.6	136.2	24.76	147.6	28.76	160.8	33.46	174.7	37.71	179.9	38.66	187.0	39.61	192.2	40.30
		374.5	136.2	24.27	147.6	28.29	160.8	32.93	174.7	37.11	179.9	38.03	187.0	38.96	192.2	39.66
		749.0	136.2	22.34	147.6	26.44	160.8	30.84	174.7	34.71	179.9	35.56	187.0	36.41	192.2	37.11
		936.3	136.2	21.72	147.6	25.90	160.8	30.23	174.7	34.01	179.9	34.86	187.0	35.79	192.2	36.10
		1123.5	136.2	21.41	147.6	25.62	160.8	29.91	174.7	33.66	179.9	34.51	187.0	35.48	192.2	35.59
	40	299.6	136.2	29.34	147.6	34.12	160.8	39.68	174.7	44.71	179.9	45.73	187.0	46.91	192.2	47.68
		374.5	136.2	28.76	147.6	33.55	160.8	39.04	174.7	43.99	179.9	44.99	187.0	46.15	192.2	46.92
		749.0	136.2	26.44	147.6	31.31	160.8	36.49	174.7	41.13	179.9	42.05	187.0	43.14	192.2	43.91
		936.3	136.2	25.66	147.6	30.69	160.8	35.71	174.7	40.28	179.9	41.28	187.0	42.36	192.2	42.75
		1123.5	136.2	25.28	147.6	30.38	160.8	35.32	174.7	39.85	179.9	40.89	187.0	41.97	192.2	42.16
	45	299.6	136.2	33.92	147.6	39.47	160.8	45.91	174.7	51.71	179.9	52.81	187.0	54.22	192.2	55.07
		374.5	136.2	33.24	147.6	38.81	160.8	45.15	174.7	50.87	179.9	51.95	187.0	53.34	192.2	54.19
		749.0	136.2	30.53	147.6	36.18	160.8	42.13	174.7	47.54	179.9	48.55	187.0	49.86	192.2	50.71
		936.3	136.2	29.61	147.6	35.48	160.8	41.20	174.7	46.54	179.9	47.70	187.0	48.93	192.2	49.40
		1123.5	136.2	29.14	147.6	35.13	160.8	40.74	174.7	46.03	179.9	47.27	187.0	48.47	192.2	48.73
70	10	299.6	119.3	7.34	129.1	8.55	140.7	9.88	152.8	11.14	157.4	11.57	163.5	11.87	168.1	11.91
		374.5	119.3	7.21	129.1	8.40	140.7	9.73	152.8	11.00	157.4	11.38	163.5	11.68	168.1	11.74
		749.0	119.3	6.70	129.1	7.80	140.7	9.14	152.8	10.42	157.4	10.64	163.5	10.94	168.1	11.08
		936.3	119.3	6.55	129.1	7.65	140.7	9.00	152.8	10.11	157.4	10.33	163.5	10.63	168.1	10.78
		1123.5	119.3	6.48	129.1	7.58	140.7	8.92	152.8	9.95	157.4	10.17	163.5	10.47	168.1	10.63
	15	299.6	119.3	10.01	129.1	11.64	140.7	13.51	152.8	15.23	157.4	15.64	163.5	16.02	168.1	16.26
		374.5	119.3	9.82	129.1	11.44	140.7	13.30	152.8	15.00	157.4	15.38	163.5	15.77	168.1	16.00
		749.0	119.3	9.04	129.1	10.67	140.7	12.45	152.8	14.07	157.4	14.38	163.5	14.76	168.1	15.00
		936.3	119.3	8.81	129.1	10.44	140.7	12.21	152.8	13.76	157.4	14.07	163.5	14.46	168.1	14.61
		1123.5	119.3	8.70	129.1	10.32	140.7	12.10	152.8	13.60	157.4	13.91	163.5	14.30	168.1	14.42
	20	299.6	119.3	12.39	129.1	14.38	140.7	16.74	152.8	18.87	157.4	19.25	163.5	19.72	168.1	20.12
		374.5	119.3	12.14	129.1	14.15	140.7	16.47	152.8	18.55	157.4	18.94	163.5	19.40	168.1	19.79
		749.0	119.3	11.13	129.1	13.22	140.7	15.38	152.8	17.32	157.4	17.70	163.5	18.17	168.1	18.48
		936.3	119.3	10.82	129.1	12.91	140.7	15.07	152.8	17.01	157.4	17.39	163.5	17.86	168.1	18.01
		1123.5	119.3	10.67	129.1	12.75	140.7	14.92	152.8	16.85	157.4	17.24	163.5	17.70	168.1	17.78
	25	299.6	119.3	15.06	129.1	17.53	140.7	20.33	152.8	22.94	157.4	23.48	163.5	24.03	168.1	24.51
		374.5	119.3	14.76	129.1	17.24	140.7	20.02	152.8	22.57	157.4	23.11	163.5	23.65	168.1	24.12
		749.0	119.3	13.61	129.1	16.08	140.7	18.78	152.8	21.10	157.4	21.65	163.5	22.19	168.1	22.57
		936.3	119.3	13.22	129.1	15.77	140.7	18.40	152.8	20.72	157.4	21.18	163.5	21.72	168.1	21.95
		1123.5	119.3	13.02	129.1	15.61	140.7	18.20	152.8	20.52	157.4	20.95	163.5	21.49	168.1	21.64

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Outside Units

Cooling Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	299.6	119.3	18.54	129.1	21.53	140.7	25.07	152.8	28.20	157.4	28.92	163.5	29.61	168.1	30.17
		374.5	119.3	18.17	129.1	21.18	140.7	24.66	152.8	27.75	157.4	28.45	163.5	29.14	168.1	29.68
		749.0	119.3	16.70	129.1	19.79	140.7	23.04	152.8	25.97	157.4	26.59	163.5	27.29	168.1	27.75
		936.3	119.3	16.23	129.1	19.40	140.7	22.57	152.8	25.43	157.4	26.13	163.5	26.75	168.1	27.06
		1123.5	119.3	16.00	129.1	19.21	140.7	22.34	152.8	25.16	157.4	25.89	163.5	26.47	168.1	26.71
	35	299.6	119.3	20.59	129.1	23.87	140.7	27.91	152.8	31.35	157.4	32.14	163.5	32.92	168.1	33.46
		374.5	119.3	20.18	129.1	23.50	140.7	27.44	152.8	30.84	157.4	31.62	163.5	32.39	168.1	32.93
		749.0	119.3	18.55	129.1	22.03	140.7	25.59	152.8	28.83	157.4	29.53	163.5	30.30	168.1	30.84
		936.3	119.3	18.01	129.1	21.49	140.7	25.12	152.8	28.29	157.4	28.99	163.5	29.76	168.1	30.07
		1123.5	119.3	17.74	129.1	21.22	140.7	24.89	152.8	28.02	157.4	28.72	163.5	29.49	168.1	29.68
	40	299.6	119.3	24.37	129.1	28.28	140.7	32.99	152.8	37.17	157.4	38.02	163.5	38.97	168.1	39.66
		374.5	119.3	23.89	129.1	27.83	140.7	32.47	152.8	36.56	157.4	37.41	163.5	38.34	168.1	39.04
		749.0	119.3	21.95	129.1	26.05	140.7	30.38	152.8	34.17	157.4	35.02	163.5	35.87	168.1	36.56
		936.3	119.3	21.34	129.1	25.51	140.7	29.68	152.8	33.47	157.4	34.32	163.5	35.25	168.1	35.56
		1123.5	119.3	21.02	129.1	25.24	140.7	29.33	152.8	33.12	157.4	33.97	163.5	34.94	168.1	35.05
	45	299.6	119.3	28.16	129.1	32.69	140.7	38.08	152.8	42.99	157.4	43.90	163.5	45.02	168.1	45.87
		374.5	119.3	27.60	129.1	32.16	140.7	37.49	152.8	42.29	157.4	43.21	163.5	44.29	168.1	45.15
		749.0	119.3	25.36	129.1	30.07	140.7	35.17	152.8	39.50	157.4	40.51	163.5	41.43	168.1	42.29
		936.3	119.3	24.66	129.1	29.53	140.7	34.25	152.8	38.65	157.4	39.66	163.5	40.74	168.1	41.05
		1123.5	119.3	24.31	129.1	29.26	140.7	33.78	152.8	38.22	157.4	39.23	163.5	40.39	168.1	40.42
60	10	299.6	102.3	5.83	110.7	6.80	120.5	7.81	130.9	9.00	135.0	9.24	140.3	9.35	144.2	9.49
		374.5	102.3	5.72	110.7	6.69	120.5	7.72	130.9	8.85	135.0	9.07	140.3	9.22	144.2	9.36
		749.0	102.3	5.28	110.7	6.24	120.5	7.36	130.9	8.25	135.0	8.40	140.3	8.71	144.2	8.85
		936.3	102.3	5.04	110.7	6.17	120.5	7.22	130.9	8.11	135.0	8.25	140.3	8.47	144.2	8.63
		1123.5	102.3	4.93	110.7	6.14	120.5	7.15	130.9	8.03	135.0	8.18	140.3	8.36	144.2	8.52
	15	299.6	102.3	7.96	110.7	9.28	120.5	10.75	130.9	12.18	135.0	12.51	140.3	12.72	144.2	12.95
		374.5	102.3	7.81	110.7	9.12	120.5	10.59	130.9	11.98	135.0	12.29	140.3	12.52	144.2	12.76
		749.0	102.3	7.19	110.7	8.50	120.5	9.97	130.9	11.21	135.0	11.44	140.3	11.75	144.2	11.98
		936.3	102.3	6.96	110.7	8.35	120.5	9.74	130.9	10.98	135.0	11.21	140.3	11.52	144.2	11.67
		1123.5	102.3	6.84	110.7	8.27	120.5	9.62	130.9	10.86	135.0	11.09	140.3	11.40	144.2	11.52
	20	299.6	102.3	9.86	110.7	11.48	120.5	13.36	130.9	15.00	135.0	15.41	140.3	15.71	144.2	16.02
		374.5	102.3	9.66	110.7	11.29	120.5	13.14	130.9	14.76	135.0	15.15	140.3	15.46	144.2	15.77
		749.0	102.3	8.89	110.7	10.51	120.5	12.29	130.9	13.84	135.0	14.15	140.3	14.46	144.2	14.76
		936.3	102.3	8.66	110.7	10.28	120.5	11.98	130.9	13.53	135.0	13.84	140.3	14.22	144.2	14.38
		1123.5	102.3	8.54	110.7	10.16	120.5	11.83	130.9	13.37	135.0	13.68	140.3	14.11	144.2	14.18
	25	299.6	102.3	11.98	110.7	13.99	120.5	16.28	130.9	18.30	135.0	18.69	140.3	19.15	144.2	19.56
		374.5	102.3	11.75	110.7	13.76	120.5	16.00	130.9	18.01	135.0	18.40	140.3	18.86	144.2	19.25
		749.0	102.3	10.82	110.7	12.83	120.5	14.92	130.9	16.85	135.0	17.24	140.3	17.70	144.2	18.01
		936.3	102.3	10.51	110.7	12.52	120.5	14.61	130.9	16.47	135.0	16.93	140.3	17.32	144.2	17.55
		1123.5	102.3	10.36	110.7	12.37	120.5	14.45	130.9	16.27	135.0	16.77	140.3	17.12	144.2	17.31
	30	299.6	102.3	14.75	110.7	17.13	120.5	19.95	130.9	22.46	135.0	23.02	140.3	23.56	144.2	24.05
		374.5	102.3	14.46	110.7	16.85	120.5	19.64	130.9	22.11	135.0	22.65	140.3	23.19	144.2	23.65
		749.0	102.3	13.30	110.7	15.77	120.5	18.40	130.9	20.72	135.0	21.18	140.3	21.72	144.2	22.11
		936.3	102.3	12.91	110.7	15.46	120.5	18.01	130.9	20.33	135.0	20.79	140.3	21.34	144.2	21.57
		1123.5	102.3	12.71	110.7	15.30	120.5	17.82	130.9	20.14	135.0	20.60	140.3	21.14	144.2	21.30
	35	299.6	102.3	16.41	110.7	19.10	120.5	22.25	130.9	24.97	135.0	25.61	140.3	26.25	144.2	26.71
		374.5	102.3	16.08	110.7	18.78	120.5	21.88	130.9	24.58	135.0	25.20	140.3	25.82	144.2	26.28
		749.0	102.3	14.76	110.7	17.55	120.5	20.41	130.9	23.04	135.0	23.58	140.3	24.12	144.2	24.58
		936.3	102.3	14.38	110.7	17.16	120.5	20.02	130.9	22.57	135.0	23.11	140.3	23.73	144.2	23.96
		1123.5	102.3	14.18	110.7	16.97	120.5	19.83	130.9	22.34	135.0	22.88	140.3	23.54	144.2	23.65
	40	299.6	102.3	19.39	110.7	22.54	120.5	26.33	130.9	29.63	135.0	30.33	140.3	31.02	144.2	31.66
		374.5	102.3	19.02	110.7	22.19	120.5	25.90	130.9	29.14	135.0	29.84	140.3	30.53	144.2	31.15
		749.0	102.3	17.55	110.7	20.79	120.5	24.20	130.9	27.21	135.0	27.91	140.3	28.60	144.2	29.14
		936.3	102.3	17.01	110.7	20.33	120.5	23.73	130.9	26.67	135.0	27.37	140.3	28.06	144.2	28.37
		1123.5	102.3	16.73	110.7	20.10	120.5	23.50	130.9	26.40	135.0	27.09	140.3	27.79	144.2	27.98
	45	299.6	102.3	22.36	110.7	25.98	120.5	30.40	130.9	34.29	135.0	35.04	140.3	35.80	144.2	36.61
		374.5	102.3	21.95	110.7	25.59	120.5	29.92	130.9	33.70	135.0	34.48	140.3	35.25	144.2	36.02
		749.0	102.3	20.33	110.7	24.04	120.5	27.98	130.9	31.39	135.0	32.24	140.3	33.09	144.2	33.70
		936.3	102.3	19.64	110.7	23.50	120.5	27.44	130.9	30.77	135.0	31.62	140.3	32.39	144.2	32.78
		1123.5	102.3	19.28	110.7	23.23	120.5	27.17	130.9	30.46	135.0	31.31	140.3	32.04	144.2	32.31
50	10	299.6	85.2	4.33	92.2	5.05	100.4	6.08	109.3	6.63	112.5	6.76	116.8	7.05	120.0	7.10
		374.5	85.2	4.23	92.2	4.98	100.4	5.96	109.3	6.54	112.5	6.69	116.8	6.92	120.0	6.99
		749.0	85.2	3.86	92.2	4.69	100.4	5.51	109.3	6.17	112.5	6.41	116.8	6.39	120.0	6.54
		936.3	85.2	3.79	92.2	4.70	100.4	5.35	109.3	6.02	112.5	6.09	116.8	6.32	120.0	6.31
		1123.5	85.2	3.75	92.2	4.70	100.4	5.28	109.3	5.94	112.5	5.93	116.8	6.29	120.0	6.19

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	299.6	85.2	5.91	92.2	6.92	100.4	8.10	109.3	9.03	112.5	9.26	116.8	9.51	120.0	9.66
		374.5	85.2	5.80	92.2	6.80	100.4	7.96	109.3	8.89	112.5	9.12	116.8	9.35	120.0	9.51
		749.0	85.2	5.33	92.2	6.34	100.4	7.42	109.3	8.35	112.5	8.58	116.8	8.74	120.0	8.89
		936.3	85.2	5.18	92.2	6.26	100.4	7.27	109.3	8.19	112.5	8.35	116.8	8.58	120.0	8.66
		1123.5	85.2	5.10	92.2	6.22	100.4	7.19	109.3	8.12	112.5	8.23	116.8	8.50	120.0	8.54
	20	299.6	85.2	7.33	92.2	8.58	100.4	9.90	109.3	11.15	112.5	11.48	116.8	11.69	120.0	11.95
		374.5	85.2	7.19	92.2	8.43	100.4	9.74	109.3	10.98	112.5	11.29	116.8	11.52	120.0	11.75
		749.0	85.2	6.65	92.2	7.81	100.4	9.12	109.3	10.28	112.5	10.51	116.8	10.82	120.0	10.98
		936.3	85.2	6.42	92.2	7.65	100.4	8.97	109.3	10.13	112.5	10.36	116.8	10.59	120.0	10.75
		1123.5	85.2	6.30	92.2	7.58	100.4	8.89	109.3	10.05	112.5	10.28	116.8	10.47	120.0	10.63
	25	299.6	85.2	8.91	92.2	10.36	100.4	12.10	109.3	13.69	112.5	13.99	116.8	14.30	120.0	14.52
		374.5	85.2	8.74	92.2	10.20	100.4	11.90	109.3	13.45	112.5	13.76	116.8	14.07	120.0	14.30
		749.0	85.2	8.04	92.2	9.59	100.4	11.13	109.3	12.52	112.5	12.83	116.8	13.14	120.0	13.45
		936.3	85.2	7.81	92.2	9.35	100.4	10.90	109.3	12.29	112.5	12.60	116.8	12.91	120.0	13.06
		1123.5	85.2	7.69	92.2	9.24	100.4	10.78	109.3	12.17	112.5	12.48	116.8	12.79	120.0	12.87
	30	299.6	85.2	11.06	92.2	12.82	100.4	14.94	109.3	16.82	112.5	17.22	116.8	17.59	120.0	17.92
		374.5	85.2	10.82	92.2	12.60	100.4	14.69	109.3	16.54	112.5	16.93	116.8	17.32	120.0	17.63
		749.0	85.2	9.89	92.2	11.75	100.4	13.68	109.3	15.46	112.5	15.77	116.8	16.23	120.0	16.47
		936.3	85.2	9.66	92.2	11.52	100.4	13.45	109.3	15.15	112.5	15.54	116.8	15.92	120.0	16.08
		1123.5	85.2	9.55	92.2	11.40	100.4	13.33	109.3	15.00	112.5	15.42	116.8	15.77	120.0	15.88
	35	299.6	85.2	12.22	92.2	14.23	100.4	16.58	109.3	18.61	112.5	19.10	116.8	19.56	120.0	19.87
		374.5	85.2	11.98	92.2	13.99	100.4	16.31	109.3	18.32	112.5	18.78	116.8	19.25	120.0	19.56
		749.0	85.2	11.05	92.2	13.06	100.4	15.23	109.3	17.16	112.5	17.55	116.8	18.01	120.0	18.32
		936.3	85.2	10.75	92.2	12.83	100.4	14.92	109.3	16.85	112.5	17.24	116.8	17.70	120.0	17.86
		1123.5	85.2	10.59	92.2	12.72	100.4	14.76	109.3	16.70	112.5	17.08	116.8	17.55	120.0	17.62
	40	299.6	85.2	14.52	92.2	16.82	100.4	19.66	109.3	22.07	112.5	22.63	116.8	23.18	120.0	23.56
		374.5	85.2	14.22	92.2	16.54	100.4	19.33	109.3	21.72	112.5	22.26	116.8	22.80	120.0	23.19
		749.0	85.2	13.06	92.2	15.46	100.4	18.01	109.3	20.33	112.5	20.79	116.8	21.34	120.0	21.72
		936.3	85.2	12.68	92.2	15.15	100.4	17.70	109.3	19.94	112.5	20.41	116.8	20.95	120.0	21.10
		1123.5	85.2	12.48	92.2	15.00	100.4	17.55	109.3	19.75	112.5	20.21	116.8	20.75	120.0	20.79
	45	299.6	85.2	16.82	92.2	19.41	100.4	22.73	109.3	25.53	112.5	26.17	116.8	26.79	120.0	27.25
		374.5	85.2	16.47	92.2	19.09	100.4	22.34	109.3	25.12	112.5	25.74	116.8	26.36	120.0	26.82
		749.0	85.2	15.07	92.2	17.86	100.4	20.79	109.3	23.50	112.5	24.04	116.8	24.66	120.0	25.12
		936.3	85.2	14.61	92.2	17.47	100.4	20.49	109.3	23.04	112.5	23.58	116.8	24.20	120.0	24.35
		1123.5	85.2	14.38	92.2	17.28	100.4	20.33	109.3	22.80	112.5	23.34	116.8	23.96	120.0	23.96

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(80HP)

ARWN800LAS4

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	307.2	208.3	15.03	225.6	17.64	245.5	20.53	266.7	23.02	274.9	23.54	285.7	24.31	293.7	24.65
		384.0	208.3	14.76	225.6	17.32	245.5	20.18	266.7	22.65	274.9	23.19	285.7	23.90	293.7	24.28
		768.0	208.3	13.69	225.6	16.07	245.5	18.78	266.7	21.18	274.9	21.81	285.7	22.26	293.7	22.81
		960.0	208.3	13.30	225.6	15.85	245.5	18.48	266.7	20.71	274.9	21.34	285.7	21.88	293.7	22.18
		1152.0	208.3	13.10	225.6	15.74	245.5	18.33	266.7	20.47	274.9	21.10	285.7	21.69	293.7	21.86
	15	307.2	204.8	19.82	221.9	23.10	241.5	26.92	262.5	30.24	270.5	30.96	281.0	31.79	288.9	32.32
		384.0	204.8	19.44	221.9	22.72	241.5	26.48	262.5	29.76	270.5	30.48	281.0	31.28	288.9	31.84
		768.0	204.8	17.92	221.9	21.20	241.5	24.72	262.5	27.84	270.5	28.56	281.0	29.28	288.9	29.92
		960.0	204.8	17.44	221.9	20.80	241.5	24.24	262.5	27.28	270.5	28.00	281.0	28.72	288.9	29.20
		1152.0	204.8	17.20	221.9	20.60	241.5	24.00	262.5	27.00	270.5	27.72	281.0	28.44	288.9	28.84
	20	307.2	201.8	24.08	218.6	27.96	238.0	32.61	258.8	36.67	266.5	37.57	276.8	38.43	284.7	39.15
		384.0	201.8	23.60	218.6	27.52	238.0	32.08	258.8	36.08	266.5	36.96	276.8	37.84	284.7	38.56
		768.0	201.8	21.68	218.6	25.76	238.0	30.00	258.8	33.76	266.5	34.56	276.8	35.52	284.7	36.24
		960.0	201.8	21.12	218.6	25.20	238.0	29.36	258.8	33.12	266.5	33.92	276.8	34.80	284.7	35.44
		1152.0	201.8	20.84	218.6	24.92	238.0	29.04	258.8	32.80	266.5	33.60	276.8	34.44	284.7	35.04
	25	307.2	201.8	29.71	218.6	34.47	238.0	40.17	258.8	45.31	266.5	46.35	276.8	47.45	284.7	48.25
		384.0	201.8	29.12	218.6	33.92	238.0	39.52	258.8	44.56	266.5	45.60	276.8	46.72	284.7	47.52
		768.0	201.8	26.80	218.6	31.76	238.0	36.96	258.8	41.60	266.5	42.64	276.8	43.84	284.7	44.64
		960.0	201.8	26.00	218.6	31.04	238.0	36.24	258.8	40.80	266.5	41.84	276.8	42.96	284.7	43.68
		1152.0	201.8	25.60	218.6	30.68	238.0	35.88	258.8	40.40	266.5	41.44	276.8	42.52	284.7	43.20
	30	307.2	201.8	35.69	218.6	41.39	238.0	48.21	258.8	54.33	266.5	55.61	276.8	56.97	284.7	57.91
		384.0	201.8	34.96	218.6	40.72	238.0	47.44	258.8	53.44	266.5	54.72	276.8	56.08	284.7	57.04
		768.0	201.8	32.08	218.6	38.08	238.0	44.40	258.8	49.92	266.5	51.20	276.8	52.56	284.7	53.60
		960.0	201.8	31.20	218.6	37.28	238.0	43.44	258.8	48.96	266.5	50.24	276.8	51.52	284.7	52.40
		1152.0	201.8	30.76	218.6	36.88	238.0	42.96	258.8	48.48	266.5	49.76	276.8	51.00	284.7	51.80
	35	307.2	181.7	35.99	196.7	41.89	214.2	48.79	232.9	54.87	239.9	56.27	249.2	57.63	256.2	58.55
		384.0	181.7	35.28	196.7	41.20	214.2	48.00	232.9	54.00	239.9	55.36	249.2	56.72	256.2	57.68
		768.0	181.7	32.48	196.7	38.48	214.2	44.88	232.9	50.56	239.9	51.76	249.2	53.12	256.2	54.24
		960.0	181.7	31.60	196.7	37.68	214.2	43.92	232.9	49.52	239.9	50.80	249.2	52.08	256.2	52.96
		1152.0	181.7	31.16	196.7	37.28	214.2	43.44	232.9	49.00	239.9	50.32	249.2	51.56	256.2	52.31
	40	307.2	161.4	38.05	174.9	44.15	190.4	51.47	206.9	57.89	213.3	59.25	221.4	60.69	227.7	61.81
		384.0	161.4	37.28	174.9	43.44	190.4	50.64	206.9	56.96	213.3	58.32	221.4	59.76	227.7	60.88
		768.0	161.4	34.24	174.9	40.64	190.4	47.36	206.9	53.28	213.3	54.64	221.4	56.08	227.7	57.20
		960.0	161.4	33.28	174.9	39.76	190.4	46.32	206.9	52.24	213.3	53.60	221.4	54.96	227.7	55.92
		1152.0	161.4	32.80	174.9	39.32	190.4	45.80	206.9	51.72	213.3	53.08	221.4	54.40	227.7	55.27
	45	307.2	141.1	40.11	153.2	46.41	166.5	54.15	181.0	60.91	186.6	62.23	193.6	63.75	199.2	65.07
		384.0	141.1	39.28	153.2	45.68	166.5	53.28	181.0	59.92	186.6	61.28	193.6	62.80	199.2	64.08
		768.0	141.1	36.00	153.2	42.80	166.5	49.84	181.0	56.00	186.6	57.52	193.6	59.04	199.2	60.16
		960.0	141.1	34.96	153.2	41.84	166.5	48.72	181.0	54.96	186.6	56.40	193.6	57.84	199.2	58.88
		1152.0	141.1	34.44	153.2	41.36	166.5	48.16	181.0	54.44	186.6	55.84	193.6	57.24	199.2	58.23
120	10	307.2	197.2	14.34	213.3	16.72	232.5	19.36	252.6	21.81	260.1	22.48	270.4	23.02	277.8	23.28
		384.0	197.2	14.05	213.3	16.45	232.5	19.07	252.6	21.46	260.1	22.09	270.4	22.63	277.8	22.93
		768.0	197.2	12.89	213.3	15.37	232.5	17.92	252.6	20.07	260.1	20.53	270.4	21.07	277.8	21.54
		960.0	197.2	12.50	213.3	14.89	232.5	17.53	252.6	19.60	260.1	20.23	270.4	20.69	277.8	21.08
		1152.0	197.2	12.30	213.3	14.65	232.5	17.33	252.6	19.36	260.1	20.08	270.4	20.50	277.8	20.85
	15	307.2	194.8	19.02	210.9	22.12	229.8	25.68	249.7	28.94	257.2	29.68	267.2	30.40	274.7	30.86
		384.0	194.8	18.64	210.9	21.76	229.8	25.28	249.7	28.48	257.2	29.20	267.2	29.92	274.7	30.40
		768.0	194.8	17.12	210.9	20.32	229.8	23.68	249.7	26.64	257.2	27.28	267.2	28.00	274.7	28.56
		960.0	194.8	16.64	210.9	19.84	229.8	23.20	249.7	26.08	257.2	26.80	267.2	27.44	274.7	27.92
		1152.0	194.8	16.40	210.9	19.60	229.8	22.96	249.7	25.80	257.2	26.56	267.2	27.16	274.7	27.60
	20	307.2	192.7	23.18	208.8	26.92	227.5	31.31	247.1	35.29	254.6	36.09	264.4	36.97	271.9	37.61
		384.0	192.7	22.72	208.8	26.48	227.5	30.80	247.1	34.72	254.6	35.52	264.4	36.40	271.9	37.04
		768.0	192.7	20.88	208.8	24.72	227.5	28.80	247.1	32.48	254.6	33.28	264.4	34.16	271.9	34.80
		960.0	192.7	20.32	208.8	24.24	227.5	28.24	247.1	31.84	254.6	32.64	264.4	33.44	271.9	34.00
		1152.0	192.7	20.04	208.8	24.00	227.5	27.96	247.1	31.52	254.6	32.32	264.4	33.08	271.9	33.60
	25	307.2	192.7	28.49	208.8	33.11	227.5	38.55	247.1	43.33	254.6	44.39	264.4	45.53	271.9	46.31
		384.0	192.7	27.92	208.8	32.56	227.5	37.92	247.1	42.64	254.6	43.68	264.4	44.80	271.9	45.60
		768.0	192.7	25.68	208.8	30.40	227.5	35.44	247.1	39.92	254.6	40.88	264.4	41.92	271.9	42.80
		960.0	192.7	24.96	208.8	29.76	227.5	34.72	247.1	39.12	254.6	40.08	264.4	41.12	271.9	41.76
		1152.0	192.7	24.60	208.8	29.44	227.5	34.36	247.1	38.72	254.6	39.68	264.4	40.72	271.9	41.24
	30	307.2	192.7	34.35	208.8	40.01	227.5	46.61	247.1	52.45	254.6	53.65	264.4	55.03	271.9	55.99
		384.0	192.7	33.68	208.8	39.36	227.5	45.84	247.1	51.60	254.6	52.80	264.4	54.16	271.9	55.12
		768.0	192.7	31.04	208.8	36.80	227.5	42.80	247.1	48.24	254.6	49.44	264.4	50.72	271.9	51.68
		960.0	192.7	30.16	208.8	36.00	227.5	41.92	247.1	47.28	254.6	48.48	264.4	49.76	271.9	50.48
		1152.0	192.7	29.72	208.8	35.60	227.5	41.48	247.1	46.80	254.6	48.00	264.4	49.28	271.9	49.88

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	35	307.2	176.4	35.27	191.1	40.99	208.1	47.73	226.1	53.75	232.9	55.05	242.0	56.31	248.8	57.37
		384.0	176.4	34.56	191.1	40.32	208.1	46.96	226.1	52.88	232.9	54.16	242.0	55.44	248.8	56.48
		768.0	176.4	31.76	191.1	37.68	208.1	43.92	226.1	49.44	232.9	50.64	242.0	52.00	248.8	52.96
		960.0	176.4	30.88	191.1	36.88	208.1	43.04	226.1	48.48	232.9	49.68	242.0	50.96	248.8	51.76
		1152.0	176.4	30.44	191.1	36.48	208.1	42.60	226.1	48.00	232.9	49.20	242.0	50.44	248.8	51.16
	40	307.2	160.0	37.95	173.3	44.07	188.7	51.39	205.3	57.81	211.4	59.19	219.6	60.63	225.6	61.75
		384.0	160.0	37.20	173.3	43.36	188.7	50.56	205.3	56.88	211.4	58.24	219.6	59.68	225.6	60.80
		768.0	160.0	34.24	173.3	40.56	188.7	47.28	205.3	53.20	211.4	54.48	219.6	55.92	225.6	57.04
		960.0	160.0	33.28	173.3	39.68	188.7	46.32	205.3	52.16	211.4	53.52	219.6	54.88	225.6	55.68
		1152.0	160.0	32.80	173.3	39.24	188.7	45.84	205.3	51.64	211.4	53.04	219.6	54.36	225.6	54.99
	45	307.2	143.6	40.63	155.6	47.15	169.3	55.05	184.5	61.87	189.9	63.33	197.1	64.95	202.5	66.13
		384.0	143.6	39.84	155.6	46.40	169.3	54.16	184.5	60.88	189.9	62.32	197.1	63.92	202.5	65.12
		768.0	143.6	36.72	155.6	43.44	169.3	50.64	184.5	56.96	189.9	58.32	197.1	59.84	202.5	61.12
		960.0	143.6	35.68	155.6	42.48	169.3	49.60	184.5	55.84	189.9	57.36	197.1	58.80	202.5	59.60
		1152.0	143.6	35.16	155.6	42.00	169.3	49.08	184.5	55.28	189.9	56.88	197.1	58.28	202.5	58.83
110	10	307.2	185.8	13.53	201.5	15.66	219.2	18.35	238.2	20.60	245.2	21.04	255.0	21.71	261.8	22.01
		384.0	185.8	13.26	201.5	15.41	219.2	18.04	238.2	20.27	245.2	20.73	255.0	21.36	261.8	21.66
		768.0	185.8	12.18	201.5	14.41	219.2	16.80	238.2	18.96	245.2	19.51	255.0	19.97	261.8	20.27
		960.0	185.8	11.87	201.5	14.10	219.2	16.41	238.2	18.66	245.2	18.95	255.0	19.58	261.8	19.81
		1152.0	185.8	11.71	201.5	13.94	219.2	16.21	238.2	18.51	245.2	18.67	255.0	19.38	261.8	19.58
	15	307.2	184.8	18.12	200.2	21.06	217.9	24.56	236.8	27.64	243.9	28.28	253.4	29.02	260.4	29.50
		384.0	184.8	17.76	200.2	20.72	217.9	24.16	236.8	27.20	243.9	27.84	253.4	28.56	260.4	29.04
		768.0	184.8	16.32	200.2	19.36	217.9	22.56	236.8	25.44	243.9	26.08	253.4	26.72	260.4	27.20
		960.0	184.8	15.92	200.2	18.96	217.9	22.08	236.8	24.96	243.9	25.52	253.4	26.24	260.4	26.56
		1152.0	184.8	15.72	200.2	18.76	217.9	21.84	236.8	24.72	243.9	25.24	253.4	26.00	260.4	26.24
	20	307.2	183.8	22.20	199.0	25.86	216.8	30.08	235.7	33.91	242.7	34.73	252.0	35.53	259.3	36.17
		384.0	183.8	21.76	199.0	25.44	216.8	29.60	235.7	33.36	242.7	34.16	252.0	34.96	259.3	35.60
		768.0	183.8	20.00	199.0	23.76	216.8	27.68	235.7	31.20	242.7	31.92	252.0	32.72	259.3	33.36
		960.0	183.8	19.52	199.0	23.28	216.8	27.12	235.7	30.56	242.7	31.36	252.0	32.16	259.3	32.56
		1152.0	183.8	19.28	199.0	23.04	216.8	26.84	235.7	30.24	242.7	31.08	252.0	31.88	259.3	32.16
	25	307.2	183.8	27.17	199.0	31.63	216.8	36.83	235.7	41.47	242.7	42.43	252.0	43.49	259.3	44.29
		384.0	183.8	26.64	199.0	31.12	216.8	36.24	235.7	40.80	242.7	41.76	252.0	42.80	259.3	43.60
		768.0	183.8	24.56	199.0	29.12	216.8	33.92	235.7	38.16	242.7	39.12	252.0	40.08	259.3	40.88
		960.0	183.8	23.84	199.0	28.48	216.8	33.20	235.7	37.44	242.7	38.32	252.0	39.36	259.3	39.84
		1152.0	183.8	23.48	199.0	28.16	216.8	32.84	235.7	37.08	242.7	37.92	252.0	39.00	259.3	39.32
	30	307.2	183.8	33.13	199.0	38.55	216.8	44.89	235.7	50.59	242.7	51.79	252.0	52.99	259.3	53.97
		384.0	183.8	32.48	199.0	37.92	216.8	44.16	235.7	49.76	242.7	50.96	252.0	52.16	259.3	53.12
		768.0	183.8	29.92	199.0	35.44	216.8	41.28	235.7	46.48	242.7	47.68	252.0	48.88	259.3	49.76
		960.0	183.8	29.12	199.0	34.72	216.8	40.48	235.7	45.60	242.7	46.72	252.0	47.92	259.3	48.56
		1152.0	183.8	28.72	199.0	34.36	216.8	40.08	235.7	45.16	242.7	46.24	252.0	47.44	259.3	47.96
	35	307.2	171.2	34.53	185.5	40.09	202.0	46.67	219.6	52.61	226.1	53.83	235.0	55.11	241.5	56.17
		384.0	171.2	33.84	185.5	39.44	202.0	45.92	219.6	51.76	226.1	52.96	235.0	54.24	241.5	55.28
		768.0	171.2	31.12	185.5	36.88	202.0	42.96	219.6	48.40	226.1	49.52	235.0	50.80	241.5	51.76
		960.0	171.2	30.24	185.5	36.08	202.0	42.08	219.6	47.44	226.1	48.64	235.0	49.84	241.5	50.48
		1152.0	171.2	29.80	185.5	35.68	202.0	41.64	219.6	46.96	226.1	48.20	235.0	49.36	241.5	49.83
	40	307.2	158.6	37.87	171.9	44.09	187.1	51.31	203.4	57.73	209.5	59.11	217.7	60.55	223.8	61.69
		384.0	158.6	37.12	171.9	43.36	187.1	50.48	203.4	56.80	209.5	58.16	217.7	59.60	223.8	60.72
		768.0	158.6	34.16	171.9	40.48	187.1	47.20	203.4	53.12	209.5	54.40	217.7	55.84	223.8	56.88
		960.0	158.6	33.20	171.9	39.60	187.1	46.24	203.4	52.08	209.5	53.44	217.7	54.80	223.8	55.44
		1152.0	158.6	32.72	171.9	39.16	187.1	45.76	203.4	51.56	209.5	52.96	217.7	54.28	223.8	54.71
	45	307.2	146.0	41.21	158.4	48.09	172.1	55.95	187.3	62.85	192.9	64.39	200.4	65.99	206.0	67.21
		384.0	146.0	40.40	158.4	47.28	172.1	55.04	187.3	61.84	192.9	63.36	200.4	64.96	206.0	66.16
		768.0	146.0	37.20	158.4	44.08	172.1	51.44	187.3	57.84	192.9	59.28	200.4	60.88	206.0	62.00
		960.0	146.0	36.16	158.4	43.12	172.1	50.40	187.3	56.72	192.9	58.24	200.4	59.76	206.0	60.40
		1152.0	146.0	35.64	158.4	42.64	172.1	49.88	187.3	56.16	192.9	57.72	200.4	59.20	206.0	59.59
100	10	307.2	174.7	12.80	189.2	14.89	206.0	17.09	224.0	19.48	230.8	19.75	239.6	20.42	246.4	20.81
		384.0	174.7	12.55	189.2	14.63	206.0	16.84	224.0	19.17	230.8	19.46	239.6	20.09	246.4	20.48
		768.0	174.7	11.55	189.2	13.62	206.0	15.85	224.0	17.94	230.8	18.32	239.6	18.78	246.4	19.17
		960.0	174.7	11.16	189.2	13.31	206.0	15.46	224.0	17.55	230.8	17.93	239.6	18.39	246.4	18.54
		1152.0	174.7	10.96	189.2	13.15	206.0	15.26	224.0	17.35	230.8	17.73	239.6	18.19	246.4	18.22
	15	307.2	174.7	17.30	189.2	20.08	206.0	23.32	224.0	26.34	230.8	26.90	239.6	27.64	246.4	28.12
		384.0	174.7	16.96	189.2	19.76	206.0	22.96	224.0	25.92	230.8	26.48	239.6	27.20	246.4	27.68
		768.0	174.7	15.60	189.2	18.48	206.0	21.52	224.0	24.24	230.8	24.80	239.6	25.44	246.4	25.92
		960.0	174.7	15.12	189.2	18.08	206.0	21.04	224.0	23.76	230.8	24.32	239.6	24.96	246.4	25.20
		1152.0	174.7	14.88	189.2	17.88	206.0	20.80	224.0	23.52	230.8	24.08	239.6	24.72	246.4	24.84

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	20	307.2	174.7	21.30	189.2	24.70	206.0	28.86	224.0	32.45	230.8	33.27	239.6	34.07	246.4	34.63
		384.0	174.7	20.88	189.2	24.32	206.0	28.40	224.0	31.92	230.8	32.72	239.6	33.52	246.4	34.08
		768.0	174.7	19.20	189.2	22.80	206.0	26.56	224.0	29.84	230.8	30.56	239.6	31.36	246.4	31.92
		960.0	174.7	18.64	189.2	22.32	206.0	26.00	224.0	29.28	230.8	30.00	239.6	30.80	246.4	31.12
		1152.0	174.7	18.36	189.2	22.08	206.0	25.72	224.0	29.00	230.8	29.72	239.6	30.52	246.4	30.72
	25	307.2	174.7	25.95	189.2	30.16	206.0	35.13	224.0	39.61	230.8	40.59	239.6	41.55	246.4	42.27
		384.0	174.7	25.44	189.2	29.68	206.0	34.56	224.0	38.96	230.8	39.92	239.6	40.88	246.4	41.60
		768.0	174.7	23.44	189.2	27.76	206.0	32.32	224.0	36.40	230.8	37.28	239.6	38.24	246.4	38.96
		960.0	174.7	22.80	189.2	27.20	206.0	31.68	224.0	35.68	230.8	36.56	239.6	37.52	246.4	37.92
		1152.0	174.7	22.48	189.2	26.92	206.0	31.36	224.0	35.32	230.8	36.20	239.6	37.16	246.4	37.40
	30	307.2	174.7	31.91	189.2	37.17	206.0	43.27	224.0	48.71	230.8	49.85	239.6	51.05	246.4	52.03
		384.0	174.7	31.28	189.2	36.56	206.0	42.56	224.0	47.92	230.8	49.04	239.6	50.24	246.4	51.20
		768.0	174.7	28.80	189.2	34.16	206.0	39.76	224.0	44.80	230.8	45.84	239.6	47.04	246.4	47.92
		960.0	174.7	28.00	189.2	33.44	206.0	38.96	224.0	43.92	230.8	45.04	239.6	46.16	246.4	46.64
		1152.0	174.7	27.60	189.2	33.08	206.0	38.56	224.0	43.48	230.8	44.64	239.6	45.72	246.4	45.99
	35	307.2	166.1	33.71	179.9	39.19	195.7	45.61	212.8	51.39	219.1	52.61	227.7	53.89	234.0	54.87
		384.0	166.1	33.04	179.9	38.56	195.7	44.88	212.8	50.56	219.1	51.76	227.7	53.04	234.0	54.00
		768.0	166.1	30.40	179.9	36.08	195.7	42.00	212.8	47.28	219.1	48.40	227.7	49.68	234.0	50.56
		960.0	166.1	29.60	179.9	35.28	195.7	41.12	212.8	46.40	219.1	47.52	227.7	48.72	234.0	49.20
		1152.0	166.1	29.20	179.9	34.88	195.7	40.68	212.8	45.96	219.1	47.08	227.7	48.24	234.0	48.51
	40	307.2	157.2	37.89	170.3	43.99	185.5	51.23	201.6	57.65	207.6	59.03	215.8	60.49	221.7	61.53
		384.0	157.2	37.12	170.3	43.28	185.5	50.40	201.6	56.72	207.6	58.08	215.8	59.52	221.7	60.56
		768.0	157.2	34.08	170.3	40.48	185.5	47.12	201.6	53.04	207.6	54.32	215.8	55.68	221.7	56.72
		960.0	157.2	33.20	170.3	39.60	185.5	46.16	201.6	52.00	207.6	53.28	215.8	54.64	221.7	55.20
		1152.0	157.2	32.76	170.3	39.16	185.5	45.68	201.6	51.48	207.6	52.76	215.8	54.12	221.7	54.43
	45	307.2	148.3	42.07	160.7	48.79	175.2	56.85	190.4	63.91	196.2	65.45	203.9	67.09	209.3	68.19
		384.0	148.3	41.20	160.7	48.00	175.2	55.92	190.4	62.88	196.2	64.40	203.9	66.00	209.3	67.12
		768.0	148.3	37.76	160.7	44.88	175.2	52.24	190.4	58.80	196.2	60.24	203.9	61.68	209.3	62.88
		960.0	148.3	36.80	160.7	43.92	175.2	51.20	190.4	57.60	196.2	59.04	203.9	60.56	209.3	61.20
		1152.0	148.3	36.32	160.7	43.44	175.2	50.68	190.4	57.00	196.2	58.44	203.9	60.00	209.3	60.35
90	10	307.2	157.2	10.88	170.3	12.63	185.5	14.77	201.6	16.72	207.6	17.02	215.8	17.38	221.7	17.92
		384.0	157.2	10.69	170.3	12.46	185.5	14.54	201.6	16.47	207.6	16.77	215.8	17.15	221.7	17.63
		768.0	157.2	9.93	170.3	11.78	185.5	13.62	201.6	15.48	207.6	15.78	215.8	16.25	221.7	16.47
		960.0	157.2	9.62	170.3	11.38	185.5	13.39	201.6	15.00	207.6	15.47	215.8	15.94	221.7	15.92
		1152.0	157.2	9.46	170.3	11.18	185.5	13.27	201.6	14.76	207.6	15.31	215.8	15.78	221.7	15.64
	15	307.2	157.2	14.84	170.3	17.22	185.5	20.08	201.6	22.68	207.6	23.16	215.8	23.72	221.7	24.22
		384.0	157.2	14.56	170.3	16.96	185.5	19.76	201.6	22.32	207.6	22.80	215.8	23.36	221.7	23.84
		768.0	157.2	13.44	170.3	15.92	185.5	18.48	201.6	20.88	207.6	21.36	215.8	21.92	221.7	22.32
		960.0	157.2	13.04	170.3	15.52	185.5	18.16	201.6	20.40	207.6	20.96	215.8	21.52	221.7	21.68
		1152.0	157.2	12.84	170.3	15.32	185.5	18.00	201.6	20.16	207.6	20.76	215.8	21.32	221.7	21.36
	20	307.2	157.2	18.36	170.3	21.30	185.5	24.80	201.6	27.98	207.6	28.62	215.8	29.36	221.7	29.82
		384.0	157.2	18.00	170.3	20.96	185.5	24.40	201.6	27.52	207.6	28.16	215.8	28.88	221.7	29.36
		768.0	157.2	16.56	170.3	19.60	185.5	22.80	201.6	25.68	207.6	26.32	215.8	26.96	221.7	27.52
		960.0	157.2	16.08	170.3	19.20	185.5	22.40	201.6	25.20	207.6	25.84	215.8	26.48	221.7	26.80
		1152.0	157.2	15.84	170.3	19.00	185.5	22.20	201.6	24.96	207.6	25.60	215.8	26.24	221.7	26.44
	25	307.2	157.2	22.36	170.3	26.02	185.5	30.24	201.6	34.07	207.6	34.89	215.8	35.77	221.7	36.43
		384.0	157.2	21.92	170.3	25.60	185.5	29.76	201.6	33.52	207.6	34.32	215.8	35.20	221.7	35.84
		768.0	157.2	20.16	170.3	23.92	185.5	27.84	201.6	31.36	207.6	32.08	215.8	32.96	221.7	33.52
		960.0	157.2	19.60	170.3	23.36	185.5	27.28	201.6	30.72	207.6	31.52	215.8	32.32	221.7	32.64
		1152.0	157.2	19.32	170.3	23.08	185.5	27.00	201.6	30.40	207.6	31.24	215.8	32.00	221.7	32.20
	30	307.2	157.2	27.51	170.3	31.97	185.5	37.25	201.6	41.97	207.6	42.93	215.8	43.99	221.7	44.81
		384.0	157.2	26.96	170.3	31.44	185.5	36.64	201.6	41.28	207.6	42.24	215.8	43.28	221.7	44.08
		768.0	157.2	24.80	170.3	29.36	185.5	34.24	201.6	38.56	207.6	39.52	215.8	40.48	221.7	41.20
		960.0	157.2	24.08	170.3	28.80	185.5	33.52	201.6	37.84	207.6	38.72	215.8	39.76	221.7	40.16
		1152.0	157.2	23.72	170.3	28.52	185.5	33.16	201.6	37.48	207.6	38.32	215.8	39.40	221.7	39.64
	35	307.2	153.0	29.73	165.6	34.49	180.3	40.17	196.0	45.21	201.8	46.27	209.8	47.39	215.6	48.29
		384.0	153.0	29.12	165.6	33.92	180.3	39.52	196.0	44.48	201.8	45.52	209.8	46.64	215.6	47.52
		768.0	153.0	26.72	165.6	31.68	180.3	36.96	196.0	41.60	201.8	42.56	209.8	43.68	215.6	44.48
		960.0	153.0	26.00	165.6	31.04	180.3	36.16	196.0	40.80	201.8	41.84	209.8	42.88	215.6	43.28
		1152.0	153.0	25.64	165.6	30.72	180.3	35.76	196.0	40.40	201.8	41.48	209.8	42.48	215.6	42.68
	40	307.2	148.6	34.13	160.9	39.61	175.2	46.09	190.4	51.97	196.2	53.17	203.7	54.47	209.5	55.43
		384.0	148.6	33.44	160.9	38.96	175.2	45.36	190.4	51.12	196.2	52.32	203.7	53.60	209.5	54.56
		768.0	148.6	30.72	160.9	36.40	175.2	42.48	190.4	47.76	196.2	48.96	203.7	50.16	209.5	51.12
		960.0	148.6	29.84	160.9	35.68	175.2	41.60	190.4	46.88	196.2	48.00	203.7	49.28	209.5	49.76
		1152.0	148.6	29.40	160.9	35.32	175.2	41.16	190.4	46.44	196.2	47.52	203.7	48.84	209.5	49.07

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Cooling Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	45	307.2	144.1	38.53	156.3	44.73	170.0	52.01	184.8	58.73	190.6	60.07	197.6	61.55	203.4	62.57
		384.0	144.1	37.76	156.3	44.00	170.0	51.20	184.8	57.76	190.6	59.12	197.6	60.56	203.4	61.60
		768.0	144.1	34.72	156.3	41.12	170.0	48.00	184.8	53.92	190.6	55.36	197.6	56.64	203.4	57.76
		960.0	144.1	33.68	156.3	40.32	170.0	47.04	184.8	52.96	190.6	54.16	197.6	55.68	203.4	56.24
		1152.0	144.1	33.16	156.3	39.92	170.0	46.56	184.8	52.48	190.6	53.56	197.6	55.20	203.4	55.47
80	10	307.2	139.7	9.31	151.4	10.59	164.9	12.32	179.2	14.12	184.5	14.29	191.8	14.73	197.1	14.84
		384.0	139.7	9.09	151.4	10.46	164.9	12.15	179.2	13.86	184.5	14.08	191.8	14.47	197.1	14.61
		768.0	139.7	8.23	151.4	9.94	164.9	11.47	179.2	12.85	184.5	13.24	191.8	13.46	197.1	13.69
		960.0	139.7	8.17	151.4	9.62	164.9	11.24	179.2	12.62	184.5	12.84	191.8	13.23	197.1	13.39
		1152.0	139.7	8.14	151.4	9.46	164.9	11.12	179.2	12.50	184.5	12.64	191.8	13.11	197.1	13.24
	15	307.2	139.7	12.50	151.4	14.46	164.9	16.82	179.2	19.04	184.5	19.42	191.8	19.92	197.1	20.24
		384.0	139.7	12.24	151.4	14.24	164.9	16.56	179.2	18.72	184.5	19.12	191.8	19.60	197.1	19.92
		768.0	139.7	11.20	151.4	13.36	164.9	15.52	179.2	17.44	184.5	17.92	191.8	18.32	197.1	18.64
		960.0	139.7	10.96	151.4	13.04	164.9	15.20	179.2	17.12	184.5	17.52	191.8	18.00	197.1	18.16
		1152.0	139.7	10.84	151.4	12.88	164.9	15.04	179.2	16.96	184.5	17.32	191.8	17.84	197.1	17.92
	20	307.2	139.7	15.34	151.4	17.90	164.9	20.82	179.2	23.42	184.5	23.98	191.8	24.54	197.1	25.04
		384.0	139.7	15.04	151.4	17.60	164.9	20.48	179.2	23.04	184.5	23.60	191.8	24.16	197.1	24.64
		768.0	139.7	13.84	151.4	16.40	164.9	19.12	179.2	21.52	184.5	22.08	191.8	22.64	197.1	23.04
		960.0	139.7	13.44	151.4	16.08	164.9	18.72	179.2	21.12	184.5	21.68	191.8	22.24	197.1	22.40
		1152.0	139.7	13.24	151.4	15.92	164.9	18.52	179.2	20.92	184.5	21.48	191.8	22.04	197.1	22.08
	25	307.2	139.7	18.78	151.4	21.80	164.9	25.36	179.2	28.52	184.5	29.28	191.8	30.00	197.1	30.48
		384.0	139.7	18.40	151.4	21.44	164.9	24.96	179.2	28.08	184.5	28.80	191.8	29.52	197.1	30.00
		768.0	139.7	16.88	151.4	20.00	164.9	23.36	179.2	26.32	184.5	26.88	191.8	27.60	197.1	28.08
		960.0	139.7	16.40	151.4	19.60	164.9	22.88	179.2	25.76	184.5	26.40	191.8	27.12	197.1	27.36
		1152.0	139.7	16.16	151.4	19.40	164.9	22.64	179.2	25.48	184.5	26.16	191.8	26.88	197.1	27.00
	30	307.2	139.7	23.00	151.4	26.74	164.9	31.23	179.2	35.13	184.5	35.93	191.8	36.83	197.1	37.57
		384.0	139.7	22.56	151.4	26.32	164.9	30.72	179.2	34.56	184.5	35.36	191.8	36.24	197.1	36.96
		768.0	139.7	20.80	151.4	24.64	164.9	28.72	179.2	32.32	184.5	33.12	191.8	33.92	197.1	34.56
		960.0	139.7	20.24	151.4	24.08	164.9	28.08	179.2	31.68	184.5	32.48	191.8	33.28	197.1	33.68
		1152.0	139.7	19.96	151.4	23.80	164.9	27.76	179.2	31.36	184.5	32.16	191.8	32.96	197.1	33.24
	35	307.2	139.7	25.63	151.4	29.76	164.9	34.63	179.2	39.03	184.5	40.01	191.8	40.99	197.1	41.71
		384.0	139.7	25.12	151.4	29.28	164.9	34.08	179.2	38.40	184.5	39.36	191.8	40.32	197.1	41.04
		768.0	139.7	23.12	151.4	27.36	164.9	31.92	179.2	35.92	184.5	36.80	191.8	37.68	197.1	38.40
		960.0	139.7	22.48	151.4	26.80	164.9	31.28	179.2	35.20	184.5	36.08	191.8	37.04	197.1	37.36
		1152.0	139.7	22.16	151.4	26.52	164.9	30.96	179.2	34.84	184.5	35.72	191.8	36.72	197.1	36.84
	40	307.2	139.7	30.37	151.4	35.31	164.9	41.07	179.2	46.27	184.5	47.33	191.8	48.55	197.1	49.35
		384.0	139.7	29.76	151.4	34.72	164.9	40.40	179.2	45.52	184.5	46.56	191.8	47.76	197.1	48.56
		768.0	139.7	27.36	151.4	32.40	164.9	37.76	179.2	42.56	184.5	43.52	191.8	44.64	197.1	45.44
		960.0	139.7	26.56	151.4	31.76	164.9	36.96	179.2	41.68	184.5	42.72	191.8	43.84	197.1	44.24
		1152.0	139.7	26.16	151.4	31.44	164.9	36.56	179.2	41.24	184.5	42.32	191.8	43.44	197.1	43.64
	45	307.2	139.7	35.11	151.4	40.85	164.9	47.51	179.2	53.51	184.5	54.65	191.8	56.11	197.1	56.99
		384.0	139.7	34.40	151.4	40.16	164.9	46.72	179.2	52.64	184.5	53.76	191.8	55.20	197.1	56.08
		768.0	139.7	31.60	151.4	37.44	164.9	43.60	179.2	49.20	184.5	50.24	191.8	51.60	197.1	52.48
		960.0	139.7	30.64	151.4	36.72	164.9	42.64	179.2	48.16	184.5	49.36	191.8	50.64	197.1	51.12
		1152.0	139.7	30.16	151.4	36.36	164.9	42.16	179.2	47.64	184.5	48.92	191.8	50.16	197.1	50.43
70	10	307.2	122.4	7.59	132.4	8.85	144.4	10.22	156.7	11.53	161.4	11.97	167.7	12.28	172.4	12.32
		384.0	122.4	7.46	132.4	8.69	144.4	10.07	156.7	11.38	161.4	11.78	167.7	12.09	172.4	12.15
		768.0	122.4	6.93	132.4	8.07	144.4	9.46	156.7	10.78	161.4	11.01	167.7	11.32	172.4	11.47
		960.0	122.4	6.78	132.4	7.92	144.4	9.31	156.7	10.46	161.4	10.69	167.7	11.00	172.4	11.16
		1152.0	122.4	6.70	132.4	7.84	144.4	9.23	156.7	10.30	161.4	10.53	167.7	10.84	172.4	11.00
	15	307.2	122.4	10.36	132.4	12.04	144.4	13.98	156.7	15.76	161.4	16.18	167.7	16.58	172.4	16.82
		384.0	122.4	10.16	132.4	11.84	144.4	13.76	156.7	15.52	161.4	15.92	167.7	16.32	172.4	16.56
		768.0	122.4	9.36	132.4	11.04	144.4	12.88	156.7	14.56	161.4	14.88	167.7	15.28	172.4	15.52
		960.0	122.4	9.12	132.4	10.80	144.4	12.64	156.7	14.24	161.4	14.56	167.7	14.96	172.4	15.12
		1152.0	122.4	9.00	132.4	10.68	144.4	12.52	156.7	14.08	161.4	14.40	167.7	14.80	172.4	14.92
	20	307.2	122.4	12.82	132.4	14.88	144.4	17.32	156.7	19.52	161.4	19.92	167.7	20.40	172.4	20.82
		384.0	122.4	12.56	132.4	14.64	144.4	17.04	156.7	19.20	161.4	19.60	167.7	20.08	172.4	20.48
		768.0	122.4	11.52	132.4	13.68	144.4	15.92	156.7	17.92	161.4	18.32	167.7	18.80	172.4	19.12
		960.0	122.4	11.20	132.4	13.36	144.4	15.60	156.7	17.60	161.4	18.00	167.7	18.48	172.4	18.64
		1152.0	122.4	11.04	132.4	13.20	144.4	15.44	156.7	17.44	161.4	17.84	167.7	18.32	172.4	18.40
	25	307.2	122.4	15.58	132.4	18.14	144.4	21.04	156.7	23.74	161.4	24.30	167.7	24.86	172.4	25.36
		384.0	122.4	15.28	132.4	17.84	144.4	20.72	156.7	23.36	161.4	23.92	167.7	24.48	172.4	24.96
		768.0	122.4	14.08	132.4	16.64	144.4	19.44	156.7	21.84	161.4	22.40	167.7	22.96	172.4	23.36
		960.0	122.4	13.68	132.4	16.32	144.4	19.04	156.7	21.44	161.4	21.92	167.7	22.48	172.4	22.72
		1152.0	122.4	13.48	132.4	16.16	144.4	18.84	156.7	21.24	161.4	21.68	167.7	22.24	172.4	22.40

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	30	307.2	122.4	19.18	132.4	22.28	144.4	25.94	156.7	29.18	161.4	29.92	167.7	30.64	172.4	31.23
		384.0	122.4	18.80	132.4	21.92	144.4	25.52	156.7	28.72	161.4	29.44	167.7	30.16	172.4	30.72
		768.0	122.4	17.28	132.4	20.48	144.4	23.84	156.7	26.88	161.4	27.52	167.7	28.24	172.4	28.72
		960.0	122.4	16.80	132.4	20.08	144.4	23.36	156.7	26.32	161.4	27.04	167.7	27.68	172.4	28.00
		1152.0	122.4	16.56	132.4	19.88	144.4	23.12	156.7	26.04	161.4	26.80	167.7	27.40	172.4	27.64
	35	307.2	122.4	21.30	132.4	24.70	144.4	28.88	156.7	32.45	161.4	33.27	167.7	34.07	172.4	34.63
		384.0	122.4	20.88	132.4	24.32	144.4	28.40	156.7	31.92	161.4	32.72	167.7	33.52	172.4	34.08
		768.0	122.4	19.20	132.4	22.80	144.4	26.48	156.7	29.84	161.4	30.56	167.7	31.36	172.4	31.92
		960.0	122.4	18.64	132.4	22.24	144.4	26.00	156.7	29.28	161.4	30.00	167.7	30.80	172.4	31.12
		1152.0	122.4	18.36	132.4	21.96	144.4	25.76	156.7	29.00	161.4	29.72	167.7	30.52	172.4	30.72
	40	307.2	122.4	25.23	132.4	29.26	144.4	34.15	156.7	38.47	161.4	39.35	167.7	40.33	172.4	41.05
		384.0	122.4	24.72	132.4	28.80	144.4	33.60	156.7	37.84	161.4	38.72	167.7	39.68	172.4	40.40
		768.0	122.4	22.72	132.4	26.96	144.4	31.44	156.7	35.36	161.4	36.24	167.7	37.12	172.4	37.84
		960.0	122.4	22.08	132.4	26.40	144.4	30.72	156.7	34.64	161.4	35.52	167.7	36.48	172.4	36.80
		1152.0	122.4	21.76	132.4	26.12	144.4	30.36	156.7	34.28	161.4	35.16	167.7	36.16	172.4	36.28
	45	307.2	122.4	29.15	132.4	33.83	144.4	39.41	156.7	44.49	161.4	45.43	167.7	46.59	172.4	47.47
		384.0	122.4	28.56	132.4	33.28	144.4	38.80	156.7	43.76	161.4	44.72	167.7	45.84	172.4	46.72
		768.0	122.4	26.24	132.4	31.12	144.4	36.40	156.7	40.88	161.4	41.92	167.7	42.88	172.4	43.76
		960.0	122.4	25.52	132.4	30.56	144.4	35.44	156.7	40.00	161.4	41.04	167.7	42.16	172.4	42.48
		1152.0	122.4	25.16	132.4	30.28	144.4	34.96	156.7	39.56	161.4	40.60	167.7	41.80	172.4	41.83
60	10	307.2	104.9	6.04	113.5	7.04	123.6	8.08	134.3	9.32	138.5	9.57	143.9	9.67	147.9	9.82
		384.0	104.9	5.92	113.5	6.92	123.6	7.99	134.3	9.16	138.5	9.39	143.9	9.54	147.9	9.69
		768.0	104.9	5.46	113.5	6.46	123.6	7.62	134.3	8.54	138.5	8.69	143.9	9.01	147.9	9.16
		960.0	104.9	5.22	113.5	6.39	123.6	7.47	134.3	8.39	138.5	8.54	143.9	8.77	147.9	8.93
		1152.0	104.9	5.10	113.5	6.35	123.6	7.39	134.3	8.31	138.5	8.46	143.9	8.65	147.9	8.81
	15	307.2	104.9	8.24	113.5	9.60	123.6	11.12	134.3	12.60	138.5	12.94	143.9	13.16	147.9	13.40
		384.0	104.9	8.08	113.5	9.44	123.6	10.96	134.3	12.40	138.5	12.72	143.9	12.96	147.9	13.20
		768.0	104.9	7.44	113.5	8.80	123.6	10.32	134.3	11.60	138.5	11.84	143.9	12.16	147.9	12.40
		960.0	104.9	7.20	113.5	8.64	123.6	10.08	134.3	11.36	138.5	11.60	143.9	11.92	147.9	12.08
		1152.0	104.9	7.08	113.5	8.56	123.6	9.96	134.3	11.24	138.5	11.48	143.9	11.80	147.9	11.92
	20	307.2	104.9	10.20	113.5	11.88	123.6	13.82	134.3	15.52	138.5	15.94	143.9	16.26	147.9	16.58
		384.0	104.9	10.00	113.5	11.68	123.6	13.60	134.3	15.28	138.5	15.68	143.9	16.00	147.9	16.32
		768.0	104.9	9.20	113.5	10.88	123.6	12.72	134.3	14.32	138.5	14.64	143.9	14.96	147.9	15.28
		960.0	104.9	8.96	113.5	10.64	123.6	12.40	134.3	14.00	138.5	14.32	143.9	14.72	147.9	14.88
		1152.0	104.9	8.84	113.5	10.52	123.6	12.24	134.3	13.84	138.5	14.16	143.9	14.60	147.9	14.68
	25	307.2	104.9	12.40	113.5	14.48	123.6	16.84	134.3	18.94	138.5	19.34	143.9	19.82	147.9	20.24
		384.0	104.9	12.16	113.5	14.24	123.6	16.56	134.3	18.64	138.5	19.04	143.9	19.52	147.9	19.92
		768.0	104.9	11.20	113.5	13.28	123.6	15.44	134.3	17.44	138.5	17.84	143.9	18.32	147.9	18.64
		960.0	104.9	10.88	113.5	12.96	123.6	15.12	134.3	17.04	138.5	17.52	143.9	17.92	147.9	18.16
		1152.0	104.9	10.72	113.5	12.80	123.6	14.96	134.3	16.84	138.5	17.36	143.9	17.72	147.9	17.92
	30	307.2	104.9	15.26	113.5	17.72	123.6	20.64	134.3	23.24	138.5	23.82	143.9	24.38	147.9	24.88
		384.0	104.9	14.96	113.5	17.44	123.6	20.32	134.3	22.88	138.5	23.44	143.9	24.00	147.9	24.48
		768.0	104.9	13.76	113.5	16.32	123.6	19.04	134.3	21.44	138.5	21.92	143.9	22.48	147.9	22.88
		960.0	104.9	13.36	113.5	16.00	123.6	18.64	134.3	21.04	138.5	21.52	143.9	22.08	147.9	22.32
		1152.0	104.9	13.16	113.5	15.84	123.6	18.44	134.3	20.84	138.5	21.32	143.9	21.88	147.9	22.04
	35	307.2	104.9	16.98	113.5	19.76	123.6	23.02	134.3	25.84	138.5	26.50	143.9	27.16	147.9	27.64
		384.0	104.9	16.64	113.5	19.44	123.6	22.64	134.3	25.44	138.5	26.08	143.9	26.72	147.9	27.20
		768.0	104.9	15.28	113.5	18.16	123.6	21.12	134.3	23.84	138.5	24.40	143.9	24.96	147.9	25.44
		960.0	104.9	14.88	113.5	17.76	123.6	20.72	134.3	23.36	138.5	23.92	143.9	24.56	147.9	24.80
		1152.0	104.9	14.68	113.5	17.56	123.6	20.52	134.3	23.12	138.5	23.68	143.9	24.36	147.9	24.48
	40	307.2	104.9	20.06	113.5	23.32	123.6	27.24	134.3	30.67	138.5	31.39	143.9	32.11	147.9	32.77
		384.0	104.9	19.68	113.5	22.96	123.6	26.80	134.3	30.16	138.5	30.88	143.9	31.60	147.9	32.24
		768.0	104.9	18.16	113.5	21.52	123.6	25.04	134.3	28.16	138.5	28.88	143.9	29.60	147.9	30.16
		960.0	104.9	17.60	113.5	21.04	123.6	24.56	134.3	27.60	138.5	28.32	143.9	29.04	147.9	29.36
		1152.0	104.9	17.32	113.5	20.80	123.6	24.32	134.3	27.32	138.5	28.04	143.9	28.76	147.9	28.96
	45	307.2	104.9	23.14	113.5	26.88	123.6	31.47	134.3	35.49	138.5	36.27	143.9	37.05	147.9	37.89
		384.0	104.9	22.72	113.5	26.48	123.6	30.96	134.3	34.88	138.5	35.68	143.9	36.48	147.9	37.28
		768.0	104.9	21.04	113.5	24.88	123.6	28.96	134.3	32.48	138.5	33.36	143.9	34.24	147.9	34.88
		960.0	104.9	20.32	113.5	24.32	123.6	28.40	134.3	31.84	138.5	32.72	143.9	33.52	147.9	33.92
		1152.0	104.9	19.96	113.5	24.04	123.6	28.12	134.3	31.52	138.5	32.40	143.9	33.16	147.9	33.44
50	10	307.2	87.4	4.48	94.6	5.23	103.0	6.29	112.1	6.87	115.4	6.99	119.8	7.30	123.1	7.35
		384.0	87.4	4.38	94.6	5.15	103.0	6.17	112.1	6.77	115.4	6.92	119.8	7.16	123.1	7.23
		768.0	87.4	3.99	94.6	4.85	103.0	5.70	112.1	6.39	115.4	6.63	119.8	6.61	123.1	6.77
		960.0	87.4	3.92	94.6	4.86	103.0	5.54	112.1	6.23	115.4	6.30	119.8	6.54	123.1	6.53
		1152.0	87.4	3.88	94.6	4.87	103.0	5.46	112.1	6.15	115.4	6.13	119.8	6.50	123.1	6.41

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Cooling Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water Flow Rate (L/min)	Indoor Air temperature (°CWB)													
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	15	307.2	87.4	6.12	94.6	7.16	103.0	8.38	112.1	9.34	115.4	9.58	119.8	9.84	123.1	10.00
		384.0	87.4	6.00	94.6	7.04	103.0	8.24	112.1	9.20	115.4	9.44	119.8	9.68	123.1	9.84
		768.0	87.4	5.52	94.6	6.56	103.0	7.68	112.1	8.64	115.4	8.88	119.8	9.04	123.1	9.20
		960.0	87.4	5.36	94.6	6.48	103.0	7.52	112.1	8.48	115.4	8.64	119.8	8.88	123.1	8.96
		1152.0	87.4	5.28	94.6	6.44	103.0	7.44	112.1	8.40	115.4	8.52	119.8	8.80	123.1	8.84
	20	307.2	87.4	7.58	94.6	8.88	103.0	10.24	112.1	11.54	115.4	11.88	119.8	12.10	123.1	12.36
		384.0	87.4	7.44	94.6	8.72	103.0	10.08	112.1	11.36	115.4	11.68	119.8	11.92	123.1	12.16
		768.0	87.4	6.88	94.6	8.08	103.0	9.44	112.1	10.64	115.4	10.88	119.8	11.20	123.1	11.36
		960.0	87.4	6.64	94.6	7.92	103.0	9.28	112.1	10.48	115.4	10.72	119.8	10.96	123.1	11.12
		1152.0	87.4	6.52	94.6	7.84	103.0	9.20	112.1	10.40	115.4	10.64	119.8	10.84	123.1	11.00
	25	307.2	87.4	9.22	94.6	10.72	103.0	12.52	112.1	14.16	115.4	14.48	119.8	14.80	123.1	15.02
		384.0	87.4	9.04	94.6	10.56	103.0	12.32	112.1	13.92	115.4	14.24	119.8	14.56	123.1	14.80
		768.0	87.4	8.32	94.6	9.92	103.0	11.52	112.1	12.96	115.4	13.28	119.8	13.60	123.1	13.92
		960.0	87.4	8.08	94.6	9.68	103.0	11.28	112.1	12.72	115.4	13.04	119.8	13.36	123.1	13.52
		1152.0	87.4	7.96	94.6	9.56	103.0	11.16	112.1	12.60	115.4	12.92	119.8	13.24	123.1	13.32
	30	307.2	87.4	11.44	94.6	13.26	103.0	15.46	112.1	17.40	115.4	17.82	119.8	18.20	123.1	18.54
		384.0	87.4	11.20	94.6	13.04	103.0	15.20	112.1	17.12	115.4	17.52	119.8	17.92	123.1	18.24
		768.0	87.4	10.24	94.6	12.16	103.0	14.16	112.1	16.00	115.4	16.32	119.8	16.80	123.1	17.04
		960.0	87.4	10.00	94.6	11.92	103.0	13.92	112.1	15.68	115.4	16.08	119.8	16.48	123.1	16.64
		1152.0	87.4	9.88	94.6	11.80	103.0	13.80	112.1	15.52	115.4	15.96	119.8	16.32	123.1	16.44
	35	307.2	87.4	12.64	94.6	14.72	103.0	17.16	112.1	19.26	115.4	19.76	119.8	20.24	123.1	20.56
		384.0	87.4	12.40	94.6	14.48	103.0	16.88	112.1	18.96	115.4	19.44	119.8	19.92	123.1	20.24
		768.0	87.4	11.44	94.6	13.52	103.0	15.76	112.1	17.76	115.4	18.16	119.8	18.64	123.1	18.96
		960.0	87.4	11.12	94.6	13.28	103.0	15.44	112.1	17.44	115.4	17.84	119.8	18.32	123.1	18.48
		1152.0	87.4	10.96	94.6	13.16	103.0	15.28	112.1	17.28	115.4	17.68	119.8	18.16	123.1	18.24
	40	307.2	87.4	15.02	94.6	17.40	103.0	20.34	112.1	22.84	115.4	23.42	119.8	23.98	123.1	24.38
		384.0	87.4	14.72	94.6	17.12	103.0	20.00	112.1	22.48	115.4	23.04	119.8	23.60	123.1	24.00
		768.0	87.4	13.52	94.6	16.00	103.0	18.64	112.1	21.04	115.4	21.52	119.8	22.08	123.1	22.48
		960.0	87.4	13.12	94.6	15.68	103.0	18.32	112.1	20.64	115.4	21.12	119.8	21.68	123.1	21.84
		1152.0	87.4	12.92	94.6	15.52	103.0	18.16	112.1	20.44	115.4	20.92	119.8	21.48	123.1	21.52
	45	307.2	87.4	17.40	94.6	20.08	103.0	23.52	112.1	26.42	115.4	27.08	119.8	27.72	123.1	28.20
		384.0	87.4	17.04	94.6	19.76	103.0	23.12	112.1	26.00	115.4	26.64	119.8	27.28	123.1	27.76
		768.0	87.4	15.60	94.6	18.48	103.0	21.52	112.1	24.32	115.4	24.88	119.8	25.52	123.1	26.00
		960.0	87.4	15.12	94.6	18.08	103.0	21.20	112.1	23.84	115.4	24.40	119.8	25.04	123.1	25.20
		1152.0	87.4	14.88	94.6	17.88	103.0	21.04	112.1	23.60	115.4	24.16	119.8	24.80	123.1	24.80

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7.1.2 Heating Capacity

Heating Capacity(8HP)

ARWN080LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	30.8	11.9	4.40	11.8	4.14	11.8	3.86	11.6	3.74	11.7	3.64	11.4	3.27
		38.5	12.3	4.48	12.2	4.22	12.2	3.94	12.0	3.82	12.1	3.72	11.8	3.34
		77.0	13.9	4.78	13.8	4.54	13.8	4.27	13.6	4.15	13.7	4.03	13.4	3.62
		96.3	15.4	5.08	15.3	4.85	15.2	4.61	15.0	4.48	15.2	4.35	14.8	3.90
		115.5	16.2	5.24	16.0	5.01	15.9	4.77	15.7	4.65	15.9	4.51	15.5	4.05
	0	30.8	21.3	6.02	20.8	5.84	20.4	5.65	19.9	5.49	20.0	5.34	19.1	4.78
		38.5	21.4	6.03	20.9	5.85	20.5	5.66	20.0	5.50	20.1	5.35	19.2	4.79
		77.0	21.9	6.10	21.4	5.91	21.0	5.73	20.5	5.57	20.6	5.41	19.7	4.85
		96.3	22.3	6.10	21.7	5.91	21.3	5.73	20.8	5.57	20.9	5.41	19.9	4.85
		115.5	22.4	6.10	21.9	5.91	21.5	5.73	21.0	5.57	21.0	5.41	20.1	4.85
	5	30.8	30.7	6.47	30.2	6.31	29.6	6.15	28.8	5.97	28.1	5.81	26.5	5.20
		38.5	30.8	6.50	30.3	6.34	29.6	6.18	28.8	6.00	28.1	5.84	26.5	5.23
		77.0	31.2	6.61	30.5	6.45	29.6	6.30	28.8	6.13	28.1	5.95	26.5	5.34
		96.3	31.4	6.65	30.6	6.50	29.6	6.34	28.8	6.17	28.1	6.00	26.5	5.37
		115.5	31.5	6.68	30.6	6.52	29.6	6.37	28.8	6.19	28.1	6.02	26.5	5.39
	10	30.8	30.7	5.88	30.2	5.69	29.5	5.58	28.7	5.45	28.0	5.27	26.4	4.75
		38.5	30.9	5.87	30.4	5.69	29.6	5.59	28.8	5.45	28.1	5.26	26.5	4.75
		77.0	31.6	5.83	30.9	5.71	30.1	5.63	29.3	5.45	28.5	5.25	26.9	4.74
		96.3	31.8	5.91	31.1	5.79	30.3	5.66	29.4	5.47	28.7	5.34	27.1	4.96
		115.5	31.9	5.95	31.2	5.83	30.4	5.67	29.5	5.48	28.8	5.38	27.2	5.07
	15	30.8	30.8	5.30	30.2	5.08	29.4	5.02	28.6	4.94	27.8	4.73	26.3	4.31
		38.5	31.0	5.25	30.5	5.05	29.6	5.01	28.8	4.90	28.1	4.69	26.5	4.27
		77.0	32.0	5.04	31.4	4.97	30.5	4.97	29.8	4.76	28.9	4.55	27.4	4.13
		96.3	32.2	5.16	31.7	5.08	30.9	4.97	30.1	4.76	29.3	4.68	27.7	4.55
		115.5	32.3	5.23	31.8	5.14	31.1	4.97	30.2	4.76	29.5	4.74	27.9	4.76
	20	30.8	31.9	4.86	31.3	4.64	30.5	4.54	29.7	4.39	28.8	4.29	27.1	4.16
		38.5	32.2	4.83	31.6	4.63	30.8	4.53	29.9	4.41	29.1	4.32	27.4	4.13
		77.0	33.2	4.69	32.6	4.62	31.7	4.52	30.8	4.48	30.1	4.44	28.4	3.99
		96.3	33.3	4.69	32.8	4.62	32.1	4.55	31.2	4.48	30.3	4.44	28.6	4.24
		115.5	33.4	4.69	33.0	4.62	32.3	4.56	31.3	4.48	30.4	4.44	28.7	4.37
	25	30.8	33.7	4.64	32.8	4.50	32.1	4.43	31.5	4.35	30.8	4.29	29.0	4.01
		38.5	33.7	4.62	32.8	4.50	32.1	4.41	31.5	4.34	30.8	4.27	29.0	3.99
		77.0	33.7	4.55	32.8	4.47	32.1	4.34	31.5	4.27	30.8	4.20	29.0	3.92
		96.3	33.7	4.48	32.8	4.35	32.1	4.27	31.5	4.20	30.8	4.13	29.0	3.85
		115.5	33.7	4.45	32.8	4.29	32.1	4.24	31.5	4.16	30.8	4.09	29.0	3.82
	30	30.8	33.7	4.52	32.8	4.29	32.1	4.25	31.5	4.14	30.8	4.10	29.0	3.81
		38.5	33.7	4.48	32.8	4.29	32.1	4.23	31.5	4.13	30.8	4.06	29.0	3.78
		77.0	33.7	4.34	32.8	4.26	32.1	4.13	31.5	4.06	30.8	3.92	29.0	3.64
		96.3	33.7	4.27	32.8	4.14	32.1	4.06	31.5	3.99	30.8	3.92	29.0	3.64
		115.5	33.7	4.24	32.8	4.08	32.1	4.03	31.5	3.95	30.8	3.92	29.0	3.64
	35	30.8	33.7	4.31	32.8	4.17	32.1	4.08	31.5	3.93	30.8	3.80	29.0	3.53
		38.5	33.7	4.27	32.8	4.14	32.1	4.06	31.5	3.92	30.8	3.78	29.0	3.50
		77.0	33.7	4.13	32.8	4.05	32.1	3.99	31.5	3.85	30.8	3.71	29.0	3.36
		96.3	33.7	4.13	32.8	4.00	32.1	3.92	31.5	3.78	30.8	3.64	29.0	3.36
		115.5	33.7	4.13	32.8	3.98	32.1	3.88	31.5	3.74	30.8	3.61	29.0	3.36
	40	30.8	33.7	4.16	32.8	4.03	32.1	3.95	31.5	3.81	30.8	3.68	29.0	3.32
		38.5	33.7	4.13	32.8	4.00	32.1	3.92	31.5	3.78	30.8	3.64	29.0	3.29
		77.0	33.7	3.99	32.8	3.90	32.1	3.78	31.5	3.64	30.8	3.50	29.0	3.15
		96.3	33.7	3.92	32.8	3.84	32.1	3.78	31.5	3.64	30.8	3.50	29.0	3.15
		115.5	33.7	3.88	32.8	3.81	32.1	3.78	31.5	3.64	30.8	3.50	29.0	3.15
	45	30.8	33.7	4.02	32.8	3.89	32.1	3.83	31.5	3.70	30.8	3.55	29.0	3.11
		38.5	33.7	3.99	32.8	3.87	32.1	3.78	31.5	3.64	30.8	3.50	29.0	3.08
		77.0	33.7	3.85	32.8	3.77	32.1	3.57	31.5	3.43	30.8	3.29	29.0	2.94
		96.3	33.7	3.71	32.8	3.67	32.1	3.64	31.5	3.50	30.8	3.36	29.0	2.94
		115.5	33.7	3.63	32.8	3.62	32.1	3.68	31.5	3.53	30.8	3.40	29.0	2.94
120	-5	30.8	11.3	4.40	11.2	4.14	11.2	3.86	11.0	3.69	11.1	3.59	10.8	3.21
		38.5	11.7	4.48	11.6	4.22	11.6	3.94	11.4	3.77	11.5	3.66	11.2	3.28
		77.0	13.3	4.78	13.2	4.54	13.1	4.27	12.9	4.09	13.0	3.98	12.7	3.56
		96.3	14.7	5.08	14.5	4.85	14.4	4.61	14.3	4.42	14.4	4.29	14.0	3.84
		115.5	15.3	5.24	15.2	5.01	15.1	4.77	15.0	4.58	15.1	4.44	14.7	3.98
	0	30.8	20.3	6.02	19.8	5.84	19.3	5.65	18.9	5.41	18.9	5.26	18.1	4.70
		38.5	20.4	6.03	19.9	5.85	19.5	5.66	19.1	5.42	19.1	5.27	18.2	4.71
		77.0	20.8	6.10	20.3	5.91	19.9	5.73	19.5	5.49	19.5	5.33	18.6	4.77
		96.3	21.2	6.10	20.7	5.91	20.2	5.73	19.8	5.49	19.8	5.33	18.9	4.77
		115.5	21.3	6.10	20.8	5.91	20.4	5.73	20.0	5.49	19.9	5.33	19.1	4.77

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	30.8	29.2	6.47	28.8	6.31	28.1	6.15	27.5	5.89	26.6	5.72	25.1	5.12
		38.5	29.3	6.50	28.8	6.34	28.1	6.18	27.5	5.92	26.6	5.75	25.1	5.15
		77.0	29.7	6.61	29.0	6.45	28.1	6.30	27.5	6.04	26.6	5.87	25.1	5.25
		96.3	29.9	6.65	28.9	6.50	28.1	6.34	27.5	6.08	26.6	5.91	25.1	5.29
		115.5	30.0	6.68	28.8	6.52	28.1	6.37	27.5	6.10	26.6	5.93	25.1	5.30
	10	30.8	29.3	5.81	28.8	5.65	28.1	5.53	27.4	5.37	26.5	5.19	25.1	4.67
		38.5	29.4	5.83	28.9	5.67	28.1	5.55	27.5	5.37	26.6	5.18	25.1	4.67
		77.0	30.0	5.91	29.3	5.76	28.4	5.63	27.8	5.40	26.9	5.17	25.4	4.69
		96.3	30.1	5.89	29.3	5.76	28.6	5.66	27.9	5.42	27.0	5.19	25.5	4.85
		115.5	30.2	5.88	29.2	5.76	28.6	5.67	27.9	5.43	27.0	5.20	25.6	4.93
	15	30.8	29.4	5.15	28.8	5.00	28.0	4.92	27.3	4.85	26.4	4.65	25.0	4.22
		38.5	29.6	5.16	29.0	5.01	28.1	4.93	27.5	4.83	26.6	4.62	25.1	4.20
		77.0	30.2	5.21	29.7	5.05	28.8	4.97	28.1	4.76	27.1	4.48	25.7	4.13
		96.3	30.4	5.13	29.7	5.01	29.0	4.97	28.3	4.76	27.4	4.48	25.9	4.41
		115.5	30.5	5.09	29.6	4.99	29.1	4.97	28.4	4.76	27.5	4.48	26.0	4.55
	20	30.8	30.2	4.63	29.6	4.44	28.7	4.32	28.0	4.26	27.0	4.20	25.6	3.99
		38.5	30.4	4.63	29.8	4.45	28.9	4.34	28.1	4.27	27.2	4.20	25.7	3.98
		77.0	31.2	4.63	30.5	4.52	29.5	4.41	28.8	4.34	27.9	4.19	26.3	3.92
		96.3	31.3	4.59	30.5	4.48	29.8	4.41	29.0	4.34	28.1	4.20	26.5	4.06
		115.5	31.4	4.57	30.5	4.46	29.9	4.41	29.1	4.34	28.1	4.21	26.6	4.14
	25	30.8	31.7	4.38	30.8	4.18	29.8	4.10	29.1	4.01	28.4	3.93	26.8	3.66
		38.5	31.7	4.37	30.8	4.17	29.8	4.09	29.1	3.99	28.4	3.92	26.8	3.64
		77.0	31.8	4.30	30.8	4.14	29.8	4.06	29.1	3.92	28.4	3.85	26.8	3.57
		96.3	31.9	4.14	30.8	4.03	29.8	3.99	29.1	3.92	28.4	3.78	26.8	3.57
		115.5	31.9	4.06	30.8	3.98	29.8	3.95	29.1	3.92	28.4	3.74	26.8	3.57
	30	30.8	31.9	4.19	30.8	3.98	29.8	3.87	29.1	3.72	28.4	3.68	26.8	3.38
		38.5	31.9	4.16	30.8	3.96	29.8	3.85	29.1	3.71	28.4	3.64	26.8	3.36
		77.0	31.9	4.02	30.8	3.87	29.8	3.78	29.1	3.64	28.4	3.50	26.8	3.29
		96.3	31.9	3.89	30.8	3.78	29.8	3.71	29.1	3.64	28.4	3.50	26.8	3.22
		115.5	31.9	3.82	30.8	3.74	29.8	3.67	29.1	3.64	28.4	3.50	26.8	3.19
	35	30.8	31.9	4.00	30.8	3.79	29.8	3.68	29.1	3.53	28.4	3.39	26.8	3.09
		38.5	31.9	3.95	30.8	3.75	29.8	3.64	29.1	3.50	28.4	3.36	26.8	3.08
		77.0	31.9	3.72	30.8	3.61	29.8	3.50	29.1	3.36	28.4	3.22	26.8	3.01
		96.3	31.9	3.68	30.8	3.58	29.8	3.50	29.1	3.36	28.4	3.22	26.8	2.94
		115.5	31.9	3.66	30.8	3.57	29.8	3.50	29.1	3.36	28.4	3.22	26.8	2.90
	40	30.8	31.9	3.88	30.8	3.61	29.8	3.47	29.1	3.32	28.4	3.18	26.8	2.88
		38.5	31.9	3.81	30.8	3.57	29.8	3.43	29.1	3.29	28.4	3.15	26.8	2.87
		77.0	31.9	3.51	30.8	3.40	29.8	3.29	29.1	3.15	28.4	3.01	26.8	2.80
		96.3	31.9	3.47	30.8	3.36	29.8	3.29	29.1	3.15	28.4	3.01	26.8	2.73
		115.5	31.9	3.45	30.8	3.34	29.8	3.29	29.1	3.15	28.4	3.01	26.8	2.69
	45	30.8	31.9	3.76	30.8	3.44	29.8	3.26	29.1	3.11	28.4	2.97	26.8	2.67
		38.5	31.9	3.67	30.8	3.39	29.8	3.22	29.1	3.08	28.4	2.94	26.8	2.66
		77.0	31.9	3.30	30.8	3.19	29.8	3.08	29.1	2.94	28.4	2.80	26.8	2.59
		96.3	31.9	3.26	30.8	3.14	29.8	3.08	29.1	2.94	28.4	2.80	26.8	2.52
		115.5	31.9	3.24	30.8	3.11	29.8	3.08	29.1	2.94	28.4	2.80	26.8	2.48
110	-5	30.8	10.7	4.46	10.7	4.14	10.6	3.86	10.5	3.69	10.5	3.59	10.3	3.21
		38.5	11.1	4.53	11.0	4.22	10.9	3.94	10.8	3.77	10.9	3.66	10.6	3.28
		77.0	12.5	4.84	12.5	4.54	12.4	4.27	12.3	4.09	12.3	3.98	12.0	3.56
		96.3	13.9	5.15	13.8	4.85	13.7	4.61	13.5	4.42	13.5	4.29	13.3	3.84
		115.5	14.5	5.31	14.4	5.01	14.3	4.77	14.2	4.58	14.2	4.44	13.9	3.98
	0	30.8	19.2	6.10	18.7	5.84	18.3	5.65	18.0	5.41	17.8	5.26	17.2	4.70
		38.5	19.3	6.11	18.8	5.85	18.4	5.66	18.1	5.42	17.9	5.27	17.3	4.71
		77.0	19.7	6.17	19.3	5.91	18.9	5.73	18.5	5.49	18.4	5.33	17.7	4.77
		96.3	20.0	6.17	19.6	5.91	19.2	5.73	18.8	5.49	18.6	5.33	17.9	4.77
		115.5	20.2	6.17	19.8	5.91	19.3	5.73	18.9	5.49	18.8	5.33	18.0	4.77
	5	30.8	27.9	6.55	27.3	6.31	26.6	6.15	26.0	5.89	25.0	5.72	23.8	5.12
		38.5	28.0	6.58	27.3	6.34	26.7	6.18	26.0	5.92	25.0	5.75	23.8	5.15
		77.0	28.4	6.70	27.5	6.45	26.7	6.30	26.0	6.04	25.0	5.87	23.8	5.25
		96.3	28.6	6.74	27.6	6.50	26.7	6.34	26.0	6.08	25.0	5.91	23.8	5.29
		115.5	28.7	6.76	27.6	6.52	26.7	6.37	26.0	6.10	25.0	5.93	23.8	5.30
	10	30.8	28.0	5.88	27.4	5.68	26.6	5.55	26.0	5.37	25.0	5.19	23.8	4.67
		38.5	28.2	5.89	27.4	5.69	26.7	5.57	26.0	5.37	25.0	5.18	23.8	4.67
		77.0	28.6	5.93	27.7	5.76	26.8	5.63	26.2	5.40	25.2	5.17	23.9	4.69
		96.3	28.7	5.93	27.8	5.76	26.9	5.62	26.3	5.39	25.2	5.19	24.0	4.74
		115.5	28.8	5.93	27.9	5.76	27.0	5.61	26.3	5.38	25.3	5.20	24.0	4.77

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	30.8	28.1	5.20	27.4	5.05	26.6	4.97	26.0	4.85	25.0	4.65	23.8	4.22
		38.5	28.2	5.19	27.5	5.05	26.7	4.97	26.0	4.83	25.0	4.62	23.8	4.20
		77.0	28.7	5.16	27.9	5.05	27.0	4.97	26.3	4.76	25.4	4.48	24.1	4.13
		96.3	28.9	5.13	28.0	5.01	27.1	4.90	26.4	4.69	25.4	4.48	24.2	4.20
		115.5	29.0	5.11	28.1	4.99	27.2	4.87	26.5	4.66	25.5	4.48	24.3	4.24
	20	30.8	28.7	4.49	27.9	4.38	27.0	4.27	26.2	4.20	25.3	4.08	24.0	3.82
		38.5	28.8	4.50	28.0	4.38	27.1	4.27	26.3	4.20	25.4	4.06	24.1	3.81
		77.0	29.4	4.53	28.3	4.38	27.4	4.27	26.7	4.20	25.7	3.99	24.4	3.78
		96.3	29.6	4.53	28.6	4.38	27.5	4.27	26.8	4.13	25.8	3.99	24.5	3.78
		115.5	29.7	4.53	28.7	4.38	27.6	4.27	26.9	4.09	25.9	3.99	24.5	3.78
	25	30.8	29.5	4.08	28.7	3.93	27.5	3.87	26.9	3.72	26.0	3.59	24.6	3.29
		38.5	29.6	4.08	28.7	3.92	27.5	3.85	26.9	3.71	26.0	3.57	24.6	3.29
		77.0	29.8	4.05	28.7	3.85	27.5	3.78	26.9	3.64	26.0	3.50	24.6	3.29
		96.3	30.0	4.05	28.7	3.87	27.5	3.71	26.9	3.64	26.0	3.43	24.6	3.22
		115.5	30.1	4.05	28.7	3.87	27.5	3.67	26.9	3.64	26.0	3.40	24.6	3.19
	30	30.8	30.0	3.72	28.7	3.59	27.5	3.45	26.9	3.38	26.0	3.17	24.6	2.96
		38.5	30.0	3.71	28.7	3.57	27.5	3.43	26.9	3.36	26.0	3.15	24.6	2.94
		77.0	30.0	3.64	28.7	3.50	27.5	3.36	26.9	3.29	26.0	3.08	24.6	2.87
		96.3	30.0	3.61	28.7	3.43	27.5	3.29	26.9	3.22	26.0	3.08	24.6	2.87
		115.5	30.0	3.60	28.7	3.40	27.5	3.25	26.9	3.19	26.0	3.08	24.6	2.87
	35	30.8	30.0	3.53	28.7	3.30	27.5	3.17	26.9	3.03	26.0	2.88	24.6	2.67
		38.5	30.0	3.50	28.7	3.29	27.5	3.15	26.9	3.01	26.0	2.87	24.6	2.66
		77.0	30.0	3.36	28.7	3.22	27.5	3.08	26.9	2.94	26.0	2.80	24.6	2.59
		96.3	30.0	3.27	28.7	3.15	27.5	3.01	26.9	2.94	26.0	2.80	24.6	2.59
		115.5	30.0	3.23	28.7	3.11	27.5	2.98	26.9	2.94	26.0	2.80	24.6	2.59
	40	30.8	30.0	3.32	28.7	3.18	27.5	2.97	26.9	2.82	26.0	2.67	24.6	2.46
		38.5	30.0	3.29	28.7	3.15	27.5	2.94	26.9	2.80	26.0	2.66	24.6	2.45
		77.0	30.0	3.15	28.7	3.01	27.5	2.80	26.9	2.73	26.0	2.59	24.6	2.38
		96.3	30.0	3.11	28.7	2.94	27.5	2.80	26.9	2.66	26.0	2.52	24.6	2.31
		115.5	30.0	3.08	28.7	2.90	27.5	2.80	26.9	2.62	26.0	2.48	24.6	2.27
	45	30.8	30.0	3.11	28.7	3.07	27.5	2.78	26.9	2.61	26.0	2.46	24.6	2.25
		38.5	30.0	3.08	28.7	3.01	27.5	2.73	26.9	2.59	26.0	2.45	24.6	2.24
		77.0	30.0	2.94	28.7	2.80	27.5	2.52	26.9	2.52	26.0	2.38	24.6	2.17
		96.3	30.0	2.94	28.7	2.73	27.5	2.59	26.9	2.38	26.0	2.24	24.6	2.03
		115.5	30.0	2.94	28.7	2.69	27.5	2.63	26.9	2.31	26.0	2.16	24.6	1.95
100	-5	30.8	10.1	4.46	10.1	4.20	10.0	3.86	9.9	3.69	9.8	3.53	9.6	3.21
		38.5	10.5	4.53	10.4	4.28	10.4	3.94	10.3	3.77	10.2	3.61	10.0	3.28
		77.0	11.9	4.84	11.8	4.60	11.7	4.27	11.6	4.09	11.5	3.92	11.3	3.56
		96.3	13.1	5.15	13.0	4.92	12.9	4.61	12.8	4.42	12.7	4.22	12.5	3.84
		115.5	13.7	5.31	13.6	5.08	13.6	4.77	13.4	4.58	13.3	4.37	13.1	3.98
	0	30.8	18.1	6.10	17.7	5.92	17.3	5.65	17.0	5.41	16.7	5.18	16.2	4.70
		38.5	18.2	6.11	17.8	5.93	17.4	5.66	17.1	5.42	16.8	5.19	16.2	4.71
		77.0	18.6	6.17	18.2	5.99	17.8	5.73	17.5	5.49	17.2	5.25	16.6	4.77
		96.3	18.9	6.17	18.5	5.99	18.1	5.73	17.8	5.49	17.5	5.25	16.9	4.77
		115.5	19.1	6.17	18.7	5.99	18.3	5.73	17.9	5.49	17.6	5.25	17.0	4.77
	5	30.8	26.7	6.55	25.8	6.39	25.2	6.15	24.7	5.89	23.5	5.63	22.4	5.12
		38.5	26.8	6.58	25.9	6.42	25.2	6.18	24.7	5.92	23.5	5.66	22.4	5.15
		77.0	27.2	6.70	26.1	6.54	25.2	6.30	24.7	6.04	23.5	5.78	22.4	5.25
		96.3	27.4	6.74	26.1	6.58	25.2	6.34	24.7	6.08	23.5	5.81	22.4	5.29
		115.5	27.4	6.76	26.2	6.60	25.2	6.37	24.7	6.10	23.5	5.83	22.4	5.30
	10	30.8	26.9	5.86	25.9	5.73	25.2	5.55	24.7	5.37	23.5	5.10	22.4	4.67
		38.5	26.9	5.89	26.0	5.75	25.2	5.57	24.7	5.37	23.5	5.11	22.4	4.67
		77.0	27.2	6.00	26.1	5.82	25.2	5.63	24.7	5.40	23.5	5.13	22.4	4.69
		96.3	27.4	5.97	26.2	5.82	25.2	5.62	24.7	5.39	23.5	5.11	22.4	4.67
		115.5	27.5	5.96	26.3	5.82	25.2	5.61	24.7	5.38	23.5	5.11	22.4	4.66
	15	30.8	27.0	5.17	26.0	5.08	25.2	4.97	24.7	4.85	23.5	4.56	22.4	4.22
		38.5	27.1	5.19	26.0	5.08	25.2	4.97	24.7	4.83	23.5	4.55	22.4	4.20
		77.0	27.2	5.29	26.1	5.10	25.2	4.97	24.7	4.76	23.5	4.48	22.4	4.13
		96.3	27.4	5.21	26.3	5.05	25.2	4.90	24.7	4.69	23.5	4.41	22.4	4.06
		115.5	27.5	5.16	26.3	5.03	25.2	4.87	24.7	4.66	23.5	4.37	22.4	4.03
	20	30.8	27.2	4.42	26.2	4.30	25.2	4.20	24.7	4.14	23.5	3.87	22.4	3.68
		38.5	27.3	4.44	26.2	4.31	25.2	4.20	24.7	4.13	23.5	3.85	22.4	3.64
		77.0	27.7	4.52	26.3	4.32	25.2	4.20	24.7	4.06	23.5	3.78	22.4	3.50
		96.3	27.8	4.44	26.5	4.29	25.2	4.13	24.7	3.99	23.5	3.71	22.4	3.43
		115.5	27.9	4.40	26.6	4.27	25.2	4.09	24.7	3.95	23.5	3.67	22.4	3.40

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	30.8	27.5	3.86	26.6	3.74	25.2	3.59	24.7	3.45	23.5	3.24	22.4	2.94
		38.5	27.6	3.87	26.6	3.72	25.2	3.57	24.7	3.43	23.5	3.22	22.4	2.94
		77.0	28.0	3.88	26.6	3.64	25.2	3.50	24.7	3.36	23.5	3.15	22.4	2.94
		96.3	28.1	3.79	26.6	3.61	25.2	3.43	24.7	3.29	23.5	3.15	22.4	2.87
		115.5	28.2	3.75	26.6	3.60	25.2	3.40	24.7	3.25	23.5	3.15	22.4	2.83
	30	30.8	28.1	3.51	26.6	3.24	25.2	3.02	24.7	2.96	23.5	2.73	22.4	2.61
		38.5	28.1	3.50	26.6	3.22	25.2	3.01	24.7	2.94	23.5	2.73	22.4	2.59
		77.0	28.1	3.43	26.6	3.15	25.2	2.98	24.7	2.87	23.5	2.73	22.4	2.52
		96.3	28.1	3.36	26.6	3.15	25.2	2.94	24.7	2.87	23.5	2.66	22.4	2.52
		115.5	28.1	3.32	26.6	3.15	25.2	2.92	24.7	2.87	23.5	2.62	22.4	2.52
	35	30.8	28.1	3.26	26.6	2.97	25.2	2.66	24.7	2.61	23.5	2.46	22.4	2.25
		38.5	28.1	3.22	26.6	2.94	25.2	2.66	24.7	2.59	23.5	2.45	22.4	2.24
		77.0	28.1	3.08	26.6	2.80	25.2	2.63	24.7	2.52	23.5	2.38	22.4	2.17
		96.3	28.1	3.08	26.6	2.80	25.2	2.59	24.7	2.52	23.5	2.38	22.4	2.17
		115.5	28.1	3.08	26.6	2.80	25.2	2.57	24.7	2.52	23.5	2.38	22.4	2.17
	40	30.8	28.1	3.05	26.6	2.76	25.2	2.39	24.7	2.33	23.5	2.19	22.4	2.04
		38.5	28.1	3.01	26.6	2.73	25.2	2.38	24.7	2.31	23.5	2.17	22.4	2.03
		77.0	28.1	2.87	26.6	2.59	25.2	2.35	24.7	2.24	23.5	2.10	22.4	1.96
		96.3	28.1	2.80	26.6	2.59	25.2	2.31	24.7	2.24	23.5	2.10	22.4	1.96
		115.5	28.1	2.77	26.6	2.59	25.2	2.29	24.7	2.24	23.5	2.10	22.4	1.96
	45	30.8	28.1	2.84	26.6	2.55	25.2	2.11	24.7	2.04	23.5	1.91	22.4	1.83
		38.5	28.1	2.80	26.6	2.52	25.2	2.10	24.7	2.03	23.5	1.89	22.4	1.82
		77.0	28.1	2.66	26.6	2.38	25.2	2.07	24.7	1.96	23.5	1.82	22.4	1.75
		96.3	28.1	2.52	26.6	2.38	25.2	2.03	24.7	1.96	23.5	1.82	22.4	1.75
		115.5	28.1	2.45	26.6	2.38	25.2	2.01	24.7	1.96	23.5	1.82	22.4	1.75
90	-5	30.8	9.6	4.14	9.3	3.77	9.0	3.31	8.9	3.15	8.9	3.04	8.7	2.73
		38.5	9.9	4.21	9.6	3.84	9.3	3.38	9.2	3.22	9.2	3.11	9.0	2.79
		77.0	11.2	4.49	10.9	4.12	10.5	3.67	10.5	3.50	10.4	3.37	10.2	3.03
		96.3	12.4	4.77	12.0	4.41	11.6	3.96	11.5	3.77	11.5	3.64	11.3	3.27
		115.5	13.0	4.91	12.5	4.56	12.2	4.11	12.1	3.91	12.0	3.77	11.8	3.39
	0	30.8	17.1	5.63	16.3	5.29	15.6	4.85	15.3	4.63	15.1	4.46	14.5	4.00
		38.5	17.2	5.65	16.4	5.30	15.7	4.87	15.4	4.64	15.2	4.47	14.6	4.01
		77.0	17.6	5.71	16.8	5.36	16.0	4.92	15.8	4.69	15.5	4.52	15.0	4.06
		96.3	17.9	5.71	17.0	5.36	16.3	4.92	16.0	4.69	15.8	4.52	15.2	4.06
		115.5	18.0	5.71	17.2	5.36	16.4	4.92	16.1	4.69	15.9	4.52	15.3	4.06
	5	30.8	24.2	6.05	23.4	5.71	22.6	5.28	22.2	5.04	21.2	4.85	20.2	4.35
		38.5	24.2	6.08	23.4	5.74	22.6	5.31	22.2	5.06	21.2	4.87	20.2	4.37
		77.0	24.3	6.18	23.3	5.84	22.6	5.41	22.2	5.16	21.2	4.97	20.2	4.46
		96.3	24.4	6.22	23.4	5.88	22.6	5.45	22.2	5.20	21.2	5.01	20.2	4.50
		115.5	24.5	6.24	23.4	5.90	22.6	5.47	22.2	5.22	21.2	5.03	20.2	4.52
	10	30.8	24.3	5.34	23.5	5.08	22.6	4.78	22.2	4.59	21.2	4.40	20.2	3.96
		38.5	24.3	5.34	23.4	5.08	22.6	4.79	22.2	4.59	21.2	4.40	20.2	3.97
		77.0	24.2	5.36	23.3	5.11	22.6	4.81	22.2	4.61	21.2	4.38	20.2	3.98
		96.3	24.4	5.34	23.4	5.09	22.6	4.79	22.2	4.60	21.2	4.40	20.2	4.00
		115.5	24.5	5.34	23.4	5.08	22.6	4.79	22.2	4.59	21.2	4.40	20.2	4.00
	15	30.8	24.4	4.62	23.6	4.46	22.6	4.29	22.2	4.14	21.2	3.95	20.2	3.59
		38.5	24.4	4.61	23.5	4.44	22.6	4.27	22.2	4.13	21.2	3.92	20.2	3.57
		77.0	24.2	4.53	23.3	4.37	22.6	4.20	22.2	4.06	21.2	3.78	20.2	3.50
		96.3	24.4	4.47	23.4	4.30	22.6	4.13	22.2	3.99	21.2	3.78	20.2	3.50
		115.5	24.5	4.44	23.5	4.27	22.6	4.09	22.2	3.95	21.2	3.78	20.2	3.50
	20	30.8	24.6	3.90	23.7	3.79	22.6	3.66	22.2	3.51	21.2	3.39	20.2	3.18
		38.5	24.5	3.90	23.6	3.78	22.6	3.64	22.2	3.50	21.2	3.36	20.2	3.15
		77.0	24.4	3.90	23.4	3.74	22.6	3.57	22.2	3.43	21.2	3.22	20.2	3.01
		96.3	24.5	3.84	23.5	3.71	22.6	3.57	22.2	3.43	21.2	3.22	20.2	3.01
		115.5	24.6	3.81	23.5	3.69	22.6	3.57	22.2	3.43	21.2	3.22	20.2	3.01
	25	30.8	25.0	3.41	24.0	3.23	22.6	3.09	22.2	2.94	21.2	2.82	20.2	2.61
		38.5	25.0	3.40	24.0	3.22	22.6	3.08	22.2	2.94	21.2	2.80	20.2	2.59
		77.0	25.3	3.37	24.0	3.19	22.6	3.01	22.2	2.94	21.2	2.73	20.2	2.52
		96.3	25.4	3.29	24.0	3.12	22.6	3.01	22.2	2.87	21.2	2.73	20.2	2.52
		115.5	25.4	3.24	24.0	3.08	22.6	3.01	22.2	2.83	21.2	2.73	20.2	2.52
	30	30.8	25.4	3.09	24.0	2.88	22.6	2.67	22.2	2.61	21.2	2.46	20.2	2.24
		38.5	25.4	3.08	24.0	2.87	22.6	2.66	22.2	2.59	21.2	2.45	20.2	2.24
		77.0	25.4	3.01	24.0	2.80	22.6	2.59	22.2	2.52	21.2	2.38	20.2	2.24
		96.3	25.4	2.94	24.0	2.73	22.6	2.59	22.2	2.52	21.2	2.38	20.2	2.17
		115.5	25.4	2.90	24.0	2.69	22.6	2.59	22.2	2.52	21.2	2.38	20.2	2.14

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(8HP)

Combination m(%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	30.8	25.4	2.82	24.0	2.61	22.6	2.40	22.2	2.33	21.2	2.19	20.2	2.04
		38.5	25.4	2.80	24.0	2.59	22.6	2.38	22.2	2.31	21.2	2.17	20.2	2.03
		77.0	25.4	2.73	24.0	2.52	22.6	2.31	22.2	2.24	21.2	2.10	20.2	1.96
		96.3	25.4	2.66	24.0	2.45	22.6	2.24	22.2	2.17	21.2	2.10	20.2	1.96
		115.5	25.4	2.62	24.0	2.41	22.6	2.20	22.2	2.14	21.2	2.10	20.2	1.96
	40	30.8	25.4	2.63	24.0	2.40	22.6	2.12	22.2	2.04	21.2	1.98	20.2	1.83
		38.5	25.4	2.59	24.0	2.38	22.6	2.10	22.2	2.03	21.2	1.96	20.2	1.82
		77.0	25.4	2.45	24.0	2.31	22.6	2.03	22.2	1.96	21.2	1.89	20.2	1.75
		96.3	25.4	2.45	24.0	2.31	22.6	2.03	22.2	1.96	21.2	1.89	20.2	1.75
		115.5	25.4	2.45	24.0	2.31	22.6	2.03	22.2	1.96	21.2	1.89	20.2	1.75
	45	30.8	25.4	2.44	24.0	2.19	22.6	1.83	22.2	1.77	21.2	1.77	20.2	1.62
		38.5	25.4	2.38	24.0	2.17	22.6	1.82	22.2	1.75	21.2	1.75	20.2	1.61
		77.0	25.4	2.17	24.0	2.10	22.6	1.75	22.2	1.68	21.2	1.68	20.2	1.54
		96.3	25.4	2.24	24.0	2.17	22.6	1.82	22.2	1.75	21.2	1.68	20.2	1.54
		115.5	25.4	2.27	24.0	2.21	22.6	1.85	22.2	1.79	21.2	1.68	20.2	1.54
80	-5	30.8	9.0	2.95	8.5	2.83	8.0	2.71	7.9	2.62	7.9	2.50	7.7	2.30
		38.5	9.4	3.01	8.8	2.90	8.3	2.77	8.2	2.68	8.2	2.56	8.0	2.35
		77.0	10.6	3.27	9.9	3.14	9.4	3.01	9.3	2.90	9.2	2.77	9.0	2.55
		96.3	11.7	3.53	10.9	3.39	10.4	3.24	10.2	3.14	10.2	2.99	10.0	2.75
		115.5	12.3	3.65	11.5	3.51	10.9	3.36	10.7	3.25	10.7	3.10	10.5	2.85
	0	30.8	16.1	4.32	14.9	4.15	13.9	3.98	13.6	3.84	13.4	3.66	12.9	3.37
		38.5	16.2	4.34	15.0	4.16	13.9	3.99	13.7	3.85	13.5	3.67	13.0	3.38
		77.0	16.6	4.39	15.3	4.21	14.3	4.03	14.0	3.90	13.8	3.71	13.3	3.42
		96.3	16.9	4.39	15.6	4.21	14.5	4.03	14.2	3.90	14.0	3.71	13.5	3.42
		115.5	17.0	4.39	15.7	4.21	14.6	4.03	14.3	3.90	14.1	3.71	13.6	3.42
	5	30.8	22.3	4.70	21.1	4.53	20.2	4.32	19.7	4.18	18.9	3.98	17.9	3.67
		38.5	22.4	4.73	21.1	4.55	20.2	4.34	19.7	4.20	18.9	4.00	17.9	3.69
		77.0	22.6	4.83	21.3	4.63	20.2	4.44	19.7	4.29	18.9	4.08	17.9	3.77
		96.3	22.6	4.86	21.3	4.67	20.2	4.47	19.7	4.32	18.9	4.11	17.9	3.79
		115.5	22.6	4.87	21.2	4.69	20.2	4.48	19.7	4.33	18.9	4.13	17.9	3.80
	10	30.8	22.5	4.33	21.2	4.13	20.2	3.92	19.7	3.81	18.9	3.61	17.9	3.34
		38.5	22.5	4.32	21.2	4.13	20.2	3.92	19.7	3.82	18.9	3.61	17.9	3.35
		77.0	22.6	4.30	21.3	4.11	20.2	3.93	19.7	3.82	18.9	3.62	17.9	3.35
		96.3	22.6	4.29	21.3	4.12	20.2	3.95	19.7	3.80	18.9	3.60	17.9	3.33
		115.5	22.6	4.28	21.2	4.13	20.2	3.95	19.7	3.79	18.9	3.59	17.9	3.32
	15	30.8	22.6	3.95	21.3	3.74	20.2	3.51	19.7	3.45	18.9	3.24	17.9	3.03
		38.5	22.6	3.92	21.3	3.71	20.2	3.50	19.7	3.43	18.9	3.22	17.9	3.01
		77.0	22.6	3.78	21.3	3.57	20.2	3.43	19.7	3.36	18.9	3.15	17.9	2.94
		96.3	22.6	3.71	21.3	3.57	20.2	3.43	19.7	3.29	18.9	3.08	17.9	2.87
		115.5	22.6	3.67	21.3	3.57	20.2	3.43	19.7	3.25	18.9	3.04	17.9	2.83
	20	30.8	22.6	3.30	21.3	3.17	20.2	3.01	19.7	2.96	18.9	2.82	17.9	2.61
		38.5	22.6	3.29	21.3	3.15	20.2	3.01	19.7	2.94	18.9	2.80	17.9	2.59
		77.0	22.6	3.22	21.3	3.08	20.2	3.01	19.7	2.87	18.9	2.73	17.9	2.52
		96.3	22.6	3.15	21.3	3.01	20.2	2.94	19.7	2.87	18.9	2.66	17.9	2.52
		115.5	22.6	3.11	21.3	2.98	20.2	2.90	19.7	2.87	18.9	2.62	17.9	2.52
	25	30.8	22.6	2.96	21.3	2.75	20.2	2.59	19.7	2.54	18.9	2.40	17.9	2.25
		38.5	22.6	2.94	21.3	2.73	20.2	2.59	19.7	2.52	18.9	2.38	17.9	2.24
		77.0	22.6	2.87	21.3	2.66	20.2	2.59	19.7	2.45	18.9	2.31	17.9	2.17
		96.3	22.6	2.80	21.3	2.66	20.2	2.52	19.7	2.45	18.9	2.31	17.9	2.17
		115.5	22.6	2.77	21.3	2.66	20.2	2.48	19.7	2.45	18.9	2.31	17.9	2.17
	30	30.8	22.6	2.61	21.3	2.46	20.2	2.33	19.7	2.25	18.9	2.12	17.9	1.98
		38.5	22.6	2.59	21.3	2.45	20.2	2.31	19.7	2.24	18.9	2.10	17.9	1.96
		77.0	22.6	2.52	21.3	2.38	20.2	2.24	19.7	2.17	18.9	2.03	17.9	1.89
		96.3	22.6	2.52	21.3	2.38	20.2	2.24	19.7	2.17	18.9	2.03	17.9	1.89
		115.5	22.6	2.52	21.3	2.38	20.2	2.24	19.7	2.17	18.9	2.03	17.9	1.89
	35	30.8	22.6	2.40	21.3	2.25	20.2	2.04	19.7	1.96	18.9	1.91	17.9	1.75
		38.5	22.6	2.38	21.3	2.24	20.2	2.03	19.7	1.96	18.9	1.89	17.9	1.75
		77.0	22.6	2.31	21.3	2.17	20.2	1.96	19.7	1.96	18.9	1.82	17.9	1.75
		96.3	22.6	2.31	21.3	2.10	20.2	1.96	19.7	1.89	18.9	1.82	17.9	1.68
		115.5	22.6	2.31	21.3	2.06	20.2	1.96	19.7	1.85	18.9	1.82	17.9	1.64
	40	30.8	22.6	2.27	21.3	2.04	20.2	1.82	19.7	1.83	18.9	1.68	17.9	1.62
		38.5	22.6	2.24	21.3	2.03	20.2	1.82	19.7	1.82	18.9	1.68	17.9	1.61
		77.0	22.6	2.10	21.3	1.96	20.2	1.82	19.7	1.75	18.9	1.68	17.9	1.54
		96.3	22.6	2.10	21.3	1.96	20.2	1.75	19.7	1.75	18.9	1.68	17.9	1.54
		115.5	22.6	2.10	21.3	1.96	20.2	1.72	19.7	1.75	18.9	1.68	17.9	1.54

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	30.8	22.6	2.15	21.3	1.83	20.2	1.59	19.7	1.71	18.9	1.45	17.9	1.50
		38.5	22.6	2.10	21.3	1.82	20.2	1.61	19.7	1.68	18.9	1.47	17.9	1.47
		77.0	22.6	1.89	21.3	1.75	20.2	1.68	19.7	1.54	18.9	1.54	17.9	1.33
		96.3	22.6	1.89	21.3	1.82	20.2	1.54	19.7	1.61	18.9	1.54	17.9	1.40
		115.5	22.6	1.89	21.3	1.85	20.2	1.47	19.7	1.64	18.9	1.54	17.9	1.43
70	-5	30.8	7.9	2.53	7.4	2.41	7.0	2.33	6.9	2.20	6.9	2.12	6.8	1.93
		38.5	8.2	2.59	7.7	2.46	7.2	2.38	7.2	2.24	7.1	2.17	7.0	1.97
		77.0	9.2	2.80	8.7	2.67	8.2	2.59	8.1	2.43	8.1	2.35	7.9	2.14
		96.3	10.2	3.03	9.6	2.88	9.0	2.79	9.0	2.62	8.9	2.53	8.7	2.30
		115.5	10.7	3.14	10.0	2.99	9.5	2.89	9.4	2.72	9.3	2.63	9.2	2.39
	0	30.8	14.1	3.70	13.1	3.53	12.1	3.41	11.9	3.21	11.7	3.10	11.3	2.82
		38.5	14.2	3.71	13.1	3.54	12.2	3.43	12.0	3.22	11.8	3.11	11.4	2.83
		77.0	14.5	3.76	13.4	3.58	12.5	3.47	12.3	3.26	12.1	3.15	11.6	2.86
		96.3	14.7	3.76	13.6	3.58	12.7	3.47	12.4	3.26	12.3	3.15	11.8	2.86
		115.5	14.9	3.76	13.7	3.58	12.8	3.47	12.5	3.26	12.4	3.15	11.9	2.86
	5	30.8	19.5	4.04	18.5	3.84	17.6	3.72	17.2	3.50	16.5	3.38	15.7	3.07
		38.5	19.6	4.06	18.5	3.86	17.6	3.74	17.2	3.52	16.5	3.40	15.7	3.08
		77.0	19.7	4.13	18.7	3.94	17.6	3.82	17.2	3.58	16.5	3.47	15.7	3.15
		96.3	19.7	4.16	18.6	3.97	17.6	3.85	17.2	3.61	16.5	3.49	15.7	3.17
		115.5	19.7	4.18	18.6	3.98	17.6	3.86	17.2	3.63	16.5	3.50	15.7	3.18
	10	30.8	19.6	3.71	18.5	3.51	17.6	3.38	17.2	3.19	16.5	3.06	15.7	2.80
		38.5	19.6	3.71	18.6	3.50	17.6	3.37	17.2	3.19	16.5	3.06	15.7	2.80
		77.0	19.7	3.68	18.6	3.48	17.6	3.35	17.2	3.19	16.5	3.06	15.7	2.80
		96.3	19.7	3.69	18.6	3.49	17.6	3.36	17.2	3.21	16.5	3.04	15.7	2.81
		115.5	19.7	3.70	18.6	3.50	17.6	3.37	17.2	3.22	16.5	3.03	15.7	2.81
	15	30.8	19.7	3.39	18.6	3.18	17.6	3.05	17.2	2.88	16.5	2.75	15.7	2.54
		38.5	19.7	3.36	18.6	3.15	17.6	3.01	17.2	2.87	16.5	2.73	15.7	2.52
		77.0	19.7	3.22	18.6	3.01	17.6	2.87	17.2	2.80	16.5	2.66	15.7	2.45
		96.3	19.7	3.22	18.6	3.01	17.6	2.87	17.2	2.80	16.5	2.59	15.7	2.45
		115.5	19.7	3.22	18.6	3.01	17.6	2.87	17.2	2.80	16.5	2.56	15.7	2.45
	20	30.8	19.7	2.82	18.6	2.67	17.6	2.61	17.2	2.54	16.5	2.40	15.7	2.25
		38.5	19.7	2.80	18.6	2.66	17.6	2.59	17.2	2.52	16.5	2.38	15.7	2.24
		77.0	19.7	2.73	18.6	2.59	17.6	2.52	17.2	2.45	16.5	2.31	15.7	2.17
		96.3	19.7	2.73	18.6	2.59	17.6	2.52	17.2	2.38	16.5	2.31	15.7	2.10
		115.5	19.7	2.73	18.6	2.59	17.6	2.52	17.2	2.35	16.5	2.31	15.7	2.06
	25	30.8	19.7	2.54	18.6	2.40	17.6	2.25	17.2	2.19	16.5	2.03	15.7	1.89
		38.5	19.7	2.52	18.6	2.38	17.6	2.24	17.2	2.17	16.5	2.03	15.7	1.89
		77.0	19.7	2.45	18.6	2.31	17.6	2.17	17.2	2.10	16.5	2.03	15.7	1.89
		96.3	19.7	2.38	18.6	2.24	17.6	2.17	17.2	2.10	16.5	1.96	15.7	1.89
		115.5	19.7	2.35	18.6	2.20	17.6	2.17	17.2	2.10	16.5	1.93	15.7	1.89
	30	30.8	19.7	2.25	18.6	2.12	17.6	1.98	17.2	1.89	16.5	1.83	15.7	1.68
		38.5	19.7	2.24	18.6	2.10	17.6	1.96	17.2	1.89	16.5	1.82	15.7	1.68
		77.0	19.7	2.17	18.6	2.03	17.6	1.89	17.2	1.89	16.5	1.75	15.7	1.68
		96.3	19.7	2.17	18.6	2.03	17.6	1.89	17.2	1.82	16.5	1.75	15.7	1.68
		115.5	19.7	2.17	18.6	2.03	17.6	1.89	17.2	1.78	16.5	1.75	15.7	1.68
	35	30.8	19.7	2.04	18.6	1.91	17.6	1.75	17.2	1.77	16.5	1.61	15.7	1.56
		38.5	19.7	2.03	18.6	1.89	17.6	1.75	17.2	1.75	16.5	1.61	15.7	1.54
		77.0	19.7	1.96	18.6	1.82	17.6	1.75	17.2	1.68	16.5	1.61	15.7	1.47
		96.3	19.7	1.96	18.6	1.82	17.6	1.68	17.2	1.68	16.5	1.61	15.7	1.47
		115.5	19.7	1.96	18.6	1.82	17.6	1.64	17.2	1.68	16.5	1.61	15.7	1.47
	40	30.8	19.7	1.91	18.6	1.77	17.6	1.62	17.2	1.54	16.5	1.47	15.7	1.41
		38.5	19.7	1.89	18.6	1.75	17.6	1.61	17.2	1.54	16.5	1.47	15.7	1.40
		77.0	19.7	1.82	18.6	1.68	17.6	1.54	17.2	1.54	16.5	1.47	15.7	1.33
		96.3	19.7	1.82	18.6	1.68	17.6	1.54	17.2	1.47	16.5	1.40	15.7	1.33
		115.5	19.7	1.82	18.6	1.68	17.6	1.54	17.2	1.43	16.5	1.36	15.7	1.33
	45	30.8	19.7	1.77	18.6	1.62	17.6	1.50	17.2	1.32	16.5	1.33	15.7	1.28
		38.5	19.7	1.75	18.6	1.61	17.6	1.47	17.2	1.33	16.5	1.33	15.7	1.26
		77.0	19.7	1.68	18.6	1.54	17.6	1.33	17.2	1.40	16.5	1.33	15.7	1.19
		96.3	19.7	1.68	18.6	1.54	17.6	1.40	17.2	1.26	16.5	1.19	15.7	1.19
		115.5	19.7	1.68	18.6	1.54	17.6	1.43	17.2	1.19	16.5	1.11	15.7	1.19
60	-5	30.8	6.8	2.05	6.3	1.98	6.0	1.90	5.9	1.76	5.9	1.74	5.8	1.55
		38.5	7.0	2.10	6.6	2.02	6.2	1.94	6.1	1.80	6.1	1.77	6.0	1.59
		77.0	7.9	2.28	7.4	2.19	7.0	2.11	7.0	1.96	6.9	1.93	6.8	1.72
		96.3	8.8	2.45	8.2	2.37	7.8	2.27	7.7	2.11	7.7	2.08	7.5	1.85
		115.5	9.2	2.54	8.6	2.46	8.2	2.36	8.1	2.19	8.0	2.15	7.9	1.92

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	30.8	12.1	3.01	11.2	2.90	10.4	2.78	10.2	2.59	10.1	2.55	9.7	2.28
		38.5	12.2	3.02	11.2	2.91	10.5	2.79	10.3	2.59	10.1	2.56	9.8	2.28
		77.0	12.5	3.06	11.5	2.94	10.7	2.82	10.5	2.62	10.4	2.59	10.0	2.30
		96.3	12.7	3.06	11.7	2.94	10.9	2.82	10.7	2.62	10.5	2.59	10.1	2.30
		115.5	12.8	3.06	11.8	2.94	11.0	2.82	10.7	2.62	10.6	2.59	10.2	2.30
	5	30.8	16.7	3.28	15.8	3.16	15.1	3.02	14.8	2.82	14.1	2.77	13.5	2.47
		38.5	16.8	3.29	15.8	3.17	15.1	3.04	14.8	2.83	14.1	2.79	13.5	2.48
		77.0	16.9	3.36	15.9	3.24	15.1	3.11	14.8	2.89	14.1	2.85	13.5	2.53
		96.3	16.9	3.39	15.9	3.26	15.1	3.13	14.8	2.91	14.1	2.86	13.5	2.56
		115.5	16.9	3.40	15.9	3.27	15.1	3.14	14.8	2.92	14.1	2.87	13.5	2.57
	10	30.8	16.8	3.01	15.9	2.88	15.1	2.74	14.8	2.56	14.1	2.51	13.5	2.25
		38.5	16.9	3.01	15.9	2.88	15.1	2.74	14.8	2.57	14.1	2.51	13.5	2.26
		77.0	16.9	3.01	15.9	2.88	15.1	2.74	14.8	2.60	14.1	2.51	13.5	2.28
		96.3	16.9	3.02	15.9	2.85	15.1	2.72	14.8	2.57	14.1	2.48	13.5	2.26
		115.5	16.9	3.02	15.9	2.84	15.1	2.70	14.8	2.56	14.1	2.47	13.5	2.25
	15	30.8	16.9	2.75	15.9	2.61	15.1	2.46	14.8	2.31	14.1	2.25	13.5	2.03
		38.5	16.9	2.73	15.9	2.59	15.1	2.45	14.8	2.31	14.1	2.24	13.5	2.03
		77.0	16.9	2.66	15.9	2.52	15.1	2.38	14.8	2.31	14.1	2.17	13.5	2.03
		96.3	16.9	2.66	15.9	2.45	15.1	2.31	14.8	2.24	14.1	2.10	13.5	1.96
		115.5	16.9	2.66	15.9	2.41	15.1	2.27	14.8	2.20	14.1	2.06	13.5	1.93
	20	30.8	16.9	2.40	15.9	2.25	15.1	2.12	14.8	2.04	14.1	1.98	13.5	1.83
		38.5	16.9	2.38	15.9	2.24	15.1	2.10	14.8	2.03	14.1	1.96	13.5	1.82
		77.0	16.9	2.31	15.9	2.17	15.1	2.03	14.8	1.96	14.1	1.89	13.5	1.75
		96.3	16.9	2.31	15.9	2.17	15.1	2.03	14.8	1.96	14.1	1.89	13.5	1.75
		115.5	16.9	2.31	15.9	2.17	15.1	2.03	14.8	1.96	14.1	1.89	13.5	1.75
	25	30.8	16.9	2.12	15.9	1.98	15.1	1.82	14.8	1.83	14.1	1.68	13.5	1.62
		38.5	16.9	2.10	15.9	1.96	15.1	1.82	14.8	1.82	14.1	1.68	13.5	1.61
		77.0	16.9	2.03	15.9	1.89	15.1	1.82	14.8	1.75	14.1	1.68	13.5	1.54
		96.3	16.9	2.03	15.9	1.89	15.1	1.75	14.8	1.75	14.1	1.68	13.5	1.54
		115.5	16.9	2.03	15.9	1.89	15.1	1.72	14.8	1.75	14.1	1.68	13.5	1.54
	30	30.8	16.9	1.91	15.9	1.77	15.1	1.70	14.8	1.62	14.1	1.56	13.5	1.49
		38.5	16.9	1.89	15.9	1.75	15.1	1.68	14.8	1.61	14.1	1.54	13.5	1.47
		77.0	16.9	1.82	15.9	1.68	15.1	1.61	14.8	1.54	14.1	1.47	13.5	1.40
		96.3	16.9	1.82	15.9	1.68	15.1	1.61	14.8	1.54	14.1	1.47	13.5	1.40
		115.5	16.9	1.82	15.9	1.68	15.1	1.61	14.8	1.54	14.1	1.47	13.5	1.40
	35	30.8	16.9	1.68	15.9	1.62	15.1	1.47	14.8	1.49	14.1	1.41	13.5	1.35
		38.5	16.9	1.68	15.9	1.61	15.1	1.47	14.8	1.47	14.1	1.40	13.5	1.33
		77.0	16.9	1.68	15.9	1.54	15.1	1.47	14.8	1.40	14.1	1.33	13.5	1.26
		96.3	16.9	1.68	15.9	1.54	15.1	1.40	14.8	1.40	14.1	1.33	13.5	1.26
		115.5	16.9	1.68	15.9	1.54	15.1	1.36	14.8	1.40	14.1	1.33	13.5	1.26
	40	30.8	16.9	1.54	15.9	1.49	15.1	1.33	14.8	1.35	14.1	1.28	13.5	1.19
		38.5	16.9	1.54	15.9	1.47	15.1	1.33	14.8	1.33	14.1	1.26	13.5	1.19
		77.0	16.9	1.54	15.9	1.40	15.1	1.33	14.8	1.26	14.1	1.19	13.5	1.19
		96.3	16.9	1.54	15.9	1.40	15.1	1.33	14.8	1.26	14.1	1.19	13.5	1.19
		115.5	16.9	1.54	15.9	1.40	15.1	1.33	14.8	1.26	14.1	1.19	13.5	1.19
	45	30.8	16.9	1.40	15.9	1.35	15.1	1.19	14.8	1.20	14.1	1.14	13.5	1.03
		38.5	16.9	1.40	15.9	1.33	15.1	1.19	14.8	1.19	14.1	1.12	13.5	1.05
		77.0	16.9	1.40	15.9	1.26	15.1	1.19	14.8	1.12	14.1	1.05	13.5	1.12
		96.3	16.9	1.40	15.9	1.26	15.1	1.26	14.8	1.12	14.1	1.05	13.5	1.12
		115.5	16.9	1.40	15.9	1.26	15.1	1.30	14.8	1.12	14.1	1.05	13.5	1.12
50	-5	30.8	5.6	1.64	5.3	1.55	5.0	1.47	4.9	1.39	4.9	1.30	4.8	1.23
		38.5	5.8	1.67	5.5	1.59	5.2	1.50	5.1	1.42	5.1	1.33	5.0	1.26
		77.0	6.6	1.81	6.2	1.72	5.9	1.62	5.8	1.54	5.8	1.45	5.6	1.36
		96.3	7.3	1.96	6.8	1.85	6.5	1.75	6.4	1.67	6.4	1.56	6.3	1.47
		115.5	7.6	2.03	7.2	1.92	6.8	1.82	6.7	1.73	6.6	1.61	6.6	1.52
	0	30.8	10.1	2.40	9.3	2.28	8.7	2.14	8.5	2.03	8.4	1.91	8.1	1.80
		38.5	10.1	2.40	9.4	2.28	8.7	2.15	8.5	2.04	8.4	1.92	8.1	1.81
		77.0	10.4	2.43	9.6	2.30	8.9	2.18	8.7	2.07	8.6	1.94	8.3	1.83
		96.3	10.5	2.43	9.7	2.30	9.0	2.18	8.9	2.07	8.7	1.94	8.4	1.83
		115.5	10.6	2.43	9.8	2.30	9.1	2.18	9.0	2.07	8.8	1.94	8.5	1.83
	5	30.8	13.9	2.61	13.2	2.47	12.6	2.33	12.3	2.22	11.7	2.08	11.2	1.96
		38.5	13.9	2.62	13.2	2.48	12.6	2.35	12.3	2.23	11.7	2.09	11.2	1.97
		77.0	14.1	2.67	13.3	2.53	12.6	2.40	12.3	2.27	11.7	2.13	11.2	2.01
		96.3	14.1	2.69	13.3	2.56	12.6	2.41	12.3	2.29	11.7	2.15	11.2	2.03
		115.5	14.1	2.70	13.3	2.57	12.6	2.42	12.3	2.30	11.7	2.16	11.2	2.03

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	30.8	14.0	2.40	13.2	2.26	12.6	2.13	12.3	2.03	11.7	1.88	11.2	1.79
		38.5	14.0	2.40	13.2	2.26	12.6	2.12	12.3	2.03	11.7	1.88	11.2	1.79
		77.0	14.1	2.38	13.3	2.25	12.6	2.11	12.3	2.01	11.7	1.90	11.2	1.77
		96.3	14.1	2.40	13.3	2.26	12.6	2.11	12.3	2.02	11.7	1.88	11.2	1.78
		115.5	14.1	2.40	13.3	2.26	12.6	2.12	12.3	2.02	11.7	1.86	11.2	1.79
	15	30.8	14.1	2.19	13.3	2.04	12.6	1.91	12.3	1.83	11.7	1.68	11.2	1.62
		38.5	14.1	2.17	13.3	2.03	12.6	1.89	12.3	1.82	11.7	1.68	11.2	1.61
		77.0	14.1	2.10	13.3	1.96	12.6	1.82	12.3	1.75	11.7	1.68	11.2	1.54
		96.3	14.1	2.10	13.3	1.96	12.6	1.82	12.3	1.75	11.7	1.61	11.2	1.54
		115.5	14.1	2.10	13.3	1.96	12.6	1.82	12.3	1.75	11.7	1.57	11.2	1.54
	20	30.8	14.1	1.91	13.3	1.77	12.6	1.70	12.3	1.62	11.7	1.56	11.2	1.40
		38.5	14.1	1.89	13.3	1.75	12.6	1.68	12.3	1.61	11.7	1.54	11.2	1.40
		77.0	14.1	1.82	13.3	1.68	12.6	1.61	12.3	1.54	11.7	1.47	11.2	1.40
		96.3	14.1	1.82	13.3	1.68	12.6	1.61	12.3	1.54	11.7	1.47	11.2	1.40
		115.5	14.1	1.82	13.3	1.68	12.6	1.61	12.3	1.54	11.7	1.47	11.2	1.40
	25	30.8	14.1	1.70	13.3	1.54	12.6	1.49	12.3	1.40	11.7	1.33	11.2	1.26
		38.5	14.1	1.68	13.3	1.54	12.6	1.47	12.3	1.40	11.7	1.33	11.2	1.26
		77.0	14.1	1.61	13.3	1.54	12.6	1.40	12.3	1.40	11.7	1.33	11.2	1.26
		96.3	14.1	1.61	13.3	1.54	12.6	1.40	12.3	1.40	11.7	1.33	11.2	1.26
		115.5	14.1	1.61	13.3	1.54	12.6	1.40	12.3	1.40	11.7	1.33	11.2	1.26
	30	30.8	14.1	1.56	13.3	1.41	12.6	1.35	12.3	1.26	11.7	1.28	11.2	1.20
		38.5	14.1	1.54	13.3	1.40	12.6	1.33	12.3	1.26	11.7	1.26	11.2	1.19
		77.0	14.1	1.47	13.3	1.33	12.6	1.26	12.3	1.26	11.7	1.19	11.2	1.12
		96.3	14.1	1.47	13.3	1.33	12.6	1.26	12.3	1.26	11.7	1.19	11.2	1.12
		115.5	14.1	1.47	13.3	1.33	12.6	1.26	12.3	1.26	11.7	1.19	11.2	1.12
	35	30.8	14.1	1.41	13.3	1.26	12.6	1.19	12.3	1.20	11.7	1.12	11.2	1.05
		38.5	14.1	1.40	13.3	1.26	12.6	1.19	12.3	1.19	11.7	1.12	11.2	1.05
		77.0	14.1	1.33	13.3	1.26	12.6	1.19	12.3	1.12	11.7	1.12	11.2	1.05
		96.3	14.1	1.33	13.3	1.26	12.6	1.19	12.3	1.12	11.7	1.12	11.2	1.05
		115.5	14.1	1.33	13.3	1.26	12.6	1.19	12.3	1.12	11.7	1.12	11.2	1.05
	40	30.8	14.1	1.28	13.3	1.20	12.6	1.14	12.3	1.05	11.7	1.07	11.2	0.98
		38.5	14.1	1.26	13.3	1.19	12.6	1.12	12.3	1.05	11.7	1.05	11.2	0.98
		77.0	14.1	1.19	13.3	1.12	12.6	1.05	12.3	1.05	11.7	0.98	11.2	0.98
		96.3	14.1	1.19	13.3	1.12	12.6	1.05	12.3	1.05	11.7	0.98	11.2	0.98
		115.5	14.1	1.19	13.3	1.12	12.6	1.05	12.3	1.05	11.7	0.98	11.2	0.98
	45	30.8	14.1	1.14	13.3	1.16	12.6	1.08	12.3	0.90	11.7	1.01	11.2	0.91
		38.5	14.1	1.12	13.3	1.12	12.6	1.05	12.3	0.91	11.7	0.98	11.2	0.91
		77.0	14.1	1.05	13.3	0.98	12.6	0.91	12.3	0.98	11.7	0.84	11.2	0.91
		96.3	14.1	1.05	13.3	0.98	12.6	0.91	12.3	0.98	11.7	0.84	11.2	0.91
		115.5	14.1	1.05	13.3	0.98	12.6	0.91	12.3	0.98	11.7	0.84	11.2	0.91

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(10HP)

ARWN100LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	38.4	14.9	5.59	14.8	5.27	14.7	4.90	14.5	4.76	14.7	4.63	14.3	4.15
		48.0	15.4	5.69	15.3	5.37	15.2	5.01	15.0	4.86	15.2	4.73	14.8	4.24
		96.0	17.4	6.08	17.3	5.77	17.2	5.43	17.0	5.28	17.2	5.13	16.7	4.60
		120.0	19.3	6.46	19.1	6.17	19.0	5.86	18.8	5.70	19.0	5.53	18.5	4.96
		144.0	20.2	6.66	20.0	6.37	19.9	6.07	19.7	5.91	19.9	5.74	19.4	5.14
	0	38.4	26.6	7.65	26.0	7.42	25.5	7.18	24.9	6.98	25.0	6.79	23.9	6.08
		48.0	26.8	7.67	26.2	7.44	25.6	7.20	25.1	7.00	25.1	6.80	24.0	6.09
		96.0	27.4	7.75	26.8	7.51	26.2	7.28	25.6	7.08	25.7	6.88	24.6	6.17
		120.0	27.8	7.75	27.2	7.51	26.6	7.28	26.0	7.08	26.1	6.88	24.9	6.17
		144.0	28.0	7.75	27.4	7.51	26.8	7.28	26.2	7.08	26.3	6.88	25.1	6.17
	5	38.4	38.3	8.22	37.8	8.02	37.0	7.81	36.0	7.59	35.1	7.38	33.1	6.61
		48.0	38.5	8.26	37.8	8.06	37.0	7.85	36.0	7.63	35.1	7.42	33.1	6.65
		96.0	39.0	8.41	38.1	8.20	37.0	8.01	36.0	7.79	35.1	7.57	33.1	6.79
		120.0	39.2	8.46	38.2	8.26	37.0	8.07	36.0	7.84	35.1	7.62	33.1	6.83
		144.0	39.4	8.49	38.3	8.29	37.0	8.09	36.0	7.87	35.1	7.65	33.1	6.85
	10	38.4	38.4	7.48	37.8	7.23	36.9	7.09	35.9	6.94	34.9	6.70	33.0	6.04
		48.0	38.6	7.47	37.9	7.24	37.0	7.11	36.0	6.93	35.1	6.69	33.1	6.04
		96.0	39.5	7.41	38.6	7.26	37.6	7.16	36.6	6.92	35.6	6.68	33.7	6.02
		120.0	39.7	7.51	38.9	7.37	37.8	7.19	36.8	6.95	35.8	6.79	33.9	6.31
		144.0	39.8	7.56	39.0	7.42	37.9	7.20	36.9	6.97	36.0	6.84	34.0	6.45
	15	38.4	38.4	6.74	37.8	6.45	36.7	6.39	35.7	6.28	34.8	6.01	32.9	5.48
		48.0	38.8	6.68	38.1	6.43	37.0	6.37	36.0	6.23	35.1	5.97	33.1	5.43
		96.0	40.0	6.41	39.2	6.32	38.2	6.32	37.2	6.05	36.1	5.78	34.2	5.25
		120.0	40.2	6.56	39.6	6.46	38.6	6.32	37.6	6.05	36.6	5.95	34.6	5.78
		144.0	40.3	6.64	39.8	6.54	38.9	6.32	37.8	6.05	36.9	6.03	34.8	6.05
	20	38.4	39.9	6.19	39.2	5.90	38.1	5.77	37.1	5.58	36.0	5.46	33.9	5.29
		48.0	40.2	6.14	39.5	5.89	38.4	5.76	37.4	5.61	36.3	5.50	34.2	5.25
		96.0	41.5	5.97	40.8	5.87	39.6	5.75	38.6	5.70	37.6	5.64	35.5	5.07
		120.0	41.7	5.97	41.1	5.87	40.1	5.78	38.9	5.70	37.9	5.64	35.7	5.40
		144.0	41.8	5.97	41.2	5.87	40.3	5.80	39.1	5.70	38.0	5.64	35.9	5.56
	25	38.4	42.1	5.90	41.1	5.73	40.1	5.63	39.3	5.54	38.4	5.46	36.2	5.10
		48.0	42.1	5.87	41.1	5.72	40.1	5.61	39.3	5.51	38.4	5.43	36.2	5.07
		96.0	42.1	5.78	41.1	5.68	40.1	5.51	39.3	5.43	38.4	5.34	36.2	4.98
		120.0	42.1	5.70	41.1	5.53	40.1	5.43	39.3	5.34	38.4	5.25	36.2	4.90
		144.0	42.1	5.66	41.1	5.46	40.1	5.39	39.3	5.29	38.4	5.20	36.2	4.86
	30	38.4	42.1	5.75	41.1	5.46	40.1	5.41	39.3	5.27	38.4	5.21	36.2	4.85
		48.0	42.1	5.70	41.1	5.45	40.1	5.38	39.3	5.25	38.4	5.17	36.2	4.81
		96.0	42.1	5.51	41.1	5.41	40.1	5.25	39.3	5.17	38.4	4.98	36.2	4.63
		120.0	42.1	5.43	41.1	5.27	40.1	5.17	39.3	5.07	38.4	4.98	36.2	4.63
		144.0	42.1	5.39	41.1	5.19	40.1	5.12	39.3	5.03	38.4	4.98	36.2	4.63
	35	38.4	42.1	5.48	41.1	5.30	40.1	5.19	39.3	5.00	38.4	4.83	36.2	4.49
		48.0	42.1	5.43	41.1	5.27	40.1	5.17	39.3	4.98	38.4	4.81	36.2	4.45
		96.0	42.1	5.25	41.1	5.15	40.1	5.07	39.3	4.90	38.4	4.71	36.2	4.27
		120.0	42.1	5.25	41.1	5.09	40.1	4.98	39.3	4.81	38.4	4.63	36.2	4.27
		144.0	42.1	5.25	41.1	5.06	40.1	4.93	39.3	4.76	38.4	4.59	36.2	4.27
	40	38.4	42.1	5.29	41.1	5.12	40.1	5.03	39.3	4.85	38.4	4.68	36.2	4.22
		48.0	42.1	5.25	41.1	5.09	40.1	4.98	39.3	4.81	38.4	4.63	36.2	4.18
		96.0	42.1	5.07	41.1	4.96	40.1	4.81	39.3	4.63	38.4	4.45	36.2	4.01
		120.0	42.1	4.98	41.1	4.88	40.1	4.81	39.3	4.63	38.4	4.45	36.2	4.01
		144.0	42.1	4.93	41.1	4.84	40.1	4.81	39.3	4.63	38.4	4.45	36.2	4.01
	45	38.4	42.1	5.12	41.1	4.95	40.1	4.87	39.3	4.70	38.4	4.51	36.2	3.96
		48.0	42.1	5.07	41.1	4.92	40.1	4.81	39.3	4.63	38.4	4.45	36.2	3.91
		96.0	42.1	4.90	41.1	4.79	40.1	4.54	39.3	4.36	38.4	4.18	36.2	3.74
		120.0	42.1	4.71	41.1	4.67	40.1	4.63	39.3	4.45	38.4	4.27	36.2	3.74
		144.0	42.1	4.62	41.1	4.61	40.1	4.68	39.3	4.49	38.4	4.32	36.2	3.74
120	-5	38.4	14.2	5.59	14.1	5.27	14.0	4.90	13.8	4.69	13.9	4.56	13.5	4.08
		48.0	14.7	5.69	14.5	5.37	14.4	5.01	14.3	4.80	14.4	4.66	14.0	4.17
		96.0	16.6	6.08	16.4	5.77	16.4	5.43	16.1	5.20	16.3	5.05	15.9	4.53
		120.0	18.3	6.46	18.2	6.17	18.1	5.86	17.8	5.62	18.0	5.45	17.5	4.88
		144.0	19.2	6.66	19.0	6.37	18.9	6.07	18.7	5.82	18.8	5.65	18.3	5.06
	0	38.4	25.3	7.65	24.7	7.42	24.2	7.18	23.7	6.88	23.7	6.68	22.6	5.98
		48.0	25.5	7.67	24.8	7.44	24.3	7.20	23.8	6.90	23.8	6.70	22.7	5.99
		96.0	26.0	7.75	25.4	7.51	24.9	7.28	24.4	6.98	24.4	6.78	23.3	6.07
		120.0	26.5	7.75	25.8	7.51	25.3	7.28	24.8	6.98	24.7	6.78	23.6	6.07
		144.0	26.7	7.75	26.1	7.51	25.5	7.28	25.0	6.98	24.9	6.78	23.8	6.07

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	38.4	36.5	8.22	35.9	8.02	35.2	7.81	34.3	7.48	33.2	7.27	31.4	6.51
		48.0	36.6	8.26	36.0	8.06	35.2	7.85	34.3	7.52	33.2	7.31	31.4	6.55
		96.0	37.2	8.41	36.3	8.20	35.2	8.01	34.3	7.68	33.2	7.46	31.4	6.68
		120.0	37.4	8.46	36.1	8.26	35.2	8.07	34.3	7.73	33.2	7.51	31.4	6.72
		144.0	37.5	8.49	36.0	8.29	35.2	8.09	34.3	7.76	33.2	7.54	31.4	6.74
	10	38.4	36.6	7.39	36.0	7.18	35.1	7.04	34.2	6.82	33.1	6.60	31.3	5.93
		48.0	36.8	7.41	36.1	7.21	35.2	7.06	34.3	6.83	33.2	6.59	31.4	5.94
		96.0	37.5	7.51	36.7	7.32	35.5	7.16	34.7	6.87	33.6	6.57	31.7	5.97
		120.0	37.7	7.49	36.6	7.32	35.7	7.19	34.8	6.90	33.7	6.60	31.9	6.17
		144.0	37.8	7.47	36.5	7.32	35.8	7.20	34.9	6.91	33.8	6.62	32.0	6.27
	15	38.4	36.7	6.55	36.0	6.36	35.0	6.26	34.1	6.16	33.1	5.92	31.2	5.36
		48.0	37.0	6.56	36.2	6.37	35.2	6.27	34.3	6.14	33.2	5.87	31.4	5.34
		96.0	37.8	6.62	37.1	6.43	36.0	6.32	35.1	6.05	33.9	5.70	32.1	5.25
		120.0	38.0	6.52	37.1	6.37	36.2	6.32	35.4	6.05	34.2	5.70	32.4	5.61
		144.0	38.1	6.47	37.1	6.34	36.4	6.32	35.5	6.05	34.3	5.70	32.5	5.79
	20	38.4	37.8	5.89	37.1	5.64	35.9	5.49	34.9	5.41	33.8	5.34	32.0	5.07
		48.0	38.0	5.89	37.3	5.66	36.1	5.51	35.2	5.43	34.0	5.34	32.2	5.05
		96.0	39.0	5.89	38.2	5.75	36.9	5.61	36.0	5.51	34.9	5.32	32.9	4.98
		120.0	39.1	5.84	38.1	5.70	37.2	5.61	36.2	5.51	35.1	5.34	33.1	5.17
		144.0	39.2	5.81	38.1	5.68	37.4	5.61	36.4	5.51	35.2	5.35	33.2	5.26
	25	38.4	39.6	5.57	38.4	5.31	37.2	5.21	36.4	5.10	35.5	5.00	33.5	4.65
		48.0	39.6	5.55	38.4	5.30	37.2	5.20	36.4	5.07	35.5	4.98	33.5	4.63
		96.0	39.7	5.47	38.4	5.27	37.2	5.17	36.4	4.98	35.5	4.90	33.5	4.54
		120.0	39.8	5.27	38.4	5.13	37.2	5.07	36.4	4.98	35.5	4.81	33.5	4.54
		144.0	39.9	5.16	38.4	5.06	37.2	5.03	36.4	4.98	35.5	4.76	33.5	4.54
	30	38.4	39.8	5.33	38.4	5.07	37.2	4.92	36.4	4.73	35.5	4.68	33.5	4.30
		48.0	39.8	5.28	38.4	5.04	37.2	4.90	36.4	4.71	35.5	4.63	33.5	4.27
		96.0	39.8	5.11	38.4	4.92	37.2	4.81	36.4	4.63	35.5	4.45	33.5	4.18
		120.0	39.8	4.94	38.4	4.81	37.2	4.71	36.4	4.63	35.5	4.45	33.5	4.10
		144.0	39.8	4.86	38.4	4.75	37.2	4.67	36.4	4.63	35.5	4.45	33.5	4.06
	35	38.4	39.8	5.09	38.4	4.81	37.2	4.68	36.4	4.49	35.5	4.32	33.5	3.93
		48.0	39.8	5.02	38.4	4.77	37.2	4.63	36.4	4.45	35.5	4.27	33.5	3.91
		96.0	39.8	4.73	38.4	4.59	37.2	4.45	36.4	4.27	35.5	4.10	33.5	3.83
		120.0	39.8	4.68	38.4	4.56	37.2	4.45	36.4	4.27	35.5	4.10	33.5	3.74
		144.0	39.8	4.65	38.4	4.54	37.2	4.45	36.4	4.27	35.5	4.10	33.5	3.69
	40	38.4	39.8	4.94	38.4	4.59	37.2	4.41	36.4	4.22	35.5	4.05	33.5	3.67
		48.0	39.8	4.84	38.4	4.54	37.2	4.36	36.4	4.18	35.5	4.01	33.5	3.65
		96.0	39.8	4.47	38.4	4.33	37.2	4.18	36.4	4.01	35.5	3.83	33.5	3.56
		120.0	39.8	4.41	38.4	4.27	37.2	4.18	36.4	4.01	35.5	3.83	33.5	3.47
		144.0	39.8	4.38	38.4	4.24	37.2	4.18	36.4	4.01	35.5	3.83	33.5	3.42
	45	38.4	39.8	4.79	38.4	4.37	37.2	4.14	36.4	3.96	35.5	3.78	33.5	3.40
		48.0	39.8	4.67	38.4	4.31	37.2	4.10	36.4	3.91	35.5	3.74	33.5	3.38
		96.0	39.8	4.20	38.4	4.06	37.2	3.91	36.4	3.74	35.5	3.56	33.5	3.30
		120.0	39.8	4.14	38.4	3.99	37.2	3.91	36.4	3.74	35.5	3.56	33.5	3.20
		144.0	39.8	4.12	38.4	3.95	37.2	3.91	36.4	3.74	35.5	3.56	33.5	3.16
110	-5	38.4	13.4	5.67	13.3	5.27	13.2	4.90	13.1	4.69	13.1	4.56	12.8	4.08
		48.0	13.9	5.76	13.8	5.37	13.7	5.01	13.5	4.80	13.6	4.66	13.3	4.17
		96.0	15.7	6.15	15.6	5.77	15.5	5.43	15.3	5.20	15.3	5.05	15.0	4.53
		120.0	17.3	6.55	17.2	6.17	17.1	5.86	16.9	5.62	16.9	5.45	16.6	4.88
		144.0	18.1	6.75	18.0	6.37	17.9	6.07	17.7	5.82	17.7	5.65	17.4	5.06
	0	38.4	23.9	7.75	23.4	7.42	22.9	7.18	22.5	6.88	22.3	6.68	21.4	5.98
		48.0	24.1	7.77	23.6	7.44	23.1	7.20	22.6	6.90	22.4	6.70	21.6	5.99
		96.0	24.6	7.84	24.1	7.51	23.6	7.28	23.1	6.98	22.9	6.78	22.1	6.07
		120.0	25.0	7.84	24.5	7.51	24.0	7.28	23.5	6.98	23.3	6.78	22.4	6.07
		144.0	25.2	7.84	24.7	7.51	24.2	7.28	23.7	6.98	23.5	6.78	22.5	6.07
	5	38.4	34.9	8.33	34.1	8.02	33.3	7.81	32.6	7.48	31.3	7.27	29.8	6.51
		48.0	35.0	8.37	34.2	8.06	33.3	7.85	32.6	7.52	31.3	7.31	29.8	6.55
		96.0	35.5	8.52	34.4	8.20	33.3	8.01	32.6	7.68	31.3	7.46	29.8	6.68
		120.0	35.7	8.57	34.5	8.26	33.3	8.07	32.6	7.73	31.3	7.51	29.8	6.72
		144.0	35.8	8.60	34.6	8.29	33.3	8.09	32.6	7.76	31.3	7.54	29.8	6.74
	10	38.4	35.1	7.47	34.2	7.22	33.3	7.06	32.5	6.82	31.2	6.60	29.7	5.93
		48.0	35.2	7.49	34.3	7.24	33.3	7.08	32.6	6.83	31.3	6.59	29.8	5.94
		96.0	35.7	7.54	34.6	7.32	33.5	7.16	32.8	6.87	31.5	6.57	29.9	5.97
		120.0	35.9	7.54	34.8	7.32	33.6	7.14	32.8	6.85	31.6	6.60	30.0	6.03
		144.0	36.0	7.54	34.9	7.32	33.7	7.14	32.8	6.84	31.6	6.62	30.0	6.06

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	38.4	35.2	6.61	34.2	6.43	33.2	6.32	32.5	6.16	31.2	5.92	29.7	5.36
		48.0	35.3	6.60	34.4	6.43	33.3	6.32	32.6	6.14	31.3	5.87	29.8	5.34
		96.0	35.9	6.56	34.9	6.43	33.7	6.32	32.9	6.05	31.7	5.70	30.1	5.25
		120.0	36.1	6.52	35.0	6.37	33.9	6.23	33.1	5.97	31.8	5.70	30.2	5.34
		144.0	36.2	6.50	35.1	6.34	34.0	6.19	33.1	5.92	31.8	5.70	30.3	5.39
	20	38.4	35.8	5.71	34.8	5.57	33.7	5.43	32.8	5.34	31.6	5.19	29.9	4.85
		48.0	36.0	5.72	35.0	5.57	33.8	5.43	32.9	5.34	31.7	5.17	30.1	4.84
		96.0	36.8	5.76	35.4	5.57	34.2	5.43	33.4	5.34	32.1	5.07	30.5	4.81
		120.0	37.0	5.76	35.7	5.57	34.4	5.43	33.5	5.25	32.3	5.07	30.6	4.81
		144.0	37.1	5.76	35.9	5.57	34.5	5.43	33.6	5.20	32.4	5.07	30.7	4.81
	25	38.4	36.9	5.19	35.8	5.00	34.4	4.92	33.6	4.73	32.5	4.56	30.7	4.18
		48.0	37.0	5.18	35.8	4.98	34.4	4.90	33.6	4.71	32.5	4.54	30.7	4.18
		96.0	37.3	5.15	35.8	4.90	34.4	4.81	33.6	4.63	32.5	4.45	30.7	4.18
		120.0	37.5	5.15	35.8	4.92	34.4	4.71	33.6	4.63	32.5	4.36	30.7	4.10
		144.0	37.6	5.15	35.8	4.93	34.4	4.67	33.6	4.63	32.5	4.32	30.7	4.06
	30	38.4	37.5	4.73	35.8	4.56	34.4	4.39	33.6	4.30	32.5	4.03	30.7	3.76
		48.0	37.5	4.71	35.8	4.54	34.4	4.36	33.6	4.27	32.5	4.01	30.7	3.74
		96.0	37.5	4.63	35.8	4.45	34.4	4.27	33.6	4.18	32.5	3.91	30.7	3.65
		120.0	37.5	4.59	35.8	4.36	34.4	4.18	33.6	4.10	32.5	3.91	30.7	3.65
		144.0	37.5	4.58	35.8	4.32	34.4	4.13	33.6	4.06	32.5	3.91	30.7	3.65
	35	38.4	37.5	4.49	35.8	4.20	34.4	4.03	33.6	3.85	32.5	3.67	30.7	3.40
		48.0	37.5	4.45	35.8	4.18	34.4	4.01	33.6	3.83	32.5	3.65	30.7	3.38
		96.0	37.5	4.27	35.8	4.10	34.4	3.91	33.6	3.74	32.5	3.56	30.7	3.30
		120.0	37.5	4.16	35.8	4.01	34.4	3.83	33.6	3.74	32.5	3.56	30.7	3.30
		144.0	37.5	4.11	35.8	3.96	34.4	3.79	33.6	3.74	32.5	3.56	30.7	3.30
	40	38.4	37.5	4.22	35.8	4.05	34.4	3.78	33.6	3.59	32.5	3.40	30.7	3.13
		48.0	37.5	4.18	35.8	4.01	34.4	3.74	33.6	3.56	32.5	3.38	30.7	3.11
		96.0	37.5	4.01	35.8	3.83	34.4	3.56	33.6	3.47	32.5	3.30	30.7	3.03
		120.0	37.5	3.95	35.8	3.74	34.4	3.56	33.6	3.38	32.5	3.20	30.7	2.94
		144.0	37.5	3.92	35.8	3.69	34.4	3.56	33.6	3.33	32.5	3.16	30.7	2.89
	45	38.4	37.5	3.96	35.8	3.90	34.4	3.54	33.6	3.32	32.5	3.13	30.7	2.87
		48.0	37.5	3.91	35.8	3.83	34.4	3.47	33.6	3.30	32.5	3.11	30.7	2.84
		96.0	37.5	3.74	35.8	3.56	34.4	3.20	33.6	3.20	32.5	3.03	30.7	2.76
		120.0	37.5	3.74	35.8	3.47	34.4	3.30	33.6	3.03	32.5	2.84	30.7	2.58
		144.0	37.5	3.74	35.8	3.42	34.4	3.34	33.6	2.94	32.5	2.75	30.7	2.49
100	-5	38.4	12.7	5.67	12.6	5.34	12.5	4.90	12.4	4.69	12.3	4.49	12.1	4.08
		48.0	13.1	5.76	13.0	5.44	13.0	5.01	12.8	4.80	12.7	4.59	12.5	4.17
		96.0	14.8	6.15	14.7	5.85	14.7	5.43	14.5	5.20	14.4	4.98	14.2	4.53
		120.0	16.4	6.55	16.3	6.25	16.2	5.86	16.0	5.62	15.9	5.37	15.6	4.88
		144.0	17.2	6.75	17.0	6.46	16.9	6.07	16.8	5.82	16.7	5.56	16.4	5.06
	0	38.4	22.6	7.75	22.1	7.52	21.7	7.18	21.3	6.88	20.9	6.58	20.2	5.98
		48.0	22.8	7.77	22.3	7.54	21.8	7.20	21.4	6.90	21.0	6.60	20.3	5.99
		96.0	23.3	7.84	22.8	7.61	22.3	7.28	21.9	6.98	21.5	6.68	20.8	6.07
		120.0	23.6	7.84	23.1	7.61	22.7	7.28	22.2	6.98	21.9	6.68	21.1	6.07
		144.0	23.8	7.84	23.3	7.61	22.8	7.28	22.4	6.98	22.0	6.68	21.3	6.07
	5	38.4	33.4	8.33	32.3	8.13	31.5	7.81	30.8	7.48	29.4	7.16	28.0	6.51
		48.0	33.5	8.37	32.3	8.17	31.5	7.85	30.8	7.52	29.4	7.20	28.0	6.55
		96.0	34.0	8.52	32.6	8.31	31.5	8.01	30.8	7.68	29.4	7.35	28.0	6.68
		120.0	34.2	8.57	32.7	8.37	31.5	8.07	30.8	7.73	29.4	7.39	28.0	6.72
		144.0	34.3	8.60	32.7	8.40	31.5	8.09	30.8	7.76	29.4	7.42	28.0	6.74
	10	38.4	33.6	7.45	32.4	7.29	31.5	7.06	30.8	6.82	29.4	6.48	28.0	5.93
		48.0	33.7	7.49	32.4	7.31	31.5	7.08	30.8	6.83	29.4	6.49	28.0	5.94
		96.0	34.0	7.62	32.6	7.40	31.5	7.16	30.8	6.87	29.4	6.52	28.0	5.97
		120.0	34.2	7.60	32.8	7.40	31.5	7.14	30.8	6.85	29.4	6.50	28.0	5.94
		144.0	34.3	7.58	32.8	7.40	31.5	7.14	30.8	6.84	29.4	6.49	28.0	5.92
	15	38.4	33.8	6.57	32.5	6.46	31.5	6.32	30.8	6.16	29.4	5.80	28.0	5.36
		48.0	33.8	6.60	32.6	6.46	31.5	6.32	30.8	6.14	29.4	5.78	28.0	5.34
		96.0	34.0	6.73	32.6	6.48	31.5	6.32	30.8	6.05	29.4	5.70	28.0	5.25
		120.0	34.3	6.62	32.8	6.43	31.5	6.23	30.8	5.97	29.4	5.61	28.0	5.17
		144.0	34.4	6.56	32.9	6.40	31.5	6.19	30.8	5.92	29.4	5.56	28.0	5.12
	20	38.4	34.0	5.62	32.7	5.47	31.5	5.34	30.8	5.27	29.4	4.92	28.0	4.68
		48.0	34.1	5.64	32.7	5.48	31.5	5.34	30.8	5.25	29.4	4.90	28.0	4.63
		96.0	34.6	5.75	32.8	5.50	31.5	5.34	30.8	5.17	29.4	4.81	28.0	4.45
		120.0	34.8	5.64	33.1	5.45	31.5	5.25	30.8	5.07	29.4	4.71	28.0	4.36
		144.0	34.9	5.59	33.3	5.43	31.5	5.20	30.8	5.03	29.4	4.67	28.0	4.32

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	38.4	34.4	4.91	33.2	4.76	31.5	4.56	30.8	4.39	29.4	4.12	28.0	3.74
		48.0	34.5	4.92	33.2	4.73	31.5	4.54	30.8	4.36	29.4	4.10	28.0	3.74
		96.0	35.0	4.93	33.2	4.63	31.5	4.45	30.8	4.27	29.4	4.01	28.0	3.74
		120.0	35.2	4.82	33.2	4.59	31.5	4.36	30.8	4.18	29.4	4.01	28.0	3.65
		144.0	35.3	4.77	33.2	4.58	31.5	4.32	30.8	4.13	29.4	4.01	28.0	3.60
	30	38.4	35.2	4.47	33.2	4.12	31.5	3.84	30.8	3.76	29.4	3.47	28.0	3.32
		48.0	35.2	4.45	33.2	4.10	31.5	3.83	30.8	3.74	29.4	3.47	28.0	3.30
		96.0	35.2	4.36	33.2	4.01	31.5	3.79	30.8	3.65	29.4	3.47	28.0	3.20
		120.0	35.2	4.27	33.2	4.01	31.5	3.74	30.8	3.65	29.4	3.38	28.0	3.20
		144.0	35.2	4.23	33.2	4.01	31.5	3.71	30.8	3.65	29.4	3.33	28.0	3.20
	35	38.4	35.2	4.14	33.2	3.78	31.5	3.39	30.8	3.32	29.4	3.13	28.0	2.87
		48.0	35.2	4.10	33.2	3.74	31.5	3.38	30.8	3.30	29.4	3.11	28.0	2.84
		96.0	35.2	3.91	33.2	3.56	31.5	3.34	30.8	3.20	29.4	3.03	28.0	2.76
		120.0	35.2	3.91	33.2	3.56	31.5	3.30	30.8	3.20	29.4	3.03	28.0	2.76
		144.0	35.2	3.91	33.2	3.56	31.5	3.27	30.8	3.20	29.4	3.03	28.0	2.76
	40	38.4	35.2	3.88	33.2	3.52	31.5	3.04	30.8	2.96	29.4	2.79	28.0	2.60
		48.0	35.2	3.83	33.2	3.47	31.5	3.03	30.8	2.94	29.4	2.76	28.0	2.58
		96.0	35.2	3.65	33.2	3.30	31.5	2.99	30.8	2.84	29.4	2.67	28.0	2.50
		120.0	35.2	3.56	33.2	3.30	31.5	2.94	30.8	2.84	29.4	2.67	28.0	2.50
		144.0	35.2	3.52	33.2	3.30	31.5	2.91	30.8	2.84	29.4	2.67	28.0	2.50
	45	38.4	35.2	3.61	33.2	3.25	31.5	2.68	30.8	2.60	29.4	2.43	28.0	2.33
		48.0	35.2	3.56	33.2	3.20	31.5	2.67	30.8	2.58	29.4	2.40	28.0	2.31
		96.0	35.2	3.38	33.2	3.03	31.5	2.63	30.8	2.50	29.4	2.31	28.0	2.23
		120.0	35.2	3.20	33.2	3.03	31.5	2.58	30.8	2.50	29.4	2.31	28.0	2.23
		144.0	35.2	3.12	33.2	3.03	31.5	2.55	30.8	2.50	29.4	2.31	28.0	2.23
90	-5	38.4	12.0	5.26	11.6	4.79	11.2	4.21	11.2	4.01	11.1	3.86	10.9	3.47
		48.0	12.4	5.35	12.0	4.88	11.6	4.30	11.5	4.10	11.5	3.95	11.3	3.54
		96.0	14.0	5.71	13.6	5.24	13.2	4.67	13.1	4.45	13.0	4.29	12.7	3.85
		120.0	15.5	6.07	15.0	5.61	14.5	5.04	14.4	4.80	14.3	4.62	14.1	4.15
		144.0	16.2	6.25	15.7	5.79	15.2	5.22	15.1	4.97	15.0	4.79	14.7	4.31
	0	38.4	21.4	7.16	20.4	6.72	19.5	6.17	19.2	5.89	18.8	5.66	18.1	5.09
		48.0	21.5	7.18	20.5	6.74	19.6	6.19	19.3	5.90	19.0	5.68	18.3	5.10
		96.0	22.0	7.26	21.0	6.81	20.0	6.25	19.7	5.97	19.4	5.75	18.7	5.16
		120.0	22.3	7.26	21.3	6.81	20.4	6.25	20.0	5.97	19.7	5.75	19.0	5.16
		144.0	22.5	7.26	21.5	6.81	20.5	6.25	20.2	5.97	19.9	5.75	19.1	5.16
	5	38.4	30.2	7.69	29.2	7.26	28.3	6.72	27.7	6.40	26.5	6.16	25.2	5.53
		48.0	30.2	7.72	29.2	7.29	28.3	6.75	27.7	6.44	26.5	6.20	25.2	5.56
		96.0	30.4	7.86	29.1	7.43	28.3	6.88	27.7	6.56	26.5	6.33	25.2	5.67
		120.0	30.5	7.91	29.2	7.48	28.3	6.93	27.7	6.61	26.5	6.37	25.2	5.72
		144.0	30.6	7.93	29.3	7.50	28.3	6.96	27.7	6.63	26.5	6.39	25.2	5.74
	10	38.4	30.4	6.79	29.3	6.46	28.3	6.08	27.7	5.83	26.5	5.59	25.2	5.04
		48.0	30.4	6.79	29.3	6.46	28.3	6.09	27.7	5.84	26.5	5.59	25.2	5.05
		96.0	30.3	6.81	29.2	6.49	28.3	6.11	27.7	5.86	26.5	5.57	25.2	5.06
		120.0	30.5	6.79	29.2	6.47	28.3	6.09	27.7	5.85	26.5	5.59	25.2	5.08
		144.0	30.6	6.79	29.3	6.46	28.3	6.09	27.7	5.84	26.5	5.60	25.2	5.09
	15	38.4	30.5	5.88	29.4	5.67	28.3	5.46	27.7	5.27	26.5	5.03	25.2	4.56
		48.0	30.5	5.86	29.4	5.64	28.3	5.43	27.7	5.25	26.5	4.98	25.2	4.54
		96.0	30.3	5.76	29.2	5.55	28.3	5.34	27.7	5.17	26.5	4.81	25.2	4.45
		120.0	30.5	5.68	29.3	5.47	28.3	5.25	27.7	5.07	26.5	4.81	25.2	4.45
		144.0	30.6	5.64	29.3	5.43	28.3	5.20	27.7	5.03	26.5	4.81	25.2	4.45
	20	38.4	30.7	4.96	29.6	4.82	28.3	4.65	27.7	4.47	26.5	4.32	25.2	4.05
		48.0	30.7	4.96	29.5	4.81	28.3	4.63	27.7	4.45	26.5	4.27	25.2	4.01
		96.0	30.6	4.96	29.3	4.75	28.3	4.54	27.7	4.36	26.5	4.10	25.2	3.83
		120.0	30.7	4.88	29.4	4.71	28.3	4.54	27.7	4.36	26.5	4.10	25.2	3.83
		144.0	30.7	4.84	29.4	4.70	28.3	4.54	27.7	4.36	26.5	4.10	25.2	3.83
	25	38.4	31.2	4.34	29.9	4.11	28.3	3.93	27.7	3.74	26.5	3.59	25.2	3.32
		48.0	31.3	4.33	29.9	4.10	28.3	3.91	27.7	3.74	26.5	3.56	25.2	3.30
		96.0	31.6	4.29	29.9	4.06	28.3	3.83	27.7	3.74	26.5	3.47	25.2	3.20
		120.0	31.7	4.18	29.9	3.97	28.3	3.83	27.7	3.65	26.5	3.47	25.2	3.20
		144.0	31.8	4.12	29.9	3.92	28.3	3.83	27.7	3.60	26.5	3.47	25.2	3.20
	30	38.4	31.7	3.93	29.9	3.67	28.3	3.40	27.7	3.32	26.5	3.13	25.2	2.84
		48.0	31.7	3.91	29.9	3.65	28.3	3.38	27.7	3.30	26.5	3.11	25.2	2.84
		96.0	31.7	3.83	29.9	3.56	28.3	3.30	27.7	3.20	26.5	3.03	25.2	2.84
		120.0	31.7	3.74	29.9	3.47	28.3	3.30	27.7	3.20	26.5	3.03	25.2	2.76
		144.0	31.7	3.69	29.9	3.42	28.3	3.30	27.7	3.20	26.5	3.03	25.2	2.72

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	38.4	31.7	3.59	29.9	3.32	28.3	3.05	27.7	2.96	26.5	2.79	25.2	2.60
		48.0	31.7	3.56	29.9	3.30	28.3	3.03	27.7	2.94	26.5	2.76	25.2	2.58
		96.0	31.7	3.47	29.9	3.20	28.3	2.94	27.7	2.84	26.5	2.67	25.2	2.50
		120.0	31.7	3.38	29.9	3.11	28.3	2.84	27.7	2.76	26.5	2.67	25.2	2.50
		144.0	31.7	3.33	29.9	3.07	28.3	2.80	27.7	2.72	26.5	2.67	25.2	2.50
	40	38.4	31.7	3.34	29.9	3.05	28.3	2.69	27.7	2.60	26.5	2.52	25.2	2.33
		48.0	31.7	3.30	29.9	3.03	28.3	2.67	27.7	2.58	26.5	2.50	25.2	2.31
		96.0	31.7	3.11	29.9	2.94	28.3	2.58	27.7	2.50	26.5	2.40	25.2	2.23
		120.0	31.7	3.11	29.9	2.94	28.3	2.58	27.7	2.50	26.5	2.40	25.2	2.23
		144.0	31.7	3.11	29.9	2.94	28.3	2.58	27.7	2.50	26.5	2.40	25.2	2.23
	45	38.4	31.7	3.10	29.9	2.79	28.3	2.33	27.7	2.25	26.5	2.25	25.2	2.06
		48.0	31.7	3.03	29.9	2.76	28.3	2.31	27.7	2.23	26.5	2.23	25.2	2.04
		96.0	31.7	2.76	29.9	2.67	28.3	2.23	27.7	2.14	26.5	2.14	25.2	1.96
		120.0	31.7	2.84	29.9	2.76	28.3	2.31	27.7	2.23	26.5	2.14	25.2	1.96
		144.0	31.7	2.89	29.9	2.81	28.3	2.35	27.7	2.27	26.5	2.14	25.2	1.96
80	-5	38.4	11.3	3.75	10.6	3.60	10.0	3.45	9.9	3.33	9.9	3.18	9.7	2.93
		48.0	11.7	3.83	11.0	3.68	10.4	3.53	10.3	3.41	10.2	3.25	10.0	2.99
		96.0	13.2	4.16	12.4	4.00	11.7	3.82	11.6	3.69	11.5	3.53	11.3	3.24
		120.0	14.6	4.48	13.7	4.31	13.0	4.12	12.8	3.99	12.7	3.80	12.5	3.50
		144.0	15.3	4.65	14.3	4.47	13.6	4.28	13.4	4.14	13.4	3.94	13.1	3.63
	0	38.4	20.2	5.50	18.6	5.28	17.3	5.06	17.0	4.88	16.8	4.65	16.1	4.29
		48.0	20.3	5.51	18.7	5.29	17.4	5.07	17.1	4.90	16.9	4.67	16.2	4.30
		96.0	20.8	5.58	19.2	5.36	17.8	5.13	17.5	4.95	17.3	4.72	16.6	4.35
		120.0	21.1	5.58	19.5	5.36	18.1	5.13	17.8	4.95	17.6	4.72	16.9	4.35
		144.0	21.2	5.58	19.6	5.36	18.3	5.13	17.9	4.95	17.7	4.72	17.0	4.35
	5	38.4	27.9	5.98	26.3	5.75	25.2	5.49	24.6	5.31	23.6	5.07	22.4	4.66
		48.0	28.0	6.01	26.4	5.78	25.2	5.52	24.6	5.34	23.6	5.09	22.4	4.69
		96.0	28.2	6.14	26.6	5.89	25.2	5.64	24.6	5.45	23.6	5.19	22.4	4.79
		120.0	28.2	6.18	26.6	5.94	25.2	5.68	24.6	5.49	23.6	5.23	22.4	4.82
		144.0	28.2	6.20	26.6	5.96	25.2	5.70	24.6	5.51	23.6	5.25	22.4	4.83
	10	38.4	28.1	5.50	26.5	5.25	25.2	4.99	24.6	4.85	23.6	4.59	22.4	4.25
		48.0	28.1	5.50	26.5	5.25	25.2	4.99	24.6	4.85	23.6	4.59	22.4	4.25
		96.0	28.2	5.47	26.6	5.22	25.2	5.00	24.6	4.86	23.6	4.60	22.4	4.26
		120.0	28.2	5.45	26.6	5.24	25.2	5.02	24.6	4.83	23.6	4.58	22.4	4.24
		144.0	28.2	5.44	26.6	5.25	25.2	5.03	24.6	4.82	23.6	4.56	22.4	4.22
	15	38.4	28.2	5.03	26.6	4.76	25.2	4.47	24.6	4.39	23.6	4.12	22.4	3.85
		48.0	28.2	4.98	26.6	4.71	25.2	4.45	24.6	4.36	23.6	4.10	22.4	3.83
		96.0	28.2	4.81	26.6	4.54	25.2	4.36	24.6	4.27	23.6	4.01	22.4	3.74
		120.0	28.2	4.71	26.6	4.54	25.2	4.36	24.6	4.18	23.6	3.91	22.4	3.65
		144.0	28.2	4.67	26.6	4.54	25.2	4.36	24.6	4.13	23.6	3.87	22.4	3.60
	20	38.4	28.2	4.20	26.6	4.03	25.2	3.83	24.6	3.76	23.6	3.59	22.4	3.32
		48.0	28.2	4.18	26.6	4.01	25.2	3.83	24.6	3.74	23.6	3.56	22.4	3.30
		96.0	28.2	4.10	26.6	3.91	25.2	3.83	24.6	3.65	23.6	3.47	22.4	3.20
		120.0	28.2	4.01	26.6	3.83	25.2	3.74	24.6	3.65	23.6	3.38	22.4	3.20
		144.0	28.2	3.96	26.6	3.79	25.2	3.69	24.6	3.65	23.6	3.33	22.4	3.20
	25	38.4	28.2	3.76	26.6	3.49	25.2	3.30	24.6	3.23	23.6	3.05	22.4	2.87
		48.0	28.2	3.74	26.6	3.47	25.2	3.30	24.6	3.20	23.6	3.03	22.4	2.84
		96.0	28.2	3.65	26.6	3.38	25.2	3.30	24.6	3.11	23.6	2.94	22.4	2.76
		120.0	28.2	3.56	26.6	3.38	25.2	3.20	24.6	3.11	23.6	2.94	22.4	2.76
		144.0	28.2	3.52	26.6	3.38	25.2	3.16	24.6	3.11	23.6	2.94	22.4	2.76
	30	38.4	28.2	3.32	26.6	3.13	25.2	2.96	24.6	2.87	23.6	2.69	22.4	2.52
		48.0	28.2	3.30	26.6	3.11	25.2	2.94	24.6	2.84	23.6	2.67	22.4	2.50
		96.0	28.2	3.20	26.6	3.03	25.2	2.84	24.6	2.76	23.6	2.58	22.4	2.40
		120.0	28.2	3.20	26.6	3.03	25.2	2.84	24.6	2.76	23.6	2.58	22.4	2.40
		144.0	28.2	3.20	26.6	3.03	25.2	2.84	24.6	2.76	23.6	2.58	22.4	2.40
	35	38.4	28.2	3.05	26.6	2.87	25.2	2.60	24.6	2.50	23.6	2.43	22.4	2.23
		48.0	28.2	3.03	26.6	2.84	25.2	2.58	24.6	2.50	23.6	2.40	22.4	2.23
		96.0	28.2	2.94	26.6	2.76	25.2	2.50	24.6	2.50	23.6	2.31	22.4	2.23
		120.0	28.2	2.94	26.6	2.67	25.2	2.50	24.6	2.40	23.6	2.31	22.4	2.14
		144.0	28.2	2.94	26.6	2.62	25.2	2.50	24.6	2.36	23.6	2.31	22.4	2.09
	40	38.4	28.2	2.89	26.6	2.60	25.2	2.31	24.6	2.33	23.6	2.14	22.4	2.06
		48.0	28.2	2.84	26.6	2.58	25.2	2.31	24.6	2.31	23.6	2.14	22.4	2.04
		96.0	28.2	2.67	26.6	2.50	25.2	2.31	24.6	2.23	23.6	2.14	22.4	1.96
		120.0	28.2	2.67	26.6	2.50	25.2	2.23	24.6	2.23	23.6	2.14	22.4	1.96
		144.0	28.2	2.67	26.6	2.50	25.2	2.19	24.6	2.23	23.6	2.14	22.4	1.96

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	38.4	28.2	2.74	26.6	2.33	25.2	2.02	24.6	2.18	23.6	1.85	22.4	1.91
		48.0	28.2	2.67	26.6	2.31	25.2	2.04	24.6	2.14	23.6	1.87	22.4	1.87
		96.0	28.2	2.40	26.6	2.23	25.2	2.14	24.6	1.96	23.6	1.96	22.4	1.69
		120.0	28.2	2.40	26.6	2.31	25.2	1.96	24.6	2.04	23.6	1.96	22.4	1.78
		144.0	28.2	2.40	26.6	2.35	25.2	1.87	24.6	2.09	23.6	1.96	22.4	1.82
70	-5	38.4	9.9	3.22	9.3	3.06	8.8	2.96	8.7	2.79	8.6	2.69	8.5	2.45
		48.0	10.2	3.29	9.6	3.13	9.1	3.03	9.0	2.85	8.9	2.75	8.8	2.50
		96.0	11.5	3.56	10.8	3.40	10.2	3.29	10.1	3.09	10.1	2.98	9.9	2.72
		120.0	12.8	3.85	12.0	3.66	11.3	3.54	11.2	3.33	11.1	3.22	10.9	2.93
		144.0	13.4	3.99	12.6	3.80	11.9	3.67	11.8	3.45	11.7	3.34	11.4	3.03
	0	38.4	17.7	4.71	16.3	4.49	15.1	4.34	14.9	4.09	14.7	3.95	14.1	3.59
		48.0	17.8	4.72	16.4	4.50	15.2	4.35	15.0	4.10	14.7	3.96	14.2	3.60
		96.0	18.2	4.78	16.8	4.55	15.6	4.41	15.3	4.14	15.1	4.01	14.5	3.64
		120.0	18.4	4.78	17.1	4.55	15.8	4.41	15.6	4.14	15.3	4.01	14.8	3.64
		144.0	18.6	4.78	17.2	4.55	15.9	4.41	15.7	4.14	15.4	4.01	14.9	3.64
	5	38.4	24.4	5.13	23.1	4.88	22.0	4.73	21.5	4.45	20.6	4.29	19.6	3.90
		48.0	24.4	5.16	23.1	4.91	22.0	4.75	21.5	4.47	20.6	4.32	19.6	3.92
		96.0	24.6	5.26	23.3	5.01	22.0	4.85	21.5	4.56	20.6	4.41	19.6	4.01
		120.0	24.6	5.29	23.3	5.05	22.0	4.89	21.5	4.59	20.6	4.44	19.6	4.03
		144.0	24.6	5.31	23.3	5.06	22.0	4.91	21.5	4.61	20.6	4.45	19.6	4.05
	10	38.4	24.5	4.72	23.2	4.47	22.0	4.30	21.5	4.06	20.6	3.89	19.6	3.56
		48.0	24.5	4.71	23.2	4.46	22.0	4.29	21.5	4.06	20.6	3.89	19.6	3.56
		96.0	24.6	4.68	23.3	4.42	22.0	4.25	21.5	4.06	20.6	3.89	19.6	3.56
		120.0	24.6	4.70	23.3	4.44	22.0	4.27	21.5	4.08	20.6	3.87	19.6	3.57
		144.0	24.6	4.70	23.3	4.45	22.0	4.28	21.5	4.09	20.6	3.85	19.6	3.58
	15	38.4	24.6	4.32	23.3	4.05	22.0	3.88	21.5	3.67	20.6	3.49	19.6	3.23
		48.0	24.6	4.27	23.3	4.01	22.0	3.83	21.5	3.65	20.6	3.47	19.6	3.20
		96.0	24.6	4.10	23.3	3.83	22.0	3.65	21.5	3.56	20.6	3.38	19.6	3.11
		120.0	24.6	4.10	23.3	3.83	22.0	3.65	21.5	3.56	20.6	3.30	19.6	3.11
		144.0	24.6	4.10	23.3	3.83	22.0	3.65	21.5	3.56	20.6	3.25	19.6	3.11
	20	38.4	24.6	3.59	23.3	3.40	22.0	3.32	21.5	3.23	20.6	3.05	19.6	2.87
		48.0	24.6	3.56	23.3	3.38	22.0	3.30	21.5	3.20	20.6	3.03	19.6	2.84
		96.0	24.6	3.47	23.3	3.30	22.0	3.20	21.5	3.11	20.6	2.94	19.6	2.76
		120.0	24.6	3.47	23.3	3.30	22.0	3.20	21.5	3.03	20.6	2.94	19.6	2.67
		144.0	24.6	3.47	23.3	3.30	22.0	3.20	21.5	2.99	20.6	2.94	19.6	2.62
	25	38.4	24.6	3.23	23.3	3.05	22.0	2.87	21.5	2.79	20.6	2.58	19.6	2.40
		48.0	24.6	3.20	23.3	3.03	22.0	2.84	21.5	2.76	20.6	2.58	19.6	2.40
		96.0	24.6	3.11	23.3	2.94	22.0	2.76	21.5	2.67	20.6	2.58	19.6	2.40
		120.0	24.6	3.03	23.3	2.84	22.0	2.76	21.5	2.67	20.6	2.50	19.6	2.40
		144.0	24.6	2.99	23.3	2.80	22.0	2.76	21.5	2.67	20.6	2.45	19.6	2.40
	30	38.4	24.6	2.87	23.3	2.69	22.0	2.52	21.5	2.40	20.6	2.33	19.6	2.14
		48.0	24.6	2.84	23.3	2.67	22.0	2.50	21.5	2.40	20.6	2.31	19.6	2.14
		96.0	24.6	2.76	23.3	2.58	22.0	2.40	21.5	2.40	20.6	2.23	19.6	2.14
		120.0	24.6	2.76	23.3	2.58	22.0	2.40	21.5	2.31	20.6	2.23	19.6	2.14
		144.0	24.6	2.76	23.3	2.58	22.0	2.40	21.5	2.26	20.6	2.23	19.6	2.14
	35	38.4	24.6	2.60	23.3	2.43	22.0	2.23	21.5	2.25	20.6	2.04	19.6	1.98
		48.0	24.6	2.58	23.3	2.40	22.0	2.23	21.5	2.23	20.6	2.04	19.6	1.96
		96.0	24.6	2.50	23.3	2.31	22.0	2.23	21.5	2.14	20.6	2.04	19.6	1.87
		120.0	24.6	2.50	23.3	2.31	22.0	2.14	21.5	2.14	20.6	2.04	19.6	1.87
		144.0	24.6	2.50	23.3	2.31	22.0	2.09	21.5	2.14	20.6	2.04	19.6	1.87
	40	38.4	24.6	2.43	23.3	2.25	22.0	2.06	21.5	1.96	20.6	1.87	19.6	1.80
		48.0	24.6	2.40	23.3	2.23	22.0	2.04	21.5	1.96	20.6	1.87	19.6	1.78
		96.0	24.6	2.31	23.3	2.14	22.0	1.96	21.5	1.96	20.6	1.87	19.6	1.69
		120.0	24.6	2.31	23.3	2.14	22.0	1.96	21.5	1.87	20.6	1.78	19.6	1.69
		144.0	24.6	2.31	23.3	2.14	22.0	1.96	21.5	1.82	20.6	1.73	19.6	1.69
	45	38.4	24.6	2.25	23.3	2.06	22.0	1.91	21.5	1.67	20.6	1.69	19.6	1.63
		48.0	24.6	2.23	23.3	2.04	22.0	1.87	21.5	1.69	20.6	1.69	19.6	1.60
		96.0	24.6	2.14	23.3	1.96	22.0	1.69	21.5	1.78	20.6	1.69	19.6	1.51
		120.0	24.6	2.14	23.3	1.96	22.0	1.78	21.5	1.60	20.6	1.51	19.6	1.51
		144.0	24.6	2.14	23.3	1.96	22.0	1.82	21.5	1.51	20.6	1.42	19.6	1.51
60	-5	38.4	8.5	2.61	7.9	2.51	7.5	2.41	7.4	2.24	7.4	2.21	7.2	1.97
		48.0	8.8	2.67	8.2	2.57	7.8	2.47	7.7	2.29	7.6	2.26	7.5	2.02
		96.0	9.9	2.90	9.3	2.79	8.8	2.68	8.7	2.49	8.7	2.45	8.5	2.19
		120.0	11.0	3.12	10.3	3.01	9.7	2.89	9.6	2.69	9.6	2.64	9.4	2.36
		144.0	11.5	3.23	10.7	3.12	10.2	3.00	10.1	2.79	10.0	2.74	9.8	2.44

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	38.4	15.1	3.83	14.0	3.69	13.0	3.53	12.8	3.29	12.6	3.24	12.1	2.89
		48.0	15.2	3.84	14.0	3.70	13.1	3.54	12.8	3.30	12.7	3.25	12.2	2.90
		96.0	15.6	3.89	14.4	3.74	13.4	3.59	13.1	3.33	13.0	3.29	12.5	2.93
		120.0	15.8	3.89	14.6	3.74	13.6	3.59	13.3	3.33	13.2	3.29	12.7	2.93
		144.0	15.9	3.89	14.7	3.74	13.7	3.59	13.4	3.33	13.3	3.29	12.8	2.93
	5	38.4	20.9	4.17	19.7	4.01	18.9	3.85	18.5	3.58	17.7	3.53	16.8	3.14
		48.0	21.0	4.19	19.8	4.03	18.9	3.87	18.5	3.60	17.7	3.54	16.8	3.16
		96.0	21.2	4.27	19.9	4.12	18.9	3.95	18.5	3.67	17.7	3.62	16.8	3.22
		120.0	21.2	4.31	19.9	4.14	18.9	3.98	18.5	3.70	17.7	3.64	16.8	3.25
		144.0	21.2	4.33	19.9	4.16	18.9	3.99	18.5	3.72	17.7	3.65	16.8	3.26
	10	38.4	21.0	3.83	19.8	3.66	18.9	3.49	18.5	3.26	17.7	3.20	16.8	2.87
		48.0	21.1	3.83	19.8	3.66	18.9	3.49	18.5	3.27	17.7	3.19	16.8	2.87
		96.0	21.2	3.83	19.9	3.66	18.9	3.49	18.5	3.31	17.7	3.19	16.8	2.90
		120.0	21.2	3.84	19.9	3.63	18.9	3.45	18.5	3.27	17.7	3.16	16.8	2.87
		144.0	21.2	3.84	19.9	3.61	18.9	3.43	18.5	3.25	17.7	3.14	16.8	2.86
	15	38.4	21.2	3.49	19.9	3.32	18.9	3.13	18.5	2.94	17.7	2.87	16.8	2.58
		48.0	21.2	3.47	19.9	3.30	18.9	3.11	18.5	2.94	17.7	2.84	16.8	2.58
		96.0	21.2	3.38	19.9	3.20	18.9	3.03	18.5	2.94	17.7	2.76	16.8	2.58
		120.0	21.2	3.38	19.9	3.11	18.9	2.94	18.5	2.84	17.7	2.67	16.8	2.50
		144.0	21.2	3.38	19.9	3.07	18.9	2.89	18.5	2.80	17.7	2.62	16.8	2.45
	20	38.4	21.2	3.05	19.9	2.87	18.9	2.69	18.5	2.60	17.7	2.52	16.8	2.33
		48.0	21.2	3.03	19.9	2.84	18.9	2.67	18.5	2.58	17.7	2.50	16.8	2.31
		96.0	21.2	2.94	19.9	2.76	18.9	2.58	18.5	2.50	17.7	2.40	16.8	2.23
		120.0	21.2	2.94	19.9	2.76	18.9	2.58	18.5	2.50	17.7	2.40	16.8	2.23
		144.0	21.2	2.94	19.9	2.76	18.9	2.58	18.5	2.50	17.7	2.40	16.8	2.23
	25	38.4	21.2	2.69	19.9	2.52	18.9	2.31	18.5	2.33	17.7	2.14	16.8	2.06
		48.0	21.2	2.67	19.9	2.50	18.9	2.31	18.5	2.31	17.7	2.14	16.8	2.04
		96.0	21.2	2.58	19.9	2.40	18.9	2.31	18.5	2.23	17.7	2.14	16.8	1.96
		120.0	21.2	2.58	19.9	2.40	18.9	2.23	18.5	2.23	17.7	2.14	16.8	1.96
		144.0	21.2	2.58	19.9	2.40	18.9	2.19	18.5	2.23	17.7	2.14	16.8	1.96
	30	38.4	21.2	2.43	19.9	2.25	18.9	2.16	18.5	2.06	17.7	1.98	16.8	1.89
		48.0	21.2	2.40	19.9	2.23	18.9	2.14	18.5	2.04	17.7	1.96	16.8	1.87
		96.0	21.2	2.31	19.9	2.14	18.9	2.04	18.5	1.96	17.7	1.87	16.8	1.78
		120.0	21.2	2.31	19.9	2.14	18.9	2.04	18.5	1.96	17.7	1.87	16.8	1.78
		144.0	21.2	2.31	19.9	2.14	18.9	2.04	18.5	1.96	17.7	1.87	16.8	1.78
	35	38.4	21.2	2.14	19.9	2.06	18.9	1.87	18.5	1.89	17.7	1.80	16.8	1.72
		48.0	21.2	2.14	19.9	2.04	18.9	1.87	18.5	1.87	17.7	1.78	16.8	1.69
		96.0	21.2	2.14	19.9	1.96	18.9	1.87	18.5	1.78	17.7	1.69	16.8	1.60
		120.0	21.2	2.14	19.9	1.96	18.9	1.78	18.5	1.78	17.7	1.69	16.8	1.60
		144.0	21.2	2.14	19.9	1.96	18.9	1.73	18.5	1.78	17.7	1.69	16.8	1.60
	40	38.4	21.2	1.96	19.9	1.89	18.9	1.69	18.5	1.72	17.7	1.63	16.8	1.51
		48.0	21.2	1.96	19.9	1.87	18.9	1.69	18.5	1.69	17.7	1.60	16.8	1.51
		96.0	21.2	1.96	19.9	1.78	18.9	1.69	18.5	1.60	17.7	1.51	16.8	1.51
		120.0	21.2	1.96	19.9	1.78	18.9	1.69	18.5	1.60	17.7	1.51	16.8	1.51
		144.0	21.2	1.96	19.9	1.78	18.9	1.69	18.5	1.60	17.7	1.51	16.8	1.51
	45	38.4	21.2	1.78	19.9	1.72	18.9	1.51	18.5	1.53	17.7	1.45	16.8	1.31
		48.0	21.2	1.78	19.9	1.69	18.9	1.51	18.5	1.51	17.7	1.43	16.8	1.34
		96.0	21.2	1.78	19.9	1.60	18.9	1.51	18.5	1.43	17.7	1.34	16.8	1.43
		120.0	21.2	1.78	19.9	1.60	18.9	1.60	18.5	1.43	17.7	1.34	16.8	1.43
		144.0	21.2	1.78	19.9	1.60	18.9	1.65	18.5	1.43	17.7	1.34	16.8	1.43
50	-5	38.4	7.1	2.08	6.6	1.97	6.3	1.87	6.2	1.77	6.1	1.66	6.0	1.57
		48.0	7.3	2.13	6.9	2.02	6.5	1.91	6.4	1.80	6.4	1.69	6.2	1.60
		96.0	8.2	2.30	7.7	2.19	7.3	2.06	7.2	1.96	7.2	1.84	7.1	1.73
		120.0	9.1	2.49	8.6	2.36	8.1	2.23	8.0	2.12	7.9	1.98	7.8	1.87
		144.0	9.6	2.58	9.0	2.44	8.5	2.31	8.4	2.20	8.3	2.05	8.2	1.94
	0	38.4	12.6	3.05	11.7	2.89	10.8	2.73	10.6	2.59	10.5	2.43	10.1	2.29
		48.0	12.7	3.06	11.7	2.90	10.9	2.73	10.7	2.60	10.5	2.44	10.1	2.30
		96.0	13.0	3.08	12.0	2.93	11.2	2.77	10.9	2.63	10.8	2.47	10.4	2.33
		120.0	13.2	3.08	12.2	2.93	11.3	2.77	11.1	2.63	10.9	2.47	10.5	2.33
		144.0	13.3	3.08	12.2	2.93	11.4	2.77	11.2	2.63	11.0	2.47	10.6	2.33
	5	38.4	17.4	3.32	16.5	3.14	15.7	2.97	15.4	2.82	14.7	2.65	14.0	2.49
		48.0	17.4	3.33	16.5	3.16	15.7	2.98	15.4	2.84	14.7	2.66	14.0	2.50
		96.0	17.6	3.40	16.6	3.22	15.8	3.05	15.4	2.89	14.7	2.71	14.0	2.56
		120.0	17.6	3.42	16.6	3.25	15.8	3.07	15.4	2.91	14.7	2.73	14.0	2.58
		144.0	17.6	3.44	16.6	3.26	15.8	3.08	15.4	2.92	14.7	2.75	14.0	2.59

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(10HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	38.4	17.5	3.05	16.5	2.87	15.7	2.70	15.4	2.58	14.7	2.39	14.0	2.28
		48.0	17.5	3.05	16.6	2.87	15.7	2.70	15.4	2.58	14.7	2.39	14.0	2.27
		96.0	17.6	3.03	16.6	2.86	15.8	2.68	15.4	2.56	14.7	2.42	14.0	2.26
		120.0	17.6	3.05	16.6	2.87	15.8	2.69	15.4	2.57	14.7	2.38	14.0	2.26
		144.0	17.6	3.06	16.6	2.88	15.8	2.69	15.4	2.57	14.7	2.37	14.0	2.27
	15	38.4	17.6	2.79	16.6	2.60	15.8	2.43	15.4	2.33	14.7	2.14	14.0	2.06
		48.0	17.6	2.76	16.6	2.58	15.8	2.40	15.4	2.31	14.7	2.14	14.0	2.04
		96.0	17.6	2.67	16.6	2.50	15.8	2.31	15.4	2.23	14.7	2.14	14.0	1.96
		120.0	17.6	2.67	16.6	2.50	15.8	2.31	15.4	2.23	14.7	2.04	14.0	1.96
		144.0	17.6	2.67	16.6	2.50	15.8	2.31	15.4	2.23	14.7	2.00	14.0	1.96
	20	38.4	17.6	2.43	16.6	2.25	15.8	2.16	15.4	2.06	14.7	1.98	14.0	1.78
		48.0	17.6	2.40	16.6	2.23	15.8	2.14	15.4	2.04	14.7	1.96	14.0	1.78
		96.0	17.6	2.31	16.6	2.14	15.8	2.04	15.4	1.96	14.7	1.87	14.0	1.78
		120.0	17.6	2.31	16.6	2.14	15.8	2.04	15.4	1.96	14.7	1.87	14.0	1.78
		144.0	17.6	2.31	16.6	2.14	15.8	2.04	15.4	1.96	14.7	1.87	14.0	1.78
	25	38.4	17.6	2.16	16.6	1.96	15.8	1.89	15.4	1.78	14.7	1.69	14.0	1.60
		48.0	17.6	2.14	16.6	1.96	15.8	1.87	15.4	1.78	14.7	1.69	14.0	1.60
		96.0	17.6	2.04	16.6	1.96	15.8	1.78	15.4	1.78	14.7	1.69	14.0	1.60
		120.0	17.6	2.04	16.6	1.96	15.8	1.78	15.4	1.78	14.7	1.69	14.0	1.60
		144.0	17.6	2.04	16.6	1.96	15.8	1.78	15.4	1.78	14.7	1.69	14.0	1.60
	30	38.4	17.6	1.98	16.6	1.80	15.8	1.72	15.4	1.60	14.7	1.63	14.0	1.53
		48.0	17.6	1.96	16.6	1.78	15.8	1.69	15.4	1.60	14.7	1.60	14.0	1.51
		96.0	17.6	1.87	16.6	1.69	15.8	1.60	15.4	1.60	14.7	1.51	14.0	1.43
		120.0	17.6	1.87	16.6	1.69	15.8	1.60	15.4	1.60	14.7	1.51	14.0	1.43
		144.0	17.6	1.87	16.6	1.69	15.8	1.60	15.4	1.60	14.7	1.51	14.0	1.43
	35	38.4	17.6	1.80	16.6	1.60	15.8	1.51	15.4	1.53	14.7	1.43	14.0	1.34
		48.0	17.6	1.78	16.6	1.60	15.8	1.51	15.4	1.51	14.7	1.43	14.0	1.34
		96.0	17.6	1.69	16.6	1.60	15.8	1.51	15.4	1.43	14.7	1.43	14.0	1.34
		120.0	17.6	1.69	16.6	1.60	15.8	1.51	15.4	1.43	14.7	1.43	14.0	1.34
		144.0	17.6	1.69	16.6	1.60	15.8	1.51	15.4	1.43	14.7	1.43	14.0	1.34
	40	38.4	17.6	1.63	16.6	1.53	15.8	1.45	15.4	1.34	14.7	1.36	14.0	1.24
		48.0	17.6	1.60	16.6	1.51	15.8	1.43	15.4	1.34	14.7	1.34	14.0	1.24
		96.0	17.6	1.51	16.6	1.43	15.8	1.34	15.4	1.34	14.7	1.24	14.0	1.24
		120.0	17.6	1.51	16.6	1.43	15.8	1.34	15.4	1.34	14.7	1.24	14.0	1.24
		144.0	17.6	1.51	16.6	1.43	15.8	1.34	15.4	1.34	14.7	1.24	14.0	1.24
	45	38.4	17.6	1.45	16.6	1.47	15.8	1.38	15.4	1.14	14.7	1.29	14.0	1.16
		48.0	17.6	1.43	16.6	1.43	15.8	1.34	15.4	1.16	14.7	1.24	14.0	1.16
		96.0	17.6	1.34	16.6	1.24	15.8	1.16	15.4	1.24	14.7	1.07	14.0	1.16
		120.0	17.6	1.34	16.6	1.24	15.8	1.16	15.4	1.24	14.7	1.07	14.0	1.16
		144.0	17.6	1.34	16.6	1.24	15.8	1.16	15.4	1.24	14.7	1.07	14.0	1.16

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

ARWN120LAS4

Heating Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	46.4	17.9	7.07	17.8	6.66	17.6	6.20	17.4	6.01	17.6	5.86	17.1	5.25
		58.0	18.5	7.19	18.4	6.78	18.2	6.33	18.0	6.14	18.2	5.98	17.7	5.37
		116.0	20.9	7.68	20.7	7.30	20.6	6.87	20.4	6.67	20.6	6.48	20.1	5.82
		145.0	23.1	8.17	22.9	7.80	22.8	7.40	22.5	7.20	22.8	6.99	22.2	6.27
		174.0	24.3	8.42	24.0	8.05	23.9	7.67	23.6	7.47	23.9	7.25	23.3	6.50
	0	46.4	31.9	9.67	31.2	9.38	30.6	9.07	29.9	8.82	30.0	8.58	28.6	7.68
		58.0	32.1	9.69	31.4	9.40	30.7	9.10	30.1	8.84	30.2	8.60	28.8	7.70
		116.0	32.9	9.80	32.1	9.50	31.4	9.21	30.8	8.95	30.9	8.69	29.5	7.80
		145.0	33.4	9.80	32.6	9.50	31.9	9.21	31.2	8.95	31.3	8.69	29.9	7.80
		174.0	33.7	9.80	32.8	9.50	32.2	9.21	31.5	8.95	31.6	8.69	30.1	7.80
	5	46.4	46.0	10.39	45.3	10.14	44.4	9.88	43.3	9.60	42.1	9.33	39.8	8.36
		58.0	46.2	10.44	45.4	10.18	44.4	9.93	43.3	9.65	42.1	9.38	39.8	8.40
		116.0	46.8	10.63	45.7	10.37	44.4	10.13	43.3	9.85	42.1	9.57	39.8	8.58
		145.0	47.1	10.70	45.9	10.44	44.4	10.19	43.3	9.92	42.1	9.64	39.8	8.64
		174.0	47.2	10.73	45.9	10.47	44.4	10.23	43.3	9.95	42.1	9.67	39.8	8.66
	10	46.4	46.1	9.46	45.3	9.14	44.2	8.97	43.1	8.77	41.9	8.47	39.6	7.64
		58.0	46.3	9.44	45.5	9.15	44.4	8.98	43.3	8.76	42.1	8.46	39.8	7.63
		116.0	47.4	9.37	46.4	9.18	45.1	9.05	44.0	8.75	42.7	8.44	40.4	7.61
		145.0	47.7	9.50	46.7	9.31	45.4	9.09	44.2	8.79	43.0	8.58	40.6	7.97
		174.0	47.8	9.56	46.9	9.37	45.5	9.11	44.3	8.80	43.1	8.65	40.8	8.15
	15	46.4	46.1	8.52	45.3	8.16	44.1	8.07	42.9	7.94	41.8	7.60	39.4	6.93
		58.0	46.5	8.44	45.7	8.12	44.4	8.05	43.3	7.88	42.1	7.54	39.8	6.87
		116.0	48.0	8.10	47.0	7.98	45.8	7.98	44.7	7.65	43.4	7.31	41.0	6.63
		145.0	48.3	8.30	47.5	8.17	46.4	7.98	45.1	7.65	44.0	7.52	41.5	7.31
		174.0	48.4	8.40	47.7	8.26	46.7	7.98	45.3	7.65	44.3	7.62	41.8	7.65
	20	46.4	47.9	7.82	47.0	7.45	45.8	7.29	44.5	7.06	43.2	6.90	40.7	6.69
		58.0	48.3	7.76	47.4	7.45	46.1	7.29	44.9	7.09	43.6	6.95	41.0	6.63
		116.0	49.8	7.54	48.9	7.43	47.5	7.26	46.3	7.20	45.1	7.13	42.5	6.41
		145.0	50.0	7.54	49.3	7.43	48.1	7.31	46.7	7.20	45.5	7.13	42.9	6.82
		174.0	50.1	7.54	49.4	7.43	48.4	7.33	47.0	7.20	45.6	7.13	43.1	7.03
	25	46.4	50.6	7.45	49.3	7.24	48.1	7.12	47.2	7.00	46.1	6.90	43.5	6.44
		58.0	50.6	7.43	49.3	7.23	48.1	7.09	47.2	6.97	46.1	6.87	43.5	6.41
		116.0	50.6	7.31	49.3	7.18	48.1	6.97	47.2	6.87	46.1	6.75	43.5	6.30
		145.0	50.6	7.20	49.3	6.99	48.1	6.87	47.2	6.75	46.1	6.63	43.5	6.19
		174.0	50.6	7.15	49.3	6.90	48.1	6.81	47.2	6.69	46.1	6.57	43.5	6.14
	30	46.4	50.6	7.26	49.3	6.90	48.1	6.84	47.2	6.66	46.1	6.59	43.5	6.13
		58.0	50.6	7.20	49.3	6.89	48.1	6.80	47.2	6.63	46.1	6.53	43.5	6.08
		116.0	50.6	6.97	49.3	6.84	48.1	6.63	47.2	6.53	46.1	6.30	43.5	5.85
		145.0	50.6	6.87	49.3	6.66	48.1	6.53	47.2	6.41	46.1	6.30	43.5	5.85
		174.0	50.6	6.81	49.3	6.56	48.1	6.48	47.2	6.35	46.1	6.30	43.5	5.85
	35	46.4	50.6	6.93	49.3	6.70	48.1	6.56	47.2	6.32	46.1	6.10	43.5	5.68
		58.0	50.6	6.87	49.3	6.66	48.1	6.53	47.2	6.30	46.1	6.08	43.5	5.62
		116.0	50.6	6.63	49.3	6.51	48.1	6.41	47.2	6.19	46.1	5.96	43.5	5.40
		145.0	50.6	6.63	49.3	6.44	48.1	6.30	47.2	6.08	46.1	5.85	43.5	5.40
		174.0	50.6	6.63	49.3	6.40	48.1	6.24	47.2	6.02	46.1	5.80	43.5	5.40
	40	46.4	50.6	6.69	49.3	6.48	48.1	6.35	47.2	6.13	46.1	5.91	43.5	5.34
		58.0	50.6	6.63	49.3	6.44	48.1	6.30	47.2	6.08	46.1	5.85	43.5	5.28
		116.0	50.6	6.41	49.3	6.27	48.1	6.08	47.2	5.85	46.1	5.62	43.5	5.06
		145.0	50.6	6.30	49.3	6.17	48.1	6.08	47.2	5.85	46.1	5.62	43.5	5.06
		174.0	50.6	6.24	49.3	6.12	48.1	6.08	47.2	5.85	46.1	5.62	43.5	5.06
	45	46.4	50.6	6.47	49.3	6.26	48.1	6.16	47.2	5.94	46.1	5.71	43.5	5.00
		58.0	50.6	6.41	49.3	6.21	48.1	6.08	47.2	5.85	46.1	5.62	43.5	4.95
		116.0	50.6	6.19	49.3	6.05	48.1	5.74	47.2	5.52	46.1	5.28	43.5	4.73
		145.0	50.6	5.96	49.3	5.90	48.1	5.85	47.2	5.62	46.1	5.40	43.5	4.73
		174.0	50.6	5.84	49.3	5.82	48.1	5.91	47.2	5.67	46.1	5.46	43.5	4.73
120	-5	46.4	17.0	7.07	16.9	6.66	16.8	6.20	16.6	5.93	16.7	5.76	16.2	5.16
		58.0	17.6	7.19	17.4	6.78	17.3	6.33	17.1	6.06	17.3	5.89	16.8	5.27
		116.0	19.9	7.68	19.7	7.30	19.6	6.87	19.4	6.58	19.6	6.39	19.0	5.73
		145.0	22.0	8.17	21.8	7.80	21.7	7.40	21.4	7.10	21.6	6.89	21.0	6.17
		174.0	23.0	8.42	22.8	8.05	22.7	7.67	22.4	7.36	22.6	7.14	22.0	6.39
	0	46.4	30.4	9.67	29.6	9.38	29.0	9.07	28.4	8.69	28.4	8.45	27.1	7.55
		58.0	30.6	9.69	29.8	9.40	29.2	9.10	28.6	8.72	28.6	8.47	27.3	7.58
		116.0	31.3	9.80	30.5	9.50	29.9	9.21	29.3	8.82	29.3	8.57	28.0	7.67
		145.0	31.8	9.80	31.0	9.50	30.3	9.21	29.7	8.82	29.7	8.57	28.4	7.67
		174.0	32.0	9.80	31.3	9.50	30.6	9.21	29.9	8.82	29.9	8.57	28.6	7.67

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	46.4	43.8	10.39	43.1	10.14	42.2	9.88	41.2	9.46	39.9	9.19	37.7	8.23
		58.0	44.0	10.44	43.2	10.18	42.2	9.93	41.2	9.51	39.9	9.24	37.7	8.27
		116.0	44.6	10.63	43.5	10.37	42.2	10.13	41.2	9.71	39.9	9.43	37.7	8.44
		145.0	44.8	10.70	43.3	10.44	42.2	10.19	41.2	9.78	39.9	9.50	37.7	8.50
		174.0	45.0	10.73	43.2	10.47	42.2	10.23	41.2	9.81	39.9	9.53	37.7	8.53
	10	46.4	44.0	9.34	43.1	9.08	42.1	8.89	41.1	8.62	39.8	8.34	37.6	7.50
		58.0	44.2	9.37	43.3	9.11	42.2	8.93	41.2	8.64	39.9	8.33	37.7	7.51
		116.0	45.0	9.50	44.0	9.25	42.7	9.05	41.6	8.68	40.3	8.31	38.1	7.54
		145.0	45.2	9.46	43.9	9.25	42.8	9.09	41.8	8.72	40.5	8.34	38.3	7.80
		174.0	45.3	9.44	43.8	9.25	42.9	9.11	41.9	8.73	40.6	8.36	38.3	7.93
	15	46.4	44.1	8.28	43.2	8.04	42.0	7.91	40.9	7.79	39.7	7.48	37.5	6.78
		58.0	44.3	8.30	43.5	8.05	42.2	7.93	41.2	7.76	39.9	7.43	37.7	6.75
		116.0	45.4	8.37	44.5	8.12	43.1	7.98	42.1	7.65	40.7	7.20	38.5	6.63
		145.0	45.6	8.24	44.5	8.05	43.5	7.98	42.4	7.65	41.0	7.20	38.9	7.09
		174.0	45.7	8.18	44.5	8.02	43.7	7.98	42.6	7.65	41.2	7.20	39.0	7.32
	20	46.4	45.3	7.45	44.5	7.13	43.1	6.94	41.9	6.84	40.6	6.76	38.4	6.41
		58.0	45.6	7.45	44.7	7.16	43.4	6.97	42.2	6.87	40.8	6.75	38.6	6.39
		116.0	46.8	7.45	45.8	7.26	44.3	7.09	43.3	6.97	41.8	6.73	39.5	6.30
		145.0	47.0	7.38	45.7	7.20	44.7	7.09	43.5	6.97	42.1	6.75	39.8	6.53
		174.0	47.1	7.34	45.7	7.17	44.8	7.09	43.6	6.97	42.2	6.76	39.9	6.65
	25	46.4	47.5	7.04	46.1	6.72	44.7	6.59	43.7	6.44	42.5	6.32	40.2	5.88
		58.0	47.5	7.02	46.1	6.70	44.7	6.58	43.7	6.41	42.5	6.30	40.2	5.85
		116.0	47.6	6.91	46.1	6.66	44.7	6.53	43.7	6.30	42.5	6.19	40.2	5.74
		145.0	47.8	6.66	46.1	6.48	44.7	6.41	43.7	6.30	42.5	6.08	40.2	5.74
		174.0	47.9	6.53	46.1	6.39	44.7	6.35	43.7	6.30	42.5	6.02	40.2	5.74
	30	46.4	47.8	6.74	46.1	6.40	44.7	6.22	43.7	5.99	42.5	5.91	40.2	5.43
		58.0	47.8	6.68	46.1	6.37	44.7	6.19	43.7	5.96	42.5	5.85	40.2	5.40
		116.0	47.8	6.46	46.1	6.21	44.7	6.08	43.7	5.85	42.5	5.62	40.2	5.28
		145.0	47.8	6.25	46.1	6.08	44.7	5.96	43.7	5.85	42.5	5.62	40.2	5.18
		174.0	47.8	6.14	46.1	6.00	44.7	5.90	43.7	5.85	42.5	5.62	40.2	5.13
	35	46.4	47.8	6.43	46.1	6.08	44.7	5.91	43.7	5.68	42.5	5.46	40.2	4.97
		58.0	47.8	6.34	46.1	6.03	44.7	5.85	43.7	5.62	42.5	5.40	40.2	4.95
		116.0	47.8	5.98	46.1	5.81	44.7	5.62	43.7	5.40	42.5	5.18	40.2	4.84
		145.0	47.8	5.91	46.1	5.76	44.7	5.62	43.7	5.40	42.5	5.18	40.2	4.73
		174.0	47.8	5.88	46.1	5.74	44.7	5.62	43.7	5.40	42.5	5.18	40.2	4.67
	40	46.4	47.8	6.24	46.1	5.81	44.7	5.58	43.7	5.34	42.5	5.12	40.2	4.64
		58.0	47.8	6.12	46.1	5.74	44.7	5.52	43.7	5.28	42.5	5.06	40.2	4.61
		116.0	47.8	5.64	46.1	5.47	44.7	5.28	43.7	5.06	42.5	4.84	40.2	4.50
		145.0	47.8	5.57	46.1	5.40	44.7	5.28	43.7	5.06	42.5	4.84	40.2	4.39
		174.0	47.8	5.54	46.1	5.36	44.7	5.28	43.7	5.06	42.5	4.84	40.2	4.33
	45	46.4	47.8	6.05	46.1	5.53	44.7	5.24	43.7	5.00	42.5	4.78	40.2	4.30
		58.0	47.8	5.90	46.1	5.45	44.7	5.18	43.7	4.95	42.5	4.73	40.2	4.27
		116.0	47.8	5.31	46.1	5.13	44.7	4.95	43.7	4.73	42.5	4.50	40.2	4.17
		145.0	47.8	5.24	46.1	5.04	44.7	4.95	43.7	4.73	42.5	4.50	40.2	4.05
		174.0	47.8	5.20	46.1	4.99	44.7	4.95	43.7	4.73	42.5	4.50	40.2	3.99
110	-5	46.4	16.1	7.16	16.0	6.66	15.9	6.20	15.7	5.93	15.7	5.76	15.4	5.16
		58.0	16.6	7.29	16.5	6.78	16.4	6.33	16.2	6.06	16.3	5.89	15.9	5.27
		116.0	18.8	7.77	18.7	7.30	18.6	6.87	18.4	6.58	18.4	6.39	18.0	5.73
		145.0	20.8	8.27	20.6	7.80	20.5	7.40	20.3	7.10	20.3	6.89	19.9	6.17
		174.0	21.8	8.53	21.6	8.05	21.5	7.67	21.3	7.36	21.3	7.14	20.8	6.39
	0	46.4	28.7	9.80	28.1	9.38	27.5	9.07	27.0	8.69	26.7	8.45	25.7	7.55
		58.0	28.9	9.82	28.3	9.40	27.7	9.10	27.1	8.72	26.9	8.47	25.9	7.58
		116.0	29.6	9.92	28.9	9.50	28.3	9.21	27.8	8.82	27.5	8.57	26.5	7.67
		145.0	30.0	9.92	29.4	9.50	28.8	9.21	28.2	8.82	28.0	8.57	26.9	7.67
		174.0	30.3	9.92	29.6	9.50	29.0	9.21	28.4	8.82	28.2	8.57	27.1	7.67
	5	46.4	41.9	10.53	40.9	10.14	40.0	9.88	39.1	9.46	37.6	9.19	35.7	8.23
		58.0	42.1	10.58	41.0	10.18	40.0	9.93	39.1	9.51	37.6	9.24	35.7	8.27
		116.0	42.6	10.77	41.3	10.37	40.0	10.13	39.1	9.71	37.6	9.43	35.7	8.44
		145.0	42.9	10.83	41.4	10.44	40.0	10.19	39.1	9.78	37.6	9.50	35.7	8.50
		174.0	43.0	10.87	41.5	10.47	40.0	10.23	39.1	9.81	37.6	9.53	35.7	8.53
	10	46.4	42.1	9.44	41.0	9.12	39.9	8.92	39.0	8.62	37.5	8.34	35.7	7.50
		58.0	42.2	9.46	41.1	9.15	40.0	8.95	39.1	8.64	37.6	8.33	35.7	7.51
		116.0	42.9	9.53	41.6	9.25	40.2	9.05	39.3	8.68	37.8	8.31	35.9	7.54
		145.0	43.1	9.53	41.7	9.25	40.4	9.03	39.4	8.66	37.9	8.34	36.0	7.62
		174.0	43.2	9.53	41.8	9.25	40.4	9.02	39.4	8.65	37.9	8.36	36.1	7.66

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	46.4	42.2	8.36	41.1	8.12	39.9	7.98	39.0	7.79	37.4	7.48	35.6	6.78
		58.0	42.4	8.34	41.2	8.12	40.0	7.98	39.1	7.76	37.6	7.43	35.7	6.75
		116.0	43.1	8.30	41.8	8.12	40.5	7.98	39.5	7.65	38.0	7.20	36.1	6.63
		145.0	43.3	8.24	42.1	8.05	40.7	7.88	39.7	7.54	38.2	7.20	36.3	6.75
		174.0	43.4	8.21	42.2	8.02	40.8	7.83	39.7	7.49	38.2	7.20	36.4	6.81
	20	46.4	43.0	7.21	41.8	7.04	40.5	6.87	39.4	6.75	37.9	6.56	35.9	6.13
		58.0	43.2	7.23	41.9	7.04	40.6	6.87	39.5	6.75	38.0	6.53	36.1	6.12
		116.0	44.1	7.29	42.5	7.04	41.0	6.87	40.1	6.75	38.5	6.41	36.6	6.08
		145.0	44.4	7.29	42.9	7.04	41.3	6.87	40.2	6.63	38.7	6.41	36.7	6.08
		174.0	44.5	7.29	43.0	7.04	41.4	6.87	40.3	6.57	38.8	6.41	36.8	6.08
	25	46.4	44.3	6.56	43.0	6.32	41.3	6.22	40.4	5.99	39.0	5.77	36.9	5.28
		58.0	44.4	6.55	43.0	6.30	41.3	6.19	40.4	5.96	39.0	5.74	36.9	5.28
		116.0	44.8	6.51	43.0	6.19	41.3	6.08	40.4	5.85	39.0	5.62	36.9	5.28
		145.0	45.0	6.51	43.0	6.21	41.3	5.96	40.4	5.85	39.0	5.52	36.9	5.18
		174.0	45.1	6.51	43.0	6.23	41.3	5.90	40.4	5.85	39.0	5.46	36.9	5.13
	30	46.4	45.0	5.99	43.0	5.77	41.3	5.55	40.4	5.43	39.0	5.09	36.9	4.75
		58.0	45.0	5.96	43.0	5.74	41.3	5.52	40.4	5.40	39.0	5.06	36.9	4.73
		116.0	45.0	5.85	43.0	5.62	41.3	5.40	40.4	5.28	39.0	4.95	36.9	4.61
		145.0	45.0	5.81	43.0	5.52	41.3	5.28	40.4	5.18	39.0	4.95	36.9	4.61
		174.0	45.0	5.78	43.0	5.46	41.3	5.22	40.4	5.13	39.0	4.95	36.9	4.61
	35	46.4	45.0	5.68	43.0	5.31	41.3	5.09	40.4	4.87	39.0	4.64	36.9	4.30
		58.0	45.0	5.62	43.0	5.28	41.3	5.06	40.4	4.84	39.0	4.61	36.9	4.27
		116.0	45.0	5.40	43.0	5.18	41.3	4.95	40.4	4.73	39.0	4.50	36.9	4.17
		145.0	45.0	5.26	43.0	5.06	41.3	4.84	40.4	4.73	39.0	4.50	36.9	4.17
		174.0	45.0	5.19	43.0	5.00	41.3	4.79	40.4	4.73	39.0	4.50	36.9	4.17
	40	46.4	45.0	5.34	43.0	5.12	41.3	4.78	40.4	4.53	39.0	4.30	36.9	3.96
		58.0	45.0	5.28	43.0	5.06	41.3	4.73	40.4	4.50	39.0	4.27	36.9	3.93
		116.0	45.0	5.06	43.0	4.84	41.3	4.50	40.4	4.39	39.0	4.17	36.9	3.83
		145.0	45.0	4.99	43.0	4.73	41.3	4.50	40.4	4.27	39.0	4.05	36.9	3.71
		174.0	45.0	4.96	43.0	4.67	41.3	4.50	40.4	4.21	39.0	3.99	36.9	3.65
	45	46.4	45.0	5.00	43.0	4.93	41.3	4.47	40.4	4.20	39.0	3.96	36.9	3.62
		58.0	45.0	4.95	43.0	4.84	41.3	4.39	40.4	4.17	39.0	3.93	36.9	3.60
		116.0	45.0	4.73	43.0	4.50	41.3	4.05	40.4	4.05	39.0	3.83	36.9	3.49
		145.0	45.0	4.73	43.0	4.39	41.3	4.17	40.4	3.83	39.0	3.60	36.9	3.26
		174.0	45.0	4.73	43.0	4.33	41.3	4.23	40.4	3.72	39.0	3.48	36.9	3.14
100	-5	46.4	15.2	7.16	15.1	6.75	15.0	6.20	14.9	5.93	14.8	5.67	14.5	5.16
		58.0	15.7	7.29	15.6	6.88	15.5	6.33	15.4	6.06	15.3	5.80	15.0	5.27
		116.0	17.8	7.77	17.7	7.39	17.6	6.87	17.4	6.58	17.3	6.30	17.0	5.73
		145.0	19.7	8.27	19.5	7.90	19.4	7.40	19.2	7.10	19.1	6.78	18.7	6.17
		174.0	20.6	8.53	20.4	8.16	20.3	7.67	20.2	7.36	20.0	7.03	19.6	6.39
	0	46.4	27.2	9.80	26.6	9.51	26.0	9.07	25.6	8.69	25.1	8.32	24.2	7.55
		58.0	27.3	9.82	26.7	9.53	26.2	9.10	25.7	8.72	25.2	8.34	24.4	7.58
		116.0	28.0	9.92	27.4	9.62	26.8	9.21	26.3	8.82	25.8	8.44	24.9	7.67
		145.0	28.4	9.92	27.8	9.62	27.2	9.21	26.7	8.82	26.2	8.44	25.3	7.67
		174.0	28.6	9.92	28.0	9.62	27.4	9.21	26.9	8.82	26.4	8.44	25.5	7.67
	5	46.4	40.1	10.53	38.7	10.28	37.8	9.88	37.0	9.46	35.2	9.05	33.6	8.23
		58.0	40.2	10.58	38.8	10.32	37.8	9.93	37.0	9.51	35.2	9.10	33.6	8.27
		116.0	40.8	10.77	39.1	10.51	37.8	10.13	37.0	9.71	35.2	9.29	33.6	8.44
		145.0	41.0	10.83	39.2	10.58	37.8	10.19	37.0	9.78	35.2	9.35	33.6	8.50
		174.0	41.2	10.87	39.3	10.61	37.8	10.23	37.0	9.81	35.2	9.37	33.6	8.53
	10	46.4	40.3	9.42	38.9	9.21	37.8	8.92	37.0	8.62	35.2	8.20	33.6	7.50
		58.0	40.4	9.46	38.9	9.24	37.8	8.95	37.0	8.64	35.2	8.20	33.6	7.51
		116.0	40.8	9.64	39.1	9.36	37.8	9.05	37.0	8.68	35.2	8.24	33.6	7.54
		145.0	41.1	9.60	39.3	9.36	37.8	9.03	37.0	8.66	35.2	8.22	33.6	7.51
		174.0	41.2	9.58	39.4	9.36	37.8	9.02	37.0	8.65	35.2	8.20	33.6	7.49
	15	46.4	40.5	8.30	39.0	8.16	37.8	7.98	37.0	7.79	35.2	7.34	33.6	6.78
		58.0	40.6	8.34	39.1	8.17	37.8	7.98	37.0	7.76	35.2	7.31	33.6	6.75
		116.0	40.8	8.51	39.2	8.19	37.8	7.98	37.0	7.65	35.2	7.20	33.6	6.63
		145.0	41.1	8.37	39.4	8.12	37.8	7.88	37.0	7.54	35.2	7.09	33.6	6.53
		174.0	41.3	8.30	39.5	8.09	37.8	7.83	37.0	7.49	35.2	7.03	33.6	6.48
	20	46.4	40.7	7.10	39.3	6.92	37.8	6.75	37.0	6.66	35.2	6.22	33.6	5.91
		58.0	40.9	7.13	39.3	6.92	37.8	6.75	37.0	6.63	35.2	6.19	33.6	5.85
		116.0	41.5	7.26	39.4	6.95	37.8	6.75	37.0	6.53	35.2	6.08	33.6	5.62
		145.0	41.7	7.13	39.7	6.89	37.8	6.63	37.0	6.41	35.2	5.96	33.6	5.52
		174.0	41.9	7.07	39.9	6.86	37.8	6.57	37.0	6.35	35.2	5.90	33.6	5.46

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	46.4	41.2	6.21	39.9	6.01	37.8	5.77	37.0	5.55	35.2	5.21	33.6	4.73
		58.0	41.4	6.21	39.9	5.98	37.8	5.74	37.0	5.52	35.2	5.18	33.6	4.73
		116.0	42.0	6.24	39.9	5.85	37.8	5.62	37.0	5.40	35.2	5.06	33.6	4.73
		145.0	42.2	6.10	39.9	5.81	37.8	5.52	37.0	5.28	35.2	5.06	33.6	4.61
		174.0	42.3	6.03	39.9	5.78	37.8	5.46	37.0	5.22	35.2	5.06	33.6	4.55
	30	46.4	42.2	5.65	39.9	5.21	37.8	4.85	37.0	4.75	35.2	4.39	33.6	4.20
		58.0	42.2	5.62	39.9	5.18	37.8	4.84	37.0	4.73	35.2	4.39	33.6	4.17
		116.0	42.2	5.52	39.9	5.06	37.8	4.79	37.0	4.61	35.2	4.39	33.6	4.05
		145.0	42.2	5.40	39.9	5.06	37.8	4.73	37.0	4.61	35.2	4.27	33.6	4.05
		174.0	42.2	5.34	39.9	5.06	37.8	4.69	37.0	4.61	35.2	4.21	33.6	4.05
	35	46.4	42.2	5.24	39.9	4.78	37.8	4.28	37.0	4.20	35.2	3.96	33.6	3.62
		58.0	42.2	5.18	39.9	4.73	37.8	4.27	37.0	4.17	35.2	3.93	33.6	3.60
		116.0	42.2	4.95	39.9	4.50	37.8	4.22	37.0	4.05	35.2	3.83	33.6	3.49
		145.0	42.2	4.95	39.9	4.50	37.8	4.17	37.0	4.05	35.2	3.83	33.6	3.49
		174.0	42.2	4.95	39.9	4.50	37.8	4.14	37.0	4.05	35.2	3.83	33.6	3.49
	40	46.4	42.2	4.90	39.9	4.44	37.8	3.84	37.0	3.74	35.2	3.52	33.6	3.29
		58.0	42.2	4.84	39.9	4.39	37.8	3.83	37.0	3.71	35.2	3.49	33.6	3.26
		116.0	42.2	4.61	39.9	4.17	37.8	3.78	37.0	3.60	35.2	3.38	33.6	3.15
		145.0	42.2	4.50	39.9	4.17	37.8	3.71	37.0	3.60	35.2	3.38	33.6	3.15
		174.0	42.2	4.45	39.9	4.17	37.8	3.68	37.0	3.60	35.2	3.38	33.6	3.15
	45	46.4	42.2	4.56	39.9	4.11	37.8	3.39	37.0	3.29	35.2	3.07	33.6	2.95
		58.0	42.2	4.50	39.9	4.05	37.8	3.38	37.0	3.26	35.2	3.04	33.6	2.92
		116.0	42.2	4.27	39.9	3.83	37.8	3.33	37.0	3.15	35.2	2.92	33.6	2.82
		145.0	42.2	4.05	39.9	3.83	37.8	3.26	37.0	3.15	35.2	2.92	33.6	2.82
		174.0	42.2	3.94	39.9	3.83	37.8	3.22	37.0	3.15	35.2	2.92	33.6	2.82
90	-5	46.4	14.3	6.65	13.9	6.05	13.5	5.32	13.4	5.07	13.3	4.88	13.1	4.38
		58.0	14.8	6.76	14.4	6.17	14.0	5.43	13.9	5.18	13.7	4.99	13.5	4.48
		116.0	16.8	7.22	16.3	6.62	15.8	5.90	15.7	5.62	15.6	5.42	15.3	4.86
		145.0	18.6	7.67	18.0	7.09	17.4	6.37	17.3	6.06	17.2	5.84	16.9	5.25
		174.0	19.5	7.90	18.8	7.32	18.3	6.60	18.1	6.29	18.0	6.05	17.7	5.44
	0	46.4	25.7	9.05	24.5	8.50	23.3	7.80	23.0	7.44	22.6	7.16	21.8	6.43
		58.0	25.8	9.08	24.6	8.52	23.5	7.82	23.1	7.46	22.8	7.18	21.9	6.45
		116.0	26.4	9.17	25.2	8.61	24.1	7.90	23.7	7.54	23.3	7.26	22.4	6.52
		145.0	26.8	9.17	25.6	8.61	24.4	7.90	24.0	7.54	23.7	7.26	22.8	6.52
		174.0	27.0	9.17	25.8	8.61	24.6	7.90	24.2	7.54	23.9	7.26	23.0	6.52
	5	46.4	36.3	9.72	35.1	9.17	34.0	8.49	33.3	8.09	31.8	7.79	30.3	6.99
		58.0	36.3	9.76	35.1	9.22	34.0	8.53	33.3	8.13	31.8	7.83	30.3	7.03
		116.0	36.4	9.94	35.0	9.39	34.0	8.69	33.3	8.30	31.8	8.00	30.3	7.17
		145.0	36.6	10.00	35.1	9.45	34.0	8.76	33.3	8.36	31.8	8.05	30.3	7.23
		174.0	36.7	10.03	35.1	9.48	34.0	8.80	33.3	8.39	31.8	8.08	30.3	7.26
	10	46.4	36.4	8.58	35.2	8.16	34.0	7.68	33.3	7.37	31.8	7.07	30.3	6.37
		58.0	36.4	8.59	35.2	8.17	34.0	7.69	33.3	7.38	31.8	7.06	30.3	6.38
		116.0	36.4	8.61	35.0	8.20	34.0	7.73	33.3	7.41	31.8	7.04	30.3	6.40
		145.0	36.6	8.59	35.1	8.18	34.0	7.70	33.3	7.39	31.8	7.06	30.3	6.42
		174.0	36.7	8.58	35.1	8.17	34.0	7.69	33.3	7.38	31.8	7.08	30.3	6.44
	15	46.4	36.6	7.43	35.3	7.16	34.0	6.90	33.3	6.66	31.8	6.35	30.3	5.77
		58.0	36.6	7.40	35.3	7.13	34.0	6.87	33.3	6.63	31.8	6.30	30.3	5.74
		116.0	36.3	7.29	35.0	7.02	34.0	6.75	33.3	6.53	31.8	6.08	30.3	5.62
		145.0	36.6	7.18	35.1	6.91	34.0	6.63	33.3	6.41	31.8	6.08	30.3	5.62
		174.0	36.7	7.13	35.2	6.86	34.0	6.57	33.3	6.35	31.8	6.08	30.3	5.62
	20	46.4	36.9	6.27	35.5	6.09	34.0	5.88	33.3	5.65	31.8	5.46	30.3	5.12
		58.0	36.8	6.27	35.4	6.08	34.0	5.85	33.3	5.62	31.8	5.40	30.3	5.06
		116.0	36.7	6.27	35.1	6.01	34.0	5.74	33.3	5.52	31.8	5.18	30.3	4.84
		145.0	36.8	6.17	35.2	5.96	34.0	5.74	33.3	5.52	31.8	5.18	30.3	4.84
		174.0	36.8	6.12	35.3	5.94	34.0	5.74	33.3	5.52	31.8	5.18	30.3	4.84
	25	46.4	37.5	5.48	35.9	5.19	34.0	4.97	33.3	4.73	31.8	4.53	30.3	4.20
		58.0	37.6	5.47	35.9	5.18	34.0	4.95	33.3	4.73	31.8	4.50	30.3	4.17
		116.0	37.9	5.42	35.9	5.13	34.0	4.84	33.3	4.73	31.8	4.39	30.3	4.05
		145.0	38.0	5.28	35.9	5.02	34.0	4.84	33.3	4.61	31.8	4.39	30.3	4.05
		174.0	38.1	5.21	35.9	4.96	34.0	4.84	33.3	4.55	31.8	4.39	30.3	4.05
	30	46.4	38.0	4.97	35.9	4.64	34.0	4.30	33.3	4.20	31.8	3.96	30.3	3.60
		58.0	38.0	4.95	35.9	4.61	34.0	4.27	33.3	4.17	31.8	3.93	30.3	3.60
		116.0	38.0	4.84	35.9	4.50	34.0	4.17	33.3	4.05	31.8	3.83	30.3	3.60
		145.0	38.0	4.73	35.9	4.39	34.0	4.17	33.3	4.05	31.8	3.83	30.3	3.49
		174.0	38.0	4.67	35.9	4.33	34.0	4.17	33.3	4.05	31.8	3.83	30.3	3.44

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	46.4	38.0	4.53	35.9	4.20	34.0	3.86	33.3	3.74	31.8	3.52	30.3	3.29
		58.0	38.0	4.50	35.9	4.17	34.0	3.83	33.3	3.71	31.8	3.49	30.3	3.26
		116.0	38.0	4.39	35.9	4.05	34.0	3.71	33.3	3.60	31.8	3.38	30.3	3.15
		145.0	38.0	4.27	35.9	3.93	34.0	3.60	33.3	3.49	31.8	3.38	30.3	3.15
		174.0	38.0	4.21	35.9	3.87	34.0	3.54	33.3	3.44	31.8	3.38	30.3	3.15
	40	46.4	38.0	4.23	35.9	3.86	34.0	3.40	33.3	3.29	31.8	3.18	30.3	2.95
		58.0	38.0	4.17	35.9	3.83	34.0	3.38	33.3	3.26	31.8	3.15	30.3	2.92
		116.0	38.0	3.93	35.9	3.71	34.0	3.26	33.3	3.15	31.8	3.04	30.3	2.82
		145.0	38.0	3.93	35.9	3.71	34.0	3.26	33.3	3.15	31.8	3.04	30.3	2.82
		174.0	38.0	3.93	35.9	3.71	34.0	3.26	33.3	3.15	31.8	3.04	30.3	2.82
	45	46.4	38.0	3.91	35.9	3.52	34.0	2.95	33.3	2.85	31.8	2.85	30.3	2.61
		58.0	38.0	3.83	35.9	3.49	34.0	2.92	33.3	2.82	31.8	2.82	30.3	2.58
		116.0	38.0	3.49	35.9	3.38	34.0	2.82	33.3	2.70	31.8	2.70	30.3	2.48
		145.0	38.0	3.60	35.9	3.49	34.0	2.92	33.3	2.82	31.8	2.70	30.3	2.48
		174.0	38.0	3.65	35.9	3.55	34.0	2.97	33.3	2.88	31.8	2.70	30.3	2.48
80	-5	46.4	13.6	4.74	12.7	4.56	12.0	4.36	11.9	4.21	11.8	4.02	11.6	3.70
		58.0	14.0	4.84	13.2	4.66	12.4	4.46	12.3	4.31	12.2	4.11	12.0	3.78
		116.0	15.9	5.26	14.9	5.05	14.1	4.83	13.9	4.67	13.9	4.46	13.6	4.10
		145.0	17.5	5.67	16.4	5.45	15.5	5.21	15.4	5.04	15.3	4.81	15.0	4.42
		174.0	18.4	5.87	17.2	5.65	16.3	5.41	16.1	5.23	16.0	4.98	15.7	4.59
	0	46.4	24.2	6.95	22.3	6.67	20.8	6.39	20.4	6.17	20.1	5.88	19.4	5.42
		58.0	24.4	6.97	22.5	6.69	20.9	6.41	20.5	6.19	20.3	5.90	19.5	5.43
		116.0	25.0	7.05	23.0	6.77	21.4	6.48	21.0	6.26	20.7	5.97	19.9	5.49
		145.0	25.3	7.05	23.3	6.77	21.8	6.48	21.3	6.26	21.1	5.97	20.3	5.49
		174.0	25.5	7.05	23.5	6.77	21.9	6.48	21.5	6.26	21.2	5.97	20.4	5.49
	5	46.4	33.5	7.56	31.6	7.27	30.2	6.94	29.6	6.71	28.3	6.40	26.9	5.89
		58.0	33.6	7.60	31.7	7.31	30.2	6.98	29.6	6.75	28.3	6.44	26.9	5.92
		116.0	33.9	7.76	31.9	7.45	30.3	7.13	29.6	6.89	28.3	6.56	26.9	6.05
		145.0	33.9	7.81	31.9	7.51	30.3	7.18	29.6	6.94	28.3	6.61	26.9	6.09
		174.0	33.9	7.83	31.9	7.54	30.3	7.20	29.6	6.96	28.3	6.63	26.9	6.10
	10	46.4	33.7	6.96	31.8	6.64	30.2	6.30	29.6	6.13	28.3	5.80	26.9	5.37
		58.0	33.7	6.95	31.8	6.63	30.2	6.31	29.6	6.13	28.3	5.81	26.9	5.38
		116.0	33.9	6.91	31.9	6.60	30.3	6.32	29.6	6.14	28.3	5.82	26.9	5.39
		145.0	33.9	6.89	31.9	6.62	30.3	6.34	29.6	6.11	28.3	5.78	26.9	5.35
		174.0	33.9	6.88	31.9	6.63	30.3	6.35	29.6	6.09	28.3	5.77	26.9	5.34
	15	46.4	33.9	6.35	31.9	6.01	30.3	5.65	29.6	5.55	28.3	5.21	26.9	4.87
		58.0	33.9	6.30	31.9	5.96	30.3	5.62	29.6	5.52	28.3	5.18	26.9	4.84
		116.0	33.9	6.08	31.9	5.74	30.3	5.52	29.6	5.40	28.3	5.06	26.9	4.73
		145.0	33.9	5.96	31.9	5.74	30.3	5.52	29.6	5.28	28.3	4.95	26.9	4.61
		174.0	33.9	5.90	31.9	5.74	30.3	5.52	29.6	5.22	28.3	4.89	26.9	4.55
	20	46.4	33.9	5.31	31.9	5.09	30.3	4.84	29.6	4.75	28.3	4.53	26.9	4.20
		58.0	33.9	5.28	31.9	5.06	30.3	4.84	29.6	4.73	28.3	4.50	26.9	4.17
		116.0	33.9	5.18	31.9	4.95	30.3	4.84	29.6	4.61	28.3	4.39	26.9	4.05
		145.0	33.9	5.06	31.9	4.84	30.3	4.73	29.6	4.61	28.3	4.27	26.9	4.05
		174.0	33.9	5.00	31.9	4.79	30.3	4.67	29.6	4.61	28.3	4.21	26.9	4.05
	25	46.4	33.9	4.75	31.9	4.42	30.3	4.17	29.6	4.08	28.3	3.86	26.9	3.62
		58.0	33.9	4.73	31.9	4.39	30.3	4.17	29.6	4.05	28.3	3.83	26.9	3.60
		116.0	33.9	4.61	31.9	4.27	30.3	4.17	29.6	3.93	28.3	3.71	26.9	3.49
		145.0	33.9	4.50	31.9	4.27	30.3	4.05	29.6	3.93	28.3	3.71	26.9	3.49
		174.0	33.9	4.45	31.9	4.27	30.3	3.99	29.6	3.93	28.3	3.71	26.9	3.49
	30	46.4	33.9	4.20	31.9	3.96	30.3	3.74	29.6	3.62	28.3	3.40	26.9	3.18
		58.0	33.9	4.17	31.9	3.93	30.3	3.71	29.6	3.60	28.3	3.38	26.9	3.15
		116.0	33.9	4.05	31.9	3.83	30.3	3.60	29.6	3.49	28.3	3.26	26.9	3.04
		145.0	33.9	4.05	31.9	3.83	30.3	3.60	29.6	3.49	28.3	3.26	26.9	3.04
		174.0	33.9	4.05	31.9	3.83	30.3	3.60	29.6	3.49	28.3	3.26	26.9	3.04
	35	46.4	33.9	3.86	31.9	3.62	30.3	3.29	29.6	3.15	28.3	3.07	26.9	2.82
		58.0	33.9	3.83	31.9	3.60	30.3	3.26	29.6	3.15	28.3	3.04	26.9	2.82
		116.0	33.9	3.71	31.9	3.49	30.3	3.15	29.6	3.15	28.3	2.92	26.9	2.82
		145.0	33.9	3.71	31.9	3.38	30.3	3.15	29.6	3.04	28.3	2.92	26.9	2.70
		174.0	33.9	3.71	31.9	3.32	30.3	3.15	29.6	2.98	28.3	2.92	26.9	2.64
	40	46.4	33.9	3.65	31.9	3.29	30.3	2.92	29.6	2.95	28.3	2.70	26.9	2.61
		58.0	33.9	3.60	31.9	3.26	30.3	2.92	29.6	2.92	28.3	2.70	26.9	2.58
		116.0	33.9	3.38	31.9	3.15	30.3	2.92	29.6	2.82	28.3	2.70	26.9	2.48
		145.0	33.9	3.38	31.9	3.15	30.3	2.82	29.6	2.82	28.3	2.70	26.9	2.48
		174.0	33.9	3.38	31.9	3.15	30.3	2.76	29.6	2.82	28.3	2.70	26.9	2.48

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	46.4	33.9	3.46	31.9	2.95	30.3	2.55	29.6	2.76	28.3	2.33	26.9	2.42
		58.0	33.9	3.38	31.9	2.92	30.3	2.58	29.6	2.70	28.3	2.36	26.9	2.36
		116.0	33.9	3.04	31.9	2.82	30.3	2.70	29.6	2.48	28.3	2.48	26.9	2.14
		145.0	33.9	3.04	31.9	2.92	30.3	2.48	29.6	2.58	28.3	2.48	26.9	2.25
		174.0	33.9	3.04	31.9	2.97	30.3	2.37	29.6	2.64	28.3	2.48	26.9	2.30
70	-5	46.4	11.8	4.07	11.1	3.87	10.5	3.75	10.4	3.53	10.3	3.41	10.2	3.10
		58.0	12.2	4.15	11.5	3.96	10.9	3.83	10.8	3.61	10.7	3.48	10.5	3.17
		116.0	13.9	4.50	13.0	4.29	12.3	4.15	12.2	3.91	12.1	3.77	11.9	3.43
		145.0	15.3	4.86	14.4	4.63	13.6	4.48	13.5	4.21	13.4	4.07	13.1	3.70
		174.0	16.1	5.05	15.1	4.80	14.2	4.64	14.1	4.37	14.0	4.23	13.7	3.84
	0	46.4	21.2	5.95	19.6	5.68	18.2	5.49	17.9	5.16	17.6	4.99	17.0	4.54
		58.0	21.3	5.97	19.7	5.69	18.3	5.50	18.0	5.18	17.7	5.00	17.1	4.55
		116.0	21.8	6.04	20.1	5.75	18.7	5.57	18.4	5.24	18.1	5.06	17.4	4.60
		145.0	22.1	6.04	20.5	5.75	19.0	5.57	18.7	5.24	18.4	5.06	17.7	4.60
		174.0	22.3	6.04	20.6	5.75	19.1	5.57	18.8	5.24	18.5	5.06	17.9	4.60
	5	46.4	29.3	6.48	27.7	6.17	26.4	5.97	25.8	5.63	24.7	5.43	23.5	4.93
		58.0	29.3	6.52	27.8	6.20	26.4	6.01	25.8	5.66	24.7	5.46	23.5	4.96
		116.0	29.6	6.65	28.0	6.33	26.4	6.13	25.8	5.76	24.7	5.57	23.5	5.06
		145.0	29.6	6.69	28.0	6.38	26.4	6.18	25.8	5.81	24.7	5.61	23.5	5.10
		174.0	29.6	6.72	27.9	6.40	26.4	6.20	25.8	5.83	24.7	5.63	23.5	5.12
	10	46.4	29.4	5.97	27.8	5.64	26.4	5.44	25.8	5.13	24.7	4.92	23.5	4.50
		58.0	29.4	5.96	27.8	5.63	26.4	5.42	25.8	5.13	24.7	4.92	23.5	4.50
		116.0	29.6	5.91	28.0	5.59	26.4	5.38	25.8	5.13	24.7	4.92	23.5	4.50
		145.0	29.6	5.94	28.0	5.61	26.4	5.40	25.8	5.16	24.7	4.89	23.5	4.52
		174.0	29.6	5.95	28.0	5.62	26.4	5.41	25.8	5.17	24.7	4.87	23.5	4.52
	15	46.4	29.6	5.46	28.0	5.12	26.4	4.90	25.8	4.64	24.7	4.42	23.5	4.08
		58.0	29.6	5.40	28.0	5.06	26.4	4.84	25.8	4.61	24.7	4.39	23.5	4.05
		116.0	29.6	5.18	28.0	4.84	26.4	4.61	25.8	4.50	24.7	4.27	23.5	3.93
		145.0	29.6	5.18	28.0	4.84	26.4	4.61	25.8	4.50	24.7	4.17	23.5	3.93
		174.0	29.6	5.18	28.0	4.84	26.4	4.61	25.8	4.50	24.7	4.11	23.5	3.93
	20	46.4	29.6	4.53	28.0	4.30	26.4	4.20	25.8	4.08	24.7	3.86	23.5	3.62
		58.0	29.6	4.50	28.0	4.27	26.4	4.17	25.8	4.05	24.7	3.83	23.5	3.60
		116.0	29.6	4.39	28.0	4.17	26.4	4.05	25.8	3.93	24.7	3.71	23.5	3.49
		145.0	29.6	4.39	28.0	4.17	26.4	4.05	25.8	3.83	24.7	3.71	23.5	3.38
		174.0	29.6	4.39	28.0	4.17	26.4	4.05	25.8	3.78	24.7	3.71	23.5	3.32
	25	46.4	29.6	4.08	28.0	3.86	26.4	3.62	25.8	3.52	24.7	3.26	23.5	3.04
		58.0	29.6	4.05	28.0	3.83	26.4	3.60	25.8	3.49	24.7	3.26	23.5	3.04
		116.0	29.6	3.93	28.0	3.71	26.4	3.49	25.8	3.38	24.7	3.26	23.5	3.04
		145.0	29.6	3.83	28.0	3.60	26.4	3.49	25.8	3.38	24.7	3.15	23.5	3.04
		174.0	29.6	3.78	28.0	3.54	26.4	3.49	25.8	3.38	24.7	3.10	23.5	3.04
	30	46.4	29.6	3.62	28.0	3.40	26.4	3.18	25.8	3.04	24.7	2.95	23.5	2.70
		58.0	29.6	3.60	28.0	3.38	26.4	3.15	25.8	3.04	24.7	2.92	23.5	2.70
		116.0	29.6	3.49	28.0	3.26	26.4	3.04	25.8	3.04	24.7	2.82	23.5	2.70
		145.0	29.6	3.49	28.0	3.26	26.4	3.04	25.8	2.92	24.7	2.82	23.5	2.70
		174.0	29.6	3.49	28.0	3.26	26.4	3.04	25.8	2.86	24.7	2.82	23.5	2.70
	35	46.4	29.6	3.29	28.0	3.07	26.4	2.82	25.8	2.85	24.7	2.58	23.5	2.51
		58.0	29.6	3.26	28.0	3.04	26.4	2.82	25.8	2.82	24.7	2.58	23.5	2.48
		116.0	29.6	3.15	28.0	2.92	26.4	2.82	25.8	2.70	24.7	2.58	23.5	2.36
		145.0	29.6	3.15	28.0	2.92	26.4	2.70	25.8	2.70	24.7	2.58	23.5	2.36
		174.0	29.6	3.15	28.0	2.92	26.4	2.64	25.8	2.70	24.7	2.58	23.5	2.36
	40	46.4	29.6	3.07	28.0	2.85	26.4	2.61	25.8	2.48	24.7	2.36	23.5	2.27
		58.0	29.6	3.04	28.0	2.82	26.4	2.58	25.8	2.48	24.7	2.36	23.5	2.25
		116.0	29.6	2.92	28.0	2.70	26.4	2.48	25.8	2.48	24.7	2.36	23.5	2.14
		145.0	29.6	2.92	28.0	2.70	26.4	2.48	25.8	2.36	24.7	2.25	23.5	2.14
		174.0	29.6	2.92	28.0	2.70	26.4	2.48	25.8	2.30	24.7	2.19	23.5	2.14
	45	46.4	29.6	2.85	28.0	2.61	26.4	2.42	25.8	2.11	24.7	2.14	23.5	2.05
		58.0	29.6	2.82	28.0	2.58	26.4	2.36	25.8	2.14	24.7	2.14	23.5	2.03
		116.0	29.6	2.70	28.0	2.48	26.4	2.14	25.8	2.25	24.7	2.14	23.5	1.91
		145.0	29.6	2.70	28.0	2.48	26.4	2.25	25.8	2.03	24.7	1.91	23.5	1.91
		174.0	29.6	2.70	28.0	2.48	26.4	2.30	25.8	1.91	24.7	1.79	23.5	1.91
60	-5	46.4	10.2	3.30	9.5	3.18	9.0	3.05	8.9	2.84	8.9	2.79	8.7	2.49
		58.0	10.5	3.38	9.8	3.25	9.3	3.12	9.2	2.90	9.2	2.85	9.0	2.55
		116.0	11.9	3.67	11.1	3.53	10.5	3.39	10.4	3.14	10.4	3.10	10.2	2.77
		145.0	13.2	3.95	12.3	3.81	11.7	3.65	11.5	3.40	11.5	3.34	11.3	2.98
		174.0	13.8	4.09	12.9	3.95	12.2	3.79	12.1	3.53	12.0	3.46	11.8	3.08

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	46.4	18.2	4.84	16.7	4.67	15.6	4.47	15.3	4.15	15.1	4.10	14.5	3.66
		58.0	18.3	4.85	16.8	4.68	15.7	4.48	15.4	4.17	15.2	4.11	14.6	3.67
		116.0	18.7	4.91	17.2	4.73	16.1	4.54	15.8	4.21	15.5	4.15	14.9	3.70
		145.0	19.0	4.91	17.5	4.73	16.4	4.54	16.0	4.21	15.8	4.15	15.2	3.70
		174.0	19.1	4.91	17.7	4.73	16.5	4.54	16.1	4.21	15.9	4.15	15.3	3.70
	5	46.4	25.1	5.27	23.7	5.07	22.7	4.86	22.2	4.53	21.2	4.46	20.2	3.97
		58.0	25.2	5.30	23.7	5.10	22.7	4.89	22.2	4.55	21.2	4.48	20.2	3.99
		116.0	25.4	5.40	23.9	5.20	22.7	4.99	22.2	4.64	21.2	4.57	20.2	4.07
		145.0	25.4	5.45	23.9	5.24	22.7	5.03	22.2	4.68	21.2	4.60	20.2	4.11
		174.0	25.4	5.47	23.9	5.25	22.7	5.05	22.2	4.70	21.2	4.61	20.2	4.13
	10	46.4	25.3	4.84	23.8	4.63	22.7	4.41	22.2	4.12	21.2	4.04	20.2	3.62
		58.0	25.3	4.84	23.8	4.63	22.7	4.41	22.2	4.13	21.2	4.04	20.2	3.63
		116.0	25.4	4.84	23.9	4.63	22.7	4.41	22.2	4.18	21.2	4.03	20.2	3.67
		145.0	25.4	4.85	23.9	4.59	22.7	4.36	22.2	4.13	21.2	3.99	20.2	3.63
		174.0	25.4	4.86	23.9	4.56	22.7	4.34	22.2	4.11	21.2	3.97	20.2	3.61
	15	46.4	25.4	4.42	23.9	4.20	22.7	3.96	22.2	3.71	21.2	3.62	20.2	3.26
		58.0	25.4	4.39	23.9	4.17	22.7	3.93	22.2	3.71	21.2	3.60	20.2	3.26
		116.0	25.4	4.27	23.9	4.05	22.7	3.83	22.2	3.71	21.2	3.49	20.2	3.26
		145.0	25.4	4.27	23.9	3.93	22.7	3.71	22.2	3.60	21.2	3.38	20.2	3.15
		174.0	25.4	4.27	23.9	3.87	22.7	3.65	22.2	3.54	21.2	3.32	20.2	3.10
	20	46.4	25.4	3.86	23.9	3.62	22.7	3.40	22.2	3.29	21.2	3.18	20.2	2.95
		58.0	25.4	3.83	23.9	3.60	22.7	3.38	22.2	3.26	21.2	3.15	20.2	2.92
		116.0	25.4	3.71	23.9	3.49	22.7	3.26	22.2	3.15	21.2	3.04	20.2	2.82
		145.0	25.4	3.71	23.9	3.49	22.7	3.26	22.2	3.15	21.2	3.04	20.2	2.82
		174.0	25.4	3.71	23.9	3.49	22.7	3.26	22.2	3.15	21.2	3.04	20.2	2.82
	25	46.4	25.4	3.40	23.9	3.18	22.7	2.92	22.2	2.95	21.2	2.70	20.2	2.61
		58.0	25.4	3.38	23.9	3.15	22.7	2.92	22.2	2.92	21.2	2.70	20.2	2.58
		116.0	25.4	3.26	23.9	3.04	22.7	2.92	22.2	2.82	21.2	2.70	20.2	2.48
		145.0	25.4	3.26	23.9	3.04	22.7	2.82	22.2	2.82	21.2	2.70	20.2	2.48
		174.0	25.4	3.26	23.9	3.04	22.7	2.76	22.2	2.82	21.2	2.70	20.2	2.48
	30	46.4	25.4	3.07	23.9	2.85	22.7	2.73	22.2	2.61	21.2	2.51	20.2	2.39
		58.0	25.4	3.04	23.9	2.82	22.7	2.70	22.2	2.58	21.2	2.48	20.2	2.36
		116.0	25.4	2.92	23.9	2.70	22.7	2.58	22.2	2.48	21.2	2.36	20.2	2.25
		145.0	25.4	2.92	23.9	2.70	22.7	2.58	22.2	2.48	21.2	2.36	20.2	2.25
		174.0	25.4	2.92	23.9	2.70	22.7	2.58	22.2	2.48	21.2	2.36	20.2	2.25
	35	46.4	25.4	2.70	23.9	2.61	22.7	2.36	22.2	2.39	21.2	2.27	20.2	2.17
		58.0	25.4	2.70	23.9	2.58	22.7	2.36	22.2	2.36	21.2	2.25	20.2	2.14
		116.0	25.4	2.70	23.9	2.48	22.7	2.36	22.2	2.25	21.2	2.14	20.2	2.03
		145.0	25.4	2.70	23.9	2.48	22.7	2.25	22.2	2.25	21.2	2.14	20.2	2.03
		174.0	25.4	2.70	23.9	2.48	22.7	2.19	22.2	2.25	21.2	2.14	20.2	2.03
	40	46.4	25.4	2.48	23.9	2.39	22.7	2.14	22.2	2.17	21.2	2.05	20.2	1.91
		58.0	25.4	2.48	23.9	2.36	22.7	2.14	22.2	2.14	21.2	2.03	20.2	1.91
		116.0	25.4	2.48	23.9	2.25	22.7	2.14	22.2	2.03	21.2	1.91	20.2	1.91
		145.0	25.4	2.48	23.9	2.25	22.7	2.14	22.2	2.03	21.2	1.91	20.2	1.91
		174.0	25.4	2.48	23.9	2.25	22.7	2.14	22.2	2.03	21.2	1.91	20.2	1.91
	45	46.4	25.4	2.25	23.9	2.17	22.7	1.91	22.2	1.94	21.2	1.83	20.2	1.66
		58.0	25.4	2.25	23.9	2.14	22.7	1.91	22.2	1.91	21.2	1.80	20.2	1.69
		116.0	25.4	2.25	23.9	2.03	22.7	1.91	22.2	1.80	21.2	1.69	20.2	1.80
		145.0	25.4	2.25	23.9	2.03	22.7	2.03	22.2	1.80	21.2	1.69	20.2	1.80
		174.0	25.4	2.25	23.9	2.03	22.7	2.08	22.2	1.80	21.2	1.69	20.2	1.80
50	-5	46.4	8.5	2.63	8.0	2.49	7.5	2.36	7.4	2.23	7.4	2.09	7.2	1.98
		58.0	8.8	2.69	8.2	2.55	7.8	2.41	7.7	2.28	7.6	2.14	7.5	2.03
		116.0	9.9	2.91	9.3	2.77	8.8	2.61	8.7	2.48	8.7	2.33	8.5	2.19
		145.0	10.9	3.14	10.3	2.98	9.7	2.82	9.6	2.68	9.5	2.50	9.4	2.36
		174.0	11.5	3.26	10.8	3.08	10.2	2.92	10.1	2.78	10.0	2.59	9.8	2.45
	0	46.4	15.1	3.85	14.0	3.66	13.0	3.44	12.7	3.27	12.5	3.08	12.1	2.90
		58.0	15.2	3.86	14.1	3.67	13.1	3.46	12.8	3.28	12.6	3.08	12.2	2.91
		116.0	15.5	3.90	14.4	3.70	13.4	3.50	13.1	3.33	12.9	3.12	12.4	2.94
		145.0	15.8	3.90	14.6	3.70	13.6	3.50	13.3	3.33	13.1	3.12	12.7	2.94
		174.0	15.9	3.90	14.7	3.70	13.7	3.50	13.4	3.33	13.2	3.12	12.8	2.94
	5	46.4	20.9	4.19	19.8	3.97	18.9	3.75	18.4	3.57	17.6	3.35	16.8	3.15
		58.0	20.9	4.21	19.8	3.99	18.9	3.77	18.4	3.58	17.6	3.36	16.8	3.17
		116.0	21.1	4.29	20.0	4.07	18.9	3.85	18.4	3.65	17.6	3.42	16.8	3.24
		145.0	21.1	4.33	19.9	4.11	18.9	3.88	18.4	3.68	17.6	3.46	16.8	3.26
		174.0	21.1	4.35	19.9	4.13	18.9	3.89	18.4	3.69	17.6	3.47	16.8	3.27

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heading Capacity(12HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	46.4	21.0	3.86	19.8	3.63	18.9	3.42	18.4	3.26	17.6	3.02	16.8	2.88
		58.0	21.0	3.85	19.9	3.63	18.9	3.41	18.4	3.26	17.6	3.03	16.8	2.87
		116.0	21.1	3.83	20.0	3.62	18.9	3.39	18.4	3.24	17.6	3.06	16.8	2.85
		145.0	21.1	3.85	19.9	3.63	18.9	3.40	18.4	3.25	17.6	3.01	16.8	2.86
		174.0	21.1	3.86	19.9	3.64	18.9	3.40	18.4	3.25	17.6	2.99	16.8	2.87
	15	46.4	21.1	3.52	19.9	3.29	18.9	3.07	18.4	2.95	17.6	2.70	16.8	2.61
		58.0	21.1	3.49	19.9	3.26	18.9	3.04	18.4	2.92	17.6	2.70	16.8	2.58
		116.0	21.1	3.38	19.9	3.15	18.9	2.92	18.4	2.82	17.6	2.70	16.8	2.48
		145.0	21.1	3.38	19.9	3.15	18.9	2.92	18.4	2.82	17.6	2.58	16.8	2.48
		174.0	21.1	3.38	19.9	3.15	18.9	2.92	18.4	2.82	17.6	2.52	16.8	2.48
	20	46.4	21.1	3.07	19.9	2.85	18.9	2.73	18.4	2.61	17.6	2.51	16.8	2.25
		58.0	21.1	3.04	19.9	2.82	18.9	2.70	18.4	2.58	17.6	2.48	16.8	2.25
		116.0	21.1	2.92	19.9	2.70	18.9	2.58	18.4	2.48	17.6	2.36	16.8	2.25
		145.0	21.1	2.92	19.9	2.70	18.9	2.58	18.4	2.48	17.6	2.36	16.8	2.25
		174.0	21.1	2.92	19.9	2.70	18.9	2.58	18.4	2.48	17.6	2.36	16.8	2.25
	25	46.4	21.1	2.73	19.9	2.48	18.9	2.39	18.4	2.25	17.6	2.14	16.8	2.03
		58.0	21.1	2.70	19.9	2.48	18.9	2.36	18.4	2.25	17.6	2.14	16.8	2.03
		116.0	21.1	2.58	19.9	2.48	18.9	2.25	18.4	2.25	17.6	2.14	16.8	2.03
		145.0	21.1	2.58	19.9	2.48	18.9	2.25	18.4	2.25	17.6	2.14	16.8	2.03
		174.0	21.1	2.58	19.9	2.48	18.9	2.25	18.4	2.25	17.6	2.14	16.8	2.03
	30	46.4	21.1	2.51	19.9	2.27	18.9	2.17	18.4	2.03	17.6	2.05	16.8	1.94
		58.0	21.1	2.48	19.9	2.25	18.9	2.14	18.4	2.03	17.6	2.03	16.8	1.91
		116.0	21.1	2.36	19.9	2.14	18.9	2.03	18.4	2.03	17.6	1.91	16.8	1.80
		145.0	21.1	2.36	19.9	2.14	18.9	2.03	18.4	2.03	17.6	1.91	16.8	1.80
		174.0	21.1	2.36	19.9	2.14	18.9	2.03	18.4	2.03	17.6	1.91	16.8	1.80
	35	46.4	21.1	2.27	19.9	2.03	18.9	1.91	18.4	1.94	17.6	1.80	16.8	1.69
		58.0	21.1	2.25	19.9	2.03	18.9	1.91	18.4	1.91	17.6	1.80	16.8	1.69
		116.0	21.1	2.14	19.9	2.03	18.9	1.91	18.4	1.80	17.6	1.80	16.8	1.69
		145.0	21.1	2.14	19.9	2.03	18.9	1.91	18.4	1.80	17.6	1.80	16.8	1.69
		174.0	21.1	2.14	19.9	2.03	18.9	1.91	18.4	1.80	17.6	1.80	16.8	1.69
	40	46.4	21.1	2.05	19.9	1.94	18.9	1.83	18.4	1.69	17.6	1.72	16.8	1.57
		58.0	21.1	2.03	19.9	1.91	18.9	1.80	18.4	1.69	17.6	1.69	16.8	1.57
		116.0	21.1	1.91	19.9	1.80	18.9	1.69	18.4	1.69	17.6	1.57	16.8	1.57
		145.0	21.1	1.91	19.9	1.80	18.9	1.69	18.4	1.69	17.6	1.57	16.8	1.57
		174.0	21.1	1.91	19.9	1.80	18.9	1.69	18.4	1.69	17.6	1.57	16.8	1.57
	45	46.4	21.1	1.83	19.9	1.86	18.9	1.74	18.4	1.44	17.6	1.63	16.8	1.47
		58.0	21.1	1.80	19.9	1.80	18.9	1.69	18.4	1.47	17.6	1.57	16.8	1.47
		116.0	21.1	1.69	19.9	1.57	18.9	1.47	18.4	1.57	17.6	1.35	16.8	1.47
		145.0	21.1	1.69	19.9	1.57	18.9	1.47	18.4	1.57	17.6	1.35	16.8	1.47
		174.0	21.1	1.69	19.9	1.57	18.9	1.47	18.4	1.57	17.6	1.35	16.8	1.47

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(14HP)

ARWN140LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	54.0	20.9	8.56	20.7	8.06	20.6	7.50	20.3	7.28	20.5	7.09	20.0	6.35
		67.5	21.6	8.71	21.4	8.21	21.3	7.66	21.0	7.44	21.3	7.24	20.7	6.49
		135.0	24.4	9.30	24.2	8.83	24.1	8.31	23.8	8.07	24.0	7.85	23.4	7.04
		168.8	27.0	9.89	26.7	9.44	26.6	8.96	26.3	8.72	26.6	8.47	25.9	7.59
		202.5	28.3	10.19	28.0	9.74	27.8	9.29	27.5	9.05	27.9	8.78	27.1	7.87
	0	54.0	37.3	11.70	36.4	11.35	35.6	10.98	34.9	10.67	35.0	10.38	33.4	9.30
		67.5	37.5	11.73	36.6	11.38	35.9	11.02	35.1	10.71	35.2	10.41	33.6	9.33
		135.0	38.4	11.86	37.5	11.49	36.7	11.14	35.9	10.83	36.0	10.52	34.4	9.44
		168.8	39.0	11.86	38.0	11.49	37.2	11.14	36.4	10.83	36.6	10.52	34.9	9.44
		202.5	39.3	11.86	38.3	11.49	37.5	11.14	36.7	10.83	36.8	10.52	35.2	9.44
	5	54.0	53.7	12.58	52.9	12.27	51.8	11.96	50.5	11.62	49.1	11.30	46.4	10.12
		67.5	53.9	12.64	53.0	12.33	51.8	12.02	50.5	11.68	49.1	11.35	46.4	10.17
		135.0	54.6	12.86	53.3	12.55	51.8	12.26	50.5	11.92	49.1	11.58	46.4	10.38
		168.8	54.9	12.95	53.5	12.64	51.8	12.34	50.5	12.00	49.1	11.66	46.4	10.45
		202.5	55.1	12.99	53.6	12.68	51.8	12.38	50.5	12.04	49.1	11.71	46.4	10.49
	10	54.0	53.7	11.45	52.9	11.06	51.6	10.85	50.3	10.61	48.9	10.25	46.2	9.25
		67.5	54.1	11.42	53.1	11.07	51.8	10.87	50.5	10.61	49.1	10.24	46.4	9.24
		135.0	55.3	11.34	54.1	11.11	52.6	10.96	51.3	10.59	49.8	10.21	47.1	9.21
		168.8	55.6	11.49	54.5	11.27	53.0	11.00	51.5	10.64	50.2	10.38	47.4	9.65
		202.5	55.8	11.57	54.7	11.35	53.1	11.02	51.6	10.66	50.3	10.47	47.6	9.87
	15	54.0	53.8	10.32	52.9	9.87	51.4	9.77	50.0	9.61	48.7	9.20	46.0	8.38
		67.5	54.3	10.21	53.3	9.83	51.8	9.75	50.5	9.54	49.1	9.13	46.4	8.31
		135.0	56.0	9.80	54.9	9.66	53.5	9.66	52.1	9.25	50.6	8.85	47.9	8.03
		168.8	56.3	10.04	55.4	9.89	54.1	9.66	52.6	9.25	51.3	9.10	48.4	8.85
		202.5	56.5	10.16	55.7	10.00	54.4	9.66	52.9	9.25	51.6	9.23	48.7	9.26
	20	54.0	55.9	9.46	54.9	9.02	53.4	8.83	51.9	8.54	50.4	8.35	47.4	8.10
		67.5	56.3	9.40	55.3	9.02	53.8	8.82	52.3	8.58	50.9	8.41	47.9	8.03
		135.0	58.1	9.13	57.1	8.99	55.5	8.79	54.0	8.72	52.6	8.63	49.6	7.76
		168.8	58.3	9.13	57.5	8.99	56.1	8.85	54.5	8.72	53.0	8.63	50.0	8.25
		202.5	58.5	9.13	57.7	8.99	56.5	8.87	54.8	8.72	53.2	8.63	50.3	8.50
	25	54.0	59.0	9.02	57.5	8.76	56.1	8.61	55.1	8.47	53.8	8.35	50.7	7.80
		67.5	59.0	8.99	57.5	8.75	56.1	8.58	55.1	8.44	53.8	8.31	50.7	7.76
		135.0	59.0	8.85	57.5	8.69	56.1	8.44	55.1	8.31	53.8	8.17	50.7	7.62
		168.8	59.0	8.72	57.5	8.47	56.1	8.31	55.1	8.17	53.8	8.03	50.7	7.49
		202.5	59.0	8.66	57.5	8.35	56.1	8.25	55.1	8.10	53.8	7.96	50.7	7.43
	30	54.0	59.0	8.79	57.5	8.35	56.1	8.28	55.1	8.06	53.8	7.97	50.7	7.42
		67.5	59.0	8.72	57.5	8.34	56.1	8.23	55.1	8.03	53.8	7.90	50.7	7.35
		135.0	59.0	8.44	57.5	8.28	56.1	8.03	55.1	7.90	53.8	7.62	50.7	7.09
		168.8	59.0	8.31	57.5	8.06	56.1	7.90	55.1	7.76	53.8	7.62	50.7	7.09
		202.5	59.0	8.25	57.5	7.94	56.1	7.84	55.1	7.69	53.8	7.62	50.7	7.09
	35	54.0	59.0	8.38	57.5	8.10	56.1	7.94	55.1	7.65	53.8	7.39	50.7	6.87
		67.5	59.0	8.31	57.5	8.06	56.1	7.90	55.1	7.62	53.8	7.35	50.7	6.80
		135.0	59.0	8.03	57.5	7.87	56.1	7.76	55.1	7.49	53.8	7.21	50.7	6.54
		168.8	59.0	8.03	57.5	7.79	56.1	7.62	55.1	7.35	53.8	7.09	50.7	6.54
		202.5	59.0	8.03	57.5	7.75	56.1	7.55	55.1	7.28	53.8	7.02	50.7	6.54
	40	54.0	59.0	8.10	57.5	7.84	56.1	7.69	55.1	7.42	53.8	7.16	50.7	6.46
		67.5	59.0	8.03	57.5	7.79	56.1	7.62	55.1	7.35	53.8	7.09	50.7	6.40
		135.0	59.0	7.76	57.5	7.59	56.1	7.35	55.1	7.09	53.8	6.80	50.7	6.13
		168.8	59.0	7.62	57.5	7.47	56.1	7.35	55.1	7.09	53.8	6.80	50.7	6.13
		202.5	59.0	7.55	57.5	7.40	56.1	7.35	55.1	7.09	53.8	6.80	50.7	6.13
	45	54.0	59.0	7.83	57.5	7.57	56.1	7.46	55.1	7.19	53.8	6.91	50.7	6.05
		67.5	59.0	7.76	57.5	7.52	56.1	7.35	55.1	7.09	53.8	6.80	50.7	5.99
		135.0	59.0	7.49	57.5	7.32	56.1	6.94	55.1	6.68	53.8	6.40	50.7	5.72
		168.8	59.0	7.21	57.5	7.14	56.1	7.09	55.1	6.80	53.8	6.54	50.7	5.72
		202.5	59.0	7.07	57.5	7.05	56.1	7.16	55.1	6.87	53.8	6.61	50.7	5.72
120	-5	54.0	19.8	8.56	19.7	8.06	19.6	7.50	19.3	7.18	19.5	6.97	19.0	6.24
		67.5	20.5	8.71	20.3	8.21	20.2	7.66	20.0	7.34	20.1	7.13	19.6	6.38
		135.0	23.2	9.30	23.0	8.83	22.9	8.31	22.6	7.96	22.8	7.73	22.2	6.93
		168.8	25.6	9.89	25.4	9.44	25.3	8.96	25.0	8.59	25.2	8.34	24.5	7.47
		202.5	26.9	10.19	26.7	9.74	26.5	9.29	26.2	8.91	26.4	8.64	25.6	7.74
	0	54.0	35.4	11.70	34.6	11.35	33.8	10.98	33.2	10.52	33.2	10.23	31.6	9.14
		67.5	35.6	11.73	34.8	11.38	34.0	11.02	33.4	10.55	33.4	10.25	31.8	9.17
		135.0	36.5	11.86	35.6	11.49	34.9	11.14	34.1	10.68	34.1	10.37	32.6	9.28
		168.8	37.0	11.86	36.2	11.49	35.4	11.14	34.7	10.68	34.6	10.37	33.1	9.28
		202.5	37.3	11.86	36.5	11.49	35.7	11.14	34.9	10.68	34.9	10.37	33.4	9.28

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	54.0	51.1	12.58	50.3	12.27	49.2	11.96	48.0	11.45	46.5	11.13	44.0	9.97
		67.5	51.3	12.64	50.4	12.33	49.2	12.02	48.0	11.51	46.5	11.18	44.0	10.02
		135.0	52.0	12.86	50.8	12.55	49.2	12.26	48.0	11.75	46.5	11.41	44.0	10.21
		168.8	52.3	12.95	50.5	12.64	49.2	12.34	48.0	11.83	46.5	11.49	44.0	10.28
		202.5	52.4	12.99	50.4	12.68	49.2	12.38	48.0	11.88	46.5	11.54	44.0	10.32
	10	54.0	51.3	11.30	50.3	10.99	49.1	10.76	47.9	10.44	46.4	10.09	43.9	9.07
		67.5	51.5	11.34	50.5	11.03	49.2	10.80	48.0	10.45	46.5	10.09	44.0	9.09
		135.0	52.5	11.49	51.4	11.20	49.8	10.96	48.6	10.51	47.0	10.06	44.4	9.13
		168.8	52.8	11.45	51.2	11.20	50.0	11.00	48.8	10.55	47.2	10.10	44.6	9.44
		202.5	52.9	11.43	51.1	11.20	50.1	11.02	48.9	10.57	47.3	10.12	44.7	9.59
	15	54.0	51.4	10.02	50.4	9.73	48.9	9.57	47.8	9.43	46.3	9.05	43.7	8.21
		67.5	51.7	10.04	50.7	9.75	49.2	9.59	48.0	9.40	46.5	8.99	44.0	8.17
		135.0	52.9	10.13	51.9	9.83	50.3	9.66	49.1	9.25	47.5	8.72	44.9	8.03
		168.8	53.2	9.97	51.9	9.75	50.7	9.66	49.5	9.25	47.9	8.72	45.3	8.58
		202.5	53.4	9.89	51.9	9.71	51.0	9.66	49.7	9.25	48.1	8.72	45.5	8.86
	20	54.0	52.9	9.02	51.9	8.63	50.3	8.40	48.9	8.28	47.3	8.18	44.8	7.76
		67.5	53.2	9.02	52.2	8.66	50.6	8.44	49.2	8.31	47.6	8.17	45.0	7.73
		135.0	54.6	9.02	53.4	8.79	51.7	8.58	50.5	8.44	48.8	8.14	46.1	7.62
		168.8	54.8	8.93	53.4	8.72	52.1	8.58	50.7	8.44	49.1	8.17	46.4	7.90
		202.5	54.9	8.89	53.4	8.68	52.3	8.58	50.9	8.44	49.2	8.18	46.5	8.04
	25	54.0	55.4	8.53	53.8	8.13	52.1	7.97	51.0	7.80	49.6	7.65	46.9	7.12
		67.5	55.5	8.49	53.8	8.11	52.1	7.96	51.0	7.76	49.6	7.62	46.9	7.09
		135.0	55.6	8.37	53.8	8.06	52.1	7.90	51.0	7.62	49.6	7.49	46.9	6.94
		168.8	55.8	8.06	53.8	7.85	52.1	7.76	51.0	7.62	49.6	7.35	46.9	6.94
		202.5	55.8	7.90	53.8	7.74	52.1	7.69	51.0	7.62	49.6	7.28	46.9	6.94
	30	54.0	55.8	8.15	53.8	7.75	52.1	7.53	51.0	7.24	49.6	7.16	46.9	6.57
		67.5	55.8	8.09	53.8	7.71	52.1	7.49	51.0	7.21	49.6	7.09	46.9	6.54
		135.0	55.8	7.82	53.8	7.52	52.1	7.35	51.0	7.09	49.6	6.80	46.9	6.40
		168.8	55.8	7.56	53.8	7.35	52.1	7.21	51.0	7.09	49.6	6.80	46.9	6.27
		202.5	55.8	7.44	53.8	7.27	52.1	7.14	51.0	7.09	49.6	6.80	46.9	6.20
	35	54.0	55.8	7.79	53.8	7.36	52.1	7.16	51.0	6.87	49.6	6.60	46.9	6.02
		67.5	55.8	7.68	53.8	7.30	52.1	7.09	51.0	6.80	49.6	6.54	46.9	5.99
		135.0	55.8	7.24	53.8	7.03	52.1	6.80	51.0	6.54	49.6	6.27	46.9	5.86
		168.8	55.8	7.16	53.8	6.97	52.1	6.80	51.0	6.54	49.6	6.27	46.9	5.72
		202.5	55.8	7.11	53.8	6.94	52.1	6.80	51.0	6.54	49.6	6.27	46.9	5.65
	40	54.0	55.8	7.56	53.8	7.03	52.1	6.75	51.0	6.46	49.6	6.20	46.9	5.61
		67.5	55.8	7.41	53.8	6.94	52.1	6.68	51.0	6.40	49.6	6.13	46.9	5.58
		135.0	55.8	6.83	53.8	6.62	52.1	6.40	51.0	6.13	49.6	5.86	46.9	5.45
		168.8	55.8	6.75	53.8	6.54	52.1	6.40	51.0	6.13	49.6	5.86	46.9	5.31
		202.5	55.8	6.70	53.8	6.49	52.1	6.40	51.0	6.13	49.6	5.86	46.9	5.24
	45	54.0	55.8	7.32	53.8	6.69	52.1	6.34	51.0	6.05	49.6	5.79	46.9	5.20
		67.5	55.8	7.14	53.8	6.59	52.1	6.27	51.0	5.99	49.6	5.72	46.9	5.17
		135.0	55.8	6.42	53.8	6.21	52.1	5.99	51.0	5.72	49.6	5.45	46.9	5.04
		168.8	55.8	6.34	53.8	6.10	52.1	5.99	51.0	5.72	49.6	5.45	46.9	4.90
		202.5	55.8	6.30	53.8	6.04	52.1	5.99	51.0	5.72	49.6	5.45	46.9	4.83
110	-5	54.0	18.8	8.67	18.6	8.06	18.5	7.50	18.3	7.18	18.4	6.97	18.0	6.24
		67.5	19.4	8.82	19.3	8.21	19.2	7.66	19.0	7.34	19.0	7.13	18.6	6.38
		135.0	21.9	9.41	21.8	8.83	21.7	8.31	21.5	7.96	21.5	7.73	21.0	6.93
		168.8	24.2	10.02	24.1	9.44	24.0	8.96	23.7	8.59	23.7	8.34	23.2	7.47
		202.5	25.4	10.32	25.2	9.74	25.1	9.29	24.8	8.91	24.8	8.64	24.3	7.74
	0	54.0	33.5	11.86	32.8	11.35	32.1	10.98	31.5	10.52	31.2	10.23	30.0	9.14
		67.5	33.7	11.89	33.0	11.38	32.3	11.02	31.7	10.55	31.4	10.25	30.2	9.17
		135.0	34.5	12.00	33.8	11.49	33.0	11.14	32.4	10.68	32.1	10.37	30.9	9.28
		168.8	35.0	12.00	34.3	11.49	33.6	11.14	32.9	10.68	32.6	10.37	31.3	9.28
		202.5	35.3	12.00	34.6	11.49	33.8	11.14	33.1	10.68	32.9	10.37	31.6	9.28
	5	54.0	48.9	12.75	47.7	12.27	46.6	11.96	45.6	11.45	43.8	11.13	41.7	9.97
		67.5	49.1	12.80	47.8	12.33	46.6	12.02	45.6	11.51	43.8	11.18	41.7	10.02
		135.0	49.7	13.03	48.2	12.55	46.7	12.26	45.6	11.75	43.8	11.41	41.7	10.21
		168.8	50.0	13.11	48.3	12.64	46.7	12.34	45.6	11.83	43.8	11.49	41.7	10.28
		202.5	50.2	13.16	48.4	12.68	46.7	12.38	45.6	11.88	43.8	11.54	41.7	10.32
	10	54.0	49.1	11.43	47.9	11.04	46.6	10.80	45.5	10.44	43.7	10.09	41.6	9.07
		67.5	49.3	11.45	48.0	11.07	46.6	10.83	45.6	10.45	43.8	10.09	41.7	9.09
		135.0	50.0	11.54	48.5	11.20	46.9	10.96	45.9	10.51	44.1	10.06	41.9	9.13
		168.8	50.3	11.54	48.7	11.20	47.1	10.93	45.9	10.48	44.2	10.10	42.0	9.23
		202.5	50.4	11.54	48.8	11.20	47.2	10.92	46.0	10.47	44.2	10.12	42.1	9.28

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	54.0	49.2	10.11	47.9	9.83	46.5	9.66	45.4	9.43	43.7	9.05	41.6	8.21
		67.5	49.4	10.10	48.1	9.83	46.7	9.66	45.6	9.40	43.8	8.99	41.7	8.17
		135.0	50.3	10.04	48.8	9.83	47.2	9.66	46.1	9.25	44.4	8.72	42.1	8.03
		168.8	50.5	9.97	49.1	9.75	47.5	9.54	46.3	9.13	44.5	8.72	42.3	8.17
		202.5	50.7	9.94	49.2	9.71	47.6	9.47	46.4	9.06	44.6	8.72	42.5	8.24
	20	54.0	50.1	8.73	48.8	8.52	47.2	8.31	45.9	8.17	44.3	7.94	41.9	7.42
		67.5	50.4	8.75	48.9	8.52	47.3	8.31	46.1	8.17	44.4	7.90	42.1	7.41
		135.0	51.5	8.82	49.6	8.52	47.9	8.31	46.8	8.17	44.9	7.76	42.7	7.35
		168.8	51.8	8.82	50.0	8.52	48.2	8.31	46.9	8.03	45.2	7.76	42.9	7.35
		202.5	51.9	8.82	50.2	8.52	48.3	8.31	47.0	7.96	45.3	7.76	42.9	7.35
	25	54.0	51.7	7.94	50.2	7.65	48.2	7.53	47.1	7.24	45.5	6.98	43.0	6.40
		67.5	51.8	7.93	50.2	7.62	48.2	7.49	47.1	7.21	45.5	6.94	43.0	6.40
		135.0	52.2	7.87	50.2	7.49	48.2	7.35	47.1	7.09	45.5	6.80	43.0	6.40
		168.8	52.5	7.87	50.2	7.52	48.2	7.21	47.1	7.09	45.5	6.68	43.0	6.27
		202.5	52.6	7.87	50.2	7.54	48.2	7.14	47.1	7.09	45.5	6.61	43.0	6.20
	30	54.0	52.5	7.24	50.2	6.98	48.2	6.71	47.1	6.57	45.5	6.16	43.0	5.75
		67.5	52.5	7.21	50.2	6.94	48.2	6.68	47.1	6.54	45.5	6.13	43.0	5.72
		135.0	52.5	7.09	50.2	6.80	48.2	6.54	47.1	6.40	45.5	5.99	43.0	5.58
		168.8	52.5	7.03	50.2	6.68	48.2	6.40	47.1	6.27	45.5	5.99	43.0	5.58
		202.5	52.5	7.00	50.2	6.61	48.2	6.32	47.1	6.20	45.5	5.99	43.0	5.58
	35	54.0	52.5	6.87	50.2	6.43	48.2	6.16	47.1	5.90	45.5	5.61	43.0	5.20
		67.5	52.5	6.80	50.2	6.40	48.2	6.13	47.1	5.86	45.5	5.58	43.0	5.17
		135.0	52.5	6.54	50.2	6.27	48.2	5.99	47.1	5.72	45.5	5.45	43.0	5.04
		168.8	52.5	6.37	50.2	6.13	48.2	5.86	47.1	5.72	45.5	5.45	43.0	5.04
		202.5	52.5	6.28	50.2	6.06	48.2	5.80	47.1	5.72	45.5	5.45	43.0	5.04
	40	54.0	52.5	6.46	50.2	6.20	48.2	5.79	47.1	5.49	45.5	5.20	43.0	4.79
		67.5	52.5	6.40	50.2	6.13	48.2	5.72	47.1	5.45	45.5	5.17	43.0	4.76
		135.0	52.5	6.13	50.2	5.86	48.2	5.45	47.1	5.31	45.5	5.04	43.0	4.63
		168.8	52.5	6.04	50.2	5.72	48.2	5.45	47.1	5.17	45.5	4.90	43.0	4.49
		202.5	52.5	6.00	50.2	5.65	48.2	5.45	47.1	5.10	45.5	4.83	43.0	4.42
	45	54.0	52.5	6.05	50.2	5.96	48.2	5.41	47.1	5.08	45.5	4.79	43.0	4.38
		67.5	52.5	5.99	50.2	5.86	48.2	5.31	47.1	5.04	45.5	4.76	43.0	4.35
		135.0	52.5	5.72	50.2	5.45	48.2	4.90	47.1	4.90	45.5	4.63	43.0	4.23
		168.8	52.5	5.72	50.2	5.31	48.2	5.04	47.1	4.63	45.5	4.35	43.0	3.94
		202.5	52.5	5.72	50.2	5.24	48.2	5.11	47.1	4.50	45.5	4.21	43.0	3.80
100	-5	54.0	17.7	8.67	17.6	8.17	17.5	7.50	17.4	7.18	17.2	6.86	16.9	6.24
		67.5	18.3	8.82	18.2	8.32	18.1	7.66	18.0	7.34	17.8	7.01	17.5	6.38
		135.0	20.8	9.41	20.6	8.94	20.5	8.31	20.3	7.96	20.1	7.62	19.8	6.93
		168.8	22.9	10.02	22.8	9.56	22.6	8.96	22.4	8.59	22.3	8.21	21.9	7.47
		202.5	24.0	10.32	23.8	9.88	23.7	9.29	23.5	8.91	23.4	8.51	22.9	7.74
	0	54.0	31.7	11.86	31.0	11.51	30.3	10.98	29.8	10.52	29.3	10.07	28.3	9.14
		67.5	31.9	11.89	31.2	11.54	30.5	11.02	30.0	10.55	29.5	10.10	28.4	9.17
		135.0	32.6	12.00	31.9	11.65	31.2	11.14	30.7	10.68	30.2	10.21	29.1	9.28
		168.8	33.1	12.00	32.4	11.65	31.7	11.14	31.1	10.68	30.6	10.21	29.5	9.28
		202.5	33.4	12.00	32.7	11.65	32.0	11.14	31.4	10.68	30.8	10.21	29.8	9.28
	5	54.0	46.8	12.75	45.2	12.44	44.0	11.96	43.2	11.45	41.1	10.96	39.2	9.97
		67.5	46.9	12.80	45.3	12.49	44.1	12.02	43.2	11.51	41.1	11.02	39.2	10.02
		135.0	47.6	13.03	45.6	12.72	44.1	12.26	43.2	11.75	41.1	11.24	39.2	10.21
		168.8	47.9	13.11	45.7	12.80	44.1	12.34	43.2	11.83	41.1	11.31	39.2	10.28
		202.5	48.0	13.16	45.8	12.85	44.1	12.38	43.2	11.88	41.1	11.35	39.2	10.32
	10	54.0	47.0	11.40	45.4	11.15	44.1	10.80	43.2	10.44	41.1	9.92	39.2	9.07
		67.5	47.1	11.45	45.4	11.18	44.1	10.83	43.2	10.45	41.1	9.93	39.2	9.09
		135.0	47.6	11.66	45.7	11.33	44.1	10.96	43.2	10.51	41.1	9.97	39.2	9.13
		168.8	47.9	11.62	45.9	11.33	44.1	10.93	43.2	10.48	41.1	9.94	39.2	9.09
		202.5	48.1	11.60	46.0	11.33	44.1	10.92	43.2	10.47	41.1	9.93	39.2	9.06
	15	54.0	47.3	10.05	45.5	9.88	44.1	9.66	43.2	9.43	41.1	8.88	39.2	8.21
		67.5	47.3	10.10	45.6	9.89	44.1	9.66	43.2	9.40	41.1	8.85	39.2	8.17
		135.0	47.6	10.30	45.7	9.92	44.1	9.66	43.2	9.25	41.1	8.72	39.2	8.03
		168.8	48.0	10.13	45.9	9.83	44.1	9.54	43.2	9.13	41.1	8.58	39.2	7.90
		202.5	48.2	10.04	46.1	9.79	44.1	9.47	43.2	9.06	41.1	8.51	39.2	7.84
	20	54.0	47.5	8.60	45.8	8.37	44.1	8.17	43.2	8.06	41.1	7.53	39.2	7.16
		67.5	47.7	8.63	45.8	8.38	44.1	8.17	43.2	8.03	41.1	7.49	39.2	7.09
		135.0	48.4	8.79	45.9	8.41	44.1	8.17	43.2	7.90	41.1	7.35	39.2	6.80
		168.8	48.7	8.63	46.4	8.34	44.1	8.03	43.2	7.76	41.1	7.21	39.2	6.68
		202.5	48.8	8.56	46.6	8.30	44.1	7.96	43.2	7.69	41.1	7.14	39.2	6.61

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	54.0	48.1	7.51	46.5	7.28	44.1	6.98	43.2	6.71	41.1	6.30	39.2	5.72
		67.5	48.3	7.52	46.5	7.24	44.1	6.94	43.2	6.68	41.1	6.27	39.2	5.72
		135.0	49.0	7.55	46.5	7.09	44.1	6.80	43.2	6.54	41.1	6.13	39.2	5.72
		168.8	49.2	7.38	46.5	7.03	44.1	6.68	43.2	6.40	41.1	6.13	39.2	5.58
		202.5	49.4	7.30	46.5	7.00	44.1	6.61	43.2	6.32	41.1	6.13	39.2	5.51
	30	54.0	49.2	6.84	46.5	6.30	44.1	5.87	43.2	5.75	41.1	5.31	39.2	5.08
		67.5	49.2	6.80	46.5	6.27	44.1	5.86	43.2	5.72	41.1	5.31	39.2	5.04
		135.0	49.2	6.68	46.5	6.13	44.1	5.80	43.2	5.58	41.1	5.31	39.2	4.90
		168.8	49.2	6.54	46.5	6.13	44.1	5.72	43.2	5.58	41.1	5.17	39.2	4.90
		202.5	49.2	6.47	46.5	6.13	44.1	5.68	43.2	5.58	41.1	5.10	39.2	4.90
	35	54.0	49.2	6.34	46.5	5.79	44.1	5.18	43.2	5.08	41.1	4.79	39.2	4.38
		67.5	49.2	6.27	46.5	5.72	44.1	5.17	43.2	5.04	41.1	4.76	39.2	4.35
		135.0	49.2	5.99	46.5	5.45	44.1	5.11	43.2	4.90	41.1	4.63	39.2	4.23
		168.8	49.2	5.99	46.5	5.45	44.1	5.04	43.2	4.90	41.1	4.63	39.2	4.23
		202.5	49.2	5.99	46.5	5.45	44.1	5.01	43.2	4.90	41.1	4.63	39.2	4.23
	40	54.0	49.2	5.93	46.5	5.38	44.1	4.65	43.2	4.53	41.1	4.26	39.2	3.98
		67.5	49.2	5.86	46.5	5.31	44.1	4.63	43.2	4.49	41.1	4.23	39.2	3.94
		135.0	49.2	5.58	46.5	5.04	44.1	4.58	43.2	4.35	41.1	4.09	39.2	3.82
		168.8	49.2	5.45	46.5	5.04	44.1	4.49	43.2	4.35	41.1	4.09	39.2	3.82
		202.5	49.2	5.39	46.5	5.04	44.1	4.45	43.2	4.35	41.1	4.09	39.2	3.82
	45	54.0	49.2	5.52	46.5	4.97	44.1	4.10	43.2	3.98	41.1	3.71	39.2	3.57
		67.5	49.2	5.45	46.5	4.90	44.1	4.09	43.2	3.94	41.1	3.68	39.2	3.54
		135.0	49.2	5.17	46.5	4.63	44.1	4.03	43.2	3.82	41.1	3.54	39.2	3.41
		168.8	49.2	4.90	46.5	4.63	44.1	3.94	43.2	3.82	41.1	3.54	39.2	3.41
		202.5	49.2	4.77	46.5	4.63	44.1	3.90	43.2	3.82	41.1	3.54	39.2	3.41
90	-5	54.0	16.7	8.05	16.2	7.33	15.7	6.44	15.6	6.13	15.5	5.91	15.2	5.31
		67.5	17.3	8.18	16.8	7.47	16.3	6.58	16.2	6.27	16.0	6.04	15.8	5.42
		135.0	19.6	8.73	19.0	8.02	18.4	7.14	18.3	6.80	18.2	6.56	17.8	5.89
		168.8	21.7	9.28	21.0	8.58	20.3	7.71	20.2	7.34	20.1	7.07	19.7	6.35
		202.5	22.7	9.56	22.0	8.86	21.3	7.99	21.1	7.61	21.0	7.33	20.6	6.59
	0	54.0	29.9	10.96	28.6	10.28	27.2	9.44	26.8	9.00	26.4	8.67	25.4	7.78
		67.5	30.1	10.99	28.7	10.31	27.4	9.47	27.0	9.03	26.5	8.69	25.6	7.80
		135.0	30.8	11.10	29.4	10.42	28.1	9.56	27.6	9.13	27.2	8.79	26.2	7.89
		168.8	31.3	11.10	29.8	10.42	28.5	9.56	28.0	9.13	27.6	8.79	26.6	7.89
		202.5	31.5	11.10	30.1	10.42	28.7	9.56	28.2	9.13	27.8	8.79	26.8	7.89
	5	54.0	42.3	11.76	40.9	11.10	39.6	10.28	38.8	9.80	37.1	9.43	35.3	8.47
		67.5	42.3	11.82	40.9	11.16	39.6	10.33	38.8	9.85	37.1	9.48	35.3	8.51
		135.0	42.5	12.03	40.8	11.37	39.6	10.52	38.8	10.04	37.1	9.68	35.3	8.68
		168.8	42.7	12.10	40.9	11.44	39.6	10.61	38.8	10.11	37.1	9.75	35.3	8.75
		202.5	42.9	12.14	41.0	11.47	39.6	10.65	38.8	10.15	37.1	9.78	35.3	8.78
	10	54.0	42.5	10.39	41.1	9.88	39.6	9.30	38.8	8.92	37.1	8.56	35.3	7.71
		67.5	42.5	10.40	41.0	9.89	39.6	9.31	38.8	8.93	37.1	8.55	35.3	7.72
		135.0	42.4	10.42	40.8	9.93	39.6	9.35	38.8	8.97	37.1	8.52	35.3	7.75
		168.8	42.7	10.40	40.9	9.90	39.6	9.33	38.8	8.94	37.1	8.55	35.3	7.78
		202.5	42.8	10.38	41.0	9.89	39.6	9.31	38.8	8.93	37.1	8.56	35.3	7.79
	15	54.0	42.7	8.99	41.2	8.67	39.6	8.35	38.8	8.06	37.1	7.69	35.3	6.98
		67.5	42.7	8.96	41.1	8.63	39.6	8.31	38.8	8.03	37.1	7.62	35.3	6.94
		135.0	42.4	8.82	40.9	8.49	39.6	8.17	38.8	7.90	37.1	7.35	35.3	6.80
		168.8	42.7	8.69	41.0	8.37	39.6	8.03	38.8	7.76	37.1	7.35	35.3	6.80
		202.5	42.8	8.63	41.0	8.30	39.6	7.96	38.8	7.69	37.1	7.35	35.3	6.80
	20	54.0	43.0	7.59	41.4	7.37	39.6	7.12	38.8	6.84	37.1	6.60	35.3	6.20
		67.5	43.0	7.59	41.3	7.35	39.6	7.09	38.8	6.80	37.1	6.54	35.3	6.13
		135.0	42.8	7.59	41.0	7.27	39.6	6.94	38.8	6.68	37.1	6.27	35.3	5.86
		168.8	42.9	7.47	41.1	7.21	39.6	6.94	38.8	6.68	37.1	6.27	35.3	5.86
		202.5	43.0	7.40	41.2	7.18	39.6	6.94	38.8	6.68	37.1	6.27	35.3	5.86
	25	54.0	43.7	6.63	41.9	6.28	39.6	6.02	38.8	5.72	37.1	5.49	35.3	5.08
		67.5	43.8	6.62	41.9	6.27	39.6	5.99	38.8	5.72	37.1	5.45	35.3	5.04
		135.0	44.2	6.56	41.9	6.21	39.6	5.86	38.8	5.72	37.1	5.31	35.3	4.90
		168.8	44.4	6.40	41.9	6.07	39.6	5.86	38.8	5.58	37.1	5.31	35.3	4.90
		202.5	44.5	6.31	41.9	6.00	39.6	5.86	38.8	5.51	37.1	5.31	35.3	4.90
	30	54.0	44.4	6.02	41.9	5.61	39.6	5.20	38.8	5.08	37.1	4.79	35.3	4.35
		67.5	44.4	5.99	41.9	5.58	39.6	5.17	38.8	5.04	37.1	4.76	35.3	4.35
		135.0	44.4	5.86	41.9	5.45	39.6	5.04	38.8	4.90	37.1	4.63	35.3	4.35
		168.8	44.4	5.72	41.9	5.31	39.6	5.04	38.8	4.90	37.1	4.63	35.3	4.23
		202.5	44.4	5.65	41.9	5.24	39.6	5.04	38.8	4.90	37.1	4.63	35.3	4.16

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	54.0	44.4	5.49	41.9	5.08	39.6	4.67	38.8	4.53	37.1	4.26	35.3	3.98
		67.5	44.4	5.45	41.9	5.04	39.6	4.63	38.8	4.49	37.1	4.23	35.3	3.94
		135.0	44.4	5.31	41.9	4.90	39.6	4.49	38.8	4.35	37.1	4.09	35.3	3.82
		168.8	44.4	5.17	41.9	4.76	39.6	4.35	38.8	4.23	37.1	4.09	35.3	3.82
		202.5	44.4	5.10	41.9	4.69	39.6	4.28	38.8	4.16	37.1	4.09	35.3	3.82
	40	54.0	44.4	5.11	41.9	4.67	39.6	4.12	38.8	3.98	37.1	3.85	35.3	3.57
		67.5	44.4	5.04	41.9	4.63	39.6	4.09	38.8	3.94	37.1	3.82	35.3	3.54
		135.0	44.4	4.76	41.9	4.49	39.6	3.94	38.8	3.82	37.1	3.68	35.3	3.41
		168.8	44.4	4.76	41.9	4.49	39.6	3.94	38.8	3.82	37.1	3.68	35.3	3.41
		202.5	44.4	4.76	41.9	4.49	39.6	3.94	38.8	3.82	37.1	3.68	35.3	3.41
	45	54.0	44.4	4.74	41.9	4.26	39.6	3.57	38.8	3.44	37.1	3.44	35.3	3.16
		67.5	44.4	4.63	41.9	4.23	39.6	3.54	38.8	3.41	37.1	3.41	35.3	3.13
		135.0	44.4	4.23	41.9	4.09	39.6	3.41	38.8	3.27	37.1	3.27	35.3	3.00
		168.8	44.4	4.35	41.9	4.23	39.6	3.54	38.8	3.41	37.1	3.27	35.3	3.00
		202.5	44.4	4.42	41.9	4.30	39.6	3.60	38.8	3.48	37.1	3.27	35.3	3.00
80	-5	54.0	15.8	5.73	14.8	5.51	14.0	5.28	13.9	5.10	13.8	4.87	13.5	4.48
		67.5	16.4	5.86	15.3	5.63	14.5	5.40	14.4	5.21	14.3	4.97	14.0	4.58
		135.0	18.5	6.37	17.4	6.11	16.4	5.85	16.2	5.65	16.2	5.40	15.8	4.96
		168.8	20.5	6.86	19.2	6.59	18.1	6.31	17.9	6.10	17.8	5.82	17.5	5.35
		202.5	21.5	7.11	20.1	6.83	19.0	6.54	18.8	6.33	18.7	6.03	18.3	5.55
	0	54.0	28.3	8.41	26.1	8.07	24.3	7.74	23.8	7.47	23.5	7.12	22.6	6.56
		67.5	28.4	8.44	26.2	8.10	24.4	7.76	24.0	7.49	23.6	7.14	22.7	6.58
		135.0	29.1	8.54	26.8	8.20	25.0	7.85	24.5	7.58	24.2	7.23	23.3	6.65
		168.8	29.5	8.54	27.2	8.20	25.4	7.85	24.9	7.58	24.6	7.23	23.6	6.65
		202.5	29.7	8.54	27.4	8.20	25.6	7.85	25.1	7.58	24.8	7.23	23.8	6.65
	5	54.0	39.1	9.15	36.9	8.80	35.3	8.41	34.5	8.13	33.0	7.75	31.4	7.13
		67.5	39.2	9.20	37.0	8.85	35.3	8.45	34.5	8.17	33.0	7.79	31.4	7.17
		135.0	39.5	9.40	37.2	9.02	35.3	8.63	34.5	8.34	33.0	7.94	31.4	7.32
		168.8	39.5	9.45	37.2	9.09	35.3	8.69	34.5	8.40	33.0	8.00	31.4	7.37
		202.5	39.5	9.48	37.2	9.12	35.3	8.72	34.5	8.42	33.0	8.03	31.4	7.39
	10	54.0	39.3	8.42	37.0	8.04	35.3	7.63	34.5	7.42	33.0	7.03	31.4	6.50
		67.5	39.3	8.41	37.1	8.03	35.3	7.63	34.5	7.42	33.0	7.03	31.4	6.51
		135.0	39.5	8.37	37.2	7.99	35.3	7.65	34.5	7.44	33.0	7.04	31.4	6.52
		168.8	39.5	8.34	37.2	8.02	35.3	7.68	34.5	7.40	33.0	7.00	31.4	6.48
		202.5	39.5	8.32	37.2	8.03	35.3	7.69	34.5	7.37	33.0	6.98	31.4	6.46
	15	54.0	39.5	7.69	37.2	7.28	35.3	6.84	34.5	6.71	33.0	6.30	31.4	5.90
		67.5	39.5	7.62	37.2	7.21	35.3	6.80	34.5	6.68	33.0	6.27	31.4	5.86
		135.0	39.5	7.35	37.2	6.94	35.3	6.68	34.5	6.54	33.0	6.13	31.4	5.72
		168.8	39.5	7.21	37.2	6.94	35.3	6.68	34.5	6.40	33.0	5.99	31.4	5.58
		202.5	39.5	7.14	37.2	6.94	35.3	6.68	34.5	6.32	33.0	5.92	31.4	5.51
	20	54.0	39.5	6.43	37.2	6.16	35.3	5.86	34.5	5.75	33.0	5.49	31.4	5.08
		67.5	39.5	6.40	37.2	6.13	35.3	5.86	34.5	5.72	33.0	5.45	31.4	5.04
		135.0	39.5	6.27	37.2	5.99	35.3	5.86	34.5	5.58	33.0	5.31	31.4	4.90
		168.8	39.5	6.13	37.2	5.86	35.3	5.72	34.5	5.58	33.0	5.17	31.4	4.90
		202.5	39.5	6.06	37.2	5.80	35.3	5.65	34.5	5.58	33.0	5.10	31.4	4.90
	25	54.0	39.5	5.75	37.2	5.35	35.3	5.04	34.5	4.94	33.0	4.67	31.4	4.38
		67.5	39.5	5.72	37.2	5.31	35.3	5.04	34.5	4.90	33.0	4.63	31.4	4.35
		135.0	39.5	5.58	37.2	5.17	35.3	5.04	34.5	4.76	33.0	4.49	31.4	4.23
		168.8	39.5	5.45	37.2	5.17	35.3	4.90	34.5	4.76	33.0	4.49	31.4	4.23
		202.5	39.5	5.39	37.2	5.17	35.3	4.83	34.5	4.76	33.0	4.49	31.4	4.23
	30	54.0	39.5	5.08	37.2	4.79	35.3	4.53	34.5	4.38	33.0	4.12	31.4	3.85
		67.5	39.5	5.04	37.2	4.76	35.3	4.49	34.5	4.35	33.0	4.09	31.4	3.82
		135.0	39.5	4.90	37.2	4.63	35.3	4.35	34.5	4.23	33.0	3.94	31.4	3.68
		168.8	39.5	4.90	37.2	4.63	35.3	4.35	34.5	4.23	33.0	3.94	31.4	3.68
		202.5	39.5	4.90	37.2	4.63	35.3	4.35	34.5	4.23	33.0	3.94	31.4	3.68
	35	54.0	39.5	4.67	37.2	4.38	35.3	3.98	34.5	3.82	33.0	3.71	31.4	3.41
		67.5	39.5	4.63	37.2	4.35	35.3	3.94	34.5	3.82	33.0	3.68	31.4	3.41
		135.0	39.5	4.49	37.2	4.23	35.3	3.82	34.5	3.82	33.0	3.54	31.4	3.41
		168.8	39.5	4.49	37.2	4.09	35.3	3.82	34.5	3.68	33.0	3.54	31.4	3.27
		202.5	39.5	4.49	37.2	4.01	35.3	3.82	34.5	3.61	33.0	3.54	31.4	3.20
	40	54.0	39.5	4.42	37.2	3.98	35.3	3.54	34.5	3.57	33.0	3.27	31.4	3.16
		67.5	39.5	4.35	37.2	3.94	35.3	3.54	34.5	3.54	33.0	3.27	31.4	3.13
		135.0	39.5	4.09	37.2	3.82	35.3	3.54	34.5	3.41	33.0	3.27	31.4	3.00
		168.8	39.5	4.09	37.2	3.82	35.3	3.41	34.5	3.41	33.0	3.27	31.4	3.00
		202.5	39.5	4.09	37.2	3.82	35.3	3.34	34.5	3.41	33.0	3.27	31.4	3.00

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	54.0	39.5	4.19	37.2	3.57	35.3	3.09	34.5	3.34	33.0	2.82	31.4	2.93
		67.5	39.5	4.09	37.2	3.54	35.3	3.13	34.5	3.27	33.0	2.86	31.4	2.86
		135.0	39.5	3.68	37.2	3.41	35.3	3.27	34.5	3.00	33.0	3.00	31.4	2.59
		168.8	39.5	3.68	37.2	3.54	35.3	3.00	34.5	3.13	33.0	3.00	31.4	2.72
		202.5	39.5	3.68	37.2	3.60	35.3	2.87	34.5	3.19	33.0	3.00	31.4	2.78
70	-5	54.0	13.8	4.92	13.0	4.69	12.3	4.53	12.1	4.27	12.1	4.12	11.9	3.75
		67.5	14.3	5.03	13.4	4.79	12.7	4.63	12.6	4.37	12.5	4.21	12.3	3.83
		135.0	16.2	5.45	15.2	5.20	14.3	5.03	14.2	4.73	14.1	4.56	13.9	4.16
		168.8	17.9	5.89	16.8	5.61	15.8	5.42	15.7	5.10	15.6	4.93	15.3	4.48
		202.5	18.8	6.11	17.6	5.81	16.6	5.62	16.5	5.28	16.3	5.11	16.0	4.64
	0	54.0	24.7	7.20	22.8	6.87	21.2	6.64	20.8	6.25	20.5	6.04	19.8	5.49
		67.5	24.9	7.23	23.0	6.89	21.3	6.66	21.0	6.27	20.6	6.06	19.9	5.51
		135.0	25.4	7.31	23.5	6.96	21.8	6.75	21.5	6.34	21.1	6.13	20.3	5.56
		168.8	25.8	7.31	23.9	6.96	22.2	6.75	21.8	6.34	21.5	6.13	20.7	5.56
		202.5	26.0	7.31	24.1	6.96	22.3	6.75	21.9	6.34	21.6	6.13	20.8	5.56
	5	54.0	34.1	7.85	32.3	7.47	30.8	7.23	30.2	6.81	28.8	6.57	27.4	5.97
		67.5	34.2	7.89	32.4	7.51	30.8	7.27	30.2	6.85	28.8	6.61	27.4	6.00
		135.0	34.5	8.04	32.7	7.66	30.8	7.42	30.2	6.97	28.8	6.75	27.4	6.13
		168.8	34.5	8.10	32.6	7.72	30.8	7.48	30.2	7.03	28.8	6.79	27.4	6.17
		202.5	34.5	8.13	32.6	7.75	30.8	7.51	30.2	7.06	28.8	6.81	27.4	6.19
	10	54.0	34.3	7.23	32.5	6.83	30.8	6.58	30.2	6.21	28.8	5.96	27.4	5.45
		67.5	34.3	7.21	32.5	6.82	30.8	6.56	30.2	6.21	28.8	5.96	27.4	5.45
		135.0	34.5	7.16	32.6	6.76	30.8	6.51	30.2	6.21	28.8	5.96	27.4	5.45
		168.8	34.5	7.18	32.6	6.79	30.8	6.54	30.2	6.24	28.8	5.92	27.4	5.47
		202.5	34.5	7.20	32.6	6.80	30.8	6.55	30.2	6.25	28.8	5.89	27.4	5.47
	15	54.0	34.5	6.60	32.6	6.20	30.8	5.93	30.2	5.61	28.8	5.35	27.4	4.94
		67.5	34.5	6.54	32.6	6.13	30.8	5.86	30.2	5.58	28.8	5.31	27.4	4.90
		135.0	34.5	6.27	32.6	5.86	30.8	5.58	30.2	5.45	28.8	5.17	27.4	4.76
		168.8	34.5	6.27	32.6	5.86	30.8	5.58	30.2	5.45	28.8	5.04	27.4	4.76
		202.5	34.5	6.27	32.6	5.86	30.8	5.58	30.2	5.45	28.8	4.98	27.4	4.76
	20	54.0	34.5	5.49	32.6	5.20	30.8	5.08	30.2	4.94	28.8	4.67	27.4	4.38
		67.5	34.5	5.45	32.6	5.17	30.8	5.04	30.2	4.90	28.8	4.63	27.4	4.35
		135.0	34.5	5.31	32.6	5.04	30.8	4.90	30.2	4.76	28.8	4.49	27.4	4.23
		168.8	34.5	5.31	32.6	5.04	30.8	4.90	30.2	4.63	28.8	4.49	27.4	4.09
		202.5	34.5	5.31	32.6	5.04	30.8	4.90	30.2	4.57	28.8	4.49	27.4	4.01
	25	54.0	34.5	4.94	32.6	4.67	30.8	4.38	30.2	4.26	28.8	3.94	27.4	3.68
		67.5	34.5	4.90	32.6	4.63	30.8	4.35	30.2	4.23	28.8	3.94	27.4	3.68
		135.0	34.5	4.76	32.6	4.49	30.8	4.23	30.2	4.09	28.8	3.94	27.4	3.68
		168.8	34.5	4.63	32.6	4.35	30.8	4.23	30.2	4.09	28.8	3.82	27.4	3.68
		202.5	34.5	4.57	32.6	4.28	30.8	4.23	30.2	4.09	28.8	3.75	27.4	3.68
	30	54.0	34.5	4.38	32.6	4.12	30.8	3.85	30.2	3.68	28.8	3.57	27.4	3.27
		67.5	34.5	4.35	32.6	4.09	30.8	3.82	30.2	3.68	28.8	3.54	27.4	3.27
		135.0	34.5	4.23	32.6	3.94	30.8	3.68	30.2	3.68	28.8	3.41	27.4	3.27
		168.8	34.5	4.23	32.6	3.94	30.8	3.68	30.2	3.54	28.8	3.41	27.4	3.27
		202.5	34.5	4.23	32.6	3.94	30.8	3.68	30.2	3.46	28.8	3.41	27.4	3.27
	35	54.0	34.5	3.98	32.6	3.71	30.8	3.41	30.2	3.44	28.8	3.13	27.4	3.04
		67.5	34.5	3.94	32.6	3.68	30.8	3.41	30.2	3.41	28.8	3.13	27.4	3.00
		135.0	34.5	3.82	32.6	3.54	30.8	3.41	30.2	3.27	28.8	3.13	27.4	2.86
		168.8	34.5	3.82	32.6	3.54	30.8	3.27	30.2	3.27	28.8	3.13	27.4	2.86
		202.5	34.5	3.82	32.6	3.54	30.8	3.20	30.2	3.27	28.8	3.13	27.4	2.86
	40	54.0	34.5	3.71	32.6	3.44	30.8	3.16	30.2	3.00	28.8	2.86	27.4	2.75
		67.5	34.5	3.68	32.6	3.41	30.8	3.13	30.2	3.00	28.8	2.86	27.4	2.72
		135.0	34.5	3.54	32.6	3.27	30.8	3.00	30.2	3.00	28.8	2.86	27.4	2.59
		168.8	34.5	3.54	32.6	3.27	30.8	3.00	30.2	2.86	28.8	2.72	27.4	2.59
		202.5	34.5	3.54	32.6	3.27	30.8	3.00	30.2	2.79	28.8	2.65	27.4	2.59
	45	54.0	34.5	3.44	32.6	3.16	30.8	2.93	30.2	2.56	28.8	2.59	27.4	2.49
		67.5	34.5	3.41	32.6	3.13	30.8	2.86	30.2	2.59	28.8	2.59	27.4	2.45
		135.0	34.5	3.27	32.6	3.00	30.8	2.59	30.2	2.72	28.8	2.59	27.4	2.31
		168.8	34.5	3.27	32.6	3.00	30.8	2.72	30.2	2.45	28.8	2.31	27.4	2.31
		202.5	34.5	3.27	32.6	3.00	30.8	2.78	30.2	2.32	28.8	2.17	27.4	2.31
60	-5	54.0	11.9	4.00	11.1	3.84	10.5	3.69	10.4	3.43	10.3	3.38	10.1	3.02
		67.5	12.3	4.09	11.5	3.93	10.9	3.78	10.7	3.51	10.7	3.45	10.5	3.08
		135.0	13.9	4.44	13.0	4.27	12.3	4.10	12.2	3.80	12.1	3.75	11.9	3.35
		168.8	15.3	4.78	14.4	4.61	13.6	4.42	13.5	4.11	13.4	4.04	13.1	3.61
		202.5	16.1	4.95	15.0	4.78	14.3	4.59	14.1	4.27	14.1	4.19	13.7	3.73

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	54.0	21.2	5.86	19.5	5.65	18.2	5.41	17.9	5.03	17.6	4.96	17.0	4.43
		67.5	21.3	5.87	19.7	5.66	18.3	5.42	18.0	5.04	17.7	4.97	17.1	4.44
		135.0	21.8	5.94	20.1	5.72	18.8	5.49	18.4	5.10	18.1	5.03	17.4	4.48
		168.8	22.2	5.94	20.4	5.72	19.1	5.49	18.7	5.10	18.4	5.03	17.7	4.48
		202.5	22.3	5.94	20.6	5.72	19.2	5.49	18.8	5.10	18.6	5.03	17.9	4.48
	5	54.0	29.3	6.38	27.6	6.14	26.5	5.88	25.8	5.48	24.7	5.39	23.5	4.81
		67.5	29.4	6.41	27.7	6.17	26.5	5.92	25.8	5.51	24.7	5.42	23.5	4.83
		135.0	29.6	6.54	27.9	6.30	26.5	6.04	25.8	5.62	24.7	5.54	23.5	4.93
		168.8	29.6	6.59	27.9	6.34	26.5	6.09	25.8	5.66	24.7	5.56	23.5	4.97
		202.5	29.6	6.62	27.8	6.36	26.5	6.11	25.8	5.68	24.7	5.58	23.5	4.99
	10	54.0	29.5	5.86	27.7	5.61	26.5	5.34	25.8	4.99	24.7	4.89	23.5	4.38
		67.5	29.5	5.86	27.8	5.61	26.5	5.34	25.8	5.00	24.7	4.89	23.5	4.39
		135.0	29.6	5.86	27.9	5.61	26.5	5.34	25.8	5.06	24.7	4.87	23.5	4.44
		168.8	29.6	5.87	27.9	5.55	26.5	5.28	25.8	5.00	24.7	4.83	23.5	4.39
		202.5	29.6	5.88	27.8	5.52	26.5	5.25	25.8	4.97	24.7	4.81	23.5	4.37
	15	54.0	29.6	5.35	27.9	5.08	26.5	4.79	25.8	4.49	24.7	4.38	23.5	3.94
		67.5	29.6	5.31	27.9	5.04	26.5	4.76	25.8	4.49	24.7	4.35	23.5	3.94
		135.0	29.6	5.17	27.9	4.90	26.5	4.63	25.8	4.49	24.7	4.23	23.5	3.94
		168.8	29.6	5.17	27.9	4.76	26.5	4.49	25.8	4.35	24.7	4.09	23.5	3.82
		202.5	29.6	5.17	27.9	4.69	26.5	4.42	25.8	4.28	24.7	4.01	23.5	3.75
	20	54.0	29.6	4.67	27.9	4.38	26.5	4.12	25.8	3.98	24.7	3.85	23.5	3.57
		67.5	29.6	4.63	27.9	4.35	26.5	4.09	25.8	3.94	24.7	3.82	23.5	3.54
		135.0	29.6	4.49	27.9	4.23	26.5	3.94	25.8	3.82	24.7	3.68	23.5	3.41
		168.8	29.6	4.49	27.9	4.23	26.5	3.94	25.8	3.82	24.7	3.68	23.5	3.41
		202.5	29.6	4.49	27.9	4.23	26.5	3.94	25.8	3.82	24.7	3.68	23.5	3.41
	25	54.0	29.6	4.12	27.9	3.85	26.5	3.54	25.8	3.57	24.7	3.27	23.5	3.16
		67.5	29.6	4.09	27.9	3.82	26.5	3.54	25.8	3.54	24.7	3.27	23.5	3.13
		135.0	29.6	3.94	27.9	3.68	26.5	3.54	25.8	3.41	24.7	3.27	23.5	3.00
		168.8	29.6	3.94	27.9	3.68	26.5	3.41	25.8	3.41	24.7	3.27	23.5	3.00
		202.5	29.6	3.94	27.9	3.68	26.5	3.34	25.8	3.41	24.7	3.27	23.5	3.00
	30	54.0	29.6	3.71	27.9	3.44	26.5	3.30	25.8	3.16	24.7	3.04	23.5	2.90
		67.5	29.6	3.68	27.9	3.41	26.5	3.27	25.8	3.13	24.7	3.00	23.5	2.86
		135.0	29.6	3.54	27.9	3.27	26.5	3.13	25.8	3.00	24.7	2.86	23.5	2.72
		168.8	29.6	3.54	27.9	3.27	26.5	3.13	25.8	3.00	24.7	2.86	23.5	2.72
		202.5	29.6	3.54	27.9	3.27	26.5	3.13	25.8	3.00	24.7	2.86	23.5	2.72
	35	54.0	29.6	3.27	27.9	3.16	26.5	2.86	25.8	2.90	24.7	2.75	23.5	2.63
		67.5	29.6	3.27	27.9	3.13	26.5	2.86	25.8	2.86	24.7	2.72	23.5	2.59
		135.0	29.6	3.27	27.9	3.00	26.5	2.86	25.8	2.72	24.7	2.59	23.5	2.45
		168.8	29.6	3.27	27.9	3.00	26.5	2.72	25.8	2.72	24.7	2.59	23.5	2.45
		202.5	29.6	3.27	27.9	3.00	26.5	2.65	25.8	2.72	24.7	2.59	23.5	2.45
	40	54.0	29.6	3.00	27.9	2.90	26.5	2.59	25.8	2.63	24.7	2.49	23.5	2.31
		67.5	29.6	3.00	27.9	2.86	26.5	2.59	25.8	2.59	24.7	2.45	23.5	2.31
		135.0	29.6	3.00	27.9	2.72	26.5	2.59	25.8	2.45	24.7	2.31	23.5	2.31
		168.8	29.6	3.00	27.9	2.72	26.5	2.59	25.8	2.45	24.7	2.31	23.5	2.31
		202.5	29.6	3.00	27.9	2.72	26.5	2.59	25.8	2.45	24.7	2.31	23.5	2.31
	45	54.0	29.6	2.72	27.9	2.63	26.5	2.31	25.8	2.34	24.7	2.22	23.5	2.01
		67.5	29.6	2.72	27.9	2.59	26.5	2.31	25.8	2.31	24.7	2.18	23.5	2.04
		135.0	29.6	2.72	27.9	2.45	26.5	2.31	25.8	2.18	24.7	2.04	23.5	2.18
		168.8	29.6	2.72	27.9	2.45	26.5	2.45	25.8	2.18	24.7	2.04	23.5	2.18
		202.5	29.6	2.72	27.9	2.45	26.5	2.52	25.8	2.18	24.7	2.04	23.5	2.18
50	-5	54.0	9.9	3.19	9.3	3.02	8.8	2.86	8.6	2.70	8.6	2.53	8.4	2.40
		67.5	10.2	3.25	9.6	3.08	9.1	2.92	8.9	2.76	8.9	2.59	8.7	2.45
		135.0	11.5	3.52	10.8	3.35	10.3	3.16	10.1	3.00	10.1	2.82	9.9	2.65
		168.8	12.8	3.80	12.0	3.61	11.3	3.41	11.2	3.24	11.1	3.03	11.0	2.86
		202.5	13.4	3.95	12.6	3.73	11.9	3.54	11.7	3.36	11.6	3.14	11.5	2.97
	0	54.0	17.6	4.67	16.3	4.43	15.2	4.17	14.8	3.96	14.6	3.72	14.1	3.51
		67.5	17.7	4.68	16.4	4.44	15.3	4.18	14.9	3.97	14.7	3.73	14.2	3.52
		135.0	18.1	4.72	16.8	4.48	15.6	4.24	15.3	4.03	15.1	3.78	14.5	3.56
		168.8	18.4	4.72	17.0	4.48	15.8	4.24	15.5	4.03	15.3	3.78	14.8	3.56
		202.5	18.6	4.72	17.1	4.48	15.9	4.24	15.7	4.03	15.4	3.78	14.9	3.56
	5	54.0	24.4	5.07	23.1	4.81	22.0	4.54	21.5	4.32	20.6	4.05	19.6	3.81
		67.5	24.4	5.10	23.1	4.83	22.0	4.56	21.5	4.34	20.6	4.07	19.6	3.83
		135.0	24.6	5.20	23.3	4.93	22.1	4.66	21.5	4.42	20.6	4.14	19.6	3.92
		168.8	24.6	5.24	23.3	4.97	22.1	4.69	21.5	4.45	20.6	4.18	19.6	3.94
		202.5	24.6	5.26	23.2	4.99	22.1	4.70	21.5	4.47	20.6	4.20	19.6	3.96

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(14HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	54.0	24.5	4.67	23.1	4.40	22.0	4.13	21.5	3.95	20.6	3.65	19.6	3.49
		67.5	24.5	4.66	23.2	4.39	22.0	4.13	21.5	3.94	20.6	3.66	19.6	3.48
		135.0	24.6	4.63	23.3	4.38	22.1	4.10	21.5	3.92	20.6	3.70	19.6	3.45
		168.8	24.6	4.66	23.3	4.39	22.1	4.11	21.5	3.93	20.6	3.65	19.6	3.47
		202.5	24.6	4.68	23.2	4.40	22.1	4.12	21.5	3.94	20.6	3.62	19.6	3.47
	15	54.0	24.6	4.26	23.3	3.98	22.1	3.71	21.5	3.57	20.6	3.27	19.6	3.16
		67.5	24.6	4.23	23.3	3.94	22.1	3.68	21.5	3.54	20.6	3.27	19.6	3.13
		135.0	24.6	4.09	23.3	3.82	22.1	3.54	21.5	3.41	20.6	3.27	19.6	3.00
		168.8	24.6	4.09	23.3	3.82	22.1	3.54	21.5	3.41	20.6	3.13	19.6	3.00
		202.5	24.6	4.09	23.3	3.82	22.1	3.54	21.5	3.41	20.6	3.06	19.6	3.00
	20	54.0	24.6	3.71	23.3	3.44	22.1	3.30	21.5	3.16	20.6	3.04	19.6	2.72
		67.5	24.6	3.68	23.3	3.41	22.1	3.27	21.5	3.13	20.6	3.00	19.6	2.72
		135.0	24.6	3.54	23.3	3.27	22.1	3.13	21.5	3.00	20.6	2.86	19.6	2.72
		168.8	24.6	3.54	23.3	3.27	22.1	3.13	21.5	3.00	20.6	2.86	19.6	2.72
		202.5	24.6	3.54	23.3	3.27	22.1	3.13	21.5	3.00	20.6	2.86	19.6	2.72
	25	54.0	24.6	3.30	23.3	3.00	22.1	2.90	21.5	2.72	20.6	2.59	19.6	2.45
		67.5	24.6	3.27	23.3	3.00	22.1	2.86	21.5	2.72	20.6	2.59	19.6	2.45
		135.0	24.6	3.13	23.3	3.00	22.1	2.72	21.5	2.72	20.6	2.59	19.6	2.45
		168.8	24.6	3.13	23.3	3.00	22.1	2.72	21.5	2.72	20.6	2.59	19.6	2.45
		202.5	24.6	3.13	23.3	3.00	22.1	2.72	21.5	2.72	20.6	2.59	19.6	2.45
	30	54.0	24.6	3.04	23.3	2.75	22.1	2.63	21.5	2.45	20.6	2.49	19.6	2.34
		67.5	24.6	3.00	23.3	2.72	22.1	2.59	21.5	2.45	20.6	2.45	19.6	2.31
		135.0	24.6	2.86	23.3	2.59	22.1	2.45	21.5	2.45	20.6	2.31	19.6	2.18
		168.8	24.6	2.86	23.3	2.59	22.1	2.45	21.5	2.45	20.6	2.31	19.6	2.18
		202.5	24.6	2.86	23.3	2.59	22.1	2.45	21.5	2.45	20.6	2.31	19.6	2.18
	35	54.0	24.6	2.75	23.3	2.45	22.1	2.31	21.5	2.34	20.6	2.18	19.6	2.04
		67.5	24.6	2.72	23.3	2.45	22.1	2.31	21.5	2.31	20.6	2.18	19.6	2.04
		135.0	24.6	2.59	23.3	2.45	22.1	2.31	21.5	2.18	20.6	2.18	19.6	2.04
		168.8	24.6	2.59	23.3	2.45	22.1	2.31	21.5	2.18	20.6	2.18	19.6	2.04
		202.5	24.6	2.59	23.3	2.45	22.1	2.31	21.5	2.18	20.6	2.18	19.6	2.04
	40	54.0	24.6	2.49	23.3	2.34	22.1	2.22	21.5	2.04	20.6	2.08	19.6	1.90
		67.5	24.6	2.45	23.3	2.31	22.1	2.18	21.5	2.04	20.6	2.04	19.6	1.90
		135.0	24.6	2.31	23.3	2.18	22.1	2.04	21.5	2.04	20.6	1.90	19.6	1.90
		168.8	24.6	2.31	23.3	2.18	22.1	2.04	21.5	2.04	20.6	1.90	19.6	1.90
		202.5	24.6	2.31	23.3	2.18	22.1	2.04	21.5	2.04	20.6	1.90	19.6	1.90
	45	54.0	24.6	2.22	23.3	2.25	22.1	2.11	21.5	1.74	20.6	1.97	19.6	1.77
		67.5	24.6	2.18	23.3	2.18	22.1	2.04	21.5	1.77	20.6	1.90	19.6	1.77
		135.0	24.6	2.04	23.3	1.90	22.1	1.77	21.5	1.90	20.6	1.63	19.6	1.77
		168.8	24.6	2.04	23.3	1.90	22.1	1.77	21.5	1.90	20.6	1.63	19.6	1.77
		202.5	24.6	2.04	23.3	1.90	22.1	1.77	21.5	1.90	20.6	1.63	19.6	1.77

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(16HP)

ARWN160LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	61.6	23.8	8.94	23.7	8.42	23.5	7.84	23.2	7.61	23.5	7.41	22.8	6.64
		77.0	24.7	9.10	24.5	8.58	24.3	8.01	24.0	7.77	24.3	7.57	23.6	6.79
		154.0	27.9	9.72	27.7	9.23	27.5	8.69	27.1	8.44	27.5	8.20	26.8	7.36
		192.5	30.8	10.34	30.6	9.87	30.4	9.36	30.0	9.11	30.4	8.85	29.6	7.94
		231.0	32.3	10.65	32.0	10.18	31.8	9.71	31.4	9.46	31.8	9.18	31.0	8.23
	0	61.6	42.6	12.23	41.6	11.87	40.7	11.48	39.8	11.16	40.0	10.85	38.2	9.72
		77.0	42.9	12.27	41.9	11.90	41.0	11.51	40.1	11.19	40.2	10.88	38.4	9.75
		154.0	43.9	12.40	42.8	12.01	41.9	11.65	41.0	11.32	41.2	11.00	39.3	9.87
		192.5	44.5	12.40	43.5	12.01	42.6	11.65	41.6	11.32	41.8	11.00	39.9	9.87
		231.0	44.9	12.40	43.8	12.01	42.9	11.65	41.9	11.32	42.1	11.00	40.2	9.87
	5	61.6	61.3	13.15	60.4	12.82	59.2	12.50	57.7	12.14	56.1	11.81	53.0	10.58
		77.0	61.6	13.21	60.5	12.88	59.2	12.56	57.7	12.21	56.1	11.87	53.0	10.63
		154.0	62.4	13.44	60.9	13.12	59.2	12.81	57.7	12.46	56.1	12.10	53.0	10.85
		192.5	62.8	13.53	61.1	13.21	59.2	12.90	57.7	12.54	56.1	12.19	53.0	10.93
		231.0	63.0	13.58	61.2	13.25	59.2	12.94	57.7	12.59	56.1	12.24	53.0	10.96
	10	61.6	61.4	11.96	60.4	11.56	59.0	11.34	57.4	11.09	55.9	10.71	52.8	9.67
		77.0	61.8	11.94	60.7	11.57	59.2	11.37	57.7	11.09	56.1	10.70	53.0	9.66
		154.0	63.2	11.85	61.8	11.62	60.2	11.46	58.6	11.07	57.0	10.68	53.9	9.63
		192.5	63.6	12.01	62.3	11.78	60.5	11.50	58.9	11.12	57.3	10.85	54.2	10.09
		231.0	63.7	12.10	62.5	11.86	60.7	11.52	59.0	11.14	57.5	10.94	54.4	10.32
	15	61.6	61.5	10.78	60.4	10.32	58.7	10.21	57.2	10.04	55.7	9.62	52.6	8.76
		77.0	62.0	10.68	60.9	10.28	59.2	10.19	57.7	9.97	56.1	9.54	53.0	8.69
		154.0	64.0	10.25	62.7	10.10	61.1	10.10	59.5	9.67	57.8	9.25	54.7	8.39
		192.5	64.4	10.50	63.3	10.34	61.8	10.10	60.2	9.67	58.6	9.51	55.4	9.25
		231.0	64.5	10.62	63.6	10.46	62.2	10.10	60.5	9.67	59.0	9.65	55.7	9.68
	20	61.6	63.9	9.89	62.7	9.43	61.0	9.22	59.3	8.93	57.6	8.73	54.2	8.46
		77.0	64.4	9.82	63.2	9.42	61.5	9.22	59.8	8.97	58.1	8.79	54.7	8.39
		154.0	66.4	9.54	65.2	9.39	63.4	9.19	61.7	9.11	60.2	9.03	56.7	8.11
		192.5	66.7	9.54	65.7	9.39	64.1	9.25	62.3	9.11	60.6	9.03	57.2	8.63
		231.0	66.8	9.54	65.9	9.39	64.5	9.28	62.6	9.11	60.9	9.03	57.4	8.89
	25	61.6	67.4	9.43	65.7	9.16	64.1	9.00	62.9	8.85	61.5	8.72	58.0	8.15
		77.0	67.4	9.39	65.7	9.14	64.1	8.97	62.9	8.82	61.5	8.69	58.0	8.11
		154.0	67.4	9.25	65.7	9.08	64.1	8.82	62.9	8.69	61.5	8.54	58.0	7.97
		192.5	67.4	9.11	65.7	8.85	64.1	8.69	62.9	8.54	61.5	8.39	58.0	7.83
		231.0	67.4	9.05	65.7	8.73	64.1	8.62	62.9	8.47	61.5	8.32	58.0	7.77
	30	61.6	67.4	9.19	65.7	8.73	64.1	8.65	62.9	8.43	61.5	8.33	58.0	7.76
		77.0	67.4	9.11	65.7	8.72	64.1	8.60	62.9	8.39	61.5	8.26	58.0	7.69
		154.0	67.4	8.82	65.7	8.66	64.1	8.39	62.9	8.26	61.5	7.97	58.0	7.41
		192.5	67.4	8.69	65.7	8.42	64.1	8.26	62.9	8.11	61.5	7.97	58.0	7.41
		231.0	67.4	8.62	65.7	8.30	64.1	8.19	62.9	8.04	61.5	7.97	58.0	7.41
	35	61.6	67.4	8.76	65.7	8.47	64.1	8.30	62.9	8.00	61.5	7.72	58.0	7.18
		77.0	67.4	8.69	65.7	8.42	64.1	8.26	62.9	7.97	61.5	7.69	58.0	7.11
		154.0	67.4	8.39	65.7	8.23	64.1	8.11	62.9	7.83	61.5	7.54	58.0	6.83
		192.5	67.4	8.39	65.7	8.14	64.1	7.97	62.9	7.69	61.5	7.41	58.0	6.83
		231.0	67.4	8.39	65.7	8.10	64.1	7.89	62.9	7.61	61.5	7.34	58.0	6.83
	40	61.6	67.4	8.46	65.7	8.19	64.1	8.04	62.9	7.76	61.5	7.48	58.0	6.76
		77.0	67.4	8.39	65.7	8.14	64.1	7.97	62.9	7.69	61.5	7.41	58.0	6.68
		154.0	67.4	8.11	65.7	7.94	64.1	7.69	62.9	7.41	61.5	7.11	58.0	6.41
		192.5	67.4	7.97	65.7	7.80	64.1	7.69	62.9	7.41	61.5	7.11	58.0	6.41
		231.0	67.4	7.89	65.7	7.74	64.1	7.69	62.9	7.41	61.5	7.11	58.0	6.41
	45	61.6	67.4	8.18	65.7	7.91	64.1	7.79	62.9	7.51	61.5	7.22	58.0	6.33
		77.0	67.4	8.11	65.7	7.86	64.1	7.69	62.9	7.41	61.5	7.11	58.0	6.26
		154.0	67.4	7.83	65.7	7.66	64.1	7.26	62.9	6.98	61.5	6.68	58.0	5.98
		192.5	67.4	7.54	65.7	7.47	64.1	7.41	62.9	7.11	61.5	6.83	58.0	5.98
		231.0	67.4	7.39	65.7	7.37	64.1	7.48	62.9	7.18	61.5	6.91	58.0	5.98
120	-5	61.6	22.7	8.94	22.5	8.42	22.3	7.84	22.1	7.51	22.3	7.29	21.7	6.52
		77.0	23.4	9.10	23.3	8.58	23.1	8.01	22.8	7.67	23.0	7.45	22.4	6.67
		154.0	26.5	9.72	26.3	9.23	26.2	8.69	25.8	8.32	26.1	8.08	25.4	7.24
		192.5	29.3	10.34	29.1	9.87	28.9	9.36	28.6	8.98	28.8	8.72	28.0	7.80
		231.0	30.7	10.65	30.5	10.18	30.3	9.71	29.9	9.32	30.2	9.04	29.3	8.09
	0	61.6	40.5	12.23	39.5	11.87	38.7	11.48	37.9	10.99	37.9	10.69	36.2	9.56
		77.0	40.7	12.27	39.8	11.90	38.9	11.51	38.1	11.03	38.1	10.72	36.4	9.59
		154.0	41.7	12.40	40.7	12.01	39.9	11.65	39.0	11.16	39.0	10.84	37.3	9.70
		192.5	42.3	12.40	41.4	12.01	40.5	11.65	39.6	11.16	39.6	10.84	37.8	9.70
		231.0	42.7	12.40	41.7	12.01	40.8	11.65	39.9	11.16	39.9	10.84	38.1	9.70

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	61.6	58.4	13.15	57.5	12.82	56.3	12.50	54.9	11.97	53.2	11.63	50.3	10.42
		77.0	58.6	13.21	57.6	12.88	56.3	12.56	54.9	12.03	53.2	11.69	50.3	10.47
		154.0	59.4	13.44	58.0	13.12	56.3	12.81	54.9	12.28	53.2	11.93	50.3	10.68
		192.5	59.8	13.53	57.7	13.21	56.3	12.90	54.9	12.37	53.2	12.01	50.3	10.75
		231.0	59.9	13.58	57.5	13.25	56.3	12.94	54.9	12.41	53.2	12.06	50.3	10.79
	10	61.6	58.6	11.81	57.5	11.48	56.1	11.25	54.7	10.91	53.0	10.55	50.1	9.49
		77.0	58.9	11.85	57.8	11.53	56.3	11.29	54.9	10.93	53.2	10.54	50.3	9.50
		154.0	60.0	12.01	58.7	11.71	56.9	11.46	55.5	10.98	53.7	10.51	50.8	9.54
		192.5	60.3	11.97	58.5	11.71	57.1	11.50	55.7	11.03	54.0	10.56	51.0	9.87
		231.0	60.5	11.95	58.4	11.71	57.2	11.52	55.9	11.05	54.1	10.58	51.1	10.03
	15	61.6	58.8	10.48	57.6	10.17	55.9	10.01	54.6	9.86	52.9	9.46	50.0	8.58
		77.0	59.1	10.50	57.9	10.19	56.3	10.03	54.9	9.82	53.2	9.39	50.3	8.54
		154.0	60.5	10.59	59.4	10.28	57.5	10.10	56.1	9.67	54.2	9.11	51.3	8.39
		192.5	60.8	10.42	59.3	10.19	58.0	10.10	56.6	9.67	54.7	9.11	51.8	8.97
		231.0	61.0	10.34	59.3	10.14	58.2	10.10	56.8	9.67	54.9	9.11	52.0	9.26
	20	61.6	60.4	9.42	59.3	9.02	57.5	8.78	55.9	8.65	54.1	8.55	51.2	8.11
		77.0	60.8	9.42	59.6	9.06	57.8	8.82	56.3	8.69	54.4	8.54	51.5	8.08
		154.0	62.4	9.42	61.0	9.19	59.1	8.97	57.7	8.82	55.8	8.51	52.7	7.97
		192.5	62.6	9.34	61.0	9.11	59.5	8.97	58.0	8.82	56.1	8.54	53.0	8.26
		231.0	62.8	9.29	61.0	9.08	59.8	8.97	58.2	8.82	56.3	8.55	53.2	8.41
	25	61.6	63.4	8.91	61.5	8.50	59.5	8.33	58.3	8.15	56.7	8.00	53.6	7.44
		77.0	63.4	8.88	61.5	8.48	59.5	8.32	58.3	8.11	56.7	7.97	53.6	7.41
		154.0	63.5	8.75	61.5	8.42	59.5	8.26	58.3	7.97	56.7	7.83	53.6	7.26
		192.5	63.7	8.42	61.5	8.20	59.5	8.11	58.3	7.97	56.7	7.69	53.6	7.26
		231.0	63.8	8.26	61.5	8.09	59.5	8.04	58.3	7.97	56.7	7.61	53.6	7.26
	30	61.6	63.7	8.52	61.5	8.10	59.5	7.87	58.3	7.57	56.7	7.48	53.6	6.87
		77.0	63.7	8.45	61.5	8.05	59.5	7.83	58.3	7.54	56.7	7.41	53.6	6.83
		154.0	63.7	8.17	61.5	7.86	59.5	7.69	58.3	7.41	56.7	7.11	53.6	6.68
		192.5	63.7	7.91	61.5	7.69	59.5	7.54	58.3	7.41	56.7	7.11	53.6	6.55
		231.0	63.7	7.77	61.5	7.60	59.5	7.46	58.3	7.41	56.7	7.11	53.6	6.49
	35	61.6	63.7	8.14	61.5	7.70	59.5	7.48	58.3	7.18	56.7	6.90	53.6	6.29
		77.0	63.7	8.02	61.5	7.63	59.5	7.41	58.3	7.11	56.7	6.83	53.6	6.26
		154.0	63.7	7.57	61.5	7.35	59.5	7.11	58.3	6.83	56.7	6.55	53.6	6.13
		192.5	63.7	7.48	61.5	7.29	59.5	7.11	58.3	6.83	56.7	6.55	53.6	5.98
		231.0	63.7	7.44	61.5	7.26	59.5	7.11	58.3	6.83	56.7	6.55	53.6	5.90
	40	61.6	63.7	7.90	61.5	7.34	59.5	7.05	58.3	6.76	56.7	6.48	53.6	5.86
		77.0	63.7	7.74	61.5	7.26	59.5	6.98	58.3	6.68	56.7	6.41	53.6	5.83
		154.0	63.7	7.14	61.5	6.92	59.5	6.68	58.3	6.41	56.7	6.13	53.6	5.70
		192.5	63.7	7.05	61.5	6.83	59.5	6.68	58.3	6.41	56.7	6.13	53.6	5.55
		231.0	63.7	7.01	61.5	6.79	59.5	6.68	58.3	6.41	56.7	6.13	53.6	5.48
	45	61.6	63.7	7.65	61.5	6.99	59.5	6.63	58.3	6.33	56.7	6.05	53.6	5.44
		77.0	63.7	7.47	61.5	6.89	59.5	6.55	58.3	6.26	56.7	5.98	53.6	5.40
		154.0	63.7	6.71	61.5	6.49	59.5	6.26	58.3	5.98	56.7	5.70	53.6	5.27
		192.5	63.7	6.63	61.5	6.38	59.5	6.26	58.3	5.98	56.7	5.70	53.6	5.12
		231.0	63.7	6.58	61.5	6.32	59.5	6.26	58.3	5.98	56.7	5.70	53.6	5.05
110	-5	61.6	21.4	9.06	21.3	8.42	21.2	7.84	20.9	7.51	21.0	7.29	20.5	6.52
		77.0	22.2	9.22	22.0	8.58	21.9	8.01	21.7	7.67	21.7	7.45	21.2	6.67
		154.0	25.1	9.84	24.9	9.23	24.8	8.69	24.5	8.32	24.5	8.08	24.1	7.24
		192.5	27.7	10.47	27.5	9.87	27.4	9.36	27.1	8.98	27.1	8.72	26.5	7.80
		231.0	29.0	10.79	28.8	10.18	28.7	9.71	28.4	9.32	28.4	9.04	27.8	8.09
	0	61.6	38.3	12.40	37.5	11.87	36.7	11.48	36.0	10.99	35.7	10.69	34.3	9.56
		77.0	38.5	12.43	37.7	11.90	36.9	11.51	36.2	11.03	35.9	10.72	34.5	9.59
		154.0	39.4	12.54	38.6	12.01	37.7	11.65	37.0	11.16	36.7	10.84	35.3	9.70
		192.5	40.0	12.54	39.2	12.01	38.4	11.65	37.6	11.16	37.3	10.84	35.8	9.70
		231.0	40.3	12.54	39.5	12.01	38.7	11.65	37.9	11.16	37.6	10.84	36.1	9.70
	5	61.6	55.9	13.32	54.6	12.82	53.3	12.50	52.1	11.97	50.1	11.63	47.6	10.42
		77.0	56.1	13.38	54.7	12.88	53.3	12.56	52.1	12.03	50.1	11.69	47.6	10.47
		154.0	56.8	13.62	55.1	13.12	53.4	12.81	52.1	12.28	50.1	11.93	47.6	10.68
		192.5	57.2	13.71	55.2	13.21	53.4	12.90	52.1	12.37	50.1	12.01	47.6	10.75
		231.0	57.3	13.75	55.3	13.25	53.4	12.94	52.1	12.41	50.1	12.06	47.6	10.79
	10	61.6	56.1	11.95	54.7	11.54	53.2	11.29	52.0	10.91	50.0	10.55	47.6	9.49
		77.0	56.3	11.97	54.9	11.57	53.3	11.32	52.1	10.93	50.1	10.54	47.6	9.50
		154.0	57.2	12.06	55.4	11.71	53.6	11.46	52.4	10.98	50.4	10.51	47.9	9.54
		192.5	57.5	12.06	55.7	11.71	53.8	11.43	52.5	10.95	50.5	10.56	48.0	9.64
		231.0	57.6	12.06	55.8	11.71	53.9	11.41	52.6	10.94	50.5	10.58	48.1	9.70

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	61.6	56.3	10.57	54.8	10.28	53.2	10.10	51.9	9.86	49.9	9.46	47.5	8.58
		77.0	56.5	10.56	55.0	10.28	53.4	10.10	52.1	9.82	50.1	9.39	47.6	8.54
		154.0	57.4	10.50	55.8	10.28	54.0	10.10	52.7	9.67	50.7	9.11	48.1	8.39
		192.5	57.8	10.42	56.1	10.19	54.2	9.97	52.9	9.54	50.9	9.11	48.4	8.54
		231.0	57.9	10.39	56.2	10.14	54.4	9.90	53.0	9.47	50.9	9.11	48.5	8.61
	20	61.6	57.3	9.13	55.7	8.91	53.9	8.69	52.5	8.54	50.6	8.30	47.9	7.76
		77.0	57.6	9.14	55.9	8.91	54.1	8.69	52.7	8.54	50.7	8.26	48.1	7.74
		154.0	58.8	9.22	56.7	8.91	54.7	8.69	53.5	8.54	51.3	8.11	48.9	7.69
		192.5	59.2	9.22	57.2	8.91	55.0	8.69	53.6	8.39	51.6	8.11	49.0	7.69
		231.0	59.3	9.22	57.4	8.91	55.2	8.69	53.7	8.32	51.8	8.11	49.1	7.69
	25	61.6	59.1	8.30	57.3	8.00	55.0	7.87	53.8	7.57	51.9	7.30	49.2	6.68
		77.0	59.2	8.29	57.3	7.97	55.0	7.83	53.8	7.54	51.9	7.26	49.2	6.68
		154.0	59.7	8.23	57.3	7.83	55.0	7.69	53.8	7.41	51.9	7.11	49.2	6.68
		192.5	60.0	8.23	57.3	7.86	55.0	7.54	53.8	7.41	51.9	6.98	49.2	6.55
		231.0	60.1	8.23	57.3	7.88	55.0	7.46	53.8	7.41	51.9	6.91	49.2	6.49
	30	61.6	60.0	7.57	57.3	7.30	55.0	7.02	53.8	6.87	51.9	6.44	49.2	6.02
		77.0	60.0	7.54	57.3	7.26	55.0	6.98	53.8	6.83	51.9	6.41	49.2	5.98
		154.0	60.0	7.41	57.3	7.11	55.0	6.83	53.8	6.68	51.9	6.26	49.2	5.83
		192.5	60.0	7.35	57.3	6.98	55.0	6.68	53.8	6.55	51.9	6.26	49.2	5.83
		231.0	60.0	7.32	57.3	6.91	55.0	6.61	53.8	6.49	51.9	6.26	49.2	5.83
	35	61.6	60.0	7.18	57.3	6.72	55.0	6.44	53.8	6.16	51.9	5.86	49.2	5.44
		77.0	60.0	7.11	57.3	6.68	55.0	6.41	53.8	6.13	51.9	5.83	49.2	5.40
		154.0	60.0	6.83	57.3	6.55	55.0	6.26	53.8	5.98	51.9	5.70	49.2	5.27
		192.5	60.0	6.66	57.3	6.41	55.0	6.13	53.8	5.98	51.9	5.70	49.2	5.27
		231.0	60.0	6.57	57.3	6.33	55.0	6.06	53.8	5.98	51.9	5.70	49.2	5.27
	40	61.6	60.0	6.76	57.3	6.48	55.0	6.05	53.8	5.74	51.9	5.44	49.2	5.01
		77.0	60.0	6.68	57.3	6.41	55.0	5.98	53.8	5.70	51.9	5.40	49.2	4.98
		154.0	60.0	6.41	57.3	6.13	55.0	5.70	53.8	5.55	51.9	5.27	49.2	4.84
		192.5	60.0	6.32	57.3	5.98	55.0	5.70	53.8	5.40	51.9	5.12	49.2	4.70
		231.0	60.0	6.27	57.3	5.90	55.0	5.70	53.8	5.33	51.9	5.05	49.2	4.62
	45	61.6	60.0	6.33	57.3	6.23	55.0	5.66	53.8	5.31	51.9	5.01	49.2	4.58
		77.0	60.0	6.26	57.3	6.13	55.0	5.55	53.8	5.27	51.9	4.98	49.2	4.55
		154.0	60.0	5.98	57.3	5.70	55.0	5.12	53.8	5.12	51.9	4.84	49.2	4.42
		192.5	60.0	5.98	57.3	5.55	55.0	5.27	53.8	4.84	51.9	4.55	49.2	4.12
		231.0	60.0	5.98	57.3	5.48	55.0	5.35	53.8	4.70	51.9	4.40	49.2	3.97
100	-5	61.6	20.3	9.06	20.1	8.54	20.0	7.84	19.9	7.51	19.7	7.17	19.3	6.52
		77.0	21.0	9.22	20.8	8.70	20.7	8.01	20.5	7.67	20.3	7.33	20.0	6.67
		154.0	23.7	9.84	23.6	9.35	23.4	8.69	23.2	8.32	23.0	7.97	22.6	7.24
		192.5	26.2	10.47	26.0	10.00	25.9	9.36	25.6	8.98	25.5	8.58	25.0	7.80
		231.0	27.5	10.79	27.2	10.32	27.1	9.71	26.9	9.32	26.7	8.90	26.2	8.09
	0	61.6	36.2	12.40	35.4	12.03	34.7	11.48	34.1	10.99	33.5	10.53	32.3	9.56
		77.0	36.4	12.43	35.6	12.06	34.9	11.51	34.3	11.03	33.7	10.56	32.5	9.59
		154.0	37.3	12.54	36.5	12.18	35.7	11.65	35.1	11.16	34.5	10.68	33.2	9.70
		192.5	37.8	12.54	37.0	12.18	36.2	11.65	35.6	11.16	35.0	10.68	33.8	9.70
		231.0	38.1	12.54	37.3	12.18	36.5	11.65	35.8	11.16	35.2	10.68	34.0	9.70
	5	61.6	53.4	13.32	51.7	13.00	50.3	12.50	49.3	11.97	47.0	11.45	44.8	10.42
		77.0	53.6	13.38	51.8	13.06	50.4	12.56	49.3	12.03	47.0	11.51	44.8	10.47
		154.0	54.4	13.62	52.1	13.30	50.4	12.81	49.3	12.28	47.0	11.75	44.8	10.68
		192.5	54.7	13.71	52.3	13.38	50.4	12.90	49.3	12.37	47.0	11.82	44.8	10.75
		231.0	54.9	13.75	52.3	13.43	50.4	12.94	49.3	12.41	47.0	11.86	44.8	10.79
	10	61.6	53.7	11.91	51.8	11.65	50.4	11.29	49.3	10.91	47.0	10.37	44.8	9.49
		77.0	53.9	11.97	51.9	11.69	50.4	11.32	49.3	10.93	47.0	10.38	44.8	9.50
		154.0	54.4	12.19	52.2	11.84	50.4	11.46	49.3	10.98	47.0	10.42	44.8	9.54
		192.5	54.8	12.15	52.4	11.84	50.4	11.43	49.3	10.95	47.0	10.40	44.8	9.50
		231.0	54.9	12.13	52.5	11.84	50.4	11.41	49.3	10.94	47.0	10.38	44.8	9.47
	15	61.6	54.0	10.51	52.1	10.33	50.4	10.10	49.3	9.86	47.0	9.28	44.8	8.58
		77.0	54.1	10.56	52.1	10.34	50.4	10.10	49.3	9.82	47.0	9.25	44.8	8.54
		154.0	54.4	10.76	52.2	10.37	50.4	10.10	49.3	9.67	47.0	9.11	44.8	8.39
		192.5	54.9	10.59	52.5	10.28	50.4	9.97	49.3	9.54	47.0	8.97	44.8	8.26
		231.0	55.1	10.50	52.7	10.23	50.4	9.90	49.3	9.47	47.0	8.89	44.8	8.19
	20	61.6	54.3	8.98	52.3	8.75	50.4	8.54	49.3	8.43	47.0	7.87	44.8	7.48
		77.0	54.5	9.03	52.4	8.76	50.4	8.54	49.3	8.39	47.0	7.83	44.8	7.41
		154.0	55.3	9.19	52.5	8.79	50.4	8.54	49.3	8.26	47.0	7.69	44.8	7.11
		192.5	55.7	9.03	53.0	8.72	50.4	8.39	49.3	8.11	47.0	7.54	44.8	6.98
		231.0	55.8	8.94	53.2	8.68	50.4	8.32	49.3	8.04	47.0	7.46	44.8	6.91

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	61.6	55.0	7.86	53.2	7.61	50.4	7.30	49.3	7.02	47.0	6.59	44.8	5.98
		77.0	55.2	7.86	53.2	7.57	50.4	7.26	49.3	6.98	47.0	6.55	44.8	5.98
		154.0	56.0	7.89	53.2	7.41	50.4	7.11	49.3	6.83	47.0	6.41	44.8	5.98
		192.5	56.3	7.72	53.2	7.35	50.4	6.98	49.3	6.68	47.0	6.41	44.8	5.83
		231.0	56.4	7.63	53.2	7.32	50.4	6.91	49.3	6.61	47.0	6.41	44.8	5.76
	30	61.6	56.3	7.15	53.2	6.59	50.4	6.14	49.3	6.02	47.0	5.55	44.8	5.31
		77.0	56.3	7.11	53.2	6.55	50.4	6.13	49.3	5.98	47.0	5.55	44.8	5.27
		154.0	56.3	6.98	53.2	6.41	50.4	6.07	49.3	5.83	47.0	5.55	44.8	5.12
		192.5	56.3	6.83	53.2	6.41	50.4	5.98	49.3	5.83	47.0	5.40	44.8	5.12
		231.0	56.3	6.76	53.2	6.41	50.4	5.93	49.3	5.83	47.0	5.33	44.8	5.12
	35	61.6	56.3	6.63	53.2	6.05	50.4	5.42	49.3	5.31	47.0	5.01	44.8	4.58
		77.0	56.3	6.55	53.2	5.98	50.4	5.40	49.3	5.27	47.0	4.98	44.8	4.55
		154.0	56.3	6.26	53.2	5.70	50.4	5.34	49.3	5.12	47.0	4.84	44.8	4.42
		192.5	56.3	6.26	53.2	5.70	50.4	5.27	49.3	5.12	47.0	4.84	44.8	4.42
		231.0	56.3	6.26	53.2	5.70	50.4	5.23	49.3	5.12	47.0	4.84	44.8	4.42
	40	61.6	56.3	6.20	53.2	5.62	50.4	4.86	49.3	4.73	47.0	4.45	44.8	4.16
		77.0	56.3	6.13	53.2	5.55	50.4	4.84	49.3	4.70	47.0	4.42	44.8	4.12
		154.0	56.3	5.83	53.2	5.27	50.4	4.79	49.3	4.55	47.0	4.27	44.8	3.99
		192.5	56.3	5.70	53.2	5.27	50.4	4.70	49.3	4.55	47.0	4.27	44.8	3.99
		231.0	56.3	5.63	53.2	5.27	50.4	4.65	49.3	4.55	47.0	4.27	44.8	3.99
	45	61.6	56.3	5.77	53.2	5.19	50.4	4.28	49.3	4.16	47.0	3.88	44.8	3.73
		77.0	56.3	5.70	53.2	5.12	50.4	4.27	49.3	4.12	47.0	3.84	44.8	3.70
		154.0	56.3	5.40	53.2	4.84	50.4	4.21	49.3	3.99	47.0	3.70	44.8	3.56
		192.5	56.3	5.12	53.2	4.84	50.4	4.12	49.3	3.99	47.0	3.70	44.8	3.56
		231.0	56.3	4.98	53.2	4.84	50.4	4.08	49.3	3.99	47.0	3.70	44.8	3.56
90	-5	61.6	19.1	8.41	18.5	7.66	18.0	6.73	17.9	6.41	17.7	6.18	17.4	5.55
		77.0	19.8	8.55	19.2	7.80	18.6	6.88	18.5	6.55	18.3	6.32	18.0	5.67
		154.0	22.4	9.13	21.7	8.38	21.1	7.47	20.9	7.11	20.8	6.86	20.3	6.15
		192.5	24.8	9.70	24.0	8.97	23.3	8.05	23.1	7.67	22.9	7.39	22.5	6.64
		231.0	25.9	9.99	25.1	9.26	24.4	8.35	24.2	7.95	24.0	7.66	23.6	6.89
	0	61.6	34.2	11.46	32.6	10.75	31.1	9.87	30.7	9.41	30.2	9.06	29.0	8.13
		77.0	34.4	11.48	32.8	10.78	31.3	9.89	30.8	9.44	30.3	9.08	29.2	8.16
		154.0	35.2	11.60	33.6	10.90	32.1	10.00	31.6	9.54	31.0	9.19	29.9	8.25
		192.5	35.7	11.60	34.1	10.90	32.6	10.00	32.0	9.54	31.6	9.19	30.4	8.25
		231.0	36.0	11.60	34.3	10.90	32.8	10.00	32.3	9.54	31.8	9.19	30.6	8.25
	5	61.6	48.3	12.30	46.8	11.61	45.3	10.74	44.4	10.24	42.4	9.86	40.4	8.85
		77.0	48.4	12.35	46.7	11.66	45.3	10.79	44.4	10.29	42.4	9.91	40.4	8.89
		154.0	48.6	12.57	46.6	11.88	45.3	11.00	44.4	10.50	42.4	10.12	40.4	9.07
		192.5	48.9	12.65	46.7	11.96	45.3	11.09	44.4	10.57	42.4	10.19	40.4	9.14
		231.0	49.0	12.69	46.8	11.99	45.3	11.13	44.4	10.61	42.4	10.23	40.4	9.18
	10	61.6	48.6	10.86	46.9	10.33	45.3	9.72	44.4	9.32	42.4	8.94	40.4	8.06
		77.0	48.6	10.87	46.9	10.34	45.3	9.73	44.4	9.34	42.4	8.94	40.4	8.07
		154.0	48.5	10.90	46.6	10.38	45.3	9.78	44.4	9.38	42.4	8.91	40.4	8.10
		192.5	48.8	10.87	46.8	10.35	45.3	9.75	44.4	9.35	42.4	8.94	40.4	8.13
		231.0	49.0	10.85	46.9	10.34	45.3	9.73	44.4	9.33	42.4	8.95	40.4	8.14
	15	61.6	48.8	9.40	47.1	9.06	45.3	8.72	44.4	8.43	42.4	8.04	40.4	7.30
		77.0	48.8	9.36	47.0	9.03	45.3	8.69	44.4	8.39	42.4	7.97	40.4	7.26
		154.0	48.4	9.22	46.7	8.88	45.3	8.54	44.4	8.26	42.4	7.69	40.4	7.11
		192.5	48.8	9.08	46.8	8.75	45.3	8.39	44.4	8.11	42.4	7.69	40.4	7.11
		231.0	48.9	9.02	46.9	8.68	45.3	8.32	44.4	8.04	42.4	7.69	40.4	7.11
	20	61.6	49.1	7.94	47.3	7.71	45.3	7.44	44.4	7.15	42.4	6.90	40.4	6.48
		77.0	49.1	7.94	47.2	7.69	45.3	7.41	44.4	7.11	42.4	6.83	40.4	6.41
		154.0	48.9	7.94	46.8	7.60	45.3	7.26	44.4	6.98	42.4	6.55	40.4	6.13
		192.5	49.0	7.80	47.0	7.54	45.3	7.26	44.4	6.98	42.4	6.55	40.4	6.13
		231.0	49.1	7.74	47.0	7.51	45.3	7.26	44.4	6.98	42.4	6.55	40.4	6.13
	25	61.6	50.0	6.94	47.9	6.57	45.3	6.29	44.4	5.98	42.4	5.74	40.4	5.31
		77.0	50.1	6.92	47.9	6.55	45.3	6.26	44.4	5.98	42.4	5.70	40.4	5.27
		154.0	50.5	6.86	47.9	6.49	45.3	6.13	44.4	5.98	42.4	5.55	40.4	5.12
		192.5	50.7	6.68	47.9	6.35	45.3	6.13	44.4	5.83	42.4	5.55	40.4	5.12
		231.0	50.8	6.60	47.9	6.27	45.3	6.13	44.4	5.76	42.4	5.55	40.4	5.12
	30	61.6	50.7	6.29	47.9	5.86	45.3	5.44	44.4	5.31	42.4	5.01	40.4	4.55
		77.0	50.7	6.26	47.9	5.83	45.3	5.40	44.4	5.27	42.4	4.98	40.4	4.55
		154.0	50.7	6.13	47.9	5.70	45.3	5.27	44.4	5.12	42.4	4.84	40.4	4.55
		192.5	50.7	5.98	47.9	5.55	45.3	5.27	44.4	5.12	42.4	4.84	40.4	4.42
		231.0	50.7	5.90	47.9	5.48	45.3	5.27	44.4	5.12	42.4	4.84	40.4	4.35

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	61.6	50.7	5.74	47.9	5.31	45.3	4.88	44.4	4.73	42.4	4.45	40.4	4.16
		77.0	50.7	5.70	47.9	5.27	45.3	4.84	44.4	4.70	42.4	4.42	40.4	4.12
		154.0	50.7	5.55	47.9	5.12	45.3	4.70	44.4	4.55	42.4	4.27	40.4	3.99
		192.5	50.7	5.40	47.9	4.98	45.3	4.55	44.4	4.42	42.4	4.27	40.4	3.99
		231.0	50.7	5.33	47.9	4.90	45.3	4.48	44.4	4.35	42.4	4.27	40.4	3.99
	40	61.6	50.7	5.35	47.9	4.88	45.3	4.31	44.4	4.16	42.4	4.03	40.4	3.73
		77.0	50.7	5.27	47.9	4.84	45.3	4.27	44.4	4.12	42.4	3.99	40.4	3.70
		154.0	50.7	4.98	47.9	4.70	45.3	4.12	44.4	3.99	42.4	3.84	40.4	3.56
		192.5	50.7	4.98	47.9	4.70	45.3	4.12	44.4	3.99	42.4	3.84	40.4	3.56
		231.0	50.7	4.98	47.9	4.70	45.3	4.12	44.4	3.99	42.4	3.84	40.4	3.56
	45	61.6	50.7	4.95	47.9	4.45	45.3	3.73	44.4	3.60	42.4	3.60	40.4	3.30
		77.0	50.7	4.84	47.9	4.42	45.3	3.70	44.4	3.56	42.4	3.56	40.4	3.27
		154.0	50.7	4.42	47.9	4.27	45.3	3.56	44.4	3.42	42.4	3.42	40.4	3.14
		192.5	50.7	4.55	47.9	4.42	45.3	3.70	44.4	3.56	42.4	3.42	40.4	3.14
		231.0	50.7	4.62	47.9	4.49	45.3	3.76	44.4	3.64	42.4	3.42	40.4	3.14
80	-5	61.6	18.1	5.99	17.0	5.76	16.1	5.52	15.9	5.33	15.8	5.09	15.5	4.68
		77.0	18.7	6.13	17.5	5.89	16.6	5.64	16.4	5.45	16.3	5.20	16.0	4.79
		154.0	21.1	6.66	19.8	6.39	18.8	6.11	18.6	5.90	18.5	5.64	18.1	5.18
		192.5	23.4	7.17	21.9	6.89	20.7	6.60	20.5	6.38	20.4	6.08	20.0	5.60
		231.0	24.5	7.43	22.9	7.14	21.7	6.84	21.5	6.61	21.4	6.30	20.9	5.80
	0	61.6	32.3	8.79	29.8	8.44	27.7	8.09	27.2	7.81	26.8	7.44	25.8	6.86
		77.0	32.5	8.82	30.0	8.47	27.9	8.11	27.4	7.83	27.0	7.47	26.0	6.88
		154.0	33.3	8.92	30.7	8.57	28.6	8.20	28.0	7.92	27.7	7.55	26.6	6.95
		192.5	33.8	8.92	31.1	8.57	29.0	8.20	28.5	7.92	28.1	7.55	27.0	6.95
		231.0	34.0	8.92	31.4	8.57	29.3	8.20	28.7	7.92	28.3	7.55	27.2	6.95
	5	61.6	44.7	9.56	42.2	9.20	40.3	8.79	39.4	8.50	37.7	8.10	35.9	7.45
		77.0	44.8	9.61	42.2	9.25	40.3	8.83	39.4	8.54	37.7	8.14	35.9	7.49
		154.0	45.1	9.82	42.6	9.42	40.4	9.03	39.4	8.72	37.7	8.30	35.9	7.66
		192.5	45.1	9.88	42.5	9.50	40.4	9.08	39.4	8.78	37.7	8.36	35.9	7.70
		231.0	45.1	9.91	42.5	9.53	40.4	9.11	39.4	8.81	37.7	8.39	35.9	7.72
	10	61.6	44.9	8.80	42.3	8.40	40.3	7.98	39.4	7.76	37.7	7.34	35.9	6.80
		77.0	45.0	8.79	42.4	8.39	40.3	7.98	39.4	7.76	37.7	7.35	35.9	6.80
		154.0	45.1	8.75	42.6	8.35	40.4	8.00	39.4	7.77	37.7	7.36	35.9	6.82
		192.5	45.1	8.72	42.5	8.38	40.4	8.02	39.4	7.73	37.7	7.32	35.9	6.77
		231.0	45.1	8.70	42.5	8.39	40.4	8.04	39.4	7.71	37.7	7.30	35.9	6.75
	15	61.6	45.1	8.04	42.5	7.61	40.4	7.15	39.4	7.02	37.7	6.59	35.9	6.16
		77.0	45.1	7.97	42.5	7.54	40.4	7.11	39.4	6.98	37.7	6.55	35.9	6.13
		154.0	45.1	7.69	42.5	7.26	40.4	6.98	39.4	6.83	37.7	6.41	35.9	5.98
		192.5	45.1	7.54	42.5	7.26	40.4	6.98	39.4	6.68	37.7	6.26	35.9	5.83
		231.0	45.1	7.46	42.5	7.26	40.4	6.98	39.4	6.61	37.7	6.18	35.9	5.76
	20	61.6	45.1	6.72	42.5	6.44	40.4	6.13	39.4	6.02	37.7	5.74	35.9	5.31
		77.0	45.1	6.68	42.5	6.41	40.4	6.13	39.4	5.98	37.7	5.70	35.9	5.27
		154.0	45.1	6.55	42.5	6.26	40.4	6.13	39.4	5.83	37.7	5.55	35.9	5.12
		192.5	45.1	6.41	42.5	6.13	40.4	5.98	39.4	5.83	37.7	5.40	35.9	5.12
		231.0	45.1	6.33	42.5	6.06	40.4	5.90	39.4	5.83	37.7	5.33	35.9	5.12
	25	61.6	45.1	6.02	42.5	5.59	40.4	5.27	39.4	5.16	37.7	4.88	35.9	4.58
		77.0	45.1	5.98	42.5	5.55	40.4	5.27	39.4	5.12	37.7	4.84	35.9	4.55
		154.0	45.1	5.83	42.5	5.40	40.4	5.27	39.4	4.98	37.7	4.70	35.9	4.42
		192.5	45.1	5.70	42.5	5.40	40.4	5.12	39.4	4.98	37.7	4.70	35.9	4.42
		231.0	45.1	5.63	42.5	5.40	40.4	5.05	39.4	4.98	37.7	4.70	35.9	4.42
	30	61.6	45.1	5.31	42.5	5.01	40.4	4.73	39.4	4.58	37.7	4.31	35.9	4.03
		77.0	45.1	5.27	42.5	4.98	40.4	4.70	39.4	4.55	37.7	4.27	35.9	3.99
		154.0	45.1	5.12	42.5	4.84	40.4	4.55	39.4	4.42	37.7	4.12	35.9	3.84
		192.5	45.1	5.12	42.5	4.84	40.4	4.55	39.4	4.42	37.7	4.12	35.9	3.84
		231.0	45.1	5.12	42.5	4.84	40.4	4.55	39.4	4.42	37.7	4.12	35.9	3.84
	35	61.6	45.1	4.88	42.5	4.58	40.4	4.16	39.4	3.99	37.7	3.88	35.9	3.56
		77.0	45.1	4.84	42.5	4.55	40.4	4.12	39.4	3.99	37.7	3.84	35.9	3.56
		154.0	45.1	4.70	42.5	4.42	40.4	3.99	39.4	3.99	37.7	3.70	35.9	3.56
		192.5	45.1	4.70	42.5	4.27	40.4	3.99	39.4	3.84	37.7	3.70	35.9	3.42
		231.0	45.1	4.70	42.5	4.20	40.4	3.99	39.4	3.77	37.7	3.70	35.9	3.34
	40	61.6	45.1	4.62	42.5	4.16	40.4	3.70	39.4	3.73	37.7	3.42	35.9	3.30
		77.0	45.1	4.55	42.5	4.12	40.4	3.70	39.4	3.70	37.7	3.42	35.9	3.27
		154.0	45.1	4.27	42.5	3.99	40.4	3.70	39.4	3.56	37.7	3.42	35.9	3.14
		192.5	45.1	4.27	42.5	3.99	40.4	3.56	39.4	3.56	37.7	3.42	35.9	3.14
		231.0	45.1	4.27	42.5	3.99	40.4	3.50	39.4	3.56	37.7	3.42	35.9	3.14

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	61.6	45.1	4.38	42.5	3.73	40.4	3.23	39.4	3.49	37.7	2.95	35.9	3.06
		77.0	45.1	4.27	42.5	3.70	40.4	3.27	39.4	3.42	37.7	2.99	35.9	2.99
		154.0	45.1	3.84	42.5	3.56	40.4	3.42	39.4	3.14	37.7	3.14	35.9	2.71
		192.5	45.1	3.84	42.5	3.70	40.4	3.14	39.4	3.27	37.7	3.14	35.9	2.84
		231.0	45.1	3.84	42.5	3.76	40.4	3.00	39.4	3.34	37.7	3.14	35.9	2.91
70	-5	61.6	15.8	5.14	14.8	4.90	14.0	4.74	13.9	4.47	13.8	4.31	13.6	3.92
		77.0	16.3	5.26	15.3	5.01	14.5	4.84	14.3	4.56	14.3	4.40	14.0	4.00
		154.0	18.5	5.70	17.3	5.43	16.4	5.26	16.2	4.95	16.1	4.77	15.8	4.34
		192.5	20.4	6.15	19.2	5.86	18.1	5.67	18.0	5.33	17.8	5.15	17.5	4.68
		231.0	21.4	6.38	20.1	6.08	19.0	5.88	18.8	5.52	18.7	5.35	18.3	4.85
	0	61.6	28.2	7.53	26.1	7.18	24.2	6.94	23.8	6.53	23.4	6.31	22.6	5.74
		77.0	28.4	7.55	26.3	7.20	24.4	6.96	24.0	6.55	23.6	6.33	22.7	5.76
		154.0	29.1	7.64	26.9	7.27	24.9	7.05	24.5	6.63	24.1	6.41	23.3	5.82
		192.5	29.5	7.64	27.3	7.27	25.3	7.05	24.9	6.63	24.5	6.41	23.6	5.82
		231.0	29.7	7.64	27.5	7.27	25.5	7.05	25.1	6.63	24.7	6.41	23.8	5.82
	5	61.6	39.0	8.20	37.0	7.81	35.2	7.56	34.5	7.12	32.9	6.87	31.4	6.24
		77.0	39.1	8.25	37.0	7.85	35.2	7.60	34.5	7.16	32.9	6.91	31.4	6.27
		154.0	39.4	8.41	37.3	8.01	35.3	7.76	34.5	7.29	32.9	7.05	31.4	6.41
		192.5	39.4	8.47	37.3	8.07	35.3	7.82	34.5	7.35	32.9	7.10	31.4	6.45
		231.0	39.4	8.50	37.2	8.10	35.3	7.85	34.5	7.38	32.9	7.12	31.4	6.47
	10	61.6	39.2	7.55	37.1	7.14	35.3	6.88	34.5	6.49	32.9	6.23	31.4	5.70
		77.0	39.2	7.54	37.1	7.13	35.3	6.86	34.5	6.49	32.9	6.23	31.4	5.70
		154.0	39.4	7.48	37.3	7.07	35.3	6.80	34.5	6.49	32.9	6.23	31.4	5.70
		192.5	39.4	7.51	37.3	7.10	35.3	6.83	34.5	6.52	32.9	6.18	31.4	5.71
		231.0	39.4	7.52	37.3	7.11	35.3	6.85	34.5	6.54	32.9	6.16	31.4	5.72
	15	61.6	39.4	6.90	37.3	6.48	35.3	6.20	34.5	5.86	32.9	5.59	31.4	5.16
		77.0	39.4	6.83	37.3	6.41	35.3	6.13	34.5	5.83	32.9	5.55	31.4	5.12
		154.0	39.4	6.55	37.3	6.13	35.3	5.83	34.5	5.70	32.9	5.40	31.4	4.98
		192.5	39.4	6.55	37.3	6.13	35.3	5.83	34.5	5.70	32.9	5.27	31.4	4.98
		231.0	39.4	6.55	37.3	6.13	35.3	5.83	34.5	5.70	32.9	5.20	31.4	4.98
	20	61.6	39.4	5.74	37.3	5.44	35.3	5.31	34.5	5.16	32.9	4.88	31.4	4.58
		77.0	39.4	5.70	37.3	5.40	35.3	5.27	34.5	5.12	32.9	4.84	31.4	4.55
		154.0	39.4	5.55	37.3	5.27	35.3	5.12	34.5	4.98	32.9	4.70	31.4	4.42
		192.5	39.4	5.55	37.3	5.27	35.3	5.12	34.5	4.84	32.9	4.70	31.4	4.27
		231.0	39.4	5.55	37.3	5.27	35.3	5.12	34.5	4.78	32.9	4.70	31.4	4.20
	25	61.6	39.4	5.16	37.3	4.88	35.3	4.58	34.5	4.45	32.9	4.12	31.4	3.84
		77.0	39.4	5.12	37.3	4.84	35.3	4.55	34.5	4.42	32.9	4.12	31.4	3.84
		154.0	39.4	4.98	37.3	4.70	35.3	4.42	34.5	4.27	32.9	4.12	31.4	3.84
		192.5	39.4	4.84	37.3	4.55	35.3	4.42	34.5	4.27	32.9	3.99	31.4	3.84
		231.0	39.4	4.78	37.3	4.48	35.3	4.42	34.5	4.27	32.9	3.92	31.4	3.84
	30	61.6	39.4	4.58	37.3	4.31	35.3	4.03	34.5	3.84	32.9	3.73	31.4	3.42
		77.0	39.4	4.55	37.3	4.27	35.3	3.99	34.5	3.84	32.9	3.70	31.4	3.42
		154.0	39.4	4.42	37.3	4.12	35.3	3.84	34.5	3.84	32.9	3.56	31.4	3.42
		192.5	39.4	4.42	37.3	4.12	35.3	3.84	34.5	3.70	32.9	3.56	31.4	3.42
		231.0	39.4	4.42	37.3	4.12	35.3	3.84	34.5	3.62	32.9	3.56	31.4	3.42
	35	61.6	39.4	4.16	37.3	3.88	35.3	3.56	34.5	3.60	32.9	3.27	31.4	3.17
		77.0	39.4	4.12	37.3	3.84	35.3	3.56	34.5	3.56	32.9	3.27	31.4	3.14
		154.0	39.4	3.99	37.3	3.70	35.3	3.56	34.5	3.42	32.9	3.27	31.4	2.99
		192.5	39.4	3.99	37.3	3.70	35.3	3.42	34.5	3.42	32.9	3.27	31.4	2.99
		231.0	39.4	3.99	37.3	3.70	35.3	3.34	34.5	3.42	32.9	3.27	31.4	2.99
	40	61.6	39.4	3.88	37.3	3.60	35.3	3.30	34.5	3.14	32.9	2.99	31.4	2.88
		77.0	39.4	3.84	37.3	3.56	35.3	3.27	34.5	3.14	32.9	2.99	31.4	2.84
		154.0	39.4	3.70	37.3	3.42	35.3	3.14	34.5	3.14	32.9	2.99	31.4	2.71
		192.5	39.4	3.70	37.3	3.42	35.3	3.14	34.5	2.99	32.9	2.84	31.4	2.71
		231.0	39.4	3.70	37.3	3.42	35.3	3.14	34.5	2.91	32.9	2.77	31.4	2.71
	45	61.6	39.4	3.60	37.3	3.30	35.3	3.06	34.5	2.68	32.9	2.71	31.4	2.60
		77.0	39.4	3.56	37.3	3.27	35.3	2.99	34.5	2.71	32.9	2.71	31.4	2.56
		154.0	39.4	3.42	37.3	3.14	35.3	2.71	34.5	2.84	32.9	2.71	31.4	2.41
		192.5	39.4	3.42	37.3	3.14	35.3	2.84	34.5	2.56	32.9	2.41	31.4	2.41
		231.0	39.4	3.42	37.3	3.14	35.3	2.91	34.5	2.42	32.9	2.27	31.4	2.41
60	-5	61.6	13.5	4.18	12.7	4.02	12.0	3.86	11.9	3.59	11.8	3.53	11.6	3.15
		77.0	14.0	4.27	13.1	4.11	12.4	3.95	12.3	3.67	12.2	3.61	12.0	3.22
		154.0	15.9	4.64	14.9	4.46	14.1	4.28	13.9	3.98	13.9	3.92	13.6	3.50
		192.5	17.5	4.99	16.4	4.81	15.6	4.62	15.4	4.30	15.3	4.23	15.0	3.77
		231.0	18.4	5.17	17.2	4.99	16.3	4.79	16.1	4.46	16.1	4.38	15.7	3.90

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	61.6	24.2	6.12	22.3	5.90	20.8	5.65	20.4	5.26	20.1	5.18	19.4	4.63
		77.0	24.4	6.14	22.5	5.92	21.0	5.67	20.5	5.27	20.3	5.20	19.5	4.64
		154.0	24.9	6.21	23.0	5.98	21.5	5.74	21.0	5.33	20.7	5.26	19.9	4.68
		192.5	25.3	6.21	23.3	5.98	21.8	5.74	21.3	5.33	21.1	5.26	20.3	4.68
		231.0	25.5	6.21	23.5	5.98	22.0	5.74	21.5	5.33	21.2	5.26	20.4	4.68
	5	61.6	33.5	6.67	31.6	6.42	30.3	6.15	29.5	5.73	28.3	5.64	26.9	5.02
		77.0	33.6	6.70	31.6	6.45	30.3	6.18	29.5	5.76	28.3	5.67	26.9	5.05
		154.0	33.9	6.83	31.9	6.58	30.3	6.32	29.5	5.87	28.3	5.79	26.9	5.15
		192.5	33.9	6.89	31.8	6.63	30.3	6.36	29.5	5.92	28.3	5.82	26.9	5.20
		231.0	33.9	6.92	31.8	6.65	30.3	6.38	29.5	5.94	28.3	5.83	26.9	5.22
	10	61.6	33.7	6.13	31.7	5.86	30.3	5.58	29.5	5.21	28.3	5.11	26.9	4.58
		77.0	33.7	6.13	31.7	5.86	30.3	5.58	29.5	5.23	28.3	5.11	26.9	4.59
		154.0	33.9	6.13	31.9	5.86	30.3	5.58	29.5	5.29	28.3	5.09	26.9	4.64
		192.5	33.9	6.14	31.8	5.80	30.3	5.52	29.5	5.23	28.3	5.05	26.9	4.59
		231.0	33.9	6.15	31.8	5.77	30.3	5.49	29.5	5.20	28.3	5.03	26.9	4.57
	15	61.6	33.9	5.59	31.8	5.31	30.3	5.01	29.5	4.70	28.3	4.58	26.9	4.12
		77.0	33.9	5.55	31.8	5.27	30.3	4.98	29.5	4.70	28.3	4.55	26.9	4.12
		154.0	33.9	5.40	31.8	5.12	30.3	4.84	29.5	4.70	28.3	4.42	26.9	4.12
		192.5	33.9	5.40	31.8	4.98	30.3	4.70	29.5	4.55	28.3	4.27	26.9	3.99
		231.0	33.9	5.40	31.8	4.90	30.3	4.62	29.5	4.48	28.3	4.20	26.9	3.92
	20	61.6	33.9	4.88	31.8	4.58	30.3	4.31	29.5	4.16	28.3	4.03	26.9	3.73
		77.0	33.9	4.84	31.8	4.55	30.3	4.27	29.5	4.12	28.3	3.99	26.9	3.70
		154.0	33.9	4.70	31.8	4.42	30.3	4.12	29.5	3.99	28.3	3.84	26.9	3.56
		192.5	33.9	4.70	31.8	4.42	30.3	4.12	29.5	3.99	28.3	3.84	26.9	3.56
		231.0	33.9	4.70	31.8	4.42	30.3	4.12	29.5	3.99	28.3	3.84	26.9	3.56
	25	61.6	33.9	4.31	31.8	4.03	30.3	3.70	29.5	3.73	28.3	3.42	26.9	3.30
		77.0	33.9	4.27	31.8	3.99	30.3	3.70	29.5	3.70	28.3	3.42	26.9	3.27
		154.0	33.9	4.12	31.8	3.84	30.3	3.70	29.5	3.56	28.3	3.42	26.9	3.14
		192.5	33.9	4.12	31.8	3.84	30.3	3.56	29.5	3.56	28.3	3.42	26.9	3.14
		231.0	33.9	4.12	31.8	3.84	30.3	3.50	29.5	3.56	28.3	3.42	26.9	3.14
	30	61.6	33.9	3.88	31.8	3.60	30.3	3.45	29.5	3.30	28.3	3.17	26.9	3.03
		77.0	33.9	3.84	31.8	3.56	30.3	3.42	29.5	3.27	28.3	3.14	26.9	2.99
		154.0	33.9	3.70	31.8	3.42	30.3	3.27	29.5	3.14	28.3	2.99	26.9	2.84
		192.5	33.9	3.70	31.8	3.42	30.3	3.27	29.5	3.14	28.3	2.99	26.9	2.84
		231.0	33.9	3.70	31.8	3.42	30.3	3.27	29.5	3.14	28.3	2.99	26.9	2.84
	35	61.6	33.9	3.42	31.8	3.30	30.3	2.99	29.5	3.03	28.3	2.88	26.9	2.75
		77.0	33.9	3.42	31.8	3.27	30.3	2.99	29.5	2.99	28.3	2.84	26.9	2.71
		154.0	33.9	3.42	31.8	3.14	30.3	2.99	29.5	2.84	28.3	2.71	26.9	2.56
		192.5	33.9	3.42	31.8	3.14	30.3	2.84	29.5	2.84	28.3	2.71	26.9	2.56
		231.0	33.9	3.42	31.8	3.14	30.3	2.77	29.5	2.84	28.3	2.71	26.9	2.56
	40	61.6	33.9	3.14	31.8	3.03	30.3	2.71	29.5	2.75	28.3	2.60	26.9	2.41
		77.0	33.9	3.14	31.8	2.99	30.3	2.71	29.5	2.71	28.3	2.56	26.9	2.41
		154.0	33.9	3.14	31.8	2.84	30.3	2.71	29.5	2.56	28.3	2.41	26.9	2.41
		192.5	33.9	3.14	31.8	2.84	30.3	2.71	29.5	2.56	28.3	2.41	26.9	2.41
		231.0	33.9	3.14	31.8	2.84	30.3	2.71	29.5	2.56	28.3	2.41	26.9	2.41
	45	61.6	33.9	2.84	31.8	2.75	30.3	2.41	29.5	2.45	28.3	2.32	26.9	2.10
		77.0	33.9	2.84	31.8	2.71	30.3	2.41	29.5	2.41	28.3	2.28	26.9	2.14
		154.0	33.9	2.84	31.8	2.56	30.3	2.41	29.5	2.28	28.3	2.14	26.9	2.28
		192.5	33.9	2.84	31.8	2.56	30.3	2.56	29.5	2.28	28.3	2.14	26.9	2.28
		231.0	33.9	2.84	31.8	2.56	30.3	2.64	29.5	2.28	28.3	2.14	26.9	2.28
50	-5	61.6	11.3	3.33	10.6	3.15	10.0	2.98	9.9	2.82	9.8	2.65	9.7	2.51
		77.0	11.7	3.40	11.0	3.22	10.4	3.05	10.2	2.89	10.2	2.71	10.0	2.56
		154.0	13.2	3.68	12.4	3.50	11.7	3.30	11.6	3.14	11.5	2.94	11.3	2.77
		192.5	14.6	3.98	13.7	3.77	12.9	3.56	12.8	3.39	12.7	3.17	12.5	2.99
		231.0	15.3	4.12	14.4	3.90	13.6	3.70	13.4	3.51	13.3	3.28	13.1	3.10
	0	61.6	20.1	4.88	18.6	4.63	17.3	4.36	17.0	4.14	16.7	3.89	16.1	3.67
		77.0	20.3	4.89	18.8	4.64	17.4	4.37	17.1	4.15	16.8	3.90	16.2	3.68
		154.0	20.7	4.93	19.2	4.68	17.9	4.43	17.5	4.21	17.3	3.95	16.6	3.73
		192.5	21.1	4.93	19.5	4.68	18.1	4.43	17.8	4.21	17.5	3.95	16.9	3.73
		231.0	21.2	4.93	19.6	4.68	18.2	4.43	17.9	4.21	17.6	3.95	17.0	3.73
	5	61.6	27.8	5.30	26.4	5.02	25.2	4.74	24.6	4.51	23.5	4.24	22.4	3.98
		77.0	27.9	5.33	26.4	5.05	25.2	4.77	24.6	4.54	23.5	4.26	22.4	4.00
		154.0	28.1	5.43	26.6	5.15	25.2	4.87	24.6	4.62	23.5	4.33	22.4	4.09
		192.5	28.1	5.48	26.6	5.20	25.2	4.90	24.6	4.65	23.5	4.37	22.4	4.12
		231.0	28.1	5.50	26.6	5.22	25.2	4.92	24.6	4.67	23.5	4.40	22.4	4.14

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(16HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	61.6	28.0	4.88	26.5	4.60	25.2	4.32	24.6	4.13	23.5	3.82	22.4	3.64
		77.0	28.0	4.87	26.5	4.59	25.2	4.31	24.6	4.12	23.5	3.83	22.4	3.64
		154.0	28.1	4.84	26.6	4.58	25.2	4.28	24.6	4.09	23.5	3.87	22.4	3.61
		192.5	28.1	4.87	26.6	4.59	25.2	4.30	24.6	4.11	23.5	3.81	22.4	3.62
		231.0	28.1	4.89	26.6	4.60	25.2	4.31	24.6	4.12	23.5	3.78	22.4	3.63
	15	61.6	28.1	4.45	26.6	4.16	25.2	3.88	24.6	3.73	23.5	3.42	22.4	3.30
		77.0	28.1	4.42	26.6	4.12	25.2	3.84	24.6	3.70	23.5	3.42	22.4	3.27
		154.0	28.1	4.27	26.6	3.99	25.2	3.70	24.6	3.56	23.5	3.42	22.4	3.14
		192.5	28.1	4.27	26.6	3.99	25.2	3.70	24.6	3.56	23.5	3.27	22.4	3.14
		231.0	28.1	4.27	26.6	3.99	25.2	3.70	24.6	3.56	23.5	3.19	22.4	3.14
	20	61.6	28.1	3.88	26.6	3.60	25.2	3.45	24.6	3.30	23.5	3.17	22.4	2.84
		77.0	28.1	3.84	26.6	3.56	25.2	3.42	24.6	3.27	23.5	3.14	22.4	2.84
		154.0	28.1	3.70	26.6	3.42	25.2	3.27	24.6	3.14	23.5	2.99	22.4	2.84
		192.5	28.1	3.70	26.6	3.42	25.2	3.27	24.6	3.14	23.5	2.99	22.4	2.84
		231.0	28.1	3.70	26.6	3.42	25.2	3.27	24.6	3.14	23.5	2.99	22.4	2.84
	25	61.6	28.1	3.45	26.6	3.14	25.2	3.03	24.6	2.84	23.5	2.71	22.4	2.56
		77.0	28.1	3.42	26.6	3.14	25.2	2.99	24.6	2.84	23.5	2.71	22.4	2.56
		154.0	28.1	3.27	26.6	3.14	25.2	2.84	24.6	2.84	23.5	2.71	22.4	2.56
		192.5	28.1	3.27	26.6	3.14	25.2	2.84	24.6	2.84	23.5	2.71	22.4	2.56
		231.0	28.1	3.27	26.6	3.14	25.2	2.84	24.6	2.84	23.5	2.71	22.4	2.56
	30	61.6	28.1	3.17	26.6	2.88	25.2	2.75	24.6	2.56	23.5	2.60	22.4	2.45
		77.0	28.1	3.14	26.6	2.84	25.2	2.71	24.6	2.56	23.5	2.56	22.4	2.41
		154.0	28.1	2.99	26.6	2.71	25.2	2.56	24.6	2.56	23.5	2.41	22.4	2.28
		192.5	28.1	2.99	26.6	2.71	25.2	2.56	24.6	2.56	23.5	2.41	22.4	2.28
		231.0	28.1	2.99	26.6	2.71	25.2	2.56	24.6	2.56	23.5	2.41	22.4	2.28
	35	61.6	28.1	2.88	26.6	2.56	25.2	2.41	24.6	2.45	23.5	2.28	22.4	2.14
		77.0	28.1	2.84	26.6	2.56	25.2	2.41	24.6	2.41	23.5	2.28	22.4	2.14
		154.0	28.1	2.71	26.6	2.56	25.2	2.41	24.6	2.28	23.5	2.28	22.4	2.14
		192.5	28.1	2.71	26.6	2.56	25.2	2.41	24.6	2.28	23.5	2.28	22.4	2.14
		231.0	28.1	2.71	26.6	2.56	25.2	2.41	24.6	2.28	23.5	2.28	22.4	2.14
	40	61.6	28.1	2.60	26.6	2.45	25.2	2.32	24.6	2.14	23.5	2.17	22.4	1.99
		77.0	28.1	2.56	26.6	2.41	25.2	2.28	24.6	2.14	23.5	2.14	22.4	1.99
		154.0	28.1	2.41	26.6	2.28	25.2	2.14	24.6	2.14	23.5	1.99	22.4	1.99
		192.5	28.1	2.41	26.6	2.28	25.2	2.14	24.6	2.14	23.5	1.99	22.4	1.99
		231.0	28.1	2.41	26.6	2.28	25.2	2.14	24.6	2.14	23.5	1.99	22.4	1.99
	45	61.6	28.1	2.32	26.6	2.36	25.2	2.21	24.6	1.82	23.5	2.06	22.4	1.86
		77.0	28.1	2.28	26.6	2.28	25.2	2.14	24.6	1.86	23.5	1.99	22.4	1.86
		154.0	28.1	2.14	26.6	1.99	25.2	1.86	24.6	1.99	23.5	1.71	22.4	1.86
		192.5	28.1	2.14	26.6	1.99	25.2	1.86	24.6	1.99	23.5	1.71	22.4	1.86
		231.0	28.1	2.14	26.6	1.99	25.2	1.86	24.6	1.99	23.5	1.71	22.4	1.86

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(18HP)

ARWN180LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	69.2	26.8	10.61	26.6	9.99	26.5	9.30	26.1	9.02	26.4	8.79	25.7	7.88
		86.5	27.7	10.79	27.5	10.18	27.4	9.50	27.0	9.22	27.3	8.98	26.6	8.05
		173.0	31.4	11.53	31.1	10.95	31.0	10.30	30.5	10.01	30.9	9.73	30.1	8.73
		216.3	34.7	12.26	34.4	11.70	34.2	11.11	33.8	10.81	34.2	10.50	33.3	9.41
		259.5	36.4	12.63	36.0	12.08	35.8	11.51	35.4	11.22	35.8	10.88	34.9	9.76
	0	69.2	47.9	14.51	46.8	14.08	45.8	13.62	44.8	13.23	45.0	12.87	42.9	11.53
		86.5	48.2	14.55	47.1	14.11	46.1	13.66	45.1	13.27	45.3	12.91	43.2	11.56
		173.0	49.4	14.71	48.2	14.25	47.2	13.82	46.2	13.43	46.3	13.05	44.3	11.70
		216.3	50.1	14.71	48.9	14.25	47.9	13.82	46.8	13.43	47.0	13.05	44.9	11.70
		259.5	50.5	14.71	49.3	14.25	48.3	13.82	47.2	13.43	47.3	13.05	45.2	11.70
	5	69.2	69.0	15.60	68.0	15.21	66.5	14.82	64.9	14.40	63.1	14.01	59.7	12.54
		86.5	69.3	15.67	68.1	15.28	66.6	14.90	64.9	14.48	63.1	14.08	59.7	12.61
		173.0	70.2	15.95	68.6	15.56	66.6	15.20	64.9	14.78	63.1	14.36	59.7	12.87
		216.3	70.6	16.05	68.8	15.67	66.6	15.30	64.9	14.88	63.1	14.46	59.7	12.96
		259.5	70.8	16.10	68.9	15.72	66.6	15.35	64.9	14.93	63.1	14.51	59.7	13.00
	10	69.2	69.1	14.19	68.0	13.71	66.3	13.46	64.6	13.16	62.9	12.71	59.4	11.47
		86.5	69.5	14.16	68.3	13.73	66.6	13.48	64.9	13.15	63.1	12.70	59.7	11.46
		173.0	71.2	14.06	69.6	13.78	67.7	13.59	65.9	13.13	64.1	12.66	60.6	11.42
		216.3	71.5	14.25	70.0	13.97	68.1	13.64	66.2	13.19	64.5	12.87	61.0	11.96
		259.5	71.7	14.35	70.3	14.07	68.3	13.67	66.4	13.21	64.7	12.98	61.2	12.24
	15	69.2	69.2	12.79	68.0	12.24	66.1	12.11	64.3	11.91	62.7	11.41	59.2	10.39
		86.5	69.8	12.66	68.5	12.19	66.6	12.09	64.9	11.82	63.1	11.32	59.7	10.30
		173.0	72.0	12.16	70.6	11.98	68.7	11.98	67.0	11.47	65.0	10.97	61.6	9.96
		216.3	72.4	12.45	71.3	12.26	69.6	11.98	67.7	11.47	65.9	11.28	62.3	10.97
		259.5	72.6	12.60	71.6	12.40	70.0	11.98	68.0	11.47	66.4	11.44	62.7	11.48
	20	69.2	71.8	11.73	70.5	11.19	68.7	10.94	66.8	10.59	64.8	10.36	61.0	10.04
		86.5	72.4	11.65	71.1	11.18	69.2	10.93	67.3	10.64	65.4	10.43	61.6	9.96
		173.0	74.7	11.32	73.4	11.14	71.3	10.90	69.4	10.81	67.7	10.71	63.8	9.62
		216.3	75.0	11.32	73.9	11.14	72.2	10.97	70.1	10.81	68.2	10.71	64.3	10.23
		259.5	75.2	11.32	74.2	11.14	72.6	11.00	70.4	10.81	68.5	10.71	64.6	10.54
	25	69.2	75.8	11.19	73.9	10.86	72.2	10.68	70.8	10.50	69.2	10.35	65.2	9.67
		86.5	75.8	11.14	73.9	10.85	72.2	10.64	70.8	10.46	69.2	10.30	65.2	9.62
		173.0	75.8	10.97	73.9	10.78	72.2	10.46	70.8	10.30	69.2	10.13	65.2	9.45
		216.3	75.8	10.81	73.9	10.50	72.2	10.30	70.8	10.13	69.2	9.96	65.2	9.29
		259.5	75.8	10.73	73.9	10.36	72.2	10.23	70.8	10.04	69.2	9.87	65.2	9.21
	30	69.2	75.8	10.90	73.9	10.36	72.2	10.26	70.8	10.00	69.2	9.89	65.2	9.20
		86.5	75.8	10.81	73.9	10.34	72.2	10.20	70.8	9.96	69.2	9.80	65.2	9.12
		173.0	75.8	10.46	73.9	10.27	72.2	9.96	70.8	9.80	69.2	9.45	65.2	8.79
		216.3	75.8	10.30	73.9	9.99	72.2	9.80	70.8	9.62	69.2	9.45	65.2	8.79
		259.5	75.8	10.23	73.9	9.85	72.2	9.72	70.8	9.54	69.2	9.45	65.2	8.79
	35	69.2	75.8	10.39	73.9	10.05	72.2	9.84	70.8	9.49	69.2	9.16	65.2	8.52
		86.5	75.8	10.30	73.9	9.99	72.2	9.80	70.8	9.45	69.2	9.12	65.2	8.44
		173.0	75.8	9.96	73.9	9.76	72.2	9.62	70.8	9.29	69.2	8.94	65.2	8.10
		216.3	75.8	9.96	73.9	9.66	72.2	9.45	70.8	9.12	69.2	8.79	65.2	8.10
		259.5	75.8	9.96	73.9	9.61	72.2	9.36	70.8	9.03	69.2	8.71	65.2	8.10
	40	69.2	75.8	10.04	73.9	9.72	72.2	9.53	70.8	9.20	69.2	8.87	65.2	8.01
		86.5	75.8	9.96	73.9	9.66	72.2	9.45	70.8	9.12	69.2	8.79	65.2	7.93
		173.0	75.8	9.62	73.9	9.41	72.2	9.12	70.8	8.79	69.2	8.44	65.2	7.60
		216.3	75.8	9.45	73.9	9.26	72.2	9.12	70.8	8.79	69.2	8.44	65.2	7.60
		259.5	75.8	9.36	73.9	9.18	72.2	9.12	70.8	8.79	69.2	8.44	65.2	7.60
	45	69.2	75.8	9.71	73.9	9.39	72.2	9.24	70.8	8.91	69.2	8.56	65.2	7.51
		86.5	75.8	9.62	73.9	9.33	72.2	9.12	70.8	8.79	69.2	8.44	65.2	7.42
		173.0	75.8	9.29	73.9	9.08	72.2	8.61	70.8	8.28	69.2	7.93	65.2	7.09
		216.3	75.8	8.94	73.9	8.86	72.2	8.79	70.8	8.44	69.2	8.10	65.2	7.09
		259.5	75.8	8.77	73.9	8.74	72.2	8.87	70.8	8.52	69.2	8.19	65.2	7.09
120	-5	69.2	25.5	10.61	25.3	9.99	25.1	9.30	24.8	8.91	25.0	8.65	24.4	7.74
		86.5	26.4	10.79	26.2	10.18	26.0	9.50	25.7	9.10	25.9	8.84	25.2	7.91
		173.0	29.9	11.53	29.6	10.95	29.4	10.30	29.1	9.87	29.3	9.59	28.5	8.59
		216.3	33.0	12.26	32.7	11.70	32.5	11.11	32.1	10.65	32.4	10.34	31.5	9.26
		259.5	34.5	12.63	34.3	12.08	34.0	11.51	33.7	11.05	33.9	10.72	33.0	9.59
	0	69.2	45.6	14.51	44.5	14.08	43.5	13.62	42.6	13.04	42.6	12.68	40.7	11.33
		86.5	45.8	14.55	44.7	14.11	43.8	13.66	42.9	13.08	42.9	12.71	40.9	11.37
		173.0	46.9	14.71	45.8	14.25	44.8	13.82	43.9	13.24	43.9	12.85	41.9	11.51
		216.3	47.6	14.71	46.5	14.25	45.5	13.82	44.6	13.24	44.5	12.85	42.6	11.51
		259.5	48.0	14.71	46.9	14.25	45.9	13.82	44.9	13.24	44.8	12.85	42.9	11.51

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	69.2	65.7	15.60	64.7	15.21	63.3	14.82	61.8	14.19	59.8	13.80	56.5	12.36
		86.5	65.9	15.67	64.8	15.28	63.3	14.90	61.8	14.27	59.8	13.87	56.5	12.42
		173.0	66.9	15.95	65.3	15.56	63.3	15.20	61.8	14.57	59.8	14.15	56.5	12.66
		216.3	67.2	16.05	64.9	15.67	63.3	15.30	61.8	14.67	59.8	14.25	56.5	12.75
		259.5	67.4	16.10	64.7	15.72	63.3	15.35	61.8	14.72	59.8	14.30	56.5	12.79
	10	69.2	65.9	14.01	64.7	13.62	63.1	13.35	61.6	12.94	59.7	12.51	56.4	11.25
		86.5	66.2	14.06	65.0	13.68	63.3	13.40	61.8	12.96	59.8	12.51	56.5	11.27
		173.0	67.5	14.25	66.0	13.89	64.0	13.59	62.4	13.03	60.4	12.47	57.1	11.32
		216.3	67.8	14.20	65.8	13.89	64.2	13.64	62.7	13.08	60.7	12.52	57.4	11.70
		259.5	68.0	14.17	65.7	13.89	64.4	13.67	62.8	13.11	60.8	12.55	57.5	11.90
	15	69.2	66.1	12.43	64.8	12.06	62.9	11.87	61.4	11.69	59.5	11.23	56.2	10.17
		86.5	66.5	12.45	65.2	12.09	63.3	11.89	61.8	11.65	59.8	11.14	56.5	10.13
		173.0	68.0	12.56	66.8	12.19	64.7	11.98	63.1	11.47	61.0	10.81	57.8	9.96
		216.3	68.4	12.37	66.7	12.09	65.2	11.98	63.7	11.47	61.6	10.81	58.3	10.64
		259.5	68.6	12.27	66.7	12.03	65.5	11.98	63.9	11.47	61.8	10.81	58.5	10.98
	20	69.2	68.0	11.18	66.7	10.70	64.7	10.42	62.9	10.26	60.8	10.14	57.6	9.62
		86.5	68.4	11.18	67.1	10.74	65.0	10.46	63.3	10.30	61.2	10.13	57.9	9.59
		173.0	70.1	11.18	68.7	10.90	66.5	10.64	64.9	10.46	62.8	10.10	59.3	9.45
		216.3	70.5	11.07	68.6	10.81	67.0	10.64	65.2	10.46	63.1	10.13	59.7	9.80
		259.5	70.6	11.02	68.6	10.77	67.3	10.64	65.4	10.46	63.3	10.15	59.8	9.97
	25	69.2	71.3	10.57	69.2	10.08	67.0	9.89	65.6	9.67	63.8	9.49	60.3	8.83
		86.5	71.3	10.53	69.2	10.06	67.0	9.87	65.6	9.62	63.8	9.45	60.3	8.79
		173.0	71.5	10.37	69.2	9.99	67.0	9.80	65.6	9.45	63.8	9.29	60.3	8.61
		216.3	71.7	9.99	69.2	9.73	67.0	9.62	65.6	9.45	63.8	9.12	60.3	8.61
		259.5	71.8	9.80	69.2	9.60	67.0	9.54	65.6	9.45	63.8	9.03	60.3	8.61
	30	69.2	71.7	10.11	69.2	9.61	67.0	9.34	65.6	8.98	63.8	8.87	60.3	8.15
		86.5	71.7	10.03	69.2	9.55	67.0	9.29	65.6	8.94	63.8	8.79	60.3	8.10
		173.0	71.7	9.69	69.2	9.33	67.0	9.12	65.6	8.79	63.8	8.44	60.3	7.93
		216.3	71.7	9.38	69.2	9.12	67.0	8.94	65.6	8.79	63.8	8.44	60.3	7.77
		259.5	71.7	9.22	69.2	9.01	67.0	8.85	65.6	8.79	63.8	8.44	60.3	7.69
	35	69.2	71.7	9.66	69.2	9.13	67.0	8.87	65.6	8.52	63.8	8.19	60.3	7.46
		86.5	71.7	9.52	69.2	9.05	67.0	8.79	65.6	8.44	63.8	8.10	60.3	7.42
		173.0	71.7	8.98	69.2	8.72	67.0	8.44	65.6	8.10	63.8	7.77	60.3	7.27
		216.3	71.7	8.87	69.2	8.65	67.0	8.44	65.6	8.10	63.8	7.77	60.3	7.09
		259.5	71.7	8.82	69.2	8.61	67.0	8.44	65.6	8.10	63.8	7.77	60.3	7.00
	40	69.2	71.7	9.37	69.2	8.71	67.0	8.37	65.6	8.01	63.8	7.68	60.3	6.96
		86.5	71.7	9.19	69.2	8.61	67.0	8.28	65.6	7.93	63.8	7.60	60.3	6.92
		173.0	71.7	8.47	69.2	8.21	67.0	7.93	65.6	7.60	63.8	7.27	60.3	6.76
		216.3	71.7	8.37	69.2	8.10	67.0	7.93	65.6	7.60	63.8	7.27	60.3	6.58
		259.5	71.7	8.31	69.2	8.05	67.0	7.93	65.6	7.60	63.8	7.27	60.3	6.50
	45	69.2	71.7	9.08	69.2	8.29	67.0	7.86	65.6	7.51	63.8	7.17	60.3	6.45
		86.5	71.7	8.86	69.2	8.17	67.0	7.77	65.6	7.42	63.8	7.09	60.3	6.41
		173.0	71.7	7.96	69.2	7.70	67.0	7.42	65.6	7.09	63.8	6.76	60.3	6.25
		216.3	71.7	7.86	69.2	7.56	67.0	7.42	65.6	7.09	63.8	6.76	60.3	6.08
		259.5	71.7	7.81	69.2	7.49	67.0	7.42	65.6	7.09	63.8	6.76	60.3	5.99
110	-5	69.2	24.1	10.75	24.0	9.99	23.8	9.30	23.6	8.91	23.6	8.65	23.1	7.74
		86.5	24.9	10.93	24.8	10.18	24.6	9.50	24.4	9.10	24.4	8.84	23.9	7.91
		173.0	28.2	11.67	28.1	10.95	27.9	10.30	27.6	9.87	27.6	9.59	27.1	8.59
		216.3	31.2	12.42	31.0	11.70	30.8	11.11	30.5	10.65	30.5	10.34	29.9	9.26
		259.5	32.7	12.80	32.4	12.08	32.3	11.51	31.9	11.05	31.9	10.72	31.3	9.59
	0	69.2	43.1	14.71	42.2	14.08	41.3	13.62	40.5	13.04	40.1	12.68	38.6	11.33
		86.5	43.4	14.74	42.4	14.11	41.5	13.66	40.7	13.08	40.3	12.71	38.8	11.37
		173.0	44.4	14.88	43.4	14.25	42.5	13.82	41.7	13.24	41.3	12.85	39.7	11.51
		216.3	45.0	14.88	44.1	14.25	43.1	13.82	42.3	13.24	41.9	12.85	40.3	11.51
		259.5	45.4	14.88	44.4	14.25	43.5	13.82	42.6	13.24	42.3	12.85	40.6	11.51
	5	69.2	62.9	15.81	61.4	15.21	60.0	14.82	58.6	14.19	56.3	13.80	53.6	12.36
		86.5	63.1	15.88	61.5	15.28	60.0	14.90	58.6	14.27	56.3	13.87	53.6	12.42
		173.0	63.9	16.16	62.0	15.56	60.0	15.20	58.6	14.57	56.3	14.15	53.6	12.66
		216.3	64.3	16.26	62.1	15.67	60.0	15.30	58.6	14.67	56.3	14.25	53.6	12.75
		259.5	64.5	16.31	62.2	15.72	60.0	15.35	58.6	14.72	56.3	14.30	53.6	12.79
	10	69.2	63.1	14.17	61.6	13.69	59.9	13.39	58.5	12.94	56.2	12.51	53.5	11.25
		86.5	63.3	14.20	61.7	13.73	60.0	13.43	58.6	12.96	56.3	12.51	53.6	11.27
		173.0	64.3	14.30	62.3	13.89	60.3	13.59	59.0	13.03	56.7	12.47	53.9	11.32
		216.3	64.7	14.30	62.6	13.89	60.6	13.55	59.1	12.99	56.8	12.52	54.0	11.44
		259.5	64.9	14.30	62.7	13.89	60.7	13.54	59.1	12.98	56.9	12.55	54.1	11.50

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	69.2	63.3	12.54	61.6	12.19	59.8	11.98	58.4	11.69	56.1	11.23	53.5	10.17
		86.5	63.6	12.52	61.9	12.19	60.0	11.98	58.6	11.65	56.3	11.14	53.6	10.13
		173.0	64.6	12.45	62.8	12.19	60.7	11.98	59.3	11.47	57.1	10.81	54.1	9.96
		216.3	65.0	12.37	63.1	12.09	61.0	11.82	59.5	11.32	57.2	10.81	54.4	10.13
		259.5	65.2	12.32	63.2	12.03	61.2	11.74	59.6	11.24	57.3	10.81	54.6	10.22
	20	69.2	64.5	10.82	62.7	10.57	60.7	10.30	59.1	10.13	56.9	9.84	53.9	9.20
		86.5	64.8	10.85	62.9	10.57	60.9	10.30	59.3	10.13	57.1	9.80	54.1	9.19
		173.0	66.2	10.93	63.8	10.57	61.6	10.30	60.2	10.13	57.8	9.62	55.0	9.12
		216.3	66.6	10.93	64.3	10.57	61.9	10.30	60.3	9.96	58.1	9.62	55.1	9.12
		259.5	66.7	10.93	64.6	10.57	62.1	10.30	60.4	9.87	58.2	9.62	55.2	9.12
	25	69.2	66.5	9.85	64.5	9.49	61.9	9.34	60.6	8.98	58.4	8.65	55.3	7.93
		86.5	66.6	9.83	64.5	9.45	61.9	9.29	60.6	8.94	58.4	8.61	55.3	7.93
		173.0	67.1	9.76	64.5	9.29	61.9	9.12	60.6	8.79	58.4	8.44	55.3	7.93
		216.3	67.5	9.76	64.5	9.33	61.9	8.94	60.6	8.79	58.4	8.28	55.3	7.77
		259.5	67.6	9.76	64.5	9.34	61.9	8.85	60.6	8.79	58.4	8.20	55.3	7.69
	30	69.2	67.5	8.98	64.5	8.65	61.9	8.32	60.6	8.15	58.4	7.64	55.3	7.14
		86.5	67.5	8.94	64.5	8.61	61.9	8.28	60.6	8.10	58.4	7.60	55.3	7.09
		173.0	67.5	8.79	64.5	8.44	61.9	8.10	60.6	7.93	58.4	7.42	55.3	6.92
		216.3	67.5	8.72	64.5	8.28	61.9	7.93	60.6	7.77	58.4	7.42	55.3	6.92
		259.5	67.5	8.68	64.5	8.20	61.9	7.84	60.6	7.69	58.4	7.42	55.3	6.92
	35	69.2	67.5	8.52	64.5	7.97	61.9	7.64	60.6	7.31	58.4	6.96	55.3	6.45
		86.5	67.5	8.44	64.5	7.93	61.9	7.60	60.6	7.27	58.4	6.92	55.3	6.41
		173.0	67.5	8.10	64.5	7.77	61.9	7.42	60.6	7.09	58.4	6.76	55.3	6.25
		216.3	67.5	7.89	64.5	7.60	61.9	7.27	60.6	7.09	58.4	6.76	55.3	6.25
		259.5	67.5	7.79	64.5	7.51	61.9	7.19	60.6	7.09	58.4	6.76	55.3	6.25
	40	69.2	67.5	8.01	64.5	7.68	61.9	7.17	60.6	6.80	58.4	6.45	55.3	5.94
		86.5	67.5	7.93	64.5	7.60	61.9	7.09	60.6	6.76	58.4	6.41	55.3	5.90
		173.0	67.5	7.60	64.5	7.27	61.9	6.76	60.6	6.58	58.4	6.25	55.3	5.75
		216.3	67.5	7.49	64.5	7.09	61.9	6.76	60.6	6.41	58.4	6.08	55.3	5.57
		259.5	67.5	7.44	64.5	7.00	61.9	6.76	60.6	6.32	58.4	5.99	55.3	5.48
	45	69.2	67.5	7.51	64.5	7.39	61.9	6.71	60.6	6.30	58.4	5.94	55.3	5.44
		86.5	67.5	7.42	64.5	7.27	61.9	6.58	60.6	6.25	58.4	5.90	55.3	5.40
		173.0	67.5	7.09	64.5	6.76	61.9	6.08	60.6	6.08	58.4	5.75	55.3	5.24
		216.3	67.5	7.09	64.5	6.58	61.9	6.25	60.6	5.75	58.4	5.40	55.3	4.89
		259.5	67.5	7.09	64.5	6.50	61.9	6.34	60.6	5.58	58.4	5.22	55.3	4.71
100	-5	69.2	22.8	10.75	22.6	10.13	22.5	9.30	22.3	8.91	22.1	8.51	21.7	7.74
		86.5	23.6	10.93	23.4	10.32	23.3	9.50	23.1	9.10	22.9	8.70	22.5	7.91
		173.0	26.7	11.67	26.5	11.09	26.4	10.30	26.1	9.87	25.9	9.45	25.5	8.59
		216.3	29.5	12.42	29.3	11.86	29.1	11.11	28.9	10.65	28.6	10.18	28.1	9.26
		259.5	30.9	12.80	30.7	12.25	30.5	11.51	30.2	11.05	30.0	10.55	29.4	9.59
	0	69.2	40.7	14.71	39.8	14.27	39.0	13.62	38.3	13.04	37.6	12.49	36.3	11.33
		86.5	41.0	14.74	40.1	14.30	39.2	13.66	38.6	13.08	37.9	12.52	36.6	11.37
		173.0	41.9	14.88	41.0	14.44	40.1	13.82	39.5	13.24	38.8	12.66	37.4	11.51
		216.3	42.6	14.88	41.7	14.44	40.8	13.82	40.0	13.24	39.3	12.66	38.0	11.51
		259.5	42.9	14.88	42.0	14.44	41.1	13.82	40.3	13.24	39.6	12.66	38.3	11.51
	5	69.2	60.1	15.81	58.1	15.42	56.6	14.82	55.5	14.19	52.8	13.59	50.4	12.36
		86.5	60.3	15.88	58.2	15.49	56.6	14.90	55.5	14.27	52.8	13.66	50.4	12.42
		173.0	61.2	16.16	58.7	15.77	56.7	15.20	55.5	14.57	52.8	13.94	50.4	12.66
		216.3	61.6	16.26	58.8	15.88	56.7	15.30	55.5	14.67	52.8	14.02	50.4	12.75
		259.5	61.7	16.31	58.9	15.93	56.7	15.35	55.5	14.72	52.8	14.07	50.4	12.79
	10	69.2	60.5	14.13	58.3	13.82	56.7	13.39	55.5	12.94	52.8	12.30	50.4	11.25
		86.5	60.6	14.20	58.4	13.87	56.7	13.43	55.5	12.96	52.8	12.31	50.4	11.27
		173.0	61.2	14.46	58.7	14.04	56.7	13.59	55.5	13.03	52.8	12.37	50.4	11.32
		216.3	61.6	14.41	59.0	14.04	56.7	13.55	55.5	12.99	52.8	12.33	50.4	11.27
		259.5	61.8	14.38	59.1	14.04	56.7	13.54	55.5	12.98	52.8	12.31	50.4	11.24
	15	69.2	60.8	12.46	58.6	12.25	56.7	11.98	55.5	11.69	52.8	11.01	50.4	10.17
		86.5	60.9	12.52	58.6	12.26	56.7	11.98	55.5	11.65	52.8	10.97	50.4	10.13
		173.0	61.2	12.77	58.8	12.30	56.7	11.98	55.5	11.47	52.8	10.81	50.4	9.96
		216.3	61.7	12.56	59.1	12.19	56.7	11.82	55.5	11.32	52.8	10.64	50.4	9.80
		259.5	62.0	12.45	59.2	12.14	56.7	11.74	55.5	11.24	52.8	10.55	50.4	9.72
	20	69.2	61.1	10.66	58.9	10.38	56.7	10.13	55.5	10.00	52.8	9.34	50.4	8.87
		86.5	61.3	10.71	58.9	10.39	56.7	10.13	55.5	9.96	52.8	9.29	50.4	8.79
		173.0	62.2	10.90	59.1	10.43	56.7	10.13	55.5	9.80	52.8	9.12	50.4	8.44
		216.3	62.6	10.71	59.6	10.34	56.7	9.96	55.5	9.62	52.8	8.94	50.4	8.28
		259.5	62.8	10.61	59.9	10.30	56.7	9.87	55.5	9.54	52.8	8.85	50.4	8.20

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	69.2	61.9	9.32	59.8	9.03	56.7	8.65	55.5	8.32	52.8	7.82	50.4	7.09
		86.5	62.1	9.33	59.8	8.98	56.7	8.61	55.5	8.28	52.8	7.77	50.4	7.09
		173.0	63.0	9.36	59.8	8.79	56.7	8.44	55.5	8.10	52.8	7.60	50.4	7.09
		216.3	63.3	9.15	59.8	8.72	56.7	8.28	55.5	7.93	52.8	7.60	50.4	6.92
		259.5	63.5	9.05	59.8	8.68	56.7	8.20	55.5	7.84	52.8	7.60	50.4	6.83
	30	69.2	63.3	8.48	59.8	7.82	56.7	7.28	55.5	7.14	52.8	6.58	50.4	6.30
		86.5	63.3	8.44	59.8	7.77	56.7	7.27	55.5	7.09	52.8	6.58	50.4	6.25
		173.0	63.3	8.28	59.8	7.60	56.7	7.20	55.5	6.92	52.8	6.58	50.4	6.08
		216.3	63.3	8.10	59.8	7.60	56.7	7.09	55.5	6.92	52.8	6.41	50.4	6.08
		259.5	63.3	8.02	59.8	7.60	56.7	7.04	55.5	6.92	52.8	6.32	50.4	6.08
	35	69.2	63.3	7.86	59.8	7.17	56.7	6.43	55.5	6.30	52.8	5.94	50.4	5.44
		86.5	63.3	7.77	59.8	7.09	56.7	6.41	55.5	6.25	52.8	5.90	50.4	5.40
		173.0	63.3	7.42	59.8	6.76	56.7	6.34	55.5	6.08	52.8	5.75	50.4	5.24
		216.3	63.3	7.42	59.8	6.76	56.7	6.25	55.5	6.08	52.8	5.75	50.4	5.24
		259.5	63.3	7.42	59.8	6.76	56.7	6.21	55.5	6.08	52.8	5.75	50.4	5.24
	40	69.2	63.3	7.35	59.8	6.67	56.7	5.76	55.5	5.62	52.8	5.28	50.4	4.93
		86.5	63.3	7.27	59.8	6.58	56.7	5.75	55.5	5.57	52.8	5.24	50.4	4.89
		173.0	63.3	6.92	59.8	6.25	56.7	5.68	55.5	5.40	52.8	5.07	50.4	4.73
		216.3	63.3	6.76	59.8	6.25	56.7	5.57	55.5	5.40	52.8	5.07	50.4	4.73
		259.5	63.3	6.68	59.8	6.25	56.7	5.52	55.5	5.40	52.8	5.07	50.4	4.73
	45	69.2	63.3	6.85	59.8	6.16	56.7	5.08	55.5	4.93	52.8	4.60	50.4	4.42
		86.5	63.3	6.76	59.8	6.08	56.7	5.07	55.5	4.89	52.8	4.56	50.4	4.38
		173.0	63.3	6.41	59.8	5.75	56.7	5.00	55.5	4.73	52.8	4.38	50.4	4.23
		216.3	63.3	6.08	59.8	5.75	56.7	4.89	55.5	4.73	52.8	4.38	50.4	4.23
		259.5	63.3	5.91	59.8	5.75	56.7	4.84	55.5	4.73	52.8	4.38	50.4	4.23
90	-5	69.2	21.5	9.98	20.9	9.08	20.2	7.98	20.1	7.60	19.9	7.33	19.6	6.58
		86.5	22.3	10.15	21.6	9.26	20.9	8.16	20.8	7.77	20.6	7.49	20.3	6.72
		173.0	25.2	10.83	24.4	9.94	23.7	8.86	23.5	8.44	23.4	8.14	22.9	7.30
		216.3	27.8	11.51	27.0	10.64	26.2	9.55	26.0	9.10	25.8	8.77	25.3	7.88
		259.5	29.2	11.85	28.2	10.99	27.4	9.91	27.2	9.43	27.0	9.08	26.5	8.17
	0	69.2	38.5	13.59	36.7	12.75	35.0	11.71	34.5	11.16	33.9	10.75	32.7	9.65
		86.5	38.7	13.62	36.9	12.78	35.2	11.74	34.7	11.20	34.1	10.78	32.9	9.68
		173.0	39.6	13.76	37.8	12.92	36.1	11.86	35.5	11.32	34.9	10.90	33.7	9.78
		216.3	40.2	13.76	38.3	12.92	36.7	11.86	36.0	11.32	35.5	10.90	34.2	9.78
		259.5	40.5	13.76	38.6	12.92	36.9	11.86	36.3	11.32	35.8	10.90	34.4	9.78
	5	69.2	54.4	14.59	52.6	13.77	51.0	12.74	49.9	12.15	47.7	11.69	45.4	10.50
		86.5	54.4	14.65	52.6	13.83	51.0	12.80	49.9	12.21	47.7	11.75	45.4	10.55
		173.0	54.6	14.92	52.4	14.09	51.0	13.05	49.9	12.45	47.7	12.00	45.4	10.76
		216.3	55.0	15.00	52.6	14.18	51.0	13.15	49.9	12.54	47.7	12.09	45.4	10.85
		259.5	55.1	15.05	52.7	14.23	51.0	13.20	49.9	12.58	47.7	12.13	45.4	10.89
	10	69.2	54.7	12.88	52.8	12.25	51.0	11.53	49.9	11.06	47.7	10.61	45.4	9.56
		86.5	54.6	12.89	52.7	12.26	51.0	11.54	49.9	11.07	47.7	10.60	45.4	9.57
		173.0	54.5	12.92	52.5	12.31	51.0	11.60	49.9	11.13	47.7	10.57	45.4	9.61
		216.3	54.9	12.89	52.6	12.28	51.0	11.56	49.9	11.09	47.7	10.60	45.4	9.64
		259.5	55.1	12.87	52.7	12.26	51.0	11.54	49.9	11.07	47.7	10.62	45.4	9.66
	15	69.2	54.9	11.15	53.0	10.75	51.0	10.35	49.9	10.00	47.7	9.53	45.4	8.65
		86.5	54.9	11.11	52.9	10.71	51.0	10.30	49.9	9.96	47.7	9.45	45.4	8.61
		173.0	54.5	10.93	52.5	10.53	51.0	10.13	49.9	9.80	47.7	9.12	45.4	8.44
		216.3	54.9	10.78	52.7	10.37	51.0	9.96	49.9	9.62	47.7	9.12	45.4	8.44
		259.5	55.0	10.70	52.8	10.30	51.0	9.87	49.9	9.54	47.7	9.12	45.4	8.44
	20	69.2	55.3	9.41	53.2	9.14	51.0	8.83	49.9	8.48	47.7	8.19	45.4	7.68
		86.5	55.2	9.41	53.1	9.12	51.0	8.79	49.9	8.44	47.7	8.10	45.4	7.60
		173.0	55.0	9.41	52.7	9.01	51.0	8.61	49.9	8.28	47.7	7.77	45.4	7.27
		216.3	55.2	9.26	52.8	8.94	51.0	8.61	49.9	8.28	47.7	7.77	45.4	7.27
		259.5	55.3	9.18	52.9	8.91	51.0	8.61	49.9	8.28	47.7	7.77	45.4	7.27
	25	69.2	56.2	8.23	53.9	7.79	51.0	7.46	49.9	7.09	47.7	6.80	45.4	6.30
		86.5	56.3	8.21	53.9	7.77	51.0	7.42	49.9	7.09	47.7	6.76	45.4	6.25
		173.0	56.9	8.14	53.9	7.70	51.0	7.27	49.9	7.09	47.7	6.58	45.4	6.08
		216.3	57.1	7.93	53.9	7.53	51.0	7.27	49.9	6.92	47.7	6.58	45.4	6.08
		259.5	57.2	7.82	53.9	7.44	51.0	7.27	49.9	6.83	47.7	6.58	45.4	6.08
	30	69.2	57.1	7.46	53.9	6.96	51.0	6.45	49.9	6.30	47.7	5.94	45.4	5.40
		86.5	57.1	7.42	53.9	6.92	51.0	6.41	49.9	6.25	47.7	5.90	45.4	5.40
		173.0	57.1	7.27	53.9	6.76	51.0	6.25	49.9	6.08	47.7	5.75	45.4	5.40
		216.3	57.1	7.09	53.9	6.58	51.0	6.25	49.9	6.08	47.7	5.75	45.4	5.24
		259.5	57.1	7.00	53.9	6.50	51.0	6.25	49.9	6.08	47.7	5.75	45.4	5.16

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	69.2	57.1	6.80	53.9	6.30	51.0	5.79	49.9	5.62	47.7	5.28	45.4	4.93
		86.5	57.1	6.76	53.9	6.25	51.0	5.75	49.9	5.57	47.7	5.24	45.4	4.89
		173.0	57.1	6.58	53.9	6.08	51.0	5.57	49.9	5.40	47.7	5.07	45.4	4.73
		216.3	57.1	6.41	53.9	5.90	51.0	5.40	49.9	5.24	47.7	5.07	45.4	4.73
		259.5	57.1	6.32	53.9	5.82	51.0	5.31	49.9	5.16	47.7	5.07	45.4	4.73
	40	69.2	57.1	6.34	53.9	5.79	51.0	5.11	49.9	4.93	47.7	4.78	45.4	4.42
		86.5	57.1	6.25	53.9	5.75	51.0	5.07	49.9	4.89	47.7	4.73	45.4	4.38
		173.0	57.1	5.90	53.9	5.57	51.0	4.89	49.9	4.73	47.7	4.56	45.4	4.23
		216.3	57.1	5.90	53.9	5.57	51.0	4.89	49.9	4.73	47.7	4.56	45.4	4.23
		259.5	57.1	5.90	53.9	5.57	51.0	4.89	49.9	4.73	47.7	4.56	45.4	4.23
	45	69.2	57.1	5.87	53.9	5.28	51.0	4.42	49.9	4.27	47.7	4.27	45.4	3.92
		86.5	57.1	5.75	53.9	5.24	51.0	4.38	49.9	4.23	47.7	4.23	45.4	3.88
		173.0	57.1	5.24	53.9	5.07	51.0	4.23	49.9	4.05	47.7	4.05	45.4	3.72
		216.3	57.1	5.40	53.9	5.24	51.0	4.38	49.9	4.23	47.7	4.05	45.4	3.72
		259.5	57.1	5.48	53.9	5.33	51.0	4.46	49.9	4.31	47.7	4.05	45.4	3.72
80	-5	69.2	20.4	7.11	19.1	6.84	18.1	6.55	17.8	6.33	17.7	6.03	17.4	5.56
		86.5	21.0	7.27	19.7	6.99	18.7	6.69	18.5	6.46	18.4	6.17	18.0	5.68
		173.0	23.8	7.89	22.3	7.58	21.1	7.25	20.9	7.00	20.8	6.69	20.4	6.15
		216.3	26.3	8.51	24.6	8.17	23.3	7.82	23.0	7.56	22.9	7.21	22.5	6.64
		259.5	27.6	8.81	25.8	8.47	24.4	8.12	24.1	7.84	24.0	7.48	23.5	6.88
	0	69.2	36.3	10.43	33.5	10.01	31.2	9.60	30.6	9.27	30.2	8.83	29.0	8.13
		86.5	36.6	10.46	33.7	10.04	31.4	9.62	30.8	9.29	30.4	8.86	29.2	8.16
		173.0	37.4	10.58	34.5	10.16	32.1	9.73	31.5	9.40	31.1	8.96	29.9	8.24
		216.3	38.0	10.58	35.0	10.16	32.6	9.73	32.0	9.40	31.6	8.96	30.4	8.24
		259.5	38.2	10.58	35.3	10.16	32.9	9.73	32.3	9.40	31.8	8.96	30.6	8.24
	5	69.2	50.3	11.34	47.4	10.92	45.3	10.42	44.4	10.08	42.5	9.61	40.3	8.84
		86.5	50.4	11.40	47.5	10.97	45.4	10.48	44.4	10.13	42.5	9.66	40.3	8.89
		173.0	50.8	11.65	47.9	11.18	45.4	10.71	44.4	10.34	42.5	9.85	40.3	9.08
		216.3	50.8	11.72	47.8	11.27	45.4	10.78	44.4	10.41	42.5	9.92	40.3	9.13
		259.5	50.8	11.75	47.8	11.31	45.4	10.81	44.4	10.44	42.5	9.96	40.3	9.16
	10	69.2	50.5	10.44	47.6	9.97	45.3	9.46	44.4	9.20	42.5	8.71	40.3	8.06
		86.5	50.6	10.43	47.7	9.96	45.4	9.47	44.4	9.20	42.5	8.72	40.3	8.07
		173.0	50.8	10.37	47.9	9.90	45.4	9.48	44.4	9.22	42.5	8.73	40.3	8.09
		216.3	50.8	10.34	47.8	9.94	45.4	9.52	44.4	9.17	42.5	8.68	40.3	8.03
		259.5	50.8	10.32	47.8	9.96	45.4	9.54	44.4	9.14	42.5	8.65	40.3	8.01
	15	69.2	50.8	9.53	47.8	9.03	45.4	8.48	44.4	8.32	42.5	7.82	40.3	7.31
		86.5	50.8	9.45	47.8	8.94	45.4	8.44	44.4	8.28	42.5	7.77	40.3	7.27
		173.0	50.8	9.12	47.8	8.61	45.4	8.28	44.4	8.10	42.5	7.60	40.3	7.09
		216.3	50.8	8.94	47.8	8.61	45.4	8.28	44.4	7.93	42.5	7.42	40.3	6.92
		259.5	50.8	8.85	47.8	8.61	45.4	8.28	44.4	7.84	42.5	7.33	40.3	6.83
	20	69.2	50.8	7.97	47.8	7.64	45.4	7.27	44.4	7.14	42.5	6.80	40.3	6.30
		86.5	50.8	7.93	47.8	7.60	45.4	7.27	44.4	7.09	42.5	6.76	40.3	6.25
		173.0	50.8	7.77	47.8	7.42	45.4	7.27	44.4	6.92	42.5	6.58	40.3	6.08
		216.3	50.8	7.60	47.8	7.27	45.4	7.09	44.4	6.92	42.5	6.41	40.3	6.08
		259.5	50.8	7.51	47.8	7.19	45.4	7.00	44.4	6.92	42.5	6.32	40.3	6.08
	25	69.2	50.8	7.14	47.8	6.63	45.4	6.25	44.4	6.12	42.5	5.79	40.3	5.44
		86.5	50.8	7.09	47.8	6.58	45.4	6.25	44.4	6.08	42.5	5.75	40.3	5.40
		173.0	50.8	6.92	47.8	6.41	45.4	6.25	44.4	5.90	42.5	5.57	40.3	5.24
		216.3	50.8	6.76	47.8	6.41	45.4	6.08	44.4	5.90	42.5	5.57	40.3	5.24
		259.5	50.8	6.68	47.8	6.41	45.4	5.99	44.4	5.90	42.5	5.57	40.3	5.24
	30	69.2	50.8	6.30	47.8	5.94	45.4	5.62	44.4	5.44	42.5	5.11	40.3	4.78
		86.5	50.8	6.25	47.8	5.90	45.4	5.57	44.4	5.40	42.5	5.07	40.3	4.73
		173.0	50.8	6.08	47.8	5.75	45.4	5.40	44.4	5.24	42.5	4.89	40.3	4.56
		216.3	50.8	6.08	47.8	5.75	45.4	5.40	44.4	5.24	42.5	4.89	40.3	4.56
		259.5	50.8	6.08	47.8	5.75	45.4	5.40	44.4	5.24	42.5	4.89	40.3	4.56
	35	69.2	50.8	5.79	47.8	5.44	45.4	4.93	44.4	4.73	42.5	4.60	40.3	4.23
		86.5	50.8	5.75	47.8	5.40	45.4	4.89	44.4	4.73	42.5	4.56	40.3	4.23
		173.0	50.8	5.57	47.8	5.24	45.4	4.73	44.4	4.73	42.5	4.38	40.3	4.23
		216.3	50.8	5.57	47.8	5.07	45.4	4.73	44.4	4.56	42.5	4.38	40.3	4.05
		259.5	50.8	5.57	47.8	4.98	45.4	4.73	44.4	4.47	42.5	4.38	40.3	3.96
	40	69.2	50.8	5.48	47.8	4.93	45.4	4.38	44.4	4.42	42.5	4.05	40.3	3.92
		86.5	50.8	5.40	47.8	4.89	45.4	4.38	44.4	4.38	42.5	4.05	40.3	3.88
		173.0	50.8	5.07	47.8	4.73	45.4	4.38	44.4	4.23	42.5	4.05	40.3	3.72
		216.3	50.8	5.07	47.8	4.73	45.4	4.23	44.4	4.23	42.5	4.05	40.3	3.72
		259.5	50.8	5.07	47.8	4.73	45.4	4.15	44.4	4.23	42.5	4.05	40.3	3.72

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	69.2	50.8	5.19	47.8	4.42	45.4	3.83	44.4	4.14	42.5	3.50	40.3	3.63
		86.5	50.8	5.07	47.8	4.38	45.4	3.88	44.4	4.05	42.5	3.55	40.3	3.55
		173.0	50.8	4.56	47.8	4.23	45.4	4.05	44.4	3.72	42.5	3.72	40.3	3.21
		216.3	50.8	4.56	47.8	4.38	45.4	3.72	44.4	3.88	42.5	3.72	40.3	3.37
		259.5	50.8	4.56	47.8	4.46	45.4	3.55	44.4	3.96	42.5	3.72	40.3	3.45
70	-5	69.2	17.7	6.10	16.7	5.81	15.8	5.62	15.6	5.30	15.5	5.11	15.3	4.65
		86.5	18.4	6.24	17.2	5.94	16.3	5.75	16.1	5.41	16.0	5.22	15.8	4.75
		173.0	20.8	6.76	19.5	6.44	18.4	6.24	18.2	5.87	18.1	5.66	17.8	5.15
		216.3	23.0	7.30	21.6	6.95	20.4	6.72	20.2	6.32	20.0	6.11	19.7	5.55
		259.5	24.1	7.57	22.6	7.21	21.3	6.97	21.2	6.55	21.0	6.34	20.6	5.76
	0	69.2	31.8	8.93	29.4	8.52	27.3	8.23	26.8	7.75	26.4	7.49	25.4	6.81
		86.5	32.0	8.96	29.5	8.54	27.4	8.26	27.0	7.77	26.5	7.51	25.6	6.83
		173.0	32.7	9.06	30.2	8.63	28.1	8.37	27.6	7.86	27.2	7.60	26.2	6.90
		216.3	33.2	9.06	30.7	8.63	28.5	8.37	28.0	7.86	27.6	7.60	26.6	6.90
		259.5	33.4	9.06	30.9	8.63	28.7	8.37	28.2	7.86	27.8	7.60	26.8	6.90
	5	69.2	43.9	9.73	41.6	9.26	39.6	8.96	38.8	8.45	37.0	8.15	35.3	7.40
		86.5	44.0	9.78	41.7	9.31	39.6	9.01	38.8	8.49	37.0	8.19	35.3	7.44
		173.0	44.4	9.97	42.0	9.50	39.7	9.20	38.8	8.65	37.0	8.37	35.3	7.60
		216.3	44.4	10.04	41.9	9.57	39.7	9.27	38.8	8.72	37.0	8.42	35.3	7.65
		259.5	44.4	10.08	41.9	9.61	39.7	9.31	38.8	8.75	37.0	8.44	35.3	7.68
	10	69.2	44.1	8.96	41.7	8.47	39.7	8.16	38.8	7.70	37.0	7.39	35.3	6.76
		86.5	44.1	8.94	41.8	8.45	39.7	8.14	38.8	7.70	37.0	7.39	35.3	6.76
		173.0	44.4	8.87	41.9	8.38	39.7	8.07	38.8	7.70	37.0	7.39	35.3	6.76
		216.3	44.4	8.91	41.9	8.42	39.7	8.10	38.8	7.74	37.0	7.34	35.3	6.78
		259.5	44.4	8.93	41.9	8.44	39.7	8.12	38.8	7.75	37.0	7.31	35.3	6.79
	15	69.2	44.4	8.19	41.9	7.68	39.7	7.35	38.8	6.96	37.0	6.63	35.3	6.12
		86.5	44.4	8.10	41.9	7.60	39.7	7.27	38.8	6.92	37.0	6.58	35.3	6.08
		173.0	44.4	7.77	41.9	7.27	39.7	6.92	38.8	6.76	37.0	6.41	35.3	5.90
		216.3	44.4	7.77	41.9	7.27	39.7	6.92	38.8	6.76	37.0	6.25	35.3	5.90
		259.5	44.4	7.77	41.9	7.27	39.7	6.92	38.8	6.76	37.0	6.17	35.3	5.90
	20	69.2	44.4	6.80	41.9	6.45	39.7	6.30	38.8	6.12	37.0	5.79	35.3	5.44
		86.5	44.4	6.76	41.9	6.41	39.7	6.25	38.8	6.08	37.0	5.75	35.3	5.40
		173.0	44.4	6.58	41.9	6.25	39.7	6.08	38.8	5.90	37.0	5.57	35.3	5.24
		216.3	44.4	6.58	41.9	6.25	39.7	6.08	38.8	5.75	37.0	5.57	35.3	5.07
		259.5	44.4	6.58	41.9	6.25	39.7	6.08	38.8	5.67	37.0	5.57	35.3	4.98
	25	69.2	44.4	6.12	41.9	5.79	39.7	5.44	38.8	5.28	37.0	4.89	35.3	4.56
		86.5	44.4	6.08	41.9	5.75	39.7	5.40	38.8	5.24	37.0	4.89	35.3	4.56
		173.0	44.4	5.90	41.9	5.57	39.7	5.24	38.8	5.07	37.0	4.89	35.3	4.56
		216.3	44.4	5.75	41.9	5.40	39.7	5.24	38.8	5.07	37.0	4.73	35.3	4.56
		259.5	44.4	5.67	41.9	5.31	39.7	5.24	38.8	5.07	37.0	4.65	35.3	4.56
	30	69.2	44.4	5.44	41.9	5.11	39.7	4.78	38.8	4.56	37.0	4.42	35.3	4.05
		86.5	44.4	5.40	41.9	5.07	39.7	4.73	38.8	4.56	37.0	4.38	35.3	4.05
		173.0	44.4	5.24	41.9	4.89	39.7	4.56	38.8	4.56	37.0	4.23	35.3	4.05
		216.3	44.4	5.24	41.9	4.89	39.7	4.56	38.8	4.38	37.0	4.23	35.3	4.05
		259.5	44.4	5.24	41.9	4.89	39.7	4.56	38.8	4.30	37.0	4.23	35.3	4.05
	35	69.2	44.4	4.93	41.9	4.60	39.7	4.23	38.8	4.27	37.0	3.88	35.3	3.76
		86.5	44.4	4.89	41.9	4.56	39.7	4.23	38.8	4.23	37.0	3.88	35.3	3.72
		173.0	44.4	4.73	41.9	4.38	39.7	4.23	38.8	4.05	37.0	3.88	35.3	3.55
		216.3	44.4	4.73	41.9	4.38	39.7	4.05	38.8	4.05	37.0	3.88	35.3	3.55
		259.5	44.4	4.73	41.9	4.38	39.7	3.96	38.8	4.05	37.0	3.88	35.3	3.55
	40	69.2	44.4	4.60	41.9	4.27	39.7	3.92	38.8	3.72	37.0	3.55	35.3	3.41
		86.5	44.4	4.56	41.9	4.23	39.7	3.88	38.8	3.72	37.0	3.55	35.3	3.37
		173.0	44.4	4.38	41.9	4.05	39.7	3.72	38.8	3.72	37.0	3.55	35.3	3.21
		216.3	44.4	4.38	41.9	4.05	39.7	3.72	38.8	3.55	37.0	3.37	35.3	3.21
		259.5	44.4	4.38	41.9	4.05	39.7	3.72	38.8	3.46	37.0	3.28	35.3	3.21
	45	69.2	44.4	4.27	41.9	3.92	39.7	3.63	38.8	3.17	37.0	3.21	35.3	3.08
		86.5	44.4	4.23	41.9	3.88	39.7	3.55	38.8	3.21	37.0	3.21	35.3	3.04
		173.0	44.4	4.05	41.9	3.72	39.7	3.21	38.8	3.37	37.0	3.21	35.3	2.86
		216.3	44.4	4.05	41.9	3.72	39.7	3.37	38.8	3.04	37.0	2.86	35.3	2.86
		259.5	44.4	4.05	41.9	3.72	39.7	3.45	38.8	2.87	37.0	2.69	35.3	2.86
60	-5	69.2	15.2	4.95	14.3	4.77	13.5	4.58	13.4	4.26	13.3	4.19	13.0	3.74
		86.5	15.8	5.07	14.8	4.87	14.0	4.68	13.8	4.35	13.8	4.28	13.5	3.82
		173.0	17.9	5.50	16.7	5.29	15.8	5.08	15.7	4.72	15.6	4.65	15.3	4.16
		216.3	19.7	5.92	18.5	5.71	17.5	5.48	17.3	5.10	17.2	5.01	16.9	4.47
		259.5	20.7	6.13	19.3	5.92	18.4	5.69	18.1	5.29	18.1	5.20	17.7	4.63

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	69.2	27.3	7.26	25.1	7.00	23.4	6.70	23.0	6.24	22.7	6.15	21.8	5.49
		86.5	27.4	7.28	25.3	7.02	23.6	6.72	23.1	6.25	22.8	6.17	21.9	5.50
		173.0	28.1	7.37	25.8	7.09	24.2	6.81	23.6	6.32	23.3	6.24	22.4	5.55
		216.3	28.5	7.37	26.3	7.09	24.5	6.81	24.0	6.32	23.7	6.24	22.8	5.55
		259.5	28.7	7.37	26.5	7.09	24.7	6.81	24.2	6.32	23.9	6.24	23.0	5.55
	5	69.2	37.7	7.91	35.5	7.61	34.1	7.30	33.2	6.79	31.8	6.69	30.3	5.96
		86.5	37.8	7.95	35.6	7.65	34.1	7.34	33.2	6.83	31.8	6.72	30.3	5.99
		173.0	38.1	8.10	35.9	7.81	34.1	7.49	33.2	6.97	31.8	6.86	30.3	6.11
		216.3	38.1	8.17	35.8	7.86	34.1	7.55	33.2	7.02	31.8	6.90	30.3	6.17
		259.5	38.1	8.21	35.8	7.89	34.1	7.57	33.2	7.05	31.8	6.92	30.3	6.19
	10	69.2	37.9	7.27	35.7	6.95	34.1	6.62	33.2	6.18	31.8	6.06	30.3	5.44
		86.5	37.9	7.27	35.7	6.95	34.1	6.62	33.2	6.20	31.8	6.06	30.3	5.45
		173.0	38.1	7.27	35.9	6.95	34.1	6.62	33.2	6.27	31.8	6.04	30.3	5.50
		216.3	38.1	7.28	35.8	6.88	34.1	6.55	33.2	6.20	31.8	5.99	30.3	5.45
		259.5	38.1	7.29	35.8	6.85	34.1	6.51	33.2	6.17	31.8	5.96	30.3	5.42
	15	69.2	38.1	6.63	35.8	6.30	34.1	5.94	33.2	5.57	31.8	5.44	30.3	4.89
		86.5	38.1	6.58	35.8	6.25	34.1	5.90	33.2	5.57	31.8	5.40	30.3	4.89
		173.0	38.1	6.41	35.8	6.08	34.1	5.75	33.2	5.57	31.8	5.24	30.3	4.89
		216.3	38.1	6.41	35.8	5.90	34.1	5.57	33.2	5.40	31.8	5.07	30.3	4.73
		259.5	38.1	6.41	35.8	5.82	34.1	5.48	33.2	5.31	31.8	4.98	30.3	4.65
	20	69.2	38.1	5.79	35.8	5.44	34.1	5.11	33.2	4.93	31.8	4.78	30.3	4.42
		86.5	38.1	5.75	35.8	5.40	34.1	5.07	33.2	4.89	31.8	4.73	30.3	4.38
		173.0	38.1	5.57	35.8	5.24	34.1	4.89	33.2	4.73	31.8	4.56	30.3	4.23
		216.3	38.1	5.57	35.8	5.24	34.1	4.89	33.2	4.73	31.8	4.56	30.3	4.23
		259.5	38.1	5.57	35.8	5.24	34.1	4.89	33.2	4.73	31.8	4.56	30.3	4.23
	25	69.2	38.1	5.11	35.8	4.78	34.1	4.38	33.2	4.42	31.8	4.05	30.3	3.92
		86.5	38.1	5.07	35.8	4.73	34.1	4.38	33.2	4.38	31.8	4.05	30.3	3.88
		173.0	38.1	4.89	35.8	4.56	34.1	4.38	33.2	4.23	31.8	4.05	30.3	3.72
		216.3	38.1	4.89	35.8	4.56	34.1	4.23	33.2	4.23	31.8	4.05	30.3	3.72
		259.5	38.1	4.89	35.8	4.56	34.1	4.15	33.2	4.23	31.8	4.05	30.3	3.72
	30	69.2	38.1	4.60	35.8	4.27	34.1	4.10	33.2	3.92	31.8	3.76	30.3	3.59
		86.5	38.1	4.56	35.8	4.23	34.1	4.05	33.2	3.88	31.8	3.72	30.3	3.55
		173.0	38.1	4.38	35.8	4.05	34.1	3.88	33.2	3.72	31.8	3.55	30.3	3.37
		216.3	38.1	4.38	35.8	4.05	34.1	3.88	33.2	3.72	31.8	3.55	30.3	3.37
		259.5	38.1	4.38	35.8	4.05	34.1	3.88	33.2	3.72	31.8	3.55	30.3	3.37
	35	69.2	38.1	4.05	35.8	3.92	34.1	3.55	33.2	3.59	31.8	3.41	30.3	3.26
		86.5	38.1	4.05	35.8	3.88	34.1	3.55	33.2	3.55	31.8	3.37	30.3	3.21
		173.0	38.1	4.05	35.8	3.72	34.1	3.55	33.2	3.37	31.8	3.21	30.3	3.04
		216.3	38.1	4.05	35.8	3.72	34.1	3.37	33.2	3.37	31.8	3.21	30.3	3.04
		259.5	38.1	4.05	35.8	3.72	34.1	3.28	33.2	3.37	31.8	3.21	30.3	3.04
	40	69.2	38.1	3.72	35.8	3.59	34.1	3.21	33.2	3.26	31.8	3.08	30.3	2.86
		86.5	38.1	3.72	35.8	3.55	34.1	3.21	33.2	3.21	31.8	3.04	30.3	2.86
		173.0	38.1	3.72	35.8	3.37	34.1	3.21	33.2	3.04	31.8	2.86	30.3	2.86
		216.3	38.1	3.72	35.8	3.37	34.1	3.21	33.2	3.04	31.8	2.86	30.3	2.86
		259.5	38.1	3.72	35.8	3.37	34.1	3.21	33.2	3.04	31.8	2.86	30.3	2.86
	45	69.2	38.1	3.37	35.8	3.26	34.1	2.86	33.2	2.90	31.8	2.75	30.3	2.49
		86.5	38.1	3.37	35.8	3.21	34.1	2.86	33.2	2.86	31.8	2.71	30.3	2.53
		173.0	38.1	3.37	35.8	3.04	34.1	2.86	33.2	2.71	31.8	2.53	30.3	2.71
		216.3	38.1	3.37	35.8	3.04	34.1	3.04	33.2	2.71	31.8	2.53	30.3	2.71
		259.5	38.1	3.37	35.8	3.04	34.1	3.13	33.2	2.71	31.8	2.53	30.3	2.71
50	-5	69.2	12.7	3.95	11.9	3.74	11.3	3.54	11.1	3.35	11.1	3.14	10.9	2.98
		86.5	13.1	4.03	12.3	3.82	11.7	3.62	11.5	3.42	11.4	3.21	11.2	3.04
		173.0	14.8	4.37	13.9	4.16	13.2	3.91	13.0	3.72	13.0	3.49	12.7	3.28
		216.3	16.4	4.72	15.4	4.47	14.6	4.23	14.4	4.02	14.3	3.76	14.1	3.55
		259.5	17.2	4.89	16.1	4.63	15.2	4.39	15.1	4.17	15.0	3.89	14.8	3.68
	0	69.2	22.7	5.79	21.0	5.49	19.5	5.17	19.1	4.91	18.8	4.62	18.1	4.35
		86.5	22.8	5.80	21.1	5.50	19.6	5.19	19.2	4.93	18.9	4.63	18.2	4.37
		173.0	23.3	5.85	21.6	5.55	20.1	5.26	19.7	5.00	19.4	4.68	18.7	4.42
		216.3	23.7	5.85	21.9	5.55	20.4	5.26	20.0	5.00	19.7	4.68	19.0	4.42
		259.5	23.9	5.85	22.0	5.55	20.5	5.26	20.1	5.00	19.8	4.68	19.1	4.42
	5	69.2	31.3	6.29	29.7	5.96	28.3	5.63	27.6	5.35	26.4	5.03	25.2	4.72
		86.5	31.4	6.32	29.7	5.99	28.3	5.66	27.6	5.38	26.4	5.05	25.2	4.75
		173.0	31.6	6.44	30.0	6.11	28.4	5.78	27.6	5.48	26.4	5.13	25.2	4.86
		216.3	31.6	6.50	29.9	6.17	28.4	5.82	27.6	5.52	26.4	5.19	25.2	4.89
		259.5	31.6	6.52	29.9	6.19	28.4	5.83	27.6	5.54	26.4	5.21	25.2	4.91

Notes:
TC: Total Capacity(kW)　　　　PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heading Capacity(18HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	69.2	31.5	5.79	29.8	5.45	28.3	5.13	27.6	4.90	26.4	4.53	25.2	4.32
		86.5	31.5	5.78	29.8	5.45	28.3	5.12	27.6	4.89	26.4	4.54	25.2	4.31
		173.0	31.6	5.75	30.0	5.43	28.4	5.08	27.6	4.86	26.4	4.59	25.2	4.28
		216.3	31.6	5.78	29.9	5.45	28.4	5.10	27.6	4.87	26.4	4.52	25.2	4.30
		259.5	31.6	5.80	29.9	5.46	28.4	5.11	27.6	4.88	26.4	4.49	25.2	4.31
	15	69.2	31.6	5.28	29.9	4.93	28.4	4.60	27.6	4.42	26.4	4.05	25.2	3.92
		86.5	31.6	5.24	29.9	4.89	28.4	4.56	27.6	4.38	26.4	4.05	25.2	3.88
		173.0	31.6	5.07	29.9	4.73	28.4	4.38	27.6	4.23	26.4	4.05	25.2	3.72
		216.3	31.6	5.07	29.9	4.73	28.4	4.38	27.6	4.23	26.4	3.88	25.2	3.72
		259.5	31.6	5.07	29.9	4.73	28.4	4.38	27.6	4.23	26.4	3.79	25.2	3.72
	20	69.2	31.6	4.60	29.9	4.27	28.4	4.10	27.6	3.92	26.4	3.76	25.2	3.37
		86.5	31.6	4.56	29.9	4.23	28.4	4.05	27.6	3.88	26.4	3.72	25.2	3.37
		173.0	31.6	4.38	29.9	4.05	28.4	3.88	27.6	3.72	26.4	3.55	25.2	3.37
		216.3	31.6	4.38	29.9	4.05	28.4	3.88	27.6	3.72	26.4	3.55	25.2	3.37
		259.5	31.6	4.38	29.9	4.05	28.4	3.88	27.6	3.72	26.4	3.55	25.2	3.37
	25	69.2	31.6	4.10	29.9	3.72	28.4	3.59	27.6	3.37	26.4	3.21	25.2	3.04
		86.5	31.6	4.05	29.9	3.72	28.4	3.55	27.6	3.37	26.4	3.21	25.2	3.04
		173.0	31.6	3.88	29.9	3.72	28.4	3.37	27.6	3.37	26.4	3.21	25.2	3.04
		216.3	31.6	3.88	29.9	3.72	28.4	3.37	27.6	3.37	26.4	3.21	25.2	3.04
		259.5	31.6	3.88	29.9	3.72	28.4	3.37	27.6	3.37	26.4	3.21	25.2	3.04
	30	69.2	31.6	3.76	29.9	3.41	28.4	3.26	27.6	3.04	26.4	3.08	25.2	2.90
		86.5	31.6	3.72	29.9	3.37	28.4	3.21	27.6	3.04	26.4	3.04	25.2	2.86
		173.0	31.6	3.55	29.9	3.21	28.4	3.04	27.6	3.04	26.4	2.86	25.2	2.71
		216.3	31.6	3.55	29.9	3.21	28.4	3.04	27.6	3.04	26.4	2.86	25.2	2.71
		259.5	31.6	3.55	29.9	3.21	28.4	3.04	27.6	3.04	26.4	2.86	25.2	2.71
	35	69.2	31.6	3.41	29.9	3.04	28.4	2.86	27.6	2.90	26.4	2.71	25.2	2.53
		86.5	31.6	3.37	29.9	3.04	28.4	2.86	27.6	2.86	26.4	2.71	25.2	2.53
		173.0	31.6	3.21	29.9	3.04	28.4	2.86	27.6	2.71	26.4	2.71	25.2	2.53
		216.3	31.6	3.21	29.9	3.04	28.4	2.86	27.6	2.71	26.4	2.71	25.2	2.53
		259.5	31.6	3.21	29.9	3.04	28.4	2.86	27.6	2.71	26.4	2.71	25.2	2.53
	40	69.2	31.6	3.08	29.9	2.90	28.4	2.75	27.6	2.53	26.4	2.58	25.2	2.36
		86.5	31.6	3.04	29.9	2.86	28.4	2.71	27.6	2.53	26.4	2.53	25.2	2.36
		173.0	31.6	2.86	29.9	2.71	28.4	2.53	27.6	2.53	26.4	2.36	25.2	2.36
		216.3	31.6	2.86	29.9	2.71	28.4	2.53	27.6	2.53	26.4	2.36	25.2	2.36
		259.5	31.6	2.86	29.9	2.71	28.4	2.53	27.6	2.53	26.4	2.36	25.2	2.36
	45	69.2	31.6	2.75	29.9	2.80	28.4	2.62	27.6	2.16	26.4	2.44	25.2	2.20
		86.5	31.6	2.71	29.9	2.71	28.4	2.53	27.6	2.20	26.4	2.36	25.2	2.20
		173.0	31.6	2.53	29.9	2.36	28.4	2.20	27.6	2.36	26.4	2.03	25.2	2.20
		216.3	31.6	2.53	29.9	2.36	28.4	2.20	27.6	2.36	26.4	2.03	25.2	2.20
		259.5	31.6	2.53	29.9	2.36	28.4	2.20	27.6	2.36	26.4	2.03	25.2	2.20

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

ARWN200LAS4

Heating Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	76.8	29.8	12.22	29.6	11.51	29.4	10.71	29.0	10.40	29.4	10.12	28.5	9.08
		96.0	30.8	12.43	30.6	11.73	30.4	10.95	30.0	10.62	30.4	10.34	29.5	9.28
		192.0	34.9	13.28	34.6	12.62	34.4	11.87	33.9	11.53	34.3	11.21	33.5	10.06
		240.0	38.6	14.12	38.2	13.48	38.0	12.80	37.5	12.45	38.0	12.09	37.0	10.85
		288.0	40.4	14.55	40.0	13.92	39.8	13.26	39.3	12.92	39.8	12.54	38.8	11.24
	0	76.8	53.2	16.71	52.0	16.22	50.9	15.69	49.8	15.25	50.0	14.83	47.7	13.28
		96.0	53.6	16.76	52.3	16.26	51.2	15.73	50.1	15.29	50.3	14.87	48.0	13.32
		192.0	54.9	16.94	53.5	16.42	52.4	15.92	51.3	15.47	51.5	15.03	49.2	13.48
		240.0	55.7	16.94	54.3	16.42	53.2	15.92	52.0	15.47	52.2	15.03	49.9	13.48
		288.0	56.1	16.94	54.7	16.42	53.6	15.92	52.4	15.47	52.6	15.03	50.2	13.48
	5	76.8	76.7	17.97	75.5	17.52	73.9	17.08	72.1	16.59	70.1	16.14	66.3	14.45
		96.0	76.9	18.05	75.7	17.61	74.0	17.16	72.1	16.68	70.1	16.22	66.3	14.53
		192.0	78.0	18.37	76.2	17.93	74.0	17.51	72.1	17.02	70.1	16.54	66.3	14.83
		240.0	78.5	18.49	76.4	18.05	74.0	17.63	72.1	17.14	70.1	16.66	66.3	14.93
		288.0	78.7	18.55	76.5	18.11	74.0	17.69	72.1	17.20	70.1	16.72	66.3	14.98
	10	76.8	76.8	16.35	75.5	15.80	73.7	15.50	71.8	15.16	69.9	14.64	66.0	13.21
		96.0	77.2	16.32	75.9	15.81	74.0	15.53	72.1	15.15	70.1	14.63	66.3	13.20
		192.0	79.1	16.20	77.3	15.88	75.2	15.65	73.3	15.13	71.2	14.59	67.3	13.16
		240.0	79.5	16.42	77.8	16.10	75.7	15.71	73.6	15.19	71.7	14.83	67.7	13.78
		288.0	79.7	16.53	78.1	16.21	75.9	15.74	73.8	15.22	71.9	14.95	68.0	14.10
	15	76.8	76.9	14.73	75.6	14.11	73.4	13.95	71.5	13.72	69.6	13.14	65.7	11.97
		96.0	77.5	14.59	76.1	14.04	74.0	13.92	72.1	13.62	70.1	13.04	66.3	11.87
		192.0	80.1	14.00	78.4	13.80	76.4	13.80	74.4	13.22	72.3	12.64	68.4	11.47
		240.0	80.5	14.35	79.2	14.12	77.3	13.80	75.2	13.22	73.3	13.00	69.2	12.64
		288.0	80.7	14.52	79.6	14.29	77.8	13.80	75.6	13.22	73.8	13.18	69.6	13.22
	20	76.8	79.8	13.52	78.4	12.89	76.3	12.61	74.2	12.20	72.0	11.93	67.8	11.57
		96.0	80.5	13.42	79.0	12.88	76.9	12.60	74.8	12.25	72.7	12.01	68.4	11.47
		192.0	83.0	13.04	81.5	12.84	79.2	12.56	77.1	12.45	75.2	12.33	70.9	11.09
		240.0	83.3	13.04	82.1	12.84	80.2	12.64	77.9	12.45	75.8	12.33	71.5	11.79
		288.0	83.5	13.04	82.4	12.84	80.6	12.68	78.3	12.45	76.1	12.33	71.8	12.15
	25	76.8	84.3	12.89	82.1	12.52	80.2	12.30	78.6	12.10	76.9	11.92	72.5	11.14
		96.0	84.3	12.84	82.1	12.49	80.2	12.25	78.6	12.05	76.9	11.87	72.5	11.09
		192.0	84.3	12.64	82.1	12.41	80.2	12.05	78.6	11.87	76.9	11.67	72.5	10.89
		240.0	84.3	12.45	82.1	12.09	80.2	11.87	78.6	11.67	76.9	11.47	72.5	10.70
		288.0	84.3	12.36	82.1	11.93	80.2	11.78	78.6	11.57	76.9	11.37	72.5	10.61
	30	76.8	84.3	12.56	82.1	11.93	80.2	11.82	78.6	11.51	76.9	11.39	72.5	10.60
		96.0	84.3	12.45	82.1	11.91	80.2	11.75	78.6	11.47	76.9	11.29	72.5	10.50
		192.0	84.3	12.05	82.1	11.83	80.2	11.47	78.6	11.29	76.9	10.89	72.5	10.12
		240.0	84.3	11.87	82.1	11.51	80.2	11.29	78.6	11.09	76.9	10.89	72.5	10.12
		288.0	84.3	11.78	82.1	11.35	80.2	11.20	78.6	10.99	76.9	10.89	72.5	10.12
	35	76.8	84.3	11.97	82.1	11.58	80.2	11.34	78.6	10.93	76.9	10.55	72.5	9.81
		96.0	84.3	11.87	82.1	11.51	80.2	11.29	78.6	10.89	76.9	10.50	72.5	9.72
		192.0	84.3	11.47	82.1	11.25	80.2	11.09	78.6	10.70	76.9	10.30	72.5	9.34
		240.0	84.3	11.47	82.1	11.13	80.2	10.89	78.6	10.50	76.9	10.12	72.5	9.34
		288.0	84.3	11.47	82.1	11.07	80.2	10.78	78.6	10.40	76.9	10.03	72.5	9.34
	40	76.8	84.3	11.57	82.1	11.20	80.2	10.98	78.6	10.60	76.9	10.22	72.5	9.23
		96.0	84.3	11.47	82.1	11.13	80.2	10.89	78.6	10.50	76.9	10.12	72.5	9.13
		192.0	84.3	11.09	82.1	10.85	80.2	10.50	78.6	10.12	76.9	9.72	72.5	8.75
		240.0	84.3	10.89	82.1	10.66	80.2	10.50	78.6	10.12	76.9	9.72	72.5	8.75
		288.0	84.3	10.78	82.1	10.57	80.2	10.50	78.6	10.12	76.9	9.72	72.5	8.75
	45	76.8	84.3	11.18	82.1	10.82	80.2	10.65	78.6	10.27	76.9	9.87	72.5	8.65
		96.0	84.3	11.09	82.1	10.74	80.2	10.50	78.6	10.12	76.9	9.72	72.5	8.55
		192.0	84.3	10.70	82.1	10.46	80.2	9.92	78.6	9.54	76.9	9.13	72.5	8.17
		240.0	84.3	10.30	82.1	10.20	80.2	10.12	78.6	9.72	76.9	9.34	72.5	8.17
		288.0	84.3	10.10	82.1	10.07	80.2	10.22	78.6	9.81	76.9	9.44	72.5	8.17
120	-5	76.8	28.3	12.22	28.1	11.51	27.9	10.71	27.6	10.26	27.8	9.96	27.1	8.92
		96.0	29.3	12.43	29.1	11.73	28.9	10.95	28.5	10.48	28.8	10.18	28.0	9.11
		192.0	33.2	13.28	32.9	12.62	32.7	11.87	32.3	11.37	32.6	11.05	31.7	9.90
		240.0	36.6	14.12	36.3	13.48	36.1	12.80	35.7	12.27	36.0	11.91	35.0	10.66
		288.0	38.4	14.55	38.1	13.92	37.8	13.26	37.4	12.73	37.7	12.35	36.6	11.05
	0	76.8	50.6	16.71	49.4	16.22	48.3	15.69	47.4	15.02	47.4	14.61	45.2	13.06
		96.0	50.9	16.76	49.7	16.26	48.6	15.73	47.6	15.07	47.6	14.65	45.5	13.10
		192.0	52.1	16.94	50.9	16.42	49.8	15.92	48.8	15.25	48.8	14.81	46.6	13.26
		240.0	52.9	16.94	51.7	16.42	50.6	15.92	49.5	15.25	49.5	14.81	47.3	13.26
		288.0	53.3	16.94	52.1	16.42	51.0	15.92	49.9	15.25	49.8	14.81	47.6	13.26

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	76.8	73.0	17.97	71.9	17.52	70.3	17.08	68.6	16.35	66.5	15.89	62.8	14.23
		96.0	73.3	18.05	72.0	17.61	70.3	17.16	68.6	16.44	66.5	15.98	62.8	14.31
		192.0	74.3	18.37	72.6	17.93	70.3	17.51	68.6	16.78	66.5	16.30	62.8	14.59
		240.0	74.7	18.49	72.1	18.05	70.3	17.63	68.6	16.90	66.5	16.42	62.8	14.69
		288.0	74.9	18.55	71.9	18.11	70.3	17.69	68.6	16.96	66.5	16.48	62.8	14.74
	10	76.8	73.3	16.14	71.9	15.69	70.1	15.38	68.4	14.91	66.3	14.42	62.7	12.96
		96.0	73.6	16.20	72.2	15.75	70.3	15.43	68.6	14.93	66.5	14.41	62.8	12.98
		192.0	75.0	16.42	73.4	16.00	71.1	15.65	69.4	15.01	67.2	14.37	63.5	13.04
		240.0	75.4	16.36	73.1	16.00	71.4	15.71	69.7	15.07	67.5	14.43	63.8	13.48
		288.0	75.6	16.33	73.0	16.00	71.5	15.74	69.8	15.10	67.6	14.46	63.9	13.70
	15	76.8	73.5	14.32	72.0	13.89	69.9	13.68	68.2	13.47	66.1	12.93	62.5	11.72
		96.0	73.9	14.35	72.4	13.92	70.3	13.70	68.6	13.42	66.5	12.84	62.8	11.67
		192.0	75.6	14.47	74.2	14.04	71.9	13.80	70.1	13.22	67.8	12.45	64.2	11.47
		240.0	76.0	14.25	74.1	13.92	72.5	13.80	70.7	13.22	68.4	12.45	64.8	12.25
		288.0	76.2	14.13	74.1	13.86	72.8	13.80	71.0	13.22	68.7	12.45	65.1	12.65
	20	76.8	75.5	12.88	74.1	12.33	71.9	12.00	69.9	11.83	67.6	11.68	64.0	11.09
		96.0	76.0	12.88	74.5	12.37	72.3	12.05	70.3	11.87	68.0	11.67	64.3	11.05
		192.0	77.9	12.88	76.3	12.56	73.8	12.25	72.1	12.05	69.7	11.63	65.9	10.89
		240.0	78.3	12.76	76.2	12.45	74.4	12.25	72.5	12.05	70.1	11.67	66.3	11.29
		288.0	78.5	12.70	76.2	12.40	74.7	12.25	72.7	12.05	70.4	11.69	66.5	11.49
	25	76.8	79.2	12.18	76.9	11.61	74.4	11.39	72.8	11.14	70.9	10.93	67.0	10.17
		96.0	79.2	12.13	76.9	11.59	74.4	11.37	72.8	11.09	70.9	10.89	67.0	10.12
		192.0	79.4	11.95	76.9	11.51	74.4	11.29	72.8	10.89	70.9	10.70	67.0	9.92
		240.0	79.6	11.51	76.9	11.21	74.4	11.09	72.8	10.89	70.9	10.50	67.0	9.92
		288.0	79.8	11.29	76.9	11.06	74.4	10.99	72.8	10.89	70.9	10.40	67.0	9.92
	30	76.8	79.6	11.65	76.9	11.07	74.4	10.76	72.8	10.35	70.9	10.22	67.0	9.39
		96.0	79.6	11.55	76.9	11.01	74.4	10.70	72.8	10.30	70.9	10.12	67.0	9.34
		192.0	79.6	11.17	76.9	10.74	74.4	10.50	72.8	10.12	70.9	9.72	67.0	9.13
		240.0	79.6	10.80	76.9	10.50	74.4	10.30	72.8	10.12	70.9	9.72	67.0	8.95
		288.0	79.6	10.62	76.9	10.38	74.4	10.20	72.8	10.12	70.9	9.72	67.0	8.86
	35	76.8	79.6	11.12	76.9	10.52	74.4	10.22	72.8	9.81	70.9	9.43	67.0	8.60
		96.0	79.6	10.97	76.9	10.42	74.4	10.12	72.8	9.72	70.9	9.34	67.0	8.55
		192.0	79.6	10.34	76.9	10.04	74.4	9.72	72.8	9.34	70.9	8.95	67.0	8.37
		240.0	79.6	10.22	76.9	9.96	74.4	9.72	72.8	9.34	70.9	8.95	67.0	8.17
		288.0	79.6	10.16	76.9	9.92	74.4	9.72	72.8	9.34	70.9	8.95	67.0	8.07
	40	76.8	79.6	10.79	76.9	10.04	74.4	9.64	72.8	9.23	70.9	8.85	67.0	8.01
		96.0	79.6	10.58	76.9	9.92	74.4	9.54	72.8	9.13	70.9	8.75	67.0	7.97
		192.0	79.6	9.76	76.9	9.46	74.4	9.13	72.8	8.75	70.9	8.37	67.0	7.79
		240.0	79.6	9.64	76.9	9.34	74.4	9.13	72.8	8.75	70.9	8.37	67.0	7.59
		288.0	79.6	9.58	76.9	9.28	74.4	9.13	72.8	8.75	70.9	8.37	67.0	7.48
	45	76.8	79.6	10.46	76.9	9.55	74.4	9.06	72.8	8.65	70.9	8.27	67.0	7.43
		96.0	79.6	10.20	76.9	9.42	74.4	8.95	72.8	8.55	70.9	8.17	67.0	7.38
		192.0	79.6	9.18	76.9	8.87	74.4	8.55	72.8	8.17	70.9	7.79	67.0	7.20
		240.0	79.6	9.05	76.9	8.71	74.4	8.55	72.8	8.17	70.9	7.79	67.0	7.00
		288.0	79.6	8.99	76.9	8.63	74.4	8.55	72.8	8.17	70.9	7.79	67.0	6.90
110	-5	76.8	26.8	12.38	26.6	11.51	26.5	10.71	26.2	10.26	26.2	9.96	25.7	8.92
		96.0	27.7	12.60	27.5	11.73	27.4	10.95	27.1	10.48	27.1	10.18	26.5	9.11
		192.0	31.4	13.44	31.2	12.62	31.0	11.87	30.7	11.37	30.7	11.05	30.1	9.90
		240.0	34.6	14.31	34.4	13.48	34.2	12.80	33.9	12.27	33.9	11.91	33.2	10.66
		288.0	36.3	14.74	36.0	13.92	35.8	13.26	35.5	12.73	35.5	12.35	34.7	11.05
	0	76.8	47.9	16.94	46.8	16.22	45.9	15.69	45.0	15.02	44.6	14.61	42.9	13.06
		96.0	48.2	16.98	47.1	16.26	46.1	15.73	45.2	15.07	44.8	14.65	43.1	13.10
		192.0	49.3	17.14	48.2	16.42	47.2	15.92	46.3	15.25	45.9	14.81	44.1	13.26
		240.0	50.0	17.14	49.0	16.42	47.9	15.92	47.0	15.25	46.6	14.81	44.8	13.26
		288.0	50.4	17.14	49.4	16.42	48.3	15.92	47.4	15.25	46.9	14.81	45.1	13.26
	5	76.8	69.9	18.21	68.2	17.52	66.6	17.08	65.1	16.35	62.6	15.89	59.5	14.23
		96.0	70.1	18.29	68.3	17.61	66.6	17.16	65.1	16.44	62.6	15.98	59.5	14.31
		192.0	71.0	18.61	68.9	17.93	66.7	17.51	65.1	16.78	62.6	16.30	59.5	14.59
		240.0	71.4	18.73	69.0	18.05	66.7	17.63	65.1	16.90	62.6	16.42	59.5	14.69
		288.0	71.6	18.79	69.1	18.11	66.7	17.69	65.1	16.96	62.6	16.48	59.5	14.74
	10	76.8	70.1	16.33	68.4	15.77	66.5	15.43	65.0	14.91	62.5	14.42	59.5	12.96
		96.0	70.4	16.36	68.6	15.81	66.6	15.47	65.1	14.93	62.6	14.41	59.5	12.98
		192.0	71.4	16.48	69.3	16.00	67.0	15.65	65.5	15.01	63.0	14.37	59.8	13.04
		240.0	71.8	16.48	69.6	16.00	67.3	15.61	65.6	14.97	63.1	14.43	60.0	13.18
		288.0	72.1	16.48	69.7	16.00	67.4	15.59	65.7	14.95	63.2	14.46	60.1	13.25

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	76.8	70.3	14.45	68.5	14.04	66.5	13.80	64.9	13.47	62.4	12.93	59.4	11.72
		96.0	70.6	14.43	68.7	14.04	66.7	13.80	65.1	13.42	62.6	12.84	59.5	11.67
		192.0	71.8	14.35	69.7	14.04	67.5	13.80	65.9	13.22	63.4	12.45	60.1	11.47
		240.0	72.2	14.25	70.1	13.92	67.8	13.62	66.1	13.04	63.6	12.45	60.5	11.67
		288.0	72.4	14.19	70.3	13.86	68.0	13.53	66.2	12.95	63.7	12.45	60.7	11.77
	20	76.8	71.6	12.47	69.7	12.17	67.4	11.87	65.6	11.67	63.2	11.34	59.9	10.60
		96.0	72.0	12.49	69.9	12.17	67.6	11.87	65.9	11.67	63.4	11.29	60.1	10.58
		192.0	73.5	12.60	70.9	12.17	68.4	11.87	66.9	11.67	64.2	11.09	61.1	10.50
		240.0	74.0	12.60	71.4	12.17	68.8	11.87	67.0	11.47	64.5	11.09	61.2	10.50
		288.0	74.2	12.60	71.7	12.17	69.0	11.87	67.1	11.37	64.7	11.09	61.3	10.50
	25	76.8	73.9	11.35	71.7	10.93	68.8	10.76	67.3	10.35	64.9	9.97	61.5	9.13
		96.0	74.0	11.33	71.7	10.89	68.8	10.70	67.3	10.30	64.9	9.92	61.5	9.13
		192.0	74.6	11.25	71.7	10.70	68.8	10.50	67.3	10.12	64.9	9.72	61.5	9.13
		240.0	75.0	11.25	71.7	10.74	68.8	10.30	67.3	10.12	64.9	9.54	61.5	8.95
		288.0	75.1	11.25	71.7	10.76	68.8	10.20	67.3	10.12	64.9	9.45	61.5	8.86
	30	76.8	75.0	10.35	71.7	9.97	68.8	9.59	67.3	9.39	64.9	8.80	61.5	8.22
		96.0	75.0	10.30	71.7	9.92	68.8	9.54	67.3	9.34	64.9	8.75	61.5	8.17
		192.0	75.0	10.12	71.7	9.72	68.8	9.34	67.3	9.13	64.9	8.55	61.5	7.97
		240.0	75.0	10.04	71.7	9.54	68.8	9.13	67.3	8.95	64.9	8.55	61.5	7.97
		288.0	75.0	10.00	71.7	9.45	68.8	9.03	67.3	8.86	64.9	8.55	61.5	7.97
	35	76.8	75.0	9.81	71.7	9.18	68.8	8.80	67.3	8.42	64.9	8.01	61.5	7.43
		96.0	75.0	9.72	71.7	9.13	68.8	8.75	67.3	8.37	64.9	7.97	61.5	7.38
		192.0	75.0	9.34	71.7	8.95	68.8	8.55	67.3	8.17	64.9	7.79	61.5	7.20
		240.0	75.0	9.09	71.7	8.75	68.8	8.37	67.3	8.17	64.9	7.79	61.5	7.20
		288.0	75.0	8.97	71.7	8.65	68.8	8.28	67.3	8.17	64.9	7.79	61.5	7.20
	40	76.8	75.0	9.23	71.7	8.85	68.8	8.27	67.3	7.84	64.9	7.43	61.5	6.85
		96.0	75.0	9.13	71.7	8.75	68.8	8.17	67.3	7.79	64.9	7.38	61.5	6.80
		192.0	75.0	8.75	71.7	8.37	68.8	7.79	67.3	7.59	64.9	7.20	61.5	6.62
		240.0	75.0	8.63	71.7	8.17	68.8	7.79	67.3	7.38	64.9	7.00	61.5	6.42
		288.0	75.0	8.57	71.7	8.07	68.8	7.79	67.3	7.28	64.9	6.90	61.5	6.32
	45	76.8	75.0	8.65	71.7	8.52	68.8	7.73	67.3	7.25	64.9	6.85	61.5	6.26
		96.0	75.0	8.55	71.7	8.37	68.8	7.59	67.3	7.20	64.9	6.80	61.5	6.22
		192.0	75.0	8.17	71.7	7.79	68.8	7.00	67.3	7.00	64.9	6.62	61.5	6.04
		240.0	75.0	8.17	71.7	7.59	68.8	7.20	67.3	6.62	64.9	6.22	61.5	5.63
		288.0	75.0	8.17	71.7	7.48	68.8	7.30	67.3	6.43	64.9	6.01	61.5	5.43
100	-5	76.8	25.3	12.38	25.1	11.67	25.0	10.71	24.8	10.26	24.6	9.80	24.1	8.92
		96.0	26.2	12.60	26.0	11.89	25.9	10.95	25.7	10.48	25.4	10.02	25.0	9.11
		192.0	29.7	13.44	29.5	12.78	29.3	11.87	29.0	11.37	28.8	10.89	28.3	9.90
		240.0	32.8	14.31	32.5	13.66	32.3	12.80	32.1	12.27	31.8	11.73	31.2	10.66
		288.0	34.3	14.74	34.1	14.11	33.9	13.26	33.6	12.73	33.4	12.16	32.7	11.05
	0	76.8	45.3	16.94	44.3	16.44	43.4	15.69	42.6	15.02	41.8	14.39	40.4	13.06
		96.0	45.5	16.98	44.5	16.48	43.6	15.73	42.8	15.07	42.1	14.43	40.6	13.10
		192.0	46.6	17.14	45.6	16.64	44.6	15.92	43.8	15.25	43.1	14.59	41.6	13.26
		240.0	47.3	17.14	46.3	16.64	45.3	15.92	44.5	15.25	43.7	14.59	42.2	13.26
		288.0	47.6	17.14	46.7	16.64	45.7	15.92	44.8	15.25	44.0	14.59	42.5	13.26
	5	76.8	66.8	18.21	64.6	17.77	62.9	17.08	61.7	16.35	58.7	15.65	56.0	14.23
		96.0	67.0	18.29	64.7	17.85	62.9	17.16	61.7	16.44	58.7	15.73	56.0	14.31
		192.0	68.0	18.61	65.2	18.17	63.0	17.51	61.7	16.78	58.7	16.06	56.0	14.59
		240.0	68.4	18.73	65.3	18.29	63.0	17.63	61.7	16.90	58.7	16.16	56.0	14.69
		288.0	68.6	18.79	65.4	18.35	63.0	17.69	61.7	16.96	58.7	16.21	56.0	14.74
	10	76.8	67.2	16.28	64.8	15.93	63.0	15.43	61.7	14.91	58.7	14.17	56.0	12.96
		96.0	67.3	16.36	64.9	15.98	63.0	15.47	61.7	14.93	58.7	14.19	56.0	12.98
		192.0	68.0	16.66	65.2	16.18	63.0	15.65	61.7	15.01	58.7	14.25	56.0	13.04
		240.0	68.5	16.60	65.5	16.18	63.0	15.61	61.7	14.97	58.7	14.21	56.0	12.98
		288.0	68.7	16.57	65.7	16.18	63.0	15.59	61.7	14.95	58.7	14.18	56.0	12.95
	15	76.8	67.5	14.36	65.1	14.11	63.0	13.80	61.7	13.47	58.7	12.68	56.0	11.72
		96.0	67.6	14.43	65.1	14.12	63.0	13.80	61.7	13.42	58.7	12.64	56.0	11.67
		192.0	68.0	14.71	65.3	14.16	63.0	13.80	61.7	13.22	58.7	12.45	56.0	11.47
		240.0	68.6	14.47	65.6	14.04	63.0	13.62	61.7	13.04	58.7	12.25	56.0	11.29
		288.0	68.9	14.35	65.8	13.98	63.0	13.53	61.7	12.95	58.7	12.15	56.0	11.20
	20	76.8	67.9	12.28	65.4	11.96	63.0	11.67	61.7	11.51	58.7	10.76	56.0	10.22
		96.0	68.2	12.33	65.5	11.97	63.0	11.67	61.7	11.47	58.7	10.70	56.0	10.12
		192.0	69.2	12.56	65.6	12.01	63.0	11.67	61.7	11.29	58.7	10.50	56.0	9.72
		240.0	69.6	12.33	66.2	11.91	63.0	11.47	61.7	11.09	58.7	10.30	56.0	9.54
		288.0	69.8	12.22	66.5	11.86	63.0	11.37	61.7	10.99	58.7	10.20	56.0	9.45

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	76.8	68.7	10.73	66.5	10.40	63.0	9.97	61.7	9.59	58.7	9.00	56.0	8.17
		96.0	69.0	10.74	66.5	10.34	63.0	9.92	61.7	9.54	58.7	8.95	56.0	8.17
		192.0	70.0	10.78	66.5	10.12	63.0	9.72	61.7	9.34	58.7	8.75	56.0	8.17
		240.0	70.3	10.54	66.5	10.04	63.0	9.54	61.7	9.13	58.7	8.75	56.0	7.97
		288.0	70.5	10.42	66.5	10.00	63.0	9.45	61.7	9.03	58.7	8.75	56.0	7.87
	30	76.8	70.3	9.76	66.5	9.00	63.0	8.39	61.7	8.22	58.7	7.59	56.0	7.25
		96.0	70.3	9.72	66.5	8.95	63.0	8.37	61.7	8.17	58.7	7.59	56.0	7.20
		192.0	70.3	9.54	66.5	8.75	63.0	8.29	61.7	7.97	58.7	7.59	56.0	7.00
		240.0	70.3	9.34	66.5	8.75	63.0	8.17	61.7	7.97	58.7	7.38	56.0	7.00
		288.0	70.3	9.23	66.5	8.75	63.0	8.11	61.7	7.97	58.7	7.28	56.0	7.00
	35	76.8	70.3	9.06	66.5	8.27	63.0	7.40	61.7	7.25	58.7	6.85	56.0	6.26
		96.0	70.3	8.95	66.5	8.17	63.0	7.38	61.7	7.20	58.7	6.80	56.0	6.22
		192.0	70.3	8.55	66.5	7.79	63.0	7.30	61.7	7.00	58.7	6.62	56.0	6.04
		240.0	70.3	8.55	66.5	7.79	63.0	7.20	61.7	7.00	58.7	6.62	56.0	6.04
		288.0	70.3	8.55	66.5	7.79	63.0	7.15	61.7	7.00	58.7	6.62	56.0	6.04
	40	76.8	70.3	8.47	66.5	7.68	63.0	6.64	61.7	6.47	58.7	6.09	56.0	5.68
		96.0	70.3	8.37	66.5	7.59	63.0	6.62	61.7	6.42	58.7	6.04	56.0	5.63
		192.0	70.3	7.97	66.5	7.20	63.0	6.54	61.7	6.22	58.7	5.84	56.0	5.45
		240.0	70.3	7.79	66.5	7.20	63.0	6.42	61.7	6.22	58.7	5.84	56.0	5.45
		288.0	70.3	7.70	66.5	7.20	63.0	6.36	61.7	6.22	58.7	5.84	56.0	5.45
	45	76.8	70.3	7.89	66.5	7.10	63.0	5.86	61.7	5.68	58.7	5.30	56.0	5.10
		96.0	70.3	7.79	66.5	7.00	63.0	5.84	61.7	5.63	58.7	5.25	56.0	5.05
		192.0	70.3	7.38	66.5	6.62	63.0	5.75	61.7	5.45	58.7	5.05	56.0	4.87
		240.0	70.3	7.00	66.5	6.62	63.0	5.63	61.7	5.45	58.7	5.05	56.0	4.87
		288.0	70.3	6.81	66.5	6.62	63.0	5.57	61.7	5.45	58.7	5.05	56.0	4.87
90	-5	76.8	23.9	11.49	23.2	10.47	22.5	9.19	22.3	8.76	22.1	8.44	21.8	7.58
		96.0	24.7	11.69	24.0	10.66	23.3	9.40	23.1	8.95	22.9	8.63	22.5	7.75
		192.0	28.0	12.47	27.1	11.45	26.3	10.20	26.1	9.72	26.0	9.38	25.4	8.41
		240.0	30.9	13.26	29.9	12.25	29.1	11.01	28.8	10.48	28.7	10.10	28.1	9.07
		288.0	32.4	13.65	31.4	12.66	30.5	11.41	30.2	10.87	30.0	10.47	29.5	9.41
	0	76.8	42.8	15.65	40.8	14.69	38.9	13.49	38.3	12.86	37.7	12.38	36.3	11.12
		96.0	43.0	15.69	41.0	14.73	39.1	13.52	38.6	12.90	37.9	12.41	36.5	11.15
		192.0	44.0	15.86	42.0	14.89	40.1	13.66	39.4	13.04	38.8	12.56	37.4	11.27
		240.0	44.7	15.86	42.6	14.89	40.7	13.66	40.0	13.04	39.4	12.56	38.0	11.27
		288.0	45.0	15.86	42.9	14.89	41.1	13.66	40.3	13.04	39.8	12.56	38.3	11.27
	5	76.8	60.4	16.81	58.5	15.86	56.6	14.68	55.4	13.99	53.0	13.47	50.5	12.09
		96.0	60.5	16.88	58.4	15.94	56.6	14.75	55.4	14.06	53.0	13.54	50.5	12.15
		192.0	60.7	17.18	58.3	16.24	56.6	15.03	55.4	14.35	53.0	13.82	50.5	12.39
		240.0	61.1	17.28	58.4	16.34	56.6	15.15	55.4	14.45	53.0	13.92	50.5	12.49
		288.0	61.2	17.33	58.5	16.39	56.6	15.21	55.4	14.50	53.0	13.97	50.5	12.55
	10	76.8	60.7	14.84	58.7	14.11	56.6	13.28	55.4	12.74	53.0	12.22	50.5	11.02
		96.0	60.7	14.85	58.6	14.12	56.6	13.30	55.4	12.76	53.0	12.21	50.5	11.03
		192.0	60.6	14.89	58.3	14.19	56.6	13.36	55.4	12.82	53.0	12.17	50.5	11.07
		240.0	61.0	14.85	58.5	14.14	56.6	13.32	55.4	12.78	53.0	12.21	50.5	11.11
		288.0	61.2	14.83	58.6	14.12	56.6	13.30	55.4	12.76	53.0	12.23	50.5	11.13
	15	76.8	61.1	12.85	58.9	12.38	56.6	11.92	55.4	11.51	53.0	10.98	50.5	9.97
		96.0	60.9	12.80	58.8	12.33	56.6	11.87	55.4	11.47	53.0	10.89	50.5	9.92
		192.0	60.5	12.60	58.4	12.13	56.6	11.67	55.4	11.29	53.0	10.50	50.5	9.72
		240.0	60.9	12.41	58.5	11.95	56.6	11.47	55.4	11.09	53.0	10.50	50.5	9.72
		288.0	61.2	12.32	58.6	11.86	56.6	11.37	55.4	10.99	53.0	10.50	50.5	9.72
	20	76.8	61.4	10.85	59.1	10.53	56.6	10.17	55.4	9.76	53.0	9.43	50.5	8.85
		96.0	61.4	10.85	59.0	10.50	56.6	10.12	55.4	9.72	53.0	9.34	50.5	8.75
		192.0	61.1	10.85	58.5	10.38	56.6	9.92	55.4	9.54	53.0	8.95	50.5	8.37
		240.0	61.3	10.66	58.7	10.30	56.6	9.92	55.4	9.54	53.0	8.95	50.5	8.37
		288.0	61.4	10.57	58.8	10.26	56.6	9.92	55.4	9.54	53.0	8.95	50.5	8.37
	25	76.8	62.4	9.48	59.9	8.97	56.6	8.60	55.4	8.17	53.0	7.84	50.5	7.25
		96.0	62.6	9.46	59.9	8.95	56.6	8.55	55.4	8.17	53.0	7.79	50.5	7.20
		192.0	63.2	9.38	59.9	8.87	56.6	8.37	55.4	8.17	53.0	7.59	50.5	7.00
		240.0	63.4	9.13	59.9	8.67	56.6	8.37	55.4	7.97	53.0	7.59	50.5	7.00
		288.0	63.5	9.01	59.9	8.57	56.6	8.37	55.4	7.87	53.0	7.59	50.5	7.00
	30	76.8	63.4	8.60	59.9	8.01	56.6	7.43	55.4	7.25	53.0	6.85	50.5	6.22
		96.0	63.4	8.55	59.9	7.97	56.6	7.38	55.4	7.20	53.0	6.80	50.5	6.22
		192.0	63.4	8.37	59.9	7.79	56.6	7.20	55.4	7.00	53.0	6.62	50.5	6.22
		240.0	63.4	8.17	59.9	7.59	56.6	7.20	55.4	7.00	53.0	6.62	50.5	6.04
		288.0	63.4	8.07	59.9	7.48	56.6	7.20	55.4	7.00	53.0	6.62	50.5	5.94

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	76.8	63.4	7.84	59.9	7.25	56.6	6.67	55.4	6.47	53.0	6.09	50.5	5.68
		96.0	63.4	7.79	59.9	7.20	56.6	6.62	55.4	6.42	53.0	6.04	50.5	5.63
		192.0	63.4	7.59	59.9	7.00	56.6	6.42	55.4	6.22	53.0	5.84	50.5	5.45
		240.0	63.4	7.38	59.9	6.80	56.6	6.22	55.4	6.04	53.0	5.84	50.5	5.45
		288.0	63.4	7.28	59.9	6.70	56.6	6.12	55.4	5.94	53.0	5.84	50.5	5.45
	40	76.8	63.4	7.30	59.9	6.67	56.6	5.89	55.4	5.68	53.0	5.50	50.5	5.10
		96.0	63.4	7.20	59.9	6.62	56.6	5.84	55.4	5.63	53.0	5.45	50.5	5.05
		192.0	63.4	6.80	59.9	6.42	56.6	5.63	55.4	5.45	53.0	5.25	50.5	4.87
		240.0	63.4	6.80	59.9	6.42	56.6	5.63	55.4	5.45	53.0	5.25	50.5	4.87
		288.0	63.4	6.80	59.9	6.42	56.6	5.63	55.4	5.45	53.0	5.25	50.5	4.87
	45	76.8	63.4	6.77	59.9	6.09	56.6	5.10	55.4	4.92	53.0	4.92	50.5	4.51
		96.0	63.4	6.62	59.9	6.04	56.6	5.05	55.4	4.87	53.0	4.87	50.5	4.47
		192.0	63.4	6.04	59.9	5.84	56.6	4.87	55.4	4.67	53.0	4.67	50.5	4.29
		240.0	63.4	6.22	59.9	6.04	56.6	5.05	55.4	4.87	53.0	4.67	50.5	4.29
		288.0	63.4	6.31	59.9	6.14	56.6	5.14	55.4	4.97	53.0	4.67	50.5	4.29
80	-5	76.8	22.6	8.19	21.2	7.88	20.1	7.54	19.8	7.29	19.7	6.95	19.3	6.40
		96.0	23.4	8.37	21.9	8.05	20.7	7.71	20.5	7.44	20.4	7.10	20.0	6.54
		192.0	26.4	9.09	24.8	8.73	23.4	8.35	23.2	8.07	23.1	7.71	22.6	7.08
		240.0	29.2	9.80	27.4	9.42	25.9	9.01	25.6	8.71	25.5	8.31	25.0	7.65
		288.0	30.7	10.15	28.7	9.76	27.1	9.35	26.8	9.04	26.7	8.61	26.1	7.93
	0	76.8	40.4	12.02	37.2	11.53	34.7	11.06	34.0	10.67	33.5	10.17	32.3	9.37
		96.0	40.6	12.05	37.4	11.57	34.9	11.09	34.2	10.70	33.8	10.20	32.5	9.40
		192.0	41.6	12.19	38.3	11.71	35.7	11.21	35.0	10.82	34.6	10.32	33.2	9.50
		240.0	42.2	12.19	38.9	11.71	36.3	11.21	35.6	10.82	35.1	10.32	33.8	9.50
		288.0	42.5	12.19	39.2	11.71	36.6	11.21	35.8	10.82	35.4	10.32	34.0	9.50
	5	76.8	55.8	13.07	52.7	12.57	50.4	12.01	49.3	11.61	47.2	11.07	44.8	10.19
		96.0	56.0	13.14	52.8	12.64	50.4	12.07	49.3	11.67	47.2	11.13	44.8	10.24
		192.0	56.4	13.42	53.2	12.88	50.5	12.33	49.3	11.91	47.2	11.35	44.8	10.46
		240.0	56.4	13.50	53.2	12.98	50.5	12.41	49.3	11.99	47.2	11.43	44.8	10.52
		288.0	56.4	13.54	53.1	13.03	50.5	12.46	49.3	12.03	47.2	11.47	44.8	10.55
	10	76.8	56.1	12.03	52.9	11.48	50.4	10.90	49.3	10.60	47.2	10.04	44.8	9.29
		96.0	56.2	12.01	53.0	11.47	50.4	10.91	49.3	10.60	47.2	10.04	44.8	9.30
		192.0	56.4	11.95	53.2	11.41	50.5	10.93	49.3	10.62	47.2	10.06	44.8	9.32
		240.0	56.4	11.91	53.2	11.45	50.5	10.97	49.3	10.56	47.2	10.00	44.8	9.26
		288.0	56.4	11.89	53.1	11.47	50.5	10.99	49.3	10.53	47.2	9.97	44.8	9.23
	15	76.8	56.4	10.98	53.2	10.40	50.5	9.76	49.3	9.59	47.2	9.00	44.8	8.42
		96.0	56.4	10.89	53.2	10.30	50.5	9.72	49.3	9.54	47.2	8.95	44.8	8.37
		192.0	56.4	10.50	53.2	9.92	50.5	9.54	49.3	9.34	47.2	8.75	44.8	8.17
		240.0	56.4	10.30	53.2	9.92	50.5	9.54	49.3	9.13	47.2	8.55	44.8	7.97
		288.0	56.4	10.20	53.2	9.92	50.5	9.54	49.3	9.03	47.2	8.45	44.8	7.87
	20	76.8	56.4	9.18	53.2	8.80	50.5	8.37	49.3	8.22	47.2	7.84	44.8	7.25
		96.0	56.4	9.13	53.2	8.75	50.5	8.37	49.3	8.17	47.2	7.79	44.8	7.20
		192.0	56.4	8.95	53.2	8.55	50.5	8.37	49.3	7.97	47.2	7.59	44.8	7.00
		240.0	56.4	8.75	53.2	8.37	50.5	8.17	49.3	7.97	47.2	7.38	44.8	7.00
		288.0	56.4	8.65	53.2	8.28	50.5	8.07	49.3	7.97	47.2	7.28	44.8	7.00
	25	76.8	56.4	8.22	53.2	7.64	50.5	7.20	49.3	7.05	47.2	6.67	44.8	6.26
		96.0	56.4	8.17	53.2	7.59	50.5	7.20	49.3	7.00	47.2	6.62	44.8	6.22
		192.0	56.4	7.97	53.2	7.38	50.5	7.20	49.3	6.80	47.2	6.42	44.8	6.04
		240.0	56.4	7.79	53.2	7.38	50.5	7.00	49.3	6.80	47.2	6.42	44.8	6.04
		288.0	56.4	7.70	53.2	7.38	50.5	6.90	49.3	6.80	47.2	6.42	44.8	6.04
	30	76.8	56.4	7.25	53.2	6.85	50.5	6.47	49.3	6.26	47.2	5.89	44.8	5.50
		96.0	56.4	7.20	53.2	6.80	50.5	6.42	49.3	6.22	47.2	5.84	44.8	5.45
		192.0	56.4	7.00	53.2	6.62	50.5	6.22	49.3	6.04	47.2	5.63	44.8	5.25
		240.0	56.4	7.00	53.2	6.62	50.5	6.22	49.3	6.04	47.2	5.63	44.8	5.25
		288.0	56.4	7.00	53.2	6.62	50.5	6.22	49.3	6.04	47.2	5.63	44.8	5.25
	35	76.8	56.4	6.67	53.2	6.26	50.5	5.68	49.3	5.45	47.2	5.30	44.8	4.87
		96.0	56.4	6.62	53.2	6.22	50.5	5.63	49.3	5.45	47.2	5.25	44.8	4.87
		192.0	56.4	6.42	53.2	6.04	50.5	5.45	49.3	5.45	47.2	5.05	44.8	4.87
		240.0	56.4	6.42	53.2	5.84	50.5	5.45	49.3	5.25	47.2	5.05	44.8	4.67
		288.0	56.4	6.42	53.2	5.73	50.5	5.45	49.3	5.15	47.2	5.05	44.8	4.57
	40	76.8	56.4	6.31	53.2	5.68	50.5	5.05	49.3	5.10	47.2	4.67	44.8	4.51
		96.0	56.4	6.22	53.2	5.63	50.5	5.05	49.3	5.05	47.2	4.67	44.8	4.47
		192.0	56.4	5.84	53.2	5.45	50.5	5.05	49.3	4.87	47.2	4.67	44.8	4.29
		240.0	56.4	5.84	53.2	5.45	50.5	4.87	49.3	4.87	47.2	4.67	44.8	4.29
		288.0	56.4	5.84	53.2	5.45	50.5	4.78	49.3	4.87	47.2	4.67	44.8	4.29

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	76.8	56.4	5.98	53.2	5.10	50.5	4.42	49.3	4.76	47.2	4.03	44.8	4.18
		96.0	56.4	5.84	53.2	5.05	50.5	4.47	49.3	4.67	47.2	4.08	44.8	4.08
		192.0	56.4	5.25	53.2	4.87	50.5	4.67	49.3	4.29	47.2	4.29	44.8	3.70
		240.0	56.4	5.25	53.2	5.05	50.5	4.29	49.3	4.47	47.2	4.29	44.8	3.88
		288.0	56.4	5.25	53.2	5.14	50.5	4.09	49.3	4.56	47.2	4.29	44.8	3.97
70	-5	76.8	19.7	7.03	18.5	6.69	17.5	6.48	17.3	6.11	17.2	5.89	16.9	5.36
		96.0	20.4	7.18	19.2	6.84	18.1	6.62	17.9	6.24	17.8	6.02	17.5	5.47
		192.0	23.1	7.79	21.7	7.42	20.5	7.18	20.3	6.76	20.2	6.52	19.8	5.94
		240.0	25.6	8.41	24.0	8.01	22.6	7.75	22.4	7.28	22.3	7.04	21.9	6.40
		288.0	26.8	8.72	25.1	8.30	23.7	8.03	23.5	7.55	23.3	7.31	22.9	6.63
	0	76.8	35.3	10.29	32.6	9.81	30.3	9.49	29.8	8.93	29.3	8.63	28.3	7.85
		96.0	35.5	10.32	32.8	9.84	30.5	9.52	29.9	8.95	29.5	8.65	28.4	7.87
		192.0	36.3	10.44	33.6	9.94	31.2	9.64	30.7	9.05	30.2	8.75	29.1	7.95
		240.0	36.9	10.44	34.1	9.94	31.6	9.64	31.1	9.05	30.7	8.75	29.5	7.95
		288.0	37.1	10.44	34.4	9.94	31.9	9.64	31.4	9.05	30.9	8.75	29.8	7.95
	5	76.8	48.8	11.21	46.2	10.67	44.0	10.33	43.1	9.73	41.1	9.39	39.2	8.53
		96.0	48.9	11.27	46.3	10.72	44.0	10.38	43.1	9.78	41.1	9.44	39.2	8.57
		192.0	49.3	11.49	46.6	10.95	44.1	10.60	43.1	9.96	41.1	9.64	39.2	8.75
		240.0	49.3	11.57	46.6	11.03	44.1	10.68	43.1	10.04	41.1	9.70	39.2	8.81
		288.0	49.3	11.61	46.6	11.07	44.1	10.72	43.1	10.08	41.1	9.73	39.2	8.84
	10	76.8	49.0	10.32	46.4	9.76	44.1	9.40	43.1	8.87	41.1	8.51	39.2	7.79
		96.0	49.1	10.30	46.4	9.74	44.1	9.38	43.1	8.87	41.1	8.51	39.2	7.79
		192.0	49.3	10.22	46.6	9.66	44.1	9.30	43.1	8.87	41.1	8.51	39.2	7.79
		240.0	49.3	10.26	46.6	9.70	44.1	9.34	43.1	8.91	41.1	8.45	39.2	7.81
		288.0	49.3	10.28	46.6	9.72	44.1	9.36	43.1	8.93	41.1	8.42	39.2	7.82
	15	76.8	49.3	9.43	46.6	8.85	44.1	8.47	43.1	8.01	41.1	7.64	39.2	7.05
		96.0	49.3	9.34	46.6	8.75	44.1	8.37	43.1	7.97	41.1	7.59	39.2	7.00
		192.0	49.3	8.95	46.6	8.37	44.1	7.97	43.1	7.79	41.1	7.38	39.2	6.80
		240.0	49.3	8.95	46.6	8.37	44.1	7.97	43.1	7.79	41.1	7.20	39.2	6.80
		288.0	49.3	8.95	46.6	8.37	44.1	7.97	43.1	7.79	41.1	7.11	39.2	6.80
	20	76.8	49.3	7.84	46.6	7.43	44.1	7.25	43.1	7.05	41.1	6.67	39.2	6.26
		96.0	49.3	7.79	46.6	7.38	44.1	7.20	43.1	7.00	41.1	6.62	39.2	6.22
		192.0	49.3	7.59	46.6	7.20	44.1	7.00	43.1	6.80	41.1	6.42	39.2	6.04
		240.0	49.3	7.59	46.6	7.20	44.1	7.00	43.1	6.62	41.1	6.42	39.2	5.84
		288.0	49.3	7.59	46.6	7.20	44.1	7.00	43.1	6.53	41.1	6.42	39.2	5.73
	25	76.8	49.3	7.05	46.6	6.67	44.1	6.26	43.1	6.09	41.1	5.63	39.2	5.25
		96.0	49.3	7.00	46.6	6.62	44.1	6.22	43.1	6.04	41.1	5.63	39.2	5.25
		192.0	49.3	6.80	46.6	6.42	44.1	6.04	43.1	5.84	41.1	5.63	39.2	5.25
		240.0	49.3	6.62	46.6	6.22	44.1	6.04	43.1	5.84	41.1	5.45	39.2	5.25
		288.0	49.3	6.53	46.6	6.12	44.1	6.04	43.1	5.84	41.1	5.36	39.2	5.25
	30	76.8	49.3	6.26	46.6	5.89	44.1	5.50	43.1	5.25	41.1	5.10	39.2	4.67
		96.0	49.3	6.22	46.6	5.84	44.1	5.45	43.1	5.25	41.1	5.05	39.2	4.67
		192.0	49.3	6.04	46.6	5.63	44.1	5.25	43.1	5.25	41.1	4.87	39.2	4.67
		240.0	49.3	6.04	46.6	5.63	44.1	5.25	43.1	5.05	41.1	4.87	39.2	4.67
		288.0	49.3	6.04	46.6	5.63	44.1	5.25	43.1	4.95	41.1	4.87	39.2	4.67
	35	76.8	49.3	5.68	46.6	5.30	44.1	4.87	43.1	4.92	41.1	4.47	39.2	4.34
		96.0	49.3	5.63	46.6	5.25	44.1	4.87	43.1	4.87	41.1	4.47	39.2	4.29
		192.0	49.3	5.45	46.6	5.05	44.1	4.87	43.1	4.67	41.1	4.47	39.2	4.08
		240.0	49.3	5.45	46.6	5.05	44.1	4.67	43.1	4.67	41.1	4.47	39.2	4.08
		288.0	49.3	5.45	46.6	5.05	44.1	4.57	43.1	4.67	41.1	4.47	39.2	4.08
	40	76.8	49.3	5.30	46.6	4.92	44.1	4.51	43.1	4.29	41.1	4.08	39.2	3.93
		96.0	49.3	5.25	46.6	4.87	44.1	4.47	43.1	4.29	41.1	4.08	39.2	3.88
		192.0	49.3	5.05	46.6	4.67	44.1	4.29	43.1	4.29	41.1	4.08	39.2	3.70
		240.0	49.3	5.05	46.6	4.67	44.1	4.29	43.1	4.08	41.1	3.88	39.2	3.70
		288.0	49.3	5.05	46.6	4.67	44.1	4.29	43.1	3.98	41.1	3.78	39.2	3.70
	45	76.8	49.3	4.92	46.6	4.51	44.1	4.18	43.1	3.66	41.1	3.70	39.2	3.55
		96.0	49.3	4.87	46.6	4.47	44.1	4.08	43.1	3.70	41.1	3.70	39.2	3.50
		192.0	49.3	4.67	46.6	4.29	44.1	3.70	43.1	3.88	41.1	3.70	39.2	3.30
		240.0	49.3	4.67	46.6	4.29	44.1	3.88	43.1	3.50	41.1	3.30	39.2	3.30
		288.0	49.3	4.67	46.6	4.29	44.1	3.97	43.1	3.31	41.1	3.10	39.2	3.30
60	-5	76.8	16.9	5.71	15.9	5.49	15.0	5.28	14.8	4.90	14.8	4.82	14.5	4.31
		96.0	17.5	5.84	16.4	5.61	15.5	5.39	15.4	5.01	15.3	4.93	15.0	4.41
		192.0	19.9	6.34	18.6	6.10	17.6	5.86	17.4	5.43	17.3	5.35	17.0	4.79
		240.0	21.9	6.82	20.5	6.58	19.5	6.32	19.2	5.88	19.2	5.77	18.8	5.15
		288.0	23.0	7.06	21.5	6.82	20.4	6.55	20.1	6.10	20.1	5.99	19.6	5.33

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	76.8	30.3	8.36	27.9	8.07	26.0	7.72	25.5	7.18	25.2	7.08	24.2	6.32
		96.0	30.5	8.39	28.1	8.09	26.2	7.75	25.7	7.20	25.3	7.10	24.4	6.34
		192.0	31.2	8.49	28.7	8.17	26.8	7.85	26.3	7.28	25.9	7.18	24.9	6.40
		240.0	31.6	8.49	29.2	8.17	27.3	7.85	26.7	7.28	26.3	7.18	25.3	6.40
		288.0	31.9	8.49	29.4	8.17	27.5	7.85	26.9	7.28	26.5	7.18	25.5	6.40
	5	76.8	41.9	9.11	39.5	8.77	37.9	8.40	36.9	7.83	35.3	7.71	33.6	6.87
		96.0	42.0	9.15	39.6	8.81	37.9	8.45	36.9	7.87	35.3	7.75	33.6	6.90
		192.0	42.3	9.34	39.9	8.99	37.9	8.63	36.9	8.03	35.3	7.91	33.6	7.04
		240.0	42.3	9.42	39.8	9.05	37.9	8.69	36.9	8.09	35.3	7.95	33.6	7.10
		288.0	42.3	9.46	39.8	9.08	37.9	8.72	36.9	8.12	35.3	7.97	33.6	7.13
	10	76.8	42.1	8.37	39.6	8.01	37.9	7.63	36.9	7.12	35.3	6.99	33.6	6.26
		96.0	42.1	8.37	39.7	8.01	37.9	7.63	36.9	7.14	35.3	6.98	33.6	6.28
		192.0	42.3	8.37	39.9	8.01	37.9	7.63	36.9	7.22	35.3	6.96	33.6	6.34
		240.0	42.3	8.39	39.8	7.93	37.9	7.55	36.9	7.14	35.3	6.90	33.6	6.28
		288.0	42.3	8.40	39.8	7.89	37.9	7.50	36.9	7.10	35.3	6.87	33.6	6.25
	15	76.8	42.3	7.64	39.8	7.25	37.9	6.85	36.9	6.42	35.3	6.26	33.6	5.63
		96.0	42.3	7.59	39.8	7.20	37.9	6.80	36.9	6.42	35.3	6.22	33.6	5.63
		192.0	42.3	7.38	39.8	7.00	37.9	6.62	36.9	6.42	35.3	6.04	33.6	5.63
		240.0	42.3	7.38	39.8	6.80	37.9	6.42	36.9	6.22	35.3	5.84	33.6	5.45
		288.0	42.3	7.38	39.8	6.70	37.9	6.32	36.9	6.12	35.3	5.73	33.6	5.36
	20	76.8	42.3	6.67	39.8	6.26	37.9	5.89	36.9	5.68	35.3	5.50	33.6	5.10
		96.0	42.3	6.62	39.8	6.22	37.9	5.84	36.9	5.63	35.3	5.45	33.6	5.05
		192.0	42.3	6.42	39.8	6.04	37.9	5.63	36.9	5.45	35.3	5.25	33.6	4.87
		240.0	42.3	6.42	39.8	6.04	37.9	5.63	36.9	5.45	35.3	5.25	33.6	4.87
		288.0	42.3	6.42	39.8	6.04	37.9	5.63	36.9	5.45	35.3	5.25	33.6	4.87
	25	76.8	42.3	5.89	39.8	5.50	37.9	5.05	36.9	5.10	35.3	4.67	33.6	4.51
		96.0	42.3	5.84	39.8	5.45	37.9	5.05	36.9	5.05	35.3	4.67	33.6	4.47
		192.0	42.3	5.63	39.8	5.25	37.9	5.05	36.9	4.87	35.3	4.67	33.6	4.29
		240.0	42.3	5.63	39.8	5.25	37.9	4.87	36.9	4.87	35.3	4.67	33.6	4.29
		288.0	42.3	5.63	39.8	5.25	37.9	4.78	36.9	4.87	35.3	4.67	33.6	4.29
	30	76.8	42.3	5.30	39.8	4.92	37.9	4.72	36.9	4.51	35.3	4.34	33.6	4.14
		96.0	42.3	5.25	39.8	4.87	37.9	4.67	36.9	4.47	35.3	4.29	33.6	4.08
		192.0	42.3	5.05	39.8	4.67	37.9	4.47	36.9	4.29	35.3	4.08	33.6	3.88
		240.0	42.3	5.05	39.8	4.67	37.9	4.47	36.9	4.29	35.3	4.08	33.6	3.88
		288.0	42.3	5.05	39.8	4.67	37.9	4.47	36.9	4.29	35.3	4.08	33.6	3.88
	35	76.8	42.3	4.67	39.8	4.51	37.9	4.08	36.9	4.14	35.3	3.93	33.6	3.75
		96.0	42.3	4.67	39.8	4.47	37.9	4.08	36.9	4.08	35.3	3.88	33.6	3.70
		192.0	42.3	4.67	39.8	4.29	37.9	4.08	36.9	3.88	35.3	3.70	33.6	3.50
		240.0	42.3	4.67	39.8	4.29	37.9	3.88	36.9	3.88	35.3	3.70	33.6	3.50
		288.0	42.3	4.67	39.8	4.29	37.9	3.78	36.9	3.88	35.3	3.70	33.6	3.50
	40	76.8	42.3	4.29	39.8	4.14	37.9	3.70	36.9	3.75	35.3	3.55	33.6	3.30
		96.0	42.3	4.29	39.8	4.08	37.9	3.70	36.9	3.70	35.3	3.50	33.6	3.30
		192.0	42.3	4.29	39.8	3.88	37.9	3.70	36.9	3.50	35.3	3.30	33.6	3.30
		240.0	42.3	4.29	39.8	3.88	37.9	3.70	36.9	3.50	35.3	3.30	33.6	3.30
		288.0	42.3	4.29	39.8	3.88	37.9	3.70	36.9	3.50	35.3	3.30	33.6	3.30
	45	76.8	42.3	3.88	39.8	3.75	37.9	3.30	36.9	3.35	35.3	3.17	33.6	2.87
		96.0	42.3	3.88	39.8	3.70	37.9	3.30	36.9	3.30	35.3	3.12	33.6	2.92
		192.0	42.3	3.88	39.8	3.50	37.9	3.30	36.9	3.12	35.3	2.92	33.6	3.12
		240.0	42.3	3.88	39.8	3.50	37.9	3.50	36.9	3.12	35.3	2.92	33.6	3.12
		288.0	42.3	3.88	39.8	3.50	37.9	3.60	36.9	3.12	35.3	2.92	33.6	3.12
50	-5	76.8	14.1	4.55	13.3	4.31	12.5	4.08	12.3	3.86	12.3	3.62	12.1	3.43
		96.0	14.6	4.65	13.7	4.41	13.0	4.16	12.8	3.94	12.7	3.70	12.5	3.50
		192.0	16.5	5.03	15.5	4.79	14.7	4.51	14.5	4.29	14.4	4.02	14.1	3.78
		240.0	18.2	5.43	17.1	5.15	16.2	4.87	16.0	4.63	15.9	4.33	15.6	4.08
		288.0	19.1	5.64	17.9	5.33	16.9	5.05	16.8	4.80	16.6	4.48	16.4	4.24
	0	76.8	25.2	6.66	23.3	6.32	21.7	5.96	21.2	5.65	20.9	5.32	20.2	5.01
		96.0	25.3	6.68	23.4	6.34	21.8	5.98	21.3	5.67	21.0	5.33	20.3	5.03
		192.0	25.9	6.74	24.0	6.40	22.3	6.06	21.9	5.75	21.6	5.39	20.7	5.09
		240.0	26.3	6.74	24.3	6.40	22.6	6.06	22.2	5.75	21.9	5.39	21.1	5.09
		288.0	26.5	6.74	24.5	6.40	22.8	6.06	22.4	5.75	22.0	5.39	21.3	5.09
	5	76.8	34.8	7.25	33.0	6.87	31.5	6.48	30.7	6.17	29.4	5.79	28.0	5.44
		96.0	34.9	7.28	33.1	6.90	31.5	6.52	30.7	6.20	29.4	5.81	28.0	5.47
		192.0	35.2	7.42	33.3	7.04	31.5	6.66	30.7	6.32	29.4	5.92	28.0	5.59
		240.0	35.2	7.48	33.2	7.10	31.5	6.70	30.7	6.36	29.4	5.98	28.0	5.63
		288.0	35.2	7.52	33.2	7.13	31.5	6.72	30.7	6.38	29.4	6.01	28.0	5.65

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.

2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(20HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	76.8	35.0	6.67	33.1	6.28	31.5	5.91	30.7	5.64	29.4	5.22	28.0	4.98
		96.0	35.0	6.66	33.1	6.28	31.5	5.90	30.7	5.63	29.4	5.23	28.0	4.97
		192.0	35.2	6.62	33.3	6.26	31.5	5.86	30.7	5.59	29.4	5.29	28.0	4.93
		240.0	35.2	6.66	33.2	6.28	31.5	5.88	30.7	5.61	29.4	5.21	28.0	4.95
		288.0	35.2	6.68	33.2	6.29	31.5	5.89	30.7	5.62	29.4	5.17	28.0	4.96
	15	76.8	35.2	6.09	33.2	5.68	31.5	5.30	30.7	5.10	29.4	4.67	28.0	4.51
		96.0	35.2	6.04	33.2	5.63	31.5	5.25	30.7	5.05	29.4	4.67	28.0	4.47
		192.0	35.2	5.84	33.2	5.45	31.5	5.05	30.7	4.87	29.4	4.67	28.0	4.29
		240.0	35.2	5.84	33.2	5.45	31.5	5.05	30.7	4.87	29.4	4.47	28.0	4.29
		288.0	35.2	5.84	33.2	5.45	31.5	5.05	30.7	4.87	29.4	4.37	28.0	4.29
	20	76.8	35.2	5.30	33.2	4.92	31.5	4.72	30.7	4.51	29.4	4.34	28.0	3.88
		96.0	35.2	5.25	33.2	4.87	31.5	4.67	30.7	4.47	29.4	4.29	28.0	3.88
		192.0	35.2	5.05	33.2	4.67	31.5	4.47	30.7	4.29	29.4	4.08	28.0	3.88
		240.0	35.2	5.05	33.2	4.67	31.5	4.47	30.7	4.29	29.4	4.08	28.0	3.88
		288.0	35.2	5.05	33.2	4.67	31.5	4.47	30.7	4.29	29.4	4.08	28.0	3.88
	25	76.8	35.2	4.72	33.2	4.29	31.5	4.14	30.7	3.88	29.4	3.70	28.0	3.50
		96.0	35.2	4.67	33.2	4.29	31.5	4.08	30.7	3.88	29.4	3.70	28.0	3.50
		192.0	35.2	4.47	33.2	4.29	31.5	3.88	30.7	3.88	29.4	3.70	28.0	3.50
		240.0	35.2	4.47	33.2	4.29	31.5	3.88	30.7	3.88	29.4	3.70	28.0	3.50
		288.0	35.2	4.47	33.2	4.29	31.5	3.88	30.7	3.88	29.4	3.70	28.0	3.50
	30	76.8	35.2	4.34	33.2	3.93	31.5	3.75	30.7	3.50	29.4	3.55	28.0	3.35
		96.0	35.2	4.29	33.2	3.88	31.5	3.70	30.7	3.50	29.4	3.50	28.0	3.30
		192.0	35.2	4.08	33.2	3.70	31.5	3.50	30.7	3.50	29.4	3.30	28.0	3.12
		240.0	35.2	4.08	33.2	3.70	31.5	3.50	30.7	3.50	29.4	3.30	28.0	3.12
		288.0	35.2	4.08	33.2	3.70	31.5	3.50	30.7	3.50	29.4	3.30	28.0	3.12
	35	76.8	35.2	3.93	33.2	3.50	31.5	3.30	30.7	3.35	29.4	3.12	28.0	2.92
		96.0	35.2	3.88	33.2	3.50	31.5	3.30	30.7	3.30	29.4	3.12	28.0	2.92
		192.0	35.2	3.70	33.2	3.50	31.5	3.30	30.7	3.12	29.4	3.12	28.0	2.92
		240.0	35.2	3.70	33.2	3.50	31.5	3.30	30.7	3.12	29.4	3.12	28.0	2.92
		288.0	35.2	3.70	33.2	3.50	31.5	3.30	30.7	3.12	29.4	3.12	28.0	2.92
	40	76.8	35.2	3.55	33.2	3.35	31.5	3.17	30.7	2.92	29.4	2.97	28.0	2.72
		96.0	35.2	3.50	33.2	3.30	31.5	3.12	30.7	2.92	29.4	2.92	28.0	2.72
		192.0	35.2	3.30	33.2	3.12	31.5	2.92	30.7	2.92	29.4	2.72	28.0	2.72
		240.0	35.2	3.30	33.2	3.12	31.5	2.92	30.7	2.92	29.4	2.72	28.0	2.72
		288.0	35.2	3.30	33.2	3.12	31.5	2.92	30.7	2.92	29.4	2.72	28.0	2.72
	45	76.8	35.2	3.17	33.2	3.22	31.5	3.01	30.7	2.49	29.4	2.81	28.0	2.54
		96.0	35.2	3.12	33.2	3.12	31.5	2.92	30.7	2.54	29.4	2.72	28.0	2.54
		192.0	35.2	2.92	33.2	2.72	31.5	2.54	30.7	2.72	29.4	2.33	28.0	2.54
		240.0	35.2	2.92	33.2	2.72	31.5	2.54	30.7	2.72	29.4	2.33	28.0	2.54
		288.0	35.2	2.92	33.2	2.72	31.5	2.54	30.7	2.72	29.4	2.33	28.0	2.54

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

ARWN220LAS4

Heating Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	84.8	32.8	12.66	32.5	11.92	32.4	11.10	31.9	10.77	32.3	10.49	31.4	9.40
		106.0	33.9	12.88	33.7	12.15	33.5	11.34	33.0	11.01	33.4	10.71	32.5	9.61
		212.0	38.4	13.76	38.0	13.07	37.8	12.30	37.3	11.94	37.8	11.61	36.8	10.42
		265.0	42.4	14.63	42.0	13.97	41.8	13.26	41.3	12.90	41.8	12.53	40.7	11.24
		318.0	44.5	15.07	44.0	14.42	43.8	13.74	43.2	13.39	43.8	12.99	42.6	11.65
	0	84.8	58.6	17.32	57.2	16.80	56.0	16.25	54.8	15.79	55.0	15.36	52.5	13.76
		106.0	58.9	17.36	57.6	16.84	56.3	16.30	55.1	15.84	55.3	15.40	52.8	13.80
		212.0	60.3	17.55	58.9	17.01	57.6	16.49	56.4	16.03	56.6	15.57	54.1	13.97
		265.0	61.2	17.55	59.8	17.01	58.5	16.49	57.2	16.03	57.4	15.57	54.9	13.97
		318.0	61.7	17.55	60.2	17.01	59.0	16.49	57.7	16.03	57.9	15.57	55.2	13.97
	5	84.8	84.3	18.61	83.1	18.15	81.3	17.69	79.3	17.19	77.2	16.72	72.9	14.97
		106.0	84.6	18.70	83.2	18.24	81.4	17.78	79.3	17.28	77.2	16.80	72.9	15.05
		212.0	85.8	19.03	83.8	18.57	81.4	18.14	79.3	17.63	77.2	17.13	72.9	15.36
		265.0	86.3	19.16	84.1	18.70	81.4	18.26	79.3	17.76	77.2	17.26	72.9	15.47
		318.0	86.6	19.22	84.2	18.76	81.4	18.32	79.3	17.82	77.2	17.32	72.9	15.52
	10	84.8	84.5	16.94	83.1	16.37	81.1	16.06	79.0	15.70	76.9	15.16	72.6	13.68
		106.0	85.0	16.91	83.5	16.38	81.4	16.09	79.3	15.70	77.2	15.15	72.9	13.67
		212.0	87.0	16.78	85.0	16.45	82.7	16.22	80.6	15.68	78.3	15.11	74.1	13.63
		265.0	87.4	17.01	85.6	16.68	83.2	16.28	81.0	15.74	78.8	15.36	74.5	14.28
		318.0	87.6	17.12	85.9	16.79	83.5	16.31	81.2	15.77	79.1	15.49	74.7	14.60
	15	84.8	84.6	15.27	83.1	14.61	80.8	14.46	78.6	14.22	76.6	13.61	72.3	12.40
		106.0	85.3	15.11	83.7	14.55	81.4	14.42	79.3	14.11	77.2	13.51	72.9	12.30
		212.0	88.1	14.51	86.3	14.30	84.0	14.30	81.9	13.70	79.5	13.09	75.2	11.88
		265.0	88.5	14.86	87.1	14.63	85.0	14.30	82.7	13.70	80.6	13.47	76.1	13.09
		318.0	88.7	15.04	87.5	14.80	85.5	14.30	83.1	13.70	81.1	13.65	76.6	13.70
	20	84.8	87.8	14.00	86.2	13.35	83.9	13.06	81.6	12.64	79.2	12.36	74.5	11.98
		106.0	88.5	13.90	86.9	13.34	84.6	13.05	82.3	12.69	79.9	12.44	75.2	11.88
		212.0	91.3	13.51	89.7	13.30	87.2	13.01	84.8	12.90	82.7	12.78	78.0	11.49
		265.0	91.7	13.51	90.3	13.30	88.2	13.09	85.7	12.90	83.4	12.78	78.6	12.22
		318.0	91.9	13.51	90.6	13.30	88.7	13.13	86.1	12.90	83.7	12.78	79.0	12.58
	25	84.8	92.7	13.35	90.3	12.97	88.2	12.75	86.5	12.53	84.6	12.35	79.7	11.54
		106.0	92.7	13.30	90.3	12.94	88.2	12.69	86.5	12.49	84.6	12.30	79.7	11.49
		212.0	92.7	13.09	90.3	12.86	88.2	12.49	86.5	12.30	84.6	12.09	79.7	11.28
		265.0	92.7	12.90	90.3	12.53	88.2	12.30	86.5	12.09	84.6	11.88	79.7	11.09
		318.0	92.7	12.81	90.3	12.36	88.2	12.20	86.5	11.98	84.6	11.78	79.7	10.99
	30	84.8	92.7	13.01	90.3	12.36	88.2	12.25	86.5	11.93	84.6	11.80	79.7	10.98
		106.0	92.7	12.90	90.3	12.34	88.2	12.17	86.5	11.88	84.6	11.69	79.7	10.88
		212.0	92.7	12.49	90.3	12.26	88.2	11.88	86.5	11.69	84.6	11.28	79.7	10.48
		265.0	92.7	12.30	90.3	11.92	88.2	11.69	86.5	11.49	84.6	11.28	79.7	10.48
		318.0	92.7	12.20	90.3	11.76	88.2	11.60	86.5	11.38	84.6	11.28	79.7	10.48
	35	84.8	92.7	12.40	90.3	11.99	88.2	11.75	86.5	11.32	84.6	10.93	79.7	10.17
		106.0	92.7	12.30	90.3	11.92	88.2	11.69	86.5	11.28	84.6	10.88	79.7	10.07
		212.0	92.7	11.88	90.3	11.65	88.2	11.49	86.5	11.09	84.6	10.67	79.7	9.67
		265.0	92.7	11.88	90.3	11.53	88.2	11.28	86.5	10.88	84.6	10.48	79.7	9.67
		318.0	92.7	11.88	90.3	11.46	88.2	11.17	86.5	10.78	84.6	10.39	79.7	9.67
	40	84.8	92.7	11.98	90.3	11.60	88.2	11.38	86.5	10.98	84.6	10.59	79.7	9.56
		106.0	92.7	11.88	90.3	11.53	88.2	11.28	86.5	10.88	84.6	10.48	79.7	9.46
		212.0	92.7	11.49	90.3	11.24	88.2	10.88	86.5	10.48	84.6	10.07	79.7	9.07
		265.0	92.7	11.28	90.3	11.05	88.2	10.88	86.5	10.48	84.6	10.07	79.7	9.07
		318.0	92.7	11.17	90.3	10.95	88.2	10.88	86.5	10.48	84.6	10.07	79.7	9.07
	45	84.8	92.7	11.59	90.3	11.20	88.2	11.03	86.5	10.64	84.6	10.22	79.7	8.96
		106.0	92.7	11.49	90.3	11.13	88.2	10.88	86.5	10.48	84.6	10.07	79.7	8.86
		212.0	92.7	11.09	90.3	10.84	88.2	10.28	86.5	9.88	84.6	9.46	79.7	8.46
		265.0	92.7	10.67	90.3	10.57	88.2	10.48	86.5	10.07	84.6	9.67	79.7	8.46
		318.0	92.7	10.46	90.3	10.43	88.2	10.59	86.5	10.16	84.6	9.78	79.7	8.46
120	-5	84.8	31.2	12.66	30.9	11.92	30.7	11.10	30.4	10.63	30.6	10.32	29.8	9.24
		106.0	32.2	12.88	32.0	12.15	31.8	11.34	31.4	10.86	31.7	10.55	30.8	9.44
		212.0	36.5	13.76	36.2	13.07	36.0	12.30	35.5	11.78	35.8	11.44	34.9	10.26
		265.0	40.3	14.63	40.0	13.97	39.7	13.26	39.3	12.72	39.6	12.34	38.5	11.05
		318.0	42.2	15.07	41.9	14.42	41.6	13.74	41.1	13.19	41.5	12.79	40.3	11.45
	0	84.8	55.7	17.32	54.3	16.80	53.2	16.25	52.1	15.57	52.1	15.13	49.7	13.53
		106.0	56.0	17.36	54.7	16.84	53.5	16.30	52.4	15.61	52.4	15.18	50.0	13.57
		212.0	57.3	17.55	56.0	17.01	54.8	16.49	53.6	15.80	53.6	15.34	51.2	13.74
		265.0	58.2	17.55	56.9	17.01	55.6	16.49	54.5	15.80	54.4	15.34	52.0	13.74
		318.0	58.7	17.55	57.3	17.01	56.1	16.49	54.9	15.80	54.8	15.34	52.4	13.74

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	84.8	80.3	18.61	79.1	18.15	77.4	17.69	75.5	16.94	73.1	16.47	69.1	14.75
		106.0	80.6	18.70	79.2	18.24	77.4	17.78	75.5	17.03	73.1	16.55	69.1	14.82
		212.0	81.7	19.03	79.8	18.57	77.4	18.14	75.5	17.38	73.1	16.88	69.1	15.11
		265.0	82.2	19.16	79.4	18.70	77.4	18.26	75.5	17.51	73.1	17.01	69.1	15.22
		318.0	82.4	19.22	79.1	18.76	77.4	18.32	75.5	17.57	73.1	17.07	69.1	15.27
	10	84.8	80.6	16.72	79.1	16.26	77.1	15.93	75.3	15.45	72.9	14.94	68.9	13.43
		106.0	81.0	16.78	79.4	16.32	77.4	15.99	75.5	15.47	73.1	14.92	69.1	13.44
		212.0	82.5	17.01	80.7	16.57	78.2	16.22	76.3	15.55	73.9	14.88	69.8	13.51
		265.0	82.9	16.95	80.5	16.57	78.5	16.28	76.6	15.61	74.2	14.95	70.1	13.97
		318.0	83.1	16.92	80.3	16.57	78.7	16.31	76.8	15.64	74.4	14.98	70.3	14.20
	15	84.8	80.8	14.83	79.2	14.39	76.9	14.17	75.1	13.96	72.7	13.40	68.7	12.14
		106.0	81.3	14.86	79.7	14.42	77.4	14.20	75.5	13.90	73.1	13.30	69.1	12.09
		212.0	83.2	14.99	81.6	14.55	79.1	14.30	77.2	13.70	74.6	12.90	70.6	11.88
		265.0	83.6	14.76	81.5	14.42	79.7	14.30	77.8	13.70	75.2	12.90	71.2	12.69
		318.0	83.8	14.64	81.5	14.36	80.1	14.30	78.1	13.70	75.6	12.90	71.6	13.10
	20	84.8	83.1	13.34	81.5	12.77	79.0	12.43	76.9	12.25	74.4	12.10	70.4	11.49
		106.0	83.6	13.34	82.0	12.82	79.5	12.49	77.4	12.30	74.8	12.09	70.8	11.44
		212.0	85.7	13.34	83.9	13.01	81.2	12.69	79.3	12.49	76.7	12.05	72.5	11.28
		265.0	86.1	13.22	83.9	12.90	81.9	12.69	79.7	12.49	77.2	12.09	72.9	11.69
		318.0	86.3	13.15	83.8	12.85	82.2	12.69	80.0	12.49	77.4	12.11	73.1	11.90
	25	84.8	87.1	12.62	84.6	12.03	81.9	11.80	80.1	11.54	78.0	11.32	73.7	10.54
		106.0	87.2	12.57	84.6	12.01	81.9	11.78	80.1	11.49	78.0	11.28	73.7	10.48
		212.0	87.4	12.38	84.6	11.92	81.9	11.69	80.1	11.28	78.0	11.09	73.7	10.28
		265.0	87.6	11.92	84.6	11.61	81.9	11.49	80.1	11.28	78.0	10.88	73.7	10.28
		318.0	87.7	11.69	84.6	11.45	81.9	11.38	80.1	11.28	78.0	10.78	73.7	10.28
	30	84.8	87.6	12.06	84.6	11.47	81.9	11.14	80.1	10.72	78.0	10.59	73.7	9.72
		106.0	87.6	11.96	84.6	11.40	81.9	11.09	80.1	10.67	78.0	10.48	73.7	9.67
		212.0	87.6	11.57	84.6	11.13	81.9	10.88	80.1	10.48	78.0	10.07	73.7	9.46
		265.0	87.6	11.19	84.6	10.88	81.9	10.67	80.1	10.48	78.0	10.07	73.7	9.28
		318.0	87.6	11.00	84.6	10.75	81.9	10.57	80.1	10.48	78.0	10.07	73.7	9.18
	35	84.8	87.6	11.52	84.6	10.90	81.9	10.59	80.1	10.17	78.0	9.77	73.7	8.91
		106.0	87.6	11.36	84.6	10.80	81.9	10.48	80.1	10.07	78.0	9.67	73.7	8.86
		212.0	87.6	10.71	84.6	10.40	81.9	10.07	80.1	9.67	78.0	9.28	73.7	8.67
		265.0	87.6	10.59	84.6	10.32	81.9	10.07	80.1	9.67	78.0	9.28	73.7	8.46
		318.0	87.6	10.53	84.6	10.28	81.9	10.07	80.1	9.67	78.0	9.28	73.7	8.36
	40	84.8	87.6	11.18	84.6	10.40	81.9	9.99	80.1	9.56	78.0	9.17	73.7	8.30
		106.0	87.6	10.96	84.6	10.28	81.9	9.88	80.1	9.46	78.0	9.07	73.7	8.25
		212.0	87.6	10.11	84.6	9.80	81.9	9.46	80.1	9.07	78.0	8.67	73.7	8.07
		265.0	87.6	9.98	84.6	9.67	81.9	9.46	80.1	9.07	78.0	8.67	73.7	7.86
		318.0	87.6	9.92	84.6	9.61	81.9	9.46	80.1	9.07	78.0	8.67	73.7	7.75
	45	84.8	87.6	10.84	84.6	9.90	81.9	9.38	80.1	8.96	78.0	8.56	73.7	7.70
		106.0	87.6	10.57	84.6	9.76	81.9	9.28	80.1	8.86	78.0	8.46	73.7	7.65
		212.0	87.6	9.51	84.6	9.19	81.9	8.86	80.1	8.46	78.0	8.07	73.7	7.46
		265.0	87.6	9.38	84.6	9.03	81.9	8.86	80.1	8.46	78.0	8.07	73.7	7.25
		318.0	87.6	9.32	84.6	8.94	81.9	8.86	80.1	8.46	78.0	8.07	73.7	7.15
110	-5	84.8	29.5	12.83	29.3	11.92	29.1	11.10	28.8	10.63	28.9	10.32	28.2	9.24
		106.0	30.5	13.05	30.3	12.15	30.1	11.34	29.8	10.86	29.8	10.55	29.2	9.44
		212.0	34.5	13.92	34.3	13.07	34.1	12.30	33.7	11.78	33.7	11.44	33.1	10.26
		265.0	38.1	14.82	37.8	13.97	37.6	13.26	37.3	12.72	37.3	12.34	36.5	11.05
		318.0	39.9	15.27	39.6	14.42	39.4	13.74	39.0	13.19	39.0	12.79	38.2	11.45
	0	84.8	52.7	17.55	51.5	16.80	50.4	16.25	49.5	15.57	49.0	15.13	47.2	13.53
		106.0	53.0	17.59	51.8	16.84	50.7	16.30	49.8	15.61	49.3	15.18	47.4	13.57
		212.0	54.2	17.76	53.1	17.01	51.9	16.49	50.9	15.80	50.5	15.34	48.5	13.74
		265.0	55.1	17.76	53.9	17.01	52.7	16.49	51.7	15.80	51.2	15.34	49.3	13.74
		318.0	55.5	17.76	54.3	17.01	53.2	16.49	52.1	15.80	51.6	15.34	49.6	13.74
	5	84.8	76.8	18.86	75.0	18.15	73.3	17.69	71.6	16.94	68.8	16.47	65.5	14.75
		106.0	77.1	18.95	75.2	18.24	73.3	17.78	71.6	17.03	68.8	16.55	65.5	14.82
		212.0	78.1	19.28	75.7	18.57	73.4	18.14	71.6	17.38	68.8	16.88	65.5	15.11
		265.0	78.6	19.41	75.9	18.70	73.4	18.26	71.6	17.51	68.8	17.01	65.5	15.22
		318.0	78.8	19.47	76.0	18.76	73.4	18.32	71.6	17.57	68.8	17.07	65.5	15.27
	10	84.8	77.1	16.92	75.2	16.34	73.2	15.98	71.5	15.45	68.7	14.94	65.4	13.43
		106.0	77.4	16.95	75.4	16.38	73.3	16.03	71.6	15.47	68.8	14.92	65.5	13.44
		212.0	78.6	17.07	76.2	16.57	73.7	16.22	72.1	15.55	69.3	14.88	65.8	13.51
		265.0	79.0	17.07	76.5	16.57	74.0	16.18	72.2	15.51	69.4	14.95	66.0	13.65
		318.0	79.3	17.07	76.7	16.57	74.1	16.15	72.3	15.49	69.5	14.98	66.1	13.73

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	84.8	77.4	14.97	75.3	14.55	73.1	14.30	71.4	13.96	68.6	13.40	65.3	12.14
		106.0	77.7	14.95	75.6	14.55	73.4	14.30	71.6	13.90	68.8	13.30	65.5	12.09
		212.0	79.0	14.86	76.7	14.55	74.2	14.30	72.5	13.70	69.8	12.90	66.1	11.88
		265.0	79.4	14.76	77.1	14.42	74.6	14.11	72.7	13.51	69.9	12.90	66.5	12.09
		318.0	79.6	14.71	77.3	14.36	74.8	14.02	72.8	13.41	70.0	12.90	66.7	12.20
	20	84.8	78.8	12.92	76.6	12.61	74.2	12.30	72.2	12.09	69.5	11.75	65.9	10.99
		106.0	79.2	12.94	76.9	12.61	74.4	12.30	72.5	12.09	69.8	11.69	66.1	10.96
		212.0	80.9	13.05	77.9	12.61	75.2	12.30	73.6	12.09	70.6	11.49	67.2	10.88
		265.0	81.4	13.05	78.6	12.61	75.7	12.30	73.7	11.88	71.0	11.49	67.4	10.88
		318.0	81.6	13.05	78.9	12.61	75.9	12.30	73.8	11.78	71.2	11.49	67.5	10.88
	25	84.8	81.3	11.76	78.8	11.32	75.7	11.14	74.0	10.72	71.4	10.33	67.6	9.46
		106.0	81.4	11.74	78.8	11.28	75.7	11.09	74.0	10.67	71.4	10.28	67.6	9.46
		212.0	82.1	11.65	78.8	11.09	75.7	10.88	74.0	10.48	71.4	10.07	67.6	9.46
		265.0	82.5	11.65	78.8	11.13	75.7	10.67	74.0	10.48	71.4	9.88	67.6	9.28
		318.0	82.6	11.65	78.8	11.15	75.7	10.57	74.0	10.48	71.4	9.79	67.6	9.18
	30	84.8	82.5	10.72	78.8	10.33	75.7	9.93	74.0	9.72	71.4	9.12	67.6	8.52
		106.0	82.5	10.67	78.8	10.28	75.7	9.88	74.0	9.67	71.4	9.07	67.6	8.46
		212.0	82.5	10.48	78.8	10.07	75.7	9.67	74.0	9.46	71.4	8.86	67.6	8.25
		265.0	82.5	10.40	78.8	9.88	75.7	9.46	74.0	9.28	71.4	8.86	67.6	8.25
		318.0	82.5	10.36	78.8	9.79	75.7	9.36	74.0	9.18	71.4	8.86	67.6	8.25
	35	84.8	82.5	10.17	78.8	9.51	75.7	9.12	74.0	8.72	71.4	8.30	67.6	7.70
		106.0	82.5	10.07	78.8	9.46	75.7	9.07	74.0	8.67	71.4	8.25	67.6	7.65
		212.0	82.5	9.67	78.8	9.28	75.7	8.86	74.0	8.46	71.4	8.07	67.6	7.46
		265.0	82.5	9.42	78.8	9.07	75.7	8.67	74.0	8.46	71.4	8.07	67.6	7.46
		318.0	82.5	9.30	78.8	8.96	75.7	8.58	74.0	8.46	71.4	8.07	67.6	7.46
	40	84.8	82.5	9.56	78.8	9.17	75.7	8.56	74.0	8.12	71.4	7.70	67.6	7.09
		106.0	82.5	9.46	78.8	9.07	75.7	8.46	74.0	8.07	71.4	7.65	67.6	7.05
		212.0	82.5	9.07	78.8	8.67	75.7	8.07	74.0	7.86	71.4	7.46	67.6	6.86
		265.0	82.5	8.94	78.8	8.46	75.7	8.07	74.0	7.65	71.4	7.25	67.6	6.65
		318.0	82.5	8.88	78.8	8.36	75.7	8.07	74.0	7.55	71.4	7.15	67.6	6.54
	45	84.8	82.5	8.96	78.8	8.82	75.7	8.01	74.0	7.52	71.4	7.09	67.6	6.49
		106.0	82.5	8.86	78.8	8.67	75.7	7.86	74.0	7.46	71.4	7.05	67.6	6.44
		212.0	82.5	8.46	78.8	8.07	75.7	7.25	74.0	7.25	71.4	6.86	67.6	6.25
		265.0	82.5	8.46	78.8	7.86	75.7	7.46	74.0	6.86	71.4	6.44	67.6	5.84
		318.0	82.5	8.46	78.8	7.75	75.7	7.57	74.0	6.66	71.4	6.23	67.6	5.63
100	-5	84.8	27.9	12.83	27.7	12.09	27.5	11.10	27.3	10.63	27.0	10.15	26.5	9.24
		106.0	28.8	13.05	28.6	12.32	28.5	11.34	28.2	10.86	28.0	10.38	27.5	9.44
		212.0	32.6	13.92	32.4	13.24	32.2	12.30	31.9	11.78	31.7	11.28	31.1	10.26
		265.0	36.0	14.82	35.8	14.15	35.6	13.26	35.3	12.72	35.0	12.15	34.4	11.05
		318.0	37.8	15.27	37.5	14.62	37.3	13.74	37.0	13.19	36.7	12.59	36.0	11.45
	0	84.8	49.8	17.55	48.7	17.03	47.7	16.25	46.8	15.57	46.0	14.90	44.4	13.53
		106.0	50.1	17.59	49.0	17.07	48.0	16.30	47.1	15.61	46.3	14.95	44.7	13.57
		212.0	51.2	17.76	50.2	17.24	49.1	16.49	48.2	15.80	47.4	15.11	45.7	13.74
		265.0	52.0	17.76	50.9	17.24	49.8	16.49	48.9	15.80	48.1	15.11	46.4	13.74
		318.0	52.4	17.76	51.3	17.24	50.2	16.49	49.3	15.80	48.4	15.11	46.8	13.74
	5	84.8	73.5	18.86	71.0	18.41	69.2	17.69	67.8	16.94	64.6	16.22	61.6	14.75
		106.0	73.7	18.95	71.2	18.49	69.2	17.78	67.8	17.03	64.6	16.30	61.6	14.82
		212.0	74.8	19.28	71.7	18.82	69.3	18.14	67.8	17.38	64.6	16.63	61.6	15.11
		265.0	75.2	19.41	71.9	18.95	69.3	18.26	67.8	17.51	64.6	16.74	61.6	15.22
		318.0	75.5	19.47	72.0	19.01	69.3	18.32	67.8	17.57	64.6	16.79	61.6	15.27
	10	84.8	73.9	16.87	71.3	16.50	69.3	15.98	67.8	15.45	64.6	14.68	61.6	13.43
		106.0	74.1	16.95	71.4	16.55	69.3	16.03	67.8	15.47	64.6	14.70	61.6	13.44
		212.0	74.8	17.26	71.7	16.76	69.3	16.22	67.8	15.55	64.6	14.76	61.6	13.51
		265.0	75.3	17.20	72.1	16.76	69.3	16.18	67.8	15.51	64.6	14.72	61.6	13.44
		318.0	75.6	17.17	72.2	16.76	69.3	16.15	67.8	15.49	64.6	14.70	61.6	13.41
	15	84.8	74.3	14.87	71.6	14.62	69.3	14.30	67.8	13.96	64.6	13.14	61.6	12.14
		106.0	74.4	14.95	71.6	14.63	69.3	14.30	67.8	13.90	64.6	13.09	61.6	12.09
		212.0	74.8	15.24	71.8	14.67	69.3	14.30	67.8	13.70	64.6	12.90	61.6	11.88
		265.0	75.4	14.99	72.2	14.55	69.3	14.11	67.8	13.51	64.6	12.69	61.6	11.69
		318.0	75.7	14.86	72.4	14.49	69.3	14.02	67.8	13.41	64.6	12.59	61.6	11.60
	20	84.8	74.7	12.72	72.0	12.39	69.3	12.09	67.8	11.93	64.6	11.14	61.6	10.59
		106.0	75.0	12.78	72.0	12.40	69.3	12.09	67.8	11.88	64.6	11.09	61.6	10.48
		212.0	76.1	13.01	72.2	12.44	69.3	12.09	67.8	11.69	64.6	10.88	61.6	10.07
		265.0	76.5	12.78	72.8	12.34	69.3	11.88	67.8	11.49	64.6	10.67	61.6	9.88
		318.0	76.7	12.66	73.2	12.29	69.3	11.78	67.8	11.38	64.6	10.57	61.6	9.79

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	84.8	75.6	11.12	73.1	10.77	69.3	10.33	67.8	9.93	64.6	9.33	61.6	8.46
		106.0	75.9	11.13	73.1	10.71	69.3	10.28	67.8	9.88	64.6	9.28	61.6	8.46
		212.0	77.0	11.17	73.1	10.48	69.3	10.07	67.8	9.67	64.6	9.07	61.6	8.46
		265.0	77.4	10.92	73.1	10.40	69.3	9.88	67.8	9.46	64.6	9.07	61.6	8.25
		318.0	77.6	10.80	73.1	10.36	69.3	9.79	67.8	9.36	64.6	9.07	61.6	8.15
	30	84.8	77.4	10.12	73.1	9.33	69.3	8.69	67.8	8.52	64.6	7.86	61.6	7.52
		106.0	77.4	10.07	73.1	9.28	69.3	8.67	67.8	8.46	64.6	7.86	61.6	7.46
		212.0	77.4	9.88	73.1	9.07	69.3	8.59	67.8	8.25	64.6	7.86	61.6	7.25
		265.0	77.4	9.67	73.1	9.07	69.3	8.46	67.8	8.25	64.6	7.65	61.6	7.25
		318.0	77.4	9.57	73.1	9.07	69.3	8.40	67.8	8.25	64.6	7.55	61.6	7.25
	35	84.8	77.4	9.38	73.1	8.56	69.3	7.67	67.8	7.52	64.6	7.09	61.6	6.49
		106.0	77.4	9.28	73.1	8.46	69.3	7.65	67.8	7.46	64.6	7.05	61.6	6.44
		212.0	77.4	8.86	73.1	8.07	69.3	7.57	67.8	7.25	64.6	6.86	61.6	6.25
		265.0	77.4	8.86	73.1	8.07	69.3	7.46	67.8	7.25	64.6	6.86	61.6	6.25
		318.0	77.4	8.86	73.1	8.07	69.3	7.41	67.8	7.25	64.6	6.86	61.6	6.25
	40	84.8	77.4	8.78	73.1	7.96	69.3	6.88	67.8	6.70	64.6	6.31	61.6	5.88
		106.0	77.4	8.67	73.1	7.86	69.3	6.86	67.8	6.65	64.6	6.25	61.6	5.84
		212.0	77.4	8.25	73.1	7.46	69.3	6.77	67.8	6.44	64.6	6.05	61.6	5.65
		265.0	77.4	8.07	73.1	7.46	69.3	6.65	67.8	6.44	64.6	6.05	61.6	5.65
		318.0	77.4	7.97	73.1	7.46	69.3	6.59	67.8	6.44	64.6	6.05	61.6	5.65
	45	84.8	77.4	8.17	73.1	7.35	69.3	6.07	67.8	5.88	64.6	5.49	61.6	5.28
		106.0	77.4	8.07	73.1	7.25	69.3	6.05	67.8	5.84	64.6	5.44	61.6	5.23
		212.0	77.4	7.65	73.1	6.86	69.3	5.96	67.8	5.65	64.6	5.23	61.6	5.04
		265.0	77.4	7.25	73.1	6.86	69.3	5.84	67.8	5.65	64.6	5.23	61.6	5.04
		318.0	77.4	7.05	73.1	6.86	69.3	5.77	67.8	5.65	64.6	5.23	61.6	5.04
90	-5	84.8	26.3	11.91	25.5	10.84	24.7	9.52	24.6	9.08	24.4	8.75	23.9	7.85
		106.0	27.2	12.11	26.4	11.05	25.6	9.73	25.4	9.28	25.2	8.94	24.8	8.03
		212.0	30.8	12.92	29.8	11.86	28.9	10.57	28.8	10.07	28.6	9.71	28.0	8.71
		265.0	34.0	13.74	32.9	12.69	32.0	11.40	31.7	10.86	31.5	10.46	30.9	9.40
		318.0	35.7	14.15	34.5	13.11	33.5	11.82	33.2	11.26	33.0	10.84	32.4	9.75
	0	84.8	47.0	16.22	44.9	15.22	42.8	13.97	42.2	13.32	41.5	12.82	39.9	11.52
		106.0	47.3	16.26	45.1	15.26	43.1	14.01	42.4	13.36	41.7	12.86	40.2	11.55
		212.0	48.4	16.43	46.2	15.43	44.1	14.15	43.4	13.51	42.7	13.01	41.1	11.67
		265.0	49.1	16.43	46.9	15.43	44.8	14.15	44.0	13.51	43.4	13.01	41.8	11.67
		318.0	49.5	16.43	47.2	15.43	45.2	14.15	44.4	13.51	43.7	13.01	42.1	11.67
	5	84.8	66.5	17.41	64.3	16.43	62.3	15.21	61.0	14.50	58.3	13.95	55.5	12.53
		106.0	66.5	17.49	64.3	16.51	62.3	15.28	61.0	14.57	58.3	14.03	55.5	12.59
		212.0	66.8	17.80	64.1	16.82	62.3	15.57	61.0	14.86	58.3	14.32	55.5	12.84
		265.0	67.2	17.91	64.3	16.93	62.3	15.70	61.0	14.97	58.3	14.42	55.5	12.94
		318.0	67.4	17.96	64.4	16.98	62.3	15.76	61.0	15.02	58.3	14.48	55.5	13.00
	10	84.8	66.8	15.37	64.5	14.62	62.3	13.76	61.0	13.20	58.3	12.66	55.5	11.41
		106.0	66.8	15.38	64.5	14.63	62.3	13.78	61.0	13.22	58.3	12.65	55.5	11.42
		212.0	66.7	15.43	64.1	14.70	62.3	13.84	61.0	13.28	58.3	12.61	55.5	11.46
		265.0	67.1	15.38	64.3	14.65	62.3	13.80	61.0	13.24	58.3	12.65	55.5	11.51
		318.0	67.3	15.36	64.4	14.63	62.3	13.78	61.0	13.22	58.3	12.67	55.5	11.53
	15	84.8	67.2	13.31	64.8	12.83	62.3	12.35	61.0	11.93	58.3	11.38	55.5	10.33
		106.0	67.0	13.26	64.7	12.78	62.3	12.30	61.0	11.88	58.3	11.28	55.5	10.28
		212.0	66.6	13.05	64.2	12.57	62.3	12.09	61.0	11.69	58.3	10.88	55.5	10.07
		265.0	67.0	12.86	64.4	12.38	62.3	11.88	61.0	11.49	58.3	10.88	55.5	10.07
		318.0	67.3	12.77	64.5	12.29	62.3	11.78	61.0	11.38	58.3	10.88	55.5	10.07
	20	84.8	67.6	11.24	65.0	10.91	62.3	10.54	61.0	10.12	58.3	9.77	55.5	9.17
		106.0	67.5	11.24	64.9	10.88	62.3	10.48	61.0	10.07	58.3	9.67	55.5	9.07
		212.0	67.2	11.24	64.4	10.76	62.3	10.28	61.0	9.88	58.3	9.28	55.5	8.67
		265.0	67.4	11.05	64.6	10.67	62.3	10.28	61.0	9.88	58.3	9.28	55.5	8.67
		318.0	67.5	10.95	64.7	10.63	62.3	10.28	61.0	9.88	58.3	9.28	55.5	8.67
	25	84.8	68.7	9.82	65.9	9.30	62.3	8.91	61.0	8.46	58.3	8.12	55.5	7.52
		106.0	68.8	9.80	65.9	9.28	62.3	8.86	61.0	8.46	58.3	8.07	55.5	7.46
		212.0	69.5	9.71	65.9	9.19	62.3	8.67	61.0	8.46	58.3	7.86	55.5	7.25
		265.0	69.8	9.46	65.9	8.98	62.3	8.67	61.0	8.25	58.3	7.86	55.5	7.25
		318.0	69.9	9.34	65.9	8.88	62.3	8.67	61.0	8.15	58.3	7.86	55.5	7.25
	30	84.8	69.8	8.91	65.9	8.30	62.3	7.70	61.0	7.52	58.3	7.09	55.5	6.44
		106.0	69.8	8.86	65.9	8.25	62.3	7.65	61.0	7.46	58.3	7.05	55.5	6.44
		212.0	69.8	8.67	65.9	8.07	62.3	7.46	61.0	7.25	58.3	6.86	55.5	6.44
		265.0	69.8	8.46	65.9	7.86	62.3	7.46	61.0	7.25	58.3	6.86	55.5	6.25
		318.0	69.8	8.36	65.9	7.75	62.3	7.46	61.0	7.25	58.3	6.86	55.5	6.16

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ░ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	84.8	69.8	8.12	65.9	7.52	62.3	6.91	61.0	6.70	58.3	6.31	55.5	5.88
		106.0	69.8	8.07	65.9	7.46	62.3	6.86	61.0	6.65	58.3	6.25	55.5	5.84
		212.0	69.8	7.86	65.9	7.25	62.3	6.65	61.0	6.44	58.3	6.05	55.5	5.65
		265.0	69.8	7.65	65.9	7.05	62.3	6.44	61.0	6.25	58.3	6.05	55.5	5.65
		318.0	69.8	7.55	65.9	6.94	62.3	6.34	61.0	6.16	58.3	6.05	55.5	5.65
	40	84.8	69.8	7.57	65.9	6.91	62.3	6.10	61.0	5.88	58.3	5.70	55.5	5.28
		106.0	69.8	7.46	65.9	6.86	62.3	6.05	61.0	5.84	58.3	5.65	55.5	5.23
		212.0	69.8	7.05	65.9	6.65	62.3	5.84	61.0	5.65	58.3	5.44	55.5	5.04
		265.0	69.8	7.05	65.9	6.65	62.3	5.84	61.0	5.65	58.3	5.44	55.5	5.04
		318.0	69.8	7.05	65.9	6.65	62.3	5.84	61.0	5.65	58.3	5.44	55.5	5.04
	45	84.8	69.8	7.01	65.9	6.31	62.3	5.28	61.0	5.10	58.3	5.10	55.5	4.67
		106.0	69.8	6.86	65.9	6.25	62.3	5.23	61.0	5.04	58.3	5.04	55.5	4.63
		212.0	69.8	6.25	65.9	6.05	62.3	5.04	61.0	4.84	58.3	4.84	55.5	4.44
		265.0	69.8	6.44	65.9	6.25	62.3	5.23	61.0	5.04	58.3	4.84	55.5	4.44
		318.0	69.8	6.54	65.9	6.36	62.3	5.33	61.0	5.15	58.3	4.84	55.5	4.44
80	-5	84.8	24.9	8.48	23.3	8.16	22.1	7.82	21.8	7.55	21.7	7.20	21.2	6.63
		106.0	25.7	8.67	24.1	8.34	22.8	7.98	22.6	7.71	22.4	7.36	22.0	6.77
		212.0	29.1	9.42	27.3	9.05	25.8	8.65	25.5	8.36	25.4	7.98	24.9	7.34
		265.0	32.2	10.15	30.1	9.76	28.5	9.34	28.2	9.03	28.0	8.61	27.5	7.92
		318.0	33.7	10.52	31.5	10.11	29.9	9.69	29.5	9.36	29.4	8.92	28.8	8.22
	0	84.8	44.4	12.45	40.9	11.95	38.1	11.45	37.4	11.06	36.9	10.54	35.5	9.71
		106.0	44.7	12.49	41.2	11.99	38.4	11.49	37.6	11.09	37.1	10.57	35.7	9.73
		212.0	45.8	12.63	42.2	12.13	39.3	11.61	38.6	11.21	38.0	10.69	36.6	9.84
		265.0	46.4	12.63	42.8	12.13	39.9	11.61	39.1	11.21	38.6	10.69	37.1	9.84
		318.0	46.7	12.63	43.1	12.13	40.2	11.61	39.4	11.21	38.9	10.69	37.4	9.84
	5	84.8	61.4	13.54	58.0	13.03	55.4	12.44	54.2	12.03	51.9	11.47	49.3	10.55
		106.0	61.6	13.61	58.1	13.09	55.4	12.51	54.2	12.09	51.9	11.53	49.3	10.61
		212.0	62.1	13.90	58.5	13.34	55.5	12.78	54.2	12.34	51.9	11.76	49.3	10.84
		265.0	62.1	13.99	58.5	13.44	55.5	12.86	54.2	12.42	51.9	11.84	49.3	10.90
		318.0	62.1	14.03	58.4	13.50	55.5	12.90	54.2	12.47	51.9	11.88	49.3	10.93
	10	84.8	61.8	12.46	58.2	11.90	55.4	11.29	54.2	10.98	51.9	10.40	49.3	9.63
		106.0	61.8	12.44	58.3	11.88	55.4	11.30	54.2	10.99	51.9	10.40	49.3	9.63
		212.0	62.1	12.38	58.5	11.82	55.5	11.32	54.2	11.01	51.9	10.42	49.3	9.65
		265.0	62.1	12.34	58.5	11.86	55.5	11.36	54.2	10.94	51.9	10.36	49.3	9.59
		318.0	62.1	12.32	58.4	11.88	55.5	11.38	54.2	10.91	51.9	10.33	49.3	9.56
	15	84.8	62.1	11.38	58.5	10.77	55.5	10.12	54.2	9.93	51.9	9.33	49.3	8.72
		106.0	62.1	11.28	58.5	10.67	55.5	10.07	54.2	9.88	51.9	9.28	49.3	8.67
		212.0	62.1	10.88	58.5	10.28	55.5	9.88	54.2	9.67	51.9	9.07	49.3	8.46
		265.0	62.1	10.67	58.5	10.28	55.5	9.88	54.2	9.46	51.9	8.86	49.3	8.25
		318.0	62.1	10.57	58.5	10.28	55.5	9.88	54.2	9.36	51.9	8.75	49.3	8.15
	20	84.8	62.1	9.51	58.5	9.12	55.5	8.67	54.2	8.52	51.9	8.12	49.3	7.52
		106.0	62.1	9.46	58.5	9.07	55.5	8.67	54.2	8.46	51.9	8.07	49.3	7.46
		212.0	62.1	9.28	58.5	8.86	55.5	8.67	54.2	8.25	51.9	7.86	49.3	7.25
		265.0	62.1	9.07	58.5	8.67	55.5	8.46	54.2	8.25	51.9	7.65	49.3	7.25
		318.0	62.1	8.96	58.5	8.58	55.5	8.36	54.2	8.25	51.9	7.55	49.3	7.25
	25	84.8	62.1	8.52	58.5	7.91	55.5	7.46	54.2	7.31	51.9	6.91	49.3	6.49
		106.0	62.1	8.46	58.5	7.86	55.5	7.46	54.2	7.25	51.9	6.86	49.3	6.44
		212.0	62.1	8.25	58.5	7.65	55.5	7.46	54.2	7.05	51.9	6.65	49.3	6.25
		265.0	62.1	8.07	58.5	7.65	55.5	7.25	54.2	7.05	51.9	6.65	49.3	6.25
		318.0	62.1	7.97	58.5	7.65	55.5	7.15	54.2	7.05	51.9	6.65	49.3	6.25
	30	84.8	62.1	7.52	58.5	7.09	55.5	6.70	54.2	6.49	51.9	6.10	49.3	5.70
		106.0	62.1	7.46	58.5	7.05	55.5	6.65	54.2	6.44	51.9	6.05	49.3	5.65
		212.0	62.1	7.25	58.5	6.86	55.5	6.44	54.2	6.25	51.9	5.84	49.3	5.44
		265.0	62.1	7.25	58.5	6.86	55.5	6.44	54.2	6.25	51.9	5.84	49.3	5.44
		318.0	62.1	7.25	58.5	6.86	55.5	6.44	54.2	6.25	51.9	5.84	49.3	5.44
	35	84.8	62.1	6.91	58.5	6.49	55.5	5.88	54.2	5.65	51.9	5.49	49.3	5.04
		106.0	62.1	6.86	58.5	6.44	55.5	5.84	54.2	5.65	51.9	5.44	49.3	5.04
		212.0	62.1	6.65	58.5	6.25	55.5	5.65	54.2	5.65	51.9	5.23	49.3	5.04
		265.0	62.1	6.65	58.5	6.05	55.5	5.65	54.2	5.44	51.9	5.23	49.3	4.84
		318.0	62.1	6.65	58.5	5.94	55.5	5.65	54.2	5.34	51.9	5.23	49.3	4.73
	40	84.8	62.1	6.54	58.5	5.88	55.5	5.23	54.2	5.28	51.9	4.84	49.3	4.67
		106.0	62.1	6.44	58.5	5.84	55.5	5.23	54.2	5.23	51.9	4.84	49.3	4.63
		212.0	62.1	6.05	58.5	5.65	55.5	5.23	54.2	5.04	51.9	4.84	49.3	4.44
		265.0	62.1	6.05	58.5	5.65	55.5	5.04	54.2	5.04	51.9	4.84	49.3	4.44
		318.0	62.1	6.05	58.5	5.65	55.5	4.95	54.2	5.04	51.9	4.84	49.3	4.44

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	84.8	62.1	6.20	58.5	5.28	55.5	4.57	54.2	4.94	51.9	4.18	49.3	4.33
		106.0	62.1	6.05	58.5	5.23	55.5	4.63	54.2	4.84	51.9	4.23	49.3	4.23
		212.0	62.1	5.44	58.5	5.04	55.5	4.84	54.2	4.44	51.9	4.44	49.3	3.84
		265.0	62.1	5.44	58.5	5.23	55.5	4.44	54.2	4.63	51.9	4.44	49.3	4.02
		318.0	62.1	5.44	58.5	5.33	55.5	4.24	54.2	4.72	51.9	4.44	49.3	4.12
70	-5	84.8	21.7	7.28	20.4	6.93	19.3	6.71	19.1	6.33	18.9	6.10	18.6	5.55
		106.0	22.4	7.44	21.1	7.09	19.9	6.86	19.7	6.46	19.6	6.23	19.3	5.67
		212.0	25.4	8.07	23.9	7.69	22.5	7.44	22.3	7.00	22.2	6.75	21.8	6.15
		265.0	28.1	8.71	26.4	8.30	24.9	8.03	24.7	7.55	24.5	7.30	24.0	6.63
		318.0	29.5	9.04	27.6	8.60	26.1	8.32	25.9	7.82	25.7	7.57	25.2	6.87
	0	84.8	38.8	10.66	35.9	10.17	33.3	9.83	32.7	9.25	32.2	8.94	31.1	8.13
		106.0	39.1	10.69	36.1	10.19	33.5	9.86	32.9	9.28	32.4	8.96	31.3	8.15
		212.0	40.0	10.82	36.9	10.30	34.3	9.98	33.7	9.38	33.2	9.07	32.0	8.23
		265.0	40.5	10.82	37.5	10.30	34.8	9.98	34.2	9.38	33.7	9.07	32.5	8.23
		318.0	40.8	10.82	37.8	10.30	35.1	9.98	34.5	9.38	34.0	9.07	32.8	8.23
	5	84.8	53.6	11.62	50.8	11.05	48.4	10.70	47.4	10.08	45.3	9.72	43.1	8.83
		106.0	53.8	11.67	50.9	11.11	48.4	10.76	47.4	10.13	45.3	9.78	43.1	8.88
		212.0	54.2	11.90	51.3	11.34	48.5	10.99	47.4	10.32	45.3	9.98	43.1	9.07
		265.0	54.2	11.99	51.2	11.42	48.5	11.07	47.4	10.40	45.3	10.05	43.1	9.13
		318.0	54.2	12.03	51.2	11.46	48.5	11.11	47.4	10.44	45.3	10.08	43.1	9.16
	10	84.8	53.9	10.69	51.0	10.11	48.5	9.73	47.4	9.19	45.3	8.82	43.1	8.07
		106.0	54.0	10.67	51.1	10.09	48.5	9.71	47.4	9.19	45.3	8.82	43.1	8.07
		212.0	54.2	10.59	51.2	10.01	48.5	9.63	47.4	9.19	45.3	8.82	43.1	8.07
		265.0	54.2	10.63	51.2	10.05	48.5	9.67	47.4	9.23	45.3	8.75	43.1	8.09
		318.0	54.2	10.65	51.2	10.07	48.5	9.69	47.4	9.26	45.3	8.72	43.1	8.10
	15	84.8	54.2	9.77	51.2	9.17	48.5	8.78	47.4	8.30	45.3	7.91	43.1	7.31
		106.0	54.2	9.67	51.2	9.07	48.5	8.67	47.4	8.25	45.3	7.86	43.1	7.25
		212.0	54.2	9.28	51.2	8.67	48.5	8.25	47.4	8.07	45.3	7.65	43.1	7.05
		265.0	54.2	9.28	51.2	8.67	48.5	8.25	47.4	8.07	45.3	7.46	43.1	7.05
		318.0	54.2	9.28	51.2	8.67	48.5	8.25	47.4	8.07	45.3	7.37	43.1	7.05
	20	84.8	54.2	8.12	51.2	7.70	48.5	7.52	47.4	7.31	45.3	6.91	43.1	6.49
		106.0	54.2	8.07	51.2	7.65	48.5	7.46	47.4	7.25	45.3	6.86	43.1	6.44
		212.0	54.2	7.86	51.2	7.46	48.5	7.25	47.4	7.05	45.3	6.65	43.1	6.25
		265.0	54.2	7.86	51.2	7.46	48.5	7.25	47.4	6.86	45.3	6.65	43.1	6.05
		318.0	54.2	7.86	51.2	7.46	48.5	7.25	47.4	6.76	45.3	6.65	43.1	5.94
	25	84.8	54.2	7.31	51.2	6.91	48.5	6.49	47.4	6.31	45.3	5.84	43.1	5.44
		106.0	54.2	7.25	51.2	6.86	48.5	6.44	47.4	6.25	45.3	5.84	43.1	5.44
		212.0	54.2	7.05	51.2	6.65	48.5	6.25	47.4	6.05	45.3	5.84	43.1	5.44
		265.0	54.2	6.86	51.2	6.44	48.5	6.25	47.4	6.05	45.3	5.65	43.1	5.44
		318.0	54.2	6.76	51.2	6.34	48.5	6.25	47.4	6.05	45.3	5.55	43.1	5.44
	30	84.8	54.2	6.49	51.2	6.10	48.5	5.70	47.4	5.44	45.3	5.28	43.1	4.84
		106.0	54.2	6.44	51.2	6.05	48.5	5.65	47.4	5.44	45.3	5.23	43.1	4.84
		212.0	54.2	6.25	51.2	5.84	48.5	5.44	47.4	5.44	45.3	5.04	43.1	4.84
		265.0	54.2	6.25	51.2	5.84	48.5	5.44	47.4	5.23	45.3	5.04	43.1	4.84
		318.0	54.2	6.25	51.2	5.84	48.5	5.44	47.4	5.13	45.3	5.04	43.1	4.84
	35	84.8	54.2	5.88	51.2	5.49	48.5	5.04	47.4	5.10	45.3	4.63	43.1	4.49
		106.0	54.2	5.84	51.2	5.44	48.5	5.04	47.4	5.04	45.3	4.63	43.1	4.44
		212.0	54.2	5.65	51.2	5.23	48.5	5.04	47.4	4.84	45.3	4.63	43.1	4.23
		265.0	54.2	5.65	51.2	5.23	48.5	4.84	47.4	4.84	45.3	4.63	43.1	4.23
		318.0	54.2	5.65	51.2	5.23	48.5	4.73	47.4	4.84	45.3	4.63	43.1	4.23
	40	84.8	54.2	5.49	51.2	5.10	48.5	4.67	47.4	4.44	45.3	4.23	43.1	4.07
		106.0	54.2	5.44	51.2	5.04	48.5	4.63	47.4	4.44	45.3	4.23	43.1	4.02
		212.0	54.2	5.23	51.2	4.84	48.5	4.44	47.4	4.44	45.3	4.23	43.1	3.84
		265.0	54.2	5.23	51.2	4.84	48.5	4.44	47.4	4.23	45.3	4.02	43.1	3.84
		318.0	54.2	5.23	51.2	4.84	48.5	4.44	47.4	4.13	45.3	3.92	43.1	3.84
	45	84.8	54.2	5.10	51.2	4.67	48.5	4.33	47.4	3.79	45.3	3.84	43.1	3.68
		106.0	54.2	5.04	51.2	4.63	48.5	4.23	47.4	3.84	45.3	3.84	43.1	3.63
		212.0	54.2	4.84	51.2	4.44	48.5	3.84	47.4	4.02	45.3	3.84	43.1	3.42
		265.0	54.2	4.84	51.2	4.44	48.5	4.02	47.4	3.63	45.3	3.42	43.1	3.42
		318.0	54.2	4.84	51.2	4.44	48.5	4.12	47.4	3.43	45.3	3.21	43.1	3.42
60	-5	84.8	18.6	5.91	17.4	5.69	16.5	5.47	16.3	5.08	16.3	5.00	15.9	4.46
		106.0	19.3	6.05	18.1	5.82	17.1	5.59	16.9	5.19	16.8	5.11	16.5	4.57
		212.0	21.9	6.57	20.4	6.32	19.3	6.07	19.1	5.63	19.1	5.54	18.7	4.96
		265.0	24.1	7.07	22.6	6.82	21.4	6.55	21.1	6.09	21.1	5.98	20.6	5.34
		318.0	25.2	7.32	23.6	7.07	22.4	6.79	22.2	6.32	22.1	6.20	21.6	5.53

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	84.8	33.3	8.67	30.7	8.36	28.6	8.00	28.1	7.44	27.7	7.34	26.7	6.55
		106.0	33.5	8.69	30.9	8.38	28.8	8.03	28.2	7.46	27.8	7.36	26.8	6.57
		212.0	34.3	8.80	31.6	8.46	29.5	8.13	28.9	7.55	28.5	7.44	27.4	6.63
		265.0	34.8	8.80	32.1	8.46	30.0	8.13	29.3	7.55	28.9	7.44	27.8	6.63
		318.0	35.1	8.80	32.4	8.46	30.2	8.13	29.6	7.55	29.2	7.44	28.1	6.63
	5	84.8	46.1	9.44	43.4	9.08	41.6	8.71	40.6	8.11	38.9	7.98	37.0	7.11
		106.0	46.2	9.48	43.5	9.13	41.6	8.75	40.6	8.15	38.9	8.03	37.0	7.15
		212.0	46.5	9.67	43.8	9.32	41.6	8.94	40.6	8.32	38.9	8.19	37.0	7.30
		265.0	46.5	9.76	43.8	9.38	41.6	9.00	40.6	8.38	38.9	8.23	37.0	7.36
		318.0	46.5	9.80	43.7	9.41	41.6	9.04	40.6	8.41	38.9	8.25	37.0	7.39
	10	84.8	46.3	8.67	43.6	8.30	41.6	7.90	40.6	7.38	38.9	7.24	37.0	6.49
		106.0	46.4	8.67	43.6	8.30	41.6	7.90	40.6	7.40	38.9	7.23	37.0	6.50
		212.0	46.5	8.67	43.8	8.30	41.6	7.90	40.6	7.48	38.9	7.21	37.0	6.57
		265.0	46.5	8.69	43.8	8.21	41.6	7.82	40.6	7.40	38.9	7.15	37.0	6.50
		318.0	46.5	8.70	43.7	8.17	41.6	7.77	40.6	7.36	38.9	7.12	37.0	6.47
	15	84.8	46.5	7.91	43.8	7.52	41.6	7.09	40.6	6.65	38.9	6.49	37.0	5.84
		106.0	46.5	7.86	43.8	7.46	41.6	7.05	40.6	6.65	38.9	6.44	37.0	5.84
		212.0	46.5	7.65	43.8	7.25	41.6	6.86	40.6	6.65	38.9	6.25	37.0	5.84
		265.0	46.5	7.65	43.8	7.05	41.6	6.65	40.6	6.44	38.9	6.05	37.0	5.65
		318.0	46.5	7.65	43.8	6.94	41.6	6.54	40.6	6.34	38.9	5.94	37.0	5.55
	20	84.8	46.5	6.91	43.8	6.49	41.6	6.10	40.6	5.88	38.9	5.70	37.0	5.28
		106.0	46.5	6.86	43.8	6.44	41.6	6.05	40.6	5.84	38.9	5.65	37.0	5.23
		212.0	46.5	6.65	43.8	6.25	41.6	5.84	40.6	5.65	38.9	5.44	37.0	5.04
		265.0	46.5	6.65	43.8	6.25	41.6	5.84	40.6	5.65	38.9	5.44	37.0	5.04
		318.0	46.5	6.65	43.8	6.25	41.6	5.84	40.6	5.65	38.9	5.44	37.0	5.04
	25	84.8	46.5	6.10	43.8	5.70	41.6	5.23	40.6	5.28	38.9	4.84	37.0	4.67
		106.0	46.5	6.05	43.8	5.65	41.6	5.23	40.6	5.23	38.9	4.84	37.0	4.63
		212.0	46.5	5.84	43.8	5.44	41.6	5.23	40.6	5.04	38.9	4.84	37.0	4.44
		265.0	46.5	5.84	43.8	5.44	41.6	5.04	40.6	5.04	38.9	4.84	37.0	4.44
		318.0	46.5	5.84	43.8	5.44	41.6	4.95	40.6	5.04	38.9	4.84	37.0	4.44
	30	84.8	46.5	5.49	43.8	5.10	41.6	4.89	40.6	4.67	38.9	4.49	37.0	4.28
		106.0	46.5	5.44	43.8	5.04	41.6	4.84	40.6	4.63	38.9	4.44	37.0	4.23
		212.0	46.5	5.23	43.8	4.84	41.6	4.63	40.6	4.44	38.9	4.23	37.0	4.02
		265.0	46.5	5.23	43.8	4.84	41.6	4.63	40.6	4.44	38.9	4.23	37.0	4.02
		318.0	46.5	5.23	43.8	4.84	41.6	4.63	40.6	4.44	38.9	4.23	37.0	4.02
	35	84.8	46.5	4.84	43.8	4.67	41.6	4.23	40.6	4.28	38.9	4.07	37.0	3.89
		106.0	46.5	4.84	43.8	4.63	41.6	4.23	40.6	4.23	38.9	4.02	37.0	3.84
		212.0	46.5	4.84	43.8	4.44	41.6	4.23	40.6	4.02	38.9	3.84	37.0	3.63
		265.0	46.5	4.84	43.8	4.44	41.6	4.02	40.6	4.02	38.9	3.84	37.0	3.63
		318.0	46.5	4.84	43.8	4.44	41.6	3.92	40.6	4.02	38.9	3.84	37.0	3.63
	40	84.8	46.5	4.44	43.8	4.28	41.6	3.84	40.6	3.89	38.9	3.68	37.0	3.42
		106.0	46.5	4.44	43.8	4.23	41.6	3.84	40.6	3.84	38.9	3.63	37.0	3.42
		212.0	46.5	4.44	43.8	4.02	41.6	3.84	40.6	3.63	38.9	3.42	37.0	3.42
		265.0	46.5	4.44	43.8	4.02	41.6	3.84	40.6	3.63	38.9	3.42	37.0	3.42
		318.0	46.5	4.44	43.8	4.02	41.6	3.84	40.6	3.63	38.9	3.42	37.0	3.42
	45	84.8	46.5	4.02	43.8	3.89	41.6	3.42	40.6	3.47	38.9	3.28	37.0	2.97
		106.0	46.5	4.02	43.8	3.84	41.6	3.42	40.6	3.42	38.9	3.23	37.0	3.02
		212.0	46.5	4.02	43.8	3.63	41.6	3.42	40.6	3.23	38.9	3.02	37.0	3.23
		265.0	46.5	4.02	43.8	3.63	41.6	3.63	40.6	3.23	38.9	3.02	37.0	3.23
		318.0	46.5	4.02	43.8	3.63	41.6	3.73	40.6	3.23	38.9	3.02	37.0	3.23
50	-5	84.8	15.5	4.72	14.6	4.46	13.8	4.23	13.6	4.00	13.5	3.75	13.3	3.55
		106.0	16.1	4.82	15.1	4.57	14.2	4.31	14.1	4.09	14.0	3.84	13.7	3.63
		212.0	18.1	5.21	17.0	4.96	16.1	4.67	15.9	4.44	15.9	4.17	15.5	3.92
		265.0	20.0	5.63	18.8	5.34	17.8	5.04	17.6	4.79	17.5	4.48	17.2	4.23
		318.0	21.0	5.84	19.7	5.53	18.6	5.23	18.4	4.97	18.3	4.64	18.1	4.39
	0	84.8	27.7	6.90	25.6	6.55	23.8	6.17	23.3	5.86	23.0	5.51	22.2	5.20
		106.0	27.8	6.92	25.8	6.57	24.0	6.19	23.5	5.88	23.1	5.52	22.3	5.21
		212.0	28.5	6.98	26.4	6.63	24.6	6.27	24.0	5.96	23.7	5.59	22.8	5.27
		265.0	28.9	6.98	26.8	6.63	24.9	6.27	24.4	5.96	24.0	5.59	23.2	5.27
		318.0	29.2	6.98	26.9	6.63	25.0	6.27	24.6	5.96	24.2	5.59	23.4	5.27
	5	84.8	38.3	7.51	36.3	7.11	34.6	6.72	33.8	6.39	32.3	6.00	30.8	5.64
		106.0	38.4	7.55	36.4	7.15	34.6	6.75	33.8	6.42	32.3	6.02	30.8	5.67
		212.0	38.7	7.69	36.6	7.30	34.7	6.90	33.8	6.55	32.3	6.13	30.8	5.79
		265.0	38.7	7.75	36.6	7.36	34.7	6.94	33.8	6.59	32.3	6.19	30.8	5.84
		318.0	38.7	7.79	36.5	7.39	34.7	6.96	33.8	6.61	32.3	6.22	30.8	5.86

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(22HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	84.8	38.5	6.91	36.4	6.51	34.6	6.12	33.8	5.85	32.3	5.40	30.8	5.16
		106.0	38.6	6.90	36.4	6.50	34.6	6.11	33.8	5.84	32.3	5.42	30.8	5.15
		212.0	38.7	6.86	36.6	6.48	34.7	6.07	33.8	5.79	32.3	5.48	30.8	5.11
		265.0	38.7	6.90	36.6	6.50	34.7	6.09	33.8	5.82	32.3	5.40	30.8	5.13
		318.0	38.7	6.92	36.5	6.51	34.7	6.10	33.8	5.83	32.3	5.36	30.8	5.14
	15	84.8	38.7	6.31	36.6	5.88	34.7	5.49	33.8	5.28	32.3	4.84	30.8	4.67
		106.0	38.7	6.25	36.6	5.84	34.7	5.44	33.8	5.23	32.3	4.84	30.8	4.63
		212.0	38.7	6.05	36.6	5.65	34.7	5.23	33.8	5.04	32.3	4.84	30.8	4.44
		265.0	38.7	6.05	36.6	5.65	34.7	5.23	33.8	5.04	32.3	4.63	30.8	4.44
		318.0	38.7	6.05	36.6	5.65	34.7	5.23	33.8	5.04	32.3	4.52	30.8	4.44
	20	84.8	38.7	5.49	36.6	5.10	34.7	4.89	33.8	4.67	32.3	4.49	30.8	4.02
		106.0	38.7	5.44	36.6	5.04	34.7	4.84	33.8	4.63	32.3	4.44	30.8	4.02
		212.0	38.7	5.23	36.6	4.84	34.7	4.63	33.8	4.44	32.3	4.23	30.8	4.02
		265.0	38.7	5.23	36.6	4.84	34.7	4.63	33.8	4.44	32.3	4.23	30.8	4.02
		318.0	38.7	5.23	36.6	4.84	34.7	4.63	33.8	4.44	32.3	4.23	30.8	4.02
	25	84.8	38.7	4.89	36.6	4.44	34.7	4.28	33.8	4.02	32.3	3.84	30.8	3.63
		106.0	38.7	4.84	36.6	4.44	34.7	4.23	33.8	4.02	32.3	3.84	30.8	3.63
		212.0	38.7	4.63	36.6	4.44	34.7	4.02	33.8	4.02	32.3	3.84	30.8	3.63
		265.0	38.7	4.63	36.6	4.44	34.7	4.02	33.8	4.02	32.3	3.84	30.8	3.63
		318.0	38.7	4.63	36.6	4.44	34.7	4.02	33.8	4.02	32.3	3.84	30.8	3.63
	30	84.8	38.7	4.49	36.6	4.07	34.7	3.89	33.8	3.63	32.3	3.68	30.8	3.47
		106.0	38.7	4.44	36.6	4.02	34.7	3.84	33.8	3.63	32.3	3.63	30.8	3.42
		212.0	38.7	4.23	36.6	3.84	34.7	3.63	33.8	3.63	32.3	3.42	30.8	3.23
		265.0	38.7	4.23	36.6	3.84	34.7	3.63	33.8	3.63	32.3	3.42	30.8	3.23
		318.0	38.7	4.23	36.6	3.84	34.7	3.63	33.8	3.63	32.3	3.42	30.8	3.23
	35	84.8	38.7	4.07	36.6	3.63	34.7	3.42	33.8	3.47	32.3	3.23	30.8	3.02
		106.0	38.7	4.02	36.6	3.63	34.7	3.42	33.8	3.42	32.3	3.23	30.8	3.02
		212.0	38.7	3.84	36.6	3.63	34.7	3.42	33.8	3.23	32.3	3.23	30.8	3.02
		265.0	38.7	3.84	36.6	3.63	34.7	3.42	33.8	3.23	32.3	3.23	30.8	3.02
		318.0	38.7	3.84	36.6	3.63	34.7	3.42	33.8	3.23	32.3	3.23	30.8	3.02
	40	84.8	38.7	3.68	36.6	3.47	34.7	3.28	33.8	3.02	32.3	3.08	30.8	2.81
		106.0	38.7	3.63	36.6	3.42	34.7	3.23	33.8	3.02	32.3	3.02	30.8	2.81
		212.0	38.7	3.42	36.6	3.23	34.7	3.02	33.8	3.02	32.3	2.81	30.8	2.81
		265.0	38.7	3.42	36.6	3.23	34.7	3.02	33.8	3.02	32.3	2.81	30.8	2.81
		318.0	38.7	3.42	36.6	3.23	34.7	3.02	33.8	3.02	32.3	2.81	30.8	2.81
	45	84.8	38.7	3.28	36.6	3.34	34.7	3.12	33.8	2.58	32.3	2.91	30.8	2.63
		106.0	38.7	3.23	36.6	3.23	34.7	3.02	33.8	2.63	32.3	2.81	30.8	2.63
		212.0	38.7	3.02	36.6	2.81	34.7	2.63	33.8	2.81	32.3	2.42	30.8	2.63
		265.0	38.7	3.02	36.6	2.81	34.7	2.63	33.8	2.81	32.3	2.42	30.8	2.63
		318.0	38.7	3.02	36.6	2.81	34.7	2.63	33.8	2.81	32.3	2.42	30.8	2.63

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(24HP)

ARWN240LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	92.8	35.8	14.14	35.5	13.31	35.3	12.39	34.8	12.03	35.2	11.71	34.3	10.50
		116.0	37.0	14.38	36.7	13.57	36.5	12.66	36.0	12.29	36.4	11.96	35.4	10.73
		232.0	41.8	15.36	41.5	14.59	41.3	13.73	40.7	13.34	41.2	12.96	40.2	11.64
		290.0	46.3	16.34	45.9	15.59	45.6	14.80	45.0	14.41	45.6	13.99	44.4	12.55
		348.0	48.5	16.83	48.0	16.10	47.7	15.34	47.2	14.95	47.8	14.50	46.5	13.00
	0	92.8	63.9	19.34	62.4	18.76	61.1	18.15	59.8	17.64	60.0	17.15	57.2	15.36
		116.0	64.3	19.39	62.8	18.81	61.5	18.20	60.1	17.69	60.3	17.20	57.6	15.41
		232.0	65.8	19.60	64.2	18.99	62.9	18.41	61.5	17.90	61.7	17.39	59.0	15.59
		290.0	66.8	19.60	65.2	18.99	63.9	18.41	62.4	17.90	62.7	17.39	59.8	15.59
		348.0	67.3	19.60	65.7	18.99	64.4	18.41	62.9	17.90	63.1	17.39	60.3	15.59
	5	92.8	92.0	20.78	90.6	20.27	88.7	19.75	86.5	19.20	84.2	18.67	79.5	16.72
		116.0	92.3	20.88	90.8	20.37	88.8	19.85	86.5	19.30	84.2	18.76	79.5	16.81
		232.0	93.6	21.25	91.4	20.74	88.8	20.25	86.5	19.69	84.2	19.13	79.5	17.15
		290.0	94.2	21.39	91.7	20.88	88.8	20.39	86.5	19.83	84.2	19.27	79.5	17.27
		348.0	94.4	21.46	91.8	20.95	88.8	20.46	86.5	19.90	84.2	19.34	79.5	17.33
	10	92.8	92.1	18.91	90.6	18.28	88.5	17.93	86.1	17.53	83.9	16.93	79.2	15.28
		116.0	92.7	18.88	91.1	18.29	88.8	17.97	86.5	17.53	84.2	16.92	79.5	15.27
		232.0	94.9	18.74	92.8	18.36	90.2	18.11	87.9	17.50	85.4	16.88	80.8	15.22
		290.0	95.4	18.99	93.4	18.62	90.8	18.18	88.3	17.57	86.0	17.15	81.3	15.94
		348.0	95.6	19.12	93.7	18.75	91.1	18.21	88.5	17.61	86.3	17.30	81.5	16.31
	15	92.8	92.3	17.05	90.7	16.32	88.1	16.14	85.8	15.88	83.5	15.20	78.9	13.85
		116.0	93.0	16.88	91.4	16.25	88.8	16.11	86.5	15.76	84.2	15.08	79.5	13.73
		232.0	96.1	16.20	94.1	15.97	91.6	15.97	89.3	15.29	86.7	14.62	82.1	13.27
		290.0	96.6	16.60	95.0	16.34	92.8	15.97	90.2	15.29	87.9	15.04	83.1	14.62
		348.0	96.8	16.80	95.5	16.53	93.3	15.97	90.7	15.29	88.5	15.25	83.6	15.30
	20	92.8	95.8	15.64	94.0	14.91	91.6	14.58	89.0	14.12	86.4	13.80	81.3	13.38
		116.0	96.6	15.53	94.8	14.90	92.3	14.57	89.7	14.18	87.2	13.90	82.1	13.27
		232.0	99.6	15.08	97.8	14.85	95.1	14.52	92.5	14.41	90.2	14.27	85.1	12.83
		290.0	100.0	15.08	98.5	14.85	96.2	14.62	93.5	14.41	90.9	14.27	85.8	13.64
		348.0	100.2	15.08	98.9	14.85	96.8	14.66	93.9	14.41	91.3	14.27	86.2	14.05
	25	92.8	101.1	14.91	98.5	14.48	96.2	14.23	94.4	14.00	92.3	13.79	87.0	12.88
		116.0	101.1	14.85	98.5	14.45	96.2	14.18	94.4	13.94	92.3	13.73	87.0	12.83
		232.0	101.1	14.62	98.5	14.36	96.2	13.94	94.4	13.73	92.3	13.50	87.0	12.59
		290.0	101.1	14.41	98.5	13.99	96.2	13.73	94.4	13.50	92.3	13.27	87.0	12.38
		348.0	101.1	14.30	98.5	13.80	96.2	13.63	94.4	13.38	92.3	13.15	87.0	12.28
	30	92.8	101.1	14.53	98.5	13.80	96.2	13.68	94.4	13.32	92.3	13.18	87.0	12.26
		116.0	101.1	14.41	98.5	13.78	96.2	13.59	94.4	13.27	92.3	13.06	87.0	12.15
		232.0	101.1	13.94	98.5	13.69	96.2	13.27	94.4	13.06	92.3	12.59	87.0	11.71
		290.0	101.1	13.73	98.5	13.31	96.2	13.06	94.4	12.83	92.3	12.59	87.0	11.71
		348.0	101.1	13.63	98.5	13.13	96.2	12.95	94.4	12.71	92.3	12.59	87.0	11.71
	35	92.8	101.1	13.85	98.5	13.39	96.2	13.12	94.4	12.65	92.3	12.21	87.0	11.35
		116.0	101.1	13.73	98.5	13.31	96.2	13.06	94.4	12.59	92.3	12.15	87.0	11.24
		232.0	101.1	13.27	98.5	13.01	96.2	12.83	94.4	12.38	92.3	11.92	87.0	10.80
		290.0	101.1	13.27	98.5	12.87	96.2	12.59	94.4	12.15	92.3	11.71	87.0	10.80
		348.0	101.1	13.27	98.5	12.80	96.2	12.47	94.4	12.03	92.3	11.60	87.0	10.80
	40	92.8	101.1	13.38	98.5	12.95	96.2	12.70	94.4	12.26	92.3	11.83	87.0	10.68
		116.0	101.1	13.27	98.5	12.87	96.2	12.59	94.4	12.15	92.3	11.71	87.0	10.57
		232.0	101.1	12.83	98.5	12.55	96.2	12.15	94.4	11.71	92.3	11.24	87.0	10.13
		290.0	101.1	12.59	98.5	12.34	96.2	12.15	94.4	11.71	92.3	11.24	87.0	10.13
		348.0	101.1	12.47	98.5	12.23	96.2	12.15	94.4	11.71	92.3	11.24	87.0	10.13
	45	92.8	101.1	12.94	98.5	12.51	96.2	12.32	94.4	11.88	92.3	11.41	87.0	10.00
		116.0	101.1	12.83	98.5	12.43	96.2	12.15	94.4	11.71	92.3	11.24	87.0	9.89
		232.0	101.1	12.38	98.5	12.10	96.2	11.48	94.4	11.03	92.3	10.57	87.0	9.45
		290.0	101.1	11.92	98.5	11.80	96.2	11.71	94.4	11.24	92.3	10.80	87.0	9.45
		348.0	101.1	11.68	98.5	11.65	96.2	11.83	94.4	11.35	92.3	10.92	87.0	9.45
120	-5	92.8	34.0	14.14	33.7	13.31	33.5	12.39	33.1	11.87	33.4	11.52	32.5	10.31
		116.0	35.2	14.38	34.9	13.57	34.7	12.66	34.2	12.13	34.5	11.78	33.6	10.54
		232.0	39.8	15.36	39.5	14.59	39.2	13.73	38.7	13.15	39.1	12.78	38.0	11.45
		290.0	44.0	16.34	43.6	15.59	43.3	14.80	42.8	14.20	43.2	13.78	42.0	12.34
		348.0	46.0	16.83	45.7	16.10	45.4	15.34	44.9	14.73	45.2	14.28	44.0	12.78
	0	92.8	60.8	19.34	59.3	18.76	58.0	18.15	56.8	17.38	56.8	16.90	54.2	15.11
		116.0	61.1	19.39	59.6	18.81	58.4	18.20	57.2	17.43	57.2	16.94	54.6	15.15
		232.0	62.5	19.60	61.0	18.99	59.8	18.41	58.5	17.64	58.5	17.13	55.9	15.34
		290.0	63.5	19.60	62.0	18.99	60.7	18.41	59.4	17.64	59.4	17.13	56.8	15.34
		348.0	64.0	19.60	62.5	18.99	61.2	18.41	59.9	17.64	59.8	17.13	57.2	15.34

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	92.8	87.6	20.78	86.3	20.27	84.4	19.75	82.4	18.92	79.7	18.39	75.4	16.47
		116.0	87.9	20.88	86.4	20.37	84.4	19.85	82.4	19.02	79.7	18.48	75.4	16.55
		232.0	89.2	21.25	87.1	20.74	84.4	20.25	82.4	19.41	79.7	18.85	75.4	16.88
		290.0	89.7	21.39	86.6	20.88	84.4	20.39	82.4	19.55	79.7	18.99	75.4	16.99
		348.0	89.9	21.46	86.3	20.95	84.4	20.46	82.4	19.62	79.7	19.06	75.4	17.05
	10	92.8	87.9	18.67	86.3	18.15	84.2	17.79	82.1	17.25	79.5	16.68	75.2	15.00
		116.0	88.3	18.74	86.6	18.23	84.4	17.85	82.4	17.27	79.7	16.67	75.4	15.01
		232.0	89.9	18.99	88.0	18.50	85.3	18.11	83.3	17.36	80.6	16.62	76.2	15.08
		290.0	90.4	18.92	87.8	18.50	85.7	18.18	83.6	17.43	80.9	16.69	76.5	15.59
		348.0	90.7	18.89	87.6	18.50	85.8	18.21	83.8	17.47	81.1	16.72	76.7	15.85
	15	92.8	88.2	16.56	86.4	16.07	83.9	15.82	81.9	15.58	79.3	14.96	75.0	13.56
		116.0	88.7	16.60	86.9	16.11	84.4	15.85	82.4	15.53	79.7	14.85	75.4	13.50
		232.0	90.7	16.74	89.0	16.25	86.3	15.97	84.2	15.29	81.4	14.41	77.0	13.27
		290.0	91.2	16.48	89.0	16.11	87.0	15.97	84.9	15.29	82.1	14.41	77.7	14.18
		348.0	91.5	16.35	88.9	16.04	87.3	15.97	85.2	15.29	82.4	14.41	78.1	14.63
	20	92.8	90.6	14.90	88.9	14.26	86.2	13.88	83.9	13.68	81.1	13.51	76.8	12.83
		116.0	91.2	14.90	89.5	14.31	86.7	13.94	84.4	13.73	81.6	13.50	77.2	12.78
		232.0	93.5	14.90	91.6	14.52	88.6	14.18	86.5	13.94	83.7	13.45	79.0	12.59
		290.0	94.0	14.76	91.5	14.41	89.3	14.18	87.0	13.94	84.2	13.50	79.5	13.06
		348.0	94.2	14.69	91.5	14.35	89.7	14.18	87.2	13.94	84.4	13.52	79.8	13.29
	25	92.8	95.0	14.09	92.3	13.43	89.3	13.17	87.4	12.88	85.1	12.65	80.5	11.77
		116.0	95.1	14.04	92.3	13.41	89.3	13.15	87.4	12.83	85.1	12.59	80.5	11.71
		232.0	95.3	13.83	92.3	13.31	89.3	13.06	87.4	12.59	85.1	12.38	80.5	11.48
		290.0	95.6	13.31	92.3	12.96	89.3	12.83	87.4	12.59	85.1	12.15	80.5	11.48
		348.0	95.7	13.06	92.3	12.79	89.3	12.71	87.4	12.59	85.1	12.03	80.5	11.48
	30	92.8	95.6	13.47	92.3	12.81	89.3	12.44	87.4	11.97	85.1	11.83	80.5	10.86
		116.0	95.6	13.36	92.3	12.73	89.3	12.38	87.4	11.92	85.1	11.71	80.5	10.80
		232.0	95.6	12.92	92.3	12.43	89.3	12.15	87.4	11.71	85.1	11.24	80.5	10.57
		290.0	95.6	12.50	92.3	12.15	89.3	11.92	87.4	11.71	85.1	11.24	80.5	10.36
		348.0	95.6	12.29	92.3	12.01	89.3	11.80	87.4	11.71	85.1	11.24	80.5	10.25
	35	92.8	95.6	12.87	92.3	12.17	89.3	11.83	87.4	11.35	85.1	10.91	80.5	9.95
		116.0	95.6	12.69	92.3	12.06	89.3	11.71	87.4	11.24	85.1	10.80	80.5	9.89
		232.0	95.6	11.96	92.3	11.61	89.3	11.24	87.4	10.80	85.1	10.36	80.5	9.68
		290.0	95.6	11.82	92.3	11.52	89.3	11.24	87.4	10.80	85.1	10.36	80.5	9.45
		348.0	95.6	11.75	92.3	11.47	89.3	11.24	87.4	10.80	85.1	10.36	80.5	9.33
	40	92.8	95.6	12.48	92.3	11.61	89.3	11.15	87.4	10.68	85.1	10.24	80.5	9.27
		116.0	95.6	12.24	92.3	11.48	89.3	11.03	87.4	10.57	85.1	10.13	80.5	9.22
		232.0	95.6	11.29	92.3	10.94	89.3	10.57	87.4	10.13	85.1	9.68	80.5	9.01
		290.0	95.6	11.15	92.3	10.80	89.3	10.57	87.4	10.13	85.1	9.68	80.5	8.78
		348.0	95.6	11.08	92.3	10.73	89.3	10.57	87.4	10.13	85.1	9.68	80.5	8.66
	45	92.8	95.6	12.10	92.3	11.05	89.3	10.48	87.4	10.00	85.1	9.56	80.5	8.60
		116.0	95.6	11.80	92.3	10.89	89.3	10.36	87.4	9.89	85.1	9.45	80.5	8.54
		232.0	95.6	10.61	92.3	10.26	89.3	9.89	87.4	9.45	85.1	9.01	80.5	8.33
		290.0	95.6	10.47	92.3	10.08	89.3	9.89	87.4	9.45	85.1	9.01	80.5	8.10
		348.0	95.6	10.40	92.3	9.98	89.3	9.89	87.4	9.45	85.1	9.01	80.5	7.98
110	-5	92.8	32.2	14.32	32.0	13.31	31.7	12.39	31.4	11.87	31.5	11.52	30.8	10.31
		116.0	33.3	14.57	33.1	13.57	32.8	12.66	32.5	12.13	32.6	11.78	31.9	10.54
		232.0	37.6	15.55	37.4	14.59	37.2	13.73	36.8	13.15	36.8	12.78	36.1	11.45
		290.0	41.6	16.55	41.3	15.59	41.1	14.80	40.6	14.20	40.6	13.78	39.8	12.34
		348.0	43.5	17.05	43.2	16.10	43.0	15.34	42.6	14.73	42.6	14.28	41.7	12.78
	0	92.8	57.5	19.60	56.2	18.76	55.0	18.15	54.0	17.38	53.5	16.90	51.5	15.11
		116.0	57.8	19.64	56.5	18.81	55.3	18.20	54.3	17.43	53.8	16.94	51.8	15.15
		232.0	59.1	19.83	57.9	18.99	56.6	18.41	55.6	17.64	55.1	17.13	53.0	15.34
		290.0	60.1	19.83	58.8	18.99	57.5	18.41	56.4	17.64	55.9	17.13	53.7	15.34
		348.0	60.5	19.83	59.3	18.99	58.0	18.41	56.8	17.64	56.3	17.13	54.1	15.34
	5	92.8	83.8	21.06	81.8	20.27	79.9	19.75	78.1	18.92	75.1	18.39	71.5	16.47
		116.0	84.1	21.16	82.0	20.37	80.0	19.85	78.1	19.02	75.1	18.48	71.5	16.55
		232.0	85.2	21.53	82.6	20.74	80.0	20.25	78.1	19.41	75.1	18.85	71.5	16.88
		290.0	85.7	21.67	82.8	20.88	80.0	20.39	78.1	19.55	75.1	18.99	71.5	16.99
		348.0	86.0	21.74	82.9	20.95	80.0	20.46	78.1	19.62	75.1	19.06	71.5	17.05
	10	92.8	84.1	18.89	82.1	18.24	79.8	17.85	78.0	17.25	75.0	16.68	71.4	15.00
		116.0	84.5	18.92	82.3	18.29	80.0	17.90	78.1	17.27	75.1	16.67	71.5	15.01
		232.0	85.7	19.06	83.1	18.50	80.5	18.11	78.6	17.36	75.6	16.62	71.8	15.08
		290.0	86.2	19.06	83.5	18.50	80.7	18.06	78.8	17.32	75.7	16.69	72.0	15.25
		348.0	86.5	19.06	83.7	18.50	80.9	18.04	78.8	17.29	75.8	16.72	72.1	15.33

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	92.8	84.4	16.71	82.2	16.25	79.8	15.97	77.9	15.58	74.9	14.96	71.3	13.56
		116.0	84.7	16.69	82.5	16.25	80.0	15.97	78.1	15.53	75.1	14.85	71.5	13.50
		232.0	86.1	16.60	83.7	16.25	80.9	15.97	79.0	15.29	76.1	14.41	72.2	13.27
		290.0	86.6	16.48	84.1	16.11	81.4	15.76	79.3	15.08	76.3	14.41	72.6	13.50
		348.0	86.9	16.42	84.3	16.04	81.6	15.65	79.5	14.98	76.4	14.41	72.8	13.62
	20	92.8	86.0	14.42	83.6	14.08	80.9	13.73	78.7	13.50	75.9	13.12	71.9	12.27
		116.0	86.4	14.45	83.9	14.08	81.2	13.73	79.0	13.50	76.1	13.06	72.2	12.24
		232.0	88.3	14.57	85.0	14.08	82.1	13.73	80.2	13.50	77.0	12.83	73.3	12.15
		290.0	88.8	14.57	85.7	14.08	82.6	13.73	80.5	13.27	77.4	12.83	73.5	12.15
		348.0	89.0	14.57	86.1	14.08	82.8	13.73	80.6	13.15	77.6	12.83	73.6	12.15
	25	92.8	88.6	13.13	86.0	12.65	82.6	12.44	80.7	11.97	77.9	11.53	73.8	10.57
		116.0	88.8	13.10	86.0	12.59	82.6	12.38	80.7	11.92	77.9	11.48	73.8	10.57
		232.0	89.5	13.01	86.0	12.38	82.6	12.15	80.7	11.71	77.9	11.24	73.8	10.57
		290.0	89.9	13.01	86.0	12.43	82.6	11.92	80.7	11.71	77.9	11.03	73.8	10.36
		348.0	90.2	13.01	86.0	12.45	82.6	11.80	80.7	11.71	77.9	10.93	73.8	10.25
	30	92.8	89.9	11.97	86.0	11.53	82.6	11.09	80.7	10.86	77.9	10.18	73.8	9.51
		116.0	89.9	11.92	86.0	11.48	82.6	11.03	80.7	10.80	77.9	10.13	73.8	9.45
		232.0	89.9	11.71	86.0	11.24	82.6	10.80	80.7	10.57	77.9	9.89	73.8	9.22
		290.0	89.9	11.61	86.0	11.03	82.6	10.57	80.7	10.36	77.9	9.89	73.8	9.22
		348.0	89.9	11.57	86.0	10.93	82.6	10.45	80.7	10.25	77.9	9.89	73.8	9.22
	35	92.8	89.9	11.35	86.0	10.62	82.6	10.18	80.7	9.74	77.9	9.27	73.8	8.60
		116.0	89.9	11.24	86.0	10.57	82.6	10.13	80.7	9.68	77.9	9.22	73.8	8.54
		232.0	89.9	10.80	86.0	10.36	82.6	9.89	80.7	9.45	77.9	9.01	73.8	8.33
		290.0	89.9	10.52	86.0	10.13	82.6	9.68	80.7	9.45	77.9	9.01	73.8	8.33
		348.0	89.9	10.38	86.0	10.01	82.6	9.58	80.7	9.45	77.9	9.01	73.8	8.33
	40	92.8	89.9	10.68	86.0	10.24	82.6	9.56	80.7	9.07	77.9	8.60	73.8	7.92
		116.0	89.9	10.57	86.0	10.13	82.6	9.45	80.7	9.01	77.9	8.54	73.8	7.87
		232.0	89.9	10.13	86.0	9.68	82.6	9.01	80.7	8.78	77.9	8.33	73.8	7.66
		290.0	89.9	9.99	86.0	9.45	82.6	9.01	80.7	8.54	77.9	8.10	73.8	7.43
		348.0	89.9	9.91	86.0	9.33	82.6	9.01	80.7	8.42	77.9	7.98	73.8	7.31
	45	92.8	89.9	10.00	86.0	9.85	82.6	8.95	80.7	8.39	77.9	7.92	73.8	7.25
		116.0	89.9	9.89	86.0	9.68	82.6	8.78	80.7	8.33	77.9	7.87	73.8	7.19
		232.0	89.9	9.45	86.0	9.01	82.6	8.10	80.7	8.10	77.9	7.66	73.8	6.98
		290.0	89.9	9.45	86.0	8.78	82.6	8.33	80.7	7.66	77.9	7.19	73.8	6.52
		348.0	89.9	9.45	86.0	8.66	82.6	8.45	80.7	7.43	77.9	6.96	73.8	6.28
100	-5	92.8	30.4	14.32	30.2	13.50	30.1	12.39	29.8	11.87	29.5	11.34	28.9	10.31
		116.0	31.4	14.57	31.2	13.76	31.1	12.66	30.8	12.13	30.5	11.59	30.0	10.54
		232.0	35.6	15.55	35.4	14.78	35.2	13.73	34.8	13.15	34.5	12.59	34.0	11.45
		290.0	39.3	16.55	39.0	15.80	38.8	14.80	38.5	14.20	38.2	13.57	37.5	12.34
		348.0	41.2	17.05	40.9	16.32	40.7	15.34	40.3	14.73	40.0	14.06	39.3	12.78
	0	92.8	54.3	19.60	53.1	19.02	52.0	18.15	51.1	17.38	50.2	16.64	48.5	15.11
		116.0	54.6	19.64	53.4	19.06	52.3	18.20	51.4	17.43	50.5	16.69	48.7	15.15
		232.0	55.9	19.83	54.7	19.25	53.5	18.41	52.6	17.64	51.7	16.88	49.9	15.34
		290.0	56.8	19.83	55.6	19.25	54.4	18.41	53.4	17.64	52.5	16.88	50.6	15.34
		348.0	57.2	19.83	56.0	19.25	54.8	18.41	53.8	17.64	52.9	16.88	51.0	15.34
	5	92.8	80.2	21.06	77.5	20.55	75.5	19.75	74.0	18.92	70.5	18.11	67.2	16.47
		116.0	80.5	21.16	77.6	20.65	75.5	19.85	74.0	19.02	70.5	18.20	67.2	16.55
		232.0	81.6	21.53	78.2	21.02	75.6	20.25	74.0	19.41	70.5	18.57	67.2	16.88
		290.0	82.1	21.67	78.4	21.16	75.6	20.39	74.0	19.55	70.5	18.69	67.2	16.99
		348.0	82.3	21.74	78.5	21.23	75.6	20.46	74.0	19.62	70.5	18.75	67.2	17.05
	10	92.8	80.6	18.84	77.7	18.42	75.6	17.85	74.0	17.25	70.5	16.39	67.2	15.00
		116.0	80.8	18.92	77.9	18.48	75.6	17.90	74.0	17.27	70.5	16.41	67.2	15.01
		232.0	81.6	19.27	78.3	18.71	75.6	18.11	74.0	17.36	70.5	16.48	67.2	15.08
		290.0	82.1	19.20	78.6	18.71	75.6	18.06	74.0	17.32	70.5	16.43	67.2	15.01
		348.0	82.4	19.17	78.8	18.71	75.6	18.04	74.0	17.29	70.5	16.41	67.2	14.98
	15	92.8	81.0	16.61	78.1	16.33	75.6	15.97	74.0	15.58	70.5	14.67	67.2	13.56
		116.0	81.2	16.69	78.1	16.34	75.6	15.97	74.0	15.53	70.5	14.62	67.2	13.50
		232.0	81.6	17.01	78.3	16.39	75.6	15.97	74.0	15.29	70.5	14.41	67.2	13.27
		290.0	82.3	16.74	78.8	16.25	75.6	15.76	74.0	15.08	70.5	14.18	67.2	13.06
		348.0	82.6	16.59	79.0	16.18	75.6	15.65	74.0	14.98	70.5	14.06	67.2	12.95
	20	92.8	81.5	14.20	78.5	13.84	75.6	13.50	74.0	13.32	70.5	12.44	67.2	11.83
		116.0	81.8	14.27	78.6	13.85	75.6	13.50	74.0	13.27	70.5	12.38	67.2	11.71
		232.0	83.0	14.52	78.8	13.90	75.6	13.50	74.0	13.06	70.5	12.15	67.2	11.24
		290.0	83.5	14.27	79.5	13.78	75.6	13.27	74.0	12.83	70.5	11.92	67.2	11.03
		348.0	83.7	14.14	79.8	13.72	75.6	13.15	74.0	12.71	70.5	11.80	67.2	10.93

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	92.8	82.5	12.42	79.7	12.03	75.6	11.53	74.0	11.09	70.5	10.42	67.2	9.45
		116.0	82.8	12.43	79.7	11.96	75.6	11.48	74.0	11.03	70.5	10.36	67.2	9.45
		232.0	84.0	12.48	79.7	11.71	75.6	11.24	74.0	10.80	70.5	10.13	67.2	9.45
		290.0	84.4	12.20	79.7	11.61	75.6	11.03	74.0	10.57	70.5	10.13	67.2	9.22
		348.0	84.6	12.06	79.7	11.57	75.6	10.93	74.0	10.45	70.5	10.13	67.2	9.10
	30	92.8	84.4	11.30	79.7	10.42	75.6	9.71	74.0	9.51	70.5	8.78	67.2	8.39
		116.0	84.4	11.24	79.7	10.36	75.6	9.68	74.0	9.45	70.5	8.78	67.2	8.33
		232.0	84.4	11.03	79.7	10.13	75.6	9.59	74.0	9.22	70.5	8.78	67.2	8.10
		290.0	84.4	10.80	79.7	10.13	75.6	9.45	74.0	9.22	70.5	8.54	67.2	8.10
		348.0	84.4	10.68	79.7	10.13	75.6	9.38	74.0	9.22	70.5	8.42	67.2	8.10
	35	92.8	84.4	10.48	79.7	9.56	75.6	8.57	74.0	8.39	70.5	7.92	67.2	7.25
		116.0	84.4	10.36	79.7	9.45	75.6	8.54	74.0	8.33	70.5	7.87	67.2	7.19
		232.0	84.4	9.89	79.7	9.01	75.6	8.45	74.0	8.10	70.5	7.66	67.2	6.98
		290.0	84.4	9.89	79.7	9.01	75.6	8.33	74.0	8.10	70.5	7.66	67.2	6.98
		348.0	84.4	9.89	79.7	9.01	75.6	8.27	74.0	8.10	70.5	7.66	67.2	6.98
	40	92.8	84.4	9.80	79.7	8.89	75.6	7.68	74.0	7.48	70.5	7.04	67.2	6.57
		116.0	84.4	9.68	79.7	8.78	75.6	7.66	74.0	7.43	70.5	6.98	67.2	6.52
		232.0	84.4	9.22	79.7	8.33	75.6	7.56	74.0	7.19	70.5	6.75	67.2	6.31
		290.0	84.4	9.01	79.7	8.33	75.6	7.43	74.0	7.19	70.5	6.75	67.2	6.31
		348.0	84.4	8.90	79.7	8.33	75.6	7.35	74.0	7.19	70.5	6.75	67.2	6.31
	45	92.8	84.4	9.13	79.7	8.21	75.6	6.77	74.0	6.57	70.5	6.13	67.2	5.90
		116.0	84.4	9.01	79.7	8.10	75.6	6.75	74.0	6.52	70.5	6.08	67.2	5.84
		232.0	84.4	8.54	79.7	7.66	75.6	6.66	74.0	6.31	70.5	5.84	67.2	5.63
		290.0	84.4	8.10	79.7	7.66	75.6	6.52	74.0	6.31	70.5	5.84	67.2	5.63
		348.0	84.4	7.88	79.7	7.66	75.6	6.45	74.0	6.31	70.5	5.84	67.2	5.63
90	-5	92.8	28.7	13.29	27.8	12.11	27.0	10.63	26.8	10.13	26.6	9.77	26.1	8.77
		116.0	29.7	13.52	28.8	12.34	27.9	10.87	27.7	10.36	27.5	9.99	27.0	8.96
		232.0	33.6	14.43	32.6	13.24	31.6	11.80	31.4	11.24	31.2	10.85	30.5	9.73
		290.0	37.1	15.34	35.9	14.18	34.9	12.73	34.6	12.13	34.4	11.68	33.8	10.50
		348.0	38.9	15.80	37.6	14.64	36.5	13.20	36.2	12.57	36.0	12.11	35.4	10.88
	0	92.8	51.3	18.11	48.9	16.99	46.7	15.60	46.0	14.88	45.2	14.32	43.5	12.86
		116.0	51.6	18.16	49.2	17.04	47.0	15.64	46.3	14.92	45.5	14.36	43.8	12.89
		232.0	52.8	18.34	50.4	17.22	48.1	15.80	47.3	15.08	46.6	14.52	44.9	13.03
		290.0	53.6	18.34	51.1	17.22	48.9	15.80	48.0	15.08	47.3	14.52	45.6	13.03
		348.0	54.0	18.34	51.5	17.22	49.3	15.80	48.4	15.08	47.7	14.52	45.9	13.03
	5	92.8	72.5	19.44	70.2	18.35	67.9	16.98	66.5	16.19	63.6	15.58	60.6	13.99
		116.0	72.6	19.53	70.1	18.43	67.9	17.06	66.5	16.27	63.6	15.66	60.6	14.06
		232.0	72.9	19.88	69.9	18.78	67.9	17.39	66.5	16.60	63.6	15.99	60.6	14.34
		290.0	73.3	19.99	70.1	18.90	67.9	17.53	66.5	16.71	63.6	16.11	60.6	14.45
		348.0	73.5	20.05	70.2	18.96	67.9	17.60	66.5	16.77	63.6	16.17	60.6	14.51
	10	92.8	72.9	17.17	70.4	16.32	67.9	15.37	66.5	14.74	63.6	14.14	60.6	12.74
		116.0	72.9	17.18	70.3	16.34	67.9	15.39	66.5	14.76	63.6	14.13	60.6	12.76
		232.0	72.7	17.22	70.0	16.41	67.9	15.46	66.5	14.83	63.6	14.08	60.6	12.80
		290.0	73.2	17.18	70.2	16.36	67.9	15.41	66.5	14.78	63.6	14.13	60.6	12.85
		348.0	73.5	17.15	70.3	16.34	67.9	15.39	66.5	14.76	63.6	14.15	60.6	12.87
	15	92.8	73.3	14.86	70.7	14.33	67.9	13.79	66.5	13.32	63.6	12.70	60.6	11.53
		116.0	73.1	14.80	70.5	14.27	67.9	13.73	66.5	13.27	63.6	12.59	60.6	11.48
		232.0	72.6	14.57	70.0	14.04	67.9	13.50	66.5	13.06	63.6	12.15	60.6	11.24
		290.0	73.1	14.36	70.3	13.83	67.9	13.27	66.5	12.83	63.6	12.15	60.6	11.24
		348.0	73.4	14.26	70.4	13.72	67.9	13.15	66.5	12.71	63.6	12.15	60.6	11.24
	20	92.8	73.7	12.55	71.0	12.19	67.9	11.77	66.5	11.30	63.6	10.91	60.6	10.24
		116.0	73.6	12.55	70.8	12.15	67.9	11.71	66.5	11.24	63.6	10.80	60.6	10.13
		232.0	73.3	12.55	70.3	12.01	67.9	11.48	66.5	11.03	63.6	10.36	60.6	9.68
		290.0	73.6	12.34	70.5	11.92	67.9	11.48	66.5	11.03	63.6	10.36	60.6	9.68
		348.0	73.7	12.23	70.6	11.87	67.9	11.48	66.5	11.03	63.6	10.36	60.6	9.68
	25	92.8	74.9	10.96	71.9	10.38	67.9	9.95	66.5	9.45	63.6	9.07	60.6	8.39
		116.0	75.1	10.94	71.9	10.36	67.9	9.89	66.5	9.45	63.6	9.01	60.6	8.33
		232.0	75.8	10.85	71.9	10.26	67.9	9.68	66.5	9.45	63.6	8.78	60.6	8.10
		290.0	76.1	10.57	71.9	10.03	67.9	9.68	66.5	9.22	63.6	8.78	60.6	8.10
		348.0	76.2	10.43	71.9	9.91	67.9	9.68	66.5	9.10	63.6	8.78	60.6	8.10
	30	92.8	76.1	9.95	71.9	9.27	67.9	8.60	66.5	8.39	63.6	7.92	60.6	7.19
		116.0	76.1	9.89	71.9	9.22	67.9	8.54	66.5	8.33	63.6	7.87	60.6	7.19
		232.0	76.1	9.68	71.9	9.01	67.9	8.33	66.5	8.10	63.6	7.66	60.6	7.19
		290.0	76.1	9.45	71.9	8.78	67.9	8.33	66.5	8.10	63.6	7.66	60.6	6.98
		348.0	76.1	9.33	71.9	8.66	67.9	8.33	66.5	8.10	63.6	7.66	60.6	6.88

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	92.8	76.1	9.07	71.9	8.39	67.9	7.72	66.5	7.48	63.6	7.04	60.6	6.57
		116.0	76.1	9.01	71.9	8.33	67.9	7.66	66.5	7.43	63.6	6.98	60.6	6.52
		232.0	76.1	8.78	71.9	8.10	67.9	7.43	66.5	7.19	63.6	6.75	60.6	6.31
		290.0	76.1	8.54	71.9	7.87	67.9	7.19	66.5	6.98	63.6	6.75	60.6	6.31
		348.0	76.1	8.42	71.9	7.75	67.9	7.07	66.5	6.88	63.6	6.75	60.6	6.31
	40	92.8	76.1	8.45	71.9	7.72	67.9	6.81	66.5	6.57	63.6	6.37	60.6	5.90
		116.0	76.1	8.33	71.9	7.66	67.9	6.75	66.5	6.52	63.6	6.31	60.6	5.84
		232.0	76.1	7.87	71.9	7.43	67.9	6.52	66.5	6.31	63.6	6.08	60.6	5.63
		290.0	76.1	7.87	71.9	7.43	67.9	6.52	66.5	6.31	63.6	6.08	60.6	5.63
		348.0	76.1	7.87	71.9	7.43	67.9	6.52	66.5	6.31	63.6	6.08	60.6	5.63
	45	92.8	76.1	7.83	71.9	7.04	67.9	5.90	66.5	5.69	63.6	5.69	60.6	5.22
		116.0	76.1	7.66	71.9	6.98	67.9	5.84	66.5	5.63	63.6	5.63	60.6	5.17
		232.0	76.1	6.98	71.9	6.75	67.9	5.63	66.5	5.40	63.6	5.40	60.6	4.96
		290.0	76.1	7.19	71.9	6.98	67.9	5.84	66.5	5.63	63.6	5.40	60.6	4.96
		348.0	76.1	7.30	71.9	7.10	67.9	5.95	66.5	5.75	63.6	5.40	60.6	4.96
80	-5	92.8	27.1	9.47	25.4	9.11	24.1	8.73	23.8	8.43	23.7	8.04	23.2	7.41
		116.0	28.1	9.68	26.3	9.31	24.9	8.91	24.6	8.61	24.5	8.22	24.0	7.56
		232.0	31.7	10.52	29.7	10.10	28.1	9.66	27.8	9.33	27.7	8.91	27.1	8.19
		290.0	35.1	11.34	32.8	10.89	31.1	10.43	30.7	10.08	30.6	9.61	30.0	8.84
		348.0	36.8	11.75	34.4	11.29	32.6	10.81	32.2	10.45	32.0	9.96	31.4	9.17
	0	92.8	48.4	13.90	44.7	13.34	41.6	12.79	40.8	12.35	40.3	11.77	38.7	10.84
		116.0	48.7	13.94	44.9	13.38	41.8	12.83	41.1	12.38	40.5	11.80	39.0	10.87
		232.0	49.9	14.11	46.0	13.55	42.8	12.96	42.1	12.52	41.5	11.94	39.9	10.99
		290.0	50.6	14.11	46.7	13.55	43.5	12.96	42.7	12.52	42.1	11.94	40.5	10.99
		348.0	51.0	14.11	47.1	13.55	43.9	12.96	43.0	12.52	42.4	11.94	40.8	10.99
	5	92.8	67.0	15.12	63.2	14.55	60.5	13.89	59.1	13.43	56.6	12.81	53.8	11.78
		116.0	67.2	15.20	63.4	14.62	60.5	13.97	59.1	13.50	56.6	12.87	53.8	11.85
		232.0	67.7	15.53	63.9	14.90	60.6	14.27	59.1	13.78	56.6	13.13	53.8	12.10
		290.0	67.7	15.62	63.8	15.01	60.6	14.36	59.1	13.87	56.6	13.22	53.8	12.17
		348.0	67.7	15.67	63.7	15.07	60.6	14.41	59.1	13.92	56.6	13.27	53.8	12.21
	10	92.8	67.4	13.91	63.5	13.28	60.5	12.61	59.1	12.26	56.6	11.61	53.8	10.75
		116.0	67.4	13.90	63.6	13.27	60.5	12.62	59.1	12.27	56.6	11.61	53.8	10.75
		232.0	67.7	13.83	63.9	13.20	60.6	12.64	59.1	12.29	56.6	11.64	53.8	10.78
		290.0	67.7	13.78	63.8	13.24	60.6	12.69	59.1	12.22	56.6	11.57	53.8	10.71
		348.0	67.7	13.76	63.7	13.27	60.6	12.71	59.1	12.18	56.6	11.53	53.8	10.67
	15	92.8	67.7	12.70	63.8	12.03	60.6	11.30	59.1	11.09	56.6	10.42	53.8	9.74
		116.0	67.7	12.59	63.8	11.92	60.6	11.24	59.1	11.03	56.6	10.36	53.8	9.68
		232.0	67.7	12.15	63.8	11.48	60.6	11.03	59.1	10.80	56.6	10.13	53.8	9.45
		290.0	67.7	11.92	63.8	11.48	60.6	11.03	59.1	10.57	56.6	9.89	53.8	9.22
		348.0	67.7	11.80	63.8	11.48	60.6	11.03	59.1	10.45	56.6	9.77	53.8	9.10
	20	92.8	67.7	10.62	63.8	10.18	60.6	9.68	59.1	9.51	56.6	9.07	53.8	8.39
		116.0	67.7	10.57	63.8	10.13	60.6	9.68	59.1	9.45	56.6	9.01	53.8	8.33
		232.0	67.7	10.36	63.8	9.89	60.6	9.68	59.1	9.22	56.6	8.78	53.8	8.10
		290.0	67.7	10.13	63.8	9.68	60.6	9.45	59.1	9.22	56.6	8.54	53.8	8.10
		348.0	67.7	10.01	63.8	9.58	60.6	9.33	59.1	9.22	56.6	8.42	53.8	8.10
	25	92.8	67.7	9.51	63.8	8.83	60.6	8.33	59.1	8.16	56.6	7.72	53.8	7.25
		116.0	67.7	9.45	63.8	8.78	60.6	8.33	59.1	8.10	56.6	7.66	53.8	7.19
		232.0	67.7	9.22	63.8	8.54	60.6	8.33	59.1	7.87	56.6	7.43	53.8	6.98
		290.0	67.7	9.01	63.8	8.54	60.6	8.10	59.1	7.87	56.6	7.43	53.8	6.98
		348.0	67.7	8.90	63.8	8.54	60.6	7.98	59.1	7.87	56.6	7.43	53.8	6.98
	30	92.8	67.7	8.39	63.8	7.92	60.6	7.48	59.1	7.25	56.6	6.81	53.8	6.37
		116.0	67.7	8.33	63.8	7.87	60.6	7.43	59.1	7.19	56.6	6.75	53.8	6.31
		232.0	67.7	8.10	63.8	7.66	60.6	7.19	59.1	6.98	56.6	6.52	53.8	6.08
		290.0	67.7	8.10	63.8	7.66	60.6	7.19	59.1	6.98	56.6	6.52	53.8	6.08
		348.0	67.7	8.10	63.8	7.66	60.6	7.19	59.1	6.98	56.6	6.52	53.8	6.08
	35	92.8	67.7	7.72	63.8	7.25	60.6	6.57	59.1	6.31	56.6	6.13	53.8	5.63
		116.0	67.7	7.66	63.8	7.19	60.6	6.52	59.1	6.31	56.6	6.08	53.8	5.63
		232.0	67.7	7.43	63.8	6.98	60.6	6.31	59.1	6.31	56.6	5.84	53.8	5.63
		290.0	67.7	7.43	63.8	6.75	60.6	6.31	59.1	6.08	56.6	5.84	53.8	5.40
		348.0	67.7	7.43	63.8	6.63	60.6	6.31	59.1	5.96	56.6	5.84	53.8	5.28
	40	92.8	67.7	7.30	63.8	6.57	60.6	5.84	59.1	5.90	56.6	5.40	53.8	5.22
		116.0	67.7	7.19	63.8	6.52	60.6	5.84	59.1	5.84	56.6	5.40	53.8	5.17
		232.0	67.7	6.75	63.8	6.31	60.6	5.84	59.1	5.63	56.6	5.40	53.8	4.96
		290.0	67.7	6.75	63.8	6.31	60.6	5.63	59.1	5.63	56.6	5.40	53.8	4.96
		348.0	67.7	6.75	63.8	6.31	60.6	5.53	59.1	5.63	56.6	5.40	53.8	4.96

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	92.8	67.7	6.92	63.8	5.90	60.6	5.11	59.1	5.51	56.6	4.67	53.8	4.84
		116.0	67.7	6.75	63.8	5.84	60.6	5.17	59.1	5.40	56.6	4.73	53.8	4.73
		232.0	67.7	6.08	63.8	5.63	60.6	5.40	59.1	4.96	56.6	4.96	53.8	4.28
		290.0	67.7	6.08	63.8	5.84	60.6	4.96	59.1	5.17	56.6	4.96	53.8	4.49
		348.0	67.7	6.08	63.8	5.95	60.6	4.73	59.1	5.27	56.6	4.96	53.8	4.60
70	-5	92.8	23.7	8.13	22.2	7.74	21.0	7.49	20.8	7.06	20.7	6.81	20.3	6.20
		116.0	24.5	8.31	23.0	7.91	21.7	7.66	21.5	7.22	21.4	6.96	21.0	6.33
		232.0	27.7	9.01	26.0	8.59	24.5	8.31	24.3	7.82	24.2	7.54	23.8	6.87
		290.0	30.7	9.73	28.8	9.26	27.1	8.96	26.9	8.43	26.7	8.15	26.2	7.40
		348.0	32.2	10.09	30.1	9.60	28.5	9.29	28.2	8.73	28.0	8.45	27.5	7.67
	0	92.8	42.4	11.91	39.2	11.35	36.4	10.97	35.7	10.33	35.2	9.98	33.9	9.08
		116.0	42.6	11.94	39.4	11.38	36.6	11.01	35.9	10.36	35.4	10.01	34.1	9.10
		232.0	43.6	12.08	40.3	11.50	37.4	11.15	36.8	10.47	36.2	10.13	34.9	9.19
		290.0	44.2	12.08	40.9	11.50	38.0	11.15	37.3	10.47	36.8	10.13	35.4	9.19
		348.0	44.6	12.08	41.2	11.50	38.3	11.15	37.6	10.47	37.1	10.13	35.7	9.19
	5	92.8	58.5	12.97	55.5	12.34	52.8	11.95	51.7	11.26	49.4	10.86	47.0	9.86
		116.0	58.7	13.03	55.6	12.41	52.8	12.01	51.7	11.31	49.4	10.92	47.0	9.92
		232.0	59.1	13.29	56.0	12.66	52.9	12.27	51.7	11.52	49.4	11.15	47.0	10.13
		290.0	59.1	13.38	55.9	12.76	52.9	12.36	51.7	11.61	49.4	11.22	47.0	10.19
		348.0	59.1	13.43	55.9	12.80	52.9	12.41	51.7	11.66	49.4	11.25	47.0	10.23
	10	92.8	58.8	11.94	55.6	11.29	52.9	10.87	51.7	10.26	49.4	9.85	47.0	9.01
		116.0	58.9	11.92	55.7	11.27	52.9	10.85	51.7	10.26	49.4	9.85	47.0	9.01
		232.0	59.1	11.82	55.9	11.17	52.9	10.75	51.7	10.26	49.4	9.85	47.0	9.01
		290.0	59.1	11.87	55.9	11.22	52.9	10.80	51.7	10.31	49.4	9.78	47.0	9.03
		348.0	59.1	11.89	55.9	11.24	52.9	10.82	51.7	10.33	49.4	9.74	47.0	9.04
	15	92.8	59.1	10.91	55.9	10.24	52.9	9.80	51.7	9.27	49.4	8.83	47.0	8.16
		116.0	59.1	10.80	55.9	10.13	52.9	9.68	51.7	9.22	49.4	8.78	47.0	8.10
		232.0	59.1	10.36	55.9	9.68	52.9	9.22	51.7	9.01	49.4	8.54	47.0	7.87
		290.0	59.1	10.36	55.9	9.68	52.9	9.22	51.7	9.01	49.4	8.33	47.0	7.87
		348.0	59.1	10.36	55.9	9.68	52.9	9.22	51.7	9.01	49.4	8.23	47.0	7.87
	20	92.8	59.1	9.07	55.9	8.60	52.9	8.39	51.7	8.16	49.4	7.72	47.0	7.25
		116.0	59.1	9.01	55.9	8.54	52.9	8.33	51.7	8.10	49.4	7.66	47.0	7.19
		232.0	59.1	8.78	55.9	8.33	52.9	8.10	51.7	7.87	49.4	7.43	47.0	6.98
		290.0	59.1	8.78	55.9	8.33	52.9	8.10	51.7	7.66	49.4	7.43	47.0	6.75
		348.0	59.1	8.78	55.9	8.33	52.9	8.10	51.7	7.55	49.4	7.43	47.0	6.63
	25	92.8	59.1	8.16	55.9	7.72	52.9	7.25	51.7	7.04	49.4	6.52	47.0	6.08
		116.0	59.1	8.10	55.9	7.66	52.9	7.19	51.7	6.98	49.4	6.52	47.0	6.08
		232.0	59.1	7.87	55.9	7.43	52.9	6.98	51.7	6.75	49.4	6.52	47.0	6.08
		290.0	59.1	7.66	55.9	7.19	52.9	6.98	51.7	6.75	49.4	6.31	47.0	6.08
		348.0	59.1	7.55	55.9	7.07	52.9	6.98	51.7	6.75	49.4	6.20	47.0	6.08
	30	92.8	59.1	7.25	55.9	6.81	52.9	6.37	51.7	6.08	49.4	5.90	47.0	5.40
		116.0	59.1	7.19	55.9	6.75	52.9	6.31	51.7	6.08	49.4	5.84	47.0	5.40
		232.0	59.1	6.98	55.9	6.52	52.9	6.08	51.7	6.08	49.4	5.63	47.0	5.40
		290.0	59.1	6.98	55.9	6.52	52.9	6.08	51.7	5.84	49.4	5.63	47.0	5.40
		348.0	59.1	6.98	55.9	6.52	52.9	6.08	51.7	5.72	49.4	5.63	47.0	5.40
	35	92.8	59.1	6.57	55.9	6.13	52.9	5.63	51.7	5.69	49.4	5.17	47.0	5.02
		116.0	59.1	6.52	55.9	6.08	52.9	5.63	51.7	5.63	49.4	5.17	47.0	4.96
		232.0	59.1	6.31	55.9	5.84	52.9	5.63	51.7	5.40	49.4	5.17	47.0	4.73
		290.0	59.1	6.31	55.9	5.84	52.9	5.40	51.7	5.40	49.4	5.17	47.0	4.73
		348.0	59.1	6.31	55.9	5.84	52.9	5.28	51.7	5.40	49.4	5.17	47.0	4.73
	40	92.8	59.1	6.13	55.9	5.69	52.9	5.22	51.7	4.96	49.4	4.73	47.0	4.55
		116.0	59.1	6.08	55.9	5.63	52.9	5.17	51.7	4.96	49.4	4.73	47.0	4.49
		232.0	59.1	5.84	55.9	5.40	52.9	4.96	51.7	4.96	49.4	4.73	47.0	4.28
		290.0	59.1	5.84	55.9	5.40	52.9	4.96	51.7	4.73	49.4	4.49	47.0	4.28
		348.0	59.1	5.84	55.9	5.40	52.9	4.96	51.7	4.61	49.4	4.37	47.0	4.28
	45	92.8	59.1	5.69	55.9	5.22	52.9	4.84	51.7	4.23	49.4	4.28	47.0	4.11
		116.0	59.1	5.63	55.9	5.17	52.9	4.73	51.7	4.28	49.4	4.28	47.0	4.05
		232.0	59.1	5.40	55.9	4.96	52.9	4.28	51.7	4.49	49.4	4.28	47.0	3.82
		290.0	59.1	5.40	55.9	4.96	52.9	4.49	51.7	4.05	49.4	3.82	47.0	3.82
		348.0	59.1	5.40	55.9	4.96	52.9	4.60	51.7	3.83	49.4	3.58	47.0	3.82
60	-5	92.8	20.3	6.60	19.0	6.35	18.0	6.10	17.8	5.67	17.7	5.58	17.4	4.99
		116.0	21.0	6.75	19.7	6.49	18.6	6.24	18.4	5.80	18.4	5.70	18.0	5.10
		232.0	23.8	7.33	22.3	7.05	21.1	6.77	20.9	6.28	20.8	6.19	20.4	5.54
		290.0	26.3	7.89	24.6	7.61	23.3	7.31	23.1	6.80	23.0	6.68	22.5	5.96
		348.0	27.5	8.17	25.8	7.89	24.5	7.58	24.2	7.05	24.1	6.93	23.6	6.17

Notes:
TC: Total Capacity(kW)　　PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	92.8	36.4	9.68	33.5	9.33	31.2	8.93	30.6	8.31	30.2	8.19	29.1	7.31
		116.0	36.6	9.71	33.7	9.36	31.4	8.96	30.8	8.33	30.4	8.22	29.3	7.33
		232.0	37.4	9.82	34.5	9.45	32.2	9.08	31.5	8.43	31.1	8.31	29.9	7.40
		290.0	38.0	9.82	35.0	9.45	32.7	9.08	32.0	8.43	31.6	8.31	30.4	7.40
		348.0	38.3	9.82	35.3	9.45	32.9	9.08	32.2	8.43	31.8	8.31	30.6	7.40
	5	92.8	50.2	10.54	47.4	10.14	45.4	9.72	44.3	9.05	42.4	8.91	40.4	7.94
		116.0	50.4	10.59	47.5	10.19	45.4	9.78	44.3	9.10	42.4	8.96	40.4	7.98
		232.0	50.8	10.80	47.8	10.40	45.4	9.99	44.3	9.29	42.4	9.15	40.4	8.15
		290.0	50.8	10.89	47.8	10.47	45.4	10.06	44.3	9.36	42.4	9.19	40.4	8.22
		348.0	50.8	10.94	47.7	10.51	45.4	10.09	44.3	9.39	42.4	9.22	40.4	8.25
	10	92.8	50.5	9.68	47.6	9.26	45.4	8.82	44.3	8.24	42.4	8.08	40.4	7.24
		116.0	50.6	9.68	47.6	9.26	45.4	8.82	44.3	8.26	42.4	8.08	40.4	7.26
		232.0	50.8	9.68	47.8	9.26	45.4	8.82	44.3	8.36	42.4	8.05	40.4	7.33
		290.0	50.8	9.71	47.8	9.17	45.4	8.73	44.3	8.26	42.4	7.98	40.4	7.26
		348.0	50.8	9.72	47.7	9.12	45.4	8.68	44.3	8.22	42.4	7.95	40.4	7.23
	15	92.8	50.8	8.83	47.8	8.39	45.4	7.92	44.3	7.43	42.4	7.25	40.4	6.52
		116.0	50.8	8.78	47.8	8.33	45.4	7.87	44.3	7.43	42.4	7.19	40.4	6.52
		232.0	50.8	8.54	47.8	8.10	45.4	7.66	44.3	7.43	42.4	6.98	40.4	6.52
		290.0	50.8	8.54	47.8	7.87	45.4	7.43	44.3	7.19	42.4	6.75	40.4	6.31
		348.0	50.8	8.54	47.8	7.75	45.4	7.31	44.3	7.07	42.4	6.63	40.4	6.20
	20	92.8	50.8	7.72	47.8	7.25	45.4	6.81	44.3	6.57	42.4	6.37	40.4	5.90
		116.0	50.8	7.66	47.8	7.19	45.4	6.75	44.3	6.52	42.4	6.31	40.4	5.84
		232.0	50.8	7.43	47.8	6.98	45.4	6.52	44.3	6.31	42.4	6.08	40.4	5.63
		290.0	50.8	7.43	47.8	6.98	45.4	6.52	44.3	6.31	42.4	6.08	40.4	5.63
		348.0	50.8	7.43	47.8	6.98	45.4	6.52	44.3	6.31	42.4	6.08	40.4	5.63
	25	92.8	50.8	6.81	47.8	6.37	45.4	5.84	44.3	5.90	42.4	5.40	40.4	5.22
		116.0	50.8	6.75	47.8	6.31	45.4	5.84	44.3	5.84	42.4	5.40	40.4	5.17
		232.0	50.8	6.52	47.8	6.08	45.4	5.84	44.3	5.63	42.4	5.40	40.4	4.96
		290.0	50.8	6.52	47.8	6.08	45.4	5.63	44.3	5.63	42.4	5.40	40.4	4.96
		348.0	50.8	6.52	47.8	6.08	45.4	5.53	44.3	5.63	42.4	5.40	40.4	4.96
	30	92.8	50.8	6.13	47.8	5.69	45.4	5.46	44.3	5.22	42.4	5.02	40.4	4.78
		116.0	50.8	6.08	47.8	5.63	45.4	5.40	44.3	5.17	42.4	4.96	40.4	4.73
		232.0	50.8	5.84	47.8	5.40	45.4	5.17	44.3	4.96	42.4	4.73	40.4	4.49
		290.0	50.8	5.84	47.8	5.40	45.4	5.17	44.3	4.96	42.4	4.73	40.4	4.49
		348.0	50.8	5.84	47.8	5.40	45.4	5.17	44.3	4.96	42.4	4.73	40.4	4.49
	35	92.8	50.8	5.40	47.8	5.22	45.4	4.73	44.3	4.78	42.4	4.55	40.4	4.34
		116.0	50.8	5.40	47.8	5.17	45.4	4.73	44.3	4.73	42.4	4.49	40.4	4.28
		232.0	50.8	5.40	47.8	4.96	45.4	4.73	44.3	4.49	42.4	4.28	40.4	4.05
		290.0	50.8	5.40	47.8	4.96	45.4	4.49	44.3	4.49	42.4	4.28	40.4	4.05
		348.0	50.8	5.40	47.8	4.96	45.4	4.37	44.3	4.49	42.4	4.28	40.4	4.05
	40	92.8	50.8	4.96	47.8	4.78	45.4	4.28	44.3	4.34	42.4	4.11	40.4	3.82
		116.0	50.8	4.96	47.8	4.73	45.4	4.28	44.3	4.28	42.4	4.05	40.4	3.82
		232.0	50.8	4.96	47.8	4.49	45.4	4.28	44.3	4.05	42.4	3.82	40.4	3.82
		290.0	50.8	4.96	47.8	4.49	45.4	4.28	44.3	4.05	42.4	3.82	40.4	3.82
		348.0	50.8	4.96	47.8	4.49	45.4	4.28	44.3	4.05	42.4	3.82	40.4	3.82
	45	92.8	50.8	4.49	47.8	4.34	45.4	3.82	44.3	3.87	42.4	3.67	40.4	3.32
		116.0	50.8	4.49	47.8	4.28	45.4	3.82	44.3	3.82	42.4	3.61	40.4	3.38
		232.0	50.8	4.49	47.8	4.05	45.4	3.82	44.3	3.61	42.4	3.38	40.4	3.61
		290.0	50.8	4.49	47.8	4.05	45.4	4.05	44.3	3.61	42.4	3.38	40.4	3.61
		348.0	50.8	4.49	47.8	4.05	45.4	4.17	44.3	3.61	42.4	3.38	40.4	3.61
50	-5	92.8	16.9	5.27	15.9	4.99	15.0	4.72	14.8	4.46	14.7	4.19	14.5	3.97
		116.0	17.5	5.38	16.5	5.10	15.5	4.82	15.3	4.56	15.3	4.28	15.0	4.05
		232.0	19.8	5.82	18.6	5.54	17.6	5.21	17.4	4.96	17.3	4.66	16.9	4.38
		290.0	21.9	6.28	20.5	5.96	19.4	5.63	19.2	5.35	19.1	5.00	18.8	4.73
		348.0	22.9	6.52	21.5	6.17	20.3	5.84	20.1	5.55	19.9	5.18	19.7	4.90
	0	92.8	30.2	7.71	28.0	7.31	26.0	6.89	25.4	6.54	25.1	6.15	24.2	5.80
		116.0	30.4	7.73	28.1	7.33	26.2	6.91	25.6	6.56	25.2	6.17	24.3	5.82
		232.0	31.1	7.80	28.8	7.40	26.8	7.01	26.2	6.66	25.9	6.24	24.9	5.89
		290.0	31.6	7.80	29.2	7.40	27.1	7.01	26.7	6.66	26.2	6.24	25.3	5.89
		348.0	31.8	7.80	29.4	7.40	27.3	7.01	26.9	6.66	26.4	6.24	25.5	5.89
	5	92.8	41.8	8.38	39.6	7.94	37.7	7.50	36.9	7.13	35.2	6.70	33.6	6.30
		116.0	41.8	8.43	39.7	7.98	37.8	7.54	36.9	7.17	35.2	6.73	33.6	6.33
		232.0	42.2	8.59	39.9	8.15	37.8	7.70	36.9	7.31	35.2	6.84	33.6	6.47
		290.0	42.2	8.66	39.9	8.22	37.8	7.75	36.9	7.36	35.2	6.91	33.6	6.52
		348.0	42.2	8.69	39.8	8.25	37.8	7.77	36.9	7.38	35.2	6.95	33.6	6.54

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(24HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	92.8	42.0	7.72	39.7	7.27	37.7	6.83	36.9	6.53	35.2	6.03	33.6	5.76
		116.0	42.1	7.70	39.7	7.26	37.8	6.82	36.9	6.52	35.2	6.05	33.6	5.75
		232.0	42.2	7.66	39.9	7.24	37.8	6.77	36.9	6.47	35.2	6.12	33.6	5.70
		290.0	42.2	7.70	39.9	7.26	37.8	6.80	36.9	6.49	35.2	6.03	33.6	5.73
		348.0	42.2	7.73	39.8	7.27	37.8	6.81	36.9	6.51	35.2	5.98	33.6	5.74
	15	92.8	42.2	7.04	39.9	6.57	37.8	6.13	36.9	5.90	35.2	5.40	33.6	5.22
		116.0	42.2	6.98	39.9	6.52	37.8	6.08	36.9	5.84	35.2	5.40	33.6	5.17
		232.0	42.2	6.75	39.9	6.31	37.8	5.84	36.9	5.63	35.2	5.40	33.6	4.96
		290.0	42.2	6.75	39.9	6.31	37.8	5.84	36.9	5.63	35.2	5.17	33.6	4.96
		348.0	42.2	6.75	39.9	6.31	37.8	5.84	36.9	5.63	35.2	5.05	33.6	4.96
	20	92.8	42.2	6.13	39.9	5.69	37.8	5.46	36.9	5.22	35.2	5.02	33.6	4.49
		116.0	42.2	6.08	39.9	5.63	37.8	5.40	36.9	5.17	35.2	4.96	33.6	4.49
		232.0	42.2	5.84	39.9	5.40	37.8	5.17	36.9	4.96	35.2	4.73	33.6	4.49
		290.0	42.2	5.84	39.9	5.40	37.8	5.17	36.9	4.96	35.2	4.73	33.6	4.49
		348.0	42.2	5.84	39.9	5.40	37.8	5.17	36.9	4.96	35.2	4.73	33.6	4.49
	25	92.8	42.2	5.46	39.9	4.96	37.8	4.78	36.9	4.49	35.2	4.28	33.6	4.05
		116.0	42.2	5.40	39.9	4.96	37.8	4.73	36.9	4.49	35.2	4.28	33.6	4.05
		232.0	42.2	5.17	39.9	4.96	37.8	4.49	36.9	4.49	35.2	4.28	33.6	4.05
		290.0	42.2	5.17	39.9	4.96	37.8	4.49	36.9	4.49	35.2	4.28	33.6	4.05
		348.0	42.2	5.17	39.9	4.96	37.8	4.49	36.9	4.49	35.2	4.28	33.6	4.05
	30	92.8	42.2	5.02	39.9	4.55	37.8	4.34	36.9	4.05	35.2	4.11	33.6	3.87
		116.0	42.2	4.96	39.9	4.49	37.8	4.28	36.9	4.05	35.2	4.05	33.6	3.82
		232.0	42.2	4.73	39.9	4.28	37.8	4.05	36.9	4.05	35.2	3.82	33.6	3.61
		290.0	42.2	4.73	39.9	4.28	37.8	4.05	36.9	4.05	35.2	3.82	33.6	3.61
		348.0	42.2	4.73	39.9	4.28	37.8	4.05	36.9	4.05	35.2	3.82	33.6	3.61
	35	92.8	42.2	4.55	39.9	4.05	37.8	3.82	36.9	3.87	35.2	3.61	33.6	3.38
		116.0	42.2	4.49	39.9	4.05	37.8	3.82	36.9	3.82	35.2	3.61	33.6	3.38
		232.0	42.2	4.28	39.9	4.05	37.8	3.82	36.9	3.61	35.2	3.61	33.6	3.38
		290.0	42.2	4.28	39.9	4.05	37.8	3.82	36.9	3.61	35.2	3.61	33.6	3.38
		348.0	42.2	4.28	39.9	4.05	37.8	3.82	36.9	3.61	35.2	3.61	33.6	3.38
	40	92.8	42.2	4.11	39.9	3.87	37.8	3.67	36.9	3.38	35.2	3.43	33.6	3.14
		116.0	42.2	4.05	39.9	3.82	37.8	3.61	36.9	3.38	35.2	3.38	33.6	3.14
		232.0	42.2	3.82	39.9	3.61	37.8	3.38	36.9	3.38	35.2	3.14	33.6	3.14
		290.0	42.2	3.82	39.9	3.61	37.8	3.38	36.9	3.38	35.2	3.14	33.6	3.14
		348.0	42.2	3.82	39.9	3.61	37.8	3.38	36.9	3.38	35.2	3.14	33.6	3.14
	45	92.8	42.2	3.67	39.9	3.73	37.8	3.49	36.9	2.88	35.2	3.25	33.6	2.93
		116.0	42.2	3.61	39.9	3.61	37.8	3.38	36.9	2.93	35.2	3.14	33.6	2.93
		232.0	42.2	3.38	39.9	3.14	37.8	2.93	36.9	3.14	35.2	2.70	33.6	2.93
		290.0	42.2	3.38	39.9	3.14	37.8	2.93	36.9	3.14	35.2	2.70	33.6	2.93
		348.0	42.2	3.38	39.9	3.14	37.8	2.93	36.9	3.14	35.2	2.70	33.6	2.93

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(26HP)

ARWN260LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	100.4	38.7	15.62	38.5	14.71	38.2	13.70	37.7	13.29	38.2	12.94	37.1	11.61
		125.5	40.1	15.90	39.8	15.00	39.5	13.99	39.0	13.58	39.5	13.22	38.4	11.86
		251.0	45.3	16.98	44.9	16.13	44.7	15.18	44.1	14.74	44.6	14.33	43.5	12.86
		313.8	50.1	18.06	49.7	17.24	49.4	16.36	48.8	15.92	49.4	15.46	48.1	13.87
		376.5	52.5	18.60	52.1	17.79	51.7	16.96	51.1	16.52	51.7	16.03	50.4	14.37
	0	100.4	69.2	21.37	67.6	20.73	66.2	20.06	64.8	19.49	65.0	18.96	62.0	16.98
		125.5	69.6	21.43	68.0	20.79	66.6	20.12	65.1	19.55	65.4	19.01	62.4	17.03
		251.0	71.3	21.66	69.6	20.99	68.1	20.35	66.7	19.78	66.9	19.22	63.9	17.24
		313.8	72.4	21.66	70.6	20.99	69.2	20.35	67.7	19.78	67.9	19.22	64.8	17.24
		376.5	72.9	21.66	71.2	20.99	69.7	20.35	68.2	19.78	68.4	19.22	65.3	17.24
	5	100.4	99.7	22.97	98.2	22.40	96.1	21.83	93.7	21.21	91.2	20.63	86.2	18.48
		125.5	100.0	23.07	98.4	22.51	96.1	21.94	93.7	21.33	91.2	20.73	86.2	18.57
		251.0	101.4	23.49	99.0	22.92	96.2	22.38	93.7	21.76	91.2	21.15	86.2	18.96
		313.8	102.0	23.64	99.3	23.07	96.2	22.53	93.7	21.92	91.2	21.30	86.2	19.09
		376.5	102.3	23.72	99.5	23.15	96.2	22.61	93.7	21.99	91.2	21.38	86.2	19.15
	10	100.4	99.8	20.90	98.2	20.20	95.8	19.82	93.3	19.38	90.8	18.71	85.8	16.89
		125.5	100.4	20.86	98.7	20.22	96.2	19.86	93.7	19.37	91.2	18.70	86.2	16.88
		251.0	102.8	20.71	100.5	20.30	97.7	20.01	95.2	19.34	92.6	18.65	87.5	16.82
		313.8	103.3	20.99	101.2	20.58	98.4	20.09	95.7	19.42	93.2	18.96	88.1	17.62
		376.5	103.6	21.13	101.5	20.72	98.7	20.13	95.9	19.46	93.5	19.11	88.3	18.02
	15	100.4	100.0	18.84	98.2	18.03	95.5	17.84	92.9	17.55	90.5	16.80	85.5	15.31
		125.5	100.8	18.65	99.0	17.96	96.2	17.80	93.7	17.42	91.2	16.67	86.2	15.18
		251.0	104.1	17.90	101.9	17.65	99.3	17.65	96.8	16.90	93.9	16.15	88.9	14.66
		313.8	104.6	18.34	102.9	18.06	100.5	17.65	97.7	16.90	95.2	16.62	90.0	16.15
		376.5	104.9	18.56	103.4	18.27	101.1	17.65	98.2	16.90	95.9	16.85	90.5	16.91
	20	100.4	103.8	17.28	101.9	16.48	99.2	16.12	96.4	15.60	93.6	15.25	88.1	14.79
		125.5	104.6	17.16	102.7	16.46	100.0	16.10	97.2	15.67	94.5	15.36	88.9	14.66
		251.0	107.9	16.67	106.0	16.41	103.0	16.05	100.3	15.92	97.7	15.77	92.2	14.17
		313.8	108.3	16.67	106.7	16.41	104.2	16.15	101.3	15.92	98.5	15.77	92.9	15.07
		376.5	108.6	16.67	107.1	16.41	104.8	16.21	101.8	15.92	98.9	15.77	93.3	15.53
	25	100.4	109.6	16.48	106.7	16.00	104.2	15.73	102.2	15.47	100.0	15.24	94.2	14.24
		125.5	109.6	16.41	106.7	15.97	104.2	15.67	102.2	15.41	100.0	15.18	94.2	14.17
		251.0	109.6	16.15	106.7	15.87	104.2	15.41	102.2	15.18	100.0	14.92	94.2	13.92
		313.8	109.6	15.92	106.7	15.46	104.2	15.18	102.2	14.92	100.0	14.66	94.2	13.69
		376.5	109.6	15.81	106.7	15.25	104.2	15.06	102.2	14.79	100.0	14.53	94.2	13.57
	30	100.4	109.6	16.05	106.7	15.25	104.2	15.11	102.2	14.72	100.0	14.56	94.2	13.55
		125.5	109.6	15.92	106.7	15.23	104.2	15.02	102.2	14.66	100.0	14.43	94.2	13.43
		251.0	109.6	15.41	106.7	15.13	104.2	14.66	102.2	14.43	100.0	13.92	94.2	12.94
		313.8	109.6	15.18	106.7	14.71	104.2	14.43	102.2	14.17	100.0	13.92	94.2	12.94
		376.5	109.6	15.06	106.7	14.51	104.2	14.31	102.2	14.04	100.0	13.92	94.2	12.94
	35	100.4	109.6	15.31	106.7	14.80	104.2	14.50	102.2	13.98	100.0	13.49	94.2	12.55
		125.5	109.6	15.18	106.7	14.71	104.2	14.43	102.2	13.92	100.0	13.43	94.2	12.42
		251.0	109.6	14.66	106.7	14.38	104.2	14.17	102.2	13.69	100.0	13.17	94.2	11.94
		313.8	109.6	14.66	106.7	14.23	104.2	13.92	102.2	13.43	100.0	12.94	94.2	11.94
		376.5	109.6	14.66	106.7	14.15	104.2	13.79	102.2	13.30	100.0	12.82	94.2	11.94
	40	100.4	109.6	14.79	106.7	14.32	104.2	14.04	102.2	13.55	100.0	13.07	94.2	11.80
		125.5	109.6	14.66	106.7	14.23	104.2	13.92	102.2	13.43	100.0	12.94	94.2	11.68
		251.0	109.6	14.17	106.7	13.87	104.2	13.43	102.2	12.94	100.0	12.42	94.2	11.19
		313.8	109.6	13.92	106.7	13.63	104.2	13.43	102.2	12.94	100.0	12.42	94.2	11.19
		376.5	109.6	13.79	106.7	13.52	104.2	13.43	102.2	12.94	100.0	12.42	94.2	11.19
	45	100.4	109.6	14.30	106.7	13.83	104.2	13.62	102.2	13.13	100.0	12.61	94.2	11.06
		125.5	109.6	14.17	106.7	13.74	104.2	13.43	102.2	12.94	100.0	12.42	94.2	10.93
		251.0	109.6	13.69	106.7	13.38	104.2	12.68	102.2	12.19	100.0	11.68	94.2	10.44
		313.8	109.6	13.17	106.7	13.04	104.2	12.94	102.2	12.42	100.0	11.94	94.2	10.44
		376.5	109.6	12.91	106.7	12.87	104.2	13.07	102.2	12.54	100.0	12.07	94.2	10.44
120	-5	100.4	36.8	15.62	36.5	14.71	36.3	13.70	35.9	13.12	36.2	12.74	35.2	11.40
		125.5	38.1	15.90	37.8	15.00	37.6	13.99	37.1	13.40	37.4	13.02	36.4	11.65
		251.0	43.1	16.98	42.7	16.13	42.5	15.18	42.0	14.53	42.4	14.12	41.2	12.66
		313.8	47.6	18.06	47.2	17.24	46.9	16.36	46.4	15.69	46.8	15.23	45.5	13.63
		376.5	49.9	18.60	49.5	17.79	49.2	16.96	48.6	16.28	49.0	15.79	47.6	14.13
	0	100.4	65.8	21.37	64.2	20.73	62.8	20.06	61.6	19.21	61.6	18.68	58.8	16.69
		125.5	66.2	21.43	64.6	20.79	63.2	20.12	61.9	19.27	61.9	18.73	59.1	16.75
		251.0	67.7	21.66	66.1	20.99	64.8	20.35	63.4	19.50	63.4	18.93	60.6	16.95
		313.8	68.8	21.66	67.2	20.99	65.7	20.35	64.4	19.50	64.3	18.93	61.5	16.95
		376.5	69.3	21.66	67.7	20.99	66.2	20.35	64.9	19.50	64.8	18.93	61.9	16.95

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heading Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	100.4	94.9	22.97	93.5	22.40	91.4	21.83	89.2	20.91	86.4	20.32	81.7	18.20
		125.5	95.2	23.07	93.6	22.51	91.4	21.94	89.2	21.02	86.4	20.42	81.7	18.29
		251.0	96.6	23.49	94.3	22.92	91.4	22.38	89.2	21.45	86.4	20.84	81.7	18.65
		313.8	97.1	23.64	93.8	23.07	91.4	22.53	89.2	21.61	86.4	20.99	81.7	18.78
		376.5	97.4	23.72	93.5	23.15	91.4	22.61	89.2	21.69	86.4	21.07	81.7	18.84
	10	100.4	95.2	20.64	93.5	20.06	91.2	19.66	89.0	19.06	86.2	18.43	81.5	16.57
		125.5	95.7	20.71	93.9	20.14	91.4	19.73	89.2	19.09	86.4	18.42	81.7	16.59
		251.0	97.4	20.99	95.4	20.45	92.4	20.01	90.2	19.19	87.3	18.37	82.5	16.67
		313.8	98.0	20.91	95.1	20.45	92.8	20.09	90.6	19.27	87.7	18.44	82.9	17.24
		376.5	98.2	20.87	94.9	20.45	93.0	20.13	90.8	19.31	87.9	18.48	83.1	17.52
	15	100.4	95.5	18.30	93.6	17.76	90.9	17.49	88.7	17.22	86.0	16.54	81.2	14.98
		125.5	96.1	18.34	94.2	17.80	91.4	17.52	89.2	17.16	86.4	16.41	81.7	14.92
		251.0	98.3	18.50	96.5	17.96	93.5	17.65	91.2	16.90	88.1	15.92	83.4	14.66
		313.8	98.8	18.21	96.4	17.80	94.2	17.65	92.0	16.90	88.9	15.92	84.2	15.67
		376.5	99.1	18.07	96.3	17.72	94.6	17.65	92.3	16.90	89.3	15.92	84.6	16.17
	20	100.4	98.2	16.46	96.3	15.76	93.4	15.34	90.8	15.12	87.9	14.93	83.2	14.17
		125.5	98.8	16.46	96.9	15.82	93.9	15.41	91.4	15.18	88.5	14.92	83.7	14.12
		251.0	101.3	16.46	99.2	16.05	96.0	15.67	93.7	15.41	90.7	14.87	85.6	13.92
		313.8	101.8	16.31	99.1	15.92	96.8	15.67	94.2	15.41	91.2	14.92	86.2	14.43
		376.5	102.0	16.23	99.1	15.86	97.1	15.67	94.5	15.41	91.5	14.95	86.4	14.69
	25	100.4	102.9	15.57	100.0	14.84	96.8	14.56	94.7	14.24	92.2	13.98	87.2	13.00
		125.5	103.0	15.51	100.0	14.82	96.8	14.53	94.7	14.17	92.2	13.92	87.2	12.94
		251.0	103.2	15.28	100.0	14.71	96.8	14.43	94.7	13.92	92.2	13.69	87.2	12.68
		313.8	103.5	14.71	100.0	14.33	96.8	14.17	94.7	13.92	92.2	13.43	87.2	12.68
		376.5	103.7	14.43	100.0	14.13	96.8	14.04	94.7	13.92	92.2	13.30	87.2	12.68
	30	100.4	103.5	14.89	100.0	14.16	96.8	13.75	94.7	13.23	92.2	13.07	87.2	12.00
		125.5	103.5	14.77	100.0	14.07	96.8	13.69	94.7	13.17	92.2	12.94	87.2	11.94
		251.0	103.5	14.28	100.0	13.74	96.8	13.43	94.7	12.94	92.2	12.42	87.2	11.68
		313.8	103.5	13.81	100.0	13.43	96.8	13.17	94.7	12.94	92.2	12.42	87.2	11.45
		376.5	103.5	13.58	100.0	13.27	96.8	13.04	94.7	12.94	92.2	12.42	87.2	11.33
	35	100.4	103.5	14.22	100.0	13.45	96.8	13.07	94.7	12.55	92.2	12.06	87.2	10.99
		125.5	103.5	14.02	100.0	13.33	96.8	12.94	94.7	12.42	92.2	11.94	87.2	10.93
		251.0	103.5	13.22	100.0	12.84	96.8	12.42	94.7	11.94	92.2	11.45	87.2	10.70
		313.8	103.5	13.07	100.0	12.73	96.8	12.42	94.7	11.94	92.2	11.45	87.2	10.44
		376.5	103.5	12.99	100.0	12.68	96.8	12.42	94.7	11.94	92.2	11.45	87.2	10.31
	40	100.4	103.5	13.80	100.0	12.83	96.8	12.32	94.7	11.80	92.2	11.31	87.2	10.25
		125.5	103.5	13.53	100.0	12.68	96.8	12.19	94.7	11.68	92.2	11.19	87.2	10.19
		251.0	103.5	12.48	100.0	12.09	96.8	11.68	94.7	11.19	92.2	10.70	87.2	9.96
		313.8	103.5	12.32	100.0	11.94	96.8	11.68	94.7	11.19	92.2	10.70	87.2	9.70
		376.5	103.5	12.24	100.0	11.86	96.8	11.68	94.7	11.19	92.2	10.70	87.2	9.57
	45	100.4	103.5	13.37	100.0	12.21	96.8	11.58	94.7	11.06	92.2	10.57	87.2	9.50
		125.5	103.5	13.04	100.0	12.04	96.8	11.45	94.7	10.93	92.2	10.44	87.2	9.44
		251.0	103.5	11.73	100.0	11.34	96.8	10.93	94.7	10.44	92.2	9.96	87.2	9.21
		313.8	103.5	11.58	100.0	11.14	96.8	10.93	94.7	10.44	92.2	9.96	87.2	8.95
		376.5	103.5	11.50	100.0	11.03	96.8	10.93	94.7	10.44	92.2	9.96	87.2	8.82
110	-5	100.4	34.8	15.83	34.6	14.71	34.4	13.70	34.0	13.12	34.1	12.74	33.4	11.40
		125.5	36.0	16.10	35.8	15.00	35.6	13.99	35.2	13.40	35.3	13.02	34.5	11.65
		251.0	40.8	17.18	40.5	16.13	40.3	15.18	39.8	14.53	39.8	14.12	39.1	12.66
		313.8	45.0	18.29	44.7	17.24	44.5	16.36	44.0	15.69	44.0	15.23	43.1	13.63
		376.5	47.2	18.85	46.8	17.79	46.6	16.96	46.1	16.28	46.1	15.79	45.2	14.13
	0	100.4	62.3	21.66	60.9	20.73	59.6	20.06	58.5	19.21	57.9	18.68	55.7	16.69
		125.5	62.6	21.71	61.3	20.79	60.0	20.12	58.8	19.27	58.3	18.73	56.1	16.75
		251.0	64.1	21.92	62.7	20.99	61.3	20.35	60.2	19.50	59.7	18.93	57.4	16.95
		313.8	65.1	21.92	63.7	20.99	62.3	20.35	61.1	19.50	60.6	18.93	58.2	16.95
		376.5	65.6	21.92	64.2	20.99	62.8	20.35	61.6	19.50	61.0	18.93	58.6	16.95
	5	100.4	90.8	23.28	88.7	22.40	86.6	21.83	84.6	20.91	81.4	20.32	77.4	18.20
		125.5	91.1	23.38	88.8	22.51	86.6	21.94	84.6	21.02	81.4	20.42	77.4	18.29
		251.0	92.3	23.79	89.5	22.92	86.7	22.38	84.6	21.45	81.4	20.84	77.4	18.65
		313.8	92.9	23.95	89.7	23.07	86.7	22.53	84.6	21.61	81.4	20.99	77.4	18.78
		376.5	93.1	24.03	89.9	23.15	86.7	22.61	84.6	21.69	81.4	21.07	77.4	18.84
	10	100.4	91.2	20.87	88.9	20.16	86.5	19.72	84.5	19.06	81.2	18.43	77.3	16.57
		125.5	91.5	20.91	89.1	20.22	86.6	19.78	84.6	19.09	81.4	18.42	77.4	16.59
		251.0	92.9	21.07	90.1	20.45	87.2	20.01	85.2	19.19	81.9	18.37	77.8	16.67
		313.8	93.4	21.07	90.4	20.45	87.5	19.96	85.3	19.14	82.1	18.44	78.0	16.85
		376.5	93.7	21.07	90.6	20.45	87.6	19.94	85.4	19.11	82.1	18.48	78.1	16.94

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	100.4	91.4	18.47	89.0	17.96	86.4	17.65	84.4	17.22	81.1	16.54	77.2	14.98
		125.5	91.8	18.44	89.4	17.96	86.7	17.65	84.6	17.16	81.4	16.41	77.4	14.92
		251.0	93.3	18.34	90.7	17.96	87.7	17.65	85.6	16.90	82.4	15.92	78.2	14.66
		313.8	93.9	18.21	91.1	17.80	88.1	17.42	85.9	16.67	82.7	15.92	78.6	14.92
		376.5	94.1	18.15	91.3	17.72	88.4	17.30	86.1	16.55	82.8	15.92	78.9	15.05
	20	100.4	93.1	15.94	90.6	15.56	87.7	15.18	85.3	14.92	82.2	14.50	77.9	13.56
		125.5	93.6	15.97	90.9	15.56	87.9	15.18	85.6	14.92	82.4	14.43	78.2	13.53
		251.0	95.6	16.10	92.1	15.56	88.9	15.18	86.9	14.92	83.4	14.17	79.4	13.43
		313.8	96.1	16.10	92.9	15.56	89.4	15.18	87.2	14.66	83.9	14.17	79.6	13.43
		376.5	96.4	16.10	93.3	15.56	89.7	15.18	87.3	14.53	84.1	14.17	79.7	13.43
	25	100.4	96.0	14.51	93.2	13.98	89.4	13.75	87.5	13.23	84.4	12.75	79.9	11.68
		125.5	96.2	14.48	93.2	13.92	89.4	13.69	87.5	13.17	84.4	12.68	79.9	11.68
		251.0	97.0	14.38	93.2	13.69	89.4	13.43	87.5	12.94	84.4	12.42	79.9	11.68
		313.8	97.4	14.38	93.2	13.74	89.4	13.17	87.5	12.94	84.4	12.19	79.9	11.45
		376.5	97.7	14.38	93.2	13.76	89.4	13.04	87.5	12.94	84.4	12.08	79.9	11.33
	30	100.4	97.4	13.23	93.2	12.75	89.4	12.26	87.5	12.00	84.4	11.25	79.9	10.51
		125.5	97.4	13.17	93.2	12.68	89.4	12.19	87.5	11.94	84.4	11.19	79.9	10.44
		251.0	97.4	12.94	93.2	12.42	89.4	11.94	87.5	11.68	84.4	10.93	79.9	10.19
		313.8	97.4	12.84	93.2	12.19	89.4	11.68	87.5	11.45	84.4	10.93	79.9	10.19
		376.5	97.4	12.78	93.2	12.08	89.4	11.55	87.5	11.33	84.4	10.93	79.9	10.19
	35	100.4	97.4	12.55	93.2	11.74	89.4	11.25	87.5	10.77	84.4	10.25	79.9	9.50
		125.5	97.4	12.42	93.2	11.68	89.4	11.19	87.5	10.70	84.4	10.19	79.9	9.44
		251.0	97.4	11.94	93.2	11.45	89.4	10.93	87.5	10.44	84.4	9.96	79.9	9.21
		313.8	97.4	11.63	93.2	11.19	89.4	10.70	87.5	10.44	84.4	9.96	79.9	9.21
		376.5	97.4	11.47	93.2	11.06	89.4	10.58	87.5	10.44	84.4	9.96	79.9	9.21
	40	100.4	97.4	11.80	93.2	11.31	89.4	10.57	87.5	10.02	84.4	9.50	79.9	8.75
		125.5	97.4	11.68	93.2	11.19	89.4	10.44	87.5	9.96	84.4	9.44	79.9	8.69
		251.0	97.4	11.19	93.2	10.70	89.4	9.96	87.5	9.70	84.4	9.21	79.9	8.46
		313.8	97.4	11.04	93.2	10.44	89.4	9.96	87.5	9.44	84.4	8.95	79.9	8.21
		376.5	97.4	10.96	93.2	10.31	89.4	9.96	87.5	9.31	84.4	8.82	79.9	8.08
	45	100.4	97.4	11.06	93.2	10.89	89.4	9.89	87.5	9.27	84.4	8.75	79.9	8.01
		125.5	97.4	10.93	93.2	10.70	89.4	9.70	87.5	9.21	84.4	8.69	79.9	7.95
		251.0	97.4	10.44	93.2	9.96	89.4	8.95	87.5	8.95	84.4	8.46	79.9	7.72
		313.8	97.4	10.44	93.2	9.70	89.4	9.21	87.5	8.46	84.4	7.95	79.9	7.20
		376.5	97.4	10.44	93.2	9.57	89.4	9.34	87.5	8.22	84.4	7.69	79.9	6.94
100	-5	100.4	32.9	15.83	32.7	14.92	32.6	13.70	32.3	13.12	32.0	12.53	31.4	11.40
		125.5	34.1	16.10	33.8	15.20	33.7	13.99	33.4	13.40	33.1	12.81	32.5	11.65
		251.0	38.6	17.18	38.3	16.33	38.1	15.18	37.7	14.53	37.4	13.92	36.8	12.66
		313.8	42.6	18.29	42.3	17.47	42.1	16.36	41.7	15.69	41.4	15.00	40.6	13.63
		376.5	44.6	18.85	44.3	18.04	44.1	16.96	43.7	16.28	43.4	15.54	42.5	14.13
	0	100.4	58.9	21.66	57.6	21.02	56.4	20.06	55.4	19.21	54.4	18.39	52.5	16.69
		125.5	59.2	21.71	57.9	21.07	56.7	20.12	55.7	19.27	54.7	18.44	52.8	16.75
		251.0	60.6	21.92	59.3	21.27	58.0	20.35	57.0	19.50	56.0	18.65	54.0	16.95
		313.8	61.5	21.92	60.2	21.27	58.9	20.35	57.8	19.50	56.8	18.65	54.9	16.95
		376.5	61.9	21.92	60.6	21.27	59.4	20.35	58.2	19.50	57.3	18.65	55.3	16.95
	5	100.4	86.8	23.28	84.0	22.71	81.8	21.83	80.1	20.91	76.3	20.01	72.8	18.20
		125.5	87.2	23.38	84.1	22.82	81.8	21.94	80.1	21.02	76.3	20.12	72.8	18.29
		251.0	88.4	23.79	84.7	23.23	81.9	22.38	80.1	21.45	76.3	20.53	72.8	18.65
		313.8	88.9	23.95	84.9	23.38	81.9	22.53	80.1	21.61	76.3	20.66	72.8	18.78
		376.5	89.2	24.03	85.1	23.46	81.9	22.61	80.1	21.69	76.3	20.72	72.8	18.84
	10	100.4	87.3	20.82	84.2	20.36	81.9	19.72	80.1	19.06	76.3	18.12	72.8	16.57
		125.5	87.5	20.91	84.3	20.42	81.9	19.78	80.1	19.09	76.3	18.14	72.8	16.59
		251.0	88.4	21.30	84.8	20.68	81.9	20.01	80.1	19.19	76.3	18.21	72.8	16.67
		313.8	89.0	21.22	85.2	20.68	81.9	19.96	80.1	19.14	76.3	18.16	72.8	16.59
		376.5	89.3	21.18	85.4	20.68	81.9	19.94	80.1	19.11	76.3	18.14	72.8	16.55
	15	100.4	87.8	18.35	84.6	18.05	81.9	17.65	80.1	17.22	76.3	16.21	72.8	14.98
		125.5	87.9	18.44	84.6	18.06	81.9	17.65	80.1	17.16	76.3	16.15	72.8	14.92
		251.0	88.4	18.80	84.9	18.11	81.9	17.65	80.1	16.90	76.3	15.92	72.8	14.66
		313.8	89.1	18.50	85.3	17.96	81.9	17.42	80.1	16.67	76.3	15.67	72.8	14.43
		376.5	89.5	18.34	85.6	17.88	81.9	17.30	80.1	16.55	76.3	15.54	72.8	14.31
	20	100.4	88.3	15.70	85.0	15.29	81.9	14.92	80.1	14.72	76.3	13.75	72.8	13.07
		125.5	88.6	15.77	85.1	15.31	81.9	14.92	80.1	14.66	76.3	13.69	72.8	12.94
		251.0	89.9	16.05	85.3	15.36	81.9	14.92	80.1	14.43	76.3	13.43	72.8	12.42
		313.8	90.4	15.77	86.1	15.23	81.9	14.66	80.1	14.17	76.3	13.17	72.8	12.19
		376.5	90.7	15.63	86.5	15.16	81.9	14.53	80.1	14.04	76.3	13.04	72.8	12.08

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	100.4	89.3	13.72	86.4	13.29	81.9	12.75	80.1	12.26	76.3	11.51	72.8	10.44
		125.5	89.7	13.74	86.4	13.22	81.9	12.68	80.1	12.19	76.3	11.45	72.8	10.44
		251.0	91.0	13.79	86.4	12.94	81.9	12.42	80.1	11.94	76.3	11.19	72.8	10.44
		313.8	91.4	13.48	86.4	12.84	81.9	12.19	80.1	11.68	76.3	11.19	72.8	10.19
		376.5	91.7	13.32	86.4	12.78	81.9	12.08	80.1	11.55	76.3	11.19	72.8	10.06
	30	100.4	91.4	12.48	86.4	11.51	81.9	10.73	80.1	10.51	76.3	9.70	72.8	9.27
		125.5	91.4	12.42	86.4	11.45	81.9	10.70	80.1	10.44	76.3	9.70	72.8	9.21
		251.0	91.4	12.19	86.4	11.19	81.9	10.60	80.1	10.19	76.3	9.70	72.8	8.95
		313.8	91.4	11.94	86.4	11.19	81.9	10.44	80.1	10.19	76.3	9.44	72.8	8.95
		376.5	91.4	11.81	86.4	11.19	81.9	10.37	80.1	10.19	76.3	9.31	72.8	8.95
	35	100.4	91.4	11.58	86.4	10.57	81.9	9.47	80.1	9.27	76.3	8.75	72.8	8.01
		125.5	91.4	11.45	86.4	10.44	81.9	9.44	80.1	9.21	76.3	8.69	72.8	7.95
		251.0	91.4	10.93	86.4	9.96	81.9	9.34	80.1	8.95	76.3	8.46	72.8	7.72
		313.8	91.4	10.93	86.4	9.96	81.9	9.21	80.1	8.95	76.3	8.46	72.8	7.72
		376.5	91.4	10.93	86.4	9.96	81.9	9.14	80.1	8.95	76.3	8.46	72.8	7.72
	40	100.4	91.4	10.83	86.4	9.82	81.9	8.49	80.1	8.27	76.3	7.78	72.8	7.26
		125.5	91.4	10.70	86.4	9.70	81.9	8.46	80.1	8.21	76.3	7.72	72.8	7.20
		251.0	91.4	10.19	86.4	9.21	81.9	8.36	80.1	7.95	76.3	7.46	72.8	6.97
		313.8	91.4	9.96	86.4	9.21	81.9	8.21	80.1	7.95	76.3	7.46	72.8	6.97
		376.5	91.4	9.84	86.4	9.21	81.9	8.13	80.1	7.95	76.3	7.46	72.8	6.97
	45	100.4	91.4	10.09	86.4	9.08	81.9	7.49	80.1	7.26	76.3	6.78	72.8	6.52
		125.5	91.4	9.96	86.4	8.95	81.9	7.46	80.1	7.20	76.3	6.71	72.8	6.46
		251.0	91.4	9.44	86.4	8.46	81.9	7.36	80.1	6.97	76.3	6.46	72.8	6.23
		313.8	91.4	8.95	86.4	8.46	81.9	7.20	80.1	6.97	76.3	6.46	72.8	6.23
		376.5	91.4	8.71	86.4	8.46	81.9	7.12	80.1	6.97	76.3	6.46	72.8	6.23
90	-5	100.4	31.1	14.69	30.1	13.38	29.2	11.75	29.0	11.20	28.8	10.80	28.3	9.69
		125.5	32.2	14.95	31.2	13.63	30.2	12.01	30.0	11.45	29.8	11.04	29.3	9.90
		251.0	36.4	15.95	35.3	14.64	34.2	13.04	34.0	12.42	33.8	11.99	33.1	10.75
		313.8	40.2	16.95	38.9	15.67	37.8	14.07	37.5	13.40	37.3	12.91	36.6	11.60
		376.5	42.1	17.46	40.8	16.18	39.6	14.59	39.2	13.89	39.0	13.38	38.3	12.03
	0	100.4	55.6	20.01	53.0	18.78	50.6	17.24	49.8	16.44	49.0	15.83	47.2	14.21
		125.5	55.9	20.06	53.3	18.83	50.9	17.29	50.1	16.49	49.3	15.87	47.5	14.25
		251.0	57.2	20.27	54.5	19.04	52.1	17.47	51.3	16.67	50.4	16.05	48.6	14.41
		313.8	58.1	20.27	55.4	19.04	52.9	17.47	52.0	16.67	51.3	16.05	49.4	14.41
		376.5	58.5	20.27	55.8	19.04	53.4	17.47	52.4	16.67	51.7	16.05	49.8	14.41
	5	100.4	78.5	21.49	76.0	20.28	73.6	18.76	72.1	17.89	68.9	17.22	65.6	15.46
		125.5	78.6	21.58	76.0	20.37	73.6	18.86	72.1	17.98	68.9	17.31	65.6	15.54
		251.0	78.9	21.97	75.7	20.76	73.6	19.22	72.1	18.34	68.9	17.67	65.6	15.85
		313.8	79.4	22.10	76.0	20.89	73.6	19.37	72.1	18.47	68.9	17.80	65.6	15.97
		376.5	79.6	22.16	76.1	20.95	73.6	19.45	72.1	18.53	68.9	17.87	65.6	16.04
	10	100.4	79.0	18.97	76.3	18.04	73.6	16.98	72.1	16.29	68.9	15.63	65.6	14.08
		125.5	78.9	18.98	76.2	18.06	73.6	17.00	72.1	16.31	68.9	15.61	65.6	14.10
		251.0	78.8	19.04	75.8	18.14	73.6	17.08	72.1	16.39	68.9	15.56	65.6	14.15
		313.8	79.3	18.98	76.0	18.08	73.6	17.03	72.1	16.33	68.9	15.61	65.6	14.20
		376.5	79.6	18.96	76.1	18.06	73.6	17.00	72.1	16.31	68.9	15.64	65.6	14.23
	15	100.4	79.4	16.43	76.5	15.83	73.6	15.24	72.1	14.72	68.9	14.04	65.6	12.75
		125.5	79.2	16.36	76.4	15.77	73.6	15.18	72.1	14.66	68.9	13.92	65.6	12.68
		251.0	78.7	16.10	75.9	15.51	73.6	14.92	72.1	14.43	68.9	13.43	65.6	12.42
		313.8	79.2	15.87	76.1	15.28	73.6	14.66	72.1	14.17	68.9	13.43	65.6	12.42
		376.5	79.5	15.76	76.2	15.16	73.6	14.53	72.1	14.04	68.9	13.43	65.6	12.42
	20	100.4	79.8	13.87	76.9	13.47	73.6	13.00	72.1	12.48	68.9	12.06	65.6	11.31
		125.5	79.8	13.87	76.7	13.43	73.6	12.94	72.1	12.42	68.9	11.94	65.6	11.19
		251.0	79.5	13.87	76.1	13.27	73.6	12.68	72.1	12.19	68.9	11.45	65.6	10.70
		313.8	79.7	13.63	76.3	13.17	73.6	12.68	72.1	12.19	68.9	11.45	65.6	10.70
		376.5	79.8	13.52	76.5	13.12	73.6	12.68	72.1	12.19	68.9	11.45	65.6	10.70
	25	100.4	81.2	12.12	77.9	11.47	73.6	10.99	72.1	10.44	68.9	10.02	65.6	9.27
		125.5	81.4	12.09	77.9	11.45	73.6	10.93	72.1	10.44	68.9	9.96	65.6	9.21
		251.0	82.1	11.99	77.9	11.34	73.6	10.70	72.1	10.44	68.9	9.70	65.6	8.95
		313.8	82.4	11.68	77.9	11.09	73.6	10.70	72.1	10.19	68.9	9.70	65.6	8.95
		376.5	82.6	11.52	77.9	10.96	73.6	10.70	72.1	10.06	68.9	9.70	65.6	8.95
	30	100.4	82.4	10.99	77.9	10.25	73.6	9.50	72.1	9.27	68.9	8.75	65.6	7.95
		125.5	82.4	10.93	77.9	10.19	73.6	9.44	72.1	9.21	68.9	8.69	65.6	7.95
		251.0	82.4	10.70	77.9	9.96	73.6	9.21	72.1	8.95	68.9	8.46	65.6	7.95
		313.8	82.4	10.44	77.9	9.70	73.6	9.21	72.1	8.95	68.9	8.46	65.6	7.72
		376.5	82.4	10.31	77.9	9.57	73.6	9.21	72.1	8.95	68.9	8.46	65.6	7.60

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	100.4	82.4	10.02	77.9	9.27	73.6	8.53	72.1	8.27	68.9	7.78	65.6	7.26
		125.5	82.4	9.96	77.9	9.21	73.6	8.46	72.1	8.21	68.9	7.72	65.6	7.20
		251.0	82.4	9.70	77.9	8.95	73.6	8.21	72.1	7.95	68.9	7.46	65.6	6.97
		313.8	82.4	9.44	77.9	8.69	73.6	7.95	72.1	7.72	68.9	7.46	65.6	6.97
		376.5	82.4	9.31	77.9	8.57	73.6	7.82	72.1	7.60	68.9	7.46	65.6	6.97
	40	100.4	82.4	9.34	77.9	8.53	73.6	7.52	72.1	7.26	68.9	7.04	65.6	6.52
		125.5	82.4	9.21	77.9	8.46	73.6	7.46	72.1	7.20	68.9	6.97	65.6	6.46
		251.0	82.4	8.69	77.9	8.21	73.6	7.20	72.1	6.97	68.9	6.71	65.6	6.23
		313.8	82.4	8.69	77.9	8.21	73.6	7.20	72.1	6.97	68.9	6.71	65.6	6.23
		376.5	82.4	8.69	77.9	8.21	73.6	7.20	72.1	6.97	68.9	6.71	65.6	6.23
	45	100.4	82.4	8.65	77.9	7.78	73.6	6.52	72.1	6.29	68.9	6.29	65.6	5.77
		125.5	82.4	8.46	77.9	7.72	73.6	6.46	72.1	6.23	68.9	6.23	65.6	5.71
		251.0	82.4	7.72	77.9	7.46	73.6	6.23	72.1	5.97	68.9	5.97	65.6	5.48
		313.8	82.4	7.95	77.9	7.72	73.6	6.46	72.1	6.23	68.9	5.97	65.6	5.48
		376.5	82.4	8.07	77.9	7.85	73.6	6.57	72.1	6.35	68.9	5.97	65.6	5.48
80	-5	100.4	29.4	10.47	27.6	10.07	26.1	9.64	25.8	9.32	25.6	8.89	25.1	8.18
		125.5	30.4	10.70	28.5	10.29	27.0	9.85	26.7	9.52	26.5	9.08	26.0	8.36
		251.0	34.4	11.63	32.2	11.16	30.5	10.68	30.2	10.32	30.0	9.85	29.4	9.05
		313.8	38.0	12.53	35.6	12.04	33.7	11.52	33.3	11.14	33.1	10.62	32.5	9.78
		376.5	39.9	12.98	37.3	12.48	35.3	11.95	34.9	11.55	34.7	11.01	34.0	10.14
	0	100.4	52.5	15.36	48.4	14.75	45.1	14.14	44.2	13.65	43.6	13.00	42.0	11.98
		125.5	52.8	15.41	48.7	14.79	45.3	14.17	44.5	13.69	43.9	13.04	42.2	12.01
		251.0	54.1	15.59	49.8	14.97	46.4	14.33	45.6	13.84	44.9	13.20	43.2	12.14
		313.8	54.9	15.59	50.6	14.97	47.2	14.33	46.2	13.84	45.6	13.20	43.9	12.14
		376.5	55.2	15.59	51.0	14.97	47.5	14.33	46.6	13.84	46.0	13.20	44.2	12.14
	5	100.4	72.6	16.71	68.5	16.08	65.5	15.35	64.1	14.84	61.3	14.15	58.3	13.02
		125.5	72.8	16.80	68.6	16.15	65.5	15.43	64.1	14.92	61.3	14.23	58.3	13.09
		251.0	73.4	17.16	69.2	16.46	65.6	15.77	64.1	15.23	61.3	14.51	58.3	13.38
		313.8	73.4	17.26	69.1	16.59	65.6	15.87	64.1	15.33	61.3	14.61	58.3	13.45
		376.5	73.4	17.31	69.1	16.66	65.6	15.92	64.1	15.38	61.3	14.66	58.3	13.49
	10	100.4	73.0	15.38	68.8	14.68	65.5	13.94	64.1	13.55	61.3	12.83	58.3	11.88
		125.5	73.1	15.36	68.9	14.66	65.5	13.94	64.1	13.56	61.3	12.84	58.3	11.88
		251.0	73.4	15.28	69.2	14.59	65.6	13.97	64.1	13.58	61.3	12.86	58.3	11.91
		313.8	73.4	15.23	69.1	14.64	65.6	14.02	64.1	13.51	61.3	12.78	58.3	11.83
		376.5	73.4	15.20	69.1	14.66	65.6	14.05	64.1	13.47	61.3	12.75	58.3	11.79
	15	100.4	73.4	14.04	69.1	13.29	65.6	12.48	64.1	12.26	61.3	11.51	58.3	10.77
		125.5	73.4	13.92	69.1	13.17	65.6	12.42	64.1	12.19	61.3	11.45	58.3	10.70
		251.0	73.4	13.43	69.1	12.68	65.6	12.19	64.1	11.94	61.3	11.19	58.3	10.44
		313.8	73.4	13.17	69.1	12.68	65.6	12.19	64.1	11.68	61.3	10.93	58.3	10.19
		376.5	73.4	13.04	69.1	12.68	65.6	12.19	64.1	11.55	61.3	10.80	58.3	10.06
	20	100.4	73.4	11.74	69.1	11.25	65.6	10.70	64.1	10.51	61.3	10.02	58.3	9.27
		125.5	73.4	11.68	69.1	11.19	65.6	10.70	64.1	10.44	61.3	9.96	58.3	9.21
		251.0	73.4	11.45	69.1	10.93	65.6	10.70	64.1	10.19	61.3	9.70	58.3	8.95
		313.8	73.4	11.19	69.1	10.70	65.6	10.44	64.1	10.19	61.3	9.44	58.3	8.95
		376.5	73.4	11.06	69.1	10.58	65.6	10.31	64.1	10.19	61.3	9.31	58.3	8.95
	25	100.4	73.4	10.51	69.1	9.76	65.6	9.21	64.1	9.02	61.3	8.53	58.3	8.01
		125.5	73.4	10.44	69.1	9.70	65.6	9.21	64.1	8.95	61.3	8.46	58.3	7.95
		251.0	73.4	10.19	69.1	9.44	65.6	9.21	64.1	8.69	61.3	8.21	58.3	7.72
		313.8	73.4	9.96	69.1	9.44	65.6	8.95	64.1	8.69	61.3	8.21	58.3	7.72
		376.5	73.4	9.84	69.1	9.44	65.6	8.82	64.1	8.69	61.3	8.21	58.3	7.72
	30	100.4	73.4	9.27	69.1	8.75	65.6	8.27	64.1	8.01	61.3	7.52	58.3	7.04
		125.5	73.4	9.21	69.1	8.69	65.6	8.21	64.1	7.95	61.3	7.46	58.3	6.97
		251.0	73.4	8.95	69.1	8.46	65.6	7.95	64.1	7.72	61.3	7.20	58.3	6.71
		313.8	73.4	8.95	69.1	8.46	65.6	7.95	64.1	7.72	61.3	7.20	58.3	6.71
		376.5	73.4	8.95	69.1	8.46	65.6	7.95	64.1	7.72	61.3	7.20	58.3	6.71
	35	100.4	73.4	8.53	69.1	8.01	65.6	7.26	64.1	6.97	61.3	6.78	58.3	6.23
		125.5	73.4	8.46	69.1	7.95	65.6	7.20	64.1	6.97	61.3	6.71	58.3	6.23
		251.0	73.4	8.21	69.1	7.72	65.6	6.97	64.1	6.97	61.3	6.46	58.3	6.23
		313.8	73.4	8.21	69.1	7.46	65.6	6.97	64.1	6.71	61.3	6.46	58.3	5.97
		376.5	73.4	8.21	69.1	7.33	65.6	6.97	64.1	6.58	61.3	6.46	58.3	5.84
	40	100.4	73.4	8.07	69.1	7.26	65.6	6.46	64.1	6.52	61.3	5.97	58.3	5.77
		125.5	73.4	7.95	69.1	7.20	65.6	6.46	64.1	6.46	61.3	5.97	58.3	5.71
		251.0	73.4	7.46	69.1	6.97	65.6	6.46	64.1	6.23	61.3	5.97	58.3	5.48
		313.8	73.4	7.46	69.1	6.97	65.6	6.23	64.1	6.23	61.3	5.97	58.3	5.48
		376.5	73.4	7.46	69.1	6.97	65.6	6.11	64.1	6.23	61.3	5.97	58.3	5.48

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	100.4	73.4	7.65	69.1	6.52	65.6	5.65	64.1	6.09	61.3	5.16	58.3	5.35
		125.5	73.4	7.46	69.1	6.46	65.6	5.71	64.1	5.97	61.3	5.22	58.3	5.22
		251.0	73.4	6.71	69.1	6.23	65.6	5.97	64.1	5.48	61.3	5.48	58.3	4.73
		313.8	73.4	6.71	69.1	6.46	65.6	5.48	64.1	5.71	61.3	5.48	58.3	4.96
		376.5	73.4	6.71	69.1	6.57	65.6	5.23	64.1	5.83	61.3	5.48	58.3	5.08
70	-5	100.4	25.6	8.99	24.1	8.56	22.8	8.28	22.5	7.81	22.4	7.53	22.0	6.85
		125.5	26.5	9.18	24.9	8.75	23.5	8.46	23.3	7.97	23.2	7.69	22.8	7.00
		251.0	30.0	9.96	28.2	9.49	26.6	9.18	26.4	8.64	26.2	8.33	25.8	7.59
		313.8	33.2	10.75	31.2	10.24	29.4	9.90	29.2	9.31	29.0	9.00	28.4	8.18
		376.5	34.8	11.15	32.7	10.61	30.8	10.27	30.6	9.65	30.3	9.34	29.8	8.48
	0	100.4	45.9	13.16	42.4	12.55	39.4	12.13	38.7	11.41	38.1	11.03	36.7	10.03
		125.5	46.2	13.20	42.7	12.58	39.6	12.17	38.9	11.45	38.3	11.06	37.0	10.06
		251.0	47.2	13.35	43.7	12.71	40.5	12.32	39.8	11.58	39.2	11.19	37.8	10.16
		313.8	47.9	13.35	44.3	12.71	41.1	12.32	40.5	11.58	39.8	11.19	38.4	10.16
		376.5	48.3	13.35	44.7	12.71	41.4	12.32	40.8	11.58	40.2	11.19	38.7	10.16
	5	100.4	63.4	14.33	60.1	13.64	57.2	13.20	56.0	12.44	53.5	12.00	51.0	10.90
		125.5	63.5	14.41	60.2	13.71	57.2	13.27	56.0	12.50	53.5	12.06	51.0	10.96
		251.0	64.1	14.69	60.6	13.99	57.3	13.56	56.0	12.73	53.5	12.32	51.0	11.19
		313.8	64.1	14.79	60.6	14.10	57.3	13.66	56.0	12.84	53.5	12.40	51.0	11.27
		376.5	64.1	14.84	60.5	14.15	57.3	13.71	56.0	12.89	53.5	12.44	51.0	11.31
	10	100.4	63.7	13.20	60.3	12.48	57.3	12.01	56.0	11.34	53.5	10.88	51.0	9.96
		125.5	63.8	13.17	60.3	12.45	57.3	11.99	56.0	11.34	53.5	10.88	51.0	9.96
		251.0	64.1	13.07	60.6	12.35	57.3	11.88	56.0	11.34	53.5	10.88	51.0	9.96
		313.8	64.1	13.12	60.6	12.40	57.3	11.94	56.0	11.40	53.5	10.80	51.0	9.98
		376.5	64.1	13.15	60.6	12.42	57.3	11.96	56.0	11.42	53.5	10.77	51.0	9.99
	15	100.4	64.1	12.06	60.6	11.31	57.3	10.83	56.0	10.25	53.5	9.76	51.0	9.02
		125.5	64.1	11.94	60.6	11.19	57.3	10.70	56.0	10.19	53.5	9.70	51.0	8.95
		251.0	64.1	11.45	60.6	10.70	57.3	10.19	56.0	9.96	53.5	9.44	51.0	8.69
		313.8	64.1	11.45	60.6	10.70	57.3	10.19	56.0	9.96	53.5	9.21	51.0	8.69
		376.5	64.1	11.45	60.6	10.70	57.3	10.19	56.0	9.96	53.5	9.09	51.0	8.69
	20	100.4	64.1	10.02	60.6	9.50	57.3	9.27	56.0	9.02	53.5	8.53	51.0	8.01
		125.5	64.1	9.96	60.6	9.44	57.3	9.21	56.0	8.95	53.5	8.46	51.0	7.95
		251.0	64.1	9.70	60.6	9.21	57.3	8.95	56.0	8.69	53.5	8.21	51.0	7.72
		313.8	64.1	9.70	60.6	9.21	57.3	8.95	56.0	8.46	53.5	8.21	51.0	7.46
		376.5	64.1	9.70	60.6	9.21	57.3	8.95	56.0	8.35	53.5	8.21	51.0	7.33
	25	100.4	64.1	9.02	60.6	8.53	57.3	8.01	56.0	7.78	53.5	7.20	51.0	6.71
		125.5	64.1	8.95	60.6	8.46	57.3	7.95	56.0	7.72	53.5	7.20	51.0	6.71
		251.0	64.1	8.69	60.6	8.21	57.3	7.72	56.0	7.46	53.5	7.20	51.0	6.71
		313.8	64.1	8.46	60.6	7.95	57.3	7.72	56.0	7.46	53.5	6.97	51.0	6.71
		376.5	64.1	8.35	60.6	7.82	57.3	7.72	56.0	7.46	53.5	6.85	51.0	6.71
	30	100.4	64.1	8.01	60.6	7.52	57.3	7.04	56.0	6.71	53.5	6.52	51.0	5.97
		125.5	64.1	7.95	60.6	7.46	57.3	6.97	56.0	6.71	53.5	6.46	51.0	5.97
		251.0	64.1	7.72	60.6	7.20	57.3	6.71	56.0	6.71	53.5	6.23	51.0	5.97
		313.8	64.1	7.72	60.6	7.20	57.3	6.71	56.0	6.46	53.5	6.23	51.0	5.97
		376.5	64.1	7.72	60.6	7.20	57.3	6.71	56.0	6.33	53.5	6.23	51.0	5.97
	35	100.4	64.1	7.26	60.6	6.78	57.3	6.23	56.0	6.29	53.5	5.71	51.0	5.54
		125.5	64.1	7.20	60.6	6.71	57.3	6.23	56.0	6.23	53.5	5.71	51.0	5.48
		251.0	64.1	6.97	60.6	6.46	57.3	6.23	56.0	5.97	53.5	5.71	51.0	5.22
		313.8	64.1	6.97	60.6	6.46	57.3	5.97	56.0	5.97	53.5	5.71	51.0	5.22
		376.5	64.1	6.97	60.6	6.46	57.3	5.84	56.0	5.97	53.5	5.71	51.0	5.22
	40	100.4	64.1	6.78	60.6	6.29	57.3	5.77	56.0	5.48	53.5	5.22	51.0	5.02
		125.5	64.1	6.71	60.6	6.23	57.3	5.71	56.0	5.48	53.5	5.22	51.0	4.96
		251.0	64.1	6.46	60.6	5.97	57.3	5.48	56.0	5.48	53.5	5.22	51.0	4.73
		313.8	64.1	6.46	60.6	5.97	57.3	5.48	56.0	5.22	53.5	4.96	51.0	4.73
		376.5	64.1	6.46	60.6	5.97	57.3	5.48	56.0	5.09	53.5	4.84	51.0	4.73
	45	100.4	64.1	6.29	60.6	5.77	57.3	5.35	56.0	4.67	53.5	4.73	51.0	4.54
		125.5	64.1	6.23	60.6	5.71	57.3	5.22	56.0	4.73	53.5	4.73	51.0	4.48
		251.0	64.1	5.97	60.6	5.48	57.3	4.73	56.0	4.96	53.5	4.73	51.0	4.22
		313.8	64.1	5.97	60.6	5.48	57.3	4.96	56.0	4.48	53.5	4.22	51.0	4.22
		376.5	64.1	5.97	60.6	5.48	57.3	5.08	56.0	4.23	53.5	3.96	51.0	4.22
60	-5	100.4	22.0	7.30	20.6	7.02	19.5	6.74	19.3	6.27	19.2	6.17	18.8	5.51
		125.5	22.8	7.46	21.3	7.18	20.2	6.89	20.0	6.41	19.9	6.30	19.5	5.63
		251.0	25.8	8.10	24.2	7.79	22.9	7.49	22.6	6.95	22.6	6.84	22.1	6.12
		313.8	28.5	8.72	26.7	8.41	25.3	8.08	25.0	7.51	24.9	7.38	24.4	6.59
		376.5	29.8	9.03	27.9	8.72	26.5	8.38	26.2	7.80	26.1	7.66	25.5	6.82

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	100.4	39.4	10.69	36.3	10.32	33.8	9.87	33.2	9.18	32.7	9.05	31.5	8.08
		125.5	39.6	10.73	36.5	10.34	34.1	9.90	33.4	9.21	32.9	9.08	31.7	8.10
		251.0	40.5	10.86	37.3	10.44	34.9	10.03	34.1	9.31	33.7	9.18	32.4	8.18
		313.8	41.1	10.86	37.9	10.44	35.4	10.03	34.7	9.31	34.2	9.18	32.9	8.18
		376.5	41.4	10.86	38.2	10.44	35.7	10.03	34.9	9.31	34.5	9.18	33.2	8.18
	5	100.4	54.4	11.65	51.3	11.21	49.2	10.75	48.0	10.01	45.9	9.85	43.7	8.78
		125.5	54.5	11.70	51.4	11.27	49.2	10.80	48.0	10.06	45.9	9.90	43.7	8.82
		251.0	55.0	11.94	51.8	11.50	49.2	11.04	48.0	10.26	45.9	10.11	43.7	9.00
		313.8	55.0	12.04	51.7	11.58	49.2	11.11	48.0	10.34	45.9	10.16	43.7	9.08
		376.5	55.0	12.09	51.7	11.61	49.2	11.15	48.0	10.38	45.9	10.19	43.7	9.12
	10	100.4	54.7	10.70	51.5	10.24	49.2	9.75	48.0	9.11	45.9	8.93	43.7	8.01
		125.5	54.8	10.70	51.6	10.24	49.2	9.75	48.0	9.13	45.9	8.93	43.7	8.03
		251.0	55.0	10.70	51.8	10.24	49.2	9.75	48.0	9.23	45.9	8.90	43.7	8.10
		313.8	55.0	10.73	51.7	10.14	49.2	9.65	48.0	9.13	45.9	8.82	43.7	8.03
		376.5	55.0	10.74	51.7	10.08	49.2	9.59	48.0	9.08	45.9	8.78	43.7	7.99
	15	100.4	55.0	9.76	51.7	9.27	49.2	8.75	48.0	8.21	45.9	8.01	43.7	7.20
		125.5	55.0	9.70	51.7	9.21	49.2	8.69	48.0	8.21	45.9	7.95	43.7	7.20
		251.0	55.0	9.44	51.7	8.95	49.2	8.46	48.0	8.21	45.9	7.72	43.7	7.20
		313.8	55.0	9.44	51.7	8.69	49.2	8.21	48.0	7.95	45.9	7.46	43.7	6.97
		376.5	55.0	9.44	51.7	8.57	49.2	8.08	48.0	7.82	45.9	7.33	43.7	6.85
	20	100.4	55.0	8.53	51.7	8.01	49.2	7.52	48.0	7.26	45.9	7.04	43.7	6.52
		125.5	55.0	8.46	51.7	7.95	49.2	7.46	48.0	7.20	45.9	6.97	43.7	6.46
		251.0	55.0	8.21	51.7	7.72	49.2	7.20	48.0	6.97	45.9	6.71	43.7	6.23
		313.8	55.0	8.21	51.7	7.72	49.2	7.20	48.0	6.97	45.9	6.71	43.7	6.23
		376.5	55.0	8.21	51.7	7.72	49.2	7.20	48.0	6.97	45.9	6.71	43.7	6.23
	25	100.4	55.0	7.52	51.7	7.04	49.2	6.46	48.0	6.52	45.9	5.97	43.7	5.77
		125.5	55.0	7.46	51.7	6.97	49.2	6.46	48.0	6.46	45.9	5.97	43.7	5.71
		251.0	55.0	7.20	51.7	6.71	49.2	6.46	48.0	6.23	45.9	5.97	43.7	5.48
		313.8	55.0	7.20	51.7	6.71	49.2	6.23	48.0	6.23	45.9	5.97	43.7	5.48
		376.5	55.0	7.20	51.7	6.71	49.2	6.11	48.0	6.23	45.9	5.97	43.7	5.48
	30	100.4	55.0	6.78	51.7	6.29	49.2	6.03	48.0	5.77	45.9	5.54	43.7	5.29
		125.5	55.0	6.71	51.7	6.23	49.2	5.97	48.0	5.71	45.9	5.48	43.7	5.22
		251.0	55.0	6.46	51.7	5.97	49.2	5.71	48.0	5.48	45.9	5.22	43.7	4.96
		313.8	55.0	6.46	51.7	5.97	49.2	5.71	48.0	5.48	45.9	5.22	43.7	4.96
		376.5	55.0	6.46	51.7	5.97	49.2	5.71	48.0	5.48	45.9	5.22	43.7	4.96
	35	100.4	55.0	5.97	51.7	5.77	49.2	5.22	48.0	5.29	45.9	5.02	43.7	4.80
		125.5	55.0	5.97	51.7	5.71	49.2	5.22	48.0	5.22	45.9	4.96	43.7	4.73
		251.0	55.0	5.97	51.7	5.48	49.2	5.22	48.0	4.96	45.9	4.73	43.7	4.48
		313.8	55.0	5.97	51.7	5.48	49.2	4.96	48.0	4.96	45.9	4.73	43.7	4.48
		376.5	55.0	5.97	51.7	5.48	49.2	4.84	48.0	4.96	45.9	4.73	43.7	4.48
	40	100.4	55.0	5.48	51.7	5.29	49.2	4.73	48.0	4.80	45.9	4.54	43.7	4.22
		125.5	55.0	5.48	51.7	5.22	49.2	4.73	48.0	4.73	45.9	4.48	43.7	4.22
		251.0	55.0	5.48	51.7	4.96	49.2	4.73	48.0	4.48	45.9	4.22	43.7	4.22
		313.8	55.0	5.48	51.7	4.96	49.2	4.73	48.0	4.48	45.9	4.22	43.7	4.22
		376.5	55.0	5.48	51.7	4.96	49.2	4.73	48.0	4.48	45.9	4.22	43.7	4.22
	45	100.4	55.0	4.96	51.7	4.80	49.2	4.22	48.0	4.28	45.9	4.05	43.7	3.67
		125.5	55.0	4.96	51.7	4.73	49.2	4.22	48.0	4.22	45.9	3.99	43.7	3.73
		251.0	55.0	4.96	51.7	4.48	49.2	4.22	48.0	3.99	45.9	3.73	43.7	3.99
		313.8	55.0	4.96	51.7	4.48	49.2	4.48	48.0	3.99	45.9	3.73	43.7	3.99
		376.5	55.0	4.96	51.7	4.48	49.2	4.61	48.0	3.99	45.9	3.73	43.7	3.99
50	-5	100.4	18.4	5.82	17.3	5.51	16.3	5.21	16.1	4.93	16.0	4.63	15.7	4.39
		125.5	19.0	5.94	17.8	5.63	16.8	5.32	16.6	5.04	16.5	4.73	16.2	4.48
		251.0	21.4	6.43	20.1	6.12	19.0	5.76	18.8	5.48	18.7	5.14	18.4	4.84
		313.8	23.7	6.95	22.2	6.59	21.0	6.23	20.8	5.92	20.6	5.53	20.3	5.22
		376.5	24.8	7.20	23.3	6.82	22.0	6.46	21.8	6.14	21.6	5.73	21.3	5.42
	0	100.4	32.7	8.52	30.3	8.08	28.2	7.61	27.6	7.23	27.2	6.80	26.2	6.41
		125.5	32.9	8.54	30.5	8.10	28.3	7.64	27.7	7.25	27.4	6.82	26.4	6.43
		251.0	33.7	8.62	31.2	8.18	29.0	7.74	28.4	7.36	28.0	6.89	27.0	6.51
		313.8	34.2	8.62	31.6	8.18	29.4	7.74	28.9	7.36	28.4	6.89	27.4	6.51
		376.5	34.5	8.62	31.8	8.18	29.6	7.74	29.1	7.36	28.6	6.89	27.7	6.51
	5	100.4	45.2	9.27	42.9	8.78	40.9	8.29	39.9	7.88	38.2	7.40	36.4	6.96
		125.5	45.3	9.31	43.0	8.82	40.9	8.33	39.9	7.92	38.2	7.43	36.4	7.00
		251.0	45.7	9.49	43.3	9.00	41.0	8.51	39.9	8.08	38.2	7.56	36.4	7.15
		313.8	45.7	9.57	43.2	9.08	41.0	8.57	39.9	8.13	38.2	7.64	36.4	7.20
		376.5	45.7	9.61	43.2	9.12	41.0	8.59	39.9	8.15	38.2	7.68	36.4	7.23

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(26HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	100.4	45.5	8.53	43.0	8.03	40.9	7.55	39.9	7.22	38.2	6.67	36.4	6.37
		125.5	45.6	8.51	43.0	8.03	40.9	7.54	39.9	7.20	38.2	6.69	36.4	6.35
		251.0	45.7	8.46	43.3	8.00	41.0	7.49	39.9	7.15	38.2	6.77	36.4	6.30
		313.8	45.7	8.51	43.2	8.03	41.0	7.51	39.9	7.18	38.2	6.66	36.4	6.33
		376.5	45.7	8.54	43.2	8.04	41.0	7.52	39.9	7.19	38.2	6.61	36.4	6.34
	15	100.4	45.7	7.78	43.2	7.26	41.0	6.78	39.9	6.52	38.2	5.97	36.4	5.77
		125.5	45.7	7.72	43.2	7.20	41.0	6.71	39.9	6.46	38.2	5.97	36.4	5.71
		251.0	45.7	7.46	43.2	6.97	41.0	6.46	39.9	6.23	38.2	5.97	36.4	5.48
		313.8	45.7	7.46	43.2	6.97	41.0	6.46	39.9	6.23	38.2	5.71	36.4	5.48
		376.5	45.7	7.46	43.2	6.97	41.0	6.46	39.9	6.23	38.2	5.58	36.4	5.48
	20	100.4	45.7	6.78	43.2	6.29	41.0	6.03	39.9	5.77	38.2	5.54	36.4	4.96
		125.5	45.7	6.71	43.2	6.23	41.0	5.97	39.9	5.71	38.2	5.48	36.4	4.96
		251.0	45.7	6.46	43.2	5.97	41.0	5.71	39.9	5.48	38.2	5.22	36.4	4.96
		313.8	45.7	6.46	43.2	5.97	41.0	5.71	39.9	5.48	38.2	5.22	36.4	4.96
		376.5	45.7	6.46	43.2	5.97	41.0	5.71	39.9	5.48	38.2	5.22	36.4	4.96
	25	100.4	45.7	6.03	43.2	5.48	41.0	5.29	39.9	4.96	38.2	4.73	36.4	4.48
		125.5	45.7	5.97	43.2	5.48	41.0	5.22	39.9	4.96	38.2	4.73	36.4	4.48
		251.0	45.7	5.71	43.2	5.48	41.0	4.96	39.9	4.96	38.2	4.73	36.4	4.48
		313.8	45.7	5.71	43.2	5.48	41.0	4.96	39.9	4.96	38.2	4.73	36.4	4.48
		376.5	45.7	5.71	43.2	5.48	41.0	4.96	39.9	4.96	38.2	4.73	36.4	4.48
	30	100.4	45.7	5.54	43.2	5.02	41.0	4.80	39.9	4.48	38.2	4.54	36.4	4.28
		125.5	45.7	5.48	43.2	4.96	41.0	4.73	39.9	4.48	38.2	4.48	36.4	4.22
		251.0	45.7	5.22	43.2	4.73	41.0	4.48	39.9	4.48	38.2	4.22	36.4	3.99
		313.8	45.7	5.22	43.2	4.73	41.0	4.48	39.9	4.48	38.2	4.22	36.4	3.99
		376.5	45.7	5.22	43.2	4.73	41.0	4.48	39.9	4.48	38.2	4.22	36.4	3.99
	35	100.4	45.7	5.02	43.2	4.48	41.0	4.22	39.9	4.28	38.2	3.99	36.4	3.73
		125.5	45.7	4.96	43.2	4.48	41.0	4.22	39.9	4.22	38.2	3.99	36.4	3.73
		251.0	45.7	4.73	43.2	4.48	41.0	4.22	39.9	3.99	38.2	3.99	36.4	3.73
		313.8	45.7	4.73	43.2	4.48	41.0	4.22	39.9	3.99	38.2	3.99	36.4	3.73
		376.5	45.7	4.73	43.2	4.48	41.0	4.22	39.9	3.99	38.2	3.99	36.4	3.73
	40	100.4	45.7	4.54	43.2	4.28	41.0	4.05	39.9	3.73	38.2	3.79	36.4	3.47
		125.5	45.7	4.48	43.2	4.22	41.0	3.99	39.9	3.73	38.2	3.73	36.4	3.47
		251.0	45.7	4.22	43.2	3.99	41.0	3.73	39.9	3.73	38.2	3.47	36.4	3.47
		313.8	45.7	4.22	43.2	3.99	41.0	3.73	39.9	3.73	38.2	3.47	36.4	3.47
		376.5	45.7	4.22	43.2	3.99	41.0	3.73	39.9	3.73	38.2	3.47	36.4	3.47
	45	100.4	45.7	4.05	43.2	4.12	41.0	3.85	39.9	3.18	38.2	3.60	36.4	3.24
		125.5	45.7	3.99	43.2	3.99	41.0	3.73	39.9	3.24	38.2	3.47	36.4	3.24
		251.0	45.7	3.73	43.2	3.47	41.0	3.24	39.9	3.47	38.2	2.98	36.4	3.24
		313.8	45.7	3.73	43.2	3.47	41.0	3.24	39.9	3.47	38.2	2.98	36.4	3.24
		376.5	45.7	3.73	43.2	3.47	41.0	3.24	39.9	3.47	38.2	2.98	36.4	3.24

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

ARWN280LAS4

Heating Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	108.0	41.7	17.11	41.4	16.11	41.2	15.00	40.6	14.55	41.1	14.17	40.0	12.71
		135.0	43.2	17.41	42.8	16.42	42.6	15.33	42.0	14.88	42.5	14.48	41.4	12.99
		270.0	48.8	18.59	48.4	17.66	48.2	16.62	47.5	16.14	48.1	15.69	46.8	14.09
		337.5	54.0	19.78	53.5	18.88	53.2	17.92	52.5	17.44	53.2	16.93	51.8	15.18
		405.0	56.6	20.37	56.1	19.49	55.7	18.57	55.0	18.09	55.7	17.56	54.3	15.74
	0	108.0	74.5	23.40	72.9	22.71	71.3	21.97	69.7	21.35	70.0	20.76	66.8	18.59
		135.0	75.0	23.47	73.3	22.76	71.7	22.03	70.1	21.41	70.4	20.82	67.2	18.65
		270.0	76.8	23.72	74.9	22.99	73.3	22.28	71.8	21.66	72.0	21.04	68.8	18.88
		337.5	77.9	23.72	76.1	22.99	74.5	22.28	72.9	21.66	73.1	21.04	69.8	18.88
		405.0	78.5	23.72	76.6	22.99	75.1	22.28	73.4	21.66	73.6	21.04	70.3	18.88
	5	108.0	107.4	25.16	105.7	24.54	103.5	23.91	100.9	23.23	98.2	22.59	92.8	20.23
		135.0	107.7	25.27	105.9	24.65	103.5	24.03	100.9	23.35	98.2	22.71	92.8	20.34
		270.0	109.2	25.72	106.7	25.10	103.6	24.51	100.9	23.83	98.2	23.16	92.8	20.76
		337.5	109.9	25.89	107.0	25.27	103.6	24.68	100.9	24.00	98.2	23.33	92.8	20.90
		405.0	110.2	25.98	107.2	25.36	103.6	24.76	100.9	24.09	98.2	23.41	92.8	20.97
	10	108.0	107.5	22.89	105.8	22.12	103.2	21.71	100.5	21.22	97.8	20.50	92.4	18.50
		135.0	108.1	22.85	106.3	22.14	103.6	21.75	100.9	21.21	98.2	20.48	92.8	18.48
		270.0	110.7	22.68	108.2	22.23	105.3	21.92	102.6	21.19	99.7	20.43	94.3	18.42
		337.5	111.3	22.99	109.0	22.54	105.9	22.00	103.1	21.27	100.3	20.76	94.8	19.30
		405.0	111.5	23.14	109.3	22.69	106.3	22.05	103.3	21.31	100.7	20.93	95.1	19.74
	15	108.0	107.7	20.63	105.8	19.75	102.8	19.54	100.1	19.22	97.5	18.40	92.0	16.76
		135.0	108.5	20.43	106.6	19.66	103.6	19.50	100.9	19.07	98.2	18.26	92.8	16.62
		270.0	112.1	19.61	109.8	19.33	106.9	19.33	104.2	18.51	101.2	17.69	95.7	16.06
		337.5	112.6	20.09	110.8	19.78	108.2	19.33	105.3	18.51	102.6	18.20	96.9	17.69
		405.0	112.9	20.33	111.4	20.00	108.9	19.33	105.8	18.51	103.3	18.45	97.5	18.52
	20	108.0	111.8	18.93	109.7	18.04	106.8	17.65	103.9	17.09	100.8	16.71	94.9	16.19
		135.0	112.6	18.79	110.6	18.03	107.6	17.64	104.7	17.16	101.7	16.82	95.7	16.06
		270.0	116.2	18.26	114.1	17.97	110.9	17.58	108.0	17.44	105.3	17.27	99.3	15.52
		337.5	116.7	18.26	114.9	17.97	112.2	17.69	109.0	17.44	106.1	17.27	100.1	16.51
		405.0	116.9	18.26	115.4	17.97	112.9	17.75	109.6	17.44	106.5	17.27	100.5	17.01
	25	108.0	118.0	18.05	114.9	17.52	112.2	17.23	110.1	16.94	107.6	16.69	101.5	15.59
		135.0	118.0	17.97	114.9	17.50	112.2	17.16	110.1	16.88	107.6	16.62	101.5	15.52
		270.0	118.0	17.69	114.9	17.38	112.2	16.88	110.1	16.62	107.6	16.34	101.5	15.24
		337.5	118.0	17.44	114.9	16.93	112.2	16.62	110.1	16.34	107.6	16.06	101.5	14.99
		405.0	118.0	17.31	114.9	16.70	112.2	16.49	110.1	16.20	107.6	15.92	101.5	14.86
	30	108.0	118.0	17.58	114.9	16.71	112.2	16.55	110.1	16.12	107.6	15.95	101.5	14.84
		135.0	118.0	17.44	114.9	16.68	112.2	16.45	110.1	16.06	107.6	15.80	101.5	14.71
		270.0	118.0	16.88	114.9	16.57	112.2	16.06	110.1	15.80	107.6	15.24	101.5	14.17
		337.5	118.0	16.62	114.9	16.11	112.2	15.80	110.1	15.52	107.6	15.24	101.5	14.17
		405.0	118.0	16.49	114.9	15.89	112.2	15.68	110.1	15.38	107.6	15.24	101.5	14.17
	35	108.0	118.0	16.76	114.9	16.21	112.2	15.88	110.1	15.31	107.6	14.78	101.5	13.74
		135.0	118.0	16.62	114.9	16.11	112.2	15.80	110.1	15.24	107.6	14.71	101.5	13.61
		270.0	118.0	16.06	114.9	15.75	112.2	15.52	110.1	14.99	107.6	14.42	101.5	13.07
		337.5	118.0	16.06	114.9	15.58	112.2	15.24	110.1	14.71	107.6	14.17	101.5	13.07
		405.0	118.0	16.06	114.9	15.49	112.2	15.10	110.1	14.56	107.6	14.04	101.5	13.07
	40	108.0	118.0	16.19	114.9	15.68	112.2	15.38	110.1	14.84	107.6	14.31	101.5	12.93
		135.0	118.0	16.06	114.9	15.58	112.2	15.24	110.1	14.71	107.6	14.17	101.5	12.79
		270.0	118.0	15.52	114.9	15.18	112.2	14.71	110.1	14.17	107.6	13.61	101.5	12.26
		337.5	118.0	15.24	114.9	14.93	112.2	14.71	110.1	14.17	107.6	13.61	101.5	12.26
		405.0	118.0	15.10	114.9	14.80	112.2	14.71	110.1	14.17	107.6	13.61	101.5	12.26
	45	108.0	118.0	15.66	114.9	15.14	112.2	14.91	110.1	14.38	107.6	13.81	101.5	12.11
		135.0	118.0	15.52	114.9	15.04	112.2	14.71	110.1	14.17	107.6	13.61	101.5	11.97
		270.0	118.0	14.99	114.9	14.65	112.2	13.89	110.1	13.35	107.6	12.79	101.5	11.44
		337.5	118.0	14.42	114.9	14.28	112.2	14.17	110.1	13.61	107.6	13.07	101.5	11.44
		405.0	118.0	14.14	114.9	14.10	112.2	14.31	110.1	13.74	107.6	13.21	101.5	11.44
120	-5	108.0	39.7	17.11	39.3	16.11	39.1	15.00	38.6	14.36	38.9	13.95	37.9	12.48
		135.0	41.0	17.41	40.7	16.42	40.4	15.33	40.0	14.68	40.3	14.26	39.2	12.76
		270.0	46.4	18.59	46.0	17.66	45.8	16.62	45.2	15.92	45.6	15.47	44.4	13.86
		337.5	51.3	19.78	50.9	18.88	50.5	17.92	50.0	17.19	50.4	16.68	49.0	14.93
		405.0	53.7	20.37	53.3	19.49	52.9	18.57	52.4	17.82	52.8	17.29	51.3	15.47
	0	108.0	70.9	23.40	69.2	22.71	67.7	21.97	66.3	21.04	66.3	20.45	63.3	18.28
		135.0	71.3	23.47	69.6	22.76	68.1	22.03	66.7	21.10	66.7	20.51	63.7	18.34
		270.0	72.9	23.72	71.2	22.99	69.7	22.28	68.3	21.35	68.3	20.73	65.2	18.57
		337.5	74.1	23.72	72.4	22.99	70.8	22.28	69.3	21.35	69.2	20.73	66.2	18.57
		405.0	74.7	23.72	72.9	22.99	71.3	22.28	69.9	21.35	69.7	20.73	66.7	18.57

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	108.0	102.2	25.16	100.6	24.54	98.5	23.91	96.1	22.90	93.0	22.26	88.0	19.93
		135.0	102.6	25.27	100.8	24.65	98.5	24.03	96.1	23.02	93.0	22.37	88.0	20.03
		270.0	104.0	25.72	101.6	25.10	98.5	24.51	96.1	23.50	93.0	22.82	88.0	20.43
		337.5	104.6	25.89	101.0	25.27	98.5	24.68	96.1	23.66	93.0	22.99	88.0	20.57
		405.0	104.9	25.98	100.7	25.36	98.5	24.76	96.1	23.75	93.0	23.07	88.0	20.64
	10	108.0	102.6	22.60	100.7	21.97	98.2	21.53	95.8	20.88	92.8	20.19	87.7	18.15
		135.0	103.1	22.68	101.1	22.06	98.5	21.61	96.1	20.90	93.0	20.17	88.0	18.17
		270.0	104.9	22.99	102.7	22.40	99.5	21.92	97.1	21.02	94.0	20.12	88.9	18.26
		337.5	105.5	22.90	102.4	22.40	99.9	22.00	97.6	21.10	94.4	20.20	89.3	18.88
		405.0	105.8	22.86	102.2	22.40	100.1	22.05	97.8	21.14	94.6	20.24	89.5	19.19
	15	108.0	102.9	20.04	100.8	19.45	97.9	19.15	95.5	18.86	92.6	18.11	87.5	16.41
		135.0	103.5	20.09	101.4	19.50	98.5	19.19	96.1	18.79	93.0	17.97	88.0	16.34
		270.0	105.8	20.26	103.9	19.66	100.7	19.33	98.2	18.51	94.9	17.44	89.8	16.06
		337.5	106.4	19.95	103.8	19.50	101.5	19.33	99.0	18.51	95.7	17.44	90.7	17.16
		405.0	106.7	19.79	103.7	19.41	101.9	19.33	99.4	18.51	96.2	17.44	91.1	17.71
	20	108.0	105.7	18.03	103.7	17.26	100.6	16.80	97.8	16.56	94.7	16.35	89.5	15.52
		135.0	106.4	18.03	104.4	17.33	101.2	16.88	98.5	16.62	95.3	16.34	90.1	15.47
		270.0	109.1	18.03	106.8	17.58	103.4	17.16	100.9	16.88	97.6	16.28	92.2	15.24
		337.5	109.6	17.86	106.7	17.44	104.2	17.16	101.5	16.88	98.2	16.34	92.8	15.80
		405.0	109.9	17.78	106.7	17.37	104.6	17.16	101.8	16.88	98.5	16.37	93.1	16.09
	25	108.0	110.9	17.05	107.6	16.26	104.2	15.95	102.0	15.59	99.3	15.31	93.9	14.24
		135.0	110.9	16.99	107.6	16.23	104.2	15.92	102.0	15.52	99.3	15.24	93.9	14.17
		270.0	111.2	16.73	107.6	16.11	104.2	15.80	102.0	15.24	99.3	14.99	93.9	13.89
		337.5	111.5	16.11	107.6	15.69	104.2	15.52	102.0	15.24	99.3	14.71	93.9	13.89
		405.0	111.7	15.80	107.6	15.48	104.2	15.38	102.0	15.24	99.3	14.56	93.9	13.89
	30	108.0	111.5	16.31	107.6	15.50	104.2	15.06	102.0	14.49	99.3	14.31	93.9	13.14
		135.0	111.5	16.17	107.6	15.41	104.2	14.99	102.0	14.42	99.3	14.17	93.9	13.07
		270.0	111.5	15.64	107.6	15.04	104.2	14.71	102.0	14.17	99.3	13.61	93.9	12.79
		337.5	111.5	15.13	107.6	14.71	104.2	14.42	102.0	14.17	99.3	13.61	93.9	12.54
		405.0	111.5	14.87	107.6	14.54	104.2	14.28	102.0	14.17	99.3	13.61	93.9	12.41
	35	108.0	111.5	15.57	107.6	14.73	104.2	14.31	102.0	13.74	99.3	13.21	93.9	12.04
		135.0	111.5	15.35	107.6	14.59	104.2	14.17	102.0	13.61	99.3	13.07	93.9	11.97
		270.0	111.5	14.48	107.6	14.06	104.2	13.61	102.0	13.07	99.3	12.54	93.9	11.72
		337.5	111.5	14.31	107.6	13.95	104.2	13.61	102.0	13.07	99.3	12.54	93.9	11.44
		405.0	111.5	14.23	107.6	13.89	104.2	13.61	102.0	13.07	99.3	12.54	93.9	11.30
	40	108.0	111.5	15.11	107.6	14.05	104.2	13.50	102.0	12.93	99.3	12.39	93.9	11.22
		135.0	111.5	14.82	107.6	13.89	104.2	13.35	102.0	12.79	99.3	12.26	93.9	11.16
		270.0	111.5	13.66	107.6	13.24	104.2	12.79	102.0	12.26	99.3	11.72	93.9	10.90
		337.5	111.5	13.49	107.6	13.07	104.2	12.79	102.0	12.26	99.3	11.72	93.9	10.62
		405.0	111.5	13.41	107.6	12.99	104.2	12.79	102.0	12.26	99.3	11.72	93.9	10.48
	45	108.0	111.5	14.65	107.6	13.38	104.2	12.68	102.0	12.11	99.3	11.57	93.9	10.40
		135.0	111.5	14.28	107.6	13.18	104.2	12.54	102.0	11.97	99.3	11.44	93.9	10.34
		270.0	111.5	12.85	107.6	12.42	104.2	11.97	102.0	11.44	99.3	10.90	93.9	10.09
		337.5	111.5	12.68	107.6	12.20	104.2	11.97	102.0	11.44	99.3	10.90	93.9	9.80
		405.0	111.5	12.59	107.6	12.09	104.2	11.97	102.0	11.44	99.3	10.90	93.9	9.66
110	-5	108.0	37.5	17.34	37.3	16.11	37.0	15.00	36.6	14.36	36.7	13.95	35.9	12.48
		135.0	38.8	17.64	38.6	16.42	38.3	15.33	37.9	14.68	38.0	14.26	37.2	12.76
		270.0	43.9	18.82	43.6	17.66	43.4	16.62	42.9	15.92	42.9	15.47	42.1	13.86
		337.5	48.5	20.03	48.2	18.88	47.9	17.92	47.4	17.19	47.4	16.68	46.4	14.93
		405.0	50.8	20.64	50.4	19.49	50.2	18.57	49.7	17.82	49.7	17.29	48.6	15.47
	0	108.0	67.0	23.72	65.6	22.71	64.2	21.97	63.0	21.04	62.4	20.45	60.0	18.28
		135.0	67.4	23.78	66.0	22.76	64.6	22.03	63.3	21.10	62.8	20.51	60.4	18.34
		270.0	69.0	24.00	67.5	22.99	66.0	22.28	64.8	21.35	64.2	20.73	61.8	18.57
		337.5	70.1	24.00	68.6	22.99	67.1	22.28	65.8	21.35	65.2	20.73	62.7	18.57
		405.0	70.6	24.00	69.1	22.99	67.7	22.28	66.3	21.35	65.7	20.73	63.1	18.57
	5	108.0	97.8	25.49	95.5	24.54	93.3	23.91	91.2	22.90	87.6	22.26	83.4	19.93
		135.0	98.1	25.61	95.7	24.65	93.3	24.03	91.2	23.02	87.6	22.37	83.4	20.03
		270.0	99.4	26.06	96.4	25.10	93.4	24.51	91.2	23.50	87.6	22.82	83.4	20.43
		337.5	100.0	26.23	96.7	25.27	93.4	24.68	91.2	23.66	87.6	22.99	83.4	20.57
		405.0	100.3	26.31	96.8	25.36	93.4	24.76	91.2	23.75	87.6	23.07	83.4	20.64
	10	108.0	98.2	22.86	95.7	22.08	93.1	21.60	91.0	20.88	87.5	20.19	83.3	18.15
		135.0	98.5	22.90	96.0	22.14	93.3	21.66	91.2	20.90	87.6	20.17	83.4	18.17
		270.0	100.0	23.07	97.0	22.40	93.9	21.92	91.7	21.02	88.2	20.12	83.8	18.26
		337.5	100.6	23.07	97.4	22.40	94.2	21.86	91.9	20.96	88.4	20.20	84.0	18.45
		405.0	100.9	23.07	97.6	22.40	94.4	21.83	92.0	20.93	88.4	20.24	84.1	18.55

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	108.0	98.5	20.23	95.9	19.66	93.1	19.33	90.9	18.86	87.3	18.11	83.2	16.41
		135.0	98.9	20.20	96.2	19.66	93.4	19.33	91.2	18.79	87.6	17.97	83.4	16.34
		270.0	100.5	20.09	97.6	19.66	94.4	19.33	92.2	18.51	88.8	17.44	84.2	16.06
		337.5	101.1	19.95	98.1	19.50	94.9	19.07	92.5	18.26	89.0	17.44	84.7	16.34
		405.0	101.4	19.88	98.4	19.41	95.2	18.94	92.7	18.13	89.1	17.44	84.9	16.48
	20	108.0	100.3	17.46	97.5	17.04	94.4	16.62	91.9	16.34	88.5	15.88	83.8	14.85
		135.0	100.8	17.50	97.9	17.04	94.7	16.62	92.2	16.34	88.8	15.80	84.2	14.82
		270.0	103.0	17.64	99.2	17.04	95.7	16.62	93.6	16.34	89.8	15.52	85.5	14.71
		337.5	103.5	17.64	100.0	17.04	96.3	16.62	93.9	16.06	90.3	15.52	85.7	14.71
		405.0	103.8	17.64	100.4	17.04	96.6	16.62	94.0	15.92	90.6	15.52	85.9	14.71
	25	108.0	103.4	15.89	100.3	15.31	96.3	15.06	94.2	14.49	90.9	13.96	86.1	12.79
		135.0	103.6	15.86	100.3	15.24	96.3	14.99	94.2	14.42	90.9	13.89	86.1	12.79
		270.0	104.4	15.75	100.3	14.99	96.3	14.71	94.2	14.17	90.9	13.61	86.1	12.79
		337.5	104.9	15.75	100.3	15.04	96.3	14.42	94.2	14.17	90.9	13.35	86.1	12.54
		405.0	105.2	15.75	100.3	15.07	96.3	14.28	94.2	14.17	90.9	13.23	86.1	12.41
	30	108.0	104.9	14.49	100.3	13.96	96.3	13.42	94.2	13.14	90.9	12.33	86.1	11.51
		135.0	104.9	14.42	100.3	13.89	96.3	13.35	94.2	13.07	90.9	12.26	86.1	11.44
		270.0	104.9	14.17	100.3	13.61	96.3	13.07	94.2	12.79	90.9	11.97	86.1	11.16
		337.5	104.9	14.06	100.3	13.35	96.3	12.79	94.2	12.54	90.9	11.97	86.1	11.16
		405.0	104.9	14.00	100.3	13.23	96.3	12.65	94.2	12.41	90.9	11.97	86.1	11.16
	35	108.0	104.9	13.74	100.3	12.85	96.3	12.33	94.2	11.79	90.9	11.22	86.1	10.40
		135.0	104.9	13.61	100.3	12.79	96.3	12.26	94.2	11.72	90.9	11.16	86.1	10.34
		270.0	104.9	13.07	100.3	12.54	96.3	11.97	94.2	11.44	90.9	10.90	86.1	10.09
		337.5	104.9	12.73	100.3	12.26	96.3	11.72	94.2	11.44	90.9	10.90	86.1	10.09
		405.0	104.9	12.56	100.3	12.11	96.3	11.59	94.2	11.44	90.9	10.90	86.1	10.09
	40	108.0	104.9	12.93	100.3	12.39	96.3	11.57	94.2	10.97	90.9	10.40	86.1	9.59
		135.0	104.9	12.79	100.3	12.26	96.3	11.44	94.2	10.90	90.9	10.34	86.1	9.52
		270.0	104.9	12.26	100.3	11.72	96.3	10.90	94.2	10.62	90.9	10.09	86.1	9.27
		337.5	104.9	12.09	100.3	11.44	96.3	10.90	94.2	10.34	90.9	9.80	86.1	8.99
		405.0	104.9	12.00	100.3	11.30	96.3	10.90	94.2	10.20	90.9	9.66	86.1	8.85
	45	108.0	104.9	12.11	100.3	11.93	96.3	10.83	94.2	10.16	90.9	9.59	86.1	8.77
		135.0	104.9	11.97	100.3	11.72	96.3	10.62	94.2	10.09	90.9	9.52	86.1	8.71
		270.0	104.9	11.44	100.3	10.90	96.3	9.80	94.2	9.80	90.9	9.27	86.1	8.45
		337.5	104.9	11.44	100.3	10.62	96.3	10.09	94.2	9.27	90.9	8.71	86.1	7.89
		405.0	104.9	11.44	100.3	10.48	96.3	10.23	94.2	9.00	90.9	8.42	86.1	7.60
100	-5	108.0	35.5	17.34	35.2	16.34	35.1	15.00	34.8	14.36	34.4	13.72	33.8	12.48
		135.0	36.7	17.64	36.4	16.65	36.3	15.33	35.9	14.68	35.6	14.03	35.0	12.76
		270.0	41.5	18.82	41.3	17.89	41.0	16.62	40.6	15.92	40.3	15.24	39.6	13.86
		337.5	45.9	20.03	45.5	19.13	45.3	17.92	44.9	17.19	44.6	16.42	43.7	14.93
		405.0	48.1	20.64	47.7	19.75	47.4	18.57	47.0	17.82	46.7	17.02	45.8	15.47
	0	108.0	63.4	23.72	62.0	23.02	60.7	21.97	59.6	21.04	58.6	20.14	56.5	18.28
		135.0	63.8	23.78	62.4	23.07	61.0	22.03	60.0	21.10	58.9	20.20	56.9	18.34
		270.0	65.2	24.00	63.8	23.30	62.4	22.28	61.4	21.35	60.3	20.43	58.2	18.57
		337.5	66.2	24.00	64.8	23.30	63.4	22.28	62.3	21.35	61.2	20.43	59.1	18.57
		405.0	66.7	24.00	65.3	23.30	63.9	22.28	62.7	21.35	61.7	20.43	59.5	18.57
	5	108.0	93.5	25.49	90.4	24.88	88.1	23.91	86.3	22.90	82.2	21.92	78.4	19.93
		135.0	93.9	25.61	90.6	24.99	88.1	24.03	86.3	23.02	82.2	22.03	78.4	20.03
		270.0	95.2	26.06	91.2	25.44	88.2	24.51	86.3	23.50	82.2	22.48	78.4	20.43
		337.5	95.7	26.23	91.5	25.61	88.2	24.68	86.3	23.66	82.2	22.62	78.4	20.57
		405.0	96.0	26.31	91.6	25.69	88.2	24.76	86.3	23.75	82.2	22.69	78.4	20.64
	10	108.0	94.0	22.80	90.7	22.30	88.2	21.60	86.3	20.88	82.2	19.84	78.4	18.15
		135.0	94.3	22.90	90.8	22.37	88.2	21.66	86.3	20.90	82.2	19.86	78.4	18.17
		270.0	95.2	23.33	91.3	22.65	88.2	21.92	86.3	21.02	82.2	19.95	78.4	18.26
		337.5	95.8	23.24	91.7	22.65	88.2	21.86	86.3	20.96	82.2	19.89	78.4	18.17
		405.0	96.2	23.20	91.9	22.65	88.2	21.83	86.3	20.93	82.2	19.86	78.4	18.13
	15	108.0	94.6	20.10	91.1	19.76	88.2	19.33	86.3	18.86	82.2	17.76	78.4	16.41
		135.0	94.7	20.20	91.2	19.78	88.2	19.33	86.3	18.79	82.2	17.69	78.4	16.34
		270.0	95.2	20.59	91.4	19.83	88.2	19.33	86.3	18.51	82.2	17.44	78.4	16.06
		337.5	96.0	20.26	91.9	19.66	88.2	19.07	86.3	18.26	82.2	17.16	78.4	15.80
		405.0	96.4	20.09	92.1	19.58	88.2	18.94	86.3	18.13	82.2	17.02	78.4	15.68
	20	108.0	95.1	17.19	91.6	16.75	88.2	16.34	86.3	16.12	82.2	15.06	78.4	14.31
		135.0	95.4	17.27	91.6	16.76	88.2	16.34	86.3	16.06	82.2	14.99	78.4	14.17
		270.0	96.8	17.58	91.9	16.82	88.2	16.34	86.3	15.80	82.2	14.71	78.4	13.61
		337.5	97.4	17.27	92.7	16.68	88.2	16.06	86.3	15.52	82.2	14.42	78.4	13.35
		405.0	97.7	17.11	93.1	16.61	88.2	15.92	86.3	15.38	82.2	14.28	78.4	13.23

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	108.0	96.2	15.03	93.0	14.56	88.2	13.96	86.3	13.42	82.2	12.61	78.4	11.44
		135.0	96.6	15.04	93.0	14.48	88.2	13.89	86.3	13.35	82.2	12.54	78.4	11.44
		270.0	98.0	15.10	93.0	14.17	88.2	13.61	86.3	13.07	82.2	12.26	78.4	11.44
		337.5	98.5	14.76	93.0	14.06	88.2	13.35	86.3	12.79	82.2	12.26	78.4	11.16
		405.0	98.7	14.59	93.0	14.00	88.2	13.23	86.3	12.65	82.2	12.26	78.4	11.01
	30	108.0	98.5	13.67	93.0	12.61	88.2	11.75	86.3	11.51	82.2	10.62	78.4	10.16
		135.0	98.5	13.61	93.0	12.54	88.2	11.72	86.3	11.44	82.2	10.62	78.4	10.09
		270.0	98.5	13.35	93.0	12.26	88.2	11.61	86.3	11.16	82.2	10.62	78.4	9.80
		337.5	98.5	13.07	93.0	12.26	88.2	11.44	86.3	11.16	82.2	10.34	78.4	9.80
		405.0	98.5	12.93	93.0	12.26	88.2	11.35	86.3	11.16	82.2	10.20	78.4	9.80
	35	108.0	98.5	12.68	93.0	11.57	88.2	10.37	86.3	10.16	82.2	9.59	78.4	8.77
		135.0	98.5	12.54	93.0	11.44	88.2	10.34	86.3	10.09	82.2	9.52	78.4	8.71
		270.0	98.5	11.97	93.0	10.90	88.2	10.23	86.3	9.80	82.2	9.27	78.4	8.45
		337.5	98.5	11.97	93.0	10.90	88.2	10.09	86.3	9.80	82.2	9.27	78.4	8.45
		405.0	98.5	11.97	93.0	10.90	88.2	10.01	86.3	9.80	82.2	9.27	78.4	8.45
	40	108.0	98.5	11.86	93.0	10.76	88.2	9.30	86.3	9.06	82.2	8.52	78.4	7.95
		135.0	98.5	11.72	93.0	10.62	88.2	9.27	86.3	8.99	82.2	8.45	78.4	7.89
		270.0	98.5	11.16	93.0	10.09	88.2	9.16	86.3	8.71	82.2	8.17	78.4	7.63
		337.5	98.5	10.90	93.0	10.09	88.2	8.99	86.3	8.71	82.2	8.17	78.4	7.63
		405.0	98.5	10.77	93.0	10.09	88.2	8.90	86.3	8.71	82.2	8.17	78.4	7.63
	45	108.0	98.5	11.05	93.0	9.94	88.2	8.20	86.3	7.95	82.2	7.42	78.4	7.14
		135.0	98.5	10.90	93.0	9.80	88.2	8.17	86.3	7.89	82.2	7.35	78.4	7.07
		270.0	98.5	10.34	93.0	9.27	88.2	8.06	86.3	7.63	82.2	7.07	78.4	6.82
		337.5	98.5	9.80	93.0	9.27	88.2	7.89	86.3	7.63	82.2	7.07	78.4	6.82
		405.0	98.5	9.53	93.0	9.27	88.2	7.80	86.3	7.63	82.2	7.07	78.4	6.82
90	-5	108.0	33.5	16.09	32.4	14.65	31.5	12.87	31.2	12.27	31.0	11.82	30.5	10.61
		135.0	34.6	16.37	33.6	14.93	32.6	13.16	32.3	12.54	32.1	12.09	31.5	10.85
		270.0	39.2	17.47	38.0	16.03	36.8	14.28	36.6	13.61	36.3	13.13	35.6	11.78
		337.5	43.3	18.57	41.9	17.16	40.7	15.41	40.4	14.68	40.1	14.14	39.4	12.71
		405.0	45.4	19.12	43.9	17.72	42.6	15.98	42.3	15.22	42.0	14.65	41.3	13.17
	0	108.0	59.9	21.92	57.1	20.57	54.5	18.88	53.7	18.01	52.8	17.33	50.8	15.56
		135.0	60.2	21.97	57.4	20.62	54.8	18.93	54.0	18.06	53.1	17.38	51.1	15.61
		270.0	61.6	22.20	58.7	20.85	56.1	19.13	55.2	18.26	54.3	17.58	52.3	15.78
		337.5	62.5	22.20	59.6	20.85	57.0	19.13	56.0	18.26	55.2	17.58	53.2	15.78
		405.0	63.0	22.20	60.1	20.85	57.5	19.13	56.5	18.26	55.7	17.58	53.6	15.78
	5	108.0	84.6	23.53	81.9	22.21	79.3	20.55	77.6	19.59	74.2	18.86	70.6	16.93
		135.0	84.7	23.64	81.8	22.31	79.3	20.65	77.6	19.69	74.2	18.96	70.6	17.02
		270.0	85.0	24.06	81.6	22.74	79.3	21.04	77.6	20.09	74.2	19.35	70.6	17.35
		337.5	85.5	24.20	81.8	22.88	79.3	21.21	77.6	20.23	74.2	19.50	70.6	17.50
		405.0	85.7	24.27	81.9	22.95	79.3	21.30	77.6	20.30	74.2	19.57	70.6	17.57
	10	108.0	85.0	20.78	82.2	19.76	79.3	18.60	77.6	17.84	74.2	17.11	70.6	15.42
		135.0	85.0	20.79	82.0	19.78	79.3	18.62	77.6	17.86	74.2	17.10	70.6	15.44
		270.0	84.8	20.85	81.6	19.86	79.3	18.71	77.6	17.95	74.2	17.04	70.6	15.49
		337.5	85.4	20.79	81.9	19.81	79.3	18.65	77.6	17.89	74.2	17.10	70.6	15.55
		405.0	85.7	20.76	82.0	19.78	79.3	18.62	77.6	17.86	74.2	17.13	70.6	15.58
	15	108.0	85.5	17.99	82.4	17.34	79.3	16.69	77.6	16.12	74.2	15.38	70.6	13.96
		135.0	85.3	17.92	82.3	17.27	79.3	16.62	77.6	16.06	74.2	15.24	70.6	13.89
		270.0	84.8	17.64	81.7	16.99	79.3	16.34	77.6	15.80	74.2	14.71	70.6	13.61
		337.5	85.3	17.38	82.0	16.73	79.3	16.06	77.6	15.52	74.2	14.71	70.6	13.61
		405.0	85.6	17.25	82.1	16.61	79.3	15.92	77.6	15.38	74.2	14.71	70.6	13.61
	20	108.0	86.0	15.18	82.8	14.75	79.3	14.24	77.6	13.67	74.2	13.21	70.6	12.39
		135.0	85.9	15.18	82.6	14.71	79.3	14.17	77.6	13.61	74.2	13.07	70.6	12.26
		270.0	85.6	15.18	82.0	14.54	79.3	13.89	77.6	13.35	74.2	12.54	70.6	11.72
		337.5	85.8	14.93	82.2	14.42	79.3	13.89	77.6	13.35	74.2	12.54	70.6	11.72
		405.0	85.9	14.80	82.3	14.37	79.3	13.89	77.6	13.35	74.2	12.54	70.6	11.72
	25	108.0	87.4	13.27	83.9	12.57	79.3	12.04	77.6	11.44	74.2	10.97	70.6	10.16
		135.0	87.6	13.24	83.9	12.54	79.3	11.97	77.6	11.44	74.2	10.90	70.6	10.09
		270.0	88.4	13.13	83.9	12.42	79.3	11.72	77.6	11.44	74.2	10.62	70.6	9.80
		337.5	88.8	12.79	83.9	12.14	79.3	11.72	77.6	11.16	74.2	10.62	70.6	9.80
		405.0	88.9	12.62	83.9	12.00	79.3	11.72	77.6	11.01	74.2	10.62	70.6	9.80
	30	108.0	88.8	12.04	83.9	11.22	79.3	10.40	77.6	10.16	74.2	9.59	70.6	8.71
		135.0	88.8	11.97	83.9	11.16	79.3	10.34	77.6	10.09	74.2	9.52	70.6	8.71
		270.0	88.8	11.72	83.9	10.90	79.3	10.09	77.6	9.80	74.2	9.27	70.6	8.71
		337.5	88.8	11.44	83.9	10.62	79.3	10.09	77.6	9.80	74.2	9.27	70.6	8.45
		405.0	88.8	11.30	83.9	10.48	79.3	10.09	77.6	9.80	74.2	9.27	70.6	8.32

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	108.0	88.8	10.97	83.9	10.16	79.3	9.34	77.6	9.06	74.2	8.52	70.6	7.95
		135.0	88.8	10.90	83.9	10.09	79.3	9.27	77.6	8.99	74.2	8.45	70.6	7.89
		270.0	88.8	10.62	83.9	9.80	79.3	8.99	77.6	8.71	74.2	8.17	70.6	7.63
		337.5	88.8	10.34	83.9	9.52	79.3	8.71	77.6	8.45	74.2	8.17	70.6	7.63
		405.0	88.8	10.20	83.9	9.38	79.3	8.56	77.6	8.32	74.2	8.17	70.6	7.63
	40	108.0	88.8	10.23	83.9	9.34	79.3	8.24	77.6	7.95	74.2	7.71	70.6	7.14
		135.0	88.8	10.09	83.9	9.27	79.3	8.17	77.6	7.89	74.2	7.63	70.6	7.07
		270.0	88.8	9.52	83.9	8.99	79.3	7.89	77.6	7.63	74.2	7.35	70.6	6.82
		337.5	88.8	9.52	83.9	8.99	79.3	7.89	77.6	7.63	74.2	7.35	70.6	6.82
		405.0	88.8	9.52	83.9	8.99	79.3	7.89	77.6	7.63	74.2	7.35	70.6	6.82
	45	108.0	88.8	9.48	83.9	8.52	79.3	7.14	77.6	6.89	74.2	6.89	70.6	6.32
		135.0	88.8	9.27	83.9	8.45	79.3	7.07	77.6	6.82	74.2	6.82	70.6	6.25
		270.0	88.8	8.45	83.9	8.17	79.3	6.82	77.6	6.54	74.2	6.54	70.6	6.00
		337.5	88.8	8.71	83.9	8.45	79.3	7.07	77.6	6.82	74.2	6.54	70.6	6.00
		405.0	88.8	8.83	83.9	8.59	79.3	7.20	77.6	6.96	74.2	6.54	70.6	6.00
80	-5	108.0	31.7	11.46	29.7	11.03	28.1	10.56	27.8	10.20	27.6	9.73	27.0	8.96
		135.0	32.7	11.72	30.7	11.27	29.0	10.79	28.7	10.42	28.6	9.94	28.0	9.16
		270.0	37.0	12.73	34.7	12.23	32.8	11.69	32.5	11.30	32.3	10.79	31.7	9.92
		337.5	40.9	13.72	38.3	13.18	36.3	12.62	35.9	12.20	35.7	11.64	35.0	10.71
		405.0	42.9	14.22	40.1	13.67	38.0	13.09	37.5	12.65	37.4	12.06	36.6	11.10
	0	108.0	56.5	16.83	52.1	16.15	48.5	15.48	47.6	14.95	47.0	14.24	45.2	13.12
		135.0	56.9	16.88	52.4	16.20	48.8	15.52	47.9	14.99	47.3	14.28	45.5	13.16
		270.0	58.3	17.07	53.7	16.40	50.0	15.69	49.1	15.16	48.4	14.45	46.5	13.30
		337.5	59.1	17.07	54.5	16.40	50.8	15.69	49.8	15.16	49.1	14.45	47.3	13.30
		405.0	59.5	17.07	54.9	16.40	51.2	15.69	50.2	15.16	49.5	14.45	47.6	13.30
	5	108.0	78.2	18.30	73.8	17.61	70.5	16.81	69.0	16.25	66.0	15.50	62.8	14.26
		135.0	78.4	18.40	73.9	17.69	70.6	16.90	69.0	16.34	66.0	15.58	62.8	14.34
		270.0	79.0	18.79	74.5	18.03	70.6	17.27	69.0	16.68	66.0	15.89	62.8	14.65
		337.5	79.0	18.90	74.4	18.17	70.6	17.38	69.0	16.79	66.0	16.00	62.8	14.73
		405.0	79.0	18.96	74.4	18.24	70.6	17.44	69.0	16.85	66.0	16.06	62.8	14.78
	10	108.0	78.6	16.84	74.1	16.08	70.5	15.26	69.0	14.84	66.0	14.05	62.8	13.01
		135.0	78.7	16.82	74.2	16.06	70.6	15.27	69.0	14.85	66.0	14.06	62.8	13.02
		270.0	79.0	16.73	74.5	15.97	70.6	15.30	69.0	14.88	66.0	14.09	62.8	13.04
		337.5	79.0	16.68	74.4	16.03	70.6	15.35	69.0	14.79	66.0	14.00	62.8	12.96
		405.0	79.0	16.65	74.4	16.06	70.6	15.38	69.0	14.75	66.0	13.96	62.8	12.92
	15	108.0	79.0	15.38	74.4	14.56	70.6	13.67	69.0	13.42	66.0	12.61	62.8	11.79
		135.0	79.0	15.24	74.4	14.42	70.6	13.61	69.0	13.35	66.0	12.54	62.8	11.72
		270.0	79.0	14.71	74.4	13.89	70.6	13.35	69.0	13.07	66.0	12.26	62.8	11.44
		337.5	79.0	14.42	74.4	13.89	70.6	13.35	69.0	12.79	66.0	11.97	62.8	11.16
		405.0	79.0	14.28	74.4	13.89	70.6	13.35	69.0	12.65	66.0	11.83	62.8	11.01
	20	108.0	79.0	12.85	74.4	12.33	70.6	11.72	69.0	11.51	66.0	10.97	62.8	10.16
		135.0	79.0	12.79	74.4	12.26	70.6	11.72	69.0	11.44	66.0	10.90	62.8	10.09
		270.0	79.0	12.54	74.4	11.97	70.6	11.72	69.0	11.16	66.0	10.62	62.8	9.80
		337.5	79.0	12.26	74.4	11.72	70.6	11.44	69.0	11.16	66.0	10.34	62.8	9.80
		405.0	79.0	12.11	74.4	11.59	70.6	11.30	69.0	11.16	66.0	10.20	62.8	9.80
	25	108.0	79.0	11.51	74.4	10.69	70.6	10.09	69.0	9.88	66.0	9.34	62.8	8.77
		135.0	79.0	11.44	74.4	10.62	70.6	10.09	69.0	9.80	66.0	9.27	62.8	8.71
		270.0	79.0	11.16	74.4	10.34	70.6	10.09	69.0	9.52	66.0	8.99	62.8	8.45
		337.5	79.0	10.90	74.4	10.34	70.6	9.80	69.0	9.52	66.0	8.99	62.8	8.45
		405.0	79.0	10.77	74.4	10.34	70.6	9.66	69.0	9.52	66.0	8.99	62.8	8.45
	30	108.0	79.0	10.16	74.4	9.59	70.6	9.06	69.0	8.77	66.0	8.24	62.8	7.71
		135.0	79.0	10.09	74.4	9.52	70.6	8.99	69.0	8.71	66.0	8.17	62.8	7.63
		270.0	79.0	9.80	74.4	9.27	70.6	8.71	69.0	8.45	66.0	7.89	62.8	7.35
		337.5	79.0	9.80	74.4	9.27	70.6	8.71	69.0	8.45	66.0	7.89	62.8	7.35
		405.0	79.0	9.80	74.4	9.27	70.6	8.71	69.0	8.45	66.0	7.89	62.8	7.35
	35	108.0	79.0	9.34	74.4	8.77	70.6	7.95	69.0	7.63	66.0	7.42	62.8	6.82
		135.0	79.0	9.27	74.4	8.71	70.6	7.89	69.0	7.63	66.0	7.35	62.8	6.82
		270.0	79.0	8.99	74.4	8.45	70.6	7.63	69.0	7.63	66.0	7.07	62.8	6.82
		337.5	79.0	8.99	74.4	8.17	70.6	7.63	69.0	7.35	66.0	7.07	62.8	6.54
		405.0	79.0	8.99	74.4	8.03	70.6	7.63	69.0	7.21	66.0	7.07	62.8	6.39
	40	108.0	79.0	8.84	74.4	7.95	70.6	7.07	69.0	7.14	66.0	6.54	62.8	6.32
		135.0	79.0	8.71	74.4	7.89	70.6	7.07	69.0	7.07	66.0	6.54	62.8	6.25
		270.0	79.0	8.17	74.4	7.63	70.6	7.07	69.0	6.82	66.0	6.54	62.8	6.00
		337.5	79.0	8.17	74.4	7.63	70.6	6.82	69.0	6.82	66.0	6.54	62.8	6.00
		405.0	79.0	8.17	74.4	7.63	70.6	6.69	69.0	6.82	66.0	6.54	62.8	6.00

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	108.0	79.0	8.38	74.4	7.14	70.6	6.18	69.0	6.67	66.0	5.65	62.8	5.85
		135.0	79.0	8.17	74.4	7.07	70.6	6.25	69.0	6.54	66.0	5.72	62.8	5.72
		270.0	79.0	7.35	74.4	6.82	70.6	6.54	69.0	6.00	66.0	6.00	62.8	5.18
		337.5	79.0	7.35	74.4	7.07	70.6	6.00	69.0	6.25	66.0	6.00	62.8	5.44
		405.0	79.0	7.35	74.4	7.20	70.6	5.73	69.0	6.38	66.0	6.00	62.8	5.57
70	-5	108.0	27.6	9.84	25.9	9.37	24.5	9.07	24.3	8.55	24.1	8.25	23.7	7.50
		135.0	28.6	10.06	26.8	9.58	25.4	9.27	25.1	8.73	24.9	8.42	24.5	7.66
		270.0	32.3	10.90	30.4	10.40	28.6	10.06	28.4	9.47	28.2	9.13	27.7	8.31
		337.5	35.8	11.78	33.6	11.21	31.7	10.85	31.4	10.20	31.2	9.86	30.6	8.96
		405.0	37.5	12.22	35.2	11.62	33.2	11.24	33.0	10.57	32.7	10.23	32.1	9.29
	0	108.0	49.4	14.41	45.7	13.74	42.4	13.28	41.7	12.50	41.0	12.08	39.6	10.99
		135.0	49.7	14.45	45.9	13.78	42.7	13.33	41.9	12.54	41.3	12.11	39.8	11.02
		270.0	50.9	14.62	47.0	13.92	43.6	13.49	42.9	12.68	42.3	12.26	40.7	11.13
		337.5	51.6	14.62	47.8	13.92	44.3	13.49	43.6	12.68	42.9	12.26	41.4	11.13
		405.0	52.0	14.62	48.1	13.92	44.6	13.49	43.9	12.68	43.2	12.26	41.7	11.13
	5	108.0	68.3	15.70	64.7	14.94	61.6	14.46	60.3	13.63	57.6	13.14	54.9	11.94
		135.0	68.4	15.78	64.8	15.02	61.6	14.54	60.3	13.69	57.6	13.21	54.9	12.00
		270.0	69.0	16.09	65.3	15.33	61.7	14.85	60.3	13.95	57.6	13.49	54.9	12.26
		337.5	69.0	16.20	65.2	15.44	61.7	14.96	60.3	14.06	57.6	13.58	54.9	12.34
		405.0	69.0	16.26	65.2	15.50	61.7	15.02	60.3	14.11	57.6	13.62	54.9	12.38
	10	108.0	68.6	14.45	64.9	13.66	61.7	13.16	60.3	12.42	57.6	11.92	54.9	10.90
		135.0	68.7	14.42	65.0	13.64	61.7	13.13	60.3	12.42	57.6	11.92	54.9	10.90
		270.0	69.0	14.31	65.2	13.52	61.7	13.02	60.3	12.42	57.6	11.92	54.9	10.90
		337.5	69.0	14.37	65.2	13.58	61.7	13.07	60.3	12.48	57.6	11.83	54.9	10.93
		405.0	69.0	14.40	65.2	13.61	61.7	13.10	60.3	12.51	57.6	11.79	54.9	10.95
	15	108.0	69.0	13.21	65.2	12.39	61.7	11.86	60.3	11.22	57.6	10.69	54.9	9.88
		135.0	69.0	13.07	65.2	12.26	61.7	11.72	60.3	11.16	57.6	10.62	54.9	9.80
		270.0	69.0	12.54	65.2	11.72	61.7	11.16	60.3	10.90	57.6	10.34	54.9	9.52
		337.5	69.0	12.54	65.2	11.72	61.7	11.16	60.3	10.90	57.6	10.09	54.9	9.52
		405.0	69.0	12.54	65.2	11.72	61.7	11.16	60.3	10.90	57.6	9.96	54.9	9.52
	20	108.0	69.0	10.97	65.2	10.40	61.7	10.16	60.3	9.88	57.6	9.34	54.9	8.77
		135.0	69.0	10.90	65.2	10.34	61.7	10.09	60.3	9.80	57.6	9.27	54.9	8.71
		270.0	69.0	10.62	65.2	10.09	61.7	9.80	60.3	9.52	57.6	8.99	54.9	8.45
		337.5	69.0	10.62	65.2	10.09	61.7	9.80	60.3	9.27	57.6	8.99	54.9	8.17
		405.0	69.0	10.62	65.2	10.09	61.7	9.80	60.3	9.14	57.6	8.99	54.9	8.03
	25	108.0	69.0	9.88	65.2	9.34	61.7	8.77	60.3	8.52	57.6	7.89	54.9	7.35
		135.0	69.0	9.80	65.2	9.27	61.7	8.71	60.3	8.45	57.6	7.89	54.9	7.35
		270.0	69.0	9.52	65.2	8.99	61.7	8.45	60.3	8.17	57.6	7.89	54.9	7.35
		337.5	69.0	9.27	65.2	8.71	61.7	8.45	60.3	8.17	57.6	7.63	54.9	7.35
		405.0	69.0	9.14	65.2	8.56	61.7	8.45	60.3	8.17	57.6	7.51	54.9	7.35
	30	108.0	69.0	8.77	65.2	8.24	61.7	7.71	60.3	7.35	57.6	7.14	54.9	6.54
		135.0	69.0	8.71	65.2	8.17	61.7	7.63	60.3	7.35	57.6	7.07	54.9	6.54
		270.0	69.0	8.45	65.2	7.89	61.7	7.35	60.3	7.35	57.6	6.82	54.9	6.54
		337.5	69.0	8.45	65.2	7.89	61.7	7.35	60.3	7.07	57.6	6.82	54.9	6.54
		405.0	69.0	8.45	65.2	7.89	61.7	7.35	60.3	6.93	57.6	6.82	54.9	6.54
	35	108.0	69.0	7.95	65.2	7.42	61.7	6.82	60.3	6.89	57.6	6.25	54.9	6.07
		135.0	69.0	7.89	65.2	7.35	61.7	6.82	60.3	6.82	57.6	6.25	54.9	6.00
		270.0	69.0	7.63	65.2	7.07	61.7	6.82	60.3	6.54	57.6	6.25	54.9	5.72
		337.5	69.0	7.63	65.2	7.07	61.7	6.54	60.3	6.54	57.6	6.25	54.9	5.72
		405.0	69.0	7.63	65.2	7.07	61.7	6.39	60.3	6.54	57.6	6.25	54.9	5.72
	40	108.0	69.0	7.42	65.2	6.89	61.7	6.32	60.3	6.00	57.6	5.72	54.9	5.50
		135.0	69.0	7.35	65.2	6.82	61.7	6.25	60.3	6.00	57.6	5.72	54.9	5.44
		270.0	69.0	7.07	65.2	6.54	61.7	6.00	60.3	6.00	57.6	5.72	54.9	5.18
		337.5	69.0	7.07	65.2	6.54	61.7	6.00	60.3	5.72	57.6	5.44	54.9	5.18
		405.0	69.0	7.07	65.2	6.54	61.7	6.00	60.3	5.58	57.6	5.30	54.9	5.18
	45	108.0	69.0	6.89	65.2	6.32	61.7	5.85	60.3	5.12	57.6	5.18	54.9	4.97
		135.0	69.0	6.82	65.2	6.25	61.7	5.72	60.3	5.18	57.6	5.18	54.9	4.90
		270.0	69.0	6.54	65.2	6.00	61.7	5.18	60.3	5.44	57.6	5.18	54.9	4.62
		337.5	69.0	6.54	65.2	6.00	61.7	5.44	60.3	4.90	57.6	4.62	54.9	4.62
		405.0	69.0	6.54	65.2	6.00	61.7	5.57	60.3	4.63	57.6	4.34	54.9	4.62
60	-5	108.0	23.7	7.99	22.2	7.69	21.0	7.39	20.8	6.87	20.7	6.75	20.3	6.03
		135.0	24.5	8.17	23.0	7.86	21.7	7.55	21.5	7.01	21.4	6.90	21.0	6.17
		270.0	27.8	8.87	26.0	8.54	24.6	8.20	24.4	7.61	24.3	7.49	23.8	6.71
		337.5	30.7	9.55	28.7	9.21	27.2	8.85	26.9	8.23	26.8	8.09	26.3	7.21
		405.0	32.1	9.89	30.1	9.55	28.6	9.17	28.2	8.54	28.1	8.38	27.5	7.47

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	108.0	42.4	11.71	39.1	11.30	36.4	10.81	35.7	10.06	35.2	9.92	33.9	8.85
		135.0	42.7	11.75	39.3	11.33	36.7	10.85	35.9	10.09	35.4	9.94	34.1	8.87
		270.0	43.6	11.89	40.2	11.44	37.6	10.99	36.8	10.20	36.3	10.06	34.9	8.96
		337.5	44.3	11.89	40.9	11.44	38.2	10.99	37.3	10.20	36.8	10.06	35.4	8.96
		405.0	44.6	11.89	41.2	11.44	38.4	10.99	37.6	10.20	37.1	10.06	35.7	8.96
	5	108.0	58.6	12.75	55.3	12.28	53.0	11.77	51.7	10.96	49.5	10.79	47.1	9.61
		135.0	58.7	12.82	55.4	12.34	53.0	11.83	51.7	11.02	49.5	10.85	47.1	9.66
		270.0	59.2	13.07	55.8	12.59	53.0	12.09	51.7	11.24	49.5	11.07	47.1	9.86
		337.5	59.2	13.18	55.7	12.68	53.0	12.17	51.7	11.33	49.5	11.13	47.1	9.94
		405.0	59.2	13.24	55.7	12.72	53.0	12.21	51.7	11.37	49.5	11.16	47.1	9.99
	10	108.0	58.9	11.72	55.5	11.21	53.0	10.68	51.7	9.97	49.5	9.78	47.1	8.77
		135.0	59.0	11.72	55.5	11.21	53.0	10.68	51.7	10.00	49.5	9.78	47.1	8.79
		270.0	59.2	11.72	55.8	11.21	53.0	10.68	51.7	10.11	49.5	9.75	47.1	8.87
		337.5	59.2	11.75	55.7	11.10	53.0	10.56	51.7	10.00	49.5	9.66	47.1	8.79
		405.0	59.2	11.76	55.7	11.04	53.0	10.51	51.7	9.94	49.5	9.62	47.1	8.75
	15	108.0	59.2	10.69	55.7	10.16	53.0	9.59	51.7	8.99	49.5	8.77	47.1	7.89
		135.0	59.2	10.62	55.7	10.09	53.0	9.52	51.7	8.99	49.5	8.71	47.1	7.89
		270.0	59.2	10.34	55.7	9.80	53.0	9.27	51.7	8.99	49.5	8.45	47.1	7.89
		337.5	59.2	10.34	55.7	9.52	53.0	8.99	51.7	8.71	49.5	8.17	47.1	7.63
		405.0	59.2	10.34	55.7	9.38	53.0	8.85	51.7	8.56	49.5	8.03	47.1	7.51
	20	108.0	59.2	9.34	55.7	8.77	53.0	8.24	51.7	7.95	49.5	7.71	47.1	7.14
		135.0	59.2	9.27	55.7	8.71	53.0	8.17	51.7	7.89	49.5	7.63	47.1	7.07
		270.0	59.2	8.99	55.7	8.45	53.0	7.89	51.7	7.63	49.5	7.35	47.1	6.82
		337.5	59.2	8.99	55.7	8.45	53.0	7.89	51.7	7.63	49.5	7.35	47.1	6.82
		405.0	59.2	8.99	55.7	8.45	53.0	7.89	51.7	7.63	49.5	7.35	47.1	6.82
	25	108.0	59.2	8.24	55.7	7.71	53.0	7.07	51.7	7.14	49.5	6.54	47.1	6.32
		135.0	59.2	8.17	55.7	7.63	53.0	7.07	51.7	7.07	49.5	6.54	47.1	6.25
		270.0	59.2	7.89	55.7	7.35	53.0	7.07	51.7	6.82	49.5	6.54	47.1	6.00
		337.5	59.2	7.89	55.7	7.35	53.0	6.82	51.7	6.82	49.5	6.54	47.1	6.00
		405.0	59.2	7.89	55.7	7.35	53.0	6.69	51.7	6.82	49.5	6.54	47.1	6.00
	30	108.0	59.2	7.42	55.7	6.89	53.0	6.61	51.7	6.32	49.5	6.07	47.1	5.79
		135.0	59.2	7.35	55.7	6.82	53.0	6.54	51.7	6.25	49.5	6.00	47.1	5.72
		270.0	59.2	7.07	55.7	6.54	53.0	6.25	51.7	6.00	49.5	5.72	47.1	5.44
		337.5	59.2	7.07	55.7	6.54	53.0	6.25	51.7	6.00	49.5	5.72	47.1	5.44
		405.0	59.2	7.07	55.7	6.54	53.0	6.25	51.7	6.00	49.5	5.72	47.1	5.44
	35	108.0	59.2	6.54	55.7	6.32	53.0	5.72	51.7	5.79	49.5	5.50	47.1	5.25
		135.0	59.2	6.54	55.7	6.25	53.0	5.72	51.7	5.72	49.5	5.44	47.1	5.18
		270.0	59.2	6.54	55.7	6.00	53.0	5.72	51.7	5.44	49.5	5.18	47.1	4.90
		337.5	59.2	6.54	55.7	6.00	53.0	5.44	51.7	5.44	49.5	5.18	47.1	4.90
		405.0	59.2	6.54	55.7	6.00	53.0	5.30	51.7	5.44	49.5	5.18	47.1	4.90
	40	108.0	59.2	6.00	55.7	5.79	53.0	5.18	51.7	5.25	49.5	4.97	47.1	4.62
		135.0	59.2	6.00	55.7	5.72	53.0	5.18	51.7	5.18	49.5	4.90	47.1	4.62
		270.0	59.2	6.00	55.7	5.44	53.0	5.18	51.7	4.90	49.5	4.62	47.1	4.62
		337.5	59.2	6.00	55.7	5.44	53.0	5.18	51.7	4.90	49.5	4.62	47.1	4.62
		405.0	59.2	6.00	55.7	5.44	53.0	5.18	51.7	4.90	49.5	4.62	47.1	4.62
	45	108.0	59.2	5.44	55.7	5.25	53.0	4.62	51.7	4.68	49.5	4.44	47.1	4.01
		135.0	59.2	5.44	55.7	5.18	53.0	4.62	51.7	4.62	49.5	4.37	47.1	4.09
		270.0	59.2	5.44	55.7	4.90	53.0	4.62	51.7	4.37	49.5	4.09	47.1	4.37
		337.5	59.2	5.44	55.7	4.90	53.0	4.90	51.7	4.37	49.5	4.09	47.1	4.37
		405.0	59.2	5.44	55.7	4.90	53.0	5.04	51.7	4.37	49.5	4.09	47.1	4.37
50	-5	108.0	19.8	6.37	18.6	6.03	17.5	5.71	17.3	5.40	17.2	5.07	16.9	4.80
		135.0	20.4	6.51	19.2	6.17	18.1	5.83	17.9	5.52	17.8	5.18	17.5	4.90
		270.0	23.1	7.04	21.7	6.71	20.5	6.31	20.3	6.00	20.2	5.63	19.8	5.30
		337.5	25.5	7.61	24.0	7.21	22.6	6.82	22.4	6.48	22.2	6.06	21.9	5.72
		405.0	26.8	7.89	25.1	7.47	23.7	7.07	23.5	6.72	23.3	6.27	23.0	5.93
	0	108.0	35.2	9.33	32.6	8.85	30.3	8.34	29.7	7.92	29.3	7.44	28.2	7.02
		135.0	35.4	9.35	32.8	8.87	30.5	8.37	29.9	7.94	29.5	7.47	28.4	7.04
		270.0	36.3	9.44	33.6	8.96	31.3	8.48	30.6	8.06	30.2	7.55	29.0	7.13
		337.5	36.8	9.44	34.0	8.96	31.7	8.48	31.1	8.06	30.6	7.55	29.5	7.13
		405.0	37.1	9.44	34.3	8.96	31.9	8.48	31.3	8.06	30.8	7.55	29.8	7.13
	5	108.0	48.7	10.15	46.2	9.61	44.0	9.08	43.0	8.63	41.1	8.11	39.2	7.62
		135.0	48.8	10.20	46.3	9.66	44.1	9.13	43.0	8.68	41.1	8.14	39.2	7.66
		270.0	49.2	10.40	46.6	9.86	44.1	9.33	43.0	8.85	41.1	8.28	39.2	7.83
		337.5	49.2	10.48	46.5	9.94	44.1	9.38	43.0	8.90	41.1	8.37	39.2	7.89
		405.0	49.2	10.52	46.5	9.99	44.1	9.41	43.0	8.93	41.1	8.41	39.2	7.92

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(28HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	108.0	49.0	9.34	46.3	8.80	44.0	8.27	43.0	7.90	41.1	7.30	39.2	6.97
		135.0	49.1	9.33	46.4	8.79	44.1	8.25	43.0	7.89	41.1	7.32	39.2	6.96
		270.0	49.2	9.27	46.6	8.76	44.1	8.20	43.0	7.83	41.1	7.41	39.2	6.90
		337.5	49.2	9.33	46.5	8.79	44.1	8.23	43.0	7.86	41.1	7.30	39.2	6.93
		405.0	49.2	9.35	46.5	8.80	44.1	8.24	43.0	7.87	41.1	7.24	39.2	6.94
	15	108.0	49.2	8.52	46.5	7.95	44.1	7.42	43.0	7.14	41.1	6.54	39.2	6.32
		135.0	49.2	8.45	46.5	7.89	44.1	7.35	43.0	7.07	41.1	6.54	39.2	6.25
		270.0	49.2	8.17	46.5	7.63	44.1	7.07	43.0	6.82	41.1	6.54	39.2	6.00
		337.5	49.2	8.17	46.5	7.63	44.1	7.07	43.0	6.82	41.1	6.25	39.2	6.00
		405.0	49.2	8.17	46.5	7.63	44.1	7.07	43.0	6.82	41.1	6.11	39.2	6.00
	20	108.0	49.2	7.42	46.5	6.89	44.1	6.61	43.0	6.32	41.1	6.07	39.2	5.44
		135.0	49.2	7.35	46.5	6.82	44.1	6.54	43.0	6.25	41.1	6.00	39.2	5.44
		270.0	49.2	7.07	46.5	6.54	44.1	6.25	43.0	6.00	41.1	5.72	39.2	5.44
		337.5	49.2	7.07	46.5	6.54	44.1	6.25	43.0	6.00	41.1	5.72	39.2	5.44
		405.0	49.2	7.07	46.5	6.54	44.1	6.25	43.0	6.00	41.1	5.72	39.2	5.44
	25	108.0	49.2	6.61	46.5	6.00	44.1	5.79	43.0	5.44	41.1	5.18	39.2	4.90
		135.0	49.2	6.54	46.5	6.00	44.1	5.72	43.0	5.44	41.1	5.18	39.2	4.90
		270.0	49.2	6.25	46.5	6.00	44.1	5.44	43.0	5.44	41.1	5.18	39.2	4.90
		337.5	49.2	6.25	46.5	6.00	44.1	5.44	43.0	5.44	41.1	5.18	39.2	4.90
		405.0	49.2	6.25	46.5	6.00	44.1	5.44	43.0	5.44	41.1	5.18	39.2	4.90
	30	108.0	49.2	6.07	46.5	5.50	44.1	5.25	43.0	4.90	41.1	4.97	39.2	4.68
		135.0	49.2	6.00	46.5	5.44	44.1	5.18	43.0	4.90	41.1	4.90	39.2	4.62
		270.0	49.2	5.72	46.5	5.18	44.1	4.90	43.0	4.90	41.1	4.62	39.2	4.37
		337.5	49.2	5.72	46.5	5.18	44.1	4.90	43.0	4.90	41.1	4.62	39.2	4.37
		405.0	49.2	5.72	46.5	5.18	44.1	4.90	43.0	4.90	41.1	4.62	39.2	4.37
	35	108.0	49.2	5.50	46.5	4.90	44.1	4.62	43.0	4.68	41.1	4.37	39.2	4.09
		135.0	49.2	5.44	46.5	4.90	44.1	4.62	43.0	4.62	41.1	4.37	39.2	4.09
		270.0	49.2	5.18	46.5	4.90	44.1	4.62	43.0	4.37	41.1	4.37	39.2	4.09
		337.5	49.2	5.18	46.5	4.90	44.1	4.62	43.0	4.37	41.1	4.37	39.2	4.09
		405.0	49.2	5.18	46.5	4.90	44.1	4.62	43.0	4.37	41.1	4.37	39.2	4.09
	40	108.0	49.2	4.97	46.5	4.68	44.1	4.44	43.0	4.09	41.1	4.16	39.2	3.80
		135.0	49.2	4.90	46.5	4.62	44.1	4.37	43.0	4.09	41.1	4.09	39.2	3.80
		270.0	49.2	4.62	46.5	4.37	44.1	4.09	43.0	4.09	41.1	3.80	39.2	3.80
		337.5	49.2	4.62	46.5	4.37	44.1	4.09	43.0	4.09	41.1	3.80	39.2	3.80
		405.0	49.2	4.62	46.5	4.37	44.1	4.09	43.0	4.09	41.1	3.80	39.2	3.80
	45	108.0	49.2	4.44	46.5	4.51	44.1	4.22	43.0	3.49	41.1	3.94	39.2	3.55
		135.0	49.2	4.37	46.5	4.37	44.1	4.09	43.0	3.55	41.1	3.80	39.2	3.55
		270.0	49.2	4.09	46.5	3.80	44.1	3.55	43.0	3.80	41.1	3.27	39.2	3.55
		337.5	49.2	4.09	46.5	3.80	44.1	3.55	43.0	3.80	41.1	3.27	39.2	3.55
		405.0	49.2	4.09	46.5	3.80	44.1	3.55	43.0	3.80	41.1	3.27	39.2	3.55

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(30HP)

ARWN300LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	115.6	44.7	17.50	44.4	16.48	44.1	15.34	43.5	14.88	44.0	14.50	42.8	13.00
		144.5	46.2	17.80	45.9	16.80	45.6	15.67	45.0	15.21	45.5	14.81	44.3	13.28
		289.0	52.3	19.01	51.9	18.06	51.6	17.00	50.9	16.51	51.5	16.05	50.2	14.41
		361.3	57.8	20.22	57.3	19.30	57.0	18.32	56.3	17.83	57.0	17.32	55.5	15.53
		433.5	60.6	20.83	60.1	19.93	59.7	18.99	59.0	18.50	59.7	17.95	58.1	16.10
	0	115.6	79.9	23.93	78.1	23.22	76.4	22.46	74.7	21.83	75.0	21.23	71.6	19.01
		144.5	80.3	24.00	78.5	23.28	76.8	22.53	75.2	21.90	75.4	21.29	72.0	19.07
		289.0	82.3	24.26	80.3	23.51	78.6	22.79	76.9	22.16	77.2	21.52	73.8	19.30
		361.3	83.5	24.26	81.5	23.51	79.8	22.79	78.1	22.16	78.3	21.52	74.8	19.30
		433.5	84.1	24.26	82.1	23.51	80.4	22.79	78.6	22.16	78.9	21.52	75.3	19.30
	5	115.6	115.0	25.73	113.3	25.09	110.9	24.45	108.1	23.76	105.2	23.10	99.4	20.69
		144.5	115.4	25.84	113.5	25.21	110.9	24.58	108.1	23.88	105.2	23.22	99.4	20.80
		289.0	117.0	26.30	114.3	25.67	111.0	25.07	108.1	24.37	105.2	23.68	99.4	21.23
		361.3	117.7	26.48	114.6	25.84	111.0	25.24	108.1	24.55	105.2	23.85	99.4	21.38
		433.5	118.1	26.56	114.8	25.93	111.0	25.32	108.1	24.63	105.2	23.94	99.4	21.45
	10	115.6	115.2	23.41	113.3	22.62	110.6	22.20	107.7	21.70	104.8	20.96	99.0	18.91
		144.5	115.9	23.37	113.8	22.64	111.0	22.24	108.1	21.69	105.2	20.95	99.4	18.90
		289.0	118.6	23.19	115.9	22.73	112.8	22.41	109.9	21.67	106.8	20.89	101.0	18.84
		361.3	119.2	23.51	116.7	23.05	113.5	22.50	110.4	21.75	107.5	21.23	101.6	19.74
		433.5	119.5	23.67	117.1	23.21	113.8	22.54	110.7	21.80	107.9	21.41	101.9	20.19
	15	115.6	115.3	21.10	113.3	20.20	110.1	19.98	107.2	19.65	104.4	18.81	98.6	17.14
		144.5	116.3	20.89	114.2	20.11	111.0	19.94	108.1	19.50	105.2	18.67	99.4	17.00
		289.0	120.1	20.05	117.6	19.76	114.5	19.76	111.6	18.93	108.4	18.09	102.6	16.42
		361.3	120.7	20.54	118.8	20.22	115.9	19.76	112.8	18.93	109.9	18.61	103.8	18.09
		433.5	121.0	20.79	119.3	20.46	116.7	19.76	113.4	18.93	110.6	18.87	104.4	18.93
	20	115.6	119.7	19.35	117.5	18.45	114.4	18.05	111.3	17.47	108.0	17.08	101.6	16.56
		144.5	120.7	19.22	118.5	18.44	115.3	18.04	112.2	17.55	109.0	17.20	102.6	16.42
		289.0	124.5	18.67	122.3	18.38	118.9	17.98	115.7	17.83	112.8	17.66	106.4	15.87
		361.3	125.0	18.67	123.2	18.38	120.3	18.09	116.8	17.83	113.7	17.66	107.2	16.88
		433.5	125.3	18.67	123.6	18.38	121.0	18.15	117.4	17.83	114.1	17.66	107.7	17.39
	25	115.6	126.4	18.45	123.2	17.92	120.3	17.62	118.0	17.32	115.3	17.07	108.7	15.95
		144.5	126.4	18.38	123.2	17.89	120.3	17.55	118.0	17.26	115.3	17.00	108.7	15.87
		289.0	126.4	18.09	123.2	17.78	120.3	17.26	118.0	17.00	115.3	16.71	108.7	15.59
		361.3	126.4	17.83	123.2	17.32	120.3	17.00	118.0	16.71	115.3	16.42	108.7	15.33
		433.5	126.4	17.70	123.2	17.08	120.3	16.87	118.0	16.56	115.3	16.28	108.7	15.20
	30	115.6	126.4	17.98	123.2	17.08	120.3	16.93	118.0	16.49	115.3	16.31	108.7	15.18
		144.5	126.4	17.83	123.2	17.06	120.3	16.83	118.0	16.42	115.3	16.16	108.7	15.04
		289.0	126.4	17.26	123.2	16.94	120.3	16.42	118.0	16.16	115.3	15.59	108.7	14.49
		361.3	126.4	17.00	123.2	16.48	120.3	16.16	118.0	15.87	115.3	15.59	108.7	14.49
		433.5	126.4	16.87	123.2	16.25	120.3	16.03	118.0	15.73	115.3	15.59	108.7	14.49
	35	115.6	126.4	17.14	123.2	16.57	120.3	16.24	118.0	15.65	115.3	15.11	108.7	14.05
		144.5	126.4	17.00	123.2	16.48	120.3	16.16	118.0	15.59	115.3	15.04	108.7	13.92
		289.0	126.4	16.42	123.2	16.10	120.3	15.87	118.0	15.33	115.3	14.75	108.7	13.37
		361.3	126.4	16.42	123.2	15.93	120.3	15.59	118.0	15.04	115.3	14.49	108.7	13.37
		433.5	126.4	16.42	123.2	15.85	120.3	15.44	118.0	14.89	115.3	14.36	108.7	13.37
	40	115.6	126.4	16.56	123.2	16.03	120.3	15.72	118.0	15.18	115.3	14.64	108.7	13.22
		144.5	126.4	16.42	123.2	15.93	120.3	15.59	118.0	15.04	115.3	14.49	108.7	13.08
		289.0	126.4	15.87	123.2	15.53	120.3	15.04	118.0	14.49	115.3	13.92	108.7	12.53
		361.3	126.4	15.59	123.2	15.27	120.3	15.04	118.0	14.49	115.3	13.92	108.7	12.53
		433.5	126.4	15.44	123.2	15.14	120.3	15.04	118.0	14.49	115.3	13.92	108.7	12.53
	45	115.6	126.4	16.01	123.2	15.49	120.3	15.25	118.0	14.70	115.3	14.13	108.7	12.38
		144.5	126.4	15.87	123.2	15.38	120.3	15.04	118.0	14.49	115.3	13.92	108.7	12.24
		289.0	126.4	15.33	123.2	14.98	120.3	14.20	118.0	13.66	115.3	13.08	108.7	11.70
		361.3	126.4	14.75	123.2	14.61	120.3	14.49	118.0	13.92	115.3	13.37	108.7	11.70
		433.5	126.4	14.46	123.2	14.42	120.3	14.64	118.0	14.05	115.3	13.51	108.7	11.70
120	-5	115.6	42.5	17.50	42.2	16.48	41.9	15.34	41.4	14.69	41.7	14.27	40.6	12.77
		144.5	44.0	17.80	43.6	16.80	43.3	15.67	42.8	15.01	43.2	14.58	42.0	13.05
		289.0	49.8	19.01	49.3	18.06	49.1	17.00	48.4	16.28	48.9	15.82	47.6	14.17
		361.3	54.9	20.22	54.5	19.30	54.2	18.32	53.5	17.57	54.0	17.06	52.5	15.27
		433.5	57.6	20.83	57.1	19.93	56.7	18.99	56.1	18.23	56.5	17.68	55.0	15.82
	0	115.6	75.9	23.93	74.1	23.22	72.5	22.46	71.0	21.51	71.0	20.92	67.8	18.70
		144.5	76.4	24.00	74.5	23.28	73.0	22.53	71.5	21.58	71.5	20.97	68.2	18.76
		289.0	78.1	24.26	76.3	23.51	74.7	22.79	73.1	21.84	73.1	21.20	69.9	18.99
		361.3	79.4	24.26	77.5	23.51	75.9	22.79	74.3	21.84	74.2	21.20	70.9	18.99
		433.5	80.0	24.26	78.2	23.51	76.4	22.79	74.9	21.84	74.7	21.20	71.5	18.99

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	115.6	109.5	25.73	107.8	25.09	105.5	24.45	102.9	23.41	99.7	22.76	94.2	20.38
		144.5	109.9	25.84	108.0	25.21	105.5	24.58	102.9	23.54	99.7	22.88	94.2	20.48
		289.0	111.5	26.30	108.8	25.67	105.5	25.07	102.9	24.03	99.7	23.34	94.2	20.89
		361.3	112.1	26.48	108.2	25.84	105.5	25.24	102.9	24.20	99.7	23.51	94.2	21.03
		433.5	112.4	26.56	107.9	25.93	105.5	25.32	102.9	24.29	99.7	23.60	94.2	21.10
	10	115.6	109.9	23.11	107.9	22.47	105.2	22.02	102.7	21.35	99.4	20.64	94.0	18.56
		144.5	110.4	23.19	108.3	22.56	105.5	22.10	102.9	21.38	99.7	20.63	94.2	18.58
		289.0	112.4	23.51	110.1	22.90	106.6	22.41	104.1	21.49	100.7	20.57	95.2	18.67
		361.3	113.0	23.42	109.7	22.90	107.1	22.50	104.5	21.58	101.2	20.66	95.6	19.30
		433.5	113.4	23.38	109.5	22.90	107.3	22.54	104.7	21.62	101.4	20.70	95.9	19.62
	15	115.6	110.2	20.50	108.0	19.89	104.9	19.58	102.4	19.29	99.2	18.52	93.7	16.78
		144.5	110.9	20.54	108.7	19.94	105.5	19.62	102.9	19.22	99.7	18.38	94.2	16.71
		289.0	113.4	20.71	111.3	20.11	107.9	19.76	105.2	18.93	101.7	17.83	96.3	16.42
		361.3	114.0	20.40	111.2	19.94	108.7	19.76	106.1	18.93	102.6	17.83	97.1	17.55
		433.5	114.3	20.24	111.2	19.85	109.2	19.76	106.5	18.93	103.0	17.83	97.6	18.11
	20	115.6	113.3	18.44	111.2	17.65	107.8	17.18	104.8	16.93	101.4	16.72	95.9	15.88
		144.5	114.0	18.44	111.8	17.72	108.4	17.26	105.5	17.00	102.1	16.71	96.5	15.82
		289.0	116.9	18.44	114.5	17.98	110.8	17.55	108.1	17.26	104.6	16.65	98.8	15.59
		361.3	117.4	18.27	114.4	17.83	111.6	17.55	108.7	17.26	105.2	16.71	99.4	16.16
		433.5	117.7	18.18	114.3	17.76	112.1	17.55	109.1	17.26	105.5	16.74	99.7	16.45
	25	115.6	118.8	17.44	115.3	16.62	111.6	16.31	109.3	15.95	106.4	15.65	100.6	14.56
		144.5	118.9	17.37	115.3	16.59	111.6	16.28	109.3	15.87	106.4	15.59	100.6	14.49
		289.0	119.1	17.11	115.3	16.48	111.6	16.16	109.3	15.59	106.4	15.33	100.6	14.20
		361.3	119.5	16.48	115.3	16.05	111.6	15.87	109.3	15.59	106.4	15.04	100.6	14.20
		433.5	119.6	16.16	115.3	15.83	111.6	15.73	109.3	15.59	106.4	14.89	100.6	14.20
	30	115.6	119.5	16.68	115.3	15.85	111.6	15.40	109.3	14.82	106.4	14.64	100.6	13.44
		144.5	119.5	16.54	115.3	15.76	111.6	15.33	109.3	14.75	106.4	14.49	100.6	13.37
		289.0	119.5	15.99	115.3	15.38	111.6	15.04	109.3	14.49	106.4	13.92	100.6	13.08
		361.3	119.5	15.47	115.3	15.04	111.6	14.75	109.3	14.49	106.4	13.92	100.6	12.82
		433.5	119.5	15.21	115.3	14.86	111.6	14.61	109.3	14.49	106.4	13.92	100.6	12.69
	35	115.6	119.5	15.93	115.3	15.06	111.6	14.64	109.3	14.05	106.4	13.51	100.6	12.31
		144.5	119.5	15.70	115.3	14.92	111.6	14.49	109.3	13.92	106.4	13.37	100.6	12.24
		289.0	119.5	14.81	115.3	14.38	111.6	13.92	109.3	13.37	106.4	12.82	100.6	11.99
		361.3	119.5	14.64	115.3	14.26	111.6	13.92	109.3	13.37	106.4	12.82	100.6	11.70
		433.5	119.5	14.55	115.3	14.20	111.6	13.92	109.3	13.37	106.4	12.82	100.6	11.55
	40	115.6	119.5	15.45	115.3	14.37	111.6	13.80	109.3	13.22	106.4	12.67	100.6	11.47
		144.5	119.5	15.15	115.3	14.20	111.6	13.66	109.3	13.08	106.4	12.53	100.6	11.41
		289.0	119.5	13.97	115.3	13.54	111.6	13.08	109.3	12.53	106.4	11.99	100.6	11.15
		361.3	119.5	13.80	115.3	13.37	111.6	13.08	109.3	12.53	106.4	11.99	100.6	10.86
		433.5	119.5	13.71	115.3	13.28	111.6	13.08	109.3	12.53	106.4	11.99	100.6	10.72
	45	115.6	119.5	14.98	115.3	13.68	111.6	12.97	109.3	12.38	106.4	11.84	100.6	10.64
		144.5	119.5	14.61	115.3	13.48	111.6	12.82	109.3	12.24	106.4	11.70	100.6	10.57
		289.0	119.5	13.14	115.3	12.71	111.6	12.24	109.3	11.70	106.4	11.15	100.6	10.31
		361.3	119.5	12.96	115.3	12.47	111.6	12.24	109.3	11.70	106.4	11.15	100.6	10.03
		433.5	119.5	12.88	115.3	12.36	111.6	12.24	109.3	11.70	106.4	11.15	100.6	9.88
110	-5	115.6	40.2	17.73	39.9	16.48	39.7	15.34	39.3	14.69	39.4	14.27	38.5	12.77
		144.5	41.6	18.04	41.3	16.80	41.1	15.67	40.6	15.01	40.7	14.58	39.8	13.05
		289.0	47.0	19.25	46.8	18.06	46.5	17.00	46.0	16.28	46.0	15.82	45.1	14.17
		361.3	52.0	20.48	51.6	19.30	51.3	18.32	50.8	17.57	50.8	17.06	49.8	15.27
		433.5	54.4	21.11	54.0	19.93	53.8	18.99	53.2	18.23	53.2	17.68	52.1	15.82
	0	115.6	71.8	24.26	70.3	23.22	68.8	22.46	67.5	21.51	66.8	20.92	64.3	18.70
		144.5	72.3	24.32	70.7	23.28	69.2	22.53	67.9	21.58	67.2	20.97	64.7	18.76
		289.0	73.9	24.55	72.3	23.51	70.8	22.79	69.4	21.84	68.8	21.20	66.2	18.99
		361.3	75.1	24.55	73.5	23.51	71.9	22.79	70.5	21.84	69.9	21.20	67.2	18.99
		433.5	75.6	24.55	74.1	23.51	72.5	22.79	71.0	21.84	70.4	21.20	67.6	18.99
	5	115.6	104.8	26.07	102.3	25.09	99.9	24.45	97.7	23.41	93.9	22.76	89.3	20.38
		144.5	105.1	26.19	102.5	25.21	100.0	24.58	97.7	23.54	93.9	22.88	89.3	20.48
		289.0	106.5	26.65	103.3	25.67	100.0	25.07	97.7	24.03	93.9	23.34	89.3	20.89
		361.3	107.2	26.82	103.6	25.84	100.0	25.24	97.7	24.20	93.9	23.51	89.3	21.03
		433.5	107.5	26.91	103.7	25.93	100.0	25.32	97.7	24.29	93.9	23.60	89.3	21.10
	10	115.6	105.2	23.38	102.6	22.58	99.8	22.09	97.5	21.35	93.7	20.64	89.2	18.56
		144.5	105.6	23.42	102.9	22.64	100.0	22.16	97.7	21.38	93.9	20.63	89.3	18.58
		289.0	107.2	23.60	103.9	22.90	100.6	22.41	98.3	21.49	94.5	20.57	89.8	18.67
		361.3	107.8	23.60	104.3	22.90	100.9	22.36	98.5	21.43	94.7	20.66	90.0	18.87
		433.5	108.1	23.60	104.6	22.90	101.1	22.33	98.5	21.41	94.8	20.70	90.1	18.97

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	115.6	105.5	20.69	102.7	20.11	99.7	19.76	97.4	19.29	93.6	18.52	89.1	16.78
		144.5	105.9	20.66	103.1	20.11	100.0	19.76	97.7	19.22	93.9	18.38	89.3	16.71
		289.0	107.7	20.54	104.6	20.11	101.2	19.76	98.8	18.93	95.1	17.83	90.2	16.42
		361.3	108.3	20.40	105.1	19.94	101.7	19.50	99.2	18.67	95.4	17.83	90.7	16.71
		433.5	108.6	20.33	105.4	19.85	102.0	19.37	99.3	18.54	95.5	17.83	91.0	16.86
	20	115.6	107.5	17.85	104.5	17.43	101.2	17.00	98.4	16.71	94.8	16.24	89.8	15.18
		144.5	108.0	17.89	104.9	17.43	101.4	17.00	98.8	16.71	95.1	16.16	90.2	15.15
		289.0	110.3	18.04	106.3	17.43	102.6	17.00	100.3	16.71	96.3	15.87	91.6	15.04
		361.3	110.9	18.04	107.2	17.43	103.2	17.00	100.6	16.42	96.8	15.87	91.9	15.04
		433.5	111.2	18.04	107.6	17.43	103.5	17.00	100.7	16.28	97.1	15.87	92.0	15.04
	25	115.6	110.8	16.25	107.5	15.65	103.2	15.40	100.9	14.82	97.4	14.28	92.2	13.08
		144.5	111.0	16.22	107.5	15.59	103.2	15.33	100.9	14.75	97.4	14.20	92.2	13.08
		289.0	111.9	16.10	107.5	15.33	103.2	15.04	100.9	14.49	97.4	13.92	92.2	13.08
		361.3	112.4	16.10	107.5	15.38	103.2	14.75	100.9	14.49	97.4	13.66	92.2	12.82
		433.5	112.7	16.10	107.5	15.41	103.2	14.61	100.9	14.49	97.4	13.53	92.2	12.69
	30	115.6	112.4	14.82	107.5	14.28	103.2	13.73	100.9	13.44	97.4	12.61	92.2	11.77
		144.5	112.4	14.75	107.5	14.20	103.2	13.66	100.9	13.37	97.4	12.53	92.2	11.70
		289.0	112.4	14.49	107.5	13.92	103.2	13.37	100.9	13.08	97.4	12.24	92.2	11.41
		361.3	112.4	14.38	107.5	13.66	103.2	13.08	100.9	12.82	97.4	12.24	92.2	11.41
		433.5	112.4	14.32	107.5	13.53	103.2	12.93	100.9	12.69	97.4	12.24	92.2	11.41
	35	115.6	112.4	14.05	107.5	13.15	103.2	12.61	100.9	12.06	97.4	11.47	92.2	10.64
		144.5	112.4	13.92	107.5	13.08	103.2	12.53	100.9	11.99	97.4	11.41	92.2	10.57
		289.0	112.4	13.37	107.5	12.82	103.2	12.24	100.9	11.70	97.4	11.15	92.2	10.31
		361.3	112.4	13.02	107.5	12.53	103.2	11.99	100.9	11.70	97.4	11.15	92.2	10.31
		433.5	112.4	12.85	107.5	12.39	103.2	11.85	100.9	11.70	97.4	11.15	92.2	10.31
	40	115.6	112.4	13.22	107.5	12.67	103.2	11.84	100.9	11.22	97.4	10.64	92.2	9.80
		144.5	112.4	13.08	107.5	12.53	103.2	11.70	100.9	11.15	97.4	10.57	92.2	9.74
		289.0	112.4	12.53	107.5	11.99	103.2	11.15	100.9	10.86	97.4	10.31	92.2	9.48
		361.3	112.4	12.36	107.5	11.70	103.2	11.15	100.9	10.57	97.4	10.03	92.2	9.19
		433.5	112.4	12.27	107.5	11.55	103.2	11.15	100.9	10.43	97.4	9.88	92.2	9.05
	45	115.6	112.4	12.38	107.5	12.20	103.2	11.07	100.9	10.39	97.4	9.80	92.2	8.97
		144.5	112.4	12.24	107.5	11.99	103.2	10.86	100.9	10.31	97.4	9.74	92.2	8.90
		289.0	112.4	11.70	107.5	11.15	103.2	10.03	100.9	10.03	97.4	9.48	92.2	8.64
		361.3	112.4	11.70	107.5	10.86	103.2	10.31	100.9	9.48	97.4	8.90	92.2	8.07
		433.5	112.4	11.70	107.5	10.72	103.2	10.46	100.9	9.20	97.4	8.61	92.2	7.78
100	-5	115.6	38.0	17.73	37.7	16.71	37.6	15.34	37.2	14.69	36.9	14.03	36.2	12.77
		144.5	39.3	18.04	39.0	17.03	38.9	15.67	38.5	15.01	38.2	14.35	37.4	13.05
		289.0	44.5	19.25	44.2	18.29	44.0	17.00	43.5	16.28	43.2	15.59	42.5	14.17
		361.3	49.1	20.48	48.8	19.56	48.5	18.32	48.1	17.57	47.7	16.80	46.9	15.27
		433.5	51.5	21.11	51.1	20.20	50.8	18.99	50.4	18.23	50.0	17.41	49.1	15.82
	0	115.6	67.9	24.26	66.4	23.54	65.0	22.46	63.9	21.51	62.7	20.60	60.6	18.70
		144.5	68.3	24.32	66.8	23.60	65.4	22.53	64.3	21.58	63.1	20.66	60.9	18.76
		289.0	69.9	24.55	68.4	23.83	66.9	22.79	65.8	21.84	64.6	20.89	62.3	18.99
		361.3	70.9	24.55	69.4	23.83	68.0	22.79	66.7	21.84	65.6	20.89	63.3	18.99
		433.5	71.5	24.55	70.0	23.83	68.5	22.79	67.2	21.84	66.1	20.89	63.8	18.99
	5	115.6	100.2	26.07	96.9	25.44	94.4	24.45	92.5	23.41	88.1	22.41	84.0	20.38
		144.5	100.6	26.19	97.0	25.55	94.4	24.58	92.5	23.54	88.1	22.53	84.0	20.48
		289.0	102.0	26.65	97.8	26.02	94.5	25.07	92.5	24.03	88.1	22.99	84.0	20.89
		361.3	102.6	26.82	98.0	26.19	94.5	25.24	92.5	24.20	88.1	23.13	84.0	21.03
		433.5	102.9	26.91	98.1	26.28	94.5	25.32	92.5	24.29	88.1	23.21	84.0	21.10
	10	115.6	100.8	23.31	97.2	22.80	94.5	22.09	92.5	21.35	88.1	20.29	84.0	18.56
		144.5	101.0	23.42	97.3	22.88	94.5	22.16	92.5	21.38	88.1	20.31	84.0	18.58
		289.0	102.0	23.85	97.8	23.16	94.5	22.41	92.5	21.49	88.1	20.40	84.0	18.67
		361.3	102.7	23.77	98.3	23.16	94.5	22.36	92.5	21.43	88.1	20.34	84.0	18.58
		433.5	103.0	23.72	98.5	23.16	94.5	22.33	92.5	21.41	88.1	20.31	84.0	18.54
	15	115.6	101.3	20.56	97.6	20.21	94.5	19.76	92.5	19.29	88.1	18.16	84.0	16.78
		144.5	101.4	20.66	97.7	20.22	94.5	19.76	92.5	19.22	88.1	18.09	84.0	16.71
		289.0	102.0	21.06	97.9	20.28	94.5	19.76	92.5	18.93	88.1	17.83	84.0	16.42
		361.3	102.9	20.71	98.5	20.11	94.5	19.50	92.5	18.67	88.1	17.55	84.0	16.16
		433.5	103.3	20.54	98.7	20.02	94.5	19.37	92.5	18.54	88.1	17.40	84.0	16.03
	20	115.6	101.9	17.58	98.1	17.13	94.5	16.71	92.5	16.49	88.1	15.40	84.0	14.64
		144.5	102.2	17.66	98.2	17.14	94.5	16.71	92.5	16.42	88.1	15.33	84.0	14.49
		289.0	103.7	17.98	98.5	17.20	94.5	16.71	92.5	16.16	88.1	15.04	84.0	13.92
		361.3	104.3	17.66	99.3	17.06	94.5	16.42	92.5	15.87	88.1	14.75	84.0	13.66
		433.5	104.7	17.50	99.8	16.98	94.5	16.28	92.5	15.73	88.1	14.61	84.0	13.53

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	115.6	103.1	15.37	99.7	14.89	94.5	14.28	92.5	13.73	88.1	12.89	84.0	11.70
		144.5	103.5	15.38	99.7	14.81	94.5	14.20	92.5	13.66	88.1	12.82	84.0	11.70
		289.0	105.0	15.44	99.7	14.49	94.5	13.92	92.5	13.37	88.1	12.53	84.0	11.70
		361.3	105.5	15.10	99.7	14.38	94.5	13.66	92.5	13.08	88.1	12.53	84.0	11.41
		433.5	105.8	14.92	99.7	14.32	94.5	13.53	92.5	12.93	88.1	12.53	84.0	11.26
	30	115.6	105.5	13.98	99.7	12.89	94.5	12.01	92.5	11.77	88.1	10.86	84.0	10.39
		144.5	105.5	13.92	99.7	12.82	94.5	11.99	92.5	11.70	88.1	10.86	84.0	10.31
		289.0	105.5	13.66	99.7	12.53	94.5	11.87	92.5	11.41	88.1	10.86	84.0	10.03
		361.3	105.5	13.37	99.7	12.53	94.5	11.70	92.5	11.41	88.1	10.57	84.0	10.03
		433.5	105.5	13.22	99.7	12.53	94.5	11.61	92.5	11.41	88.1	10.43	84.0	10.03
	35	115.6	105.5	12.97	99.7	11.84	94.5	10.60	92.5	10.39	88.1	9.80	84.0	8.97
		144.5	105.5	12.82	99.7	11.70	94.5	10.57	92.5	10.31	88.1	9.74	84.0	8.90
		289.0	105.5	12.24	99.7	11.15	94.5	10.46	92.5	10.03	88.1	9.48	84.0	8.64
		361.3	105.5	12.24	99.7	11.15	94.5	10.31	92.5	10.03	88.1	9.48	84.0	8.64
		433.5	105.5	12.24	99.7	11.15	94.5	10.24	92.5	10.03	88.1	9.48	84.0	8.64
	40	115.6	105.5	12.13	99.7	11.00	94.5	9.51	92.5	9.26	88.1	8.72	84.0	8.13
		144.5	105.5	11.99	99.7	10.86	94.5	9.48	92.5	9.19	88.1	8.64	84.0	8.07
		289.0	105.5	11.41	99.7	10.31	94.5	9.36	92.5	8.90	88.1	8.36	84.0	7.81
		361.3	105.5	11.15	99.7	10.31	94.5	9.19	92.5	8.90	88.1	8.36	84.0	7.81
		433.5	105.5	11.02	99.7	10.31	94.5	9.10	92.5	8.90	88.1	8.36	84.0	7.81
	45	115.6	105.5	11.30	99.7	10.16	94.5	8.38	92.5	8.13	88.1	7.59	84.0	7.30
		144.5	105.5	11.15	99.7	10.03	94.5	8.36	92.5	8.07	88.1	7.52	84.0	7.23
		289.0	105.5	10.57	99.7	9.48	94.5	8.24	92.5	7.81	88.1	7.23	84.0	6.97
		361.3	105.5	10.03	99.7	9.48	94.5	8.07	92.5	7.81	88.1	7.23	84.0	6.97
		433.5	105.5	9.75	99.7	9.48	94.5	7.98	92.5	7.81	88.1	7.23	84.0	6.97
90	-5	115.6	35.9	16.46	34.8	14.99	33.7	13.16	33.5	12.54	33.2	12.09	32.6	10.85
		144.5	37.1	16.74	36.0	15.27	34.9	13.45	34.6	12.82	34.4	12.36	33.8	11.09
		289.0	42.0	17.86	40.7	16.39	39.5	14.61	39.2	13.92	38.9	13.43	38.2	12.04
		361.3	46.4	18.99	44.9	17.55	43.6	15.76	43.3	15.01	43.0	14.46	42.2	12.99
		433.5	48.6	19.55	47.0	18.13	45.7	16.34	45.3	15.56	45.0	14.99	44.2	13.47
	0	115.6	64.1	22.41	61.2	21.03	58.4	19.31	57.5	18.42	56.5	17.73	54.4	15.92
		144.5	64.5	22.47	61.5	21.09	58.7	19.36	57.8	18.47	56.9	17.78	54.8	15.96
		289.0	66.0	22.70	62.9	21.32	60.1	19.56	59.2	18.67	58.2	17.98	56.1	16.13
		361.3	67.0	22.70	63.9	21.32	61.1	19.56	60.0	18.67	59.2	17.98	57.0	16.13
		433.5	67.5	22.70	64.4	21.32	61.6	19.56	60.5	18.67	59.6	17.98	57.4	16.13
	5	115.6	90.6	24.06	87.7	22.71	84.9	21.02	83.2	20.04	79.5	19.29	75.7	17.31
		144.5	90.7	24.17	87.6	22.82	84.9	21.12	83.2	20.14	79.5	19.39	75.7	17.40
		289.0	91.1	24.60	87.4	23.25	84.9	21.52	83.2	20.54	79.5	19.79	75.7	17.75
		361.3	91.6	24.75	87.6	23.39	84.9	21.69	83.2	20.69	79.5	19.94	75.7	17.89
		433.5	91.9	24.82	87.8	23.47	84.9	21.78	83.2	20.76	79.5	20.01	75.7	17.96
	10	115.6	91.1	21.25	88.0	20.20	84.9	19.02	83.2	18.24	79.5	17.50	75.7	15.77
		144.5	91.1	21.26	87.9	20.22	84.9	19.04	83.2	18.27	79.5	17.49	75.7	15.79
		289.0	90.9	21.32	87.5	20.31	84.9	19.13	83.2	18.35	79.5	17.43	75.7	15.85
		361.3	91.5	21.26	87.7	20.25	84.9	19.07	83.2	18.29	79.5	17.49	75.7	15.90
		433.5	91.8	21.23	87.9	20.22	84.9	19.04	83.2	18.27	79.5	17.52	75.7	15.93
	15	115.6	91.6	18.40	88.3	17.73	84.9	17.07	83.2	16.49	79.5	15.72	75.7	14.28
		144.5	91.4	18.32	88.2	17.66	84.9	17.00	83.2	16.42	79.5	15.59	75.7	14.20
		289.0	90.8	18.04	87.6	17.37	84.9	16.71	83.2	16.16	79.5	15.04	75.7	13.92
		361.3	91.4	17.78	87.8	17.11	84.9	16.42	83.2	15.87	79.5	15.04	75.7	13.92
		433.5	91.7	17.65	88.0	16.98	84.9	16.28	83.2	15.73	79.5	15.04	75.7	13.92
	20	115.6	92.1	15.53	88.7	15.08	84.9	14.56	83.2	13.98	79.5	13.51	75.7	12.67
		144.5	92.0	15.53	88.5	15.04	84.9	14.49	83.2	13.92	79.5	13.37	75.7	12.53
		289.0	91.7	15.53	87.8	14.87	84.9	14.20	83.2	13.66	79.5	12.82	75.7	11.99
		361.3	92.0	15.27	88.1	14.75	84.9	14.20	83.2	13.66	79.5	12.82	75.7	11.99
		433.5	92.1	15.14	88.2	14.69	84.9	14.20	83.2	13.66	79.5	12.82	75.7	11.99
	25	115.6	93.7	13.57	89.8	12.85	84.9	12.31	83.2	11.70	79.5	11.22	75.7	10.39
		144.5	93.9	13.54	89.8	12.82	84.9	12.24	83.2	11.70	79.5	11.15	75.7	10.31
		289.0	94.8	13.43	89.8	12.71	84.9	11.99	83.2	11.70	79.5	10.86	75.7	10.03
		361.3	95.1	13.08	89.8	12.42	84.9	11.99	83.2	11.41	79.5	10.86	75.7	10.03
		433.5	95.3	12.91	89.8	12.27	84.9	11.99	83.2	11.26	79.5	10.86	75.7	10.03
	30	115.6	95.1	12.31	89.8	11.47	84.9	10.64	83.2	10.39	79.5	9.80	75.7	8.90
		144.5	95.1	12.24	89.8	11.41	84.9	10.57	83.2	10.31	79.5	9.74	75.7	8.90
		289.0	95.1	11.99	89.8	11.15	84.9	10.31	83.2	10.03	79.5	9.48	75.7	8.90
		361.3	95.1	11.70	89.8	10.86	84.9	10.31	83.2	10.03	79.5	9.48	75.7	8.64
		433.5	95.1	11.55	89.8	10.72	84.9	10.31	83.2	10.03	79.5	9.48	75.7	8.51

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	115.6	95.1	11.22	89.8	10.39	84.9	9.55	83.2	9.26	79.5	8.72	75.7	8.13
		144.5	95.1	11.15	89.8	10.31	84.9	9.48	83.2	9.19	79.5	8.64	75.7	8.07
		289.0	95.1	10.86	89.8	10.03	84.9	9.19	83.2	8.90	79.5	8.36	75.7	7.81
		361.3	95.1	10.57	89.8	9.74	84.9	8.90	83.2	8.64	79.5	8.36	75.7	7.81
		433.5	95.1	10.43	89.8	9.59	84.9	8.76	83.2	8.51	79.5	8.36	75.7	7.81
	40	115.6	95.1	10.46	89.8	9.55	84.9	8.43	83.2	8.13	79.5	7.88	75.7	7.30
		144.5	95.1	10.31	89.8	9.48	84.9	8.36	83.2	8.07	79.5	7.81	75.7	7.23
		289.0	95.1	9.74	89.8	9.19	84.9	8.07	83.2	7.81	79.5	7.52	75.7	6.97
		361.3	95.1	9.74	89.8	9.19	84.9	8.07	83.2	7.81	79.5	7.52	75.7	6.97
		433.5	95.1	9.74	89.8	9.19	84.9	8.07	83.2	7.81	79.5	7.52	75.7	6.97
	45	115.6	95.1	9.69	89.8	8.72	84.9	7.30	83.2	7.04	79.5	7.04	75.7	6.46
		144.5	95.1	9.48	89.8	8.64	84.9	7.23	83.2	6.97	79.5	6.97	75.7	6.40
		289.0	95.1	8.64	89.8	8.36	84.9	6.97	83.2	6.68	79.5	6.68	75.7	6.14
		361.3	95.1	8.90	89.8	8.64	84.9	7.23	83.2	6.97	79.5	6.68	75.7	6.14
		433.5	95.1	9.03	89.8	8.79	84.9	7.36	83.2	7.12	79.5	6.68	75.7	6.14
80	-5	115.6	33.9	11.72	31.8	11.28	30.1	10.80	29.7	10.43	29.6	9.95	29.0	9.17
		144.5	35.1	11.99	32.9	11.52	31.1	11.03	30.8	10.66	30.6	10.17	30.0	9.36
		289.0	39.6	13.02	37.2	12.50	35.2	11.96	34.8	11.55	34.6	11.03	33.9	10.14
		361.3	43.9	14.03	41.1	13.48	38.9	12.91	38.4	12.47	38.2	11.90	37.4	10.95
		433.5	46.0	14.54	43.0	13.98	40.7	13.39	40.2	12.94	40.1	12.33	39.2	11.35
	0	115.6	60.5	17.21	55.8	16.52	52.0	15.83	51.0	15.28	50.3	14.56	48.4	13.42
		144.5	60.9	17.26	56.2	16.57	52.3	15.87	51.3	15.33	50.6	14.61	48.7	13.45
		289.0	62.4	17.46	57.5	16.77	53.5	16.05	52.6	15.50	51.9	14.78	49.8	13.60
		361.3	63.3	17.46	58.4	16.77	54.4	16.05	53.4	15.50	52.7	14.78	50.6	13.60
		433.5	63.7	17.46	58.8	16.77	54.9	16.05	53.8	15.50	53.1	14.78	51.0	13.60
	5	115.6	83.8	18.71	79.0	18.01	75.6	17.19	73.9	16.62	70.8	15.85	67.2	14.58
		144.5	84.0	18.81	79.2	18.09	75.6	17.29	73.9	16.71	70.8	15.93	67.2	14.66
		289.0	84.7	19.22	79.8	18.44	75.7	17.66	73.9	17.06	70.8	16.25	67.2	14.98
		361.3	84.7	19.33	79.7	18.58	75.7	17.78	73.9	17.17	70.8	16.36	67.2	15.07
		433.5	84.7	19.39	79.7	18.66	75.7	17.83	73.9	17.23	70.8	16.42	67.2	15.11
	10	115.6	84.2	17.22	79.4	16.44	75.6	15.61	73.9	15.18	70.8	14.37	67.2	13.30
		144.5	84.3	17.20	79.5	16.42	75.6	15.62	73.9	15.18	70.8	14.38	67.2	13.31
		289.0	84.7	17.11	79.8	16.34	75.7	15.64	73.9	15.21	70.8	14.41	67.2	13.34
		361.3	84.7	17.06	79.7	16.39	75.7	15.70	73.9	15.13	70.8	14.32	67.2	13.25
		433.5	84.7	17.03	79.7	16.42	75.7	15.73	73.9	15.08	70.8	14.28	67.2	13.21
	15	115.6	84.7	15.72	79.7	14.89	75.7	13.98	73.9	13.73	70.8	12.89	67.2	12.06
		144.5	84.7	15.59	79.7	14.75	75.7	13.92	73.9	13.66	70.8	12.82	67.2	11.99
		289.0	84.7	15.04	79.7	14.20	75.7	13.66	73.9	13.37	70.8	12.53	67.2	11.70
		361.3	84.7	14.75	79.7	14.20	75.7	13.66	73.9	13.08	70.8	12.24	67.2	11.41
		433.5	84.7	14.61	79.7	14.20	75.7	13.66	73.9	12.93	70.8	12.10	67.2	11.26
	20	115.6	84.7	13.15	79.7	12.61	75.7	11.99	73.9	11.77	70.8	11.22	67.2	10.39
		144.5	84.7	13.08	79.7	12.53	75.7	11.99	73.9	11.70	70.8	11.15	67.2	10.31
		289.0	84.7	12.82	79.7	12.24	75.7	11.99	73.9	11.41	70.8	10.86	67.2	10.03
		361.3	84.7	12.53	79.7	11.99	75.7	11.70	73.9	11.41	70.8	10.57	67.2	10.03
		433.5	84.7	12.39	79.7	11.85	75.7	11.55	73.9	11.41	70.8	10.43	67.2	10.03
	25	115.6	84.7	11.77	79.7	10.93	75.7	10.31	73.9	10.10	70.8	9.55	67.2	8.97
		144.5	84.7	11.70	79.7	10.86	75.7	10.31	73.9	10.03	70.8	9.48	67.2	8.90
		289.0	84.7	11.41	79.7	10.57	75.7	10.31	73.9	9.74	70.8	9.19	67.2	8.64
		361.3	84.7	11.15	79.7	10.57	75.7	10.03	73.9	9.74	70.8	9.19	67.2	8.64
		433.5	84.7	11.02	79.7	10.57	75.7	9.88	73.9	9.74	70.8	9.19	67.2	8.64
	30	115.6	84.7	10.39	79.7	9.80	75.7	9.26	73.9	8.97	70.8	8.43	67.2	7.88
		144.5	84.7	10.31	79.7	9.74	75.7	9.19	73.9	8.90	70.8	8.36	67.2	7.81
		289.0	84.7	10.03	79.7	9.48	75.7	8.90	73.9	8.64	70.8	8.07	67.2	7.52
		361.3	84.7	10.03	79.7	9.48	75.7	8.90	73.9	8.64	70.8	8.07	67.2	7.52
		433.5	84.7	10.03	79.7	9.48	75.7	8.90	73.9	8.64	70.8	8.07	67.2	7.52
	35	115.6	84.7	9.55	79.7	8.97	75.7	8.13	73.9	7.81	70.8	7.59	67.2	6.97
		144.5	84.7	9.48	79.7	8.90	75.7	8.07	73.9	7.81	70.8	7.52	67.2	6.97
		289.0	84.7	9.19	79.7	8.64	75.7	7.81	73.9	7.81	70.8	7.23	67.2	6.97
		361.3	84.7	9.19	79.7	8.36	75.7	7.81	73.9	7.52	70.8	7.23	67.2	6.68
		433.5	84.7	9.19	79.7	8.21	75.7	7.81	73.9	7.37	70.8	7.23	67.2	6.54
	40	115.6	84.7	9.04	79.7	8.13	75.7	7.23	73.9	7.30	70.8	6.68	67.2	6.46
		144.5	84.7	8.90	79.7	8.07	75.7	7.23	73.9	7.23	70.8	6.68	67.2	6.40
		289.0	84.7	8.36	79.7	7.81	75.7	7.23	73.9	6.97	70.8	6.68	67.2	6.14
		361.3	84.7	8.36	79.7	7.81	75.7	6.97	73.9	6.97	70.8	6.68	67.2	6.14
		433.5	84.7	8.36	79.7	7.81	75.7	6.84	73.9	6.97	70.8	6.68	67.2	6.14

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	115.6	84.7	8.57	79.7	7.30	75.7	6.32	73.9	6.82	70.8	5.78	67.2	5.99
		144.5	84.7	8.36	79.7	7.23	75.7	6.40	73.9	6.68	70.8	5.85	67.2	5.85
		289.0	84.7	7.52	79.7	6.97	75.7	6.68	73.9	6.14	70.8	6.14	67.2	5.30
		361.3	84.7	7.52	79.7	7.23	75.7	6.14	73.9	6.40	70.8	6.14	67.2	5.56
		433.5	84.7	7.52	79.7	7.36	75.7	5.86	73.9	6.53	70.8	6.14	67.2	5.69
70	-5	115.6	29.6	10.07	27.8	9.58	26.3	9.27	26.0	8.74	25.8	8.43	25.4	7.67
		144.5	30.6	10.29	28.7	9.80	27.2	9.48	26.9	8.93	26.7	8.61	26.3	7.84
		289.0	34.6	11.15	32.5	10.63	30.7	10.29	30.4	9.68	30.2	9.33	29.7	8.50
		361.3	38.3	12.04	36.0	11.47	33.9	11.09	33.7	10.43	33.4	10.08	32.8	9.16
		433.5	40.2	12.49	37.7	11.89	35.6	11.50	35.3	10.81	35.0	10.46	34.3	9.50
	0	115.6	53.0	14.74	48.9	14.05	45.4	13.58	44.7	12.78	44.0	12.35	42.4	11.24
		144.5	53.3	14.78	49.2	14.09	45.7	13.63	44.9	12.82	44.2	12.39	42.6	11.26
		289.0	54.5	14.95	50.4	14.23	46.8	13.80	46.0	12.96	45.3	12.53	43.6	11.38
		361.3	55.3	14.95	51.2	14.23	47.5	13.80	46.7	12.96	46.0	12.53	44.3	11.38
		433.5	55.7	14.95	51.6	14.23	47.8	13.80	47.0	12.96	46.3	12.53	44.7	11.38
	5	115.6	73.2	16.05	69.3	15.28	66.0	14.79	64.6	13.94	61.7	13.44	58.8	12.21
		144.5	73.3	16.13	69.4	15.36	66.0	14.87	64.6	14.00	61.7	13.51	58.8	12.27
		289.0	73.9	16.45	70.0	15.67	66.1	15.18	64.6	14.26	61.7	13.80	58.8	12.53
		361.3	73.9	16.57	69.9	15.79	66.1	15.30	64.6	14.38	61.7	13.89	58.8	12.62
		433.5	73.9	16.62	69.8	15.85	66.1	15.36	64.6	14.43	61.7	13.93	58.8	12.66
	10	115.6	73.5	14.78	69.6	13.97	66.1	13.45	64.6	12.71	61.7	12.19	58.8	11.15
		144.5	73.6	14.75	69.6	13.94	66.1	13.43	64.6	12.71	61.7	12.19	58.8	11.15
		289.0	73.9	14.64	69.9	13.83	66.1	13.31	64.6	12.71	61.7	12.19	58.8	11.15
		361.3	73.9	14.69	69.9	13.89	66.1	13.37	64.6	12.76	61.7	12.10	58.8	11.18
		433.5	73.9	14.72	69.9	13.92	66.1	13.40	64.6	12.79	61.7	12.06	58.8	11.19
	15	115.6	73.9	13.51	69.9	12.67	66.1	12.13	64.6	11.47	61.7	10.93	58.8	10.10
		144.5	73.9	13.37	69.9	12.53	66.1	11.99	64.6	11.41	61.7	10.86	58.8	10.03
		289.0	73.9	12.82	69.9	11.99	66.1	11.41	64.6	11.15	61.7	10.57	58.8	9.74
		361.3	73.9	12.82	69.9	11.99	66.1	11.41	64.6	11.15	61.7	10.31	58.8	9.74
		433.5	73.9	12.82	69.9	11.99	66.1	11.41	64.6	11.15	61.7	10.18	58.8	9.74
	20	115.6	73.9	11.22	69.9	10.64	66.1	10.39	64.6	10.10	61.7	9.55	58.8	8.97
		144.5	73.9	11.15	69.9	10.57	66.1	10.31	64.6	10.03	61.7	9.48	58.8	8.90
		289.0	73.9	10.86	69.9	10.31	66.1	10.03	64.6	9.74	61.7	9.19	58.8	8.64
		361.3	73.9	10.86	69.9	10.31	66.1	10.03	64.6	9.48	61.7	9.19	58.8	8.36
		433.5	73.9	10.86	69.9	10.31	66.1	10.03	64.6	9.35	61.7	9.19	58.8	8.21
	25	115.6	73.9	10.10	69.9	9.55	66.1	8.97	64.6	8.72	61.7	8.07	58.8	7.52
		144.5	73.9	10.03	69.9	9.48	66.1	8.90	64.6	8.64	61.7	8.07	58.8	7.52
		289.0	73.9	9.74	69.9	9.19	66.1	8.64	64.6	8.36	61.7	8.07	58.8	7.52
		361.3	73.9	9.48	69.9	8.90	66.1	8.64	64.6	8.36	61.7	7.81	58.8	7.52
		433.5	73.9	9.35	69.9	8.76	66.1	8.64	64.6	8.36	61.7	7.68	58.8	7.52
	30	115.6	73.9	8.97	69.9	8.43	66.1	7.88	64.6	7.52	61.7	7.30	58.8	6.68
		144.5	73.9	8.90	69.9	8.36	66.1	7.81	64.6	7.52	61.7	7.23	58.8	6.68
		289.0	73.9	8.64	69.9	8.07	66.1	7.52	64.6	7.52	61.7	6.97	58.8	6.68
		361.3	73.9	8.64	69.9	8.07	66.1	7.52	64.6	7.23	61.7	6.97	58.8	6.68
		433.5	73.9	8.64	69.9	8.07	66.1	7.52	64.6	7.09	61.7	6.97	58.8	6.68
	35	115.6	73.9	8.13	69.9	7.59	66.1	6.97	64.6	7.04	61.7	6.40	58.8	6.21
		144.5	73.9	8.07	69.9	7.52	66.1	6.97	64.6	6.97	61.7	6.40	58.8	6.14
		289.0	73.9	7.81	69.9	7.23	66.1	6.97	64.6	6.68	61.7	6.40	58.8	5.85
		361.3	73.9	7.81	69.9	7.23	66.1	6.68	64.6	6.68	61.7	6.40	58.8	5.85
		433.5	73.9	7.81	69.9	7.23	66.1	6.54	64.6	6.68	61.7	6.40	58.8	5.85
	40	115.6	73.9	7.59	69.9	7.04	66.1	6.46	64.6	6.14	61.7	5.85	58.8	5.63
		144.5	73.9	7.52	69.9	6.97	66.1	6.40	64.6	6.14	61.7	5.85	58.8	5.56
		289.0	73.9	7.23	69.9	6.68	66.1	6.14	64.6	6.14	61.7	5.85	58.8	5.30
		361.3	73.9	7.23	69.9	6.68	66.1	6.14	64.6	5.85	61.7	5.56	58.8	5.30
		433.5	73.9	7.23	69.9	6.68	66.1	6.14	64.6	5.70	61.7	5.42	58.8	5.30
	45	115.6	73.9	7.04	69.9	6.46	66.1	5.99	64.6	5.24	61.7	5.30	58.8	5.09
		144.5	73.9	6.97	69.9	6.40	66.1	5.85	64.6	5.30	61.7	5.30	58.8	5.01
		289.0	73.9	6.68	69.9	6.14	66.1	5.30	64.6	5.56	61.7	5.30	58.8	4.72
		361.3	73.9	6.68	69.9	6.14	66.1	5.56	64.6	5.01	61.7	4.72	58.8	4.72
		433.5	73.9	6.68	69.9	6.14	66.1	5.69	64.6	4.74	61.7	4.43	58.8	4.72
60	-5	115.6	25.4	8.17	23.8	7.86	22.5	7.55	22.3	7.02	22.2	6.91	21.7	6.17
		144.5	26.3	8.36	24.6	8.04	23.3	7.72	23.0	7.17	22.9	7.06	22.5	6.31
		289.0	29.8	9.08	27.9	8.73	26.4	8.38	26.1	7.78	26.0	7.66	25.5	6.86
		361.3	32.9	9.77	30.8	9.42	29.2	9.05	28.8	8.41	28.7	8.27	28.1	7.38
		433.5	34.4	10.12	32.2	9.77	30.6	9.38	30.2	8.73	30.1	8.57	29.5	7.64

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	115.6	45.4	11.98	41.9	11.55	39.1	11.06	38.3	10.28	37.8	10.14	36.4	9.05
		144.5	45.7	12.01	42.1	11.58	39.3	11.09	38.5	10.31	38.0	10.17	36.6	9.08
		289.0	46.8	12.16	43.1	11.70	40.3	11.24	39.4	10.43	38.9	10.29	37.4	9.16
		361.3	47.5	12.16	43.8	11.70	40.9	11.24	40.0	10.43	39.5	10.29	38.0	9.16
		433.5	47.8	12.16	44.1	11.70	41.2	11.24	40.3	10.43	39.8	10.29	38.3	9.16
	5	115.6	62.8	13.04	59.2	12.55	56.8	12.03	55.4	11.21	53.0	11.03	50.5	9.83
		144.5	62.9	13.11	59.3	12.62	56.8	12.10	55.4	11.26	53.0	11.09	50.5	9.88
		289.0	63.5	13.37	59.8	12.88	56.8	12.36	55.4	11.50	53.0	11.32	50.5	10.08
		361.3	63.5	13.48	59.7	12.96	56.8	12.45	55.4	11.58	53.0	11.38	50.5	10.17
		433.5	63.5	13.54	59.6	13.01	56.8	12.49	55.4	11.63	53.0	11.41	50.5	10.21
	10	115.6	63.1	11.99	59.4	11.47	56.8	10.92	55.4	10.20	53.0	10.00	50.5	8.97
		144.5	63.2	11.99	59.5	11.47	56.8	10.92	55.4	10.23	53.0	10.00	50.5	8.99
		289.0	63.5	11.99	59.8	11.47	56.8	10.92	55.4	10.34	53.0	9.97	50.5	9.08
		361.3	63.5	12.01	59.7	11.35	56.8	10.80	55.4	10.23	53.0	9.88	50.5	8.99
		433.5	63.5	12.03	59.6	11.29	56.8	10.75	55.4	10.17	53.0	9.84	50.5	8.95
	15	115.6	63.5	10.93	59.7	10.39	56.8	9.80	55.4	9.19	53.0	8.97	50.5	8.07
		144.5	63.5	10.86	59.7	10.31	56.8	9.74	55.4	9.19	53.0	8.90	50.5	8.07
		289.0	63.5	10.57	59.7	10.03	56.8	9.48	55.4	9.19	53.0	8.64	50.5	8.07
		361.3	63.5	10.57	59.7	9.74	56.8	9.19	55.4	8.90	53.0	8.36	50.5	7.81
		433.5	63.5	10.57	59.7	9.59	56.8	9.05	55.4	8.76	53.0	8.21	50.5	7.68
	20	115.6	63.5	9.55	59.7	8.97	56.8	8.43	55.4	8.13	53.0	7.88	50.5	7.30
		144.5	63.5	9.48	59.7	8.90	56.8	8.36	55.4	8.07	53.0	7.81	50.5	7.23
		289.0	63.5	9.19	59.7	8.64	56.8	8.07	55.4	7.81	53.0	7.52	50.5	6.97
		361.3	63.5	9.19	59.7	8.64	56.8	8.07	55.4	7.81	53.0	7.52	50.5	6.97
		433.5	63.5	9.19	59.7	8.64	56.8	8.07	55.4	7.81	53.0	7.52	50.5	6.97
	25	115.6	63.5	8.43	59.7	7.88	56.8	7.23	55.4	7.30	53.0	6.68	50.5	6.46
		144.5	63.5	8.36	59.7	7.81	56.8	7.23	55.4	7.23	53.0	6.68	50.5	6.40
		289.0	63.5	8.07	59.7	7.52	56.8	7.23	55.4	6.97	53.0	6.68	50.5	6.14
		361.3	63.5	8.07	59.7	7.52	56.8	6.97	55.4	6.97	53.0	6.68	50.5	6.14
		433.5	63.5	8.07	59.7	7.52	56.8	6.84	55.4	6.97	53.0	6.68	50.5	6.14
	30	115.6	63.5	7.59	59.7	7.04	56.8	6.76	55.4	6.46	53.0	6.21	50.5	5.92
		144.5	63.5	7.52	59.7	6.97	56.8	6.68	55.4	6.40	53.0	6.14	50.5	5.85
		289.0	63.5	7.23	59.7	6.68	56.8	6.40	55.4	6.14	53.0	5.85	50.5	5.56
		361.3	63.5	7.23	59.7	6.68	56.8	6.40	55.4	6.14	53.0	5.85	50.5	5.56
		433.5	63.5	7.23	59.7	6.68	56.8	6.40	55.4	6.14	53.0	5.85	50.5	5.56
	35	115.6	63.5	6.68	59.7	6.46	56.8	5.85	55.4	5.92	53.0	5.63	50.5	5.37
		144.5	63.5	6.68	59.7	6.40	56.8	5.85	55.4	5.85	53.0	5.56	50.5	5.30
		289.0	63.5	6.68	59.7	6.14	56.8	5.85	55.4	5.56	53.0	5.30	50.5	5.01
		361.3	63.5	6.68	59.7	6.14	56.8	5.56	55.4	5.56	53.0	5.30	50.5	5.01
		433.5	63.5	6.68	59.7	6.14	56.8	5.42	55.4	5.56	53.0	5.30	50.5	5.01
	40	115.6	63.5	6.14	59.7	5.92	56.8	5.30	55.4	5.37	53.0	5.09	50.5	4.72
		144.5	63.5	6.14	59.7	5.85	56.8	5.30	55.4	5.30	53.0	5.01	50.5	4.72
		289.0	63.5	6.14	59.7	5.56	56.8	5.30	55.4	5.01	53.0	4.72	50.5	4.72
		361.3	63.5	6.14	59.7	5.56	56.8	5.30	55.4	5.01	53.0	4.72	50.5	4.72
		433.5	63.5	6.14	59.7	5.56	56.8	5.30	55.4	5.01	53.0	4.72	50.5	4.72
	45	115.6	63.5	5.56	59.7	5.37	56.8	4.72	55.4	4.79	53.0	4.54	50.5	4.10
		144.5	63.5	5.56	59.7	5.30	56.8	4.72	55.4	4.72	53.0	4.47	50.5	4.18
		289.0	63.5	5.56	59.7	5.01	56.8	4.72	55.4	4.47	53.0	4.18	50.5	4.47
		361.3	63.5	5.56	59.7	5.01	56.8	5.01	55.4	4.47	53.0	4.18	50.5	4.47
		433.5	63.5	5.56	59.7	5.01	56.8	5.16	55.4	4.47	53.0	4.18	50.5	4.47
50	-5	115.6	21.2	6.52	19.9	6.17	18.8	5.84	18.5	5.52	18.4	5.18	18.1	4.91
		144.5	21.9	6.66	20.6	6.31	19.4	5.96	19.2	5.65	19.1	5.30	18.7	5.01
		289.0	24.7	7.20	23.2	6.86	22.0	6.45	21.7	6.14	21.6	5.76	21.2	5.42
		361.3	27.3	7.78	25.7	7.38	24.3	6.97	24.0	6.63	23.8	6.19	23.5	5.85
		433.5	28.7	8.07	26.9	7.64	25.4	7.23	25.2	6.87	24.9	6.41	24.6	6.07
	0	115.6	37.8	9.54	35.0	9.05	32.5	8.53	31.8	8.10	31.4	7.61	30.2	7.18
		144.5	38.0	9.57	35.2	9.08	32.7	8.56	32.0	8.12	31.6	7.63	30.4	7.20
		289.0	38.9	9.65	36.0	9.16	33.5	8.67	32.8	8.24	32.3	7.72	31.1	7.29
		361.3	39.5	9.65	36.5	9.16	33.9	8.67	33.3	8.24	32.8	7.72	31.6	7.29
		433.5	39.8	9.65	36.7	9.16	34.2	8.67	33.6	8.24	33.0	7.72	31.9	7.29
	5	115.6	52.2	10.38	49.5	9.83	47.2	9.28	46.1	8.83	44.0	8.29	42.0	7.79
		144.5	52.3	10.43	49.6	9.88	47.2	9.33	46.1	8.87	44.0	8.33	42.0	7.84
		289.0	52.7	10.63	49.9	10.08	47.3	9.54	46.1	9.05	44.0	8.47	42.0	8.01
		361.3	52.7	10.72	49.8	10.17	47.3	9.59	46.1	9.10	44.0	8.56	42.0	8.07
		433.5	52.7	10.76	49.8	10.21	47.3	9.62	46.1	9.13	44.0	8.60	42.0	8.10

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(30HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	115.6	52.5	9.55	49.6	9.00	47.2	8.46	46.1	8.08	44.0	7.47	42.0	7.13
		144.5	52.6	9.54	49.7	8.99	47.2	8.44	46.1	8.07	44.0	7.49	42.0	7.12
		289.0	52.7	9.48	49.9	8.96	47.3	8.38	46.1	8.01	44.0	7.58	42.0	7.06
		361.3	52.7	9.54	49.8	8.99	47.3	8.41	46.1	8.04	44.0	7.46	42.0	7.09
		433.5	52.7	9.57	49.8	9.00	47.3	8.43	46.1	8.05	44.0	7.40	42.0	7.10
	15	115.6	52.7	8.72	49.8	8.13	47.3	7.59	46.1	7.30	44.0	6.68	42.0	6.46
		144.5	52.7	8.64	49.8	8.07	47.3	7.52	46.1	7.23	44.0	6.68	42.0	6.40
		289.0	52.7	8.36	49.8	7.81	47.3	7.23	46.1	6.97	44.0	6.68	42.0	6.14
		361.3	52.7	8.36	49.8	7.81	47.3	7.23	46.1	6.97	44.0	6.40	42.0	6.14
		433.5	52.7	8.36	49.8	7.81	47.3	7.23	46.1	6.97	44.0	6.25	42.0	6.14
	20	115.6	52.7	7.59	49.8	7.04	47.3	6.76	46.1	6.46	44.0	6.21	42.0	5.56
		144.5	52.7	7.52	49.8	6.97	47.3	6.68	46.1	6.40	44.0	6.14	42.0	5.56
		289.0	52.7	7.23	49.8	6.68	47.3	6.40	46.1	6.14	44.0	5.85	42.0	5.56
		361.3	52.7	7.23	49.8	6.68	47.3	6.40	46.1	6.14	44.0	5.85	42.0	5.56
		433.5	52.7	7.23	49.8	6.68	47.3	6.40	46.1	6.14	44.0	5.85	42.0	5.56
	25	115.6	52.7	6.76	49.8	6.14	47.3	5.92	46.1	5.56	44.0	5.30	42.0	5.01
		144.5	52.7	6.68	49.8	6.14	47.3	5.85	46.1	5.56	44.0	5.30	42.0	5.01
		289.0	52.7	6.40	49.8	6.14	47.3	5.56	46.1	5.56	44.0	5.30	42.0	5.01
		361.3	52.7	6.40	49.8	6.14	47.3	5.56	46.1	5.56	44.0	5.30	42.0	5.01
		433.5	52.7	6.40	49.8	6.14	47.3	5.56	46.1	5.56	44.0	5.30	42.0	5.01
	30	115.6	52.7	6.21	49.8	5.63	47.3	5.37	46.1	5.01	44.0	5.09	42.0	4.79
		144.5	52.7	6.14	49.8	5.56	47.3	5.30	46.1	5.01	44.0	5.01	42.0	4.72
		289.0	52.7	5.85	49.8	5.30	47.3	5.01	46.1	5.01	44.0	4.72	42.0	4.47
		361.3	52.7	5.85	49.8	5.30	47.3	5.01	46.1	5.01	44.0	4.72	42.0	4.47
		433.5	52.7	5.85	49.8	5.30	47.3	5.01	46.1	5.01	44.0	4.72	42.0	4.47
	35	115.6	52.7	5.63	49.8	5.01	47.3	4.72	46.1	4.79	44.0	4.47	42.0	4.18
		144.5	52.7	5.56	49.8	5.01	47.3	4.72	46.1	4.72	44.0	4.47	42.0	4.18
		289.0	52.7	5.30	49.8	5.01	47.3	4.72	46.1	4.47	44.0	4.47	42.0	4.18
		361.3	52.7	5.30	49.8	5.01	47.3	4.72	46.1	4.47	44.0	4.47	42.0	4.18
		433.5	52.7	5.30	49.8	5.01	47.3	4.72	46.1	4.47	44.0	4.47	42.0	4.18
	40	115.6	52.7	5.09	49.8	4.79	47.3	4.54	46.1	4.18	44.0	4.25	42.0	3.89
		144.5	52.7	5.01	49.8	4.72	47.3	4.47	46.1	4.18	44.0	4.18	42.0	3.89
		289.0	52.7	4.72	49.8	4.47	47.3	4.18	46.1	4.18	44.0	3.89	42.0	3.89
		361.3	52.7	4.72	49.8	4.47	47.3	4.18	46.1	4.18	44.0	3.89	42.0	3.89
		433.5	52.7	4.72	49.8	4.47	47.3	4.18	46.1	4.18	44.0	3.89	42.0	3.89
	45	115.6	52.7	4.54	49.8	4.61	47.3	4.32	46.1	3.56	44.0	4.03	42.0	3.63
		144.5	52.7	4.47	49.8	4.47	47.3	4.18	46.1	3.63	44.0	3.89	42.0	3.63
		289.0	52.7	4.18	49.8	3.89	47.3	3.63	46.1	3.89	44.0	3.34	42.0	3.63
		361.3	52.7	4.18	49.8	3.89	47.3	3.63	46.1	3.89	44.0	3.34	42.0	3.63
		433.5	52.7	4.18	49.8	3.89	47.3	3.63	46.1	3.89	44.0	3.34	42.0	3.63

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

ARWN320LAS4

Heating Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	123.2	47.7	19.16	47.3	18.04	47.1	16.80	46.4	16.30	47.0	15.87	45.7	14.23
		154.0	49.3	19.50	48.9	18.39	48.7	17.16	48.0	16.66	48.6	16.22	47.3	14.55
		308.0	55.8	20.82	55.3	19.78	55.0	18.62	54.3	18.08	54.9	17.57	53.5	15.78
		385.0	61.7	22.15	61.1	21.14	60.8	20.07	60.0	19.53	60.8	18.96	59.2	17.01
		462.0	64.7	22.82	64.1	21.82	63.6	20.80	62.9	20.26	63.7	19.66	62.0	17.63
	0	123.2	85.2	26.21	83.3	25.43	81.5	24.60	79.7	23.91	80.0	23.25	76.3	20.82
		154.0	85.7	26.28	83.7	25.49	82.0	24.67	80.2	23.98	80.5	23.32	76.8	20.89
		308.0	87.8	26.57	85.6	25.75	83.8	24.96	82.0	24.26	82.3	23.57	78.7	21.14
		385.0	89.1	26.57	86.9	25.75	85.1	24.96	83.3	24.26	83.5	23.57	79.8	21.14
		462.0	89.7	26.57	87.6	25.75	85.8	24.96	83.9	24.26	84.2	23.57	80.4	21.14
	5	123.2	122.7	28.17	120.8	27.48	118.3	26.78	115.3	26.02	112.2	25.30	106.1	22.66
		154.0	123.1	28.30	121.1	27.61	118.3	26.91	115.3	26.16	112.2	25.43	106.1	22.78
		308.0	124.8	28.81	121.9	28.11	118.4	27.45	115.3	26.69	112.2	25.94	106.1	23.25
		385.0	125.6	29.00	122.3	28.30	118.4	27.64	115.3	26.88	112.2	26.12	106.1	23.41
		462.0	125.9	29.09	122.5	28.40	118.4	27.73	115.3	26.98	112.2	26.22	106.1	23.49
	10	123.2	122.9	25.64	120.9	24.78	118.0	24.31	114.9	23.77	111.8	22.95	105.6	20.71
		154.0	123.6	25.59	121.4	24.80	118.4	24.36	115.3	23.76	112.2	22.94	106.1	20.70
		308.0	126.5	25.40	123.7	24.89	120.3	24.55	117.2	23.73	113.9	22.88	107.7	20.63
		385.0	127.1	25.75	124.5	25.24	121.1	24.64	117.8	23.82	114.7	23.25	108.4	21.61
		462.0	127.5	25.92	124.9	25.42	121.4	24.69	118.1	23.87	115.1	23.44	108.7	22.11
	15	123.2	123.0	23.11	120.9	22.12	117.5	21.88	114.4	21.52	111.4	20.60	105.2	18.77
		154.0	124.1	22.88	121.8	22.02	118.4	21.83	115.3	21.36	112.2	20.45	106.1	18.62
		308.0	128.1	21.96	125.5	21.64	122.2	21.64	119.1	20.73	115.6	19.81	109.4	17.98
		385.0	128.7	22.50	126.7	22.15	123.7	21.64	120.3	20.73	117.2	20.38	110.7	19.81
		462.0	129.1	22.77	127.3	22.40	124.4	21.64	120.9	20.73	118.0	20.67	111.4	20.74
	20	123.2	127.7	21.20	125.4	20.21	122.1	19.77	118.7	19.14	115.3	18.71	108.4	18.14
		154.0	128.7	21.05	126.4	20.19	123.0	19.75	119.6	19.22	116.3	18.84	109.4	17.98
		308.0	132.8	20.45	130.4	20.13	126.8	19.69	123.4	19.53	120.3	19.34	113.5	17.39
		385.0	133.3	20.45	131.4	20.13	128.3	19.81	124.6	19.53	121.2	19.34	114.4	18.49
		462.0	133.6	20.45	131.8	20.13	129.0	19.88	125.2	19.53	121.7	19.34	114.9	19.05
	25	123.2	134.8	20.21	131.4	19.63	128.3	19.29	125.8	18.97	123.0	18.70	116.0	17.46
		154.0	134.8	20.13	131.4	19.59	128.3	19.22	125.8	18.90	123.0	18.62	116.0	17.39
		308.0	134.8	19.81	131.4	19.47	128.3	18.90	125.8	18.62	123.0	18.30	116.0	17.07
		385.0	134.8	19.53	131.4	18.96	128.3	18.62	125.8	18.30	123.0	17.98	116.0	16.79
		462.0	134.8	19.39	131.4	18.71	128.3	18.47	125.8	18.14	123.0	17.83	116.0	16.64
	30	123.2	134.8	19.69	131.4	18.71	128.3	18.54	125.8	18.06	123.0	17.86	116.0	16.62
		154.0	134.8	19.53	131.4	18.68	128.3	18.43	125.8	17.98	123.0	17.70	116.0	16.47
		308.0	134.8	18.90	131.4	18.55	128.3	17.98	125.8	17.70	123.0	17.07	116.0	15.87
		385.0	134.8	18.62	131.4	18.05	128.3	17.70	125.8	17.39	123.0	17.07	116.0	15.87
		462.0	134.8	18.47	131.4	17.79	128.3	17.56	125.8	17.23	123.0	17.07	116.0	15.87
	35	123.2	134.8	18.77	131.4	18.15	128.3	17.78	125.8	17.14	123.0	16.55	116.0	15.39
		154.0	134.8	18.62	131.4	18.05	128.3	17.70	125.8	17.07	123.0	16.47	116.0	15.24
		308.0	134.8	17.98	131.4	17.64	128.3	17.39	125.8	16.79	123.0	16.15	116.0	14.64
		385.0	134.8	17.98	131.4	17.45	128.3	17.07	125.8	16.47	123.0	15.87	116.0	14.64
		462.0	134.8	17.98	131.4	17.35	128.3	16.91	125.8	16.31	123.0	15.73	116.0	14.64
	40	123.2	134.8	18.14	131.4	17.56	128.3	17.22	125.8	16.62	123.0	16.03	116.0	14.48
		154.0	134.8	17.98	131.4	17.45	128.3	17.07	125.8	16.47	123.0	15.87	116.0	14.32
		308.0	134.8	17.39	131.4	17.01	128.3	16.47	125.8	15.87	123.0	15.24	116.0	13.73
		385.0	134.8	17.07	131.4	16.72	128.3	16.47	125.8	15.87	123.0	15.24	116.0	13.73
		462.0	134.8	16.91	131.4	16.58	128.3	16.47	125.8	15.87	123.0	15.24	116.0	13.73
	45	123.2	134.8	17.54	131.4	16.96	128.3	16.70	125.8	16.10	123.0	15.47	116.0	13.56
		154.0	134.8	17.39	131.4	16.85	128.3	16.47	125.8	15.87	123.0	15.24	116.0	13.41
		308.0	134.8	16.79	131.4	16.41	128.3	15.56	125.8	14.96	123.0	14.32	116.0	12.81
		385.0	134.8	16.15	131.4	16.00	128.3	15.87	125.8	15.24	123.0	14.64	116.0	12.81
		462.0	134.8	15.84	131.4	15.79	128.3	16.03	125.8	15.38	123.0	14.80	116.0	12.81
120	-5	123.2	45.3	19.16	45.0	18.04	44.7	16.80	44.1	16.09	44.5	15.62	43.3	13.98
		154.0	46.9	19.50	46.5	18.39	46.2	17.16	45.7	16.44	46.0	15.97	44.8	14.29
		308.0	53.1	20.82	52.6	19.78	52.3	18.62	51.7	17.83	52.1	17.32	50.7	15.52
		385.0	58.6	22.15	58.1	21.14	57.8	20.07	57.1	19.25	57.6	18.68	56.0	16.72
		462.0	61.4	22.82	60.9	21.82	60.5	20.80	59.8	19.96	60.3	19.36	58.6	17.33
	0	123.2	81.0	26.21	79.0	25.43	77.4	24.60	75.8	23.56	75.8	22.91	72.3	20.48
		154.0	81.5	26.28	79.5	25.49	77.8	24.67	76.2	23.63	76.2	22.97	72.8	20.54
		308.0	83.4	26.57	81.4	25.75	79.7	24.96	78.0	23.92	78.0	23.22	74.5	20.79
		385.0	84.7	26.57	82.7	25.75	80.9	24.96	79.2	23.92	79.1	23.22	75.7	20.79
		462.0	85.3	26.57	83.4	25.75	81.5	24.96	79.8	23.92	79.7	23.22	76.2	20.79

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	123.2	116.8	28.17	115.0	27.48	112.5	26.78	109.8	25.64	106.3	24.92	100.5	22.32
		154.0	117.2	28.30	115.2	27.61	112.5	26.91	109.8	25.78	106.3	25.05	100.5	22.43
		308.0	118.9	28.81	116.1	28.11	112.5	27.45	109.8	26.31	106.3	25.56	100.5	22.88
		385.0	119.6	29.00	115.4	28.30	112.5	27.64	109.8	26.50	106.3	25.75	100.5	23.03
		462.0	119.9	29.09	115.1	28.40	112.5	27.73	109.8	26.60	106.3	25.84	100.5	23.11
	10	123.2	117.2	25.31	115.0	24.61	112.2	24.11	109.5	23.38	106.0	22.61	100.3	20.33
		154.0	117.8	25.40	115.5	24.71	112.5	24.20	109.8	23.41	106.3	22.59	100.5	20.35
		308.0	119.9	25.75	117.4	25.08	113.7	24.55	111.0	23.54	107.5	22.53	101.6	20.45
		385.0	120.6	25.65	117.0	25.08	114.2	24.64	111.5	23.63	107.9	22.62	102.0	21.14
		462.0	120.9	25.60	116.8	25.08	114.4	24.69	111.7	23.68	108.2	22.67	102.3	21.49
	15	123.2	117.6	22.45	115.2	21.79	111.9	21.45	109.2	21.12	105.8	20.28	100.0	18.38
		154.0	118.2	22.50	115.9	21.83	112.5	21.49	109.8	21.05	106.3	20.13	100.5	18.30
		308.0	121.0	22.69	118.7	22.02	115.1	21.64	112.2	20.73	108.5	19.53	102.7	17.98
		385.0	121.6	22.34	118.6	21.83	116.0	21.64	113.2	20.73	109.4	19.53	103.6	19.22
		462.0	121.9	22.16	118.6	21.74	116.5	21.64	113.6	20.73	109.9	19.53	104.1	19.84
	20	123.2	120.8	20.19	118.6	19.33	115.0	18.82	111.8	18.54	108.2	18.32	102.3	17.39
		154.0	121.6	20.19	119.3	19.40	115.6	18.90	112.5	18.62	108.9	18.30	103.0	17.32
		308.0	124.7	20.19	122.1	19.69	118.1	19.22	115.3	18.90	111.6	18.24	105.4	17.07
		385.0	125.3	20.00	122.0	19.53	119.1	19.22	116.0	18.90	112.2	18.30	106.1	17.70
		462.0	125.6	19.91	121.9	19.45	119.6	19.22	116.3	18.90	112.6	18.33	106.4	18.02
	25	123.2	126.7	19.10	123.0	18.21	119.1	17.86	116.6	17.46	113.5	17.14	107.3	15.95
		154.0	126.8	19.03	123.0	18.17	119.1	17.83	116.6	17.39	113.5	17.07	107.3	15.87
		308.0	127.1	18.74	123.0	18.05	119.1	17.70	116.6	17.07	113.5	16.79	107.3	15.56
		385.0	127.4	18.05	123.0	17.57	119.1	17.39	116.6	17.07	113.5	16.47	107.3	15.56
		462.0	127.6	17.70	123.0	17.34	119.1	17.23	116.6	17.07	113.5	16.31	107.3	15.56
	30	123.2	127.4	18.26	123.0	17.36	119.1	16.87	116.6	16.23	113.5	16.03	107.3	14.72
		154.0	127.4	18.11	123.0	17.26	119.1	16.79	116.6	16.15	113.5	15.87	107.3	14.64
		308.0	127.4	17.51	123.0	16.85	119.1	16.47	116.6	15.87	113.5	15.24	107.3	14.32
		385.0	127.4	16.94	123.0	16.47	119.1	16.15	116.6	15.87	113.5	15.24	107.3	14.04
		462.0	127.4	16.66	123.0	16.28	119.1	16.00	116.6	15.87	113.5	15.24	107.3	13.90
	35	123.2	127.4	17.44	123.0	16.50	119.1	16.03	116.6	15.39	113.5	14.79	107.3	13.48
		154.0	127.4	17.20	123.0	16.34	119.1	15.87	116.6	15.24	113.5	14.64	107.3	13.41
		308.0	127.4	16.22	123.0	15.74	119.1	15.24	116.6	14.64	113.5	14.04	107.3	13.13
		385.0	127.4	16.03	123.0	15.62	119.1	15.24	116.6	14.64	113.5	14.04	107.3	12.81
		462.0	127.4	15.93	123.0	15.55	119.1	15.24	116.6	14.64	113.5	14.04	107.3	12.65
	40	123.2	127.4	16.92	123.0	15.74	119.1	15.11	116.6	14.48	113.5	13.88	107.3	12.57
		154.0	127.4	16.60	123.0	15.56	119.1	14.96	116.6	14.32	113.5	13.73	107.3	12.49
		308.0	127.4	15.30	123.0	14.83	119.1	14.32	116.6	13.73	113.5	13.13	107.3	12.21
		385.0	127.4	15.11	123.0	14.64	119.1	14.32	116.6	13.73	113.5	13.13	107.3	11.90
		462.0	127.4	15.02	123.0	14.54	119.1	14.32	116.6	13.73	113.5	13.13	107.3	11.74
	45	123.2	127.4	16.40	123.0	14.98	119.1	14.20	116.6	13.56	113.5	12.96	107.3	11.65
		154.0	127.4	16.00	123.0	14.77	119.1	14.04	116.6	13.41	113.5	12.81	107.3	11.58
		308.0	127.4	14.39	123.0	13.91	119.1	13.41	116.6	12.81	113.5	12.21	107.3	11.30
		385.0	127.4	14.20	123.0	13.66	119.1	13.41	116.6	12.81	113.5	12.21	107.3	10.98
		462.0	127.4	14.10	123.0	13.53	119.1	13.41	116.6	12.81	113.5	12.21	107.3	10.82
110	-5	123.2	42.9	19.42	42.6	18.04	42.3	16.80	41.9	16.09	42.0	15.62	41.1	13.98
		154.0	44.4	19.75	44.1	18.39	43.8	17.16	43.3	16.44	43.4	15.97	42.5	14.29
		308.0	50.2	21.08	49.9	19.78	49.6	18.62	49.0	17.83	49.0	17.32	48.1	15.52
		385.0	55.4	22.43	55.0	21.14	54.8	20.07	54.2	19.25	54.2	18.68	53.1	16.72
		462.0	58.1	23.12	57.6	21.82	57.4	20.80	56.8	19.96	56.8	19.36	55.6	17.33
	0	123.2	76.6	26.57	74.9	25.43	73.4	24.60	72.0	23.56	71.3	22.91	68.6	20.48
		154.0	77.1	26.63	75.4	25.49	73.8	24.67	72.4	23.63	71.7	22.97	69.0	20.54
		308.0	78.9	26.88	77.2	25.75	75.5	24.96	74.1	23.92	73.4	23.22	70.6	20.79
		385.0	80.1	26.88	78.4	25.75	76.7	24.96	75.2	23.92	74.5	23.22	71.6	20.79
		462.0	80.7	26.88	79.0	25.75	77.3	24.96	75.8	23.92	75.1	23.22	72.2	20.79
	5	123.2	111.8	28.55	109.1	27.48	106.6	26.78	104.2	25.64	100.1	24.92	95.3	22.32
		154.0	112.1	28.68	109.3	27.61	106.6	26.91	104.2	25.78	100.1	25.05	95.3	22.43
		308.0	113.6	29.19	110.2	28.11	106.7	27.45	104.2	26.31	100.1	25.56	95.3	22.88
		385.0	114.3	29.37	110.5	28.30	106.7	27.64	104.2	26.50	100.1	25.75	95.3	23.03
		462.0	114.6	29.47	110.6	28.40	106.7	27.73	104.2	26.60	100.1	25.84	95.3	23.11
	10	123.2	112.2	25.60	109.4	24.73	106.4	24.19	104.0	23.38	100.0	22.61	95.1	20.33
		154.0	112.6	25.65	109.7	24.80	106.6	24.26	104.2	23.41	100.1	22.59	95.3	20.35
		308.0	114.3	25.84	110.8	25.08	107.3	24.55	104.8	23.54	100.8	22.53	95.7	20.45
		385.0	115.0	25.84	111.3	25.08	107.6	24.48	105.0	23.47	101.0	22.62	96.0	20.67
		462.0	115.3	25.84	111.5	25.08	107.8	24.45	105.1	23.44	101.1	22.67	96.2	20.78

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	123.2	112.5	22.65	109.6	22.02	106.4	21.64	103.9	21.12	99.8	20.28	95.0	18.38
		154.0	113.0	22.62	110.0	22.02	106.7	21.64	104.2	21.05	100.1	20.13	95.3	18.30
		308.0	114.9	22.50	111.6	22.02	107.9	21.64	105.4	20.73	101.5	19.53	96.2	17.98
		385.0	115.5	22.34	112.1	21.83	108.5	21.36	105.8	20.45	101.7	19.53	96.8	18.30
		462.0	115.9	22.26	112.4	21.74	108.8	21.22	106.0	20.30	101.9	19.53	97.1	18.46
	20	123.2	114.6	19.55	111.5	19.09	107.9	18.62	105.0	18.30	101.1	17.78	95.8	16.63
		154.0	115.2	19.59	111.9	19.09	108.2	18.62	105.4	18.30	101.5	17.70	96.2	16.60
		308.0	117.7	19.75	113.4	19.09	109.4	18.62	107.0	18.30	102.7	17.39	97.7	16.47
		385.0	118.3	19.75	114.3	19.09	110.1	18.62	107.3	17.98	103.2	17.39	98.0	16.47
		462.0	118.7	19.75	114.8	19.09	110.4	18.62	107.4	17.83	103.5	17.39	98.1	16.47
	25	123.2	118.2	17.80	114.7	17.14	110.1	16.87	107.6	16.23	103.9	15.63	98.4	14.32
		154.0	118.4	17.76	114.7	17.07	110.1	16.79	107.6	16.15	103.9	15.56	98.4	14.32
		308.0	119.4	17.64	114.7	16.79	110.1	16.47	107.6	15.87	103.9	15.24	98.4	14.32
		385.0	119.9	17.64	114.7	16.85	110.1	16.15	107.6	15.87	103.9	14.96	98.4	14.04
		462.0	120.2	17.64	114.7	16.88	110.1	16.00	107.6	15.87	103.9	14.81	98.4	13.90
	30	123.2	119.9	16.23	114.7	15.63	110.1	15.04	107.6	14.72	103.9	13.80	98.4	12.89
		154.0	119.9	16.15	114.7	15.56	110.1	14.96	107.6	14.64	103.9	13.73	98.4	12.81
		308.0	119.9	15.87	114.7	15.24	110.1	14.64	107.6	14.32	103.9	13.41	98.4	12.49
		385.0	119.9	15.74	114.7	14.96	110.1	14.32	107.6	14.04	103.9	13.41	98.4	12.49
		462.0	119.9	15.68	114.7	14.81	110.1	14.17	107.6	13.90	103.9	13.41	98.4	12.49
	35	123.2	119.9	15.39	114.7	14.40	110.1	13.80	107.6	13.21	103.9	12.57	98.4	11.65
		154.0	119.9	15.24	114.7	14.32	110.1	13.73	107.6	13.13	103.9	12.49	98.4	11.58
		308.0	119.9	14.64	114.7	14.04	110.1	13.41	107.6	12.81	103.9	12.21	98.4	11.30
		385.0	119.9	14.26	114.7	13.73	110.1	13.13	107.6	12.81	103.9	12.21	98.4	11.30
		462.0	119.9	14.07	114.7	13.57	110.1	12.98	107.6	12.81	103.9	12.21	98.4	11.30
	40	123.2	119.9	14.48	114.7	13.88	110.1	12.96	107.6	12.29	103.9	11.65	98.4	10.74
		154.0	119.9	14.32	114.7	13.73	110.1	12.81	107.6	12.21	103.9	11.58	98.4	10.66
		308.0	119.9	13.73	114.7	13.13	110.1	12.21	107.6	11.90	103.9	11.30	98.4	10.38
		385.0	119.9	13.54	114.7	12.81	110.1	12.21	107.6	11.58	103.9	10.98	98.4	10.07
		462.0	119.9	13.44	114.7	12.65	110.1	12.21	107.6	11.42	103.9	10.82	98.4	9.91
	45	123.2	119.9	13.56	114.7	13.36	110.1	12.13	107.6	11.38	103.9	10.74	98.4	9.82
		154.0	119.9	13.41	114.7	13.13	110.1	11.90	107.6	11.30	103.9	10.66	98.4	9.75
		308.0	119.9	12.81	114.7	12.21	110.1	10.98	107.6	10.98	103.9	10.38	98.4	9.47
		385.0	119.9	12.81	114.7	11.90	110.1	11.30	107.6	10.38	103.9	9.75	98.4	8.83
		462.0	119.9	12.81	114.7	11.74	110.1	11.45	107.6	10.08	103.9	9.43	98.4	8.52
100	-5	123.2	40.5	19.42	40.2	18.30	40.1	16.80	39.7	16.09	39.3	15.37	38.6	13.98
		154.0	41.9	19.75	41.6	18.65	41.4	17.16	41.1	16.44	40.7	15.71	39.9	14.29
		308.0	47.4	21.08	47.2	20.04	46.9	18.62	46.4	17.83	46.0	17.07	45.3	15.52
		385.0	52.4	22.43	52.0	21.42	51.8	20.07	51.3	19.25	50.9	18.39	50.0	16.72
		462.0	54.9	23.12	54.5	22.12	54.2	20.80	53.7	19.96	53.4	19.06	52.3	17.33
	0	123.2	72.4	26.57	70.8	25.78	69.4	24.60	68.1	23.56	66.9	22.56	64.6	20.48
		154.0	72.9	26.63	71.3	25.84	69.8	24.67	68.5	23.63	67.3	22.62	65.0	20.54
		308.0	74.5	26.88	73.0	26.09	71.4	24.96	70.1	23.92	68.9	22.88	66.5	20.79
		385.0	75.7	26.88	74.1	26.09	72.5	24.96	71.2	23.92	70.0	22.88	67.5	20.79
		462.0	76.2	26.88	74.6	26.09	73.0	24.96	71.7	23.92	70.5	22.88	68.0	20.79
	5	123.2	106.9	28.55	103.3	27.86	100.7	26.78	98.6	25.64	94.0	24.55	89.6	22.32
		154.0	107.3	28.68	103.5	27.99	100.7	26.91	98.6	25.78	94.0	24.67	89.6	22.43
		308.0	108.8	29.19	104.3	28.49	100.8	27.45	98.6	26.31	94.0	25.18	89.6	22.88
		385.0	109.4	29.37	104.6	28.68	100.8	27.64	98.6	26.50	94.0	25.34	89.6	23.03
		462.0	109.8	29.47	104.7	28.78	100.8	27.73	98.6	26.60	94.0	25.42	89.6	23.11
	10	123.2	107.5	25.53	103.7	24.97	100.8	24.19	98.6	23.38	94.0	22.22	89.6	20.33
		154.0	107.7	25.65	103.8	25.05	100.8	24.26	98.6	23.41	94.0	22.24	89.6	20.35
		308.0	108.8	26.12	104.4	25.37	100.8	24.55	98.6	23.54	94.0	22.34	89.6	20.45
		385.0	109.5	26.03	104.8	25.37	100.8	24.48	98.6	23.47	94.0	22.28	89.6	20.35
		462.0	109.9	25.98	105.1	25.37	100.8	24.45	98.6	23.44	94.0	22.24	89.6	20.30
	15	123.2	108.1	22.51	104.1	22.13	100.8	21.64	98.6	21.12	94.0	19.89	89.6	18.38
		154.0	108.2	22.62	104.2	22.15	100.8	21.64	98.6	21.05	94.0	19.81	89.6	18.30
		308.0	108.8	23.06	104.5	22.21	100.8	21.64	98.6	20.73	94.0	19.53	89.6	17.98
		385.0	109.7	22.69	105.0	22.02	100.8	21.36	98.6	20.45	94.0	19.22	89.6	17.70
		462.0	110.2	22.49	105.3	21.93	100.8	21.22	98.6	20.30	94.0	19.06	89.6	17.56
	20	123.2	108.6	19.25	104.7	18.76	100.8	18.30	98.6	18.06	94.0	16.87	89.6	16.03
		154.0	109.1	19.34	104.7	18.77	100.8	18.30	98.6	17.98	94.0	16.79	89.6	15.87
		308.0	110.6	19.69	105.0	18.84	100.8	18.30	98.6	17.70	94.0	16.47	89.6	15.24
		385.0	111.3	19.34	106.0	18.68	100.8	17.98	98.6	17.39	94.0	16.15	89.6	14.96
		462.0	111.6	19.17	106.4	18.60	100.8	17.83	98.6	17.23	94.0	16.00	89.6	14.81

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	123.2	110.0	16.83	106.3	16.31	100.8	15.63	98.6	15.04	94.0	14.12	89.6	12.81
		154.0	110.4	16.85	106.3	16.22	100.8	15.56	98.6	14.96	94.0	14.04	89.6	12.81
		308.0	112.0	16.91	106.3	15.87	100.8	15.24	98.6	14.64	94.0	13.73	89.6	12.81
		385.0	112.5	16.53	106.3	15.74	100.8	14.96	98.6	14.32	94.0	13.73	89.6	12.49
		462.0	112.8	16.34	106.3	15.68	100.8	14.81	98.6	14.17	94.0	13.73	89.6	12.34
	30	123.2	112.5	15.31	106.3	14.12	100.8	13.16	98.6	12.89	94.0	11.90	89.6	11.38
		154.0	112.5	15.24	106.3	14.04	100.8	13.13	98.6	12.81	94.0	11.90	89.6	11.30
		308.0	112.5	14.96	106.3	13.73	100.8	13.00	98.6	12.49	94.0	11.90	89.6	10.98
		385.0	112.5	14.64	106.3	13.73	100.8	12.81	98.6	12.49	94.0	11.58	89.6	10.98
		462.0	112.5	14.48	106.3	13.73	100.8	12.71	98.6	12.49	94.0	11.42	89.6	10.98
	35	123.2	112.5	14.20	106.3	12.96	100.8	11.61	98.6	11.38	94.0	10.74	89.6	9.82
		154.0	112.5	14.04	106.3	12.81	100.8	11.58	98.6	11.30	94.0	10.66	89.6	9.75
		308.0	112.5	13.41	106.3	12.21	100.8	11.45	98.6	10.98	94.0	10.38	89.6	9.47
		385.0	112.5	13.41	106.3	12.21	100.8	11.30	98.6	10.98	94.0	10.38	89.6	9.47
		462.0	112.5	13.41	106.3	12.21	100.8	11.22	98.6	10.98	94.0	10.38	89.6	9.47
	40	123.2	112.5	13.28	106.3	12.05	100.8	10.41	98.6	10.14	94.0	9.55	89.6	8.91
		154.0	112.5	13.13	106.3	11.90	100.8	10.38	98.6	10.07	94.0	9.47	89.6	8.83
		308.0	112.5	12.49	106.3	11.30	100.8	10.25	98.6	9.75	94.0	9.15	89.6	8.55
		385.0	112.5	12.21	106.3	11.30	100.8	10.07	98.6	9.75	94.0	9.15	89.6	8.55
		462.0	112.5	12.07	106.3	11.30	100.8	9.97	98.6	9.75	94.0	9.15	89.6	8.55
	45	123.2	112.5	12.37	106.3	11.13	100.8	9.18	98.6	8.91	94.0	8.31	89.6	7.99
		154.0	112.5	12.21	106.3	10.98	100.8	9.15	98.6	8.83	94.0	8.24	89.6	7.92
		308.0	112.5	11.58	106.3	10.38	100.8	9.02	98.6	8.55	94.0	7.92	89.6	7.64
		385.0	112.5	10.98	106.3	10.38	100.8	8.83	98.6	8.55	94.0	7.92	89.6	7.64
		462.0	112.5	10.68	106.3	10.38	100.8	8.74	98.6	8.55	94.0	7.92	89.6	7.64
90	-5	123.2	38.2	18.02	37.1	16.41	36.0	14.42	35.7	13.74	35.4	13.24	34.8	11.88
		154.0	39.6	18.33	38.4	16.72	37.2	14.73	36.9	14.04	36.7	13.54	36.0	12.15
		308.0	44.8	19.56	43.4	17.95	42.1	16.00	41.8	15.24	41.5	14.70	40.7	13.19
		385.0	49.5	20.79	47.9	19.22	46.5	17.26	46.1	16.44	45.9	15.84	45.0	14.23
		462.0	51.9	21.41	50.2	19.85	48.7	17.89	48.3	17.04	48.0	16.41	47.2	14.75
	0	123.2	68.4	24.55	65.3	23.03	62.3	21.15	61.3	20.17	60.3	19.41	58.1	17.43
		154.0	68.8	24.61	65.6	23.10	62.6	21.20	61.7	20.22	60.7	19.47	58.4	17.48
		308.0	70.4	24.86	67.1	23.35	64.1	21.42	63.1	20.45	62.1	19.69	59.8	17.67
		385.0	71.5	24.86	68.2	23.35	65.2	21.42	64.0	20.45	63.1	19.69	60.8	17.67
		462.0	72.0	24.86	68.7	23.35	65.7	21.42	64.5	20.45	63.6	19.69	61.2	17.67
	5	123.2	96.7	26.35	93.6	24.87	90.6	23.02	88.7	21.94	84.8	21.12	80.7	18.96
		154.0	96.8	26.47	93.5	24.99	90.6	23.13	88.7	22.05	84.8	21.23	80.7	19.06
		308.0	97.1	26.95	93.2	25.46	90.6	23.57	88.7	22.50	84.8	21.68	80.7	19.44
		385.0	97.7	27.10	93.5	25.62	90.6	23.76	88.7	22.65	84.8	21.83	80.7	19.59
		462.0	98.0	27.18	93.6	25.70	90.6	23.85	88.7	22.73	84.8	21.91	80.7	19.67
	10	123.2	97.2	23.27	93.9	22.13	90.6	20.83	88.7	19.98	84.8	19.17	80.7	17.27
		154.0	97.1	23.29	93.8	22.15	90.6	20.86	88.7	20.00	84.8	19.15	80.7	17.29
		308.0	97.0	23.35	93.3	22.24	90.6	20.95	88.7	20.10	84.8	19.09	80.7	17.35
		385.0	97.6	23.29	93.6	22.18	90.6	20.89	88.7	20.04	84.8	19.15	80.7	17.42
		462.0	97.9	23.25	93.7	22.15	90.6	20.86	88.7	20.00	84.8	19.18	80.7	17.45
	15	123.2	97.7	20.15	94.2	19.42	90.6	18.70	88.7	18.06	84.8	17.22	80.7	15.63
		154.0	97.5	20.07	94.0	19.34	90.6	18.62	88.7	17.98	84.8	17.07	80.7	15.56
		308.0	96.9	19.75	93.4	19.03	90.6	18.30	88.7	17.70	84.8	16.47	80.7	15.24
		385.0	97.5	19.47	93.7	18.74	90.6	17.98	88.7	17.39	84.8	16.47	80.7	15.24
		462.0	97.8	19.32	93.8	18.60	90.6	17.83	88.7	17.23	84.8	16.47	80.7	15.24
	20	123.2	98.3	17.01	94.6	16.52	90.6	15.95	88.7	15.31	84.8	14.79	80.7	13.88
		154.0	98.2	17.01	94.4	16.47	90.6	15.87	88.7	15.24	84.8	14.64	80.7	13.73
		308.0	97.8	17.01	93.7	16.28	90.6	15.56	88.7	14.96	84.8	14.04	80.7	13.13
		385.0	98.1	16.72	94.0	16.15	90.6	15.56	88.7	14.96	84.8	14.04	80.7	13.13
		462.0	98.2	16.58	94.1	16.09	90.6	15.56	88.7	14.96	84.8	14.04	80.7	13.13
	25	123.2	99.9	14.86	95.8	14.07	90.6	13.48	88.7	12.81	84.8	12.29	80.7	11.38
		154.0	100.1	14.83	95.8	14.04	90.6	13.41	88.7	12.81	84.8	12.21	80.7	11.30
		308.0	101.1	14.70	95.8	13.91	90.6	13.13	88.7	12.81	84.8	11.90	80.7	10.98
		385.0	101.5	14.32	95.8	13.60	90.6	13.13	88.7	12.49	84.8	11.90	80.7	10.98
		462.0	101.6	14.13	95.8	13.44	90.6	13.13	88.7	12.34	84.8	11.90	80.7	10.98
	30	123.2	101.5	13.48	95.8	12.57	90.6	11.65	88.7	11.38	84.8	10.74	80.7	9.75
		154.0	101.5	13.41	95.8	12.49	90.6	11.58	88.7	11.30	84.8	10.66	80.7	9.75
		308.0	101.5	13.13	95.8	12.21	90.6	11.30	88.7	10.98	84.8	10.38	80.7	9.75
		385.0	101.5	12.81	95.8	11.90	90.6	11.30	88.7	10.98	84.8	10.38	80.7	9.47
		462.0	101.5	12.65	95.8	11.74	90.6	11.30	88.7	10.98	84.8	10.38	80.7	9.32

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	123.2	101.5	12.29	95.8	11.38	90.6	10.46	88.7	10.14	84.8	9.55	80.7	8.91
		154.0	101.5	12.21	95.8	11.30	90.6	10.38	88.7	10.07	84.8	9.47	80.7	8.83
		308.0	101.5	11.90	95.8	10.98	90.6	10.07	88.7	9.75	84.8	9.15	80.7	8.55
		385.0	101.5	11.58	95.8	10.66	90.6	9.75	88.7	9.47	84.8	9.15	80.7	8.55
		462.0	101.5	11.42	95.8	10.51	90.6	9.59	88.7	9.32	84.8	9.15	80.7	8.55
	40	123.2	101.5	11.45	95.8	10.46	90.6	9.23	88.7	8.91	84.8	8.63	80.7	7.99
		154.0	101.5	11.30	95.8	10.38	90.6	9.15	88.7	8.83	84.8	8.55	80.7	7.92
		308.0	101.5	10.66	95.8	10.07	90.6	8.83	88.7	8.55	84.8	8.24	80.7	7.64
		385.0	101.5	10.66	95.8	10.07	90.6	8.83	88.7	8.55	84.8	8.24	80.7	7.64
		462.0	101.5	10.66	95.8	10.07	90.6	8.83	88.7	8.55	84.8	8.24	80.7	7.64
	45	123.2	101.5	10.61	95.8	9.55	90.6	7.99	88.7	7.72	84.8	7.72	80.7	7.08
		154.0	101.5	10.38	95.8	9.47	90.6	7.92	88.7	7.64	84.8	7.64	80.7	7.00
		308.0	101.5	9.47	95.8	9.15	90.6	7.64	88.7	7.32	84.8	7.32	80.7	6.72
		385.0	101.5	9.75	95.8	9.47	90.6	7.92	88.7	7.64	84.8	7.32	80.7	6.72
		462.0	101.5	9.89	95.8	9.62	90.6	8.06	88.7	7.79	84.8	7.32	80.7	6.72
80	-5	123.2	36.2	12.84	33.9	12.35	32.1	11.83	31.7	11.43	31.5	10.90	30.9	10.04
		154.0	37.4	13.13	35.1	12.62	33.2	12.08	32.8	11.67	32.6	11.14	32.0	10.25
		308.0	42.3	14.26	39.7	13.69	37.5	13.09	37.1	12.65	36.9	12.08	36.2	11.11
		385.0	46.8	15.37	43.8	14.77	41.4	14.14	41.0	13.66	40.8	13.03	39.9	11.99
		462.0	49.1	15.92	45.9	15.31	43.4	14.66	42.9	14.17	42.7	13.51	41.8	12.43
	0	123.2	64.6	18.84	59.6	18.09	55.5	17.34	54.4	16.74	53.7	15.95	51.6	14.69
		154.0	65.0	18.90	59.9	18.14	55.8	17.39	54.8	16.79	54.0	16.00	51.9	14.73
		308.0	66.6	19.12	61.3	18.36	57.1	17.57	56.1	16.97	55.3	16.19	53.2	14.89
		385.0	67.5	19.12	62.3	18.36	58.0	17.57	56.9	16.97	56.2	16.19	54.0	14.89
		462.0	68.0	19.12	62.7	18.36	58.5	17.57	57.3	16.97	56.6	16.19	54.4	14.89
	5	123.2	89.4	20.49	84.3	19.72	80.6	18.83	78.9	18.20	75.5	17.36	71.7	15.97
		154.0	89.5	20.60	84.5	19.81	80.6	18.93	78.9	18.30	75.5	17.45	71.7	16.06
		308.0	90.3	21.05	85.1	20.19	80.7	19.34	78.9	18.68	75.5	17.80	71.7	16.41
		385.0	90.3	21.17	85.0	20.35	80.7	19.47	78.9	18.80	75.5	17.92	71.7	16.50
		462.0	90.3	21.23	85.0	20.43	80.7	19.53	78.9	18.87	75.5	17.98	71.7	16.55
	10	123.2	89.8	18.86	84.7	18.01	80.6	17.09	78.9	16.62	75.5	15.74	71.7	14.57
		154.0	89.9	18.84	84.8	17.98	80.6	17.10	78.9	16.63	75.5	15.74	71.7	14.58
		308.0	90.3	18.74	85.1	17.89	80.7	17.13	78.9	16.66	75.5	15.78	71.7	14.61
		385.0	90.3	18.68	85.0	17.95	80.7	17.20	78.9	16.56	75.5	15.68	71.7	14.51
		462.0	90.3	18.65	85.0	17.98	80.7	17.23	78.9	16.52	75.5	15.63	71.7	14.47
	15	123.2	90.3	17.22	85.0	16.31	80.7	15.31	78.9	15.04	75.5	14.12	71.7	13.21
		154.0	90.3	17.07	85.0	16.15	80.7	15.24	78.9	14.96	75.5	14.04	71.7	13.13
		308.0	90.3	16.47	85.0	15.56	80.7	14.96	78.9	14.64	75.5	13.73	71.7	12.81
		385.0	90.3	16.15	85.0	15.56	80.7	14.96	78.9	14.32	75.5	13.41	71.7	12.49
		462.0	90.3	16.00	85.0	15.56	80.7	14.96	78.9	14.17	75.5	13.25	71.7	12.34
	20	123.2	90.3	14.40	85.0	13.80	80.7	13.13	78.9	12.89	75.5	12.29	71.7	11.38
		154.0	90.3	14.32	85.0	13.73	80.7	13.13	78.9	12.81	75.5	12.21	71.7	11.30
		308.0	90.3	14.04	85.0	13.41	80.7	13.13	78.9	12.49	75.5	11.90	71.7	10.98
		385.0	90.3	13.73	85.0	13.13	80.7	12.81	78.9	12.49	75.5	11.58	71.7	10.98
		462.0	90.3	13.57	85.0	12.98	80.7	12.65	78.9	12.49	75.5	11.42	71.7	10.98
	25	123.2	90.3	12.89	85.0	11.97	80.7	11.30	78.9	11.06	75.5	10.46	71.7	9.82
		154.0	90.3	12.81	85.0	11.90	80.7	11.30	78.9	10.98	75.5	10.38	71.7	9.75
		308.0	90.3	12.49	85.0	11.58	80.7	11.30	78.9	10.66	75.5	10.07	71.7	9.47
		385.0	90.3	12.21	85.0	11.58	80.7	10.98	78.9	10.66	75.5	10.07	71.7	9.47
		462.0	90.3	12.07	85.0	11.58	80.7	10.82	78.9	10.66	75.5	10.07	71.7	9.47
	30	123.2	90.3	11.38	85.0	10.74	80.7	10.14	78.9	9.82	75.5	9.23	71.7	8.63
		154.0	90.3	11.30	85.0	10.66	80.7	10.07	78.9	9.75	75.5	9.15	71.7	8.55
		308.0	90.3	10.98	85.0	10.38	80.7	9.75	78.9	9.47	75.5	8.83	71.7	8.24
		385.0	90.3	10.98	85.0	10.38	80.7	9.75	78.9	9.47	75.5	8.83	71.7	8.24
		462.0	90.3	10.98	85.0	10.38	80.7	9.75	78.9	9.47	75.5	8.83	71.7	8.24
	35	123.2	90.3	10.46	85.0	9.82	80.7	8.91	78.9	8.55	75.5	8.31	71.7	7.64
		154.0	90.3	10.38	85.0	9.75	80.7	8.83	78.9	8.55	75.5	8.24	71.7	7.64
		308.0	90.3	10.07	85.0	9.47	80.7	8.55	78.9	8.55	75.5	7.92	71.7	7.64
		385.0	90.3	10.07	85.0	9.15	80.7	8.55	78.9	8.24	75.5	7.92	71.7	7.32
		462.0	90.3	10.07	85.0	8.99	80.7	8.55	78.9	8.08	75.5	7.92	71.7	7.16
	40	123.2	90.3	9.90	85.0	8.91	80.7	7.92	78.9	7.99	75.5	7.32	71.7	7.08
		154.0	90.3	9.75	85.0	8.83	80.7	7.92	78.9	7.92	75.5	7.32	71.7	7.00
		308.0	90.3	9.15	85.0	8.55	80.7	7.92	78.9	7.64	75.5	7.32	71.7	6.72
		385.0	90.3	9.15	85.0	8.55	80.7	7.64	78.9	7.64	75.5	7.32	71.7	6.72
		462.0	90.3	9.15	85.0	8.55	80.7	7.49	78.9	7.64	75.5	7.32	71.7	6.72

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	123.2	90.3	9.38	85.0	7.99	80.7	6.92	78.9	7.47	75.5	6.33	71.7	6.56
		154.0	90.3	9.15	85.0	7.92	80.7	7.00	78.9	7.32	75.5	6.41	71.7	6.41
		308.0	90.3	8.24	85.0	7.64	80.7	7.32	78.9	6.72	75.5	6.72	71.7	5.81
		385.0	90.3	8.24	85.0	7.92	80.7	6.72	78.9	7.00	75.5	6.72	71.7	6.09
		462.0	90.3	8.24	85.0	8.06	80.7	6.42	78.9	7.15	75.5	6.72	71.7	6.23
70	-5	123.2	31.5	11.02	29.6	10.50	28.0	10.16	27.7	9.57	27.6	9.23	27.1	8.40
		154.0	32.6	11.26	30.7	10.73	29.0	10.38	28.7	9.78	28.5	9.43	28.0	8.58
		308.0	36.9	12.21	34.7	11.64	32.7	11.26	32.4	10.60	32.3	10.22	31.7	9.31
		385.0	40.9	13.19	38.4	12.56	36.2	12.15	35.9	11.42	35.6	11.04	35.0	10.03
		462.0	42.9	13.68	40.2	13.02	37.9	12.59	37.7	11.84	37.3	11.46	36.6	10.40
	0	123.2	56.5	16.14	52.2	15.39	48.5	14.88	47.6	14.00	46.9	13.53	45.2	12.30
		154.0	56.8	16.19	52.5	15.43	48.8	14.92	47.9	14.04	47.2	13.57	45.5	12.34
		308.0	58.1	16.38	53.7	15.59	49.9	15.11	49.0	14.20	48.3	13.73	46.5	12.46
		385.0	59.0	16.38	54.6	15.59	50.6	15.11	49.8	14.20	49.0	13.73	47.3	12.46
		462.0	59.4	16.38	55.0	15.59	51.0	15.11	50.2	14.20	49.4	13.73	47.6	12.46
	5	123.2	78.0	17.58	73.9	16.73	70.4	16.19	68.9	15.26	65.8	14.72	62.7	13.37
		154.0	78.2	17.67	74.1	16.82	70.4	16.28	68.9	15.33	65.8	14.80	62.7	13.44
		308.0	78.9	18.02	74.6	17.16	70.5	16.63	68.9	15.62	65.8	15.11	62.7	13.73
		385.0	78.9	18.14	74.5	17.29	70.5	16.75	68.9	15.74	65.8	15.21	62.7	13.82
		462.0	78.9	18.21	74.5	17.35	70.5	16.82	68.9	15.81	65.8	15.26	62.7	13.87
	10	123.2	78.4	16.19	74.2	15.30	70.5	14.73	68.9	13.91	65.8	13.35	62.7	12.21
		154.0	78.5	16.15	74.3	15.27	70.5	14.70	68.9	13.91	65.8	13.35	62.7	12.21
		308.0	78.9	16.03	74.5	15.14	70.5	14.58	68.9	13.91	65.8	13.35	62.7	12.21
		385.0	78.9	16.09	74.5	15.21	70.5	14.64	68.9	13.98	65.8	13.25	62.7	12.24
		462.0	78.9	16.12	74.5	15.24	70.5	14.67	68.9	14.01	65.8	13.20	62.7	12.26
	15	123.2	78.9	14.79	74.5	13.88	70.5	13.28	68.9	12.57	65.8	11.97	62.7	11.06
		154.0	78.9	14.64	74.5	13.73	70.5	13.13	68.9	12.49	65.8	11.90	62.7	10.98
		308.0	78.9	14.04	74.5	13.13	70.5	12.49	68.9	12.21	65.8	11.58	62.7	10.66
		385.0	78.9	14.04	74.5	13.13	70.5	12.49	68.9	12.21	65.8	11.30	62.7	10.66
		462.0	78.9	14.04	74.5	13.13	70.5	12.49	68.9	12.21	65.8	11.15	62.7	10.66
	20	123.2	78.9	12.29	74.5	11.65	70.5	11.38	68.9	11.06	65.8	10.46	62.7	9.82
		154.0	78.9	12.21	74.5	11.58	70.5	11.30	68.9	10.98	65.8	10.38	62.7	9.75
		308.0	78.9	11.90	74.5	11.30	70.5	10.98	68.9	10.66	65.8	10.07	62.7	9.47
		385.0	78.9	11.90	74.5	11.30	70.5	10.98	68.9	10.38	65.8	10.07	62.7	9.15
		462.0	78.9	11.90	74.5	11.30	70.5	10.98	68.9	10.24	65.8	10.07	62.7	8.99
	25	123.2	78.9	11.06	74.5	10.46	70.5	9.82	68.9	9.55	65.8	8.83	62.7	8.24
		154.0	78.9	10.98	74.5	10.38	70.5	9.75	68.9	9.47	65.8	8.83	62.7	8.24
		308.0	78.9	10.66	74.5	10.07	70.5	9.47	68.9	9.15	65.8	8.83	62.7	8.24
		385.0	78.9	10.38	74.5	9.75	70.5	9.47	68.9	9.15	65.8	8.55	62.7	8.24
		462.0	78.9	10.24	74.5	9.59	70.5	9.47	68.9	9.15	65.8	8.41	62.7	8.24
	30	123.2	78.9	9.82	74.5	9.23	70.5	8.63	68.9	8.24	65.8	7.99	62.7	7.32
		154.0	78.9	9.75	74.5	9.15	70.5	8.55	68.9	8.24	65.8	7.92	62.7	7.32
		308.0	78.9	9.47	74.5	8.83	70.5	8.24	68.9	8.24	65.8	7.64	62.7	7.32
		385.0	78.9	9.47	74.5	8.83	70.5	8.24	68.9	7.92	65.8	7.64	62.7	7.32
		462.0	78.9	9.47	74.5	8.83	70.5	8.24	68.9	7.76	65.8	7.64	62.7	7.32
	35	123.2	78.9	8.91	74.5	8.31	70.5	7.64	68.9	7.72	65.8	7.00	62.7	6.80
		154.0	78.9	8.83	74.5	8.24	70.5	7.64	68.9	7.64	65.8	7.00	62.7	6.72
		308.0	78.9	8.55	74.5	7.92	70.5	7.64	68.9	7.32	65.8	7.00	62.7	6.41
		385.0	78.9	8.55	74.5	7.92	70.5	7.32	68.9	7.32	65.8	7.00	62.7	6.41
		462.0	78.9	8.55	74.5	7.92	70.5	7.16	68.9	7.32	65.8	7.00	62.7	6.41
	40	123.2	78.9	8.31	74.5	7.72	70.5	7.08	68.9	6.72	65.8	6.41	62.7	6.16
		154.0	78.9	8.24	74.5	7.64	70.5	7.00	68.9	6.72	65.8	6.41	62.7	6.09
		308.0	78.9	7.92	74.5	7.32	70.5	6.72	68.9	6.72	65.8	6.41	62.7	5.81
		385.0	78.9	7.92	74.5	7.32	70.5	6.72	68.9	6.41	65.8	6.09	62.7	5.81
		462.0	78.9	7.92	74.5	7.32	70.5	6.72	68.9	6.25	65.8	5.93	62.7	5.81
	45	123.2	78.9	7.72	74.5	7.08	70.5	6.56	68.9	5.73	65.8	5.81	62.7	5.57
		154.0	78.9	7.64	74.5	7.00	70.5	6.41	68.9	5.81	65.8	5.81	62.7	5.49
		308.0	78.9	7.32	74.5	6.72	70.5	5.81	68.9	6.09	65.8	5.81	62.7	5.17
		385.0	78.9	7.32	74.5	6.72	70.5	6.09	68.9	5.49	65.8	5.17	62.7	5.17
		462.0	78.9	7.32	74.5	6.72	70.5	6.23	68.9	5.19	65.8	4.86	62.7	5.17
60	-5	123.2	27.1	8.95	25.4	8.61	24.0	8.27	23.7	7.69	23.6	7.56	23.2	6.76
		154.0	28.0	9.15	26.3	8.80	24.8	8.46	24.6	7.86	24.5	7.73	24.0	6.91
		308.0	31.8	9.94	29.7	9.56	28.1	9.18	27.8	8.52	27.8	8.39	27.2	7.51
		385.0	35.1	10.70	32.8	10.32	31.1	9.91	30.8	9.21	30.7	9.06	30.0	8.08
		462.0	36.7	11.08	34.4	10.70	32.6	10.27	32.2	9.56	32.1	9.39	31.4	8.36

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	123.2	48.5	13.12	44.7	12.65	41.7	12.11	40.8	11.26	40.3	11.11	38.8	9.91
		154.0	48.8	13.16	44.9	12.68	41.9	12.15	41.1	11.30	40.5	11.14	39.0	9.94
		308.0	49.9	13.31	45.9	12.81	42.9	12.31	42.0	11.42	41.4	11.26	39.9	10.03
		385.0	50.6	13.31	46.7	12.81	43.6	12.31	42.7	11.42	42.1	11.26	40.5	10.03
		462.0	51.0	13.31	47.1	12.81	43.9	12.31	43.0	11.42	42.4	11.26	40.8	10.03
	5	123.2	67.0	14.28	63.2	13.75	60.6	13.18	59.1	12.27	56.5	12.08	53.8	10.77
		154.0	67.1	14.36	63.3	13.82	60.6	13.25	59.1	12.34	56.5	12.15	53.8	10.82
		308.0	67.7	14.64	63.8	14.10	60.6	13.54	59.1	12.59	56.5	12.40	53.8	11.04
		385.0	67.7	14.77	63.7	14.20	60.6	13.63	59.1	12.68	56.5	12.46	53.8	11.14
		462.0	67.7	14.83	63.6	14.25	60.6	13.68	59.1	12.73	56.5	12.49	53.8	11.19
	10	123.2	67.3	13.13	63.4	12.56	60.6	11.96	59.1	11.17	56.5	10.96	53.8	9.82
		154.0	67.4	13.13	63.5	12.56	60.6	11.96	59.1	11.20	56.5	10.95	53.8	9.84
		308.0	67.7	13.13	63.8	12.56	60.6	11.96	59.1	11.33	56.5	10.92	53.8	9.94
		385.0	67.7	13.16	63.7	12.43	60.6	11.83	59.1	11.20	56.5	10.82	53.8	9.84
		462.0	67.7	13.17	63.6	12.37	60.6	11.77	59.1	11.14	56.5	10.77	53.8	9.80
	15	123.2	67.7	11.97	63.7	11.38	60.6	10.74	59.1	10.07	56.5	9.82	53.8	8.83
		154.0	67.7	11.90	63.7	11.30	60.6	10.66	59.1	10.07	56.5	9.75	53.8	8.83
		308.0	67.7	11.58	63.7	10.98	60.6	10.38	59.1	10.07	56.5	9.47	53.8	8.83
		385.0	67.7	11.58	63.7	10.66	60.6	10.07	59.1	9.75	56.5	9.15	53.8	8.55
		462.0	67.7	11.58	63.7	10.51	60.6	9.91	59.1	9.59	56.5	8.99	53.8	8.41
	20	123.2	67.7	10.46	63.7	9.82	60.6	9.23	59.1	8.91	56.5	8.63	53.8	7.99
		154.0	67.7	10.38	63.7	9.75	60.6	9.15	59.1	8.83	56.5	8.55	53.8	7.92
		308.0	67.7	10.07	63.7	9.47	60.6	8.83	59.1	8.55	56.5	8.24	53.8	7.64
		385.0	67.7	10.07	63.7	9.47	60.6	8.83	59.1	8.55	56.5	8.24	53.8	7.64
		462.0	67.7	10.07	63.7	9.47	60.6	8.83	59.1	8.55	56.5	8.24	53.8	7.64
	25	123.2	67.7	9.23	63.7	8.63	60.6	7.92	59.1	7.99	56.5	7.32	53.8	7.08
		154.0	67.7	9.15	63.7	8.55	60.6	7.92	59.1	7.92	56.5	7.32	53.8	7.00
		308.0	67.7	8.83	63.7	8.24	60.6	7.92	59.1	7.64	56.5	7.32	53.8	6.72
		385.0	67.7	8.83	63.7	8.24	60.6	7.64	59.1	7.64	56.5	7.32	53.8	6.72
		462.0	67.7	8.83	63.7	8.24	60.6	7.49	59.1	7.64	56.5	7.32	53.8	6.72
	30	123.2	67.7	8.31	63.7	7.72	60.6	7.40	59.1	7.08	56.5	6.80	53.8	6.48
		154.0	67.7	8.24	63.7	7.64	60.6	7.32	59.1	7.00	56.5	6.72	53.8	6.41
		308.0	67.7	7.92	63.7	7.32	60.6	7.00	59.1	6.72	56.5	6.41	53.8	6.09
		385.0	67.7	7.92	63.7	7.32	60.6	7.00	59.1	6.72	56.5	6.41	53.8	6.09
		462.0	67.7	7.92	63.7	7.32	60.6	7.00	59.1	6.72	56.5	6.41	53.8	6.09
	35	123.2	67.7	7.32	63.7	7.08	60.6	6.41	59.1	6.48	56.5	6.16	53.8	5.89
		154.0	67.7	7.32	63.7	7.00	60.6	6.41	59.1	6.41	56.5	6.09	53.8	5.81
		308.0	67.7	7.32	63.7	6.72	60.6	6.41	59.1	6.09	56.5	5.81	53.8	5.49
		385.0	67.7	7.32	63.7	6.72	60.6	6.09	59.1	6.09	56.5	5.81	53.8	5.49
		462.0	67.7	7.32	63.7	6.72	60.6	5.93	59.1	6.09	56.5	5.81	53.8	5.49
	40	123.2	67.7	6.72	63.7	6.48	60.6	5.81	59.1	5.89	56.5	5.57	53.8	5.17
		154.0	67.7	6.72	63.7	6.41	60.6	5.81	59.1	5.81	56.5	5.49	53.8	5.17
		308.0	67.7	6.72	63.7	6.09	60.6	5.81	59.1	5.49	56.5	5.17	53.8	5.17
		385.0	67.7	6.72	63.7	6.09	60.6	5.81	59.1	5.49	56.5	5.17	53.8	5.17
		462.0	67.7	6.72	63.7	6.09	60.6	5.81	59.1	5.49	56.5	5.17	53.8	5.17
	45	123.2	67.7	6.09	63.7	5.89	60.6	5.17	59.1	5.25	56.5	4.97	53.8	4.50
		154.0	67.7	6.09	63.7	5.81	60.6	5.17	59.1	5.17	56.5	4.89	53.8	4.58
		308.0	67.7	6.09	63.7	5.49	60.6	5.17	59.1	4.89	56.5	4.58	53.8	4.89
		385.0	67.7	6.09	63.7	5.49	60.6	5.49	59.1	4.89	56.5	4.58	53.8	4.89
		462.0	67.7	6.09	63.7	5.49	60.6	5.65	59.1	4.89	56.5	4.58	53.8	4.89
50	-5	123.2	22.6	7.14	21.2	6.76	20.0	6.40	19.8	6.05	19.7	5.68	19.3	5.38
		154.0	23.3	7.29	21.9	6.91	20.7	6.53	20.4	6.18	20.3	5.81	20.0	5.49
		308.0	26.3	7.89	24.8	7.51	23.4	7.07	23.2	6.72	23.1	6.31	22.6	5.93
		385.0	29.2	8.52	27.4	8.08	25.9	7.64	25.6	7.26	25.4	6.78	25.0	6.41
		462.0	30.6	8.84	28.7	8.36	27.1	7.92	26.8	7.53	26.6	7.02	26.3	6.64
	0	123.2	40.3	10.45	37.3	9.91	34.7	9.34	33.9	8.87	33.4	8.34	32.3	7.86
		154.0	40.5	10.48	37.5	9.94	34.9	9.37	34.1	8.90	33.7	8.36	32.4	7.89
		308.0	41.4	10.57	38.4	10.03	35.7	9.50	35.0	9.02	34.5	8.46	33.2	7.98
		385.0	42.1	10.57	38.9	10.03	36.2	9.50	35.5	9.02	35.0	8.46	33.8	7.98
		462.0	42.4	10.57	39.2	10.03	36.4	9.50	35.8	9.02	35.2	8.46	34.0	7.98
	5	123.2	55.7	11.37	52.8	10.77	50.3	10.17	49.1	9.67	47.0	9.08	44.8	8.53
		154.0	55.8	11.42	52.9	10.82	50.4	10.22	49.1	9.72	47.0	9.12	44.8	8.58
		308.0	56.3	11.64	53.3	11.04	50.4	10.44	49.1	9.91	47.0	9.28	44.8	8.77
		385.0	56.3	11.74	53.2	11.14	50.4	10.51	49.1	9.97	47.0	9.37	44.8	8.83
		462.0	56.3	11.78	53.1	11.19	50.4	10.54	49.1	10.00	47.0	9.42	44.8	8.87

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(32HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	123.2	56.0	10.46	52.9	9.85	50.3	9.26	49.1	8.85	47.0	8.18	44.8	7.81
		154.0	56.1	10.44	53.0	9.84	50.4	9.24	49.1	8.83	47.0	8.20	44.8	7.79
		308.0	56.3	10.38	53.3	9.81	50.4	9.18	49.1	8.77	47.0	8.30	44.8	7.73
		385.0	56.3	10.44	53.2	9.84	50.4	9.21	49.1	8.80	47.0	8.17	44.8	7.76
		462.0	56.3	10.48	53.1	9.86	50.4	9.23	49.1	8.82	47.0	8.11	44.8	7.78
	15	123.2	56.3	9.55	53.2	8.91	50.4	8.31	49.1	7.99	47.0	7.32	44.8	7.08
		154.0	56.3	9.47	53.2	8.83	50.4	8.24	49.1	7.92	47.0	7.32	44.8	7.00
		308.0	56.3	9.15	53.2	8.55	50.4	7.92	49.1	7.64	47.0	7.32	44.8	6.72
		385.0	56.3	9.15	53.2	8.55	50.4	7.92	49.1	7.64	47.0	7.00	44.8	6.72
		462.0	56.3	9.15	53.2	8.55	50.4	7.92	49.1	7.64	47.0	6.85	44.8	6.72
	20	123.2	56.3	8.31	53.2	7.72	50.4	7.40	49.1	7.08	47.0	6.80	44.8	6.09
		154.0	56.3	8.24	53.2	7.64	50.4	7.32	49.1	7.00	47.0	6.72	44.8	6.09
		308.0	56.3	7.92	53.2	7.32	50.4	7.00	49.1	6.72	47.0	6.41	44.8	6.09
		385.0	56.3	7.92	53.2	7.32	50.4	7.00	49.1	6.72	47.0	6.41	44.8	6.09
		462.0	56.3	7.92	53.2	7.32	50.4	7.00	49.1	6.72	47.0	6.41	44.8	6.09
	25	123.2	56.3	7.40	53.2	6.72	50.4	6.48	49.1	6.09	47.0	5.81	44.8	5.49
		154.0	56.3	7.32	53.2	6.72	50.4	6.41	49.1	6.09	47.0	5.81	44.8	5.49
		308.0	56.3	7.00	53.2	6.72	50.4	6.09	49.1	6.09	47.0	5.81	44.8	5.49
		385.0	56.3	7.00	53.2	6.72	50.4	6.09	49.1	6.09	47.0	5.81	44.8	5.49
		462.0	56.3	7.00	53.2	6.72	50.4	6.09	49.1	6.09	47.0	5.81	44.8	5.49
	30	123.2	56.3	6.80	53.2	6.16	50.4	5.89	49.1	5.49	47.0	5.57	44.8	5.25
		154.0	56.3	6.72	53.2	6.09	50.4	5.81	49.1	5.49	47.0	5.49	44.8	5.17
		308.0	56.3	6.41	53.2	5.81	50.4	5.49	49.1	5.49	47.0	5.17	44.8	4.89
		385.0	56.3	6.41	53.2	5.81	50.4	5.49	49.1	5.49	47.0	5.17	44.8	4.89
		462.0	56.3	6.41	53.2	5.81	50.4	5.49	49.1	5.49	47.0	5.17	44.8	4.89
	35	123.2	56.3	6.16	53.2	5.49	50.4	5.17	49.1	5.25	47.0	4.89	44.8	4.58
		154.0	56.3	6.09	53.2	5.49	50.4	5.17	49.1	5.17	47.0	4.89	44.8	4.58
		308.0	56.3	5.81	53.2	5.49	50.4	5.17	49.1	4.89	47.0	4.89	44.8	4.58
		385.0	56.3	5.81	53.2	5.49	50.4	5.17	49.1	4.89	47.0	4.89	44.8	4.58
		462.0	56.3	5.81	53.2	5.49	50.4	5.17	49.1	4.89	47.0	4.89	44.8	4.58
	40	123.2	56.3	5.57	53.2	5.25	50.4	4.97	49.1	4.58	47.0	4.65	44.8	4.26
		154.0	56.3	5.49	53.2	5.17	50.4	4.89	49.1	4.58	47.0	4.58	44.8	4.26
		308.0	56.3	5.17	53.2	4.89	50.4	4.58	49.1	4.58	47.0	4.26	44.8	4.26
		385.0	56.3	5.17	53.2	4.89	50.4	4.58	49.1	4.58	47.0	4.26	44.8	4.26
		462.0	56.3	5.17	53.2	4.89	50.4	4.58	49.1	4.58	47.0	4.26	44.8	4.26
	45	123.2	56.3	4.97	53.2	5.05	50.4	4.73	49.1	3.90	47.0	4.41	44.8	3.98
		154.0	56.3	4.89	53.2	4.89	50.4	4.58	49.1	3.98	47.0	4.26	44.8	3.98
		308.0	56.3	4.58	53.2	4.26	50.4	3.98	49.1	4.26	47.0	3.66	44.8	3.98
		385.0	56.3	4.58	53.2	4.26	50.4	3.98	49.1	4.26	47.0	3.66	44.8	3.98
		462.0	56.3	4.58	53.2	4.26	50.4	3.98	49.1	4.26	47.0	3.66	44.8	3.98

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(34HP)

ARWN340LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	130.8	50.7	20.78	50.3	19.56	50.0	18.21	49.3	17.67	49.9	17.21	48.5	15.43
		163.5	52.4	21.14	52.0	19.94	51.7	18.61	51.0	18.06	51.6	17.58	50.2	15.77
		327.0	59.3	22.58	58.8	21.45	58.5	20.18	57.7	19.60	58.4	19.05	56.9	17.10
		408.8	65.6	24.01	65.0	22.92	64.6	21.76	63.8	21.17	64.6	20.56	62.9	18.44
		490.5	68.7	24.74	68.1	23.66	67.6	22.55	66.8	21.97	67.7	21.32	65.9	19.11
	0	130.8	90.5	28.42	88.5	27.57	86.6	26.67	84.7	25.92	85.0	25.21	81.1	22.58
		163.5	91.1	28.49	89.0	27.64	87.1	26.75	85.2	26.00	85.5	25.28	81.6	22.64
		327.0	93.3	28.80	91.0	27.91	89.1	27.06	87.2	26.31	87.5	25.55	83.6	22.92
		408.8	94.6	28.80	92.4	27.91	90.5	27.06	88.5	26.31	88.8	25.55	84.8	22.92
		490.5	95.3	28.80	93.1	27.91	91.2	27.06	89.1	26.31	89.4	25.55	85.4	22.92
	5	130.8	130.4	30.55	128.4	29.79	125.7	29.03	122.5	28.21	119.3	27.43	112.7	24.57
		163.5	130.8	30.68	128.6	29.93	125.7	29.18	122.5	28.36	119.3	27.57	112.7	24.70
		327.0	132.6	31.23	129.5	30.48	125.8	29.76	122.5	28.94	119.3	28.12	112.7	25.21
		408.8	133.4	31.44	129.9	30.68	125.8	29.97	122.5	29.14	119.3	28.32	112.7	25.38
		490.5	133.8	31.54	130.1	30.79	125.8	30.07	122.5	29.25	119.3	28.43	112.7	25.47
	10	130.8	130.5	27.79	128.4	26.86	125.3	26.36	122.0	25.77	118.8	24.89	112.2	22.46
		163.5	131.3	27.74	129.0	26.89	125.8	26.41	122.5	25.76	119.3	24.87	112.7	22.44
		327.0	134.4	27.54	131.4	26.99	127.8	26.61	124.5	25.72	121.0	24.80	114.5	22.37
		408.8	135.1	27.91	132.3	27.37	128.6	26.72	125.1	25.83	121.8	25.21	115.2	23.43
		490.5	135.4	28.10	132.8	27.56	129.0	26.77	125.4	25.88	122.2	25.42	115.5	23.97
	15	130.8	130.7	25.05	128.4	23.98	124.8	23.72	121.5	23.33	118.3	22.34	111.8	20.35
		163.5	131.8	24.80	129.4	23.88	125.8	23.67	122.5	23.16	119.3	22.17	112.7	20.18
		327.0	136.1	23.81	133.3	23.47	129.8	23.47	126.5	22.47	122.8	21.48	116.3	19.50
		408.8	136.8	24.39	134.6	24.01	131.4	23.47	127.8	22.47	124.5	22.10	117.7	21.48
		490.5	137.1	24.68	135.2	24.29	132.2	23.47	128.5	22.47	125.4	22.41	118.4	22.48
	20	130.8	135.7	22.98	133.2	21.91	129.7	21.43	126.1	20.75	122.5	20.28	115.2	19.66
		163.5	136.8	22.82	134.3	21.89	130.7	21.41	127.1	20.83	123.5	20.42	116.3	19.50
		327.0	141.1	22.17	138.6	21.82	134.7	21.35	131.1	21.17	127.8	20.97	120.5	18.85
		408.8	141.7	22.17	139.6	21.82	136.3	21.48	132.4	21.17	128.8	20.97	121.5	20.05
		490.5	142.0	22.17	140.1	21.82	137.1	21.55	133.1	21.17	129.3	20.97	122.0	20.65
	25	130.8	143.3	21.91	139.6	21.28	136.3	20.92	133.7	20.57	130.7	20.27	123.2	18.93
		163.5	143.3	21.82	139.6	21.24	136.3	20.83	133.7	20.49	130.7	20.18	123.2	18.85
		327.0	143.3	21.48	139.6	21.11	136.3	20.49	133.7	20.18	130.7	19.84	123.2	18.51
		408.8	143.3	21.17	139.6	20.56	136.3	20.18	133.7	19.84	130.7	19.50	123.2	18.20
		490.5	143.3	21.02	139.6	20.28	136.3	20.03	133.7	19.67	130.7	19.33	123.2	18.04
	30	130.8	143.3	21.35	139.6	20.29	136.3	20.10	133.7	19.58	130.7	19.36	123.2	18.02
		163.5	143.3	21.17	139.6	20.25	136.3	19.98	133.7	19.50	130.7	19.19	123.2	17.86
		327.0	143.3	20.49	139.6	20.11	136.3	19.50	133.7	19.19	130.7	18.51	123.2	17.21
		408.8	143.3	20.18	139.6	19.57	136.3	19.19	133.7	18.85	130.7	18.51	123.2	17.21
		490.5	143.3	20.03	139.6	19.29	136.3	19.03	133.7	18.68	130.7	18.51	123.2	17.21
	35	130.8	143.3	20.35	139.6	19.68	136.3	19.28	133.7	18.58	130.7	17.94	123.2	16.69
		163.5	143.3	20.18	139.6	19.57	136.3	19.19	133.7	18.51	130.7	17.86	123.2	16.52
		327.0	143.3	19.50	139.6	19.12	136.3	18.85	133.7	18.20	130.7	17.51	123.2	15.87
		408.8	143.3	19.50	139.6	18.92	136.3	18.51	133.7	17.86	130.7	17.21	123.2	15.87
		490.5	143.3	19.50	139.6	18.81	136.3	18.33	133.7	17.68	130.7	17.05	123.2	15.87
	40	130.8	143.3	19.66	139.6	19.04	136.3	18.67	133.7	18.02	130.7	17.38	123.2	15.69
		163.5	143.3	19.50	139.6	18.92	136.3	18.51	133.7	17.86	130.7	17.21	123.2	15.53
		327.0	143.3	18.85	139.6	18.44	136.3	17.86	133.7	17.21	130.7	16.52	123.2	14.88
		408.8	143.3	18.51	139.6	18.13	136.3	17.86	133.7	17.21	130.7	16.52	123.2	14.88
		490.5	143.3	18.33	139.6	17.97	136.3	17.86	133.7	17.21	130.7	16.52	123.2	14.88
	45	130.8	143.3	19.01	139.6	18.39	136.3	18.11	133.7	17.46	130.7	16.77	123.2	14.70
		163.5	143.3	18.85	139.6	18.27	136.3	17.86	133.7	17.21	130.7	16.52	123.2	14.54
		327.0	143.3	18.20	139.6	17.79	136.3	16.86	133.7	16.21	130.7	15.53	123.2	13.89
		408.8	143.3	17.51	139.6	17.34	136.3	17.21	133.7	16.52	130.7	15.87	123.2	13.89
		490.5	143.3	17.17	139.6	17.12	136.3	17.38	133.7	16.68	130.7	16.04	123.2	13.89
120	-5	130.8	48.2	20.78	47.8	19.56	47.5	18.21	46.9	17.44	47.3	16.94	46.0	15.16
		163.5	49.8	21.14	49.4	19.94	49.1	18.61	48.5	17.82	48.9	17.31	47.6	15.50
		327.0	56.4	22.58	55.9	21.45	55.6	20.18	54.9	19.33	55.4	18.78	53.9	16.83
		408.8	62.3	24.01	61.8	22.92	61.4	21.76	60.7	20.87	61.2	20.25	59.5	18.13
		490.5	65.2	24.74	64.7	23.66	64.3	22.55	63.6	21.64	64.1	20.99	62.3	18.78
	0	130.8	86.1	28.42	84.0	27.57	82.2	26.67	80.5	25.54	80.5	24.83	76.8	22.20
		163.5	86.6	28.49	84.5	27.64	82.7	26.75	81.0	25.62	81.0	24.90	77.3	22.27
		327.0	88.6	28.80	86.5	27.91	84.7	27.06	82.9	25.93	82.9	25.18	79.2	22.54
		408.8	90.0	28.80	87.9	27.91	86.0	27.06	84.2	25.93	84.1	25.18	80.4	22.54
		490.5	90.7	28.80	88.6	27.91	86.6	27.06	84.8	25.93	84.7	25.18	81.0	22.54

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	130.8	124.1	30.55	122.2	29.79	119.6	29.03	116.7	27.80	113.0	27.02	106.8	24.20
		163.5	124.5	30.68	122.4	29.93	119.6	29.18	116.7	27.95	113.0	27.16	106.8	24.32
		327.0	126.3	31.23	123.3	30.48	119.6	29.76	116.7	28.53	113.0	27.71	106.8	24.80
		408.8	127.0	31.44	122.6	30.68	119.6	29.97	116.7	28.73	113.0	27.91	106.8	24.97
		490.5	127.4	31.54	122.3	30.79	119.6	30.07	116.7	28.84	113.0	28.02	106.8	25.06
	10	130.8	124.6	27.44	122.2	26.68	119.2	26.14	116.3	25.35	112.7	24.51	106.5	22.04
		163.5	125.1	27.54	122.7	26.78	119.6	26.24	116.7	25.38	113.0	24.49	106.8	22.06
		327.0	127.4	27.91	124.7	27.19	120.8	26.61	118.0	25.52	114.2	24.42	107.9	22.17
		408.8	128.1	27.81	124.3	27.19	121.3	26.72	118.5	25.62	114.7	24.53	108.4	22.92
		490.5	128.5	27.76	124.1	27.19	121.6	26.77	118.7	25.67	114.9	24.58	108.6	23.30
	15	130.8	124.9	24.34	122.4	23.62	118.9	23.25	116.0	22.90	112.4	21.99	106.2	19.93
		163.5	125.6	24.39	123.1	23.67	119.6	23.29	116.7	22.82	113.0	21.82	106.8	19.84
		327.0	128.5	24.59	126.1	23.88	122.2	23.47	119.3	22.47	115.3	21.17	109.1	19.50
		408.8	129.2	24.22	126.0	23.67	123.2	23.47	120.3	22.47	116.3	21.17	110.1	20.83
		490.5	129.6	24.03	126.0	23.57	123.7	23.47	120.8	22.47	116.8	21.17	110.6	21.50
	20	130.8	128.4	21.89	126.0	20.96	122.2	20.40	118.8	20.10	114.9	19.86	108.7	18.85
		163.5	129.2	21.89	126.7	21.04	122.8	20.49	119.6	20.18	115.7	19.84	109.4	18.78
		327.0	132.5	21.89	129.7	21.35	125.5	20.83	122.5	20.49	118.6	19.77	112.0	18.51
		408.8	133.1	21.69	129.6	21.17	126.5	20.83	123.2	20.49	119.3	19.84	112.7	19.19
		490.5	133.4	21.58	129.6	21.09	127.0	20.83	123.6	20.49	119.6	19.87	113.0	19.53
	25	130.8	134.6	20.70	130.7	19.74	126.5	19.36	123.8	18.93	120.5	18.58	114.0	17.29
		163.5	134.7	20.63	130.7	19.70	126.5	19.33	123.8	18.85	120.5	18.51	114.0	17.21
		327.0	135.0	20.32	130.7	19.57	126.5	19.19	123.8	18.51	120.5	18.20	114.0	16.86
		408.8	135.4	19.57	130.7	19.05	126.5	18.85	123.8	18.51	120.5	17.86	114.0	16.86
		490.5	135.6	19.19	130.7	18.79	126.5	18.68	123.8	18.51	120.5	17.68	114.0	16.86
	30	130.8	135.4	19.80	130.7	18.82	126.5	18.28	123.8	17.59	120.5	17.38	114.0	15.96
		163.5	135.4	19.63	130.7	18.71	126.5	18.20	123.8	17.51	120.5	17.21	114.0	15.87
		327.0	135.4	18.98	130.7	18.27	126.5	17.86	123.8	17.21	120.5	16.52	114.0	15.53
		408.8	135.4	18.37	130.7	17.86	126.5	17.51	123.8	17.21	120.5	16.52	114.0	15.22
		490.5	135.4	18.06	130.7	17.65	126.5	17.34	123.8	17.21	120.5	16.52	114.0	15.07
	35	130.8	135.4	18.91	130.7	17.88	126.5	17.38	123.8	16.69	120.5	16.04	114.0	14.62
		163.5	135.4	18.64	130.7	17.72	126.5	17.21	123.8	16.52	120.5	15.87	114.0	14.54
		327.0	135.4	17.58	130.7	17.07	126.5	16.52	123.8	15.87	120.5	15.22	114.0	14.23
		408.8	135.4	17.38	130.7	16.93	126.5	16.52	123.8	15.87	120.5	15.22	114.0	13.89
		490.5	135.4	17.27	130.7	16.86	126.5	16.52	123.8	15.87	120.5	15.22	114.0	13.72
	40	130.8	135.4	18.35	130.7	17.06	126.5	16.39	123.8	15.69	120.5	15.04	114.0	13.62
		163.5	135.4	17.99	130.7	16.86	126.5	16.21	123.8	15.53	120.5	14.88	114.0	13.55
		327.0	135.4	16.59	130.7	16.08	126.5	15.53	123.8	14.88	120.5	14.23	114.0	13.24
		408.8	135.4	16.39	130.7	15.87	126.5	15.53	123.8	14.88	120.5	14.23	114.0	12.90
		490.5	135.4	16.28	130.7	15.77	126.5	15.53	123.8	14.88	120.5	14.23	114.0	12.72
	45	130.8	135.4	17.78	130.7	16.24	126.5	15.39	123.8	14.70	120.5	14.05	114.0	12.63
		163.5	135.4	17.34	130.7	16.01	126.5	15.22	123.8	14.54	120.5	13.89	114.0	12.55
		327.0	135.4	15.60	130.7	15.09	126.5	14.54	123.8	13.89	120.5	13.24	114.0	12.25
		408.8	135.4	15.39	130.7	14.81	126.5	14.54	123.8	13.89	120.5	13.24	114.0	11.90
		490.5	135.4	15.29	130.7	14.67	126.5	14.54	123.8	13.89	120.5	13.24	114.0	11.73
110	-5	130.8	45.6	21.05	45.3	19.56	45.0	18.21	44.5	17.44	44.6	16.94	43.6	15.16
		163.5	47.1	21.41	46.8	19.94	46.5	18.61	46.0	17.82	46.1	17.31	45.1	15.50
		327.0	53.3	22.85	53.0	21.45	52.7	20.18	52.1	19.33	52.1	18.78	51.1	16.83
		408.8	58.9	24.32	58.5	22.92	58.2	21.76	57.6	20.87	57.6	20.25	56.4	18.13
		490.5	61.7	25.06	61.2	23.66	60.9	22.55	60.3	21.64	60.3	20.99	59.1	18.78
	0	130.8	81.4	28.80	79.6	27.57	78.0	26.67	76.5	25.54	75.8	24.83	72.9	22.20
		163.5	81.9	28.87	80.1	27.64	78.4	26.75	76.9	25.62	76.2	24.90	73.3	22.27
		327.0	83.8	29.14	82.0	27.91	80.2	27.06	78.7	25.93	78.0	25.18	75.0	22.54
		408.8	85.1	29.14	83.3	27.91	81.5	27.06	79.9	25.93	79.2	25.18	76.1	22.54
		490.5	85.7	29.14	83.9	27.91	82.1	27.06	80.5	25.93	79.8	25.18	76.7	22.54
	5	130.8	118.8	30.96	115.9	29.79	113.3	29.03	110.7	27.80	106.4	27.02	101.2	24.20
		163.5	119.2	31.09	116.2	29.93	113.3	29.18	110.7	27.95	106.4	27.16	101.2	24.32
		327.0	120.7	31.64	117.1	30.48	113.4	29.76	110.7	28.53	106.4	27.71	101.2	24.80
		408.8	121.4	31.85	117.4	30.68	113.4	29.97	110.7	28.73	106.4	27.91	101.2	24.97
		490.5	121.8	31.95	117.5	30.79	113.4	30.07	110.7	28.84	106.4	28.02	101.2	25.06
	10	130.8	119.2	27.76	116.3	26.81	113.1	26.23	110.5	25.35	106.2	24.51	101.1	22.04
		163.5	119.7	27.81	116.6	26.89	113.3	26.31	110.7	25.38	106.4	24.49	101.2	22.06
		327.0	121.4	28.02	117.8	27.19	114.0	26.61	111.4	25.52	107.1	24.42	101.7	22.17
		408.8	122.1	28.02	118.3	27.19	114.4	26.54	111.6	25.45	107.3	24.53	102.0	22.41
		490.5	122.5	28.02	118.5	27.19	114.6	26.51	111.7	25.42	107.4	24.58	102.2	22.53

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	130.8	119.5	24.56	116.4	23.88	113.0	23.47	110.4	22.90	106.1	21.99	101.0	19.93
		163.5	120.1	24.53	116.9	23.88	113.4	23.47	110.7	22.82	106.4	21.82	101.2	19.84
		327.0	122.0	24.39	118.6	23.88	114.7	23.47	112.0	22.47	107.8	21.17	102.2	19.50
		408.8	122.7	24.22	119.2	23.67	115.3	23.16	112.4	22.17	108.1	21.17	102.8	19.84
		490.5	123.1	24.13	119.5	23.57	115.6	23.00	112.6	22.01	108.2	21.17	103.1	20.01
	20	130.8	121.8	21.20	118.5	20.70	114.6	20.18	111.6	19.84	107.5	19.28	101.8	18.03
		163.5	122.4	21.24	118.9	20.70	115.0	20.18	112.0	19.84	107.8	19.19	102.2	17.99
		327.0	125.0	21.41	120.5	20.70	116.3	20.18	113.7	19.84	109.1	18.85	103.8	17.86
		408.8	125.7	21.41	121.4	20.70	117.0	20.18	114.0	19.50	109.7	18.85	104.1	17.86
		490.5	126.1	21.41	121.9	20.70	117.3	20.18	114.1	19.33	110.0	18.85	104.3	17.86
	25	130.8	125.6	19.29	121.8	18.58	117.0	18.28	114.4	17.59	110.4	16.95	104.5	15.53
		163.5	125.8	19.26	121.8	18.51	117.0	18.20	114.4	17.51	110.4	16.86	104.5	15.53
		327.0	126.8	19.12	121.8	18.20	117.0	17.86	114.4	17.21	110.4	16.52	104.5	15.53
		408.8	127.4	19.12	121.8	18.27	117.0	17.51	114.4	17.21	110.4	16.21	104.5	15.22
		490.5	127.7	19.12	121.8	18.30	117.0	17.34	114.4	17.21	110.4	16.06	104.5	15.07
	30	130.8	127.4	17.59	121.8	16.95	117.0	16.30	114.4	15.96	110.4	14.97	104.5	13.97
		163.5	127.4	17.51	121.8	16.86	117.0	16.21	114.4	15.87	110.4	14.88	104.5	13.89
		327.0	127.4	17.21	121.8	16.52	117.0	15.87	114.4	15.53	110.4	14.54	104.5	13.55
		408.8	127.4	17.07	121.8	16.21	117.0	15.53	114.4	15.22	110.4	14.54	104.5	13.55
		490.5	127.4	17.00	121.8	16.06	117.0	15.36	114.4	15.07	110.4	14.54	104.5	13.55
	35	130.8	127.4	16.69	121.8	15.61	117.0	14.97	114.4	14.32	110.4	13.62	104.5	12.63
		163.5	127.4	16.52	121.8	15.53	117.0	14.88	114.4	14.23	110.4	13.55	104.5	12.55
		327.0	127.4	15.87	121.8	15.22	117.0	14.54	114.4	13.89	110.4	13.24	104.5	12.25
		408.8	127.4	15.46	121.8	14.88	117.0	14.23	114.4	13.89	110.4	13.24	104.5	12.25
		490.5	127.4	15.25	121.8	14.71	117.0	14.07	114.4	13.89	110.4	13.24	104.5	12.25
	40	130.8	127.4	15.69	121.8	15.04	117.0	14.05	114.4	13.32	110.4	12.63	104.5	11.64
		163.5	127.4	15.53	121.8	14.88	117.0	13.89	114.4	13.24	110.4	12.55	104.5	11.56
		327.0	127.4	14.88	121.8	14.23	117.0	13.24	114.4	12.90	110.4	12.25	104.5	11.25
		408.8	127.4	14.67	121.8	13.89	117.0	13.24	114.4	12.55	110.4	11.90	104.5	10.91
		490.5	127.4	14.57	121.8	13.72	117.0	13.24	114.4	12.38	110.4	11.73	104.5	10.74
	45	130.8	127.4	14.70	121.8	14.48	117.0	13.15	114.4	12.33	110.4	11.64	104.5	10.65
		163.5	127.4	14.54	121.8	14.23	117.0	12.90	114.4	12.25	110.4	11.56	104.5	10.57
		327.0	127.4	13.89	121.8	13.24	117.0	11.90	114.4	11.90	110.4	11.25	104.5	10.26
		408.8	127.4	13.89	121.8	12.90	117.0	12.25	114.4	11.25	110.4	10.57	104.5	9.58
		490.5	127.4	13.89	121.8	12.72	117.0	12.42	114.4	10.93	110.4	10.23	104.5	9.23
100	-5	130.8	43.0	21.05	42.8	19.84	42.6	18.21	42.2	17.44	41.8	16.66	41.0	15.16
		163.5	44.5	21.41	44.2	20.22	44.0	18.61	43.6	17.82	43.2	17.04	42.4	15.50
		327.0	50.4	22.85	50.1	21.72	49.8	20.18	49.3	19.33	48.9	18.51	48.1	16.83
		408.8	55.7	24.32	55.3	23.23	55.0	21.76	54.5	20.87	54.1	19.94	53.1	18.13
		490.5	58.4	25.06	57.9	23.98	57.6	22.55	57.1	21.64	56.7	20.67	55.6	18.78
	0	130.8	77.0	28.80	75.3	27.95	73.7	26.67	72.4	25.54	71.1	24.46	68.6	22.20
		163.5	77.4	28.87	75.7	28.02	74.1	26.75	72.8	25.62	71.5	24.53	69.0	22.27
		327.0	79.2	29.14	77.5	28.29	75.8	27.06	74.5	25.93	73.2	24.80	70.6	22.54
		408.8	80.4	29.14	78.7	28.29	77.0	27.06	75.6	25.93	74.3	24.80	71.7	22.54
		490.5	81.0	29.14	79.3	28.29	77.6	27.06	76.2	25.93	74.9	24.80	72.3	22.54
	5	130.8	113.6	30.96	109.8	30.20	107.0	29.03	104.8	27.80	99.8	26.61	95.2	24.20
		163.5	114.0	31.09	110.0	30.34	107.0	29.18	104.8	27.95	99.8	26.75	95.2	24.32
		327.0	115.6	31.64	110.8	30.89	107.1	29.76	104.8	28.53	99.8	27.30	95.2	24.80
		408.8	116.3	31.85	111.1	31.09	107.1	29.97	104.8	28.73	99.8	27.47	95.2	24.97
		490.5	116.6	31.95	111.2	31.20	107.1	30.07	104.8	28.84	99.8	27.55	95.2	25.06
	10	130.8	114.2	27.68	110.1	27.07	107.1	26.23	104.8	25.35	99.8	24.09	95.2	22.04
		163.5	114.5	27.81	110.3	27.16	107.1	26.31	104.8	25.38	99.8	24.12	95.2	22.06
		327.0	115.6	28.32	110.9	27.50	107.1	26.61	104.8	25.52	99.8	24.22	95.2	22.17
		408.8	116.4	28.22	111.4	27.50	107.1	26.54	104.8	25.45	99.8	24.15	95.2	22.06
		490.5	116.8	28.17	111.6	27.50	107.1	26.51	104.8	25.42	99.8	24.12	95.2	22.01
	15	130.8	114.8	24.41	110.6	24.00	107.1	23.47	104.8	22.90	99.8	21.56	95.2	19.93
		163.5	115.0	24.53	110.7	24.01	107.1	23.47	104.8	22.82	99.8	21.48	95.2	19.84
		327.0	115.6	25.01	111.0	24.08	107.1	23.47	104.8	22.47	99.8	21.17	95.2	19.50
		408.8	116.6	24.59	111.6	23.88	107.1	23.16	104.8	22.17	99.8	20.83	95.2	19.19
		490.5	117.1	24.39	111.9	23.77	107.1	23.00	104.8	22.01	99.8	20.66	95.2	19.03
	20	130.8	115.4	20.87	111.2	20.34	107.1	19.84	104.8	19.58	99.8	18.28	95.2	17.38
		163.5	115.9	20.97	111.3	20.35	107.1	19.84	104.8	19.50	99.8	18.20	95.2	17.21
		327.0	117.6	21.35	111.6	20.42	107.1	19.84	104.8	19.19	99.8	17.86	95.2	16.52
		408.8	118.3	20.97	112.6	20.25	107.1	19.50	104.8	18.85	99.8	17.51	95.2	16.21
		490.5	118.6	20.78	113.1	20.16	107.1	19.33	104.8	18.68	99.8	17.34	95.2	16.06

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	130.8	116.8	18.25	113.0	17.68	107.1	16.95	104.8	16.30	99.8	15.31	95.2	13.89
		163.5	117.3	18.27	113.0	17.58	107.1	16.86	104.8	16.21	99.8	15.22	95.2	13.89
		327.0	119.0	18.33	113.0	17.21	107.1	16.52	104.8	15.87	99.8	14.88	95.2	13.89
		408.8	119.6	17.92	113.0	17.07	107.1	16.21	104.8	15.53	99.8	14.88	95.2	13.55
		490.5	119.9	17.72	113.0	17.00	107.1	16.06	104.8	15.36	99.8	14.88	95.2	13.37
	30	130.8	119.6	16.60	113.0	15.31	107.1	14.26	104.8	13.97	99.8	12.90	95.2	12.33
		163.5	119.6	16.52	113.0	15.22	107.1	14.23	104.8	13.89	99.8	12.90	95.2	12.25
		327.0	119.6	16.21	113.0	14.88	107.1	14.09	104.8	13.55	99.8	12.90	95.2	11.90
		408.8	119.6	15.87	113.0	14.88	107.1	13.89	104.8	13.55	99.8	12.55	95.2	11.90
		490.5	119.6	15.70	113.0	14.88	107.1	13.78	104.8	13.55	99.8	12.38	95.2	11.90
	35	130.8	119.6	15.39	113.0	14.05	107.1	12.59	104.8	12.33	99.8	11.64	95.2	10.65
		163.5	119.6	15.22	113.0	13.89	107.1	12.55	104.8	12.25	99.8	11.56	95.2	10.57
		327.0	119.6	14.54	113.0	13.24	107.1	12.42	104.8	11.90	99.8	11.25	95.2	10.26
		408.8	119.6	14.54	113.0	13.24	107.1	12.25	104.8	11.90	99.8	11.25	95.2	10.26
		490.5	119.6	14.54	113.0	13.24	107.1	12.16	104.8	11.90	99.8	11.25	95.2	10.26
	40	130.8	119.6	14.40	113.0	13.06	107.1	11.29	104.8	11.00	99.8	10.35	95.2	9.66
		163.5	119.6	14.23	113.0	12.90	107.1	11.25	104.8	10.91	99.8	10.26	95.2	9.58
		327.0	119.6	13.55	113.0	12.25	107.1	11.12	104.8	10.57	99.8	9.92	95.2	9.27
		408.8	119.6	13.24	113.0	12.25	107.1	10.91	104.8	10.57	99.8	9.92	95.2	9.27
		490.5	119.6	13.08	113.0	12.25	107.1	10.81	104.8	10.57	99.8	9.92	95.2	9.27
	45	130.8	119.6	13.41	113.0	12.07	107.1	9.95	104.8	9.66	99.8	9.01	95.2	8.66
		163.5	119.6	13.24	113.0	11.90	107.1	9.92	104.8	9.58	99.8	8.93	95.2	8.59
		327.0	119.6	12.55	113.0	11.25	107.1	9.78	104.8	9.27	99.8	8.59	95.2	8.28
		408.8	119.6	11.90	113.0	11.25	107.1	9.58	104.8	9.27	99.8	8.59	95.2	8.28
		490.5	119.6	11.58	113.0	11.25	107.1	9.47	104.8	9.27	99.8	8.59	95.2	8.28
90	-5	130.8	40.6	19.54	39.4	17.79	38.2	15.63	37.9	14.89	37.6	14.36	37.0	12.88
		163.5	42.0	19.87	40.7	18.13	39.6	15.97	39.3	15.22	39.0	14.67	38.3	13.17
		327.0	47.6	21.21	46.1	19.46	44.7	17.34	44.4	16.52	44.1	15.94	43.2	14.30
		408.8	52.6	22.54	50.9	20.83	49.4	18.71	49.0	17.82	48.7	17.17	47.8	15.43
		490.5	55.1	23.21	53.3	21.52	51.8	19.40	51.3	18.48	51.0	17.79	50.1	16.00
	0	130.8	72.7	26.61	69.3	24.97	66.1	22.93	65.2	21.87	64.1	21.05	61.7	18.90
		163.5	73.1	26.68	69.7	25.04	66.6	22.99	65.6	21.93	64.5	21.11	62.1	18.95
		327.0	74.8	26.96	71.3	25.31	68.1	23.23	67.0	22.17	66.0	21.35	63.6	19.16
		408.8	75.9	26.96	72.4	25.31	69.2	23.23	68.0	22.17	67.0	21.35	64.6	19.16
		490.5	76.5	26.96	73.0	25.31	69.8	23.23	68.5	22.17	67.6	21.35	65.1	19.16
	5	130.8	102.7	28.57	99.4	26.96	96.2	24.95	94.2	23.79	90.1	22.90	85.8	20.56
		163.5	102.8	28.70	99.3	27.09	96.2	25.07	94.2	23.91	90.1	23.02	85.8	20.66
		327.0	103.2	29.21	99.0	27.60	96.2	25.55	94.2	24.39	90.1	23.50	85.8	21.07
		408.8	103.8	29.38	99.3	27.78	96.2	25.76	94.2	24.56	90.1	23.67	85.8	21.24
		490.5	104.1	29.47	99.5	27.86	96.2	25.86	94.2	24.65	90.1	23.76	85.8	21.33
	10	130.8	103.3	25.23	99.8	23.99	96.2	22.58	94.2	21.66	90.1	20.78	85.8	18.73
		163.5	103.2	25.24	99.6	24.01	96.2	22.61	94.2	21.69	90.1	20.76	85.8	18.75
		327.0	103.0	25.31	99.1	24.12	96.2	22.71	94.2	21.79	90.1	20.70	85.8	18.81
		408.8	103.7	25.24	99.4	24.05	96.2	22.64	94.2	21.72	90.1	20.76	85.8	18.88
		490.5	104.1	25.21	99.6	24.01	96.2	22.61	94.2	21.69	90.1	20.80	85.8	18.92
	15	130.8	103.8	21.84	100.1	21.06	96.2	20.27	94.2	19.58	90.1	18.67	85.8	16.95
		163.5	103.6	21.76	99.9	20.97	96.2	20.18	94.2	19.50	90.1	18.51	85.8	16.86
		327.0	102.9	21.41	99.2	20.63	96.2	19.84	94.2	19.19	90.1	17.86	85.8	16.52
		408.8	103.6	21.11	99.5	20.32	96.2	19.50	94.2	18.85	90.1	17.86	85.8	16.52
		490.5	104.0	20.95	99.7	20.16	96.2	19.33	94.2	18.68	90.1	17.86	85.8	16.52
	20	130.8	104.4	18.44	100.5	17.91	96.2	17.29	94.2	16.60	90.1	16.04	85.8	15.04
		163.5	104.3	18.44	100.3	17.86	96.2	17.21	94.2	16.52	90.1	15.87	85.8	14.88
		327.0	103.9	18.44	99.5	17.65	96.2	16.86	94.2	16.21	90.1	15.22	85.8	14.23
		408.8	104.2	18.13	99.8	17.51	96.2	16.86	94.2	16.21	90.1	15.22	85.8	14.23
		490.5	104.4	17.97	100.0	17.44	96.2	16.86	94.2	16.21	90.1	15.22	85.8	14.23
	25	130.8	106.2	16.11	101.8	15.26	96.2	14.62	94.2	13.89	90.1	13.32	85.8	12.33
		163.5	106.4	16.08	101.8	15.22	96.2	14.54	94.2	13.89	90.1	13.24	85.8	12.25
		327.0	107.4	15.94	101.8	15.09	96.2	14.23	94.2	13.89	90.1	12.90	85.8	11.90
		408.8	107.8	15.53	101.8	14.74	96.2	14.23	94.2	13.55	90.1	12.90	85.8	11.90
		490.5	108.0	15.32	101.8	14.57	96.2	14.23	94.2	13.37	90.1	12.90	85.8	11.90
	30	130.8	107.8	14.62	101.8	13.62	96.2	12.63	94.2	12.33	90.1	11.64	85.8	10.57
		163.5	107.8	14.54	101.8	13.55	96.2	12.55	94.2	12.25	90.1	11.56	85.8	10.57
		327.0	107.8	14.23	101.8	13.24	96.2	12.25	94.2	11.90	90.1	11.25	85.8	10.57
		408.8	107.8	13.89	101.8	12.90	96.2	12.25	94.2	11.90	90.1	11.25	85.8	10.26
		490.5	107.8	13.72	101.8	12.72	96.2	12.25	94.2	11.90	90.1	11.25	85.8	10.11

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heading Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	130.8	107.8	13.32	101.8	12.33	96.2	11.34	94.2	11.00	90.1	10.35	85.8	9.66
		163.5	107.8	13.24	101.8	12.25	96.2	11.25	94.2	10.91	90.1	10.26	85.8	9.58
		327.0	107.8	12.90	101.8	11.90	96.2	10.91	94.2	10.57	90.1	9.92	85.8	9.27
		408.8	107.8	12.55	101.8	11.56	96.2	10.57	94.2	10.26	90.1	9.92	85.8	9.27
		490.5	107.8	12.38	101.8	11.39	96.2	10.40	94.2	10.11	90.1	9.92	85.8	9.27
	40	130.8	107.8	12.42	101.8	11.34	96.2	10.01	94.2	9.66	90.1	9.36	85.8	8.66
		163.5	107.8	12.25	101.8	11.25	96.2	9.92	94.2	9.58	90.1	9.27	85.8	8.59
		327.0	107.8	11.56	101.8	10.91	96.2	9.58	94.2	9.27	90.1	8.93	85.8	8.28
		408.8	107.8	11.56	101.8	10.91	96.2	9.58	94.2	9.27	90.1	8.93	85.8	8.28
		490.5	107.8	11.56	101.8	10.91	96.2	9.58	94.2	9.27	90.1	8.93	85.8	8.28
	45	130.8	107.8	11.50	101.8	10.35	96.2	8.66	94.2	8.36	90.1	8.36	85.8	7.67
		163.5	107.8	11.25	101.8	10.26	96.2	8.59	94.2	8.28	90.1	8.28	85.8	7.59
		327.0	107.8	10.26	101.8	9.92	96.2	8.28	94.2	7.94	90.1	7.94	85.8	7.29
		408.8	107.8	10.57	101.8	10.26	96.2	8.59	94.2	8.28	90.1	7.94	85.8	7.29
		490.5	107.8	10.73	101.8	10.43	96.2	8.74	94.2	8.45	90.1	7.94	85.8	7.29
80	-5	130.8	38.4	13.92	36.0	13.39	34.1	12.82	33.7	12.39	33.5	11.82	32.8	10.88
		163.5	39.8	14.23	37.3	13.68	35.3	13.10	34.9	12.66	34.7	12.08	34.0	11.12
		327.0	44.9	15.46	42.1	14.85	39.9	14.20	39.5	13.72	39.3	13.10	38.5	12.04
		408.8	49.7	16.66	46.5	16.01	44.0	15.32	43.5	14.81	43.3	14.13	42.4	13.00
		490.5	52.1	17.26	48.7	16.59	46.1	15.89	45.6	15.36	45.4	14.64	44.4	13.48
	0	130.8	68.6	20.43	63.3	19.61	58.9	18.80	57.8	18.15	57.0	17.29	54.9	15.93
		163.5	69.0	20.49	63.7	19.67	59.3	18.85	58.2	18.20	57.4	17.34	55.2	15.97
		327.0	70.7	20.73	65.2	19.91	60.7	19.05	59.6	18.40	58.8	17.55	56.5	16.15
		408.8	71.7	20.73	66.2	19.91	61.7	19.05	60.5	18.40	59.7	17.55	57.4	16.15
		490.5	72.2	20.73	66.7	19.91	62.2	19.05	60.9	18.40	60.1	17.55	57.8	16.15
	5	130.8	94.9	22.22	89.6	21.38	85.7	20.41	83.8	19.74	80.2	18.82	76.2	17.32
		163.5	95.1	22.34	89.8	21.48	85.7	20.52	83.8	19.84	80.2	18.92	76.2	17.41
		327.0	95.9	22.82	90.5	21.89	85.8	20.97	83.8	20.25	80.2	19.29	76.2	17.79
		408.8	95.9	22.95	90.4	22.06	85.8	21.11	83.8	20.39	80.2	19.43	76.2	17.89
		490.5	95.9	23.02	90.3	22.15	85.8	21.17	83.8	20.46	80.2	19.50	76.2	17.94
	10	130.8	95.4	20.45	90.0	19.52	85.7	18.53	83.8	18.02	80.2	17.06	76.2	15.79
		163.5	95.5	20.42	90.1	19.50	85.7	18.54	83.8	18.03	80.2	17.07	76.2	15.80
		327.0	95.9	20.32	90.5	19.40	85.8	18.57	83.8	18.06	80.2	17.10	76.2	15.84
		408.8	95.9	20.25	90.4	19.46	85.8	18.64	83.8	17.96	80.2	17.00	76.2	15.74
		490.5	95.9	20.22	90.3	19.50	85.8	18.68	83.8	17.91	80.2	16.95	76.2	15.68
	15	130.8	95.9	18.67	90.4	17.68	85.8	16.60	83.8	16.30	80.2	15.31	76.2	14.32
		163.5	95.9	18.51	90.4	17.51	85.8	16.52	83.8	16.21	80.2	15.22	76.2	14.23
		327.0	95.9	17.86	90.4	16.86	85.8	16.21	83.8	15.87	80.2	14.88	76.2	13.89
		408.8	95.9	17.51	90.4	16.86	85.8	16.21	83.8	15.53	80.2	14.54	76.2	13.55
		490.5	95.9	17.34	90.4	16.86	85.8	16.21	83.8	15.36	80.2	14.37	76.2	13.37
	20	130.8	95.9	15.61	90.4	14.97	85.8	14.23	83.8	13.97	80.2	13.32	76.2	12.33
		163.5	95.9	15.53	90.4	14.88	85.8	14.23	83.8	13.89	80.2	13.24	76.2	12.25
		327.0	95.9	15.22	90.4	14.54	85.8	14.23	83.8	13.55	80.2	12.90	76.2	11.90
		408.8	95.9	14.88	90.4	14.23	85.8	13.89	83.8	13.55	80.2	12.55	76.2	11.90
		490.5	95.9	14.71	90.4	14.07	85.8	13.72	83.8	13.55	80.2	12.38	76.2	11.90
	25	130.8	95.9	13.97	90.4	12.98	85.8	12.25	83.8	11.99	80.2	11.34	76.2	10.65
		163.5	95.9	13.89	90.4	12.90	85.8	12.25	83.8	11.90	80.2	11.25	76.2	10.57
		327.0	95.9	13.55	90.4	12.55	85.8	12.25	83.8	11.56	80.2	10.91	76.2	10.26
		408.8	95.9	13.24	90.4	12.55	85.8	11.90	83.8	11.56	80.2	10.91	76.2	10.26
		490.5	95.9	13.08	90.4	12.55	85.8	11.73	83.8	11.56	80.2	10.91	76.2	10.26
	30	130.8	95.9	12.33	90.4	11.64	85.8	11.00	83.8	10.65	80.2	10.01	76.2	9.36
		163.5	95.9	12.25	90.4	11.56	85.8	10.91	83.8	10.57	80.2	9.92	76.2	9.27
		327.0	95.9	11.90	90.4	11.25	85.8	10.57	83.8	10.26	80.2	9.58	76.2	8.93
		408.8	95.9	11.90	90.4	11.25	85.8	10.57	83.8	10.26	80.2	9.58	76.2	8.93
		490.5	95.9	11.90	90.4	11.25	85.8	10.57	83.8	10.26	80.2	9.58	76.2	8.93
	35	130.8	95.9	11.34	90.4	10.65	85.8	9.66	83.8	9.27	80.2	9.01	76.2	8.28
		163.5	95.9	11.25	90.4	10.57	85.8	9.58	83.8	9.27	80.2	8.93	76.2	8.28
		327.0	95.9	10.91	90.4	10.26	85.8	9.27	83.8	9.27	80.2	8.59	76.2	8.28
		408.8	95.9	10.91	90.4	9.92	85.8	9.27	83.8	8.93	80.2	8.59	76.2	7.94
		490.5	95.9	10.91	90.4	9.75	85.8	9.27	83.8	8.76	80.2	8.59	76.2	7.76
	40	130.8	95.9	10.73	90.4	9.66	85.8	8.59	83.8	8.66	80.2	7.94	76.2	7.67
		163.5	95.9	10.57	90.4	9.58	85.8	8.59	83.8	8.59	80.2	7.94	76.2	7.59
		327.0	95.9	9.92	90.4	9.27	85.8	8.59	83.8	8.28	80.2	7.94	76.2	7.29
		408.8	95.9	9.92	90.4	9.27	85.8	8.28	83.8	8.28	80.2	7.94	76.2	7.29
		490.5	95.9	9.92	90.4	9.27	85.8	8.12	83.8	8.28	80.2	7.94	76.2	7.29

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	130.8	95.9	10.17	90.4	8.66	85.8	7.51	83.8	8.10	80.2	6.86	76.2	7.11
		163.5	95.9	9.92	90.4	8.59	85.8	7.59	83.8	7.94	80.2	6.94	76.2	6.94
		327.0	95.9	8.93	90.4	8.28	85.8	7.94	83.8	7.29	80.2	7.29	76.2	6.29
		408.8	95.9	8.93	90.4	8.59	85.8	7.29	83.8	7.59	80.2	7.29	76.2	6.60
		490.5	95.9	8.93	90.4	8.74	85.8	6.96	83.8	7.75	80.2	7.29	76.2	6.76
70	-5	130.8	33.5	11.95	31.5	11.38	29.8	11.01	29.5	10.38	29.3	10.01	28.8	9.11
		163.5	34.7	12.21	32.6	11.63	30.8	11.25	30.5	10.60	30.3	10.23	29.8	9.30
		327.0	39.3	13.24	36.9	12.62	34.8	12.21	34.5	11.49	34.3	11.08	33.7	10.09
		408.8	43.4	14.30	40.7	13.61	38.5	13.17	38.2	12.38	37.9	11.97	37.2	10.88
		490.5	45.5	14.83	42.7	14.11	40.3	13.65	40.0	12.83	39.7	12.42	38.9	11.27
	0	130.8	60.0	17.50	55.5	16.68	51.5	16.13	50.6	15.18	49.8	14.67	48.0	13.34
		163.5	60.4	17.55	55.8	16.73	51.8	16.18	50.9	15.22	50.1	14.71	48.3	13.37
		327.0	61.8	17.75	57.1	16.90	53.0	16.39	52.1	15.39	51.3	14.88	49.4	13.51
		408.8	62.7	17.75	58.0	16.90	53.8	16.39	52.9	15.39	52.1	14.88	50.2	13.51
		490.5	63.1	17.75	58.4	16.90	54.2	16.39	53.3	15.39	52.5	14.88	50.6	13.51
	5	130.8	82.9	19.06	78.6	18.14	74.8	17.56	73.2	16.55	69.9	15.96	66.7	14.49
		163.5	83.1	19.16	78.7	18.23	74.8	17.65	73.2	16.62	69.9	16.04	66.7	14.57
		327.0	83.8	19.53	79.3	18.61	74.9	18.03	73.2	16.93	69.9	16.39	66.7	14.88
		408.8	83.8	19.67	79.2	18.75	74.9	18.16	73.2	17.07	69.9	16.49	66.7	14.98
		490.5	83.8	19.74	79.2	18.81	74.9	18.23	73.2	17.14	69.9	16.54	66.7	15.03
	10	130.8	83.3	17.55	78.8	16.59	74.9	15.97	73.2	15.09	69.9	14.47	66.7	13.24
		163.5	83.4	17.51	78.9	16.56	74.9	15.94	73.2	15.09	69.9	14.47	66.7	13.24
		327.0	83.8	17.38	79.2	16.42	74.9	15.80	73.2	15.09	69.9	14.47	66.7	13.24
		408.8	83.8	17.45	79.2	16.49	74.9	15.87	73.2	15.15	69.9	14.37	66.7	13.27
		490.5	83.8	17.48	79.2	16.52	74.9	15.91	73.2	15.19	69.9	14.32	66.7	13.29
	15	130.8	83.8	16.04	79.2	15.04	74.9	14.40	73.2	13.62	69.9	12.98	66.7	11.99
		163.5	83.8	15.87	79.2	14.88	74.9	14.23	73.2	13.55	69.9	12.90	66.7	11.90
		327.0	83.8	15.22	79.2	14.23	74.9	13.55	73.2	13.24	69.9	12.55	66.7	11.56
		408.8	83.8	15.22	79.2	14.23	74.9	13.55	73.2	13.24	69.9	12.25	66.7	11.56
		490.5	83.8	15.22	79.2	14.23	74.9	13.55	73.2	13.24	69.9	12.09	66.7	11.56
	20	130.8	83.8	13.32	79.2	12.63	74.9	12.33	73.2	11.99	69.9	11.34	66.7	10.65
		163.5	83.8	13.24	79.2	12.55	74.9	12.25	73.2	11.90	69.9	11.25	66.7	10.57
		327.0	83.8	12.90	79.2	12.25	74.9	11.90	73.2	11.56	69.9	10.91	66.7	10.26
		408.8	83.8	12.90	79.2	12.25	74.9	11.90	73.2	11.25	69.9	10.91	66.7	9.92
		490.5	83.8	12.90	79.2	12.25	74.9	11.90	73.2	11.10	69.9	10.91	66.7	9.75
	25	130.8	83.8	11.99	79.2	11.34	74.9	10.65	73.2	10.35	69.9	9.58	66.7	8.93
		163.5	83.8	11.90	79.2	11.25	74.9	10.57	73.2	10.26	69.9	9.58	66.7	8.93
		327.0	83.8	11.56	79.2	10.91	74.9	10.26	73.2	9.92	69.9	9.58	66.7	8.93
		408.8	83.8	11.25	79.2	10.57	74.9	10.26	73.2	9.92	69.9	9.27	66.7	8.93
		490.5	83.8	11.10	79.2	10.40	74.9	10.26	73.2	9.92	69.9	9.11	66.7	8.93
	30	130.8	83.8	10.65	79.2	10.01	74.9	9.36	73.2	8.93	69.9	8.66	66.7	7.94
		163.5	83.8	10.57	79.2	9.92	74.9	9.27	73.2	8.93	69.9	8.59	66.7	7.94
		327.0	83.8	10.26	79.2	9.58	74.9	8.93	73.2	8.93	69.9	8.28	66.7	7.94
		408.8	83.8	10.26	79.2	9.58	74.9	8.93	73.2	8.59	69.9	8.28	66.7	7.94
		490.5	83.8	10.26	79.2	9.58	74.9	8.93	73.2	8.41	69.9	8.28	66.7	7.94
	35	130.8	83.8	9.66	79.2	9.01	74.9	8.28	73.2	8.36	69.9	7.59	66.7	7.37
		163.5	83.8	9.58	79.2	8.93	74.9	8.28	73.2	8.28	69.9	7.59	66.7	7.29
		327.0	83.8	9.27	79.2	8.59	74.9	8.28	73.2	7.94	69.9	7.59	66.7	6.94
		408.8	83.8	9.27	79.2	8.59	74.9	7.94	73.2	7.94	69.9	7.59	66.7	6.94
		490.5	83.8	9.27	79.2	8.59	74.9	7.76	73.2	7.94	69.9	7.59	66.7	6.94
	40	130.8	83.8	9.01	79.2	8.36	74.9	7.67	73.2	7.29	69.9	6.94	66.7	6.68
		163.5	83.8	8.93	79.2	8.28	74.9	7.59	73.2	7.29	69.9	6.94	66.7	6.60
		327.0	83.8	8.59	79.2	7.94	74.9	7.29	73.2	7.29	69.9	6.94	66.7	6.29
		408.8	83.8	8.59	79.2	7.94	74.9	7.29	73.2	6.94	69.9	6.60	66.7	6.29
		490.5	83.8	8.59	79.2	7.94	74.9	7.29	73.2	6.77	69.9	6.43	66.7	6.29
	45	130.8	83.8	8.36	79.2	7.67	74.9	7.11	73.2	6.22	69.9	6.29	66.7	6.04
		163.5	83.8	8.28	79.2	7.59	74.9	6.94	73.2	6.29	69.9	6.29	66.7	5.95
		327.0	83.8	7.94	79.2	7.29	74.9	6.29	73.2	6.60	69.9	6.29	66.7	5.61
		408.8	83.8	7.94	79.2	7.29	74.9	6.60	73.2	5.95	69.9	5.61	66.7	5.61
		490.5	83.8	7.94	79.2	7.29	74.9	6.76	73.2	5.62	69.9	5.27	66.7	5.61
60	-5	130.8	28.8	9.70	27.0	9.34	25.5	8.97	25.2	8.34	25.1	8.20	24.6	7.33
		163.5	29.8	9.92	27.9	9.54	26.4	9.17	26.1	8.52	26.0	8.38	25.5	7.49
		327.0	33.8	10.78	31.6	10.36	29.9	9.95	29.6	9.24	29.5	9.10	28.9	8.14
		408.8	37.3	11.60	34.9	11.19	33.1	10.74	32.7	9.99	32.6	9.82	31.9	8.76
		490.5	39.0	12.01	36.5	11.60	34.7	11.14	34.2	10.37	34.1	10.18	33.4	9.07

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	130.8	51.5	14.22	47.4	13.72	44.3	13.13	43.4	12.21	42.8	12.04	41.2	10.75
		163.5	51.8	14.26	47.7	13.75	44.5	13.17	43.6	12.25	43.0	12.08	41.4	10.78
		327.0	53.0	14.44	48.8	13.89	45.6	13.34	44.6	12.38	44.0	12.21	42.3	10.88
		408.8	53.8	14.44	49.6	13.89	46.3	13.34	45.3	12.38	44.7	12.21	43.0	10.88
		490.5	54.2	14.44	50.0	13.89	46.7	13.34	45.7	12.38	45.1	12.21	43.4	10.88
	5	130.8	71.2	15.49	67.1	14.90	64.4	14.29	62.8	13.31	60.1	13.10	57.2	11.67
		163.5	71.3	15.56	67.2	14.98	64.4	14.37	62.8	13.37	60.1	13.17	57.2	11.73
		327.0	71.9	15.87	67.7	15.29	64.4	14.67	62.8	13.65	60.1	13.44	57.2	11.97
		408.8	71.9	16.01	67.6	15.39	64.4	14.78	62.8	13.75	60.1	13.51	57.2	12.08
		490.5	71.9	16.08	67.6	15.44	64.4	14.83	62.8	13.80	60.1	13.55	57.2	12.13
	10	130.8	71.6	14.23	67.4	13.61	64.4	12.96	62.8	12.11	60.1	11.88	57.2	10.65
		163.5	71.6	14.23	67.4	13.61	64.4	12.96	62.8	12.14	60.1	11.87	57.2	10.67
		327.0	71.9	14.23	67.7	13.61	64.4	12.96	62.8	12.28	60.1	11.84	57.2	10.78
		408.8	71.9	14.26	67.6	13.48	64.4	12.83	62.8	12.14	60.1	11.73	57.2	10.67
		490.5	71.9	14.28	67.6	13.41	64.4	12.76	62.8	12.07	60.1	11.68	57.2	10.62
	15	130.8	71.9	12.98	67.6	12.33	64.4	11.64	62.8	10.91	60.1	10.65	57.2	9.58
		163.5	71.9	12.90	67.6	12.25	64.4	11.56	62.8	10.91	60.1	10.57	57.2	9.58
		327.0	71.9	12.55	67.6	11.90	64.4	11.25	62.8	10.91	60.1	10.26	57.2	9.58
		408.8	71.9	12.55	67.6	11.56	64.4	10.91	62.8	10.57	60.1	9.92	57.2	9.27
		490.5	71.9	12.55	67.6	11.39	64.4	10.74	62.8	10.40	60.1	9.75	57.2	9.11
	20	130.8	71.9	11.34	67.6	10.65	64.4	10.01	62.8	9.66	60.1	9.36	57.2	8.66
		163.5	71.9	11.25	67.6	10.57	64.4	9.92	62.8	9.58	60.1	9.27	57.2	8.59
		327.0	71.9	10.91	67.6	10.26	64.4	9.58	62.8	9.27	60.1	8.93	57.2	8.28
		408.8	71.9	10.91	67.6	10.26	64.4	9.58	62.8	9.27	60.1	8.93	57.2	8.28
		490.5	71.9	10.91	67.6	10.26	64.4	9.58	62.8	9.27	60.1	8.93	57.2	8.28
	25	130.8	71.9	10.01	67.6	9.36	64.4	8.59	62.8	8.66	60.1	7.94	57.2	7.67
		163.5	71.9	9.92	67.6	9.27	64.4	8.59	62.8	8.59	60.1	7.94	57.2	7.59
		327.0	71.9	9.58	67.6	8.93	64.4	8.59	62.8	8.28	60.1	7.94	57.2	7.29
		408.8	71.9	9.58	67.6	8.93	64.4	8.28	62.8	8.28	60.1	7.94	57.2	7.29
		490.5	71.9	9.58	67.6	8.93	64.4	8.12	62.8	8.28	60.1	7.94	57.2	7.29
	30	130.8	71.9	9.01	67.6	8.36	64.4	8.02	62.8	7.67	60.1	7.37	57.2	7.03
		163.5	71.9	8.93	67.6	8.28	64.4	7.94	62.8	7.59	60.1	7.29	57.2	6.94
		327.0	71.9	8.59	67.6	7.94	64.4	7.59	62.8	7.29	60.1	6.94	57.2	6.60
		408.8	71.9	8.59	67.6	7.94	64.4	7.59	62.8	7.29	60.1	6.94	57.2	6.60
		490.5	71.9	8.59	67.6	7.94	64.4	7.59	62.8	7.29	60.1	6.94	57.2	6.60
	35	130.8	71.9	7.94	67.6	7.67	64.4	6.94	62.8	7.03	60.1	6.68	57.2	6.38
		163.5	71.9	7.94	67.6	7.59	64.4	6.94	62.8	6.94	60.1	6.60	57.2	6.29
		327.0	71.9	7.94	67.6	7.29	64.4	6.94	62.8	6.60	60.1	6.29	57.2	5.95
		408.8	71.9	7.94	67.6	7.29	64.4	6.60	62.8	6.60	60.1	6.29	57.2	5.95
		490.5	71.9	7.94	67.6	7.29	64.4	6.43	62.8	6.60	60.1	6.29	57.2	5.95
	40	130.8	71.9	7.29	67.6	7.03	64.4	6.29	62.8	6.38	60.1	6.04	57.2	5.61
		163.5	71.9	7.29	67.6	6.94	64.4	6.29	62.8	6.29	60.1	5.95	57.2	5.61
		327.0	71.9	7.29	67.6	6.60	64.4	6.29	62.8	5.95	60.1	5.61	57.2	5.61
		408.8	71.9	7.29	67.6	6.60	64.4	6.29	62.8	5.95	60.1	5.61	57.2	5.61
		490.5	71.9	7.29	67.6	6.60	64.4	6.29	62.8	5.95	60.1	5.61	57.2	5.61
	45	130.8	71.9	6.60	67.6	6.38	64.4	5.61	62.8	5.69	60.1	5.39	57.2	4.87
		163.5	71.9	6.60	67.6	6.29	64.4	5.61	62.8	5.61	60.1	5.30	57.2	4.96
		327.0	71.9	6.60	67.6	5.95	64.4	5.61	62.8	5.30	60.1	4.96	57.2	5.30
		408.8	71.9	6.60	67.6	5.95	64.4	5.95	62.8	5.30	60.1	4.96	57.2	5.30
		490.5	71.9	6.60	67.6	5.95	64.4	6.12	62.8	5.30	60.1	4.96	57.2	5.30
50	-5	130.8	24.0	7.74	22.6	7.33	21.3	6.93	21.0	6.56	20.9	6.16	20.5	5.83
		163.5	24.8	7.90	23.3	7.49	22.0	7.08	21.7	6.70	21.6	6.29	21.2	5.95
		327.0	28.0	8.55	26.3	8.14	24.9	7.66	24.6	7.29	24.5	6.84	24.0	6.43
		408.8	31.0	9.24	29.1	8.76	27.5	8.28	27.2	7.87	27.0	7.35	26.6	6.94
		490.5	32.5	9.58	30.5	9.07	28.8	8.59	28.5	8.16	28.3	7.61	27.9	7.20
	0	130.8	42.8	11.33	39.6	10.75	36.8	10.12	36.0	9.61	35.5	9.04	34.3	8.53
		163.5	43.0	11.36	39.9	10.78	37.1	10.16	36.3	9.65	35.8	9.06	34.5	8.55
		327.0	44.0	11.46	40.7	10.88	38.0	10.30	37.2	9.78	36.7	9.17	35.3	8.65
		408.8	44.7	11.46	41.3	10.88	38.5	10.30	37.8	9.78	37.2	9.17	35.9	8.65
		490.5	45.1	11.46	41.6	10.88	38.7	10.30	38.1	9.78	37.4	9.17	36.2	8.65
	5	130.8	59.2	12.32	56.1	11.67	53.5	11.02	52.2	10.48	49.9	9.84	47.6	9.25
		163.5	59.3	12.38	56.2	11.73	53.5	11.08	52.2	10.54	49.9	9.89	47.6	9.30
		327.0	59.8	12.62	56.6	11.97	53.6	11.32	52.2	10.74	49.9	10.06	47.6	9.51
		408.8	59.8	12.72	56.5	12.08	53.6	11.39	52.2	10.81	49.9	10.16	47.6	9.58
		490.5	59.8	12.78	56.4	12.13	53.6	11.43	52.2	10.84	49.9	10.21	47.6	9.61

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(34HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	130.8	59.5	11.34	56.2	10.68	53.5	10.04	52.2	9.60	49.9	8.87	47.6	8.47
		163.5	59.6	11.32	56.3	10.67	53.5	10.02	52.2	9.58	49.9	8.89	47.6	8.45
		327.0	59.8	11.25	56.6	10.64	53.6	9.95	52.2	9.51	49.9	9.00	47.6	8.38
		408.8	59.8	11.32	56.5	10.67	53.6	9.99	52.2	9.54	49.9	8.86	47.6	8.41
		490.5	59.8	11.36	56.4	10.69	53.6	10.01	52.2	9.56	49.9	8.79	47.6	8.43
	15	130.8	59.8	10.35	56.5	9.66	53.6	9.01	52.2	8.66	49.9	7.94	47.6	7.67
		163.5	59.8	10.26	56.5	9.58	53.6	8.93	52.2	8.59	49.9	7.94	47.6	7.59
		327.0	59.8	9.92	56.5	9.27	53.6	8.59	52.2	8.28	49.9	7.94	47.6	7.29
		408.8	59.8	9.92	56.5	9.27	53.6	8.59	52.2	8.28	49.9	7.59	47.6	7.29
		490.5	59.8	9.92	56.5	9.27	53.6	8.59	52.2	8.28	49.9	7.42	47.6	7.29
	20	130.8	59.8	9.01	56.5	8.36	53.6	8.02	52.2	7.67	49.9	7.37	47.6	6.60
		163.5	59.8	8.93	56.5	8.28	53.6	7.94	52.2	7.59	49.9	7.29	47.6	6.60
		327.0	59.8	8.59	56.5	7.94	53.6	7.59	52.2	7.29	49.9	6.94	47.6	6.60
		408.8	59.8	8.59	56.5	7.94	53.6	7.59	52.2	7.29	49.9	6.94	47.6	6.60
		490.5	59.8	8.59	56.5	7.94	53.6	7.59	52.2	7.29	49.9	6.94	47.6	6.60
	25	130.8	59.8	8.02	56.5	7.29	53.6	7.03	52.2	6.60	49.9	6.29	47.6	5.95
		163.5	59.8	7.94	56.5	7.29	53.6	6.94	52.2	6.60	49.9	6.29	47.6	5.95
		327.0	59.8	7.59	56.5	7.29	53.6	6.60	52.2	6.60	49.9	6.29	47.6	5.95
		408.8	59.8	7.59	56.5	7.29	53.6	6.60	52.2	6.60	49.9	6.29	47.6	5.95
		490.5	59.8	7.59	56.5	7.29	53.6	6.60	52.2	6.60	49.9	6.29	47.6	5.95
	30	130.8	59.8	7.37	56.5	6.68	53.6	6.38	52.2	5.95	49.9	6.04	47.6	5.69
		163.5	59.8	7.29	56.5	6.60	53.6	6.29	52.2	5.95	49.9	5.95	47.6	5.61
		327.0	59.8	6.94	56.5	6.29	53.6	5.95	52.2	5.95	49.9	5.61	47.6	5.30
		408.8	59.8	6.94	56.5	6.29	53.6	5.95	52.2	5.95	49.9	5.61	47.6	5.30
		490.5	59.8	6.94	56.5	6.29	53.6	5.95	52.2	5.95	49.9	5.61	47.6	5.30
	35	130.8	59.8	6.68	56.5	5.95	53.6	5.61	52.2	5.69	49.9	5.30	47.6	4.96
		163.5	59.8	6.60	56.5	5.95	53.6	5.61	52.2	5.61	49.9	5.30	47.6	4.96
		327.0	59.8	6.29	56.5	5.95	53.6	5.61	52.2	5.30	49.9	5.30	47.6	4.96
		408.8	59.8	6.29	56.5	5.95	53.6	5.61	52.2	5.30	49.9	5.30	47.6	4.96
		490.5	59.8	6.29	56.5	5.95	53.6	5.61	52.2	5.30	49.9	5.30	47.6	4.96
	40	130.8	59.8	6.04	56.5	5.69	53.6	5.39	52.2	4.96	49.9	5.05	47.6	4.62
		163.5	59.8	5.95	56.5	5.61	53.6	5.30	52.2	4.96	49.9	4.96	47.6	4.62
		327.0	59.8	5.61	56.5	5.30	53.6	4.96	52.2	4.96	49.9	4.62	47.6	4.62
		408.8	59.8	5.61	56.5	5.30	53.6	4.96	52.2	4.96	49.9	4.62	47.6	4.62
		490.5	59.8	5.61	56.5	5.30	53.6	4.96	52.2	4.96	49.9	4.62	47.6	4.62
	45	130.8	59.8	5.39	56.5	5.47	53.6	5.12	52.2	4.23	49.9	4.78	47.6	4.31
		163.5	59.8	5.30	56.5	5.30	53.6	4.96	52.2	4.31	49.9	4.62	47.6	4.31
		327.0	59.8	4.96	56.5	4.62	53.6	4.31	52.2	4.62	49.9	3.97	47.6	4.31
		408.8	59.8	4.96	56.5	4.62	53.6	4.31	52.2	4.62	49.9	3.97	47.6	4.31
		490.5	59.8	4.96	56.5	4.62	53.6	4.31	52.2	4.62	49.9	3.97	47.6	4.31

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(36HP)

ARWN360LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	138.4	53.6	21.22	53.3	19.98	52.9	18.60	52.2	18.05	52.8	17.58	51.4	15.76
		173.0	55.5	21.59	55.1	20.36	54.7	19.00	54.0	18.44	54.6	17.95	53.2	16.10
		346.0	62.8	23.05	62.2	21.90	61.9	20.61	61.1	20.02	61.8	19.46	60.2	17.47
		432.5	69.4	24.52	68.8	23.40	68.4	22.22	67.5	21.62	68.4	20.99	66.6	18.83
		519.0	72.8	25.26	72.1	24.16	71.6	23.03	70.8	22.43	71.7	21.77	69.8	19.51
	0	138.4	95.8	29.02	93.7	28.15	91.7	27.24	89.7	26.47	90.0	25.74	85.9	23.05
		173.0	96.4	29.10	94.2	28.22	92.2	27.32	90.2	26.55	90.5	25.81	86.4	23.12
		346.0	98.7	29.41	96.3	28.50	94.3	27.63	92.3	26.86	92.6	26.09	88.5	23.40
		432.5	100.2	29.41	97.8	28.50	95.8	27.63	93.7	26.86	94.0	26.09	89.8	23.40
		519.0	101.0	29.41	98.5	28.50	96.5	27.63	94.4	26.86	94.7	26.09	90.4	23.40
	5	138.4	138.0	31.19	135.9	30.42	133.1	29.65	129.8	28.81	126.3	28.01	119.3	25.09
		173.0	138.5	31.33	136.2	30.56	133.1	29.80	129.8	28.96	126.3	28.15	119.3	25.22
		346.0	140.4	31.89	137.1	31.12	133.2	30.39	129.8	29.55	126.3	28.71	119.3	25.74
		432.5	141.2	32.10	137.6	31.33	133.2	30.60	129.8	29.76	126.3	28.92	119.3	25.92
		519.0	141.7	32.21	137.8	31.44	133.2	30.71	129.8	29.87	126.3	29.03	119.3	26.01
	10	138.4	138.2	28.38	136.0	27.43	132.7	26.91	129.2	26.31	125.8	25.41	118.8	22.93
		173.0	139.0	28.33	136.6	27.46	133.2	26.97	129.8	26.30	126.3	25.39	119.3	22.91
		346.0	142.3	28.12	139.1	27.56	135.3	27.18	131.9	26.27	128.2	25.33	121.2	22.84
		432.5	143.0	28.50	140.1	27.94	136.2	27.28	132.5	26.37	129.0	25.74	121.9	23.93
		519.0	143.4	28.70	140.6	28.14	136.6	27.33	132.8	26.43	129.4	25.96	122.3	24.47
	15	138.4	138.4	25.58	136.0	24.49	132.2	24.23	128.7	23.82	125.3	22.81	118.3	20.79
		173.0	139.6	25.33	137.0	24.38	133.2	24.17	129.8	23.65	126.3	22.64	119.3	20.61
		346.0	144.1	24.31	141.1	23.96	137.5	23.96	134.0	22.95	130.1	21.94	123.1	19.91
		432.5	144.8	24.91	142.5	24.52	139.1	23.96	135.3	22.95	131.9	22.57	124.6	21.94
		519.0	145.2	25.21	143.2	24.80	140.0	23.96	136.0	22.95	132.8	22.88	125.3	22.96
	20	138.4	143.7	23.47	141.1	22.37	137.3	21.88	133.5	21.18	129.7	20.71	122.0	20.08
		173.0	144.8	23.30	142.2	22.36	138.4	21.87	134.6	21.27	130.8	20.85	123.1	19.91
		346.0	149.4	22.64	146.7	22.29	142.6	21.80	138.8	21.62	135.3	21.41	127.6	19.25
		432.5	150.0	22.64	147.8	22.29	144.3	21.94	140.2	21.62	136.4	21.41	128.7	20.47
		519.0	150.3	22.64	148.3	22.29	145.2	22.01	140.9	21.62	136.9	21.41	129.2	21.09
	25	138.4	151.7	22.37	147.8	21.73	144.3	21.36	141.6	21.00	138.4	20.70	130.5	19.34
		173.0	151.7	22.29	147.8	21.69	144.3	21.27	141.6	20.92	138.4	20.61	130.5	19.25
		346.0	151.7	21.94	147.8	21.55	144.3	20.92	141.6	20.61	138.4	20.26	130.5	18.90
		432.5	151.7	21.62	147.8	20.99	144.3	20.61	141.6	20.26	138.4	19.91	130.5	18.58
		519.0	151.7	21.46	147.8	20.71	144.3	20.45	141.6	20.08	138.4	19.73	130.5	18.42
	30	138.4	151.7	21.80	147.8	20.71	144.3	20.52	141.6	19.99	138.4	19.77	130.5	18.40
		173.0	151.7	21.62	147.8	20.68	144.3	20.40	141.6	19.91	138.4	19.60	130.5	18.23
		346.0	151.7	20.92	147.8	20.54	144.3	19.91	141.6	19.60	138.4	18.90	130.5	17.57
		432.5	151.7	20.61	147.8	19.98	144.3	19.60	141.6	19.25	138.4	18.90	130.5	17.57
		519.0	151.7	20.45	147.8	19.70	144.3	19.44	141.6	19.07	138.4	18.90	130.5	17.57
	35	138.4	151.7	20.79	147.8	20.10	144.3	19.68	141.6	18.98	138.4	18.32	130.5	17.04
		173.0	151.7	20.61	147.8	19.98	144.3	19.60	141.6	18.90	138.4	18.23	130.5	16.87
		346.0	151.7	19.91	147.8	19.53	144.3	19.25	141.6	18.58	138.4	17.88	130.5	16.21
		432.5	151.7	19.91	147.8	19.32	144.3	18.90	141.6	18.23	138.4	17.57	130.5	16.21
		519.0	151.7	19.91	147.8	19.21	144.3	18.72	141.6	18.06	138.4	17.41	130.5	16.21
	40	138.4	151.7	20.08	147.8	19.44	144.3	19.07	141.6	18.40	138.4	17.75	130.5	16.03
		173.0	151.7	19.91	147.8	19.32	144.3	18.90	141.6	18.23	138.4	17.57	130.5	15.86
		346.0	151.7	19.25	147.8	18.83	144.3	18.23	141.6	17.57	138.4	16.87	130.5	15.20
		432.5	151.7	18.90	147.8	18.51	144.3	18.23	141.6	17.57	138.4	16.87	130.5	15.20
		519.0	151.7	18.72	147.8	18.36	144.3	18.23	141.6	17.57	138.4	16.87	130.5	15.20
	45	138.4	151.7	19.41	147.8	18.78	144.3	18.49	141.6	17.83	138.4	17.13	130.5	15.01
		173.0	151.7	19.25	147.8	18.65	144.3	18.23	141.6	17.57	138.4	16.87	130.5	14.85
		346.0	151.7	18.58	147.8	18.16	144.3	17.22	141.6	16.56	138.4	15.86	130.5	14.18
		432.5	151.7	17.88	147.8	17.71	144.3	17.57	141.6	16.87	138.4	16.21	130.5	14.18
		519.0	151.7	17.53	147.8	17.48	144.3	17.75	141.6	17.03	138.4	16.38	130.5	14.18
120	-5	138.4	51.0	21.22	50.6	19.98	50.3	18.60	49.7	17.81	50.1	17.30	48.7	15.48
		173.0	52.7	21.59	52.3	20.36	52.0	19.00	51.4	18.20	51.8	17.68	50.4	15.82
		346.0	59.7	23.05	59.2	21.90	58.9	20.61	58.1	19.74	58.7	19.18	57.1	17.19
		432.5	65.9	24.52	65.4	23.40	65.0	22.22	64.2	21.31	64.8	20.68	63.0	18.51
		519.0	69.1	25.26	68.5	24.16	68.1	23.03	67.3	22.10	67.9	21.44	66.0	19.18
	0	138.4	91.1	29.02	88.9	28.15	87.0	27.24	85.3	26.08	85.3	25.36	81.4	22.67
		173.0	91.7	29.10	89.5	28.22	87.6	27.32	85.8	26.16	85.8	25.43	81.9	22.74
		346.0	93.8	29.41	91.6	28.50	89.7	27.63	87.8	26.48	87.8	25.71	83.9	23.02
		432.5	95.3	29.41	93.0	28.50	91.0	27.63	89.1	26.48	89.0	25.71	85.1	23.02
		519.0	96.0	29.41	93.8	28.50	91.7	27.63	89.8	26.48	89.7	25.71	85.8	23.02

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	138.4	131.4	31.19	129.4	30.42	126.6	29.65	123.5	28.39	119.6	27.59	113.1	24.71
		173.0	131.9	31.33	129.6	30.56	126.6	29.80	123.5	28.54	119.6	27.74	113.1	24.84
		346.0	133.8	31.89	130.6	31.12	126.6	30.39	123.5	29.13	119.6	28.29	113.1	25.33
		432.5	134.5	32.10	129.9	31.33	126.6	30.60	123.5	29.34	119.6	28.50	113.1	25.50
		519.0	134.9	32.21	129.5	31.44	126.6	30.71	123.5	29.45	119.6	28.61	113.1	25.59
	10	138.4	131.9	28.02	129.4	27.25	126.2	26.70	123.2	25.88	119.3	25.03	112.8	22.50
		173.0	132.5	28.12	130.0	27.35	126.6	26.79	123.5	25.92	119.6	25.01	113.1	22.53
		346.0	134.9	28.50	132.1	27.77	128.0	27.18	124.9	26.06	120.9	24.94	114.2	22.64
		432.5	135.7	28.40	131.6	27.77	128.5	27.28	125.4	26.16	121.4	25.05	114.8	23.40
		519.0	136.0	28.35	131.4	27.77	128.8	27.33	125.7	26.22	121.7	25.10	115.0	23.79
	15	138.4	132.2	24.85	129.6	24.12	125.9	23.74	122.8	23.39	119.0	22.45	112.5	20.35
		173.0	133.0	24.91	130.4	24.17	126.6	23.79	123.5	23.30	119.6	22.29	113.1	20.26
		346.0	136.1	25.12	133.5	24.38	129.4	23.96	126.3	22.95	122.1	21.62	115.5	19.91
		432.5	136.8	24.73	133.4	24.17	130.5	23.96	127.3	22.95	123.1	21.62	116.6	21.27
		519.0	137.2	24.54	133.4	24.07	131.0	23.96	127.9	22.95	123.6	21.62	117.1	21.96
	20	138.4	135.9	22.36	133.4	21.40	129.3	20.84	125.8	20.53	121.7	20.28	115.1	19.25
		173.0	136.8	22.36	134.2	21.48	130.1	20.92	126.6	20.61	122.5	20.26	115.8	19.18
		346.0	140.3	22.36	137.3	21.80	132.9	21.27	129.8	20.92	125.5	20.19	118.6	18.90
		432.5	140.9	22.15	137.2	21.62	134.0	21.27	130.5	20.92	126.3	20.26	119.3	19.60
		519.0	141.3	22.04	137.2	21.53	134.5	21.27	130.9	20.92	126.6	20.30	119.7	19.95
	25	138.4	142.5	21.14	138.4	20.16	134.0	19.77	131.1	19.34	127.6	18.98	120.7	17.66
		173.0	142.6	21.06	138.4	20.12	134.0	19.74	131.1	19.25	127.6	18.90	120.7	17.57
		346.0	142.9	20.75	138.4	19.98	134.0	19.60	131.1	18.90	127.6	18.58	120.7	17.22
		432.5	143.4	19.98	138.4	19.46	134.0	19.25	131.1	18.90	127.6	18.23	120.7	17.22
		519.0	143.6	19.59	138.4	19.19	134.0	19.07	131.1	18.90	127.6	18.06	120.7	17.22
	30	138.4	143.4	20.22	138.4	19.22	134.0	18.67	131.1	17.96	127.6	17.75	120.7	16.30
		173.0	143.4	20.05	138.4	19.11	134.0	18.58	131.1	17.88	127.6	17.57	120.7	16.21
		346.0	143.4	19.39	138.4	18.65	134.0	18.23	131.1	17.57	127.6	16.87	120.7	15.86
		432.5	143.4	18.76	138.4	18.23	134.0	17.88	131.1	17.57	127.6	16.87	120.7	15.54
		519.0	143.4	18.44	138.4	18.02	134.0	17.71	131.1	17.57	127.6	16.87	120.7	15.39
	35	138.4	143.4	19.31	138.4	18.26	134.0	17.75	131.1	17.04	127.6	16.38	120.7	14.93
		173.0	143.4	19.04	138.4	18.09	134.0	17.57	131.1	16.87	127.6	16.21	120.7	14.85
		346.0	143.4	17.95	138.4	17.43	134.0	16.87	131.1	16.21	127.6	15.54	120.7	14.53
		432.5	143.4	17.74	138.4	17.29	134.0	16.87	131.1	16.21	127.6	15.54	120.7	14.18
		519.0	143.4	17.64	138.4	17.22	134.0	16.87	131.1	16.21	127.6	15.54	120.7	14.01
	40	138.4	143.4	18.74	138.4	17.42	134.0	16.73	131.1	16.03	127.6	15.36	120.7	13.91
		173.0	143.4	18.37	138.4	17.22	134.0	16.56	131.1	15.86	127.6	15.20	120.7	13.83
		346.0	143.4	16.94	138.4	16.42	134.0	15.86	131.1	15.20	127.6	14.53	120.7	13.52
		432.5	143.4	16.73	138.4	16.21	134.0	15.86	131.1	15.20	127.6	14.53	120.7	13.17
		519.0	143.4	16.63	138.4	16.10	134.0	15.86	131.1	15.20	127.6	14.53	120.7	12.99
	45	138.4	143.4	18.16	138.4	16.59	134.0	15.72	131.1	15.01	127.6	14.35	120.7	12.90
		173.0	143.4	17.71	138.4	16.35	134.0	15.54	131.1	14.85	127.6	14.18	120.7	12.82
		346.0	143.4	15.93	138.4	15.40	134.0	14.85	131.1	14.18	127.6	13.52	120.7	12.51
		432.5	143.4	15.72	138.4	15.13	134.0	14.85	131.1	14.18	127.6	13.52	120.7	12.16
		519.0	143.4	15.61	138.4	14.98	134.0	14.85	131.1	14.18	127.6	13.52	120.7	11.98
110	-5	138.4	48.2	21.50	47.9	19.98	47.6	18.60	47.1	17.81	47.2	17.30	46.2	15.48
		173.0	49.9	21.87	49.6	20.36	49.3	19.00	48.7	18.20	48.8	17.68	47.8	15.82
		346.0	56.4	23.33	56.1	21.90	55.8	20.61	55.2	19.74	55.2	19.18	54.1	17.19
		432.5	62.3	24.84	61.9	23.40	61.6	22.22	61.0	21.31	61.0	20.68	59.7	18.51
		519.0	65.3	25.59	64.8	24.16	64.5	23.03	63.9	22.10	63.9	21.44	62.5	19.18
	0	138.4	86.2	29.41	84.3	28.15	82.5	27.24	81.0	26.08	80.2	25.36	77.2	22.67
		173.0	86.7	29.48	84.8	28.22	83.0	27.32	81.4	26.16	80.7	25.43	77.6	22.74
		346.0	88.7	29.76	86.8	28.50	84.9	27.63	83.3	26.48	82.6	25.71	79.4	23.02
		432.5	90.1	29.76	88.2	28.50	86.3	27.63	84.6	26.48	83.9	25.71	80.6	23.02
		519.0	90.8	29.76	88.9	28.50	87.0	27.63	85.2	26.48	84.5	25.71	81.2	23.02
	5	138.4	125.7	31.61	122.8	30.42	119.9	29.65	117.2	28.39	112.7	27.59	107.2	24.71
		173.0	126.2	31.75	123.0	30.56	119.9	29.80	117.2	28.54	112.7	27.74	107.2	24.84
		346.0	127.9	32.31	123.9	31.12	120.0	30.39	117.2	29.13	112.7	28.29	107.2	25.33
		432.5	128.6	32.52	124.3	31.33	120.0	30.60	117.2	29.34	112.7	28.50	107.2	25.50
		519.0	129.0	32.63	124.4	31.44	120.0	30.71	117.2	29.45	112.7	28.61	107.2	25.59
	10	138.4	126.2	28.35	123.1	27.38	119.8	26.78	117.0	25.88	112.5	25.03	107.0	22.50
		173.0	126.7	28.40	123.4	27.46	119.9	26.86	117.2	25.92	112.7	25.01	107.2	22.53
		346.0	128.6	28.61	124.7	27.77	120.7	27.18	117.9	26.06	113.4	24.94	107.7	22.64
		432.5	129.3	28.61	125.2	27.77	121.1	27.11	118.1	25.99	113.6	25.05	108.0	22.88
		519.0	129.7	28.61	125.5	27.77	121.3	27.07	118.3	25.95	113.7	25.10	108.2	23.00

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	138.4	126.6	25.08	123.3	24.38	119.7	23.96	116.9	23.39	112.3	22.45	106.9	20.35
		173.0	127.1	25.05	123.7	24.38	120.0	23.96	117.2	23.30	112.7	22.29	107.2	20.26
		346.0	129.2	24.91	125.5	24.38	121.4	23.96	118.6	22.95	114.1	21.62	108.2	19.91
		432.5	130.0	24.73	126.2	24.17	122.1	23.65	119.0	22.64	114.5	21.62	108.9	20.26
		519.0	130.3	24.64	126.5	24.07	122.4	23.49	119.2	22.48	114.6	21.62	109.2	20.44
	20	138.4	129.0	21.65	125.4	21.13	121.4	20.61	118.1	20.26	113.8	19.68	107.8	18.41
		173.0	129.6	21.69	125.8	21.13	121.7	20.61	118.6	20.26	114.1	19.60	108.2	18.37
		346.0	132.4	21.87	127.5	21.13	123.1	20.61	120.4	20.26	115.5	19.25	109.9	18.23
		432.5	133.1	21.87	128.6	21.13	123.8	20.61	120.7	19.91	116.1	19.25	110.2	18.23
		519.0	133.5	21.87	129.1	21.13	124.2	20.61	120.8	19.73	116.5	19.25	110.4	18.23
	25	138.4	133.0	19.70	129.0	18.98	123.8	18.67	121.1	17.96	116.9	17.31	110.7	15.86
		173.0	133.2	19.67	129.0	18.90	123.8	18.58	121.1	17.88	116.9	17.22	110.7	15.86
		346.0	134.3	19.53	129.0	18.58	123.8	18.23	121.1	17.57	116.9	16.87	110.7	15.86
		432.5	134.9	19.53	129.0	18.65	123.8	17.88	121.1	17.57	116.9	16.56	110.7	15.54
		519.0	135.2	19.53	129.0	18.69	123.8	17.71	121.1	17.57	116.9	16.40	110.7	15.39
	30	138.4	134.9	17.96	129.0	17.31	123.8	16.65	121.1	16.30	116.9	15.28	110.7	14.27
		173.0	134.9	17.88	129.0	17.22	123.8	16.56	121.1	16.21	116.9	15.20	110.7	14.18
		346.0	134.9	17.57	129.0	16.87	123.8	16.21	121.1	15.86	116.9	14.85	110.7	13.83
		432.5	134.9	17.43	129.0	16.56	123.8	15.86	121.1	15.54	116.9	14.85	110.7	13.83
		519.0	134.9	17.36	129.0	16.40	123.8	15.68	121.1	15.39	116.9	14.85	110.7	13.83
	35	138.4	134.9	17.04	129.0	15.94	123.8	15.28	121.1	14.62	116.9	13.91	110.7	12.90
		173.0	134.9	16.87	129.0	15.86	123.8	15.20	121.1	14.53	116.9	13.83	110.7	12.82
		346.0	134.9	16.21	129.0	15.54	123.8	14.85	121.1	14.18	116.9	13.52	110.7	12.51
		432.5	134.9	15.79	129.0	15.20	123.8	14.53	121.1	14.18	116.9	13.52	110.7	12.51
		519.0	134.9	15.58	129.0	15.02	123.8	14.37	121.1	14.18	116.9	13.52	110.7	12.51
	40	138.4	134.9	16.03	129.0	15.36	123.8	14.35	121.1	13.61	116.9	12.90	110.7	11.89
		173.0	134.9	15.86	129.0	15.20	123.8	14.18	121.1	13.52	116.9	12.82	110.7	11.81
		346.0	134.9	15.20	129.0	14.53	123.8	13.52	121.1	13.17	116.9	12.51	110.7	11.49
		432.5	134.9	14.99	129.0	14.18	123.8	13.52	121.1	12.82	116.9	12.16	110.7	11.14
		519.0	134.9	14.88	129.0	14.01	123.8	13.52	121.1	12.64	116.9	11.98	110.7	10.97
	45	138.4	134.9	15.01	129.0	14.79	123.8	13.42	121.1	12.59	116.9	11.89	110.7	10.87
		173.0	134.9	14.85	129.0	14.53	123.8	13.17	121.1	12.51	116.9	11.81	110.7	10.79
		346.0	134.9	14.18	129.0	13.52	123.8	12.16	121.1	12.16	116.9	11.49	110.7	10.48
		432.5	134.9	14.18	129.0	13.17	123.8	12.51	121.1	11.49	116.9	10.79	110.7	9.78
		519.0	134.9	14.18	129.0	12.99	123.8	12.68	121.1	11.16	116.9	10.44	110.7	9.43
100	-5	138.4	45.6	21.50	45.3	20.26	45.1	18.60	44.7	17.81	44.3	17.02	43.4	15.48
		173.0	47.2	21.87	46.8	20.64	46.6	19.00	46.2	18.20	45.8	17.40	44.9	15.82
		346.0	53.4	23.33	53.1	22.18	52.7	20.61	52.2	19.74	51.8	18.90	51.0	17.19
		432.5	59.0	24.84	58.5	23.72	58.2	22.22	57.7	21.31	57.3	20.36	56.2	18.51
		519.0	61.8	25.59	61.3	24.49	61.0	23.03	60.5	22.10	60.0	21.10	58.9	19.18
	0	138.4	81.5	29.41	79.7	28.54	78.0	27.24	76.7	26.08	75.3	24.97	72.7	22.67
		173.0	82.0	29.48	80.2	28.61	78.5	27.32	77.1	26.16	75.7	25.05	73.1	22.74
		346.0	83.9	29.76	82.1	28.89	80.3	27.63	78.9	26.48	77.5	25.33	74.8	23.02
		432.5	85.1	29.76	83.3	28.89	81.5	27.63	80.1	26.48	78.7	25.33	76.0	23.02
		519.0	85.8	29.76	84.0	28.89	82.2	27.63	80.7	26.48	79.3	25.33	76.5	23.02
	5	138.4	120.3	31.61	116.2	30.84	113.3	29.65	111.0	28.39	105.7	27.17	100.8	24.71
		173.0	120.7	31.75	116.5	30.98	113.3	29.80	111.0	28.54	105.7	27.32	100.8	24.84
		346.0	122.4	32.31	117.3	31.54	113.4	30.39	111.0	29.13	105.7	27.87	100.8	25.33
		432.5	123.1	32.52	117.6	31.75	113.4	30.60	111.0	29.34	105.7	28.05	100.8	25.50
		519.0	123.5	32.63	117.8	31.86	113.4	30.71	111.0	29.45	105.7	28.14	100.8	25.59
	10	138.4	120.9	28.27	116.6	27.65	113.4	26.78	111.0	25.88	105.7	24.60	100.8	22.50
		173.0	121.2	28.40	116.8	27.74	113.4	26.86	111.0	25.92	105.7	24.63	100.8	22.53
		346.0	122.4	28.92	117.4	28.08	113.4	27.18	111.0	26.06	105.7	24.73	100.8	22.64
		432.5	123.2	28.82	117.9	28.08	113.4	27.11	111.0	25.99	105.7	24.66	100.8	22.53
		519.0	123.6	28.77	118.2	28.08	113.4	27.07	111.0	25.95	105.7	24.63	100.8	22.48
	15	138.4	121.6	24.92	117.1	24.50	113.4	23.96	111.0	23.39	105.7	22.02	100.8	20.35
		173.0	121.7	25.05	117.2	24.52	113.4	23.96	111.0	23.30	105.7	21.94	100.8	20.26
		346.0	122.4	25.53	117.5	24.59	113.4	23.96	111.0	22.95	105.7	21.62	100.8	19.91
		432.5	123.4	25.12	118.1	24.38	113.4	23.65	111.0	22.64	105.7	21.27	100.8	19.60
		519.0	124.0	24.90	118.5	24.28	113.4	23.49	111.0	22.48	105.7	21.10	100.8	19.44
	20	138.4	122.2	21.32	117.8	20.77	113.4	20.26	111.0	19.99	105.7	18.67	100.8	17.75
		173.0	122.7	21.41	117.8	20.78	113.4	20.26	111.0	19.91	105.7	18.58	100.8	17.57
		346.0	124.5	21.80	118.1	20.85	113.4	20.26	111.0	19.60	105.7	18.23	100.8	16.87
		432.5	125.2	21.41	119.2	20.68	113.4	19.91	111.0	19.25	105.7	17.88	100.8	16.56
		519.0	125.6	21.22	119.7	20.59	113.4	19.73	111.0	19.07	105.7	17.71	100.8	16.40

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	138.4	123.7	18.64	119.6	18.05	113.4	17.31	111.0	16.65	105.7	15.63	100.8	14.18
		173.0	124.2	18.65	119.6	17.95	113.4	17.22	111.0	16.56	105.7	15.54	100.8	14.18
		346.0	126.0	18.72	119.6	17.57	113.4	16.87	111.0	16.21	105.7	15.20	100.8	14.18
		432.5	126.6	18.30	119.6	17.43	113.4	16.56	111.0	15.86	105.7	15.20	100.8	13.83
		519.0	126.9	18.09	119.6	17.36	113.4	16.40	111.0	15.68	105.7	15.20	100.8	13.66
	30	138.4	126.6	16.95	119.6	15.63	113.4	14.57	111.0	14.27	105.7	13.17	100.8	12.59
		173.0	126.6	16.87	119.6	15.54	113.4	14.53	111.0	14.18	105.7	13.17	100.8	12.51
		346.0	126.6	16.56	119.6	15.20	113.4	14.39	111.0	13.83	105.7	13.17	100.8	12.16
		432.5	126.6	16.21	119.6	15.20	113.4	14.18	111.0	13.83	105.7	12.82	100.8	12.16
		519.0	126.6	16.03	119.6	15.20	113.4	14.08	111.0	13.83	105.7	12.64	100.8	12.16
	35	138.4	126.6	15.72	119.6	14.35	113.4	12.85	111.0	12.59	105.7	11.89	100.8	10.87
		173.0	126.6	15.54	119.6	14.18	113.4	12.82	111.0	12.51	105.7	11.81	100.8	10.79
		346.0	126.6	14.85	119.6	13.52	113.4	12.68	111.0	12.16	105.7	11.49	100.8	10.48
		432.5	126.6	14.85	119.6	13.52	113.4	12.51	111.0	12.16	105.7	11.49	100.8	10.48
		519.0	126.6	14.85	119.6	13.52	113.4	12.42	111.0	12.16	105.7	11.49	100.8	10.48
	40	138.4	126.6	14.71	119.6	13.34	113.4	11.53	111.0	11.23	105.7	10.57	100.8	9.86
		173.0	126.6	14.53	119.6	13.17	113.4	11.49	111.0	11.14	105.7	10.48	100.8	9.78
		346.0	126.6	13.83	119.6	12.51	113.4	11.35	111.0	10.79	105.7	10.13	100.8	9.47
		432.5	126.6	13.52	119.6	12.51	113.4	11.14	111.0	10.79	105.7	10.13	100.8	9.47
		519.0	126.6	13.36	119.6	12.51	113.4	11.04	111.0	10.79	105.7	10.13	100.8	9.47
	45	138.4	126.6	13.69	119.6	12.32	113.4	10.17	111.0	9.86	105.7	9.21	100.8	8.85
		173.0	126.6	13.52	119.6	12.16	113.4	10.13	111.0	9.78	105.7	9.12	100.8	8.77
		346.0	126.6	12.82	119.6	11.49	113.4	9.99	111.0	9.47	105.7	8.77	100.8	8.45
		432.5	126.6	12.16	119.6	11.49	113.4	9.78	111.0	9.47	105.7	8.77	100.8	8.45
		519.0	126.6	11.82	119.6	11.49	113.4	9.68	111.0	9.47	105.7	8.77	100.8	8.45
90	-5	138.4	43.0	19.95	41.7	18.17	40.5	15.96	40.2	15.21	39.9	14.66	39.2	13.16
		173.0	44.5	20.29	43.1	18.51	41.9	16.31	41.6	15.54	41.2	14.99	40.5	13.45
		346.0	50.4	21.66	48.8	19.88	47.4	17.71	47.0	16.87	46.7	16.28	45.8	14.60
		432.5	55.7	23.02	53.9	21.27	52.3	19.11	51.9	18.20	51.6	17.54	50.6	15.75
		519.0	58.4	23.71	56.5	21.98	54.8	19.81	54.3	18.87	54.0	18.17	53.1	16.33
	0	138.4	77.0	27.18	73.4	25.50	70.0	23.41	69.0	22.33	67.9	21.49	65.3	19.30
		173.0	77.4	27.25	73.8	25.57	70.5	23.47	69.4	22.39	68.3	21.55	65.7	19.35
		346.0	79.2	27.53	75.5	25.85	72.2	23.72	71.0	22.64	69.8	21.80	67.3	19.56
		432.5	80.4	27.53	76.7	25.85	73.3	23.72	72.0	22.64	71.0	21.80	68.4	19.56
		519.0	81.0	27.53	77.3	25.85	73.9	23.72	72.6	22.64	71.6	21.80	68.9	19.56
	5	138.4	108.8	29.17	105.3	27.53	101.9	25.48	99.8	24.29	95.4	23.39	90.8	20.99
		173.0	108.9	29.31	105.2	27.67	101.9	25.60	99.8	24.42	95.4	23.51	90.8	21.10
		346.0	109.3	29.83	104.9	28.19	101.9	26.09	99.8	24.91	95.4	24.00	90.8	21.52
		432.5	109.9	30.01	105.2	28.36	101.9	26.30	99.8	25.08	95.4	24.17	90.8	21.69
		519.0	110.2	30.09	105.3	28.45	101.9	26.41	99.8	25.17	95.4	24.26	90.8	21.78
	10	138.4	109.3	25.76	105.6	24.50	101.9	23.06	99.8	22.12	95.4	21.22	90.8	19.12
		173.0	109.3	25.78	105.5	24.52	101.9	23.09	99.8	22.15	95.4	21.20	90.8	19.14
		346.0	109.1	25.85	105.0	24.63	101.9	23.19	99.8	22.25	95.4	21.13	90.8	19.21
		432.5	109.8	25.78	105.3	24.56	101.9	23.12	99.8	22.18	95.4	21.20	90.8	19.28
		519.0	110.2	25.74	105.4	24.52	101.9	23.09	99.8	22.15	95.4	21.24	90.8	19.32
	15	138.4	109.9	22.30	106.0	21.50	101.9	20.70	99.8	19.99	95.4	19.07	90.8	17.31
		173.0	109.7	22.22	105.8	21.41	101.9	20.61	99.8	19.91	95.4	18.90	90.8	17.22
		346.0	109.0	21.87	105.1	21.06	101.9	20.26	99.8	19.60	95.4	18.23	90.8	16.87
		432.5	109.7	21.55	105.4	20.75	101.9	19.91	99.8	19.25	95.4	18.23	90.8	16.87
		519.0	110.1	21.39	105.5	20.59	101.9	19.73	99.8	19.07	95.4	18.23	90.8	16.87
	20	138.4	110.6	18.83	106.4	18.29	101.9	17.66	99.8	16.95	95.4	16.38	90.8	15.36
		173.0	110.4	18.83	106.2	18.23	101.9	17.57	99.8	16.87	95.4	16.21	90.8	15.20
		346.0	110.0	18.83	105.4	18.02	101.9	17.22	99.8	16.56	95.4	15.54	90.8	14.53
		432.5	110.3	18.51	105.7	17.88	101.9	17.22	99.8	16.56	95.4	15.54	90.8	14.53
		519.0	110.5	18.36	105.9	17.81	101.9	17.22	99.8	16.56	95.4	15.54	90.8	14.53
	25	138.4	112.4	16.45	107.8	15.58	101.9	14.93	99.8	14.18	95.4	13.61	90.8	12.59
		173.0	112.7	16.42	107.8	15.54	101.9	14.85	99.8	14.18	95.4	13.52	90.8	12.51
		346.0	113.7	16.28	107.8	15.40	101.9	14.53	99.8	14.18	95.4	13.17	90.8	12.16
		432.5	114.1	15.86	107.8	15.06	101.9	14.53	99.8	13.83	95.4	13.17	90.8	12.16
		519.0	114.4	15.65	107.8	14.88	101.9	14.53	99.8	13.66	95.4	13.17	90.8	12.16
	30	138.4	114.1	14.93	107.8	13.91	101.9	12.90	99.8	12.59	95.4	11.89	90.8	10.79
		173.0	114.1	14.85	107.8	13.83	101.9	12.82	99.8	12.51	95.4	11.81	90.8	10.79
		346.0	114.1	14.53	107.8	13.52	101.9	12.51	99.8	12.16	95.4	11.49	90.8	10.79
		432.5	114.1	14.18	107.8	13.17	101.9	12.51	99.8	12.16	95.4	11.49	90.8	10.48
		519.0	114.1	14.01	107.8	12.99	101.9	12.51	99.8	12.16	95.4	11.49	90.8	10.32

Notes:

TC: Total Capacity(kW)　　　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	138.4	114.1	13.61	107.8	12.59	101.9	11.58	99.8	11.23	95.4	10.57	90.8	9.86
		173.0	114.1	13.52	107.8	12.51	101.9	11.49	99.8	11.14	95.4	10.48	90.8	9.78
		346.0	114.1	13.17	107.8	12.16	101.9	11.14	99.8	10.79	95.4	10.13	90.8	9.47
		432.5	114.1	12.82	107.8	11.81	101.9	10.79	99.8	10.48	95.4	10.13	90.8	9.47
		519.0	114.1	12.64	107.8	11.63	101.9	10.62	99.8	10.32	95.4	10.13	90.8	9.47
	40	138.4	114.1	12.68	107.8	11.58	101.9	10.22	99.8	9.86	95.4	9.55	90.8	8.85
		173.0	114.1	12.51	107.8	11.49	101.9	10.13	99.8	9.78	95.4	9.47	90.8	8.77
		346.0	114.1	11.81	107.8	11.14	101.9	9.78	99.8	9.47	95.4	9.12	90.8	8.45
		432.5	114.1	11.81	107.8	11.14	101.9	9.78	99.8	9.47	95.4	9.12	90.8	8.45
		519.0	114.1	11.81	107.8	11.14	101.9	9.78	99.8	9.47	95.4	9.12	90.8	8.45
	45	138.4	114.1	11.75	107.8	10.57	101.9	8.85	99.8	8.54	95.4	8.54	90.8	7.83
		173.0	114.1	11.49	107.8	10.48	101.9	8.77	99.8	8.45	95.4	8.45	90.8	7.75
		346.0	114.1	10.48	107.8	10.13	101.9	8.45	99.8	8.10	95.4	8.10	90.8	7.44
		432.5	114.1	10.79	107.8	10.48	101.9	8.77	99.8	8.45	95.4	8.10	90.8	7.44
		519.0	114.1	10.95	107.8	10.66	101.9	8.93	99.8	8.63	95.4	8.10	90.8	7.44
80	-5	138.4	40.7	14.21	38.1	13.67	36.1	13.10	35.7	12.65	35.5	12.07	34.8	11.11
		173.0	42.1	14.53	39.5	13.97	37.3	13.38	36.9	12.92	36.7	12.33	36.0	11.35
		346.0	47.6	15.79	44.6	15.16	42.2	14.50	41.8	14.01	41.6	13.38	40.7	12.30
		432.5	52.6	17.01	49.3	16.35	46.6	15.65	46.1	15.13	45.9	14.43	44.9	13.27
		519.0	55.2	17.63	51.6	16.95	48.9	16.23	48.3	15.69	48.1	14.95	47.1	13.77
	0	138.4	72.7	20.86	67.0	20.02	62.4	19.19	61.2	18.53	60.4	17.66	58.1	16.27
		173.0	73.1	20.92	67.4	20.09	62.8	19.25	61.6	18.58	60.8	17.71	58.4	16.31
		346.0	74.9	21.17	69.0	20.33	64.2	19.46	63.1	18.79	62.2	17.92	59.8	16.49
		432.5	76.0	21.17	70.0	20.33	65.3	19.46	64.0	18.79	63.2	17.92	60.8	16.49
		519.0	76.5	21.17	70.6	20.33	65.8	19.46	64.5	18.79	63.7	17.92	61.2	16.49
	5	138.4	100.5	22.69	94.9	21.83	90.7	20.84	88.7	20.15	84.9	19.22	80.7	17.68
		173.0	100.7	22.81	95.0	21.94	90.7	20.96	88.7	20.26	84.9	19.32	80.7	17.78
		346.0	101.6	23.30	95.8	22.36	90.8	21.41	88.7	20.68	84.9	19.70	80.7	18.16
		432.5	101.6	23.44	95.7	22.53	90.8	21.55	88.7	20.82	84.9	19.84	80.7	18.27
		519.0	101.6	23.51	95.6	22.62	90.8	21.62	88.7	20.89	84.9	19.91	80.7	18.32
	10	138.4	101.1	20.88	95.3	19.94	90.7	18.92	88.7	18.40	84.9	17.42	80.7	16.13
		173.0	101.2	20.85	95.4	19.91	90.7	18.93	88.7	18.41	84.9	17.43	80.7	16.14
		346.0	101.6	20.75	95.8	19.81	90.8	18.97	88.7	18.44	84.9	17.47	80.7	16.17
		432.5	101.6	20.68	95.7	19.88	90.8	19.04	88.7	18.34	84.9	17.36	80.7	16.07
		519.0	101.6	20.64	95.6	19.91	90.8	19.07	88.7	18.29	84.9	17.31	80.7	16.02
	15	138.4	101.6	19.07	95.7	18.05	90.8	16.95	88.7	16.65	84.9	15.63	80.7	14.62
		173.0	101.6	18.90	95.7	17.88	90.8	16.87	88.7	16.56	84.9	15.54	80.7	14.53
		346.0	101.6	18.23	95.7	17.22	90.8	16.56	88.7	16.21	84.9	15.20	80.7	14.18
		432.5	101.6	17.88	95.7	17.22	90.8	16.56	88.7	15.86	84.9	14.85	80.7	13.83
		519.0	101.6	17.71	95.7	17.22	90.8	16.56	88.7	15.68	84.9	14.67	80.7	13.66
	20	138.4	101.6	15.94	95.7	15.28	90.8	14.53	88.7	14.27	84.9	13.61	80.7	12.59
		173.0	101.6	15.86	95.7	15.20	90.8	14.53	88.7	14.18	84.9	13.52	80.7	12.51
		346.0	101.6	15.54	95.7	14.85	90.8	14.53	88.7	13.83	84.9	13.17	80.7	12.16
		432.5	101.6	15.20	95.7	14.53	90.8	14.18	88.7	13.83	84.9	12.82	80.7	12.16
		519.0	101.6	15.02	95.7	14.37	90.8	14.01	88.7	13.83	84.9	12.64	80.7	12.16
	25	138.4	101.6	14.27	95.7	13.26	90.8	12.51	88.7	12.24	84.9	11.58	80.7	10.87
		173.0	101.6	14.18	95.7	13.17	90.8	12.51	88.7	12.16	84.9	11.49	80.7	10.79
		346.0	101.6	13.83	95.7	12.82	90.8	12.51	88.7	11.81	84.9	11.14	80.7	10.48
		432.5	101.6	13.52	95.7	12.82	90.8	12.16	88.7	11.81	84.9	11.14	80.7	10.48
		519.0	101.6	13.36	95.7	12.82	90.8	11.98	88.7	11.81	84.9	11.14	80.7	10.48
	30	138.4	101.6	12.59	95.7	11.89	90.8	11.23	88.7	10.87	84.9	10.22	80.7	9.55
		173.0	101.6	12.51	95.7	11.81	90.8	11.14	88.7	10.79	84.9	10.13	80.7	9.47
		346.0	101.6	12.16	95.7	11.49	90.8	10.79	88.7	10.48	84.9	9.78	80.7	9.12
		432.5	101.6	12.16	95.7	11.49	90.8	10.79	88.7	10.48	84.9	9.78	80.7	9.12
		519.0	101.6	12.16	95.7	11.49	90.8	10.79	88.7	10.48	84.9	9.78	80.7	9.12
	35	138.4	101.6	11.58	95.7	10.87	90.8	9.86	88.7	9.47	84.9	9.21	80.7	8.45
		173.0	101.6	11.49	95.7	10.79	90.8	9.78	88.7	9.47	84.9	9.12	80.7	8.45
		346.0	101.6	11.14	95.7	10.48	90.8	9.47	88.7	9.47	84.9	8.77	80.7	8.45
		432.5	101.6	11.14	95.7	10.13	90.8	9.47	88.7	9.12	84.9	8.77	80.7	8.10
		519.0	101.6	11.14	95.7	9.95	90.8	9.47	88.7	8.94	84.9	8.77	80.7	7.93
	40	138.4	101.6	10.96	95.7	9.86	90.8	8.77	88.7	8.85	84.9	8.10	80.7	7.83
		173.0	101.6	10.79	95.7	9.78	90.8	8.77	88.7	8.77	84.9	8.10	80.7	7.75
		346.0	101.6	10.13	95.7	9.47	90.8	8.77	88.7	8.45	84.9	8.10	80.7	7.44
		432.5	101.6	10.13	95.7	9.47	90.8	8.45	88.7	8.45	84.9	8.10	80.7	7.44
		519.0	101.6	10.13	95.7	9.47	90.8	8.29	88.7	8.45	84.9	8.10	80.7	7.44

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	138.4	101.6	10.39	95.7	8.85	90.8	7.67	88.7	8.27	84.9	7.00	80.7	7.26
		173.0	101.6	10.13	95.7	8.77	90.8	7.75	88.7	8.10	84.9	7.09	80.7	7.09
		346.0	101.6	9.12	95.7	8.45	90.8	8.10	88.7	7.44	84.9	7.44	80.7	6.43
		432.5	101.6	9.12	95.7	8.77	90.8	7.44	88.7	7.75	84.9	7.44	80.7	6.74
		519.0	101.6	9.12	95.7	8.93	90.8	7.11	88.7	7.91	84.9	7.44	80.7	6.90
70	-5	138.4	35.5	12.21	33.3	11.62	31.5	11.25	31.2	10.60	31.0	10.22	30.5	9.30
		173.0	36.7	12.47	34.5	11.88	32.6	11.49	32.3	10.83	32.1	10.44	31.5	9.50
		346.0	41.6	13.52	39.0	12.89	36.8	12.47	36.5	11.74	36.3	11.32	35.7	10.30
		432.5	46.0	14.60	43.1	13.90	40.7	13.45	40.4	12.65	40.1	12.23	39.3	11.11
		519.0	48.2	15.15	45.2	14.41	42.7	13.94	42.4	13.10	42.0	12.68	41.2	11.51
	0	138.4	63.6	17.87	58.7	17.04	54.5	16.47	53.6	15.50	52.7	14.98	50.9	13.62
		173.0	63.9	17.92	59.1	17.08	54.9	16.52	53.9	15.54	53.1	15.02	51.2	13.66
		346.0	65.4	18.13	60.4	17.26	56.1	16.73	55.2	15.72	54.3	15.20	52.3	13.80
		432.5	66.4	18.13	61.4	17.26	57.0	16.73	56.0	15.72	55.2	15.20	53.2	13.80
		519.0	66.8	18.13	61.9	17.26	57.4	16.73	56.4	15.72	55.6	15.20	53.6	13.80
	5	138.4	87.8	19.46	83.2	18.52	79.2	17.93	77.5	16.90	74.1	16.29	70.6	14.80
		173.0	88.0	19.56	83.3	18.62	79.2	18.02	77.5	16.98	74.1	16.38	70.6	14.88
		346.0	88.7	19.95	84.0	19.00	79.3	18.41	77.5	17.29	74.1	16.73	70.6	15.20
		432.5	88.7	20.09	83.9	19.14	79.3	18.55	77.5	17.43	74.1	16.84	70.6	15.30
		519.0	88.7	20.16	83.8	19.21	79.3	18.62	77.5	17.50	74.1	16.89	70.6	15.35
	10	138.4	88.2	17.92	83.5	16.94	79.3	16.31	77.5	15.40	74.1	14.78	70.6	13.52
		173.0	88.3	17.88	83.5	16.91	79.3	16.28	77.5	15.40	74.1	14.78	70.6	13.52
		346.0	88.7	17.74	83.9	16.77	79.3	16.14	77.5	15.40	74.1	14.78	70.6	13.52
		432.5	88.7	17.81	83.9	16.84	79.3	16.21	77.5	15.47	74.1	14.67	70.6	13.55
		519.0	88.7	17.85	83.9	16.87	79.3	16.24	77.5	15.51	74.1	14.62	70.6	13.57
	15	138.4	88.7	16.38	83.9	15.36	79.3	14.71	77.5	13.91	74.1	13.26	70.6	12.24
		173.0	88.7	16.21	83.9	15.20	79.3	14.53	77.5	13.83	74.1	13.17	70.6	12.16
		346.0	88.7	15.54	83.9	14.53	79.3	13.83	77.5	13.52	74.1	12.82	70.6	11.81
		432.5	88.7	15.54	83.9	14.53	79.3	13.83	77.5	13.52	74.1	12.51	70.6	11.81
		519.0	88.7	15.54	83.9	14.53	79.3	13.83	77.5	13.52	74.1	12.35	70.6	11.81
	20	138.4	88.7	13.61	83.9	12.90	79.3	12.59	77.5	12.24	74.1	11.58	70.6	10.87
		173.0	88.7	13.52	83.9	12.82	79.3	12.51	77.5	12.16	74.1	11.49	70.6	10.79
		346.0	88.7	13.17	83.9	12.51	79.3	12.16	77.5	11.81	74.1	11.14	70.6	10.48
		432.5	88.7	13.17	83.9	12.51	79.3	12.16	77.5	11.49	74.1	11.14	70.6	10.13
		519.0	88.7	13.17	83.9	12.51	79.3	12.16	77.5	11.33	74.1	11.14	70.6	9.95
	25	138.4	88.7	12.24	83.9	11.58	79.3	10.87	77.5	10.57	74.1	9.78	70.6	9.12
		173.0	88.7	12.16	83.9	11.49	79.3	10.79	77.5	10.48	74.1	9.78	70.6	9.12
		346.0	88.7	11.81	83.9	11.14	79.3	10.48	77.5	10.13	74.1	9.78	70.6	9.12
		432.5	88.7	11.49	83.9	10.79	79.3	10.48	77.5	10.13	74.1	9.47	70.6	9.12
		519.0	88.7	11.33	83.9	10.62	79.3	10.48	77.5	10.13	74.1	9.31	70.6	9.12
	30	138.4	88.7	10.87	83.9	10.22	79.3	9.55	77.5	9.12	74.1	8.85	70.6	8.10
		173.0	88.7	10.79	83.9	10.13	79.3	9.47	77.5	9.12	74.1	8.77	70.6	8.10
		346.0	88.7	10.48	83.9	9.78	79.3	9.12	77.5	9.12	74.1	8.45	70.6	8.10
		432.5	88.7	10.48	83.9	9.78	79.3	9.12	77.5	8.77	74.1	8.45	70.6	8.10
		519.0	88.7	10.48	83.9	9.78	79.3	9.12	77.5	8.59	74.1	8.45	70.6	8.10
	35	138.4	88.7	9.86	83.9	9.21	79.3	8.45	77.5	8.54	74.1	7.75	70.6	7.53
		173.0	88.7	9.78	83.9	9.12	79.3	8.45	77.5	8.45	74.1	7.75	70.6	7.44
		346.0	88.7	9.47	83.9	8.77	79.3	8.45	77.5	8.10	74.1	7.75	70.6	7.09
		432.5	88.7	9.47	83.9	8.77	79.3	8.10	77.5	8.10	74.1	7.75	70.6	7.09
		519.0	88.7	9.47	83.9	8.77	79.3	7.93	77.5	8.10	74.1	7.75	70.6	7.09
	40	138.4	88.7	9.21	83.9	8.54	79.3	7.83	77.5	7.44	74.1	7.09	70.6	6.82
		173.0	88.7	9.12	83.9	8.45	79.3	7.75	77.5	7.44	74.1	7.09	70.6	6.74
		346.0	88.7	8.77	83.9	8.10	79.3	7.44	77.5	7.44	74.1	7.09	70.6	6.43
		432.5	88.7	8.77	83.9	8.10	79.3	7.44	77.5	7.09	74.1	6.74	70.6	6.43
		519.0	88.7	8.77	83.9	8.10	79.3	7.44	77.5	6.91	74.1	6.57	70.6	6.43
	45	138.4	88.7	8.54	83.9	7.83	79.3	7.26	77.5	6.35	74.1	6.43	70.6	6.17
		173.0	88.7	8.45	83.9	7.75	79.3	7.09	77.5	6.43	74.1	6.43	70.6	6.08
		346.0	88.7	8.10	83.9	7.44	79.3	6.43	77.5	6.74	74.1	6.43	70.6	5.73
		432.5	88.7	8.10	83.9	7.44	79.3	6.74	77.5	6.08	74.1	5.73	70.6	5.73
		519.0	88.7	8.10	83.9	7.44	79.3	6.90	77.5	5.74	74.1	5.38	70.6	5.73
60	-5	138.4	30.5	9.91	28.6	9.53	27.0	9.16	26.7	8.51	26.6	8.37	26.1	7.48
		173.0	31.5	10.13	29.5	9.75	28.0	9.36	27.6	8.70	27.5	8.56	27.0	7.65
		346.0	35.8	11.00	33.4	10.58	31.6	10.16	31.3	9.43	31.2	9.29	30.6	8.31
		432.5	39.5	11.84	36.9	11.42	35.0	10.97	34.6	10.20	34.5	10.03	33.8	8.94
		519.0	41.3	12.26	38.7	11.84	36.7	11.37	36.2	10.59	36.1	10.39	35.4	9.26

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	138.4	54.5	14.52	50.2	14.01	46.9	13.40	45.9	12.47	45.3	12.30	43.6	10.98
		173.0	54.9	14.57	50.5	14.04	47.2	13.45	46.2	12.51	45.6	12.33	43.9	11.00
		346.0	56.1	14.74	51.7	14.18	48.3	13.62	47.3	12.65	46.6	12.47	44.8	11.11
		432.5	57.0	14.74	52.5	14.18	49.1	13.62	48.0	12.65	47.4	12.47	45.6	11.11
		519.0	57.4	14.74	53.0	14.18	49.4	13.62	48.4	12.65	47.7	12.47	45.9	11.11
	5	138.4	75.4	15.81	71.1	15.22	68.1	14.59	66.5	13.59	63.6	13.38	60.6	11.92
		173.0	75.5	15.89	71.2	15.30	68.1	14.67	66.5	13.66	63.6	13.45	60.6	11.98
		346.0	76.2	16.21	71.7	15.61	68.1	14.99	66.5	13.94	63.6	13.73	60.6	12.23
		432.5	76.2	16.35	71.6	15.72	68.1	15.09	66.5	14.04	63.6	13.80	60.6	12.33
		519.0	76.2	16.42	71.6	15.77	68.1	15.14	66.5	14.10	63.6	13.83	60.6	12.38
	10	138.4	75.8	14.53	71.3	13.90	68.1	13.24	66.5	12.37	63.6	12.13	60.6	10.87
		173.0	75.8	14.53	71.4	13.90	68.1	13.24	66.5	12.40	63.6	12.12	60.6	10.90
		346.0	76.2	14.53	71.7	13.90	68.1	13.24	66.5	12.54	63.6	12.09	60.6	11.00
		432.5	76.2	14.57	71.6	13.76	68.1	13.10	66.5	12.40	63.6	11.98	60.6	10.90
		519.0	76.2	14.58	71.6	13.69	68.1	13.03	66.5	12.33	63.6	11.93	60.6	10.85
	15	138.4	76.2	13.26	71.6	12.59	68.1	11.89	66.5	11.14	63.6	10.87	60.6	9.78
		173.0	76.2	13.17	71.6	12.51	68.1	11.81	66.5	11.14	63.6	10.79	60.6	9.78
		346.0	76.2	12.82	71.6	12.16	68.1	11.49	66.5	11.14	63.6	10.48	60.6	9.78
		432.5	76.2	12.82	71.6	11.81	68.1	11.14	66.5	10.79	63.6	10.13	60.6	9.47
		519.0	76.2	12.82	71.6	11.63	68.1	10.97	66.5	10.62	63.6	9.95	60.6	9.31
	20	138.4	76.2	11.58	71.6	10.87	68.1	10.22	66.5	9.86	63.6	9.55	60.6	8.85
		173.0	76.2	11.49	71.6	10.79	68.1	10.13	66.5	9.78	63.6	9.47	60.6	8.77
		346.0	76.2	11.14	71.6	10.48	68.1	9.78	66.5	9.47	63.6	9.12	60.6	8.45
		432.5	76.2	11.14	71.6	10.48	68.1	9.78	66.5	9.47	63.6	9.12	60.6	8.45
		519.0	76.2	11.14	71.6	10.48	68.1	9.78	66.5	9.47	63.6	9.12	60.6	8.45
	25	138.4	76.2	10.22	71.6	9.55	68.1	8.77	66.5	8.85	63.6	8.10	60.6	7.83
		173.0	76.2	10.13	71.6	9.47	68.1	8.77	66.5	8.77	63.6	8.10	60.6	7.75
		346.0	76.2	9.78	71.6	9.12	68.1	8.77	66.5	8.45	63.6	8.10	60.6	7.44
		432.5	76.2	9.78	71.6	9.12	68.1	8.45	66.5	8.45	63.6	8.10	60.6	7.44
		519.0	76.2	9.78	71.6	9.12	68.1	8.29	66.5	8.45	63.6	8.10	60.6	7.44
	30	138.4	76.2	9.21	71.6	8.54	68.1	8.19	66.5	7.83	63.6	7.53	60.6	7.18
		173.0	76.2	9.12	71.6	8.45	68.1	8.10	66.5	7.75	63.6	7.44	60.6	7.09
		346.0	76.2	8.77	71.6	8.10	68.1	7.75	66.5	7.44	63.6	7.09	60.6	6.74
		432.5	76.2	8.77	71.6	8.10	68.1	7.75	66.5	7.44	63.6	7.09	60.6	6.74
		519.0	76.2	8.77	71.6	8.10	68.1	7.75	66.5	7.44	63.6	7.09	60.6	6.74
	35	138.4	76.2	8.10	71.6	7.83	68.1	7.09	66.5	7.18	63.6	6.82	60.6	6.52
		173.0	76.2	8.10	71.6	7.75	68.1	7.09	66.5	7.09	63.6	6.74	60.6	6.43
		346.0	76.2	8.10	71.6	7.44	68.1	7.09	66.5	6.74	63.6	6.43	60.6	6.08
		432.5	76.2	8.10	71.6	7.44	68.1	6.74	66.5	6.74	63.6	6.43	60.6	6.08
		519.0	76.2	8.10	71.6	7.44	68.1	6.57	66.5	6.74	63.6	6.43	60.6	6.08
	40	138.4	76.2	7.44	71.6	7.18	68.1	6.43	66.5	6.52	63.6	6.17	60.6	5.73
		173.0	76.2	7.44	71.6	7.09	68.1	6.43	66.5	6.43	63.6	6.08	60.6	5.73
		346.0	76.2	7.44	71.6	6.74	68.1	6.43	66.5	6.08	63.6	5.73	60.6	5.73
		432.5	76.2	7.44	71.6	6.74	68.1	6.43	66.5	6.08	63.6	5.73	60.6	5.73
		519.0	76.2	7.44	71.6	6.74	68.1	6.43	66.5	6.08	63.6	5.73	60.6	5.73
	45	138.4	76.2	6.74	71.6	6.52	68.1	5.73	66.5	5.81	63.6	5.50	60.6	4.98
		173.0	76.2	6.74	71.6	6.43	68.1	5.73	66.5	5.73	63.6	5.41	60.6	5.07
		346.0	76.2	6.74	71.6	6.08	68.1	5.73	66.5	5.41	63.6	5.07	60.6	5.41
		432.5	76.2	6.74	71.6	6.08	68.1	6.08	66.5	5.41	63.6	5.07	60.6	5.41
		519.0	76.2	6.74	71.6	6.08	68.1	6.25	66.5	5.41	63.6	5.07	60.6	5.41
50	-5	138.4	25.4	7.90	23.9	7.48	22.5	7.08	22.2	6.70	22.1	6.29	21.7	5.95
		173.0	26.3	8.07	24.7	7.65	23.3	7.23	23.0	6.85	22.9	6.43	22.5	6.08
		346.0	29.6	8.73	27.8	8.31	26.4	7.82	26.1	7.44	26.0	6.99	25.4	6.57
		432.5	32.8	9.43	30.8	8.94	29.1	8.45	28.8	8.03	28.6	7.51	28.2	7.09
		519.0	34.4	9.78	32.3	9.26	30.5	8.77	30.2	8.33	29.9	7.77	29.5	7.36
	0	138.4	45.3	11.57	42.0	10.98	39.0	10.34	38.2	9.82	37.6	9.23	36.3	8.71
		173.0	45.6	11.60	42.2	11.00	39.2	10.37	38.4	9.85	37.9	9.26	36.5	8.73
		346.0	46.6	11.70	43.1	11.11	40.2	10.51	39.3	9.99	38.8	9.36	37.3	8.84
		432.5	47.4	11.70	43.8	11.11	40.7	10.51	40.0	9.99	39.3	9.36	38.0	8.84
		519.0	47.7	11.70	44.1	11.11	41.0	10.51	40.3	9.99	39.6	9.36	38.3	8.84
	5	138.4	62.6	12.58	59.4	11.92	56.6	11.26	55.3	10.71	52.8	10.05	50.4	9.45
		173.0	62.8	12.65	59.5	11.98	56.6	11.32	55.3	10.76	52.8	10.10	50.4	9.50
		346.0	63.3	12.89	59.9	12.23	56.8	11.56	55.3	10.97	52.8	10.27	50.4	9.71
		432.5	63.3	12.99	59.8	12.33	56.8	11.63	55.3	11.04	52.8	10.37	50.4	9.78
		519.0	63.3	13.05	59.8	12.38	56.8	11.67	55.3	11.07	52.8	10.43	50.4	9.82

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(36HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	138.4	63.0	11.58	59.5	10.91	56.6	10.25	55.3	9.80	52.8	9.06	50.4	8.65
		173.0	63.1	11.56	59.6	10.90	56.6	10.23	55.3	9.78	52.8	9.08	50.4	8.63
		346.0	63.3	11.49	59.9	10.86	56.8	10.16	55.3	9.71	52.8	9.19	50.4	8.56
		432.5	63.3	11.56	59.8	10.90	56.8	10.20	55.3	9.75	52.8	9.05	50.4	8.59
		519.0	63.3	11.60	59.8	10.92	56.8	10.22	55.3	9.76	52.8	8.98	50.4	8.61
	15	138.4	63.3	10.57	59.8	9.86	56.8	9.21	55.3	8.85	52.8	8.10	50.4	7.83
		173.0	63.3	10.48	59.8	9.78	56.8	9.12	55.3	8.77	52.8	8.10	50.4	7.75
		346.0	63.3	10.13	59.8	9.47	56.8	8.77	55.3	8.45	52.8	8.10	50.4	7.44
		432.5	63.3	10.13	59.8	9.47	56.8	8.77	55.3	8.45	52.8	7.75	50.4	7.44
		519.0	63.3	10.13	59.8	9.47	56.8	8.77	55.3	8.45	52.8	7.58	50.4	7.44
	20	138.4	63.3	9.21	59.8	8.54	56.8	8.19	55.3	7.83	52.8	7.53	50.4	6.74
		173.0	63.3	9.12	59.8	8.45	56.8	8.10	55.3	7.75	52.8	7.44	50.4	6.74
		346.0	63.3	8.77	59.8	8.10	56.8	7.75	55.3	7.44	52.8	7.09	50.4	6.74
		432.5	63.3	8.77	59.8	8.10	56.8	7.75	55.3	7.44	52.8	7.09	50.4	6.74
		519.0	63.3	8.77	59.8	8.10	56.8	7.75	55.3	7.44	52.8	7.09	50.4	6.74
	25	138.4	63.3	8.19	59.8	7.44	56.8	7.18	55.3	6.74	52.8	6.43	50.4	6.08
		173.0	63.3	8.10	59.8	7.44	56.8	7.09	55.3	6.74	52.8	6.43	50.4	6.08
		346.0	63.3	7.75	59.8	7.44	56.8	6.74	55.3	6.74	52.8	6.43	50.4	6.08
		432.5	63.3	7.75	59.8	7.44	56.8	6.74	55.3	6.74	52.8	6.43	50.4	6.08
		519.0	63.3	7.75	59.8	7.44	56.8	6.74	55.3	6.74	52.8	6.43	50.4	6.08
	30	138.4	63.3	7.53	59.8	6.82	56.8	6.52	55.3	6.08	52.8	6.17	50.4	5.81
		173.0	63.3	7.44	59.8	6.74	56.8	6.43	55.3	6.08	52.8	6.08	50.4	5.73
		346.0	63.3	7.09	59.8	6.43	56.8	6.08	55.3	6.08	52.8	5.73	50.4	5.41
		432.5	63.3	7.09	59.8	6.43	56.8	6.08	55.3	6.08	52.8	5.73	50.4	5.41
		519.0	63.3	7.09	59.8	6.43	56.8	6.08	55.3	6.08	52.8	5.73	50.4	5.41
	35	138.4	63.3	6.82	59.8	6.08	56.8	5.73	55.3	5.81	52.8	5.41	50.4	5.07
		173.0	63.3	6.74	59.8	6.08	56.8	5.73	55.3	5.73	52.8	5.41	50.4	5.07
		346.0	63.3	6.43	59.8	6.08	56.8	5.73	55.3	5.41	52.8	5.41	50.4	5.07
		432.5	63.3	6.43	59.8	6.08	56.8	5.73	55.3	5.41	52.8	5.41	50.4	5.07
		519.0	63.3	6.43	59.8	6.08	56.8	5.73	55.3	5.41	52.8	5.41	50.4	5.07
	40	138.4	63.3	6.17	59.8	5.81	56.8	5.50	55.3	5.07	52.8	5.15	50.4	4.72
		173.0	63.3	6.08	59.8	5.73	56.8	5.41	55.3	5.07	52.8	5.07	50.4	4.72
		346.0	63.3	5.73	59.8	5.41	56.8	5.07	55.3	5.07	52.8	4.72	50.4	4.72
		432.5	63.3	5.73	59.8	5.41	56.8	5.07	55.3	5.07	52.8	4.72	50.4	4.72
		519.0	63.3	5.73	59.8	5.41	56.8	5.07	55.3	5.07	52.8	4.72	50.4	4.72
	45	138.4	63.3	5.50	59.8	5.59	56.8	5.23	55.3	4.32	52.8	4.88	50.4	4.40
		173.0	63.3	5.41	59.8	5.41	56.8	5.07	55.3	4.40	52.8	4.72	50.4	4.40
		346.0	63.3	5.07	59.8	4.72	56.8	4.40	55.3	4.72	52.8	4.05	50.4	4.40
		432.5	63.3	5.07	59.8	4.72	56.8	4.40	55.3	4.72	52.8	4.05	50.4	4.40
		519.0	63.3	5.07	59.8	4.72	56.8	4.40	55.3	4.72	52.8	4.05	50.4	4.40

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(38HP)

ARWN380LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	146.0	56.6	22.83	56.2	21.50	55.9	20.01	55.1	19.42	55.8	18.91	54.2	16.96
		182.5	58.6	23.23	58.1	21.91	57.8	20.45	57.0	19.85	57.7	19.32	56.1	17.33
		365.0	66.3	24.81	65.7	23.57	65.4	22.18	64.5	21.54	65.3	20.94	63.6	18.79
		456.3	73.3	26.39	72.6	25.18	72.2	23.90	71.3	23.27	72.2	22.59	70.3	20.26
		547.5	76.8	27.18	76.1	26.00	75.6	24.78	74.7	24.14	75.6	23.42	73.6	21.00
	0	146.0	101.2	31.22	98.9	30.29	96.8	29.31	94.6	28.48	95.0	27.70	90.6	24.81
		182.5	101.8	31.31	99.4	30.37	97.3	29.39	95.2	28.57	95.5	27.78	91.2	24.88
		365.0	104.2	31.65	101.7	30.67	99.5	29.73	97.4	28.90	97.8	28.08	93.4	25.18
		456.3	105.8	31.65	103.2	30.67	101.1	29.73	98.9	28.90	99.2	28.08	94.8	25.18
		547.5	106.6	31.65	104.0	30.67	101.9	29.73	99.6	28.90	99.9	28.08	95.4	25.18
	5	146.0	145.7	33.56	143.5	32.74	140.5	31.90	137.0	31.00	133.3	30.14	125.9	26.99
		182.5	146.2	33.71	143.8	32.89	140.5	32.06	137.0	31.16	133.3	30.29	125.9	27.14
		365.0	148.2	34.32	144.8	33.49	140.6	32.70	137.0	31.80	133.3	30.90	125.9	27.70
		456.3	149.1	34.54	145.2	33.71	140.6	32.93	137.0	32.02	133.3	31.12	125.9	27.89
		547.5	149.5	34.66	145.4	33.83	140.6	33.04	137.0	32.14	133.3	31.24	125.9	27.98
	10	146.0	145.9	30.54	143.5	29.51	140.1	28.96	136.4	28.31	132.8	27.34	125.4	24.68
		182.5	146.8	30.48	144.2	29.54	140.6	29.02	137.0	28.30	133.3	27.33	125.9	24.66
		365.0	150.2	30.26	146.9	29.66	142.9	29.24	139.2	28.26	135.3	27.25	127.9	24.58
		456.3	151.0	30.67	147.9	30.07	143.8	29.35	139.9	28.38	136.2	27.70	128.7	25.75
		547.5	151.4	30.88	148.4	30.28	144.2	29.41	140.2	28.43	136.6	27.93	129.1	26.33
	15	146.0	146.1	27.53	143.5	26.35	139.5	26.07	135.8	25.64	132.3	24.55	124.9	22.37
		182.5	147.3	27.25	144.6	26.24	140.6	26.01	137.0	25.45	133.3	24.36	125.9	22.18
		365.0	152.1	26.16	149.0	25.78	145.1	25.78	141.4	24.69	137.3	23.60	129.9	21.42
		456.3	152.9	26.80	150.4	26.39	146.9	25.78	142.9	24.69	139.2	24.28	131.5	23.60
		547.5	153.3	27.12	151.2	26.69	147.8	25.78	143.6	24.69	140.1	24.62	132.3	24.70
	20	146.0	151.7	25.25	148.9	24.07	145.0	23.55	141.0	22.80	136.9	22.29	128.7	21.60
		182.5	152.9	25.07	150.1	24.06	146.1	23.53	142.1	22.89	138.1	22.44	129.9	21.42
		365.0	157.7	24.36	154.9	23.98	150.5	23.45	146.5	23.27	142.9	23.04	134.7	20.71
		456.3	158.3	24.36	156.0	23.98	152.3	23.60	148.0	23.27	144.0	23.04	135.8	22.03
		547.5	158.7	24.36	156.6	23.98	153.2	23.68	148.7	23.27	144.5	23.04	136.4	22.69
	25	146.0	160.1	24.07	156.0	23.38	152.3	22.98	149.4	22.60	146.1	22.27	137.7	20.80
		182.5	160.1	23.98	156.0	23.34	152.3	22.89	149.4	22.51	146.1	22.18	137.7	20.71
		365.0	160.1	23.60	156.0	23.19	152.3	22.51	149.4	22.18	146.1	21.80	137.7	20.33
		456.3	160.1	23.27	156.0	22.59	152.3	22.18	149.4	21.80	146.1	21.42	137.7	20.00
		547.5	160.1	23.10	156.0	22.29	152.3	22.01	149.4	21.61	146.1	21.23	137.7	19.83
	30	146.0	160.1	23.46	156.0	22.29	152.3	22.08	149.4	21.51	146.1	21.28	137.7	19.80
		182.5	160.1	23.27	156.0	22.25	152.3	21.95	149.4	21.42	146.1	21.09	137.7	19.62
		365.0	160.1	22.51	156.0	22.10	152.3	21.42	149.4	21.09	146.1	20.33	137.7	18.91
		456.3	160.1	22.18	156.0	21.50	152.3	21.09	149.4	20.71	146.1	20.33	137.7	18.91
		547.5	160.1	22.01	156.0	21.20	152.3	20.92	149.4	20.52	146.1	20.33	137.7	18.91
	35	146.0	160.1	22.37	156.0	21.62	152.3	21.18	149.4	20.42	146.1	19.71	137.7	18.33
		182.5	160.1	22.18	156.0	21.50	152.3	21.09	149.4	20.33	146.1	19.62	137.7	18.15
		365.0	160.1	21.42	156.0	21.01	152.3	20.71	149.4	20.00	146.1	19.24	137.7	17.44
		456.3	160.1	21.42	156.0	20.79	152.3	20.33	149.4	19.62	146.1	18.91	137.7	17.44
		547.5	160.1	21.42	156.0	20.67	152.3	20.14	149.4	19.43	146.1	18.74	137.7	17.44
	40	146.0	160.1	21.60	156.0	20.92	152.3	20.51	149.4	19.80	146.1	19.10	137.7	17.24
		182.5	160.1	21.42	156.0	20.79	152.3	20.33	149.4	19.62	146.1	18.91	137.7	17.06
		365.0	160.1	20.71	156.0	20.26	152.3	19.62	149.4	18.91	146.1	18.15	137.7	16.35
		456.3	160.1	20.33	156.0	19.92	152.3	19.62	149.4	18.91	146.1	18.15	137.7	16.35
		547.5	160.1	20.14	156.0	19.75	152.3	19.62	149.4	18.91	146.1	18.15	137.7	16.35
	45	146.0	160.1	20.89	156.0	20.20	152.3	19.90	149.4	19.18	146.1	18.43	137.7	16.15
		182.5	160.1	20.71	156.0	20.07	152.3	19.62	149.4	18.91	146.1	18.15	137.7	15.97
		365.0	160.1	20.00	156.0	19.54	152.3	18.53	149.4	17.82	146.1	17.06	137.7	15.26
		456.3	160.1	19.24	156.0	19.06	152.3	18.91	149.4	18.15	146.1	17.44	137.7	15.26
		547.5	160.1	18.87	156.0	18.81	152.3	19.10	149.4	18.32	146.1	17.63	137.7	15.26
120	-5	146.0	53.8	22.83	53.4	21.50	53.1	20.01	52.4	19.16	52.8	18.61	51.5	16.66
		182.5	55.7	23.23	55.2	21.91	54.9	20.45	54.2	19.58	54.7	19.02	53.2	17.03
		365.0	63.0	24.81	62.5	23.57	62.1	22.18	61.4	21.24	61.9	20.63	60.2	18.49
		456.3	69.6	26.39	69.0	25.18	68.6	23.90	67.8	22.93	68.4	22.25	66.5	19.92
		547.5	72.9	27.18	72.3	26.00	71.8	24.78	71.1	23.78	71.6	23.07	69.6	20.64
	0	146.0	96.2	31.22	93.9	30.29	91.9	29.31	90.0	28.07	90.0	27.29	85.9	24.39
		182.5	96.8	31.31	94.4	30.37	92.4	29.39	90.5	28.15	90.5	27.36	86.4	24.47
		365.0	99.0	31.65	96.7	30.67	94.6	29.73	92.6	28.49	92.6	27.66	88.5	24.77
		456.3	100.5	31.65	98.2	30.67	96.1	29.73	94.1	28.49	94.0	27.66	89.9	24.77
		547.5	101.3	31.65	99.0	30.67	96.8	29.73	94.8	28.49	94.7	27.66	90.5	24.77

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	146.0	138.7	33.56	136.6	32.74	133.6	31.90	130.4	30.55	126.3	29.69	119.4	26.59
		182.5	139.2	33.71	136.8	32.89	133.6	32.06	130.4	30.71	126.3	29.84	119.4	26.72
		365.0	141.2	34.32	137.8	33.49	133.6	32.70	130.4	31.35	126.3	30.44	119.4	27.25
		456.3	142.0	34.54	137.1	33.71	133.6	32.93	130.4	31.57	126.3	30.67	119.4	27.44
		547.5	142.4	34.66	136.7	33.83	133.6	33.04	130.4	31.69	126.3	30.78	119.4	27.53
	10	146.0	139.2	30.15	136.6	29.32	133.3	28.72	130.0	27.85	125.9	26.93	119.1	24.21
		182.5	139.9	30.26	137.2	29.43	133.6	28.83	130.4	27.89	126.3	26.91	119.4	24.24
		365.0	142.4	30.67	139.4	29.88	135.1	29.24	131.8	28.04	127.6	26.84	120.6	24.36
		456.3	143.2	30.56	139.0	29.88	135.6	29.35	132.4	28.15	128.2	26.95	121.1	25.18
		547.5	143.6	30.50	138.7	29.88	135.9	29.41	132.7	28.21	128.4	27.01	121.4	25.60
	15	146.0	139.6	26.74	136.8	25.95	132.9	25.55	129.7	25.16	125.6	24.16	118.7	21.89
		182.5	140.4	26.80	137.6	26.01	133.6	25.60	130.4	25.07	126.3	23.98	119.4	21.80
		365.0	143.6	27.02	141.0	26.24	136.6	25.78	133.3	24.69	128.8	23.27	121.9	21.42
		456.3	144.4	26.61	140.9	26.01	137.7	25.78	134.4	24.69	129.9	23.27	123.0	22.89
		547.5	144.8	26.40	140.8	25.90	138.3	25.78	135.0	24.69	130.5	23.27	123.6	23.63
	20	146.0	143.5	24.06	140.8	23.03	136.5	22.42	132.8	22.09	128.5	21.82	121.5	20.71
		182.5	144.4	24.06	141.6	23.12	137.3	22.51	133.6	22.18	129.3	21.80	122.3	20.63
		365.0	148.1	24.06	145.0	23.45	140.3	22.89	137.0	22.51	132.5	21.72	125.2	20.33
		456.3	148.8	23.83	144.9	23.27	141.4	22.89	137.7	22.51	133.3	21.80	125.9	21.09
		547.5	149.1	23.72	144.8	23.17	142.0	22.89	138.1	22.51	133.7	21.84	126.3	21.46
	25	146.0	150.5	22.75	146.1	21.69	141.4	21.27	138.4	20.80	134.7	20.42	127.4	19.00
		182.5	150.5	22.66	146.1	21.65	141.4	21.24	138.4	20.71	134.7	20.33	127.4	18.91
		365.0	150.9	22.33	146.1	21.50	141.4	21.09	138.4	20.33	134.7	20.00	127.4	18.53
		456.3	151.3	21.50	146.1	20.94	141.4	20.71	138.4	20.33	134.7	19.62	127.4	18.53
		547.5	151.5	21.08	146.1	20.65	141.4	20.52	138.4	20.33	134.7	19.43	127.4	18.53
	30	146.0	151.3	21.75	146.1	20.68	141.4	20.09	138.4	19.33	134.7	19.10	127.4	17.53
		182.5	151.3	21.57	146.1	20.56	141.4	20.00	138.4	19.24	134.7	18.91	127.4	17.44
		365.0	151.3	20.86	146.1	20.07	141.4	19.62	138.4	18.91	134.7	18.15	127.4	17.06
		456.3	151.3	20.18	146.1	19.62	141.4	19.24	138.4	18.91	134.7	18.15	127.4	16.73
		547.5	151.3	19.84	146.1	19.39	141.4	19.05	138.4	18.91	134.7	18.15	127.4	16.56
	35	146.0	151.3	20.78	146.1	19.65	141.4	19.10	138.4	18.33	134.7	17.62	127.4	16.06
		182.5	151.3	20.48	146.1	19.47	141.4	18.91	138.4	18.15	134.7	17.44	127.4	15.97
		365.0	151.3	19.32	146.1	18.76	141.4	18.15	138.4	17.44	134.7	16.73	127.4	15.64
		456.3	151.3	19.09	146.1	18.61	141.4	18.15	138.4	17.44	134.7	16.73	127.4	15.26
		547.5	151.3	18.98	146.1	18.53	141.4	18.15	138.4	17.44	134.7	16.73	127.4	15.07
	40	146.0	151.3	20.16	146.1	18.75	141.4	18.01	138.4	17.24	134.7	16.53	127.4	14.97
		182.5	151.3	19.77	146.1	18.53	141.4	17.82	138.4	17.06	134.7	16.35	127.4	14.88
		365.0	151.3	18.23	146.1	17.67	141.4	17.06	138.4	16.35	134.7	15.64	127.4	14.55
		456.3	151.3	18.00	146.1	17.44	141.4	17.06	138.4	16.35	134.7	15.64	127.4	14.17
		547.5	151.3	17.89	146.1	17.33	141.4	17.06	138.4	16.35	134.7	15.64	127.4	13.98
	45	146.0	151.3	19.54	146.1	17.85	141.4	16.92	138.4	16.15	134.7	15.44	127.4	13.88
		182.5	151.3	19.06	146.1	17.59	141.4	16.73	138.4	15.97	134.7	15.26	127.4	13.79
		365.0	151.3	17.14	146.1	16.58	141.4	15.97	138.4	15.26	134.7	14.55	127.4	13.46
		456.3	151.3	16.91	146.1	16.27	141.4	15.97	138.4	15.26	134.7	14.55	127.4	13.08
		547.5	151.3	16.80	146.1	16.12	141.4	15.97	138.4	15.26	134.7	14.55	127.4	12.89
110	-5	146.0	50.9	23.13	50.6	21.50	50.3	20.01	49.7	19.16	49.9	18.61	48.8	16.66
		182.5	52.7	23.53	52.3	21.91	52.0	20.45	51.4	19.58	51.6	19.02	50.4	17.03
		365.0	59.6	25.11	59.2	23.57	58.9	22.18	58.2	21.24	58.2	20.63	57.1	18.49
		456.3	65.8	26.72	65.4	25.18	65.0	23.90	64.4	22.93	64.4	22.25	63.0	19.92
		547.5	68.9	27.54	68.4	26.00	68.1	24.78	67.4	23.78	67.4	23.07	66.0	20.64
	0	146.0	91.0	31.65	89.0	30.29	87.1	29.31	85.5	28.07	84.7	27.29	81.5	24.39
		182.5	91.5	31.72	89.5	30.37	87.6	29.39	86.0	28.15	85.2	27.36	82.0	24.47
		365.0	93.6	32.02	91.6	30.67	89.6	29.73	88.0	28.49	87.2	27.66	83.8	24.77
		456.3	95.1	32.02	93.1	30.67	91.1	29.73	89.3	28.49	88.5	27.66	85.1	24.77
		547.5	95.8	32.02	93.8	30.67	91.8	29.73	90.0	28.49	89.2	27.66	85.7	24.77
	5	146.0	132.7	34.01	129.6	32.74	126.6	31.90	123.7	30.55	118.9	29.69	113.1	26.59
		182.5	133.2	34.17	129.8	32.89	126.6	32.06	123.7	30.71	118.9	29.84	113.1	26.72
		365.0	135.0	34.77	130.8	33.49	126.7	32.70	123.7	31.35	118.9	30.44	113.1	27.25
		456.3	135.7	34.99	131.2	33.71	126.7	32.93	123.7	31.57	118.9	30.67	113.1	27.44
		547.5	136.1	35.11	131.3	33.83	126.7	33.04	123.7	31.69	118.9	30.78	113.1	27.53
	10	146.0	133.2	30.50	129.9	29.46	126.4	28.82	123.5	27.85	118.7	26.93	113.0	24.21
		182.5	133.7	30.56	130.3	29.54	126.6	28.90	123.7	27.89	118.9	26.91	113.1	24.24
		365.0	135.7	30.78	131.6	29.88	127.4	29.24	124.5	28.04	119.7	26.84	113.7	24.36
		456.3	136.5	30.78	132.2	29.88	127.8	29.17	124.7	27.96	119.9	26.95	114.0	24.62
		547.5	136.9	30.78	132.5	29.88	128.1	29.13	124.8	27.93	120.0	27.01	114.2	24.75

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	146.0	133.6	26.99	130.1	26.24	126.3	25.78	123.3	25.16	118.5	24.16	112.8	21.89
		182.5	134.2	26.95	130.6	26.24	126.7	25.78	123.7	25.07	118.9	23.98	113.1	21.80
		365.0	136.4	26.80	132.5	26.24	128.2	25.78	125.2	24.69	120.5	23.27	114.2	21.42
		456.3	137.2	26.61	133.2	26.01	128.8	25.45	125.6	24.36	120.8	23.27	114.9	21.80
		547.5	137.6	26.52	133.5	25.90	129.2	25.28	125.8	24.19	121.0	23.27	115.2	21.99
	20	146.0	136.1	23.29	132.4	22.74	128.1	22.18	124.7	21.80	120.1	21.18	113.8	19.81
		182.5	136.8	23.34	132.8	22.74	128.5	22.18	125.2	21.80	120.5	21.09	114.2	19.77
		365.0	139.7	23.53	134.6	22.74	129.9	22.18	127.0	21.80	121.9	20.71	116.0	19.62
		456.3	140.5	23.53	135.7	22.74	130.7	22.18	127.4	21.42	122.6	20.71	116.4	19.62
		547.5	140.9	23.53	136.3	22.74	131.1	22.18	127.6	21.23	122.9	20.71	116.5	19.62
	25	146.0	140.4	21.20	136.2	20.42	130.7	20.09	127.8	19.33	123.4	18.62	116.8	17.06
		182.5	140.6	21.16	136.2	20.33	130.7	20.00	127.8	19.24	123.4	18.53	116.8	17.06
		365.0	141.7	21.01	136.2	20.00	130.7	19.62	127.8	18.91	123.4	18.15	116.8	17.06
		456.3	142.4	21.01	136.2	20.07	130.7	19.24	127.8	18.91	123.4	17.82	116.8	16.73
		547.5	142.8	21.01	136.2	20.11	130.7	19.05	127.8	18.91	123.4	17.65	116.8	16.56
	30	146.0	142.4	19.33	136.2	18.62	130.7	17.91	127.8	17.53	123.4	16.44	116.8	15.35
		182.5	142.4	19.24	136.2	18.53	130.7	17.82	127.8	17.44	123.4	16.35	116.8	15.26
		365.0	142.4	18.91	136.2	18.15	130.7	17.44	127.8	17.06	123.4	15.97	116.8	14.88
		456.3	142.4	18.76	136.2	17.82	130.7	17.06	127.8	16.73	123.4	15.97	116.8	14.88
		547.5	142.4	18.68	136.2	17.65	130.7	16.87	127.8	16.56	123.4	15.97	116.8	14.88
	35	146.0	142.4	18.33	136.2	17.15	130.7	16.44	127.8	15.73	123.4	14.97	116.8	13.88
		182.5	142.4	18.15	136.2	17.06	130.7	16.35	127.8	15.64	123.4	14.88	116.8	13.79
		365.0	142.4	17.44	136.2	16.73	130.7	15.97	127.8	15.26	123.4	14.55	116.8	13.46
		456.3	142.4	16.99	136.2	16.35	130.7	15.64	127.8	15.26	123.4	14.55	116.8	13.46
		547.5	142.4	16.76	136.2	16.16	130.7	15.47	127.8	15.26	123.4	14.55	116.8	13.46
	40	146.0	142.4	17.24	136.2	16.53	130.7	15.44	127.8	14.64	123.4	13.88	116.8	12.79
		182.5	142.4	17.06	136.2	16.35	130.7	15.26	127.8	14.55	123.4	13.79	116.8	12.70
		365.0	142.4	16.35	136.2	15.64	130.7	14.55	127.8	14.17	123.4	13.46	116.8	12.37
		456.3	142.4	16.12	136.2	15.26	130.7	14.55	127.8	13.79	123.4	13.08	116.8	11.99
		547.5	142.4	16.01	136.2	15.07	130.7	14.55	127.8	13.60	123.4	12.89	116.8	11.80
	45	146.0	142.4	16.15	136.2	15.91	130.7	14.45	127.8	13.55	123.4	12.79	116.8	11.70
		182.5	142.4	15.97	136.2	15.64	130.7	14.17	127.8	13.46	123.4	12.70	116.8	11.61
		365.0	142.4	15.26	136.2	14.55	130.7	13.08	127.8	13.08	123.4	12.37	116.8	11.28
		456.3	142.4	15.26	136.2	14.17	130.7	13.46	127.8	12.37	123.4	11.61	116.8	10.52
		547.5	142.4	15.26	136.2	13.98	130.7	13.65	127.8	12.01	123.4	11.24	116.8	10.15
100	-5	146.0	48.1	23.13	47.8	21.80	47.6	20.01	47.2	19.16	46.7	18.31	45.8	16.66
		182.5	49.8	23.53	49.4	22.21	49.2	20.45	48.8	19.58	48.3	18.72	47.4	17.03
		365.0	56.3	25.11	56.0	23.87	55.7	22.18	55.1	21.24	54.7	20.33	53.8	18.49
		456.3	62.2	26.72	61.8	25.52	61.5	23.90	60.9	22.93	60.5	21.91	59.3	19.92
		547.5	65.2	27.54	64.7	26.35	64.4	24.78	63.8	23.78	63.4	22.71	62.2	20.64
	0	146.0	86.0	31.65	84.1	30.71	82.4	29.31	80.9	28.07	79.5	26.87	76.7	24.39
		182.5	86.5	31.72	84.6	30.78	82.8	29.39	81.4	28.15	79.9	26.95	77.2	24.47
		365.0	88.5	32.02	86.6	31.08	84.7	29.73	83.3	28.49	81.8	27.25	78.9	24.77
		456.3	89.9	32.02	88.0	31.08	86.1	29.73	84.5	28.49	83.1	27.25	80.2	24.77
		547.5	90.5	32.02	88.6	31.08	86.7	29.73	85.1	28.49	83.7	27.25	80.8	24.77
	5	146.0	126.9	34.01	122.7	33.19	119.6	31.90	117.1	30.55	111.6	29.24	106.4	26.59
		182.5	127.4	34.17	122.9	33.34	119.6	32.06	117.1	30.71	111.6	29.39	106.4	26.72
		365.0	129.2	34.77	123.8	33.94	119.7	32.70	117.1	31.35	111.6	29.99	106.4	27.25
		456.3	129.9	34.99	124.2	34.17	119.7	32.93	117.1	31.57	111.6	30.18	106.4	27.44
		547.5	130.3	35.11	124.3	34.28	119.7	33.04	117.1	31.69	111.6	30.28	106.4	27.53
	10	146.0	127.6	30.42	123.1	29.75	119.7	28.82	117.1	27.85	111.6	26.47	106.4	24.21
		182.5	127.9	30.56	123.3	29.84	119.7	28.90	117.1	27.89	111.6	26.50	106.4	24.24
		365.0	129.2	31.12	123.9	30.22	119.7	29.24	117.1	28.04	111.6	26.61	106.4	24.36
		456.3	130.1	31.01	124.5	30.22	119.7	29.17	117.1	27.96	111.6	26.54	106.4	24.24
		547.5	130.5	30.95	124.8	30.22	119.7	29.13	117.1	27.93	111.6	26.50	106.4	24.19
	15	146.0	128.3	26.82	123.6	26.37	119.7	25.78	117.1	25.16	111.6	23.69	106.4	21.89
		182.5	128.5	26.95	123.7	26.39	119.7	25.78	117.1	25.07	111.6	23.60	106.4	21.80
		365.0	129.2	27.48	124.0	26.46	119.7	25.78	117.1	24.69	111.6	23.27	106.4	21.42
		456.3	130.3	27.02	124.7	26.24	119.7	25.45	117.1	24.36	111.6	22.89	106.4	21.09
		547.5	130.8	26.80	125.0	26.12	119.7	25.28	117.1	24.19	111.6	22.70	106.4	20.92
	20	146.0	129.0	22.94	124.3	22.34	119.7	21.80	117.1	21.51	111.6	20.09	106.4	19.10
		182.5	129.5	23.04	124.4	22.36	119.7	21.80	117.1	21.42	111.6	20.00	106.4	18.91
		365.0	131.4	23.45	124.7	22.44	119.7	21.80	117.1	21.09	111.6	19.62	106.4	18.15
		456.3	132.2	23.04	125.8	22.25	119.7	21.42	117.1	20.71	111.6	19.24	106.4	17.82
		547.5	132.6	22.83	126.4	22.16	119.7	21.23	117.1	20.52	111.6	19.05	106.4	17.65

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	146.0	130.6	20.05	126.3	19.42	119.7	18.62	117.1	17.91	111.6	16.82	106.4	15.26
		182.5	131.1	20.07	126.3	19.32	119.7	18.53	117.1	17.82	111.6	16.73	106.4	15.26
		365.0	133.0	20.15	126.3	18.91	119.7	18.15	117.1	17.44	111.6	16.35	106.4	15.26
		456.3	133.6	19.70	126.3	18.76	119.7	17.82	117.1	17.06	111.6	16.35	106.4	14.88
		547.5	134.0	19.47	126.3	18.68	119.7	17.65	117.1	16.87	111.6	16.35	106.4	14.69
	30	146.0	133.6	18.24	126.3	16.82	119.7	15.67	117.1	15.35	111.6	14.17	106.4	13.55
		182.5	133.6	18.15	126.3	16.73	119.7	15.64	117.1	15.26	111.6	14.17	106.4	13.46
		365.0	133.6	17.82	126.3	16.35	119.7	15.49	117.1	14.88	111.6	14.17	106.4	13.08
		456.3	133.6	17.44	126.3	16.35	119.7	15.26	117.1	14.88	111.6	13.79	106.4	13.08
		547.5	133.6	17.25	126.3	16.35	119.7	15.15	117.1	14.88	111.6	13.60	106.4	13.08
	35	146.0	133.6	16.92	126.3	15.44	119.7	13.83	117.1	13.55	111.6	12.79	106.4	11.70
		182.5	133.6	16.73	126.3	15.26	119.7	13.79	117.1	13.46	111.6	12.70	106.4	11.61
		365.0	133.6	15.97	126.3	14.55	119.7	13.64	117.1	13.08	111.6	12.37	106.4	11.28
		456.3	133.6	15.97	126.3	14.55	119.7	13.46	117.1	13.08	111.6	12.37	106.4	11.28
		547.5	133.6	15.97	126.3	14.55	119.7	13.36	117.1	13.08	111.6	12.37	106.4	11.28
	40	146.0	133.6	15.83	126.3	14.35	119.7	12.40	117.1	12.08	111.6	11.37	106.4	10.61
		182.5	133.6	15.64	126.3	14.17	119.7	12.37	117.1	11.99	111.6	11.28	106.4	10.52
		365.0	133.6	14.88	126.3	13.46	119.7	12.22	117.1	11.61	111.6	10.90	106.4	10.19
		456.3	133.6	14.55	126.3	13.46	119.7	11.99	117.1	11.61	111.6	10.90	106.4	10.19
		547.5	133.6	14.38	126.3	13.46	119.7	11.88	117.1	11.61	111.6	10.90	106.4	10.19
	45	146.0	133.6	14.74	126.3	13.26	119.7	10.94	117.1	10.61	111.6	9.90	106.4	9.52
		182.5	133.6	14.55	126.3	13.08	119.7	10.90	117.1	10.52	111.6	9.81	106.4	9.43
		365.0	133.6	13.79	126.3	12.37	119.7	10.75	117.1	10.19	111.6	9.43	106.4	9.10
		456.3	133.6	13.08	126.3	12.37	119.7	10.52	117.1	10.19	111.6	9.43	106.4	9.10
		547.5	133.6	12.72	126.3	12.37	119.7	10.41	117.1	10.19	111.6	9.43	106.4	9.10
90	-5	146.0	45.4	21.47	44.0	19.55	42.7	17.17	42.4	16.37	42.1	15.77	41.4	14.16
		182.5	47.0	21.84	45.5	19.92	44.2	17.55	43.9	16.73	43.5	16.12	42.8	14.47
		365.0	53.2	23.30	51.6	21.39	50.0	19.06	49.7	18.15	49.3	17.52	48.3	15.71
		456.3	58.8	24.77	56.9	22.89	55.2	20.56	54.8	19.58	54.4	18.87	53.4	16.95
		547.5	61.6	25.51	59.6	23.65	57.9	21.32	57.4	20.30	57.0	19.55	56.0	17.58
	0	146.0	81.3	29.24	77.5	27.44	73.9	25.19	72.8	24.03	71.6	23.12	68.9	20.77
		182.5	81.7	29.32	77.9	27.51	74.4	25.26	73.3	24.09	72.0	23.19	69.4	20.82
		365.0	83.6	29.62	79.7	27.81	76.2	25.52	74.9	24.36	73.7	23.45	71.0	21.05
		456.3	84.8	29.62	81.0	27.81	77.4	25.52	76.1	24.36	74.9	23.45	72.2	21.05
		547.5	85.5	29.62	81.6	27.81	78.0	25.52	76.6	24.36	75.6	23.45	72.7	21.05
	5	146.0	114.8	31.39	111.1	29.63	107.6	27.42	105.3	26.14	100.7	25.16	95.9	22.59
		182.5	114.9	31.53	111.0	29.77	107.6	27.55	105.3	26.27	100.7	25.30	95.9	22.70
		365.0	115.4	32.10	110.7	30.33	107.6	28.08	105.3	26.80	100.7	25.82	95.9	23.15
		456.3	116.0	32.29	111.0	30.52	107.6	28.30	105.3	26.99	100.7	26.01	95.9	23.34
		547.5	116.4	32.38	111.2	30.61	107.6	28.42	105.3	27.08	100.7	26.10	95.9	23.44
	10	146.0	115.4	27.72	111.5	26.36	107.6	24.82	105.3	23.80	100.7	22.83	95.9	20.58
		182.5	115.4	27.74	111.3	26.39	107.6	24.84	105.3	23.83	100.7	22.81	95.9	20.60
		365.0	115.1	27.81	110.8	26.50	107.6	24.96	105.3	23.94	100.7	22.74	95.9	20.67
		456.3	115.9	27.74	111.1	26.42	107.6	24.88	105.3	23.87	100.7	22.81	95.9	20.75
		547.5	116.3	27.70	111.3	26.39	107.6	24.84	105.3	23.83	100.7	22.85	95.9	20.79
	15	146.0	116.0	24.00	111.9	23.14	107.6	22.27	105.3	21.51	100.7	20.51	95.9	18.62
		182.5	115.8	23.90	111.7	23.04	107.6	22.18	105.3	21.42	100.7	20.33	95.9	18.53
		365.0	115.0	23.53	110.9	22.66	107.6	21.80	105.3	21.09	100.7	19.62	95.9	18.15
		456.3	115.8	23.19	111.2	22.33	107.6	21.42	105.3	20.71	100.7	19.62	95.9	18.15
		547.5	116.2	23.02	111.4	22.16	107.6	21.23	105.3	20.52	100.7	19.62	95.9	18.15
	20	146.0	116.7	20.26	112.4	19.68	107.6	19.00	105.3	18.24	100.7	17.62	95.9	16.53
		182.5	116.6	20.26	112.1	19.62	107.6	18.91	105.3	18.15	100.7	17.44	95.9	16.35
		365.0	116.1	20.26	111.2	19.39	107.6	18.53	105.3	17.82	100.7	16.73	95.9	15.64
		456.3	116.5	19.92	111.6	19.24	107.6	18.53	105.3	17.82	100.7	16.73	95.9	15.64
		547.5	116.6	19.75	111.7	19.17	107.6	18.53	105.3	17.82	100.7	16.73	95.9	15.64
	25	146.0	118.6	17.70	113.8	16.76	107.6	16.06	105.3	15.26	100.7	14.64	95.9	13.55
		182.5	118.9	17.67	113.8	16.73	107.6	15.97	105.3	15.26	100.7	14.55	95.9	13.46
		365.0	120.0	17.52	113.8	16.58	107.6	15.64	105.3	15.26	100.7	14.17	95.9	13.08
		456.3	120.5	17.06	113.8	16.20	107.6	15.64	105.3	14.88	100.7	14.17	95.9	13.08
		547.5	120.7	16.84	113.8	16.01	107.6	15.64	105.3	14.69	100.7	14.17	95.9	13.08
	30	146.0	120.5	16.06	113.8	14.97	107.6	13.88	105.3	13.55	100.7	12.79	95.9	11.61
		182.5	120.5	15.97	113.8	14.88	107.6	13.79	105.3	13.46	100.7	12.70	95.9	11.61
		365.0	120.5	15.64	113.8	14.55	107.6	13.46	105.3	13.08	100.7	12.37	95.9	11.61
		456.3	120.5	15.26	113.8	14.17	107.6	13.46	105.3	13.08	100.7	12.37	95.9	11.28
		547.5	120.5	15.07	113.8	13.98	107.6	13.46	105.3	13.08	100.7	12.37	95.9	11.11

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	146.0	120.5	14.64	113.8	13.55	107.6	12.46	105.3	12.08	100.7	11.37	95.9	10.61
		182.5	120.5	14.55	113.8	13.46	107.6	12.37	105.3	11.99	100.7	11.28	95.9	10.52
		365.0	120.5	14.17	113.8	13.08	107.6	11.99	105.3	11.61	100.7	10.90	95.9	10.19
		456.3	120.5	13.79	113.8	12.70	107.6	11.61	105.3	11.28	100.7	10.90	95.9	10.19
		547.5	120.5	13.60	113.8	12.51	107.6	11.42	105.3	11.11	100.7	10.90	95.9	10.19
	40	146.0	120.5	13.65	113.8	12.46	107.6	10.99	105.3	10.61	100.7	10.28	95.9	9.52
		182.5	120.5	13.46	113.8	12.37	107.6	10.90	105.3	10.52	100.7	10.19	95.9	9.43
		365.0	120.5	12.70	113.8	11.99	107.6	10.52	105.3	10.19	100.7	9.81	95.9	9.10
		456.3	120.5	12.70	113.8	11.99	107.6	10.52	105.3	10.19	100.7	9.81	95.9	9.10
		547.5	120.5	12.70	113.8	11.99	107.6	10.52	105.3	10.19	100.7	9.81	95.9	9.10
	45	146.0	120.5	12.64	113.8	11.37	107.6	9.52	105.3	9.19	100.7	9.19	95.9	8.43
		182.5	120.5	12.37	113.8	11.28	107.6	9.43	105.3	9.10	100.7	9.10	95.9	8.34
		365.0	120.5	11.28	113.8	10.90	107.6	9.10	105.3	8.72	100.7	8.72	95.9	8.01
		456.3	120.5	11.61	113.8	11.28	107.6	9.43	105.3	9.10	100.7	8.72	95.9	8.01
		547.5	120.5	11.78	113.8	11.47	107.6	9.60	105.3	9.29	100.7	8.72	95.9	8.01
80	-5	146.0	43.0	15.29	40.3	14.71	38.1	14.09	37.7	13.61	37.5	12.98	36.7	11.96
		182.5	44.4	15.64	41.6	15.03	39.4	14.40	39.0	13.91	38.7	13.27	38.0	12.22
		365.0	50.2	16.99	47.1	16.31	44.5	15.60	44.1	15.07	43.9	14.40	43.0	13.23
		456.3	55.6	18.30	52.0	17.59	49.2	16.84	48.7	16.27	48.4	15.52	47.4	14.28
		547.5	58.3	18.97	54.5	18.23	51.6	17.46	51.0	16.88	50.7	16.09	49.7	14.81
	0	146.0	76.7	22.45	70.7	21.55	65.9	20.65	64.6	19.94	63.7	19.00	61.3	17.51
		182.5	77.2	22.51	71.2	21.61	66.3	20.71	65.0	20.00	64.1	19.06	61.7	17.55
		365.0	79.1	22.78	72.8	21.88	67.8	20.94	66.6	20.22	65.7	19.28	63.1	17.74
		456.3	80.2	22.78	73.9	21.88	68.9	20.94	67.6	20.22	66.7	19.28	64.1	17.74
		547.5	80.7	22.78	74.5	21.88	69.5	20.94	68.1	20.22	67.2	19.28	64.6	17.74
	5	146.0	106.1	24.41	100.1	23.49	95.7	22.43	93.6	21.69	89.6	20.68	85.2	19.03
		182.5	106.3	24.54	100.3	23.60	95.8	22.55	93.6	21.80	89.6	20.79	85.2	19.13
		365.0	107.2	25.07	101.1	24.06	95.9	23.04	93.6	22.25	89.6	21.20	85.2	19.54
		456.3	107.2	25.22	101.0	24.24	95.9	23.19	93.6	22.40	89.6	21.35	85.2	19.66
		547.5	107.2	25.30	100.9	24.34	95.9	23.27	93.6	22.48	89.6	21.42	85.2	19.71
	10	146.0	106.7	22.47	100.5	21.45	95.7	20.36	93.6	19.80	89.6	18.75	85.2	17.36
		182.5	106.8	22.44	100.7	21.42	95.8	20.37	93.6	19.81	89.6	18.76	85.2	17.36
		365.0	107.2	22.33	101.1	21.31	95.9	20.41	93.6	19.85	89.6	18.79	85.2	17.40
		456.3	107.2	22.25	101.0	21.39	95.9	20.48	93.6	19.73	89.6	18.68	85.2	17.29
		547.5	107.2	22.21	100.9	21.42	95.9	20.52	93.6	19.68	89.6	18.62	85.2	17.23
	15	146.0	107.2	20.51	101.0	19.42	95.9	18.24	93.6	17.91	89.6	16.82	85.2	15.73
		182.5	107.2	20.33	101.0	19.24	95.9	18.15	93.6	17.82	89.6	16.73	85.2	15.64
		365.0	107.2	19.62	101.0	18.53	95.9	17.82	93.6	17.44	89.6	16.35	85.2	15.26
		456.3	107.2	19.24	101.0	18.53	95.9	17.82	93.6	17.06	89.6	15.97	85.2	14.88
		547.5	107.2	19.05	101.0	18.53	95.9	17.82	93.6	16.87	89.6	15.78	85.2	14.69
	20	146.0	107.2	17.15	101.0	16.44	95.9	15.64	93.6	15.35	89.6	14.64	85.2	13.55
		182.5	107.2	17.06	101.0	16.35	95.9	15.64	93.6	15.26	89.6	14.55	85.2	13.46
		365.0	107.2	16.73	101.0	15.97	95.9	15.64	93.6	14.88	89.6	14.17	85.2	13.08
		456.3	107.2	16.35	101.0	15.64	95.9	15.26	93.6	14.88	89.6	13.79	85.2	13.08
		547.5	107.2	16.16	101.0	15.47	95.9	15.07	93.6	14.88	89.6	13.60	85.2	13.08
	25	146.0	107.2	15.35	101.0	14.26	95.9	13.46	93.6	13.17	89.6	12.46	85.2	11.70
		182.5	107.2	15.26	101.0	14.17	95.9	13.46	93.6	13.08	89.6	12.37	85.2	11.61
		365.0	107.2	14.88	101.0	13.79	95.9	13.46	93.6	12.70	89.6	11.99	85.2	11.28
		456.3	107.2	14.55	101.0	13.79	95.9	13.08	93.6	12.70	89.6	11.99	85.2	11.28
		547.5	107.2	14.38	101.0	13.79	95.9	12.89	93.6	12.70	89.6	11.99	85.2	11.28
	30	146.0	107.2	13.55	101.0	12.79	95.9	12.08	93.6	11.70	89.6	10.99	85.2	10.28
		182.5	107.2	13.46	101.0	12.70	95.9	11.99	93.6	11.61	89.6	10.90	85.2	10.19
		365.0	107.2	13.08	101.0	12.37	95.9	11.61	93.6	11.28	89.6	10.52	85.2	9.81
		456.3	107.2	13.08	101.0	12.37	95.9	11.61	93.6	11.28	89.6	10.52	85.2	9.81
		547.5	107.2	13.08	101.0	12.37	95.9	11.61	93.6	11.28	89.6	10.52	85.2	9.81
	35	146.0	107.2	12.46	101.0	11.70	95.9	10.61	93.6	10.19	89.6	9.90	85.2	9.10
		182.5	107.2	12.37	101.0	11.61	95.9	10.52	93.6	10.19	89.6	9.81	85.2	9.10
		365.0	107.2	11.99	101.0	11.28	95.9	10.19	93.6	10.19	89.6	9.43	85.2	9.10
		456.3	107.2	11.99	101.0	10.90	95.9	10.19	93.6	9.81	89.6	9.43	85.2	8.72
		547.5	107.2	11.99	101.0	10.71	95.9	10.19	93.6	9.62	89.6	9.43	85.2	8.53
	40	146.0	107.2	11.79	101.0	10.61	95.9	9.43	93.6	9.52	89.6	8.72	85.2	8.43
		182.5	107.2	11.61	101.0	10.52	95.9	9.43	93.6	9.43	89.6	8.72	85.2	8.34
		365.0	107.2	10.90	101.0	10.19	95.9	9.43	93.6	9.10	89.6	8.72	85.2	8.01
		456.3	107.2	10.90	101.0	10.19	95.9	9.10	93.6	9.10	89.6	8.72	85.2	8.01
		547.5	107.2	10.90	101.0	10.19	95.9	8.93	93.6	9.10	89.6	8.72	85.2	8.01

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	146.0	107.2	11.18	101.0	9.52	95.9	8.25	93.6	8.90	89.6	7.54	85.2	7.81
		182.5	107.2	10.90	101.0	9.43	95.9	8.34	93.6	8.72	89.6	7.63	85.2	7.63
		365.0	107.2	9.81	101.0	9.10	95.9	8.72	93.6	8.01	89.6	8.01	85.2	6.92
		456.3	107.2	9.81	101.0	9.43	95.9	8.01	93.6	8.34	89.6	8.01	85.2	7.25
		547.5	107.2	9.81	101.0	9.60	95.9	7.65	93.6	8.51	89.6	8.01	85.2	7.42
70	-5	146.0	37.5	13.13	35.2	12.50	33.3	12.10	32.9	11.40	32.7	11.00	32.2	10.01
		182.5	38.7	13.42	36.4	12.78	34.4	12.37	34.1	11.65	33.9	11.24	33.3	10.22
		365.0	43.9	14.55	41.2	13.87	38.9	13.42	38.5	12.63	38.3	12.18	37.6	11.09
		456.3	48.5	15.71	45.5	14.96	43.0	14.47	42.6	13.61	42.3	13.16	41.5	11.95
		547.5	50.9	16.30	47.7	15.51	45.1	15.00	44.7	14.10	44.3	13.65	43.5	12.39
	0	146.0	67.1	19.22	62.0	18.33	57.6	17.72	56.6	16.68	55.7	16.11	53.7	14.66
		182.5	67.5	19.28	62.4	18.38	57.9	17.78	56.9	16.73	56.0	16.16	54.0	14.70
		365.0	69.0	19.51	63.8	18.57	59.2	18.00	58.2	16.91	57.3	16.35	55.2	14.85
		456.3	70.0	19.51	64.8	18.57	60.1	18.00	59.1	16.91	58.2	16.35	56.1	14.85
		547.5	70.5	19.51	65.3	18.57	60.6	18.00	59.6	16.91	58.7	16.35	56.6	14.85
	5	146.0	92.7	20.94	87.8	19.93	83.6	19.29	81.8	18.18	78.2	17.53	74.5	15.93
		182.5	92.9	21.05	88.0	20.03	83.6	19.39	81.8	18.27	78.2	17.63	74.5	16.01
		365.0	93.6	21.46	88.6	20.45	83.7	19.81	81.8	18.61	78.2	18.00	74.5	16.35
		456.3	93.6	21.61	88.5	20.60	83.7	19.96	81.8	18.76	78.2	18.12	74.5	16.46
		547.5	93.6	21.69	88.5	20.67	83.7	20.03	81.8	18.83	78.2	18.17	74.5	16.52
	10	146.0	93.1	19.28	88.1	18.23	83.7	17.55	81.8	16.58	78.2	15.90	74.5	14.55
		182.5	93.2	19.24	88.2	18.19	83.7	17.52	81.8	16.58	78.2	15.90	74.5	14.55
		365.0	93.6	19.09	88.5	18.04	83.7	17.36	81.8	16.58	78.2	15.90	74.5	14.55
		456.3	93.6	19.17	88.5	18.12	83.7	17.44	81.8	16.65	78.2	15.79	74.5	14.58
		547.5	93.6	19.21	88.5	18.15	83.7	17.48	81.8	16.69	78.2	15.73	74.5	14.60
	15	146.0	93.6	17.62	88.5	16.53	83.7	15.83	81.8	14.97	78.2	14.26	74.5	13.17
		182.5	93.6	17.44	88.5	16.35	83.7	15.64	81.8	14.88	78.2	14.17	74.5	13.08
		365.0	93.6	16.73	88.5	15.64	83.7	14.88	81.8	14.55	78.2	13.79	74.5	12.70
		456.3	93.6	16.73	88.5	15.64	83.7	14.88	81.8	14.55	78.2	13.46	74.5	12.70
		547.5	93.6	16.73	88.5	15.64	83.7	14.88	81.8	14.55	78.2	13.29	74.5	12.70
	20	146.0	93.6	14.64	88.5	13.88	83.7	13.55	81.8	13.17	78.2	12.46	74.5	11.70
		182.5	93.6	14.55	88.5	13.79	83.7	13.46	81.8	13.08	78.2	12.37	74.5	11.61
		365.0	93.6	14.17	88.5	13.46	83.7	13.08	81.8	12.70	78.2	11.99	74.5	11.28
		456.3	93.6	14.17	88.5	13.46	83.7	13.08	81.8	12.37	78.2	11.99	74.5	10.90
		547.5	93.6	14.17	88.5	13.46	83.7	13.08	81.8	12.20	78.2	11.99	74.5	10.71
	25	146.0	93.6	13.17	88.5	12.46	83.7	11.70	81.8	11.37	78.2	10.52	74.5	9.81
		182.5	93.6	13.08	88.5	12.37	83.7	11.61	81.8	11.28	78.2	10.52	74.5	9.81
		365.0	93.6	12.70	88.5	11.99	83.7	11.28	81.8	10.90	78.2	10.52	74.5	9.81
		456.3	93.6	12.37	88.5	11.61	83.7	11.28	81.8	10.90	78.2	10.19	74.5	9.81
		547.5	93.6	12.20	88.5	11.42	83.7	11.28	81.8	10.90	78.2	10.02	74.5	9.81
	30	146.0	93.6	11.70	88.5	10.99	83.7	10.28	81.8	9.81	78.2	9.52	74.5	8.72
		182.5	93.6	11.61	88.5	10.90	83.7	10.19	81.8	9.81	78.2	9.43	74.5	8.72
		365.0	93.6	11.28	88.5	10.52	83.7	9.81	81.8	9.81	78.2	9.10	74.5	8.72
		456.3	93.6	11.28	88.5	10.52	83.7	9.81	81.8	9.43	78.2	9.10	74.5	8.72
		547.5	93.6	11.28	88.5	10.52	83.7	9.81	81.8	9.24	78.2	9.10	74.5	8.72
	35	146.0	93.6	10.61	88.5	9.90	83.7	9.10	81.8	9.19	78.2	8.34	74.5	8.10
		182.5	93.6	10.52	88.5	9.81	83.7	9.10	81.8	9.10	78.2	8.34	74.5	8.01
		365.0	93.6	10.19	88.5	9.43	83.7	9.10	81.8	8.72	78.2	8.34	74.5	7.63
		456.3	93.6	10.19	88.5	9.43	83.7	8.72	81.8	8.72	78.2	8.34	74.5	7.63
		547.5	93.6	10.19	88.5	9.43	83.7	8.53	81.8	8.72	78.2	8.34	74.5	7.63
	40	146.0	93.6	9.90	88.5	9.19	83.7	8.43	81.8	8.01	78.2	7.63	74.5	7.34
		182.5	93.6	9.81	88.5	9.10	83.7	8.34	81.8	8.01	78.2	7.63	74.5	7.25
		365.0	93.6	9.43	88.5	8.72	83.7	8.01	81.8	8.01	78.2	7.63	74.5	6.92
		456.3	93.6	9.43	88.5	8.72	83.7	8.01	81.8	7.63	78.2	7.25	74.5	6.92
		547.5	93.6	9.43	88.5	8.72	83.7	8.01	81.8	7.44	78.2	7.06	74.5	6.92
	45	146.0	93.6	9.19	88.5	8.43	83.7	7.81	81.8	6.83	78.2	6.92	74.5	6.63
		182.5	93.6	9.10	88.5	8.34	83.7	7.63	81.8	6.92	78.2	6.92	74.5	6.54
		365.0	93.6	8.72	88.5	8.01	83.7	6.92	81.8	7.25	78.2	6.92	74.5	6.16
		456.3	93.6	8.72	88.5	8.01	83.7	7.25	81.8	6.54	78.2	6.16	74.5	6.16
		547.5	93.6	8.72	88.5	8.01	83.7	7.42	81.8	6.18	78.2	5.79	74.5	6.16
60	-5	146.0	32.2	10.66	30.1	10.26	28.5	9.85	28.2	9.16	28.1	9.01	27.5	8.05
		182.5	33.3	10.90	31.2	10.49	29.5	10.07	29.2	9.36	29.1	9.21	28.5	8.23
		365.0	37.7	11.84	35.3	11.39	33.4	10.94	33.1	10.15	33.0	10.00	32.3	8.95
		456.3	41.6	12.74	39.0	12.29	37.0	11.80	36.5	10.98	36.4	10.79	35.6	9.62
		547.5	43.6	13.20	40.8	12.75	38.8	12.24	38.3	11.39	38.2	11.19	37.3	9.96

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	146.0	57.6	15.63	53.0	15.07	49.5	14.42	48.5	13.42	47.8	13.23	46.1	11.81
		182.5	57.9	15.67	53.3	15.11	49.8	14.47	48.8	13.46	48.1	13.27	46.3	11.84
		365.0	59.2	15.86	54.6	15.26	51.0	14.66	49.9	13.61	49.2	13.42	47.3	11.95
		456.3	60.1	15.86	55.5	15.26	51.8	14.66	50.7	13.61	50.0	13.42	48.1	11.95
		547.5	60.6	15.86	55.9	15.26	52.2	14.66	51.1	13.61	50.4	13.42	48.5	11.95
	5	146.0	79.6	17.02	75.0	16.38	71.9	15.70	70.1	14.62	67.1	14.39	63.9	12.83
		182.5	79.7	17.10	75.2	16.46	71.9	15.79	70.1	14.70	67.1	14.47	63.9	12.89
		365.0	80.4	17.44	75.7	16.80	71.9	16.12	70.1	15.00	67.1	14.77	63.9	13.16
		456.3	80.4	17.59	75.6	16.91	71.9	16.24	70.1	15.11	67.1	14.85	63.9	13.27
		547.5	80.4	17.67	75.5	16.97	71.9	16.29	70.1	15.17	67.1	14.88	63.9	13.32
	10	146.0	80.0	15.64	75.3	14.96	71.9	14.25	70.1	13.31	67.1	13.05	63.9	11.70
		182.5	80.1	15.64	75.4	14.96	71.9	14.25	70.1	13.34	67.1	13.04	63.9	11.73
		365.0	80.4	15.64	75.7	14.96	71.9	14.25	70.1	13.49	67.1	13.00	63.9	11.84
		456.3	80.4	15.67	75.6	14.81	71.9	14.09	70.1	13.34	67.1	12.89	63.9	11.73
		547.5	80.4	15.69	75.5	14.73	71.9	14.02	70.1	13.27	67.1	12.84	63.9	11.67
	15	146.0	80.4	14.26	75.6	13.55	71.9	12.79	70.1	11.99	67.1	11.70	63.9	10.52
		182.5	80.4	14.17	75.6	13.46	71.9	12.70	70.1	11.99	67.1	11.61	63.9	10.52
		365.0	80.4	13.79	75.6	13.08	71.9	12.37	70.1	11.99	67.1	11.28	63.9	10.52
		456.3	80.4	13.79	75.6	12.70	71.9	11.99	70.1	11.61	67.1	10.90	63.9	10.19
		547.5	80.4	13.79	75.6	12.51	71.9	11.80	70.1	11.42	67.1	10.71	63.9	10.02
	20	146.0	80.4	12.46	75.6	11.70	71.9	10.99	70.1	10.61	67.1	10.28	63.9	9.52
		182.5	80.4	12.37	75.6	11.61	71.9	10.90	70.1	10.52	67.1	10.19	63.9	9.43
		365.0	80.4	11.99	75.6	11.28	71.9	10.52	70.1	10.19	67.1	9.81	63.9	9.10
		456.3	80.4	11.99	75.6	11.28	71.9	10.52	70.1	10.19	67.1	9.81	63.9	9.10
		547.5	80.4	11.99	75.6	11.28	71.9	10.52	70.1	10.19	67.1	9.81	63.9	9.10
	25	146.0	80.4	10.99	75.6	10.28	71.9	9.43	70.1	9.52	67.1	8.72	63.9	8.43
		182.5	80.4	10.90	75.6	10.19	71.9	9.43	70.1	9.43	67.1	8.72	63.9	8.34
		365.0	80.4	10.52	75.6	9.81	71.9	9.43	70.1	9.10	67.1	8.72	63.9	8.01
		456.3	80.4	10.52	75.6	9.81	71.9	9.10	70.1	9.10	67.1	8.72	63.9	8.01
		547.5	80.4	10.52	75.6	9.81	71.9	8.93	70.1	9.10	67.1	8.72	63.9	8.01
	30	146.0	80.4	9.90	75.6	9.19	71.9	8.81	70.1	8.43	67.1	8.10	63.9	7.72
		182.5	80.4	9.81	75.6	9.10	71.9	8.72	70.1	8.34	67.1	8.01	63.9	7.63
		365.0	80.4	9.43	75.6	8.72	71.9	8.34	70.1	8.01	67.1	7.63	63.9	7.25
		456.3	80.4	9.43	75.6	8.72	71.9	8.34	70.1	8.01	67.1	7.63	63.9	7.25
		547.5	80.4	9.43	75.6	8.72	71.9	8.34	70.1	8.01	67.1	7.63	63.9	7.25
	35	146.0	80.4	8.72	75.6	8.43	71.9	7.63	70.1	7.72	67.1	7.34	63.9	7.01
		182.5	80.4	8.72	75.6	8.34	71.9	7.63	70.1	7.63	67.1	7.25	63.9	6.92
		365.0	80.4	8.72	75.6	8.01	71.9	7.63	70.1	7.25	67.1	6.92	63.9	6.54
		456.3	80.4	8.72	75.6	8.01	71.9	7.25	70.1	7.25	67.1	6.92	63.9	6.54
		547.5	80.4	8.72	75.6	8.01	71.9	7.06	70.1	7.25	67.1	6.92	63.9	6.54
	40	146.0	80.4	8.01	75.6	7.72	71.9	6.92	70.1	7.01	67.1	6.63	63.9	6.16
		182.5	80.4	8.01	75.6	7.63	71.9	6.92	70.1	6.92	67.1	6.54	63.9	6.16
		365.0	80.4	8.01	75.6	7.25	71.9	6.92	70.1	6.54	67.1	6.16	63.9	6.16
		456.3	80.4	8.01	75.6	7.25	71.9	6.92	70.1	6.54	67.1	6.16	63.9	6.16
		547.5	80.4	8.01	75.6	7.25	71.9	6.92	70.1	6.54	67.1	6.16	63.9	6.16
	45	146.0	80.4	7.25	75.6	7.01	71.9	6.16	70.1	6.25	67.1	5.92	63.9	5.36
		182.5	80.4	7.25	75.6	6.92	71.9	6.16	70.1	6.16	67.1	5.83	63.9	5.45
		365.0	80.4	7.25	75.6	6.54	71.9	6.16	70.1	5.83	67.1	5.45	63.9	5.83
		456.3	80.4	7.25	75.6	6.54	71.9	6.54	70.1	5.83	67.1	5.45	63.9	5.83
		547.5	80.4	7.25	75.6	6.54	71.9	6.73	70.1	5.83	67.1	5.45	63.9	5.83
50	-5	146.0	26.8	8.50	25.2	8.05	23.8	7.62	23.5	7.21	23.3	6.76	22.9	6.41
		182.5	27.7	8.68	26.1	8.23	24.6	7.78	24.3	7.37	24.2	6.92	23.7	6.54
		365.0	31.3	9.40	29.4	8.95	27.8	8.42	27.5	8.01	27.4	7.52	26.8	7.07
		456.3	34.6	10.15	32.5	9.62	30.7	9.10	30.4	8.64	30.2	8.08	29.7	7.63
		547.5	36.3	10.53	34.1	9.96	32.2	9.44	31.9	8.97	31.6	8.37	31.2	7.91
	0	146.0	47.8	12.45	44.3	11.81	41.2	11.13	40.3	10.56	39.7	9.93	38.3	9.37
		182.5	48.1	12.48	44.5	11.84	41.4	11.16	40.5	10.60	40.0	9.96	38.5	9.40
		365.0	49.2	12.59	45.5	11.95	42.4	11.31	41.5	10.75	41.0	10.07	39.4	9.51
		456.3	50.0	12.59	46.2	11.95	43.0	11.31	42.2	10.75	41.5	10.07	40.1	9.51
		547.5	50.4	12.59	46.5	11.95	43.3	11.31	42.5	10.75	41.8	10.07	40.4	9.51
	5	146.0	66.1	13.54	62.7	12.83	59.8	12.11	58.3	11.52	55.8	10.81	53.2	10.17
		182.5	66.3	13.61	62.8	12.89	59.8	12.18	58.3	11.58	55.8	10.86	53.2	10.22
		365.0	66.8	13.87	63.2	13.16	59.9	12.44	58.3	11.80	55.8	11.05	53.2	10.45
		456.3	66.8	13.98	63.1	13.27	59.9	12.52	58.3	11.88	55.8	11.16	53.2	10.52
		547.5	66.8	14.04	63.1	13.32	59.9	12.55	58.3	11.92	55.8	11.22	53.2	10.56

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(38HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	146.0	66.5	12.46	62.8	11.74	59.8	11.03	58.3	10.54	55.8	9.74	53.2	9.30
		182.5	66.6	12.44	62.9	11.73	59.8	11.01	58.3	10.52	55.8	9.77	53.2	9.28
		365.0	66.8	12.37	63.2	11.69	59.9	10.94	58.3	10.45	55.8	9.89	53.2	9.21
		456.3	66.8	12.44	63.1	11.73	59.9	10.98	58.3	10.49	55.8	9.73	53.2	9.25
		547.5	66.8	12.48	63.1	11.75	59.9	10.99	58.3	10.51	55.8	9.66	53.2	9.27
	15	146.0	66.8	11.37	63.1	10.61	59.9	9.90	58.3	9.52	55.8	8.72	53.2	8.43
		182.5	66.8	11.28	63.1	10.52	59.9	9.81	58.3	9.43	55.8	8.72	53.2	8.34
		365.0	66.8	10.90	63.1	10.19	59.9	9.43	58.3	9.10	55.8	8.72	53.2	8.01
		456.3	66.8	10.90	63.1	10.19	59.9	9.43	58.3	9.10	55.8	8.34	53.2	8.01
		547.5	66.8	10.90	63.1	10.19	59.9	9.43	58.3	9.10	55.8	8.15	53.2	8.01
	20	146.0	66.8	9.90	63.1	9.19	59.9	8.81	58.3	8.43	55.8	8.10	53.2	7.25
		182.5	66.8	9.81	63.1	9.10	59.9	8.72	58.3	8.34	55.8	8.01	53.2	7.25
		365.0	66.8	9.43	63.1	8.72	59.9	8.34	58.3	8.01	55.8	7.63	53.2	7.25
		456.3	66.8	9.43	63.1	8.72	59.9	8.34	58.3	8.01	55.8	7.63	53.2	7.25
		547.5	66.8	9.43	63.1	8.72	59.9	8.34	58.3	8.01	55.8	7.63	53.2	7.25
	25	146.0	66.8	8.81	63.1	8.01	59.9	7.72	58.3	7.25	55.8	6.92	53.2	6.54
		182.5	66.8	8.72	63.1	8.01	59.9	7.63	58.3	7.25	55.8	6.92	53.2	6.54
		365.0	66.8	8.34	63.1	8.01	59.9	7.25	58.3	7.25	55.8	6.92	53.2	6.54
		456.3	66.8	8.34	63.1	8.01	59.9	7.25	58.3	7.25	55.8	6.92	53.2	6.54
		547.5	66.8	8.34	63.1	8.01	59.9	7.25	58.3	7.25	55.8	6.92	53.2	6.54
	30	146.0	66.8	8.10	63.1	7.34	59.9	7.01	58.3	6.54	55.8	6.63	53.2	6.25
		182.5	66.8	8.01	63.1	7.25	59.9	6.92	58.3	6.54	55.8	6.54	53.2	6.16
		365.0	66.8	7.63	63.1	6.92	59.9	6.54	58.3	6.54	55.8	6.16	53.2	5.83
		456.3	66.8	7.63	63.1	6.92	59.9	6.54	58.3	6.54	55.8	6.16	53.2	5.83
		547.5	66.8	7.63	63.1	6.92	59.9	6.54	58.3	6.54	55.8	6.16	53.2	5.83
	35	146.0	66.8	7.34	63.1	6.54	59.9	6.16	58.3	6.25	55.8	5.83	53.2	5.45
		182.5	66.8	7.25	63.1	6.54	59.9	6.16	58.3	6.16	55.8	5.83	53.2	5.45
		365.0	66.8	6.92	63.1	6.54	59.9	6.16	58.3	5.83	55.8	5.83	53.2	5.45
		456.3	66.8	6.92	63.1	6.54	59.9	6.16	58.3	5.83	55.8	5.83	53.2	5.45
		547.5	66.8	6.92	63.1	6.54	59.9	6.16	58.3	5.83	55.8	5.83	53.2	5.45
	40	146.0	66.8	6.63	63.1	6.25	59.9	5.92	58.3	5.45	55.8	5.54	53.2	5.07
		182.5	66.8	6.54	63.1	6.16	59.9	5.83	58.3	5.45	55.8	5.45	53.2	5.07
		365.0	66.8	6.16	63.1	5.83	59.9	5.45	58.3	5.45	55.8	5.07	53.2	5.07
		456.3	66.8	6.16	63.1	5.83	59.9	5.45	58.3	5.45	55.8	5.07	53.2	5.07
		547.5	66.8	6.16	63.1	5.83	59.9	5.45	58.3	5.45	55.8	5.07	53.2	5.07
	45	146.0	66.8	5.92	63.1	6.02	59.9	5.63	58.3	4.65	55.8	5.25	53.2	4.74
		182.5	66.8	5.83	63.1	5.83	59.9	5.45	58.3	4.74	55.8	5.07	53.2	4.74
		365.0	66.8	5.45	63.1	5.07	59.9	4.74	58.3	5.07	55.8	4.36	53.2	4.74
		456.3	66.8	5.45	63.1	5.07	59.9	4.74	58.3	5.07	55.8	4.36	53.2	4.74
		547.5	66.8	5.45	63.1	5.07	59.9	4.74	58.3	5.07	55.8	4.36	53.2	4.74

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(40HP)

ARWN400LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	153.6	59.6	24.44	59.2	23.01	58.8	21.42	58.0	20.79	58.7	20.25	57.1	18.15
		192.0	61.7	24.87	61.2	23.46	60.8	21.89	60.0	21.25	60.7	20.68	59.1	18.55
		384.0	69.7	26.56	69.2	25.23	68.8	23.74	67.9	23.06	68.7	22.41	66.9	20.12
		480.0	77.1	28.25	76.4	26.96	76.0	25.59	75.0	24.91	76.0	24.19	74.0	21.69
		576.0	80.8	29.10	80.1	27.83	79.6	26.53	78.6	25.84	79.6	25.08	77.5	22.48
	0	153.6	106.5	33.43	104.1	32.43	101.8	31.38	99.6	30.49	100.0	29.66	95.4	26.56
		192.0	107.1	33.52	104.7	32.52	102.4	31.47	100.2	30.58	100.6	29.74	96.0	26.64
		384.0	109.7	33.88	107.0	32.84	104.8	31.83	102.6	30.95	102.9	30.06	98.3	26.96
		480.0	111.3	33.88	108.7	32.84	106.4	31.83	104.1	30.95	104.4	30.06	99.7	26.96
		576.0	112.2	33.88	109.5	32.84	107.3	31.83	104.8	30.95	105.2	30.06	100.5	26.96
	5	153.6	153.4	35.93	151.1	35.05	147.9	34.15	144.2	33.19	140.3	32.27	132.6	28.90
		192.0	153.9	36.10	151.3	35.21	147.9	34.33	144.2	33.36	140.3	32.43	132.6	29.05
		384.0	156.0	36.74	152.4	35.86	148.0	35.01	144.2	34.04	140.3	33.08	132.6	29.66
		480.0	156.9	36.98	152.8	36.10	148.0	35.25	144.2	34.29	140.3	33.32	132.6	29.86
		576.0	157.4	37.10	153.1	36.22	148.0	35.37	144.2	34.41	140.3	33.44	132.6	29.96
	10	153.6	153.6	32.70	151.1	31.60	147.4	31.01	143.6	30.31	139.8	29.28	132.0	26.42
		192.0	154.5	32.64	151.8	31.63	148.0	31.07	144.2	30.30	140.3	29.26	132.6	26.40
		384.0	158.1	32.39	154.6	31.75	150.4	31.31	146.5	30.26	142.4	29.18	134.7	26.32
		480.0	158.9	32.84	155.7	32.19	151.3	31.43	147.2	30.38	143.3	29.66	135.5	27.57
		576.0	159.3	33.06	156.2	32.42	151.8	31.49	147.6	30.44	143.8	29.90	135.9	28.19
	15	153.6	153.8	29.47	151.1	28.21	146.9	27.91	143.0	27.45	139.2	26.28	131.5	23.95
		192.0	155.1	29.18	152.3	28.09	148.0	27.85	144.2	27.24	140.3	26.08	132.6	23.74
		384.0	160.1	28.01	156.8	27.61	152.7	27.61	148.9	26.44	144.5	25.27	136.8	22.94
		480.0	160.9	28.69	158.3	28.25	154.6	27.61	150.4	26.44	146.5	26.00	138.4	25.27
		576.0	161.3	29.04	159.1	28.57	155.5	27.61	151.1	26.44	147.5	26.36	139.3	26.45
	20	153.6	159.7	27.03	156.7	25.77	152.6	25.21	148.4	24.41	144.1	23.86	135.5	23.13
		192.0	160.9	26.84	158.0	25.75	153.8	25.19	149.6	24.51	145.3	24.02	136.8	22.94
		384.0	166.0	26.08	163.0	25.67	158.5	25.11	154.2	24.91	150.4	24.67	141.8	22.17
		480.0	166.7	26.08	164.2	25.67	160.3	25.27	155.8	24.91	151.6	24.67	143.0	23.58
		576.0	167.0	26.08	164.8	25.67	161.3	25.35	156.5	24.91	152.1	24.67	143.6	24.29
	25	153.6	168.5	25.78	164.2	25.03	160.3	24.61	157.3	24.20	153.8	23.84	145.0	22.27
		192.0	168.5	25.67	164.2	24.99	160.3	24.51	157.3	24.10	153.8	23.74	145.0	22.17
		384.0	168.5	25.27	164.2	24.83	160.3	24.10	157.3	23.74	153.8	23.34	145.0	21.77
		480.0	168.5	24.91	164.2	24.19	160.3	23.74	157.3	23.34	153.8	22.94	145.0	21.41
		576.0	168.5	24.73	164.2	23.86	160.3	23.56	157.3	23.14	153.8	22.73	145.0	21.23
	30	153.6	168.5	25.11	164.2	23.86	160.3	23.64	157.3	23.03	153.8	22.78	145.0	21.20
		192.0	168.5	24.91	164.2	23.82	160.3	23.50	157.3	22.94	153.8	22.58	145.0	21.01
		384.0	168.5	24.10	164.2	23.66	160.3	22.94	157.3	22.58	153.8	21.77	145.0	20.24
		480.0	168.5	23.74	164.2	23.02	160.3	22.58	157.3	22.17	153.8	21.77	145.0	20.24
		576.0	168.5	23.56	164.2	22.69	160.3	22.39	157.3	21.97	153.8	21.77	145.0	20.24
	35	153.6	168.5	23.95	164.2	23.15	160.3	22.68	157.3	21.86	153.8	21.11	145.0	19.63
		192.0	168.5	23.74	164.2	23.02	160.3	22.58	157.3	21.77	153.8	21.01	145.0	19.44
		384.0	168.5	22.94	164.2	22.49	160.3	22.17	157.3	21.41	153.8	20.60	145.0	18.67
		480.0	168.5	22.94	164.2	22.25	160.3	21.77	157.3	21.01	153.8	20.24	145.0	18.67
		576.0	168.5	22.94	164.2	22.13	160.3	21.57	157.3	20.80	153.8	20.06	145.0	18.67
	40	153.6	168.5	23.13	164.2	22.40	160.3	21.96	157.3	21.20	153.8	20.44	145.0	18.46
		192.0	168.5	22.94	164.2	22.25	160.3	21.77	157.3	21.01	153.8	20.24	145.0	18.27
		384.0	168.5	22.17	164.2	21.69	160.3	21.01	157.3	20.24	153.8	19.44	145.0	17.51
		480.0	168.5	21.77	164.2	21.33	160.3	21.01	157.3	20.24	153.8	19.44	145.0	17.51
		576.0	168.5	21.57	164.2	21.15	160.3	21.01	157.3	20.24	153.8	19.44	145.0	17.51
	45	153.6	168.5	22.37	164.2	21.63	160.3	21.30	157.3	20.54	153.8	19.73	145.0	17.30
		192.0	168.5	22.17	164.2	21.49	160.3	21.01	157.3	20.24	153.8	19.44	145.0	17.10
		384.0	168.5	21.41	164.2	20.93	160.3	19.84	157.3	19.07	153.8	18.27	145.0	16.34
		480.0	168.5	20.60	164.2	20.40	160.3	20.24	157.3	19.44	153.8	18.67	145.0	16.34
		576.0	168.5	20.20	164.2	20.14	160.3	20.44	157.3	19.62	153.8	18.87	145.0	16.34
120	-5	153.6	56.7	24.44	56.2	23.01	55.9	21.42	55.2	20.52	55.6	19.93	54.2	17.83
		192.0	58.6	24.87	58.1	23.46	57.8	21.89	57.1	20.97	57.5	20.36	56.0	18.23
		384.0	66.3	26.56	65.8	25.23	65.4	23.74	64.6	22.74	65.2	22.09	63.4	19.80
		480.0	73.3	28.25	72.7	26.96	72.2	25.59	71.4	24.55	72.0	23.82	70.0	21.33
		576.0	76.7	29.10	76.2	27.83	75.6	26.53	74.8	25.46	75.4	24.69	73.3	22.10
	0	153.6	101.3	33.43	98.8	32.43	96.7	31.38	94.7	30.05	94.7	29.21	90.4	26.12
		192.0	101.9	33.52	99.4	32.52	97.3	31.47	95.3	30.14	95.3	29.30	91.0	26.20
		384.0	104.2	33.88	101.7	32.84	99.6	31.83	97.5	30.50	97.5	29.62	93.2	26.52
		480.0	105.8	33.88	103.4	32.84	101.2	31.83	99.0	30.50	98.9	29.62	94.6	26.52
		576.0	106.7	33.88	104.2	32.84	101.9	31.83	99.8	30.50	99.6	29.62	95.3	26.52

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	153.6	146.0	35.93	143.8	35.05	140.7	34.15	137.3	32.70	132.9	31.79	125.6	28.47
		192.0	146.5	36.10	144.1	35.21	140.7	34.33	137.3	32.88	132.9	31.95	125.6	28.61
		384.0	148.6	36.74	145.1	35.86	140.7	35.01	137.3	33.56	132.9	32.60	125.6	29.18
		480.0	149.4	36.98	144.3	36.10	140.7	35.25	137.3	33.80	132.9	32.84	125.6	29.38
		576.0	149.9	37.10	143.9	36.22	140.7	35.37	137.3	33.92	132.9	32.96	125.6	29.48
	10	153.6	146.5	32.28	143.8	31.39	140.3	30.75	136.9	29.82	132.6	28.83	125.3	25.93
		192.0	147.2	32.39	144.4	31.51	140.7	30.87	137.3	29.86	132.9	28.81	125.6	25.96
		384.0	149.9	32.84	146.7	31.99	142.2	31.31	138.8	30.02	134.3	28.73	126.9	26.08
		480.0	150.7	32.72	146.3	31.99	142.8	31.43	139.4	30.14	134.9	28.85	127.5	26.96
		576.0	151.1	32.66	146.0	31.99	143.1	31.49	139.7	30.20	135.2	28.91	127.8	27.41
	15	153.6	146.9	28.63	144.0	27.79	139.9	27.35	136.5	26.94	132.2	25.87	125.0	23.44
		192.0	147.8	28.69	144.9	27.85	140.7	27.40	137.3	26.84	132.9	25.67	125.6	23.34
		384.0	151.2	28.93	148.4	28.09	143.8	27.61	140.3	26.44	135.6	24.91	128.3	22.94
		480.0	152.0	28.49	148.3	27.85	145.0	27.61	141.5	26.44	136.8	24.91	129.5	24.51
		576.0	152.4	28.27	148.2	27.73	145.6	27.61	142.1	26.44	137.4	24.91	130.1	25.30
	20	153.6	151.0	25.75	148.2	24.66	143.7	24.00	139.8	23.65	135.2	23.36	127.9	22.17
		192.0	152.0	25.75	149.1	24.75	144.5	24.10	140.7	23.74	136.1	23.34	128.7	22.09
		384.0	155.9	25.75	152.6	25.11	147.7	24.51	144.2	24.10	139.5	23.26	131.7	21.77
		480.0	156.6	25.51	152.5	24.91	148.9	24.51	145.0	24.10	140.3	23.34	132.6	22.58
		576.0	156.9	25.39	152.4	24.81	149.4	24.51	145.4	24.10	140.7	23.38	133.0	22.98
	25	153.6	158.4	24.36	153.8	23.22	148.9	22.78	145.7	22.27	141.8	21.86	134.1	20.34
		192.0	158.5	24.27	153.8	23.18	148.9	22.74	145.7	22.17	141.8	21.77	134.1	20.24
		384.0	158.8	23.90	153.8	23.02	148.9	22.58	145.7	21.77	141.8	21.41	134.1	19.84
		480.0	159.3	23.02	153.8	22.41	148.9	22.17	145.7	21.77	141.8	21.01	134.1	19.84
		576.0	159.5	22.57	153.8	22.11	148.9	21.97	145.7	21.77	141.8	20.80	134.1	19.84
	30	153.6	159.3	23.29	153.8	22.14	148.9	21.51	145.7	20.70	141.8	20.44	134.1	18.77
		192.0	159.3	23.10	153.8	22.01	148.9	21.41	145.7	20.60	141.8	20.24	134.1	18.67
		384.0	159.3	22.33	153.8	21.49	148.9	21.01	145.7	20.24	141.8	19.44	134.1	18.27
		480.0	159.3	21.61	153.8	21.01	148.9	20.60	145.7	20.24	141.8	19.44	134.1	17.91
		576.0	159.3	21.24	153.8	20.76	148.9	20.40	145.7	20.24	141.8	19.44	134.1	17.72
	35	153.6	159.3	22.25	153.8	21.04	148.9	20.44	145.7	19.63	141.8	18.87	134.1	17.19
		192.0	159.3	21.93	153.8	20.85	148.9	20.24	145.7	19.44	141.8	18.67	134.1	17.10
		384.0	159.3	20.68	153.8	20.08	148.9	19.44	145.7	18.67	141.8	17.91	134.1	16.74
		480.0	159.3	20.44	153.8	19.92	148.9	19.44	145.7	18.67	141.8	17.91	134.1	16.34
		576.0	159.3	20.32	153.8	19.84	148.9	19.44	145.7	18.67	141.8	17.91	134.1	16.14
	40	153.6	159.3	21.58	153.8	20.07	148.9	19.28	145.7	18.46	141.8	17.70	134.1	16.03
		192.0	159.3	21.17	153.8	19.84	148.9	19.07	145.7	18.27	141.8	17.51	134.1	15.94
		384.0	159.3	19.52	153.8	18.91	148.9	18.27	145.7	17.51	141.8	16.74	134.1	15.57
		480.0	159.3	19.28	153.8	18.67	148.9	18.27	145.7	17.51	141.8	16.74	134.1	15.17
		576.0	159.3	19.15	153.8	18.55	148.9	18.27	145.7	17.51	141.8	16.74	134.1	14.97
	45	153.6	159.3	20.92	153.8	19.11	148.9	18.11	145.7	17.30	141.8	16.53	134.1	14.86
		192.0	159.3	20.40	153.8	18.83	148.9	17.91	145.7	17.10	141.8	16.34	134.1	14.77
		384.0	159.3	18.35	153.8	17.75	148.9	17.10	145.7	16.34	141.8	15.57	134.1	14.41
		480.0	159.3	18.11	153.8	17.42	148.9	17.10	145.7	16.34	141.8	15.57	134.1	14.00
		576.0	159.3	17.99	153.8	17.26	148.9	17.10	145.7	16.34	141.8	15.57	134.1	13.80
110	-5	153.6	53.6	24.76	53.3	23.01	52.9	21.42	52.3	20.52	52.5	19.93	51.3	17.83
		192.0	55.4	25.19	55.1	23.46	54.7	21.89	54.2	20.97	54.3	20.36	53.1	18.23
		384.0	62.7	26.88	62.4	25.23	62.0	23.74	61.3	22.74	61.3	22.09	60.1	19.80
		480.0	69.3	28.61	68.8	26.96	68.5	25.59	67.7	24.55	67.7	23.82	66.3	21.33
		576.0	72.6	29.48	72.1	27.83	71.7	26.53	71.0	25.46	71.0	24.69	69.5	22.10
	0	153.6	95.8	33.88	93.7	32.43	91.7	31.38	90.0	30.05	89.1	29.21	85.8	26.12
		192.0	96.3	33.96	94.2	32.52	92.2	31.47	90.5	30.14	89.7	29.30	86.3	26.20
		384.0	98.6	34.29	96.5	32.84	94.4	31.83	92.6	30.50	91.8	29.62	88.3	26.52
		480.0	100.1	34.29	98.0	32.84	95.9	31.83	94.0	30.50	93.2	29.62	89.5	26.52
		576.0	100.9	34.29	98.8	32.84	96.6	31.83	94.7	30.50	93.9	29.62	90.2	26.52
	5	153.6	139.7	36.42	136.4	35.05	133.2	34.15	130.2	32.70	125.2	31.79	119.1	28.47
		192.0	140.2	36.58	136.7	35.21	133.3	34.33	130.2	32.88	125.2	31.95	119.1	28.61
		384.0	142.1	37.22	137.7	35.86	133.4	35.01	130.2	33.56	125.2	32.60	119.1	29.18
		480.0	142.9	37.46	138.1	36.10	133.4	35.25	130.2	33.80	125.2	32.84	119.1	29.38
		576.0	143.3	37.59	138.2	36.22	133.4	35.37	130.2	33.92	125.2	32.96	119.1	29.48
	10	153.6	140.2	32.66	136.8	31.54	133.1	30.85	130.0	29.82	125.0	28.83	118.9	25.93
		192.0	140.8	32.72	137.1	31.63	133.3	30.95	130.2	29.86	125.2	28.81	119.1	25.96
		384.0	142.9	32.96	138.5	31.99	134.1	31.31	131.0	30.02	126.0	28.73	119.7	26.08
		480.0	143.7	32.96	139.1	31.99	134.6	31.23	131.3	29.94	126.2	28.85	120.0	26.36
		576.0	144.1	32.96	139.4	31.99	134.8	31.19	131.4	29.90	126.4	28.91	120.2	26.50

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	153.6	140.6	28.89	137.0	28.09	133.0	27.61	129.8	26.94	124.8	25.87	118.8	23.44
		192.0	141.2	28.85	137.5	28.09	133.4	27.61	130.2	26.84	125.2	25.67	119.1	23.34
		384.0	143.6	28.69	139.5	28.09	134.9	27.61	131.7	26.44	126.8	24.91	120.3	22.94
		480.0	144.4	28.49	140.2	27.85	135.6	27.24	132.2	26.08	127.2	24.91	121.0	23.34
		576.0	144.8	28.39	140.5	27.73	136.0	27.06	132.4	25.89	127.3	24.91	121.3	23.54
	20	153.6	143.3	24.94	139.4	24.35	134.9	23.74	131.2	23.34	126.4	22.68	119.8	21.21
		192.0	144.1	24.99	139.8	24.35	135.3	23.74	131.7	23.34	126.8	22.58	120.3	21.17
		384.0	147.1	25.19	141.7	24.35	136.8	23.74	133.7	23.34	128.3	22.17	122.1	21.01
		480.0	147.9	25.19	142.9	24.35	137.6	23.74	134.1	22.94	129.0	22.17	122.5	21.01
		576.0	148.3	25.19	143.5	24.35	138.0	23.74	134.3	22.73	129.4	22.17	122.7	21.01
	25	153.6	147.7	22.70	143.3	21.86	137.6	21.51	134.6	20.70	129.9	19.94	123.0	18.27
		192.0	148.0	22.66	143.3	21.77	137.6	21.41	134.6	20.60	129.9	19.84	123.0	18.27
		384.0	149.2	22.49	143.3	21.41	137.6	21.01	134.6	20.24	129.9	19.44	123.0	18.27
		480.0	149.9	22.49	143.3	21.49	137.6	20.60	134.6	20.24	129.9	19.07	123.0	17.91
		576.0	150.3	22.49	143.3	21.53	137.6	20.40	134.6	20.24	129.9	18.89	123.0	17.72
	30	153.6	149.9	20.70	143.3	19.94	137.6	19.18	134.6	18.77	129.9	17.61	123.0	16.44
		192.0	149.9	20.60	143.3	19.84	137.6	19.07	134.6	18.67	129.9	17.51	123.0	16.34
		384.0	149.9	20.24	143.3	19.44	137.6	18.67	134.6	18.27	129.9	17.10	123.0	15.94
		480.0	149.9	20.08	143.3	19.07	137.6	18.27	134.6	17.91	129.9	17.10	123.0	15.94
		576.0	149.9	20.00	143.3	18.89	137.6	18.07	134.6	17.72	129.9	17.10	123.0	15.94
	35	153.6	149.9	19.63	143.3	18.36	137.6	17.61	134.6	16.84	129.9	16.03	123.0	14.86
		192.0	149.9	19.44	143.3	18.27	137.6	17.51	134.6	16.74	129.9	15.94	123.0	14.77
		384.0	149.9	18.67	143.3	17.91	137.6	17.10	134.6	16.34	129.9	15.57	123.0	14.41
		480.0	149.9	18.19	143.3	17.51	137.6	16.74	134.6	16.34	129.9	15.57	123.0	14.41
		576.0	149.9	17.95	143.3	17.30	137.6	16.56	134.6	16.34	129.9	15.57	123.0	14.41
	40	153.6	149.9	18.46	143.3	17.70	137.6	16.53	134.6	15.68	129.9	14.86	123.0	13.69
		192.0	149.9	18.27	143.3	17.51	137.6	16.34	134.6	15.57	129.9	14.77	123.0	13.60
		384.0	149.9	17.51	143.3	16.74	137.6	15.57	134.6	15.17	129.9	14.41	123.0	13.24
		480.0	149.9	17.26	143.3	16.34	137.6	15.57	134.6	14.77	129.9	14.00	123.0	12.84
		576.0	149.9	17.14	143.3	16.14	137.6	15.57	134.6	14.57	129.9	13.80	123.0	12.63
	45	153.6	149.9	17.30	143.3	17.04	137.6	15.47	134.6	14.51	129.9	13.69	123.0	12.53
		192.0	149.9	17.10	143.3	16.74	137.6	15.17	134.6	14.41	129.9	13.60	123.0	12.43
		384.0	149.9	16.34	143.3	15.57	137.6	14.00	134.6	14.00	129.9	13.24	123.0	12.07
		480.0	149.9	16.34	143.3	15.17	137.6	14.41	134.6	13.24	129.9	12.43	123.0	11.27
		576.0	149.9	16.34	143.3	14.97	137.6	14.61	134.6	12.85	129.9	12.03	123.0	10.86
100	-5	153.6	50.6	24.76	50.3	23.34	50.1	21.42	49.7	20.52	49.2	19.60	48.2	17.83
		192.0	52.4	25.19	52.0	23.78	51.8	21.89	51.3	20.97	50.9	20.04	49.9	18.23
		384.0	59.3	26.88	59.0	25.55	58.6	23.74	58.0	22.74	57.5	21.77	56.6	19.80
		480.0	65.5	28.61	65.1	27.32	64.7	25.59	64.1	24.55	63.6	23.46	62.5	21.33
		576.0	68.7	29.48	68.1	28.22	67.8	26.53	67.2	25.46	66.7	24.31	65.4	22.10
	0	153.6	90.5	33.88	88.5	32.88	86.7	31.38	85.2	30.05	83.7	28.77	80.8	26.12
		192.0	91.1	33.96	89.1	32.96	87.2	31.47	85.7	30.14	84.2	28.85	81.2	26.20
		384.0	93.2	34.29	91.2	33.28	89.2	31.83	87.7	30.50	86.1	29.18	83.1	26.52
		480.0	94.6	34.29	92.6	33.28	90.6	31.83	89.0	30.50	87.4	29.18	84.4	26.52
		576.0	95.3	34.29	93.3	33.28	91.3	31.83	89.6	30.50	88.1	29.18	85.0	26.52
	5	153.6	133.6	36.42	129.2	35.53	125.9	34.15	123.3	32.70	117.4	31.31	112.1	28.47
		192.0	134.1	36.58	129.4	35.69	125.9	34.33	123.3	32.88	117.4	31.47	112.1	28.61
		384.0	136.0	37.22	130.3	36.34	126.0	35.01	123.3	33.56	117.4	32.11	112.1	29.18
		480.0	136.8	37.46	130.7	36.58	126.0	35.25	123.3	33.80	117.4	32.31	112.1	29.38
		576.0	137.2	37.59	130.9	36.70	126.0	35.37	123.3	33.92	117.4	32.42	112.1	29.48
	10	153.6	134.3	32.56	129.6	31.85	126.0	30.85	123.3	29.82	117.4	28.34	112.1	25.93
		192.0	134.7	32.72	129.8	31.95	126.0	30.95	123.3	29.86	117.4	28.37	112.1	25.96
		384.0	136.0	33.32	130.5	32.35	126.0	31.31	123.3	30.02	117.4	28.49	112.1	26.08
		480.0	136.9	33.20	131.0	32.35	126.0	31.23	123.3	29.94	117.4	28.41	112.1	25.96
		576.0	137.4	33.14	131.3	32.35	126.0	31.19	123.3	29.90	117.4	28.37	112.1	25.89
	15	153.6	135.1	28.71	130.1	28.23	126.0	27.61	123.3	26.94	117.4	25.36	112.1	23.44
		192.0	135.3	28.85	130.2	28.25	126.0	27.61	123.3	26.84	117.4	25.27	112.1	23.34
		384.0	136.0	29.42	130.6	28.33	126.0	27.61	123.3	26.44	117.4	24.91	112.1	22.94
		480.0	137.1	28.93	131.3	28.09	126.0	27.24	123.3	26.08	117.4	24.51	112.1	22.58
		576.0	137.7	28.69	131.6	27.97	126.0	27.06	123.3	25.89	117.4	24.30	112.1	22.39
	20	153.6	135.8	24.56	130.8	23.92	126.0	23.34	123.3	23.03	117.4	21.51	112.1	20.44
		192.0	136.3	24.67	130.9	23.94	126.0	23.34	123.3	22.94	117.4	21.41	112.1	20.24
		384.0	138.3	25.11	131.3	24.02	126.0	23.34	123.3	22.58	117.4	21.01	112.1	19.44
		480.0	139.1	24.67	132.4	23.82	126.0	22.94	123.3	22.17	117.4	20.60	112.1	19.07
		576.0	139.5	24.44	133.0	23.72	126.0	22.73	123.3	21.97	117.4	20.40	112.1	18.89

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	153.6	137.5	21.47	132.9	20.80	126.0	19.94	123.3	19.18	117.4	18.01	112.1	16.34
		192.0	138.0	21.49	132.9	20.68	126.0	19.84	123.3	19.07	117.4	17.91	112.1	16.34
		384.0	139.9	21.57	132.9	20.24	126.0	19.44	123.3	18.67	117.4	17.51	112.1	16.34
		480.0	140.7	21.09	132.9	20.08	126.0	19.07	123.3	18.27	117.4	17.51	112.1	15.94
		576.0	141.0	20.84	132.9	20.00	126.0	18.89	123.3	18.07	117.4	17.51	112.1	15.73
	30	153.6	140.7	19.53	132.9	18.01	126.0	16.78	123.3	16.44	117.4	15.17	112.1	14.51
		192.0	140.7	19.44	132.9	17.91	126.0	16.74	123.3	16.34	117.4	15.17	112.1	14.41
		384.0	140.7	19.07	132.9	17.51	126.0	16.58	123.3	15.94	117.4	15.17	112.1	14.00
		480.0	140.7	18.67	132.9	17.51	126.0	16.34	123.3	15.94	117.4	14.77	112.1	14.00
		576.0	140.7	18.47	132.9	17.51	126.0	16.22	123.3	15.94	117.4	14.57	112.1	14.00
	35	153.6	140.7	18.11	132.9	16.53	126.0	14.81	123.3	14.51	117.4	13.69	112.1	12.53
		192.0	140.7	17.91	132.9	16.34	126.0	14.77	123.3	14.41	117.4	13.60	112.1	12.43
		384.0	140.7	17.10	132.9	15.57	126.0	14.61	123.3	14.00	117.4	13.24	112.1	12.07
		480.0	140.7	17.10	132.9	15.57	126.0	14.41	123.3	14.00	117.4	13.24	112.1	12.07
		576.0	140.7	17.10	132.9	15.57	126.0	14.31	123.3	14.00	117.4	13.24	112.1	12.07
	40	153.6	140.7	16.94	132.9	15.36	126.0	13.28	123.3	12.94	117.4	12.17	112.1	11.36
		192.0	140.7	16.74	132.9	15.17	126.0	13.24	123.3	12.84	117.4	12.07	112.1	11.27
		384.0	140.7	15.94	132.9	14.41	126.0	13.08	123.3	12.43	117.4	11.67	112.1	10.91
		480.0	140.7	15.57	132.9	14.41	126.0	12.84	123.3	12.43	117.4	11.67	112.1	10.91
		576.0	140.7	15.39	132.9	14.41	126.0	12.72	123.3	12.43	117.4	11.67	112.1	10.91
	45	153.6	140.7	15.78	132.9	14.20	126.0	11.71	123.3	11.36	117.4	10.60	112.1	10.19
		192.0	140.7	15.57	132.9	14.00	126.0	11.67	123.3	11.27	117.4	10.50	112.1	10.10
		384.0	140.7	14.77	132.9	13.24	126.0	11.51	123.3	10.91	117.4	10.10	112.1	9.74
		480.0	140.7	14.00	132.9	13.24	126.0	11.27	123.3	10.91	117.4	10.10	112.1	9.74
		576.0	140.7	13.62	132.9	13.24	126.0	11.15	123.3	10.91	117.4	10.10	112.1	9.74
90	-5	153.6	47.8	22.98	46.3	20.93	45.0	18.39	44.6	17.52	44.3	16.89	43.5	15.16
		192.0	49.5	23.38	47.9	21.33	46.5	18.79	46.2	17.91	45.8	17.26	45.0	15.49
		384.0	56.0	24.95	54.3	22.90	52.6	20.40	52.3	19.44	51.9	18.75	50.9	16.82
		480.0	61.9	26.52	59.9	24.51	58.1	22.01	57.7	20.97	57.3	20.20	56.3	18.15
		576.0	64.8	27.31	62.7	25.32	60.9	22.82	60.4	21.74	60.0	20.93	59.0	18.82
	0	153.6	85.5	31.31	81.6	29.38	77.8	26.97	76.7	25.72	75.4	24.76	72.6	22.23
		192.0	86.0	31.39	82.0	29.46	78.3	27.04	77.1	25.79	75.8	24.83	73.0	22.29
		384.0	88.0	31.71	83.9	29.78	80.2	27.32	78.9	26.08	77.6	25.11	74.8	22.54
		480.0	89.3	31.71	85.2	29.78	81.5	27.32	80.1	26.08	78.9	25.11	76.0	22.54
		576.0	90.0	31.71	85.9	29.78	82.1	27.32	80.6	26.08	79.5	25.11	76.5	22.54
	5	153.6	120.8	33.61	116.9	31.72	113.2	29.35	110.9	27.99	106.0	26.94	100.9	24.18
		192.0	121.0	33.76	116.9	31.87	113.2	29.50	110.9	28.13	106.0	27.08	100.9	24.31
		384.0	121.4	34.37	116.5	32.47	113.2	30.06	110.9	28.69	106.0	27.65	100.9	24.79
		480.0	122.1	34.57	116.9	32.68	113.2	30.30	110.9	28.89	106.0	27.85	100.9	24.99
		576.0	122.5	34.67	117.0	32.78	113.2	30.42	110.9	28.99	106.0	27.95	100.9	25.09
	10	153.6	121.5	29.68	117.4	28.22	113.2	26.57	110.9	25.48	106.0	24.45	100.9	22.03
		192.0	121.4	29.70	117.2	28.25	113.2	26.60	110.9	25.51	106.0	24.43	100.9	22.05
		384.0	121.2	29.78	116.6	28.37	113.2	26.72	110.9	25.63	106.0	24.35	100.9	22.13
		480.0	122.0	29.70	117.0	28.29	113.2	26.64	110.9	25.55	106.0	24.43	100.9	22.21
		576.0	122.4	29.66	117.2	28.25	113.2	26.60	110.9	25.51	106.0	24.47	100.9	22.25
	15	153.6	122.1	25.70	117.8	24.77	113.2	23.84	110.9	23.03	106.0	21.96	100.9	19.94
		192.0	121.9	25.59	117.6	24.67	113.2	23.74	110.9	22.94	106.0	21.77	100.9	19.84
		384.0	121.1	25.19	116.7	24.27	113.2	23.34	110.9	22.58	106.0	21.01	100.9	19.44
		480.0	121.9	24.83	117.1	23.90	113.2	22.94	110.9	22.17	106.0	21.01	100.9	19.44
		576.0	122.3	24.65	117.3	23.72	113.2	22.73	110.9	21.97	106.0	21.01	100.9	19.44
	20	153.6	122.8	21.69	118.3	21.07	113.2	20.34	110.9	19.53	106.0	18.87	100.9	17.70
		192.0	122.7	21.69	118.0	21.01	113.2	20.24	110.9	19.44	106.0	18.67	100.9	17.51
		384.0	122.2	21.69	117.1	20.76	113.2	19.84	110.9	19.07	106.0	17.91	100.9	16.74
		480.0	122.6	21.33	117.4	20.60	113.2	19.84	110.9	19.07	106.0	17.91	100.9	16.74
		576.0	122.8	21.15	117.6	20.52	113.2	19.84	110.9	19.07	106.0	17.91	100.9	16.74
	25	153.6	124.9	18.95	119.8	17.95	113.2	17.19	110.9	16.34	106.0	15.68	100.9	14.51
		192.0	125.2	18.91	119.8	17.91	113.2	17.10	110.9	16.34	106.0	15.57	100.9	14.41
		384.0	126.4	18.75	119.8	17.75	113.2	16.74	110.9	16.34	106.0	15.17	100.9	14.00
		480.0	126.8	18.27	119.8	17.34	113.2	16.74	110.9	15.94	106.0	15.17	100.9	14.00
		576.0	127.1	18.03	119.8	17.14	113.2	16.74	110.9	15.73	106.0	15.17	100.9	14.00
	30	153.6	126.8	17.19	119.8	16.03	113.2	14.86	110.9	14.51	106.0	13.69	100.9	12.43
		192.0	126.8	17.10	119.8	15.94	113.2	14.77	110.9	14.41	106.0	13.60	100.9	12.43
		384.0	126.8	16.74	119.8	15.57	113.2	14.41	110.9	14.00	106.0	13.24	100.9	12.43
		480.0	126.8	16.34	119.8	15.17	113.2	14.41	110.9	14.00	106.0	13.24	100.9	12.07
		576.0	126.8	16.14	119.8	14.97	113.2	14.41	110.9	14.00	106.0	13.24	100.9	11.89

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	153.6	126.8	15.68	119.8	14.51	113.2	13.34	110.9	12.94	106.0	12.17	100.9	11.36
		192.0	126.8	15.57	119.8	14.41	113.2	13.24	110.9	12.84	106.0	12.07	100.9	11.27
		384.0	126.8	15.17	119.8	14.00	113.2	12.84	110.9	12.43	106.0	11.67	100.9	10.91
		480.0	126.8	14.77	119.8	13.60	113.2	12.43	110.9	12.07	106.0	11.67	100.9	10.91
		576.0	126.8	14.57	119.8	13.40	113.2	12.23	110.9	11.89	106.0	11.67	100.9	10.91
	40	153.6	126.8	14.61	119.8	13.34	113.2	11.77	110.9	11.36	106.0	11.01	100.9	10.19
		192.0	126.8	14.41	119.8	13.24	113.2	11.67	110.9	11.27	106.0	10.91	100.9	10.10
		384.0	126.8	13.60	119.8	12.84	113.2	11.27	110.9	10.91	106.0	10.50	100.9	9.74
		480.0	126.8	13.60	119.8	12.84	113.2	11.27	110.9	10.91	106.0	10.50	100.9	9.74
		576.0	126.8	13.60	119.8	12.84	113.2	11.27	110.9	10.91	106.0	10.50	100.9	9.74
	45	153.6	126.8	13.53	119.8	12.17	113.2	10.19	110.9	9.84	106.0	9.84	100.9	9.03
		192.0	126.8	13.24	119.8	12.07	113.2	10.10	110.9	9.74	106.0	9.74	100.9	8.93
		384.0	126.8	12.07	119.8	11.67	113.2	9.74	110.9	9.34	106.0	9.34	100.9	8.57
		480.0	126.8	12.43	119.8	12.07	113.2	10.10	110.9	9.74	106.0	9.34	100.9	8.57
		576.0	126.8	12.62	119.8	12.28	113.2	10.28	110.9	9.94	106.0	9.34	100.9	8.57
80	-5	153.6	45.2	16.37	42.4	15.75	40.1	15.09	39.7	14.57	39.4	13.90	38.6	12.80
		192.0	46.8	16.74	43.8	16.10	41.5	15.41	41.0	14.89	40.8	14.21	40.0	13.08
		384.0	52.9	18.19	49.6	17.46	46.9	16.70	46.4	16.14	46.2	15.41	45.2	14.16
		480.0	58.5	19.60	54.7	18.83	51.8	18.03	51.2	17.42	51.0	16.62	49.9	15.29
		576.0	61.3	20.31	57.3	19.52	54.3	18.70	53.6	18.07	53.4	17.23	52.3	15.86
	0	153.6	80.7	24.03	74.5	23.07	69.3	22.11	68.0	21.35	67.1	20.34	64.5	18.74
		192.0	81.2	24.10	74.9	23.14	69.7	22.17	68.5	21.41	67.5	20.40	64.9	18.79
		384.0	83.2	24.39	76.7	23.42	71.4	22.41	70.1	21.65	69.2	20.64	66.5	18.99
		480.0	84.4	24.39	77.8	23.42	72.6	22.41	71.1	21.65	70.2	20.64	67.5	18.99
		576.0	85.0	24.39	78.4	23.42	73.1	22.41	71.7	21.65	70.7	20.64	68.0	18.99
	5	153.6	111.7	26.14	105.4	25.15	100.8	24.01	98.6	23.22	94.4	22.14	89.7	20.37
		192.0	111.9	26.28	105.6	25.27	100.8	24.14	98.6	23.34	94.4	22.25	89.7	20.48
		384.0	112.9	26.84	106.4	25.75	100.9	24.67	98.6	23.82	94.4	22.70	89.7	20.93
		480.0	112.9	27.00	106.3	25.96	100.9	24.83	98.6	23.98	94.4	22.86	89.7	21.05
		576.0	112.9	27.08	106.2	26.06	100.9	24.91	98.6	24.06	94.4	22.94	89.7	21.11
	10	153.6	112.3	24.05	105.8	22.97	100.8	21.80	98.6	21.20	94.4	20.07	89.7	18.58
		192.0	112.4	24.02	106.0	22.94	100.8	21.81	98.6	21.21	94.4	20.08	89.7	18.59
		384.0	112.9	23.90	106.4	22.82	100.9	21.85	98.6	21.25	94.4	20.12	89.7	18.63
		480.0	112.9	23.82	106.3	22.90	100.9	21.93	98.6	21.13	94.4	20.00	89.7	18.51
		576.0	112.9	23.78	106.2	22.94	100.9	21.97	98.6	21.07	94.4	19.94	89.7	18.45
	15	153.6	112.9	21.96	106.3	20.80	100.9	19.53	98.6	19.18	94.4	18.01	89.7	16.84
		192.0	112.9	21.77	106.3	20.60	100.9	19.44	98.6	19.07	94.4	17.91	89.7	16.74
		384.0	112.9	21.01	106.3	19.84	100.9	19.07	98.6	18.67	94.4	17.51	89.7	16.34
		480.0	112.9	20.60	106.3	19.84	100.9	19.07	98.6	18.27	94.4	17.10	89.7	15.94
		576.0	112.9	20.40	106.3	19.84	100.9	19.07	98.6	18.07	94.4	16.90	89.7	15.73
	20	153.6	112.9	18.36	106.3	17.61	100.9	16.74	98.6	16.44	94.4	15.68	89.7	14.51
		192.0	112.9	18.27	106.3	17.51	100.9	16.74	98.6	16.34	94.4	15.57	89.7	14.41
		384.0	112.9	17.91	106.3	17.10	100.9	16.74	98.6	15.94	94.4	15.17	89.7	14.00
		480.0	112.9	17.51	106.3	16.74	100.9	16.34	98.6	15.94	94.4	14.77	89.7	14.00
		576.0	112.9	17.30	106.3	16.56	100.9	16.14	98.6	15.94	94.4	14.57	89.7	14.00
	25	153.6	112.9	16.44	106.3	15.27	100.9	14.41	98.6	14.11	94.4	13.34	89.7	12.53
		192.0	112.9	16.34	106.3	15.17	100.9	14.41	98.6	14.00	94.4	13.24	89.7	12.43
		384.0	112.9	15.94	106.3	14.77	100.9	14.41	98.6	13.60	94.4	12.84	89.7	12.07
		480.0	112.9	15.57	106.3	14.77	100.9	14.00	98.6	13.60	94.4	12.84	89.7	12.07
		576.0	112.9	15.39	106.3	14.77	100.9	13.80	98.6	13.60	94.4	12.84	89.7	12.07
	30	153.6	112.9	14.51	106.3	13.69	100.9	12.94	98.6	12.53	94.4	11.77	89.7	11.01
		192.0	112.9	14.41	106.3	13.60	100.9	12.84	98.6	12.43	94.4	11.67	89.7	10.91
		384.0	112.9	14.00	106.3	13.24	100.9	12.43	98.6	12.07	94.4	11.27	89.7	10.50
		480.0	112.9	14.00	106.3	13.24	100.9	12.43	98.6	12.07	94.4	11.27	89.7	10.50
		576.0	112.9	14.00	106.3	13.24	100.9	12.43	98.6	12.07	94.4	11.27	89.7	10.50
	35	153.6	112.9	13.34	106.3	12.53	100.9	11.36	98.6	10.91	94.4	10.60	89.7	9.74
		192.0	112.9	13.24	106.3	12.43	100.9	11.27	98.6	10.91	94.4	10.50	89.7	9.74
		384.0	112.9	12.84	106.3	12.07	100.9	10.91	98.6	10.91	94.4	10.10	89.7	9.74
		480.0	112.9	12.84	106.3	11.67	100.9	10.91	98.6	10.50	94.4	10.10	89.7	9.34
		576.0	112.9	12.84	106.3	11.47	100.9	10.91	98.6	10.30	94.4	10.10	89.7	9.13
	40	153.6	112.9	12.63	106.3	11.36	100.9	10.10	98.6	10.19	94.4	9.34	89.7	9.03
		192.0	112.9	12.43	106.3	11.27	100.9	10.10	98.6	10.10	94.4	9.34	89.7	8.93
		384.0	112.9	11.67	106.3	10.91	100.9	10.10	98.6	9.74	94.4	9.34	89.7	8.57
		480.0	112.9	11.67	106.3	10.91	100.9	9.74	98.6	9.74	94.4	9.34	89.7	8.57
		576.0	112.9	11.67	106.3	10.91	100.9	9.56	98.6	9.74	94.4	9.34	89.7	8.57

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	153.6	112.9	11.96	106.3	10.19	100.9	8.83	98.6	9.53	94.4	8.07	89.7	8.36
		192.0	112.9	11.67	106.3	10.10	100.9	8.93	98.6	9.34	94.4	8.17	89.7	8.17
		384.0	112.9	10.50	106.3	9.74	100.9	9.34	98.6	8.57	94.4	8.57	89.7	7.40
		480.0	112.9	10.50	106.3	10.10	100.9	8.57	98.6	8.93	94.4	8.57	89.7	7.77
		576.0	112.9	10.50	106.3	10.28	100.9	8.19	98.6	9.12	94.4	8.57	89.7	7.95
70	-5	153.6	39.4	14.06	37.1	13.39	35.0	12.95	34.7	12.21	34.4	11.78	33.9	10.71
		192.0	40.8	14.37	38.3	13.68	36.2	13.24	35.9	12.47	35.6	12.03	35.0	10.95
		384.0	46.2	15.57	43.4	14.85	40.9	14.37	40.6	13.52	40.3	13.04	39.6	11.87
		480.0	51.1	16.82	47.9	16.02	45.2	15.49	44.9	14.57	44.5	14.08	43.7	12.80
		576.0	53.6	17.45	50.2	16.60	47.4	16.06	47.1	15.09	46.7	14.61	45.8	13.26
	0	153.6	70.6	20.58	65.3	19.63	60.6	18.97	59.5	17.86	58.6	17.25	56.5	15.69
		192.0	71.0	20.64	65.6	19.68	60.9	19.03	59.9	17.91	59.0	17.30	56.8	15.73
		384.0	72.7	20.89	67.2	19.88	62.4	19.28	61.3	18.11	60.4	17.51	58.1	15.90
		480.0	73.7	20.89	68.2	19.88	63.3	19.28	62.2	18.11	61.3	17.51	59.1	15.90
		576.0	74.3	20.89	68.7	19.88	63.8	19.28	62.7	18.11	61.8	17.51	59.5	15.90
	5	153.6	97.5	22.42	92.4	21.34	88.0	20.65	86.1	19.47	82.3	18.77	78.4	17.05
		192.0	97.8	22.54	92.6	21.45	88.0	20.76	86.1	19.56	82.3	18.87	78.4	17.14
		384.0	98.6	22.98	93.3	21.89	88.1	21.21	86.1	19.92	82.3	19.28	78.4	17.51
		480.0	98.6	23.14	93.2	22.05	88.1	21.37	86.1	20.08	82.3	19.40	78.4	17.63
		576.0	98.6	23.22	93.1	22.13	88.1	21.45	86.1	20.16	82.3	19.46	78.4	17.69
	10	153.6	98.0	20.64	92.7	19.52	88.1	18.79	86.1	17.75	82.3	17.02	78.4	15.57
		192.0	98.1	20.60	92.8	19.48	88.1	18.75	86.1	17.75	82.3	17.02	78.4	15.57
		384.0	98.6	20.44	93.2	19.32	88.1	18.59	86.1	17.75	82.3	17.02	78.4	15.57
		480.0	98.6	20.52	93.2	19.40	88.1	18.67	86.1	17.83	82.3	16.90	78.4	15.61
		576.0	98.6	20.56	93.2	19.44	88.1	18.71	86.1	17.87	82.3	16.84	78.4	15.63
	15	153.6	98.6	18.87	93.2	17.70	88.1	16.94	86.1	16.03	82.3	15.27	78.4	14.11
		192.0	98.6	18.67	93.2	17.51	88.1	16.74	86.1	15.94	82.3	15.17	78.4	14.00
		384.0	98.6	17.91	93.2	16.74	88.1	15.94	86.1	15.57	82.3	14.77	78.4	13.60
		480.0	98.6	17.91	93.2	16.74	88.1	15.94	86.1	15.57	82.3	14.41	78.4	13.60
		576.0	98.6	17.91	93.2	16.74	88.1	15.94	86.1	15.57	82.3	14.22	78.4	13.60
	20	153.6	98.6	15.68	93.2	14.86	88.1	14.51	86.1	14.11	82.3	13.34	78.4	12.53
		192.0	98.6	15.57	93.2	14.77	88.1	14.41	86.1	14.00	82.3	13.24	78.4	12.43
		384.0	98.6	15.17	93.2	14.41	88.1	14.00	86.1	13.60	82.3	12.84	78.4	12.07
		480.0	98.6	15.17	93.2	14.41	88.1	14.00	86.1	13.24	82.3	12.84	78.4	11.67
		576.0	98.6	15.17	93.2	14.41	88.1	14.00	86.1	13.06	82.3	12.84	78.4	11.47
	25	153.6	98.6	14.11	93.2	13.34	88.1	12.53	86.1	12.17	82.3	11.27	78.4	10.50
		192.0	98.6	14.00	93.2	13.24	88.1	12.43	86.1	12.07	82.3	11.27	78.4	10.50
		384.0	98.6	13.60	93.2	12.84	88.1	12.07	86.1	11.67	82.3	11.27	78.4	10.50
		480.0	98.6	13.24	93.2	12.43	88.1	12.07	86.1	11.67	82.3	10.91	78.4	10.50
		576.0	98.6	13.06	93.2	12.23	88.1	12.07	86.1	11.67	82.3	10.72	78.4	10.50
	30	153.6	98.6	12.53	93.2	11.77	88.1	11.01	86.1	10.50	82.3	10.19	78.4	9.34
		192.0	98.6	12.43	93.2	11.67	88.1	10.91	86.1	10.50	82.3	10.10	78.4	9.34
		384.0	98.6	12.07	93.2	11.27	88.1	10.50	86.1	10.50	82.3	9.74	78.4	9.34
		480.0	98.6	12.07	93.2	11.27	88.1	10.50	86.1	10.10	82.3	9.74	78.4	9.34
		576.0	98.6	12.07	93.2	11.27	88.1	10.50	86.1	9.90	82.3	9.74	78.4	9.34
	35	153.6	98.6	11.36	93.2	10.60	88.1	9.74	86.1	9.84	82.3	8.93	78.4	8.67
		192.0	98.6	11.27	93.2	10.50	88.1	9.74	86.1	9.74	82.3	8.93	78.4	8.57
		384.0	98.6	10.91	93.2	10.10	88.1	9.74	86.1	9.34	82.3	8.93	78.4	8.17
		480.0	98.6	10.91	93.2	10.10	88.1	9.34	86.1	9.34	82.3	8.93	78.4	8.17
		576.0	98.6	10.91	93.2	10.10	88.1	9.13	86.1	9.34	82.3	8.93	78.4	8.17
	40	153.6	98.6	10.60	93.2	9.84	88.1	9.03	86.1	8.57	82.3	8.17	78.4	7.86
		192.0	98.6	10.50	93.2	9.74	88.1	8.93	86.1	8.57	82.3	8.17	78.4	7.77
		384.0	98.6	10.10	93.2	9.34	88.1	8.57	86.1	8.57	82.3	8.17	78.4	7.40
		480.0	98.6	10.10	93.2	9.34	88.1	8.57	86.1	8.17	82.3	7.77	78.4	7.40
		576.0	98.6	10.10	93.2	9.34	88.1	8.57	86.1	7.97	82.3	7.56	78.4	7.40
	45	153.6	98.6	9.84	93.2	9.03	88.1	8.36	86.1	7.31	82.3	7.40	78.4	7.10
		192.0	98.6	9.74	93.2	8.93	88.1	8.17	86.1	7.40	82.3	7.40	78.4	7.00
		384.0	98.6	9.34	93.2	8.57	88.1	7.40	86.1	7.77	82.3	7.40	78.4	6.60
		480.0	98.6	9.34	93.2	8.57	88.1	7.77	86.1	7.00	82.3	6.60	78.4	6.60
		576.0	98.6	9.34	93.2	8.57	88.1	7.95	86.1	6.62	82.3	6.19	78.4	6.60
60	-5	153.6	33.9	11.42	31.7	10.98	30.0	10.55	29.7	9.81	29.6	9.65	29.0	8.62
		192.0	35.0	11.67	32.8	11.23	31.1	10.78	30.7	10.02	30.6	9.86	30.0	8.81
		384.0	39.7	12.68	37.2	12.19	35.2	11.71	34.8	10.87	34.7	10.70	34.0	9.58
		480.0	43.8	13.64	41.0	13.16	38.9	12.64	38.4	11.75	38.3	11.55	37.5	10.30
		576.0	45.9	14.13	43.0	13.65	40.8	13.10	40.3	12.20	40.2	11.98	39.3	10.67

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	153.6	60.6	16.73	55.8	16.14	52.1	15.44	51.0	14.37	50.3	14.16	48.5	12.65
		192.0	60.9	16.78	56.1	16.18	52.4	15.49	51.3	14.41	50.6	14.21	48.8	12.68
		384.0	62.4	16.98	57.4	16.34	53.7	15.69	52.5	14.57	51.8	14.37	49.8	12.80
		480.0	63.3	16.98	58.4	16.34	54.5	15.69	53.3	14.57	52.6	14.37	50.6	12.80
		576.0	63.8	16.98	58.8	16.34	54.9	15.69	53.7	14.57	53.0	14.37	51.0	12.80
	5	153.6	83.7	18.22	79.0	17.53	75.7	16.81	73.8	15.65	70.7	15.41	67.3	13.73
		192.0	83.9	18.31	79.1	17.63	75.7	16.90	73.8	15.73	70.7	15.49	67.3	13.80
		384.0	84.6	18.67	79.7	17.99	75.7	17.26	73.8	16.06	70.7	15.81	67.3	14.08
		480.0	84.6	18.83	79.6	18.11	75.7	17.38	73.8	16.18	70.7	15.90	67.3	14.21
		576.0	84.6	18.91	79.5	18.17	75.7	17.45	73.8	16.24	70.7	15.94	67.3	14.27
	10	153.6	84.2	16.74	79.3	16.02	75.7	15.25	73.8	14.25	70.7	13.97	67.3	12.52
		192.0	84.3	16.74	79.4	16.02	75.7	15.25	73.8	14.29	70.7	13.96	67.3	12.56
		384.0	84.6	16.74	79.7	16.02	75.7	15.25	73.8	14.45	70.7	13.92	67.3	12.68
		480.0	84.6	16.78	79.6	15.86	75.7	15.09	73.8	14.29	70.7	13.80	67.3	12.56
		576.0	84.6	16.80	79.5	15.77	75.7	15.01	73.8	14.20	70.7	13.74	67.3	12.49
	15	153.6	84.6	15.27	79.6	14.51	75.7	13.69	73.8	12.84	70.7	12.53	67.3	11.27
		192.0	84.6	15.17	79.6	14.41	75.7	13.60	73.8	12.84	70.7	12.43	67.3	11.27
		384.0	84.6	14.77	79.6	14.00	75.7	13.24	73.8	12.84	70.7	12.07	67.3	11.27
		480.0	84.6	14.77	79.6	13.60	75.7	12.84	73.8	12.43	70.7	11.67	67.3	10.91
		576.0	84.6	14.77	79.6	13.40	75.7	12.63	73.8	12.23	70.7	11.47	67.3	10.72
	20	153.6	84.6	13.34	79.6	12.53	75.7	11.77	73.8	11.36	70.7	11.01	67.3	10.19
		192.0	84.6	13.24	79.6	12.43	75.7	11.67	73.8	11.27	70.7	10.91	67.3	10.10
		384.0	84.6	12.84	79.6	12.07	75.7	11.27	73.8	10.91	70.7	10.50	67.3	9.74
		480.0	84.6	12.84	79.6	12.07	75.7	11.27	73.8	10.91	70.7	10.50	67.3	9.74
		576.0	84.6	12.84	79.6	12.07	75.7	11.27	73.8	10.91	70.7	10.50	67.3	9.74
	25	153.6	84.6	11.77	79.6	11.01	75.7	10.10	73.8	10.19	70.7	9.34	67.3	9.03
		192.0	84.6	11.67	79.6	10.91	75.7	10.10	73.8	10.10	70.7	9.34	67.3	8.93
		384.0	84.6	11.27	79.6	10.50	75.7	10.10	73.8	9.74	70.7	9.34	67.3	8.57
		480.0	84.6	11.27	79.6	10.50	75.7	9.74	73.8	9.74	70.7	9.34	67.3	8.57
		576.0	84.6	11.27	79.6	10.50	75.7	9.56	73.8	9.74	70.7	9.34	67.3	8.57
	30	153.6	84.6	10.60	79.6	9.84	75.7	9.44	73.8	9.03	70.7	8.67	67.3	8.27
		192.0	84.6	10.50	79.6	9.74	75.7	9.34	73.8	8.93	70.7	8.57	67.3	8.17
		384.0	84.6	10.10	79.6	9.34	75.7	8.93	73.8	8.57	70.7	8.17	67.3	7.77
		480.0	84.6	10.10	79.6	9.34	75.7	8.93	73.8	8.57	70.7	8.17	67.3	7.77
		576.0	84.6	10.10	79.6	9.34	75.7	8.93	73.8	8.57	70.7	8.17	67.3	7.77
	35	153.6	84.6	9.34	79.6	9.03	75.7	8.17	73.8	8.27	70.7	7.86	67.3	7.51
		192.0	84.6	9.34	79.6	8.93	75.7	8.17	73.8	8.17	70.7	7.77	67.3	7.40
		384.0	84.6	9.34	79.6	8.57	75.7	8.17	73.8	7.77	70.7	7.40	67.3	7.00
		480.0	84.6	9.34	79.6	8.57	75.7	7.77	73.8	7.77	70.7	7.40	67.3	7.00
		576.0	84.6	9.34	79.6	8.57	75.7	7.56	73.8	7.77	70.7	7.40	67.3	7.00
	40	153.6	84.6	8.57	79.6	8.27	75.7	7.40	73.8	7.51	70.7	7.10	67.3	6.60
		192.0	84.6	8.57	79.6	8.17	75.7	7.40	73.8	7.40	70.7	7.00	67.3	6.60
		384.0	84.6	8.57	79.6	7.77	75.7	7.40	73.8	7.00	70.7	6.60	67.3	6.60
		480.0	84.6	8.57	79.6	7.77	75.7	7.40	73.8	7.00	70.7	6.60	67.3	6.60
		576.0	84.6	8.57	79.6	7.77	75.7	7.40	73.8	7.00	70.7	6.60	67.3	6.60
	45	153.6	84.6	7.77	79.6	7.51	75.7	6.60	73.8	6.69	70.7	6.34	67.3	5.73
		192.0	84.6	7.77	79.6	7.40	75.7	6.60	73.8	6.60	70.7	6.24	67.3	5.84
		384.0	84.6	7.77	79.6	7.00	75.7	6.60	73.8	6.24	70.7	5.84	67.3	6.24
		480.0	84.6	7.77	79.6	7.00	75.7	7.00	73.8	6.24	70.7	5.84	67.3	6.24
		576.0	84.6	7.77	79.6	7.00	75.7	7.20	73.8	6.24	70.7	5.84	67.3	6.24
50	-5	153.6	28.2	9.10	26.5	8.62	25.0	8.16	24.7	7.71	24.6	7.24	24.1	6.86
		192.0	29.2	9.30	27.4	8.81	25.9	8.33	25.6	7.89	25.4	7.40	25.0	7.00
		384.0	32.9	10.06	30.9	9.58	29.3	9.01	29.0	8.57	28.8	8.05	28.2	7.57
		480.0	36.5	10.87	34.2	10.30	32.3	9.74	32.0	9.26	31.8	8.65	31.3	8.17
		576.0	38.2	11.27	35.9	10.67	33.9	10.10	33.5	9.60	33.2	8.96	32.8	8.47
	0	153.6	50.3	13.33	46.6	12.65	43.3	11.91	42.4	11.31	41.8	10.63	40.3	10.03
		192.0	50.6	13.36	46.9	12.68	43.6	11.95	42.7	11.35	42.1	10.66	40.6	10.06
		384.0	51.8	13.48	47.9	12.80	44.7	12.11	43.7	11.51	43.1	10.78	41.5	10.18
		480.0	52.6	13.48	48.6	12.80	45.2	12.11	44.4	11.51	43.7	10.78	42.2	10.18
		576.0	53.0	13.48	49.0	12.80	45.5	12.11	44.8	11.51	44.0	10.78	42.5	10.18
	5	153.6	69.6	14.50	66.0	13.73	62.9	12.97	61.4	12.33	58.7	11.58	56.0	10.88
		192.0	69.7	14.57	66.1	13.80	62.9	13.04	61.4	12.39	58.7	11.63	56.0	10.95
		384.0	70.3	14.85	66.6	14.08	63.1	13.32	61.4	12.64	58.7	11.83	56.0	11.19
		480.0	70.3	14.97	66.5	14.21	63.1	13.40	61.4	12.72	58.7	11.95	56.0	11.27
		576.0	70.3	15.03	66.4	14.27	63.1	13.44	61.4	12.76	58.7	12.01	56.0	11.31

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(40HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	153.6	70.0	13.34	66.1	12.57	62.9	11.81	61.4	11.29	58.7	10.43	56.0	9.96
		192.0	70.1	13.32	66.2	12.56	62.9	11.79	61.4	11.27	58.7	10.46	56.0	9.94
		384.0	70.3	13.24	66.6	12.52	63.1	11.71	61.4	11.19	58.7	10.58	56.0	9.86
		480.0	70.3	13.32	66.5	12.56	63.1	11.75	61.4	11.23	58.7	10.42	56.0	9.90
		576.0	70.3	13.36	66.4	12.58	63.1	11.77	61.4	11.25	58.7	10.34	56.0	9.92
	15	153.6	70.3	12.17	66.5	11.36	63.1	10.60	61.4	10.19	58.7	9.34	56.0	9.03
		192.0	70.3	12.07	66.5	11.27	63.1	10.50	61.4	10.10	58.7	9.34	56.0	8.93
		384.0	70.3	11.67	66.5	10.91	63.1	10.10	61.4	9.74	58.7	9.34	56.0	8.57
		480.0	70.3	11.67	66.5	10.91	63.1	10.10	61.4	9.74	58.7	8.93	56.0	8.57
		576.0	70.3	11.67	66.5	10.91	63.1	10.10	61.4	9.74	58.7	8.73	56.0	8.57
	20	153.6	70.3	10.60	66.5	9.84	63.1	9.44	61.4	9.03	58.7	8.67	56.0	7.77
		192.0	70.3	10.50	66.5	9.74	63.1	9.34	61.4	8.93	58.7	8.57	56.0	7.77
		384.0	70.3	10.10	66.5	9.34	63.1	8.93	61.4	8.57	58.7	8.17	56.0	7.77
		480.0	70.3	10.10	66.5	9.34	63.1	8.93	61.4	8.57	58.7	8.17	56.0	7.77
		576.0	70.3	10.10	66.5	9.34	63.1	8.93	61.4	8.57	58.7	8.17	56.0	7.77
	25	153.6	70.3	9.44	66.5	8.57	63.1	8.27	61.4	7.77	58.7	7.40	56.0	7.00
		192.0	70.3	9.34	66.5	8.57	63.1	8.17	61.4	7.77	58.7	7.40	56.0	7.00
		384.0	70.3	8.93	66.5	8.57	63.1	7.77	61.4	7.77	58.7	7.40	56.0	7.00
		480.0	70.3	8.93	66.5	8.57	63.1	7.77	61.4	7.77	58.7	7.40	56.0	7.00
		576.0	70.3	8.93	66.5	8.57	63.1	7.77	61.4	7.77	58.7	7.40	56.0	7.00
	30	153.6	70.3	8.67	66.5	7.86	63.1	7.51	61.4	7.00	58.7	7.10	56.0	6.69
		192.0	70.3	8.57	66.5	7.77	63.1	7.40	61.4	7.00	58.7	7.00	56.0	6.60
		384.0	70.3	8.17	66.5	7.40	63.1	7.00	61.4	7.00	58.7	6.60	56.0	6.24
		480.0	70.3	8.17	66.5	7.40	63.1	7.00	61.4	7.00	58.7	6.60	56.0	6.24
		576.0	70.3	8.17	66.5	7.40	63.1	7.00	61.4	7.00	58.7	6.60	56.0	6.24
	35	153.6	70.3	7.86	66.5	7.00	63.1	6.60	61.4	6.69	58.7	6.24	56.0	5.84
		192.0	70.3	7.77	66.5	7.00	63.1	6.60	61.4	6.60	58.7	6.24	56.0	5.84
		384.0	70.3	7.40	66.5	7.00	63.1	6.60	61.4	6.24	58.7	6.24	56.0	5.84
		480.0	70.3	7.40	66.5	7.00	63.1	6.60	61.4	6.24	58.7	6.24	56.0	5.84
		576.0	70.3	7.40	66.5	7.00	63.1	6.60	61.4	6.24	58.7	6.24	56.0	5.84
	40	153.6	70.3	7.10	66.5	6.69	63.1	6.34	61.4	5.84	58.7	5.94	56.0	5.43
		192.0	70.3	7.00	66.5	6.60	63.1	6.24	61.4	5.84	58.7	5.84	56.0	5.43
		384.0	70.3	6.60	66.5	6.24	63.1	5.84	61.4	5.84	58.7	5.43	56.0	5.43
		480.0	70.3	6.60	66.5	6.24	63.1	5.84	61.4	5.84	58.7	5.43	56.0	5.43
		576.0	70.3	6.60	66.5	6.24	63.1	5.84	61.4	5.84	58.7	5.43	56.0	5.43
	45	153.6	70.3	6.34	66.5	6.44	63.1	6.03	61.4	4.98	58.7	5.63	56.0	5.07
		192.0	70.3	6.24	66.5	6.24	63.1	5.84	61.4	5.07	58.7	5.43	56.0	5.07
		384.0	70.3	5.84	66.5	5.43	63.1	5.07	61.4	5.43	58.7	4.67	56.0	5.07
		480.0	70.3	5.84	66.5	5.43	63.1	5.07	61.4	5.43	58.7	4.67	56.0	5.07
		576.0	70.3	5.84	66.5	5.43	63.1	5.07	61.4	5.43	58.7	4.67	56.0	5.07

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(42HP)

ARWN420LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	161.6	62.6	24.88	62.1	23.43	61.8	21.81	60.9	21.16	61.6	20.61	59.9	18.48
		202.0	64.7	25.32	64.2	23.88	63.9	22.29	63.0	21.63	63.8	21.06	62.0	18.89
		404.0	73.2	27.04	72.6	25.69	72.2	24.17	71.3	23.47	72.1	22.82	70.3	20.48
		505.0	81.0	28.76	80.2	27.45	79.7	26.05	78.8	25.36	79.7	24.62	77.7	22.08
		606.0	84.9	29.62	84.1	28.33	83.5	27.00	82.5	26.31	83.6	25.53	81.4	22.89
	0	161.6	111.8	34.03	109.3	33.02	106.9	31.94	104.6	31.04	105.0	30.19	100.2	27.04
		202.0	112.5	34.12	109.9	33.10	107.6	32.04	105.2	31.13	105.6	30.27	100.8	27.12
		404.0	115.2	34.49	112.4	33.43	110.0	32.40	107.7	31.50	108.1	30.60	103.3	27.45
		505.0	116.9	34.49	114.1	33.43	111.7	32.40	109.3	31.50	109.7	30.60	104.7	27.45
		606.0	117.8	34.49	115.0	33.43	112.6	32.40	110.1	31.50	110.5	30.60	105.5	27.45
	5	161.6	161.0	36.58	158.6	35.68	155.3	34.77	151.4	33.78	147.3	32.85	139.2	29.42
		202.0	161.6	36.75	158.9	35.84	155.3	34.94	151.4	33.96	147.3	33.02	139.2	29.58
		404.0	163.8	37.40	160.0	36.50	155.4	35.64	151.4	34.66	147.3	33.67	139.2	30.19
		505.0	164.8	37.65	160.5	36.75	155.4	35.89	151.4	34.90	147.3	33.92	139.2	30.40
		606.0	165.3	37.77	160.7	36.87	155.4	36.01	151.4	35.03	147.3	34.04	139.2	30.50
	10	161.6	161.2	33.29	158.6	32.17	154.8	31.56	150.8	30.86	146.8	29.80	138.6	26.89
		202.0	162.2	33.22	159.4	32.20	155.4	31.63	151.4	30.85	147.3	29.78	139.2	26.87
		404.0	166.0	32.98	162.3	32.32	157.9	31.87	153.8	30.81	149.5	29.70	141.4	26.79
		505.0	166.9	33.43	163.4	32.77	158.9	31.99	154.6	30.93	150.5	30.19	142.3	28.06
		606.0	167.3	33.65	164.0	33.00	159.4	32.06	154.9	30.99	151.0	30.44	142.7	28.70
	15	161.6	161.5	30.00	158.7	28.72	154.2	28.41	150.1	27.94	146.2	26.75	138.1	24.38
		202.0	162.8	29.70	159.9	28.59	155.4	28.35	151.4	27.73	147.3	26.55	139.2	24.17
		404.0	168.1	28.51	164.7	28.10	160.4	28.10	156.3	26.91	151.7	25.73	143.6	23.35
		505.0	169.0	29.21	166.3	28.76	162.3	28.10	157.9	26.91	153.8	26.46	145.3	25.73
		606.0	169.4	29.56	167.1	29.09	163.3	28.10	158.7	26.91	154.9	26.84	146.2	26.92
	20	161.6	167.6	27.52	164.6	26.24	160.2	25.67	155.8	24.84	151.3	24.29	142.3	23.55
		202.0	169.0	27.32	165.9	26.22	161.5	25.64	157.0	24.95	152.6	24.46	143.6	23.35
		404.0	174.3	26.55	171.2	26.14	166.4	25.56	162.0	25.36	157.9	25.11	148.9	22.57
		505.0	175.0	26.55	172.4	26.14	168.4	25.73	163.6	25.36	159.1	25.11	150.1	24.01
		606.0	175.4	26.55	173.0	26.14	169.4	25.81	164.4	25.36	159.7	25.11	150.8	24.73
	25	161.6	177.0	26.24	172.4	25.48	168.4	25.05	165.2	24.63	161.5	24.27	152.2	22.68
		202.0	177.0	26.14	172.4	25.44	168.4	24.95	165.2	24.54	161.5	24.17	152.2	22.57
		404.0	177.0	25.73	172.4	25.28	168.4	24.54	165.2	24.17	161.5	23.76	152.2	22.16
		505.0	177.0	25.36	172.4	24.62	168.4	24.17	165.2	23.76	161.5	23.35	152.2	21.79
		606.0	177.0	25.17	172.4	24.29	168.4	23.98	165.2	23.55	161.5	23.14	152.2	21.61
	30	161.6	177.0	25.56	172.4	24.29	168.4	24.07	165.2	23.44	161.5	23.19	152.2	21.58
		202.0	177.0	25.36	172.4	24.25	168.4	23.92	165.2	23.35	161.5	22.98	152.2	21.38
		404.0	177.0	24.54	172.4	24.09	168.4	23.35	165.2	22.98	161.5	22.16	152.2	20.61
		505.0	177.0	24.17	172.4	23.43	168.4	22.98	165.2	22.57	161.5	22.16	152.2	20.61
		606.0	177.0	23.98	172.4	23.10	168.4	22.80	165.2	22.37	161.5	22.16	152.2	20.61
	35	161.6	177.0	24.38	172.4	23.57	168.4	23.09	165.2	22.26	161.5	21.49	152.2	19.98
		202.0	177.0	24.17	172.4	23.43	168.4	22.98	165.2	22.16	161.5	21.38	152.2	19.79
		404.0	177.0	23.35	172.4	22.90	168.4	22.57	165.2	21.79	161.5	20.97	152.2	19.01
		505.0	177.0	23.35	172.4	22.65	168.4	22.16	165.2	21.38	161.5	20.61	152.2	19.01
		606.0	177.0	23.35	172.4	22.53	168.4	21.96	165.2	21.18	161.5	20.42	152.2	19.01
	40	161.6	177.0	23.55	172.4	22.80	168.4	22.36	165.2	21.58	161.5	20.81	152.2	18.79
		202.0	177.0	23.35	172.4	22.65	168.4	22.16	165.2	21.38	161.5	20.61	152.2	18.60
		404.0	177.0	22.57	172.4	22.08	168.4	21.38	165.2	20.61	161.5	19.79	152.2	17.82
		505.0	177.0	22.16	172.4	21.71	168.4	21.38	165.2	20.61	161.5	19.79	152.2	17.82
		606.0	177.0	21.96	172.4	21.53	168.4	21.38	165.2	20.61	161.5	19.79	152.2	17.82
	45	161.6	177.0	22.77	172.4	22.02	168.4	21.68	165.2	20.91	161.5	20.09	152.2	17.61
		202.0	177.0	22.57	172.4	21.88	168.4	21.38	165.2	20.61	161.5	19.79	152.2	17.41
		404.0	177.0	21.79	172.4	21.30	168.4	20.20	165.2	19.42	161.5	18.60	152.2	16.63
		505.0	177.0	20.97	172.4	20.77	168.4	20.61	165.2	19.79	161.5	19.01	152.2	16.63
		606.0	177.0	20.56	172.4	20.50	168.4	20.81	165.2	19.97	161.5	19.21	152.2	16.63
120	-5	161.6	59.5	24.88	59.0	23.43	58.7	21.81	57.9	20.89	58.4	20.28	56.9	18.15
		202.0	61.5	25.32	61.0	23.88	60.7	22.29	59.9	21.34	60.4	20.73	58.8	18.56
		404.0	69.7	27.04	69.0	25.69	68.7	24.17	67.8	23.15	68.4	22.49	66.6	20.16
		505.0	76.9	28.76	76.3	27.45	75.8	26.05	74.9	24.99	75.6	24.25	73.5	21.71
		606.0	80.6	29.62	80.0	28.33	79.4	27.00	78.5	25.92	79.2	25.14	76.9	22.50
	0	161.6	106.3	34.03	103.7	33.02	101.5	31.94	99.5	30.59	99.5	29.74	94.9	26.59
		202.0	106.9	34.12	104.4	33.10	102.1	32.04	100.1	30.68	100.1	29.82	95.5	26.67
		404.0	109.4	34.49	106.8	33.43	104.6	32.40	102.4	31.05	102.4	30.15	97.8	27.00
		505.0	111.1	34.49	108.5	33.43	106.2	32.40	104.0	31.05	103.9	30.15	99.3	27.00
		606.0	112.0	34.49	109.4	33.43	107.0	32.40	104.8	31.05	104.6	30.15	100.1	27.00

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	161.6	153.3	36.58	151.0	35.68	147.7	34.77	144.1	33.29	139.6	32.36	131.9	28.98
		202.0	153.8	36.75	151.3	35.84	147.7	34.94	144.1	33.47	139.6	32.53	131.9	29.13
		404.0	156.1	37.40	152.4	36.50	147.7	35.64	144.1	34.17	139.6	33.18	131.9	29.70
		505.0	156.9	37.65	151.5	36.75	147.7	35.89	144.1	34.41	139.6	33.43	131.9	29.90
		606.0	157.3	37.77	151.1	36.87	147.7	36.01	144.1	34.53	139.6	33.55	131.9	30.01
	10	161.6	153.9	32.86	151.0	31.95	147.3	31.31	143.7	30.36	139.2	29.35	131.6	26.39
		202.0	154.6	32.98	151.6	32.08	147.7	31.42	144.1	30.40	139.6	29.33	131.9	26.42
		404.0	157.4	33.43	154.1	32.57	149.3	31.87	145.7	30.56	141.0	29.25	133.3	26.55
		505.0	158.3	33.30	153.6	32.57	149.9	31.99	146.3	30.68	141.7	29.37	133.9	27.45
		606.0	158.7	33.24	153.3	32.57	150.2	32.06	146.6	30.75	142.0	29.43	134.2	27.90
	15	161.6	154.3	29.15	151.2	28.29	146.8	27.85	143.3	27.43	138.8	26.33	131.2	23.86
		202.0	155.2	29.21	152.1	28.35	147.7	27.90	144.1	27.32	139.6	26.14	131.9	23.76
		404.0	158.8	29.45	155.8	28.59	151.0	28.10	147.3	26.91	142.4	25.36	134.8	23.35
		505.0	159.6	29.00	155.7	28.35	152.2	28.10	148.5	26.91	143.6	25.36	136.0	24.95
		606.0	160.1	28.78	155.6	28.22	152.9	28.10	149.2	26.91	144.2	25.36	136.6	25.75
	20	161.6	158.6	26.22	155.6	25.10	150.9	24.43	146.8	24.08	142.0	23.78	134.3	22.57
		202.0	159.6	26.22	156.5	25.19	151.7	24.54	147.7	24.17	142.9	23.76	135.1	22.49
		404.0	163.7	26.22	160.2	25.56	155.1	24.95	151.4	24.54	146.5	23.68	138.3	22.16
		505.0	164.4	25.97	160.1	25.36	156.3	24.95	152.2	24.54	147.3	23.76	139.2	22.98
		606.0	164.8	25.85	160.1	25.25	156.9	24.95	152.7	24.54	147.7	23.80	139.6	23.39
	25	161.6	166.3	24.80	161.5	23.64	156.3	23.19	153.0	22.68	148.9	22.26	140.8	20.71
		202.0	166.4	24.70	161.5	23.60	156.3	23.15	153.0	22.57	148.9	22.16	140.8	20.61
		404.0	166.8	24.33	161.5	23.43	156.3	22.98	153.0	22.16	148.9	21.79	140.8	20.20
		505.0	167.3	23.43	161.5	22.82	156.3	22.57	153.0	22.16	148.9	21.38	140.8	20.20
		606.0	167.5	22.98	161.5	22.51	156.3	22.37	153.0	22.16	148.9	21.18	140.8	20.20
	30	161.6	167.3	23.71	161.5	22.54	156.3	21.90	153.0	21.07	148.9	20.81	140.8	19.11
		202.0	167.3	23.51	161.5	22.41	156.3	21.79	153.0	20.97	148.9	20.61	140.8	19.01
		404.0	167.3	22.74	161.5	21.88	156.3	21.38	153.0	20.61	148.9	19.79	140.8	18.60
		505.0	167.3	22.00	161.5	21.38	156.3	20.97	153.0	20.61	148.9	19.79	140.8	18.23
		606.0	167.3	21.63	161.5	21.14	156.3	20.77	153.0	20.61	148.9	19.79	140.8	18.04
	35	161.6	167.3	22.65	161.5	21.42	156.3	20.81	153.0	19.98	148.9	19.20	140.8	17.50
		202.0	167.3	22.33	161.5	21.22	156.3	20.61	153.0	19.79	148.9	19.01	140.8	17.41
		404.0	167.3	21.06	161.5	20.44	156.3	19.79	153.0	19.01	148.9	18.23	140.8	17.04
		505.0	167.3	20.81	161.5	20.28	156.3	19.79	153.0	19.01	148.9	18.23	140.8	16.63
		606.0	167.3	20.69	161.5	20.20	156.3	19.79	153.0	19.01	148.9	18.23	140.8	16.43
	40	161.6	167.3	21.97	161.5	20.43	156.3	19.62	153.0	18.79	148.9	18.02	140.8	16.32
		202.0	167.3	21.55	161.5	20.20	156.3	19.42	153.0	18.60	148.9	17.82	140.8	16.22
		404.0	167.3	19.87	161.5	19.25	156.3	18.60	153.0	17.82	148.9	17.04	140.8	15.85
		505.0	167.3	19.62	161.5	19.01	156.3	18.60	153.0	17.82	148.9	17.04	140.8	15.44
		606.0	167.3	19.50	161.5	18.88	156.3	18.60	153.0	17.82	148.9	17.04	140.8	15.24
	45	161.6	167.3	21.30	161.5	19.45	156.3	18.44	153.0	17.61	148.9	16.83	140.8	15.13
		202.0	167.3	20.77	161.5	19.17	156.3	18.23	153.0	17.41	148.9	16.63	140.8	15.03
		404.0	167.3	18.68	161.5	18.07	156.3	17.41	153.0	16.63	148.9	15.85	140.8	14.67
		505.0	167.3	18.43	161.5	17.74	156.3	17.41	153.0	16.63	148.9	15.85	140.8	14.26
		606.0	167.3	18.31	161.5	17.57	156.3	17.41	153.0	16.63	148.9	15.85	140.8	14.05
110	-5	161.6	56.3	25.21	55.9	23.43	55.5	21.81	55.0	20.89	55.1	20.28	53.9	18.15
		202.0	58.2	25.64	57.8	23.88	57.5	22.29	56.9	21.34	57.0	20.73	55.8	18.56
		404.0	65.8	27.36	65.5	25.69	65.1	24.17	64.4	23.15	64.4	22.49	63.1	20.16
		505.0	72.7	29.13	72.2	27.45	71.9	26.05	71.1	24.99	71.1	24.25	69.7	21.71
		606.0	76.2	30.01	75.7	28.33	75.3	27.00	74.5	25.92	74.5	25.14	72.9	22.50
	0	161.6	100.6	34.49	98.4	33.02	96.3	31.94	94.5	30.59	93.6	29.74	90.1	26.59
		202.0	101.2	34.57	98.9	33.10	96.9	32.04	95.0	30.68	94.1	29.82	90.6	26.67
		404.0	103.5	34.90	101.3	33.43	99.1	32.40	97.2	31.05	96.4	30.15	92.7	27.00
		505.0	105.1	34.90	102.9	33.43	100.7	32.40	98.7	31.05	97.8	30.15	94.0	27.00
		606.0	105.9	34.90	103.7	33.43	101.5	32.40	99.4	31.05	98.6	30.15	94.7	27.00
	5	161.6	146.7	37.07	143.2	35.68	139.9	34.77	136.7	33.29	131.4	32.36	125.0	28.98
		202.0	147.2	37.24	143.5	35.84	139.9	34.94	136.7	33.47	131.4	32.53	125.0	29.13
		404.0	149.2	37.89	144.6	36.50	140.1	35.64	136.7	34.17	131.4	33.18	125.0	29.70
		505.0	150.0	38.14	145.0	36.75	140.1	35.89	136.7	34.41	131.4	33.43	125.0	29.90
		606.0	150.5	38.26	145.2	36.87	140.1	36.01	136.7	34.53	131.4	33.55	125.0	30.01
	10	161.6	147.2	33.24	143.6	32.11	139.7	31.41	136.5	30.36	131.2	29.35	124.9	26.39
		202.0	147.8	33.30	144.0	32.20	139.9	31.50	136.7	30.40	131.4	29.33	125.0	26.42
		404.0	150.0	33.55	145.5	32.57	140.8	31.87	137.6	30.56	132.3	29.25	125.7	26.55
		505.0	150.9	33.55	146.1	32.57	141.3	31.79	137.8	30.48	132.5	29.37	126.0	26.83
		606.0	151.3	33.55	146.4	32.57	141.5	31.75	138.0	30.44	132.7	29.43	126.2	26.98

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	161.6	147.7	29.41	143.8	28.59	139.6	28.10	136.3	27.43	131.0	26.33	124.7	23.86
		202.0	148.3	29.37	144.4	28.59	140.1	28.10	136.7	27.32	131.4	26.14	125.0	23.76
		404.0	150.8	29.21	146.5	28.59	141.7	28.10	138.3	26.91	133.2	25.36	126.3	23.35
		505.0	151.6	29.00	147.2	28.35	142.4	27.73	138.8	26.55	133.5	25.36	127.0	23.76
		606.0	152.1	28.90	147.6	28.22	142.8	27.55	139.1	26.36	133.7	25.36	127.4	23.97
	20	161.6	150.4	25.39	146.3	24.78	141.6	24.17	137.8	23.76	132.8	23.09	125.8	21.59
		202.0	151.3	25.44	146.8	24.78	142.0	24.17	138.3	23.76	133.2	22.98	126.3	21.55
		404.0	154.5	25.64	148.8	24.78	143.6	24.17	140.4	23.76	134.8	22.57	128.2	21.38
		505.0	155.3	25.64	150.0	24.78	144.5	24.17	140.8	23.35	135.5	22.57	128.6	21.38
		606.0	155.7	25.64	150.6	24.78	144.9	24.17	141.0	23.14	135.9	22.57	128.8	21.38
	25	161.6	155.1	23.10	150.5	22.26	144.5	21.90	141.3	21.07	136.4	20.30	129.1	18.60
		202.0	155.4	23.06	150.5	22.16	144.5	21.79	141.3	20.97	136.4	20.20	129.1	18.60
		404.0	156.7	22.90	150.5	21.79	144.5	21.38	141.3	20.61	136.4	19.79	129.1	18.60
		505.0	157.4	22.90	150.5	21.88	144.5	20.97	141.3	20.61	136.4	19.42	129.1	18.23
		606.0	157.8	22.90	150.5	21.92	144.5	20.77	141.3	20.61	136.4	19.23	129.1	18.04
	30	161.6	157.4	21.07	150.5	20.30	144.5	19.52	141.3	19.11	136.4	17.92	129.1	16.74
		202.0	157.4	20.97	150.5	20.20	144.5	19.42	141.3	19.01	136.4	17.82	129.1	16.63
		404.0	157.4	20.61	150.5	19.79	144.5	19.01	141.3	18.60	136.4	17.41	129.1	16.22
		505.0	157.4	20.44	150.5	19.42	144.5	18.60	141.3	18.23	136.4	17.41	129.1	16.22
		606.0	157.4	20.36	150.5	19.23	144.5	18.39	141.3	18.04	136.4	17.41	129.1	16.22
	35	161.6	157.4	19.98	150.5	18.69	144.5	17.92	141.3	17.15	136.4	16.32	129.1	15.13
		202.0	157.4	19.79	150.5	18.60	144.5	17.82	141.3	17.04	136.4	16.22	129.1	15.03
		404.0	157.4	19.01	150.5	18.23	144.5	17.41	141.3	16.63	136.4	15.85	129.1	14.67
		505.0	157.4	18.52	150.5	17.82	144.5	17.04	141.3	16.63	136.4	15.85	129.1	14.67
		606.0	157.4	18.27	150.5	17.61	144.5	16.86	141.3	16.63	136.4	15.85	129.1	14.67
	40	161.6	157.4	18.79	150.5	18.02	144.5	16.83	141.3	15.96	136.4	15.13	129.1	13.94
		202.0	157.4	18.60	150.5	17.82	144.5	16.63	141.3	15.85	136.4	15.03	129.1	13.85
		404.0	157.4	17.82	150.5	17.04	144.5	15.85	141.3	15.44	136.4	14.67	129.1	13.48
		505.0	157.4	17.57	150.5	16.63	144.5	15.85	141.3	15.03	136.4	14.26	129.1	13.07
		606.0	157.4	17.45	150.5	16.43	144.5	15.85	141.3	14.83	136.4	14.05	129.1	12.86
	45	161.6	157.4	17.61	150.5	17.34	144.5	15.74	141.3	14.77	136.4	13.94	129.1	12.75
		202.0	157.4	17.41	150.5	17.04	144.5	15.44	141.3	14.67	136.4	13.85	129.1	12.66
		404.0	157.4	16.63	150.5	15.85	144.5	14.26	141.3	14.26	136.4	13.48	129.1	12.29
		505.0	157.4	16.63	150.5	15.44	144.5	14.67	141.3	13.48	136.4	12.66	129.1	11.47
		606.0	157.4	16.63	150.5	15.24	144.5	14.87	141.3	13.09	136.4	12.25	129.1	11.06
100	-5	161.6	53.2	25.21	52.8	23.76	52.6	21.81	52.1	20.89	51.6	19.96	50.7	18.15
		202.0	55.0	25.64	54.6	24.21	54.4	22.29	53.9	21.34	53.4	20.40	52.4	18.56
		404.0	62.3	27.36	61.9	26.01	61.5	24.17	60.9	23.15	60.4	22.16	59.4	20.16
		505.0	68.8	29.13	68.3	27.82	67.9	26.05	67.3	24.99	66.8	23.88	65.6	21.71
		606.0	72.1	30.01	71.5	28.72	71.2	27.00	70.5	25.92	70.1	24.75	68.7	22.50
	0	161.6	95.1	34.49	93.0	33.47	91.0	31.94	89.4	30.59	87.8	29.29	84.8	26.59
		202.0	95.6	34.57	93.5	33.55	91.6	32.04	90.0	30.68	88.4	29.37	85.3	26.67
		404.0	97.8	34.90	95.7	33.88	93.7	32.40	92.1	31.05	90.5	29.70	87.3	27.00
		505.0	99.3	34.90	97.2	33.88	95.1	32.40	93.4	31.05	91.8	29.70	88.6	27.00
		606.0	100.1	34.90	98.0	33.88	95.9	32.40	94.1	31.05	92.5	29.70	89.3	27.00
	5	161.6	140.3	37.07	135.6	36.17	132.1	34.77	129.5	33.29	123.3	31.87	117.7	28.98
		202.0	140.8	37.24	135.9	36.34	132.2	34.94	129.5	33.47	123.3	32.04	117.7	29.13
		404.0	142.8	37.89	136.9	36.99	132.3	35.64	129.5	34.17	123.3	32.69	117.7	29.70
		505.0	143.6	38.14	137.2	37.24	132.3	35.89	129.5	34.41	123.3	32.90	117.7	29.90
		606.0	144.1	38.26	137.4	37.36	132.3	36.01	129.5	34.53	123.3	33.00	117.7	30.01
	10	161.6	141.1	33.15	136.1	32.42	132.3	31.41	129.5	30.36	123.3	28.85	117.7	26.39
		202.0	141.4	33.30	136.2	32.53	132.3	31.50	129.5	30.40	123.3	28.88	117.7	26.42
		404.0	142.8	33.92	137.0	32.94	132.3	31.87	129.5	30.56	123.3	29.00	117.7	26.55
		505.0	143.7	33.80	137.6	32.94	132.3	31.79	129.5	30.48	123.3	28.92	117.7	26.42
		606.0	144.2	33.73	137.9	32.94	132.3	31.75	129.5	30.44	123.3	28.88	117.7	26.36
	15	161.6	141.8	29.23	136.6	28.74	132.3	28.10	129.5	27.43	123.3	25.82	117.7	23.86
		202.0	142.0	29.37	136.7	28.76	132.3	28.10	129.5	27.32	123.3	25.73	117.7	23.76
		404.0	142.8	29.95	137.1	28.84	132.3	28.10	129.5	26.91	123.3	25.36	117.7	23.35
		505.0	144.0	29.45	137.8	28.59	132.3	27.73	129.5	26.55	123.3	24.95	117.7	22.98
		606.0	144.6	29.21	138.2	28.47	132.3	27.55	129.5	26.36	123.3	24.74	117.7	22.80
	20	161.6	142.6	25.00	137.4	24.35	132.3	23.76	129.5	23.44	123.3	21.90	117.7	20.81
		202.0	143.1	25.11	137.5	24.37	132.3	23.76	129.5	23.35	123.3	21.79	117.7	20.61
		404.0	145.2	25.56	137.8	24.46	132.3	23.76	129.5	22.98	123.3	21.38	117.7	19.79
		505.0	146.1	25.11	139.1	24.25	132.3	23.35	129.5	22.57	123.3	20.97	117.7	19.42
		606.0	146.5	24.88	139.7	24.15	132.3	23.14	129.5	22.37	123.3	20.77	117.7	19.23

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	161.6	144.3	21.85	139.6	21.17	132.3	20.30	129.5	19.52	123.3	18.33	117.7	16.63
		202.0	144.9	21.88	139.6	21.06	132.3	20.20	129.5	19.42	123.3	18.23	117.7	16.63
		404.0	146.9	21.96	139.6	20.61	132.3	19.79	129.5	19.01	123.3	17.82	117.7	16.63
		505.0	147.7	21.47	139.6	20.44	132.3	19.42	129.5	18.60	123.3	17.82	117.7	16.22
		606.0	148.1	21.22	139.6	20.36	132.3	19.23	129.5	18.39	123.3	17.82	117.7	16.02
	30	161.6	147.7	19.88	139.6	18.33	132.3	17.08	129.5	16.74	123.3	15.44	117.7	14.77
		202.0	147.7	19.79	139.6	18.23	132.3	17.04	129.5	16.63	123.3	15.44	117.7	14.67
		404.0	147.7	19.42	139.6	17.82	132.3	16.88	129.5	16.22	123.3	15.44	117.7	14.26
		505.0	147.7	19.01	139.6	17.82	132.3	16.63	129.5	16.22	123.3	15.03	117.7	14.26
		606.0	147.7	18.80	139.6	17.82	132.3	16.51	129.5	16.22	123.3	14.83	117.7	14.26
	35	161.6	147.7	18.44	139.6	16.83	132.3	15.08	129.5	14.77	123.3	13.94	117.7	12.75
		202.0	147.7	18.23	139.6	16.63	132.3	15.03	129.5	14.67	123.3	13.85	117.7	12.66
		404.0	147.7	17.41	139.6	15.85	132.3	14.87	129.5	14.26	123.3	13.48	117.7	12.29
		505.0	147.7	17.41	139.6	15.85	132.3	14.67	129.5	14.26	123.3	13.48	117.7	12.29
		606.0	147.7	17.41	139.6	15.85	132.3	14.56	129.5	14.26	123.3	13.48	117.7	12.29
	40	161.6	147.7	17.25	139.6	15.64	132.3	13.52	129.5	13.17	123.3	12.39	117.7	11.56
		202.0	147.7	17.04	139.6	15.44	132.3	13.48	129.5	13.07	123.3	12.29	117.7	11.47
		404.0	147.7	16.22	139.6	14.67	132.3	13.31	129.5	12.66	123.3	11.88	117.7	11.10
		505.0	147.7	15.85	139.6	14.67	132.3	13.07	129.5	12.66	123.3	11.88	117.7	11.10
		606.0	147.7	15.67	139.6	14.67	132.3	12.94	129.5	12.66	123.3	11.88	117.7	11.10
	45	161.6	147.7	16.06	139.6	14.45	132.3	11.92	129.5	11.56	123.3	10.80	117.7	10.38
		202.0	147.7	15.85	139.6	14.26	132.3	11.88	129.5	11.47	123.3	10.69	117.7	10.28
		404.0	147.7	15.03	139.6	13.48	132.3	11.72	129.5	11.10	123.3	10.28	117.7	9.91
		505.0	147.7	14.26	139.6	13.48	132.3	11.47	129.5	11.10	123.3	10.28	117.7	9.91
		606.0	147.7	13.86	139.6	13.48	132.3	11.35	129.5	11.10	123.3	10.28	117.7	9.91
90	-5	161.6	50.2	23.40	48.7	21.31	47.2	18.72	46.9	17.84	46.5	17.19	45.7	15.43
		202.0	51.9	23.80	50.3	21.71	48.9	19.13	48.5	18.23	48.1	17.57	47.3	15.77
		404.0	58.8	25.40	57.0	23.31	55.3	20.77	54.9	19.79	54.5	19.09	53.4	17.12
		505.0	65.0	27.00	62.9	24.95	61.0	22.41	60.6	21.34	60.2	20.56	59.1	18.48
		606.0	68.1	27.80	65.9	25.77	64.0	23.23	63.4	22.13	63.0	21.31	61.9	19.16
	0	161.6	89.8	31.87	85.7	29.90	81.7	27.46	80.5	26.19	79.2	25.20	76.2	22.63
		202.0	90.3	31.95	86.1	29.99	82.2	27.53	81.0	26.26	79.6	25.28	76.7	22.69
		404.0	92.4	32.28	88.1	30.31	84.2	27.82	82.8	26.55	81.5	25.56	78.5	22.94
		505.0	93.8	32.28	89.5	30.31	85.5	27.82	84.1	26.55	82.8	25.56	79.7	22.94
		606.0	94.5	32.28	90.2	30.31	86.2	27.82	84.7	26.55	83.5	25.56	80.4	22.94
	5	161.6	126.9	34.21	122.8	32.29	118.9	29.88	116.4	28.49	111.3	27.42	106.0	24.62
		202.0	127.0	34.37	122.7	32.44	118.9	30.03	116.4	28.63	111.3	27.57	106.0	24.74
		404.0	127.5	34.98	122.3	33.06	118.9	30.60	116.4	29.21	111.3	28.14	106.0	25.23
		505.0	128.2	35.19	122.7	33.26	118.9	30.85	116.4	29.41	111.3	28.35	106.0	25.44
		606.0	128.6	35.29	122.9	33.37	118.9	30.97	116.4	29.52	111.3	28.45	106.0	25.54
	10	161.6	127.6	30.21	123.2	28.73	118.9	27.05	116.4	25.94	111.3	24.89	106.0	22.43
		202.0	127.5	30.23	123.1	28.76	118.9	27.08	116.4	25.97	111.3	24.87	106.0	22.45
		404.0	127.3	30.31	122.5	28.88	118.9	27.20	116.4	26.10	111.3	24.78	106.0	22.53
		505.0	128.1	30.23	122.8	28.80	118.9	27.12	116.4	26.01	111.3	24.87	106.0	22.61
		606.0	128.5	30.19	123.0	28.76	118.9	27.08	116.4	25.97	111.3	24.91	106.0	22.65
	15	161.6	128.2	26.16	123.7	25.22	118.9	24.27	116.4	23.44	111.3	22.36	106.0	20.30
		202.0	128.0	26.05	123.4	25.11	118.9	24.17	116.4	23.35	111.3	22.16	106.0	20.20
		404.0	127.1	25.64	122.6	24.70	118.9	23.76	116.4	22.98	111.3	21.38	106.0	19.79
		505.0	128.0	25.28	122.9	24.33	118.9	23.35	116.4	22.57	111.3	21.38	106.0	19.79
		606.0	128.4	25.09	123.1	24.15	118.9	23.14	116.4	22.37	111.3	21.38	106.0	19.79
	20	161.6	129.0	22.08	124.2	21.45	118.9	20.71	116.4	19.88	111.3	19.20	106.0	18.02
		202.0	128.9	22.08	123.9	21.38	118.9	20.61	116.4	19.79	111.3	19.01	106.0	17.82
		404.0	128.4	22.08	122.9	21.14	118.9	20.20	116.4	19.42	111.3	18.23	106.0	17.04
		505.0	128.7	21.71	123.3	20.97	118.9	20.20	116.4	19.42	111.3	18.23	106.0	17.04
		606.0	128.9	21.53	123.5	20.89	118.9	20.20	116.4	19.42	111.3	18.23	106.0	17.04
	25	161.6	131.1	19.30	125.8	18.27	118.9	17.50	116.4	16.63	111.3	15.96	106.0	14.77
		202.0	131.4	19.25	125.8	18.23	118.9	17.41	116.4	16.63	111.3	15.85	106.0	14.67
		404.0	132.7	19.09	125.8	18.07	118.9	17.04	116.4	16.63	111.3	15.44	106.0	14.26
		505.0	133.2	18.60	125.8	17.66	118.9	17.04	116.4	16.22	111.3	15.44	106.0	14.26
		606.0	133.4	18.35	125.8	17.45	118.9	17.04	116.4	16.02	111.3	15.44	106.0	14.26
	30	161.6	133.2	17.50	125.8	16.32	118.9	15.13	116.4	14.77	111.3	13.94	106.0	12.66
		202.0	133.2	17.41	125.8	16.22	118.9	15.03	116.4	14.67	111.3	13.85	106.0	12.66
		404.0	133.2	17.04	125.8	15.85	118.9	14.67	116.4	14.26	111.3	13.48	106.0	12.66
		505.0	133.2	16.63	125.8	15.44	118.9	14.67	116.4	14.26	111.3	13.48	106.0	12.29
		606.0	133.2	16.43	125.8	15.24	118.9	14.67	116.4	14.26	111.3	13.48	106.0	12.10

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	161.6	133.2	15.96	125.8	14.77	118.9	13.58	116.4	13.17	111.3	12.39	106.0	11.56
		202.0	133.2	15.85	125.8	14.67	118.9	13.48	116.4	13.07	111.3	12.29	106.0	11.47
		404.0	133.2	15.44	125.8	14.26	118.9	13.07	116.4	12.66	111.3	11.88	106.0	11.10
		505.0	133.2	15.03	125.8	13.85	118.9	12.66	116.4	12.29	111.3	11.88	106.0	11.10
		606.0	133.2	14.83	125.8	13.64	118.9	12.45	116.4	12.10	111.3	11.88	106.0	11.10
	40	161.6	133.2	14.87	125.8	13.58	118.9	11.98	116.4	11.56	111.3	11.21	106.0	10.38
		202.0	133.2	14.67	125.8	13.48	118.9	11.88	116.4	11.47	111.3	11.10	106.0	10.28
		404.0	133.2	13.85	125.8	13.07	118.9	11.47	116.4	11.10	111.3	10.69	106.0	9.91
		505.0	133.2	13.85	125.8	13.07	118.9	11.47	116.4	11.10	111.3	10.69	106.0	9.91
		606.0	133.2	13.85	125.8	13.07	118.9	11.47	116.4	11.10	111.3	10.69	106.0	9.91
	45	161.6	133.2	13.78	125.8	12.39	118.9	10.38	116.4	10.02	111.3	10.02	106.0	9.19
		202.0	133.2	13.48	125.8	12.29	118.9	10.28	116.4	9.91	111.3	9.91	106.0	9.09
		404.0	133.2	12.29	125.8	11.88	118.9	9.91	116.4	9.50	111.3	9.50	106.0	8.73
		505.0	133.2	12.66	125.8	12.29	118.9	10.28	116.4	9.91	111.3	9.50	106.0	8.73
		606.0	133.2	12.84	125.8	12.50	118.9	10.47	116.4	10.12	111.3	9.50	106.0	8.73
80	-5	161.6	47.5	16.67	44.5	16.03	42.1	15.36	41.6	14.84	41.4	14.15	40.6	13.03
		202.0	49.1	17.04	46.0	16.39	43.6	15.69	43.1	15.16	42.8	14.46	42.0	13.31
		404.0	55.5	18.52	52.1	17.78	49.2	17.00	48.7	16.43	48.5	15.69	47.5	14.42
		505.0	61.4	19.95	57.5	19.17	54.4	18.35	53.8	17.74	53.5	16.92	52.4	15.57
		606.0	64.4	20.67	60.2	19.87	57.0	19.03	56.3	18.40	56.1	17.54	54.9	16.14
	0	161.6	84.8	24.47	78.2	23.48	72.8	22.51	71.4	21.73	70.5	20.71	67.8	19.08
		202.0	85.3	24.54	78.6	23.56	73.2	22.57	71.9	21.79	70.9	20.77	68.2	19.13
		404.0	87.4	24.83	80.5	23.84	74.9	22.82	73.6	22.04	72.6	21.02	69.8	19.34
		505.0	88.6	24.83	81.7	23.84	76.2	22.82	74.7	22.04	73.7	21.02	70.9	19.34
		606.0	89.2	24.83	82.3	23.84	76.8	22.82	75.3	22.04	74.3	21.02	71.4	19.34
	5	161.6	117.3	26.61	110.7	25.60	105.8	24.44	103.5	23.64	99.1	22.54	94.1	20.74
		202.0	117.5	26.75	110.9	25.73	105.8	24.58	103.5	23.76	99.1	22.65	94.1	20.85
		404.0	118.5	27.32	111.7	26.22	106.0	25.11	103.5	24.25	99.1	23.10	94.1	21.30
		505.0	118.5	27.49	111.6	26.42	106.0	25.28	103.5	24.42	99.1	23.27	94.1	21.42
		606.0	118.5	27.57	111.6	26.53	106.0	25.36	103.5	24.50	99.1	23.35	94.1	21.49
	10	161.6	117.9	24.49	111.1	23.38	105.8	22.19	103.5	21.58	99.1	20.43	94.1	18.92
		202.0	118.0	24.46	111.3	23.35	105.8	22.20	103.5	21.59	99.1	20.44	94.1	18.93
		404.0	118.5	24.33	111.7	23.23	106.0	22.24	103.5	21.63	99.1	20.48	94.1	18.97
		505.0	118.5	24.25	111.6	23.31	106.0	22.33	103.5	21.51	99.1	20.36	94.1	18.84
		606.0	118.5	24.21	111.6	23.35	106.0	22.37	103.5	21.44	99.1	20.30	94.1	18.78
	15	161.6	118.5	22.36	111.6	21.17	106.0	19.88	103.5	19.52	99.1	18.33	94.1	17.15
		202.0	118.5	22.16	111.6	20.97	106.0	19.79	103.5	19.42	99.1	18.23	94.1	17.04
		404.0	118.5	21.38	111.6	20.20	106.0	19.42	103.5	19.01	99.1	17.82	94.1	16.63
		505.0	118.5	20.97	111.6	20.20	106.0	19.42	103.5	18.60	99.1	17.41	94.1	16.22
		606.0	118.5	20.77	111.6	20.20	106.0	19.42	103.5	18.39	99.1	17.20	94.1	16.02
	20	161.6	118.5	18.69	111.6	17.92	106.0	17.04	103.5	16.74	99.1	15.96	94.1	14.77
		202.0	118.5	18.60	111.6	17.82	106.0	17.04	103.5	16.63	99.1	15.85	94.1	14.67
		404.0	118.5	18.23	111.6	17.41	106.0	17.04	103.5	16.22	99.1	15.44	94.1	14.26
		505.0	118.5	17.82	111.6	17.04	106.0	16.63	103.5	16.22	99.1	15.03	94.1	14.26
		606.0	118.5	17.61	111.6	16.86	106.0	16.43	103.5	16.22	99.1	14.83	94.1	14.26
	25	161.6	118.5	16.74	111.6	15.55	106.0	14.67	103.5	14.36	99.1	13.58	94.1	12.75
		202.0	118.5	16.63	111.6	15.44	106.0	14.67	103.5	14.26	99.1	13.48	94.1	12.66
		404.0	118.5	16.22	111.6	15.03	106.0	14.67	103.5	13.85	99.1	13.07	94.1	12.29
		505.0	118.5	15.85	111.6	15.03	106.0	14.26	103.5	13.85	99.1	13.07	94.1	12.29
		606.0	118.5	15.67	111.6	15.03	106.0	14.05	103.5	13.85	99.1	13.07	94.1	12.29
	30	161.6	118.5	14.77	111.6	13.94	106.0	13.17	103.5	12.75	99.1	11.98	94.1	11.21
		202.0	118.5	14.67	111.6	13.85	106.0	13.07	103.5	12.66	99.1	11.88	94.1	11.10
		404.0	118.5	14.26	111.6	13.48	106.0	12.66	103.5	12.29	99.1	11.47	94.1	10.69
		505.0	118.5	14.26	111.6	13.48	106.0	12.66	103.5	12.29	99.1	11.47	94.1	10.69
		606.0	118.5	14.26	111.6	13.48	106.0	12.66	103.5	12.29	99.1	11.47	94.1	10.69
	35	161.6	118.5	13.58	111.6	12.75	106.0	11.56	103.5	11.10	99.1	10.80	94.1	9.91
		202.0	118.5	13.48	111.6	12.66	106.0	11.47	103.5	11.10	99.1	10.69	94.1	9.91
		404.0	118.5	13.07	111.6	12.29	106.0	11.10	103.5	11.10	99.1	10.28	94.1	9.91
		505.0	118.5	13.07	111.6	11.88	106.0	11.10	103.5	10.69	99.1	10.28	94.1	9.50
		606.0	118.5	13.07	111.6	11.67	106.0	11.10	103.5	10.49	99.1	10.28	94.1	9.30
	40	161.6	118.5	12.85	111.6	11.56	106.0	10.28	103.5	10.38	99.1	9.50	94.1	9.19
		202.0	118.5	12.66	111.6	11.47	106.0	10.28	103.5	10.28	99.1	9.50	94.1	9.09
		404.0	118.5	11.88	111.6	11.10	106.0	10.28	103.5	9.91	99.1	9.50	94.1	8.73
		505.0	118.5	11.88	111.6	11.10	106.0	9.91	103.5	9.91	99.1	9.50	94.1	8.73
		606.0	118.5	11.88	111.6	11.10	106.0	9.73	103.5	9.91	99.1	9.50	94.1	8.73

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	161.6	118.5	12.18	111.6	10.38	106.0	8.99	103.5	9.70	99.1	8.21	94.1	8.51
		202.0	118.5	11.88	111.6	10.28	106.0	9.09	103.5	9.50	99.1	8.32	94.1	8.32
		404.0	118.5	10.69	111.6	9.91	106.0	9.50	103.5	8.73	99.1	8.73	94.1	7.54
		505.0	118.5	10.69	111.6	10.28	106.0	8.73	103.5	9.09	99.1	8.73	94.1	7.91
		606.0	118.5	10.69	111.6	10.47	106.0	8.33	103.5	9.28	99.1	8.73	94.1	8.09
70	-5	161.6	41.4	14.31	38.9	13.63	36.8	13.19	36.4	12.43	36.2	11.99	35.6	10.90
		202.0	42.8	14.62	40.2	13.93	38.0	13.48	37.7	12.70	37.4	12.25	36.8	11.14
		404.0	48.5	15.85	45.5	15.12	43.0	14.62	42.6	13.76	42.3	13.27	41.6	12.08
		505.0	53.7	17.12	50.3	16.30	47.5	15.77	47.1	14.83	46.8	14.34	45.9	13.03
		606.0	56.3	17.76	52.8	16.90	49.8	16.35	49.4	15.37	49.0	14.87	48.1	13.50
	0	161.6	74.1	20.95	68.5	19.98	63.6	19.31	62.5	18.18	61.5	17.56	59.3	15.98
		202.0	74.6	21.02	68.9	20.03	64.0	19.38	62.9	18.23	61.9	17.62	59.7	16.02
		404.0	76.3	21.26	70.5	20.24	65.5	19.62	64.4	18.43	63.4	17.82	61.0	16.18
		505.0	77.4	21.26	71.6	20.24	66.5	19.62	65.4	18.43	64.4	17.82	62.0	16.18
		606.0	78.0	21.26	72.2	20.24	67.0	19.62	65.8	18.43	64.9	17.82	62.5	16.18
	5	161.6	102.4	22.83	97.0	21.72	92.4	21.02	90.5	19.82	86.4	19.11	82.3	17.36
		202.0	102.6	22.94	97.2	21.83	92.4	21.14	90.5	19.91	86.4	19.21	82.3	17.45
		404.0	103.5	23.39	98.0	22.29	92.5	21.59	90.5	20.28	86.4	19.62	82.3	17.82
		505.0	103.5	23.56	97.8	22.45	92.5	21.75	90.5	20.44	86.4	19.75	82.3	17.94
		606.0	103.5	23.64	97.8	22.53	92.5	21.84	90.5	20.52	86.4	19.81	82.3	18.00
	10	161.6	102.9	21.02	97.4	19.87	92.5	19.13	90.5	18.07	86.4	17.33	82.3	15.85
		202.0	103.0	20.97	97.5	19.83	92.5	19.09	90.5	18.07	86.4	17.33	82.3	15.85
		404.0	103.5	20.81	97.8	19.66	92.5	18.93	90.5	18.07	86.4	17.33	82.3	15.85
		505.0	103.5	20.89	97.8	19.75	92.5	19.01	90.5	18.15	86.4	17.21	82.3	15.89
		606.0	103.5	20.93	97.8	19.79	92.5	19.05	90.5	18.19	86.4	17.14	82.3	15.92
	15	161.6	103.5	19.20	97.8	18.02	92.5	17.25	90.5	16.32	86.4	15.55	82.3	14.36
		202.0	103.5	19.01	97.8	17.82	92.5	17.04	90.5	16.22	86.4	15.44	82.3	14.26
		404.0	103.5	18.23	97.8	17.04	92.5	16.22	90.5	15.85	86.4	15.03	82.3	13.85
		505.0	103.5	18.23	97.8	17.04	92.5	16.22	90.5	15.85	86.4	14.67	82.3	13.85
		606.0	103.5	18.23	97.8	17.04	92.5	16.22	90.5	15.85	86.4	14.48	82.3	13.85
	20	161.6	103.5	15.96	97.8	15.13	92.5	14.77	90.5	14.36	86.4	13.58	82.3	12.75
		202.0	103.5	15.85	97.8	15.03	92.5	14.67	90.5	14.26	86.4	13.48	82.3	12.66
		404.0	103.5	15.44	97.8	14.67	92.5	14.26	90.5	13.85	86.4	13.07	82.3	12.29
		505.0	103.5	15.44	97.8	14.67	92.5	14.26	90.5	13.48	86.4	13.07	82.3	11.88
		606.0	103.5	15.44	97.8	14.67	92.5	14.26	90.5	13.29	86.4	13.07	82.3	11.67
	25	161.6	103.5	14.36	97.8	13.58	92.5	12.75	90.5	12.39	86.4	11.47	82.3	10.69
		202.0	103.5	14.26	97.8	13.48	92.5	12.66	90.5	12.29	86.4	11.47	82.3	10.69
		404.0	103.5	13.85	97.8	13.07	92.5	12.29	90.5	11.88	86.4	11.47	82.3	10.69
		505.0	103.5	13.48	97.8	12.66	92.5	12.29	90.5	11.88	86.4	11.10	82.3	10.69
		606.0	103.5	13.29	97.8	12.45	92.5	12.29	90.5	11.88	86.4	10.92	82.3	10.69
	30	161.6	103.5	12.75	97.8	11.98	92.5	11.21	90.5	10.69	86.4	10.38	82.3	9.50
		202.0	103.5	12.66	97.8	11.88	92.5	11.10	90.5	10.69	86.4	10.28	82.3	9.50
		404.0	103.5	12.29	97.8	11.47	92.5	10.69	90.5	10.69	86.4	9.91	82.3	9.50
		505.0	103.5	12.29	97.8	11.47	92.5	10.69	90.5	10.28	86.4	9.91	82.3	9.50
		606.0	103.5	12.29	97.8	11.47	92.5	10.69	90.5	10.08	86.4	9.91	82.3	9.50
	35	161.6	103.5	11.56	97.8	10.80	92.5	9.91	90.5	10.02	86.4	9.09	82.3	8.83
		202.0	103.5	11.47	97.8	10.69	92.5	9.91	90.5	9.91	86.4	9.09	82.3	8.73
		404.0	103.5	11.10	97.8	10.28	92.5	9.91	90.5	9.50	86.4	9.09	82.3	8.32
		505.0	103.5	11.10	97.8	10.28	92.5	9.50	90.5	9.50	86.4	9.09	82.3	8.32
		606.0	103.5	11.10	97.8	10.28	92.5	9.30	90.5	9.50	86.4	9.09	82.3	8.32
	40	161.6	103.5	10.80	97.8	10.02	92.5	9.19	90.5	8.73	86.4	8.32	82.3	8.00
		202.0	103.5	10.69	97.8	9.91	92.5	9.09	90.5	8.73	86.4	8.32	82.3	7.91
		404.0	103.5	10.28	97.8	9.50	92.5	8.73	90.5	8.73	86.4	8.32	82.3	7.54
		505.0	103.5	10.28	97.8	9.50	92.5	8.73	90.5	8.32	86.4	7.91	82.3	7.54
		606.0	103.5	10.28	97.8	9.50	92.5	8.73	90.5	8.11	86.4	7.70	82.3	7.54
	45	161.6	103.5	10.02	97.8	9.19	92.5	8.51	90.5	7.44	86.4	7.54	82.3	7.23
		202.0	103.5	9.91	97.8	9.09	92.5	8.32	90.5	7.54	86.4	7.54	82.3	7.13
		404.0	103.5	9.50	97.8	8.73	92.5	7.54	90.5	7.91	86.4	7.54	82.3	6.72
		505.0	103.5	9.50	97.8	8.73	92.5	7.91	90.5	7.13	86.4	6.72	82.3	6.72
		606.0	103.5	9.50	97.8	8.73	92.5	8.09	90.5	6.74	86.4	6.31	82.3	6.72
60	-5	161.6	35.6	11.62	33.3	11.18	31.5	10.74	31.2	9.98	31.0	9.82	30.4	8.77
		202.0	36.8	11.88	34.5	11.43	32.6	10.98	32.2	10.20	32.1	10.04	31.5	8.97
		404.0	41.7	12.90	39.0	12.41	36.9	11.92	36.6	11.06	36.4	10.90	35.7	9.75
		505.0	46.0	13.89	43.1	13.40	40.9	12.86	40.4	11.96	40.2	11.76	39.4	10.49
		606.0	48.2	14.38	45.1	13.89	42.8	13.34	42.3	12.42	42.2	12.19	41.2	10.86

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	161.6	63.6	17.03	58.6	16.43	54.7	15.72	53.6	14.62	52.9	14.42	50.9	12.87
		202.0	64.0	17.08	59.0	16.47	55.0	15.77	53.9	14.67	53.2	14.46	51.2	12.90
		404.0	65.5	17.29	60.3	16.63	56.4	15.98	55.1	14.83	54.4	14.62	52.3	13.03
		505.0	66.5	17.29	61.3	16.63	57.2	15.98	56.0	14.83	55.3	14.62	53.2	13.03
		606.0	67.0	17.29	61.8	16.63	57.7	15.98	56.4	14.83	55.7	14.62	53.6	13.03
	5	161.6	87.9	18.55	82.9	17.85	79.5	17.11	77.5	15.93	74.2	15.69	70.6	13.98
		202.0	88.1	18.64	83.1	17.94	79.5	17.21	77.5	16.02	74.2	15.77	70.6	14.05
		404.0	88.9	19.01	83.7	18.31	79.5	17.57	77.5	16.35	74.2	16.10	70.6	14.34
		505.0	88.9	19.17	83.6	18.43	79.5	17.70	77.5	16.47	74.2	16.18	70.6	14.46
		606.0	88.9	19.25	83.5	18.50	79.5	17.76	77.5	16.53	74.2	16.22	70.6	14.52
	10	161.6	88.4	17.04	83.2	16.30	79.5	15.53	77.5	14.50	74.2	14.23	70.6	12.75
		202.0	88.5	17.04	83.3	16.30	79.5	15.53	77.5	14.54	74.2	14.22	70.6	12.78
		404.0	88.9	17.04	83.7	16.30	79.5	15.53	77.5	14.71	74.2	14.17	70.6	12.90
		505.0	88.9	17.08	83.6	16.14	79.5	15.36	77.5	14.54	74.2	14.05	70.6	12.78
		606.0	88.9	17.10	83.5	16.06	79.5	15.28	77.5	14.46	74.2	13.99	70.6	12.72
	15	161.6	88.9	15.55	83.6	14.77	79.5	13.94	77.5	13.07	74.2	12.75	70.6	11.47
		202.0	88.9	15.44	83.6	14.67	79.5	13.85	77.5	13.07	74.2	12.66	70.6	11.47
		404.0	88.9	15.03	83.6	14.26	79.5	13.48	77.5	13.07	74.2	12.29	70.6	11.47
		505.0	88.9	15.03	83.6	13.85	79.5	13.07	77.5	12.66	74.2	11.88	70.6	11.10
		606.0	88.9	15.03	83.6	13.64	79.5	12.86	77.5	12.45	74.2	11.67	70.6	10.92
	20	161.6	88.9	13.58	83.6	12.75	79.5	11.98	77.5	11.56	74.2	11.21	70.6	10.38
		202.0	88.9	13.48	83.6	12.66	79.5	11.88	77.5	11.47	74.2	11.10	70.6	10.28
		404.0	88.9	13.07	83.6	12.29	79.5	11.47	77.5	11.10	74.2	10.69	70.6	9.91
		505.0	88.9	13.07	83.6	12.29	79.5	11.47	77.5	11.10	74.2	10.69	70.6	9.91
		606.0	88.9	13.07	83.6	12.29	79.5	11.47	77.5	11.10	74.2	10.69	70.6	9.91
	25	161.6	88.9	11.98	83.6	11.21	79.5	10.28	77.5	10.38	74.2	9.50	70.6	9.19
		202.0	88.9	11.88	83.6	11.10	79.5	10.28	77.5	10.28	74.2	9.50	70.6	9.09
		404.0	88.9	11.47	83.6	10.69	79.5	10.28	77.5	9.91	74.2	9.50	70.6	8.73
		505.0	88.9	11.47	83.6	10.69	79.5	9.91	77.5	9.91	74.2	9.50	70.6	8.73
		606.0	88.9	11.47	83.6	10.69	79.5	9.73	77.5	9.91	74.2	9.50	70.6	8.73
	30	161.6	88.9	10.80	83.6	10.02	79.5	9.61	77.5	9.19	74.2	8.83	70.6	8.42
		202.0	88.9	10.69	83.6	9.91	79.5	9.50	77.5	9.09	74.2	8.73	70.6	8.32
		404.0	88.9	10.28	83.6	9.50	79.5	9.09	77.5	8.73	74.2	8.32	70.6	7.91
		505.0	88.9	10.28	83.6	9.50	79.5	9.09	77.5	8.73	74.2	8.32	70.6	7.91
		606.0	88.9	10.28	83.6	9.50	79.5	9.09	77.5	8.73	74.2	8.32	70.6	7.91
	35	161.6	88.9	9.50	83.6	9.19	79.5	8.32	77.5	8.42	74.2	8.00	70.6	7.64
		202.0	88.9	9.50	83.6	9.09	79.5	8.32	77.5	8.32	74.2	7.91	70.6	7.54
		404.0	88.9	9.50	83.6	8.73	79.5	8.32	77.5	7.91	74.2	7.54	70.6	7.13
		505.0	88.9	9.50	83.6	8.73	79.5	7.91	77.5	7.91	74.2	7.54	70.6	7.13
		606.0	88.9	9.50	83.6	8.73	79.5	7.70	77.5	7.91	74.2	7.54	70.6	7.13
	40	161.6	88.9	8.73	83.6	8.42	79.5	7.54	77.5	7.64	74.2	7.23	70.6	6.72
		202.0	88.9	8.73	83.6	8.32	79.5	7.54	77.5	7.54	74.2	7.13	70.6	6.72
		404.0	88.9	8.73	83.6	7.91	79.5	7.54	77.5	7.13	74.2	6.72	70.6	6.72
		505.0	88.9	8.73	83.6	7.91	79.5	7.54	77.5	7.13	74.2	6.72	70.6	6.72
		606.0	88.9	8.73	83.6	7.91	79.5	7.54	77.5	7.13	74.2	6.72	70.6	6.72
	45	161.6	88.9	7.91	83.6	7.64	79.5	6.72	77.5	6.81	74.2	6.45	70.6	5.84
		202.0	88.9	7.91	83.6	7.54	79.5	6.72	77.5	6.72	74.2	6.35	70.6	5.94
		404.0	88.9	7.91	83.6	7.13	79.5	6.72	77.5	6.35	74.2	5.94	70.6	6.35
		505.0	88.9	7.91	83.6	7.13	79.5	7.13	77.5	6.35	74.2	5.94	70.6	6.35
		606.0	88.9	7.91	83.6	7.13	79.5	7.33	77.5	6.35	74.2	5.94	70.6	6.35
50	-5	161.6	29.6	9.27	27.9	8.77	26.3	8.30	25.9	7.85	25.8	7.37	25.3	6.98
		202.0	30.6	9.46	28.8	8.97	27.2	8.48	26.8	8.03	26.7	7.54	26.2	7.13
		404.0	34.6	10.24	32.5	9.75	30.8	9.18	30.4	8.73	30.3	8.19	29.7	7.70
		505.0	38.3	11.06	35.9	10.49	34.0	9.91	33.6	9.42	33.4	8.81	32.9	8.32
		606.0	40.1	11.47	37.7	10.86	35.6	10.29	35.2	9.77	34.9	9.12	34.5	8.63
	0	161.6	52.9	13.57	48.9	12.87	45.5	12.13	44.5	11.51	43.9	10.82	42.3	10.21
		202.0	53.2	13.60	49.2	12.90	45.8	12.17	44.8	11.55	44.2	10.86	42.6	10.24
		404.0	54.4	13.72	50.3	13.03	46.9	12.33	45.9	11.72	45.3	10.98	43.6	10.36
		505.0	55.3	13.72	51.1	13.03	47.5	12.33	46.6	11.72	45.9	10.98	44.3	10.36
		606.0	55.7	13.72	51.4	13.03	47.8	12.33	47.0	11.72	46.2	10.98	44.7	10.36
	5	161.6	73.1	14.76	69.3	13.98	66.1	13.20	64.5	12.56	61.7	11.79	58.8	11.08
		202.0	73.2	14.83	69.4	14.05	66.1	13.27	64.5	12.62	61.7	11.84	58.8	11.14
		404.0	73.8	15.12	69.9	14.34	66.2	13.56	64.5	12.86	61.7	12.04	58.8	11.39
		505.0	73.8	15.24	69.8	14.46	66.2	13.64	64.5	12.95	61.7	12.17	58.8	11.47
		606.0	73.8	15.30	69.7	14.52	66.2	13.68	64.5	12.99	61.7	12.23	58.8	11.51

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.

2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(42HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	161.6	73.5	13.58	69.4	12.79	66.1	12.02	64.5	11.49	61.7	10.62	58.8	10.14
		202.0	73.6	13.56	69.5	12.78	66.1	12.00	64.5	11.47	61.7	10.65	58.8	10.12
		404.0	73.8	13.48	69.9	12.74	66.2	11.92	64.5	11.39	61.7	10.77	58.8	10.04
		505.0	73.8	13.56	69.8	12.78	66.2	11.96	64.5	11.43	61.7	10.61	58.8	10.08
		606.0	73.8	13.60	69.7	12.80	66.2	11.98	64.5	11.45	61.7	10.53	58.8	10.10
	15	161.6	73.8	12.39	69.8	11.56	66.2	10.80	64.5	10.38	61.7	9.50	58.8	9.19
		202.0	73.8	12.29	69.8	11.47	66.2	10.69	64.5	10.28	61.7	9.50	58.8	9.09
		404.0	73.8	11.88	69.8	11.10	66.2	10.28	64.5	9.91	61.7	9.50	58.8	8.73
		505.0	73.8	11.88	69.8	11.10	66.2	10.28	64.5	9.91	61.7	9.09	58.8	8.73
		606.0	73.8	11.88	69.8	11.10	66.2	10.28	64.5	9.91	61.7	8.89	58.8	8.73
	20	161.6	73.8	10.80	69.8	10.02	66.2	9.61	64.5	9.19	61.7	8.83	58.8	7.91
		202.0	73.8	10.69	69.8	9.91	66.2	9.50	64.5	9.09	61.7	8.73	58.8	7.91
		404.0	73.8	10.28	69.8	9.50	66.2	9.09	64.5	8.73	61.7	8.32	58.8	7.91
		505.0	73.8	10.28	69.8	9.50	66.2	9.09	64.5	8.73	61.7	8.32	58.8	7.91
		606.0	73.8	10.28	69.8	9.50	66.2	9.09	64.5	8.73	61.7	8.32	58.8	7.91
	25	161.6	73.8	9.61	69.8	8.73	66.2	8.42	64.5	7.91	61.7	7.54	58.8	7.13
		202.0	73.8	9.50	69.8	8.73	66.2	8.32	64.5	7.91	61.7	7.54	58.8	7.13
		404.0	73.8	9.09	69.8	8.73	66.2	7.91	64.5	7.91	61.7	7.54	58.8	7.13
		505.0	73.8	9.09	69.8	8.73	66.2	7.91	64.5	7.91	61.7	7.54	58.8	7.13
		606.0	73.8	9.09	69.8	8.73	66.2	7.91	64.5	7.91	61.7	7.54	58.8	7.13
	30	161.6	73.8	8.83	69.8	8.00	66.2	7.64	64.5	7.13	61.7	7.23	58.8	6.81
		202.0	73.8	8.73	69.8	7.91	66.2	7.54	64.5	7.13	61.7	7.13	58.8	6.72
		404.0	73.8	8.32	69.8	7.54	66.2	7.13	64.5	7.13	61.7	6.72	58.8	6.35
		505.0	73.8	8.32	69.8	7.54	66.2	7.13	64.5	7.13	61.7	6.72	58.8	6.35
		606.0	73.8	8.32	69.8	7.54	66.2	7.13	64.5	7.13	61.7	6.72	58.8	6.35
	35	161.6	73.8	8.00	69.8	7.13	66.2	6.72	64.5	6.81	61.7	6.35	58.8	5.94
		202.0	73.8	7.91	69.8	7.13	66.2	6.72	64.5	6.72	61.7	6.35	58.8	5.94
		404.0	73.8	7.54	69.8	7.13	66.2	6.72	64.5	6.35	61.7	6.35	58.8	5.94
		505.0	73.8	7.54	69.8	7.13	66.2	6.72	64.5	6.35	61.7	6.35	58.8	5.94
		606.0	73.8	7.54	69.8	7.13	66.2	6.72	64.5	6.35	61.7	6.35	58.8	5.94
	40	161.6	73.8	7.23	69.8	6.81	66.2	6.45	64.5	5.94	61.7	6.04	58.8	5.53
		202.0	73.8	7.13	69.8	6.72	66.2	6.35	64.5	5.94	61.7	5.94	58.8	5.53
		404.0	73.8	6.72	69.8	6.35	66.2	5.94	64.5	5.94	61.7	5.53	58.8	5.53
		505.0	73.8	6.72	69.8	6.35	66.2	5.94	64.5	5.94	61.7	5.53	58.8	5.53
		606.0	73.8	6.72	69.8	6.35	66.2	5.94	64.5	5.94	61.7	5.53	58.8	5.53
	45	161.6	73.8	6.45	69.8	6.56	66.2	6.14	64.5	5.07	61.7	5.73	58.8	5.16
		202.0	73.8	6.35	69.8	6.35	66.2	5.94	64.5	5.16	61.7	5.53	58.8	5.16
		404.0	73.8	5.94	69.8	5.53	66.2	5.16	64.5	5.53	61.7	4.75	58.8	5.16
		505.0	73.8	5.94	69.8	5.53	66.2	5.16	64.5	5.53	61.7	4.75	58.8	5.16
		606.0	73.8	5.94	69.8	5.53	66.2	5.16	64.5	5.53	61.7	4.75	58.8	5.16

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(44HP)

ARWN440LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	169.6	65.6	26.36	65.1	24.82	64.7	23.10	63.8	22.42	64.6	21.83	62.8	19.58
		212.0	67.8	26.82	67.3	25.30	66.9	23.61	66.0	22.91	66.8	22.31	65.0	20.01
		424.0	76.7	28.64	76.1	27.21	75.7	25.60	74.7	24.87	75.6	24.17	73.6	21.70
		530.0	84.8	30.46	84.1	29.08	83.5	27.60	82.5	26.86	83.5	26.08	81.4	23.39
		636.0	88.9	31.38	88.1	30.02	87.5	28.61	86.5	27.87	87.6	27.04	85.3	24.24
	0	169.6	117.1	36.05	114.5	34.98	112.0	33.84	109.6	32.88	110.0	31.98	104.9	28.64
		212.0	117.8	36.15	115.1	35.06	112.7	33.94	110.2	32.98	110.6	32.07	105.6	28.73
		424.0	120.7	36.54	117.7	35.41	115.3	34.33	112.8	33.37	113.2	32.42	108.2	29.08
		530.0	122.5	36.54	119.5	35.41	117.1	34.33	114.5	33.37	114.9	32.42	109.7	29.08
		636.0	123.4	36.54	120.4	35.41	118.0	34.33	115.3	33.37	115.7	32.42	110.5	29.08
	5	169.6	168.7	38.75	166.2	37.80	162.7	36.83	158.6	35.79	154.3	34.80	145.8	31.17
		212.0	169.3	38.93	166.4	37.97	162.7	37.02	158.6	35.98	154.3	34.98	145.8	31.33
		424.0	171.6	39.62	167.6	38.67	162.8	37.76	158.6	36.71	154.3	35.67	145.8	31.98
		530.0	172.6	39.88	168.1	38.93	162.8	38.02	158.6	36.97	154.3	35.93	145.8	32.20
		636.0	173.2	40.01	168.4	39.06	162.8	38.15	158.6	37.11	154.3	36.06	145.8	32.31
	10	169.6	168.9	35.26	166.2	34.08	162.2	33.44	157.9	32.69	153.7	31.57	145.2	28.49
		212.0	169.9	35.19	167.0	34.11	162.8	33.50	158.6	32.68	154.3	31.55	145.8	28.47
		424.0	173.9	34.93	170.1	34.24	165.4	33.76	161.2	32.63	156.7	31.46	148.1	28.38
		530.0	174.8	35.41	171.2	34.72	166.4	33.89	161.9	32.76	157.7	31.98	149.0	29.73
		636.0	175.3	35.65	171.8	34.96	167.0	33.96	162.3	32.83	158.2	32.25	149.5	30.40
	15	169.6	169.2	31.78	166.2	30.42	161.5	30.10	157.3	29.60	153.2	28.34	144.6	25.82
		212.0	170.6	31.46	167.5	30.29	162.8	30.03	158.6	29.38	154.3	28.12	145.8	25.60
		424.0	176.1	30.20	172.5	29.77	168.0	29.77	163.7	28.51	159.0	27.25	150.5	24.74
		530.0	177.0	30.94	174.2	30.46	170.1	29.77	165.4	28.51	161.2	28.03	152.3	27.25
		636.0	177.5	31.31	175.0	30.81	171.1	29.77	166.3	28.51	162.3	28.43	153.2	28.52
	20	169.6	175.6	29.15	172.4	27.80	167.9	27.19	163.2	26.32	158.5	25.73	149.1	24.94
		212.0	177.0	28.95	173.8	27.77	169.2	27.17	164.5	26.43	159.9	25.91	150.5	24.74
		424.0	182.6	28.12	179.3	27.69	174.3	27.08	169.7	26.86	165.4	26.60	156.0	23.91
		530.0	183.3	28.12	180.6	27.69	176.4	27.25	171.3	26.86	166.7	26.60	157.3	25.43
		636.0	183.7	28.12	181.3	27.69	177.4	27.34	172.2	26.86	167.4	26.60	157.9	26.20
	25	169.6	185.4	27.80	180.6	26.99	176.4	26.54	173.0	26.09	169.2	25.71	159.5	24.02
		212.0	185.4	27.69	180.6	26.95	176.4	26.43	173.0	25.99	169.2	25.60	159.5	23.91
		424.0	185.4	27.25	180.6	26.78	176.4	25.99	173.0	25.60	169.2	25.17	159.5	23.48
		530.0	185.4	26.86	180.6	26.08	176.4	25.60	173.0	25.17	169.2	24.74	159.5	23.09
		636.0	185.4	26.67	180.6	25.73	176.4	25.41	173.0	24.95	169.2	24.52	159.5	22.89
	30	169.6	185.4	27.08	180.6	25.73	176.4	25.50	173.0	24.83	169.2	24.56	159.5	22.86
		212.0	185.4	26.86	180.6	25.69	176.4	25.34	173.0	24.74	169.2	24.35	159.5	22.65
		424.0	185.4	25.99	180.6	25.52	176.4	24.74	173.0	24.35	169.2	23.48	159.5	21.83
		530.0	185.4	25.60	180.6	24.82	176.4	24.35	173.0	23.91	169.2	23.48	159.5	21.83
		636.0	185.4	25.41	180.6	24.47	176.4	24.15	173.0	23.69	169.2	23.48	159.5	21.83
	35	169.6	185.4	25.82	180.6	24.97	176.4	24.46	173.0	23.58	169.2	22.76	159.5	21.17
		212.0	185.4	25.60	180.6	24.82	176.4	24.35	173.0	23.48	169.2	22.65	159.5	20.96
		424.0	185.4	24.74	180.6	24.26	176.4	23.91	173.0	23.09	169.2	22.22	159.5	20.14
		530.0	185.4	24.74	180.6	24.00	176.4	23.48	173.0	22.65	169.2	21.83	159.5	20.14
		636.0	185.4	24.74	180.6	23.87	176.4	23.26	173.0	22.43	169.2	21.63	159.5	20.14
	40	169.6	185.4	24.94	180.6	24.15	176.4	23.69	173.0	22.86	169.2	22.05	159.5	19.91
		212.0	185.4	24.74	180.6	24.00	176.4	23.48	173.0	22.65	169.2	21.83	159.5	19.70
		424.0	185.4	23.91	180.6	23.39	176.4	22.65	173.0	21.83	169.2	20.96	159.5	18.88
		530.0	185.4	23.48	180.6	23.00	176.4	22.65	173.0	21.83	169.2	20.96	159.5	18.88
		636.0	185.4	23.26	180.6	22.80	176.4	22.65	173.0	21.83	169.2	20.96	159.5	18.88
	45	169.6	185.4	24.12	180.6	23.33	176.4	22.97	173.0	22.15	169.2	21.28	159.5	18.65
		212.0	185.4	23.91	180.6	23.17	176.4	22.65	173.0	21.83	169.2	20.96	159.5	18.44
		424.0	185.4	23.09	180.6	22.57	176.4	21.39	173.0	20.57	169.2	19.70	159.5	17.62
		530.0	185.4	22.22	180.6	22.00	176.4	21.83	173.0	20.96	169.2	20.14	159.5	17.62
		636.0	185.4	21.78	180.6	21.72	176.4	22.05	173.0	21.16	169.2	20.35	159.5	17.62
120	-5	169.6	62.3	26.36	61.8	24.82	61.4	23.10	60.7	22.13	61.2	21.49	59.6	19.23
		212.0	64.5	26.82	63.9	25.30	63.6	23.61	62.8	22.61	63.3	21.96	61.6	19.66
		424.0	73.0	28.64	72.3	27.21	71.9	25.60	71.0	24.52	71.7	23.82	69.8	21.35
		530.0	80.6	30.46	79.9	29.08	79.4	27.60	78.5	26.47	79.2	25.69	77.0	23.00
		636.0	84.4	31.38	83.8	30.02	83.2	28.61	82.3	27.46	82.9	26.63	80.6	23.83
	0	169.6	111.4	36.05	108.7	34.98	106.4	33.84	104.2	32.41	104.2	31.50	99.4	28.16
		212.0	112.0	36.15	109.3	35.06	107.0	33.94	104.8	32.50	104.8	31.59	100.0	28.25
		424.0	114.6	36.54	111.9	35.41	109.6	34.33	107.3	32.89	107.3	31.94	102.5	28.60
		530.0	116.4	36.54	113.7	35.41	111.3	34.33	108.9	32.89	108.8	31.94	104.0	28.60
		636.0	117.3	36.54	114.6	35.41	112.1	34.33	109.8	32.89	109.6	31.94	104.8	28.60

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	169.6	160.6	38.75	158.2	37.80	154.7	36.83	151.0	35.27	146.2	34.28	138.2	30.70
		212.0	161.2	38.93	158.5	37.97	154.7	37.02	151.0	35.45	146.2	34.46	138.2	30.85
		424.0	163.5	39.62	159.6	38.67	154.7	37.76	151.0	36.19	146.2	35.15	138.2	31.46
		530.0	164.4	39.88	158.7	38.93	154.7	38.02	151.0	36.45	146.2	35.41	138.2	31.68
		636.0	164.8	40.01	158.3	39.06	154.7	38.15	151.0	36.58	146.2	35.54	138.2	31.79
	10	169.6	161.2	34.81	158.2	33.85	154.3	33.16	150.6	32.16	145.8	31.09	137.9	27.96
		212.0	161.9	34.93	158.8	33.98	154.7	33.29	151.0	32.20	146.2	31.07	138.2	27.99
		424.0	164.9	35.41	161.4	34.50	156.4	33.76	152.7	32.37	147.8	30.99	139.6	28.12
		530.0	165.8	35.28	160.9	34.50	157.0	33.89	153.3	32.50	148.4	31.12	140.3	29.08
		636.0	166.3	35.22	160.6	34.50	157.4	33.96	153.6	32.57	148.7	31.18	140.6	29.56
	15	169.6	161.6	30.88	158.4	29.96	153.8	29.50	150.1	29.06	145.5	27.90	137.5	25.28
		212.0	162.6	30.94	159.4	30.03	154.7	29.55	151.0	28.95	146.2	27.69	138.2	25.17
		424.0	166.3	31.20	163.2	30.29	158.2	29.77	154.3	28.51	149.2	26.86	141.2	24.74
		530.0	167.2	30.72	163.1	30.03	159.5	29.77	155.6	28.51	150.5	26.86	142.5	26.43
		636.0	167.7	30.48	163.0	29.90	160.1	29.77	156.3	28.51	151.1	26.86	143.1	27.28
	20	169.6	166.1	27.77	163.0	26.59	158.1	25.88	153.7	25.51	148.7	25.19	140.7	23.91
		212.0	167.2	27.77	164.0	26.69	159.0	25.99	154.7	25.60	149.7	25.17	141.6	23.82
		424.0	171.5	27.77	167.9	27.08	162.5	26.43	158.6	25.99	153.4	25.08	144.9	23.48
		530.0	172.3	27.51	167.7	26.86	163.7	26.43	159.5	25.99	154.3	25.17	145.8	24.35
		636.0	172.6	27.38	167.7	26.75	164.4	26.43	159.9	25.99	154.8	25.21	146.3	24.78
	25	169.6	174.2	26.27	169.2	25.04	163.7	24.56	160.3	24.02	156.0	23.58	147.5	21.94
		212.0	174.3	26.17	169.2	25.00	163.7	24.52	160.3	23.91	156.0	23.48	147.5	21.83
		424.0	174.7	25.78	169.2	24.82	163.7	24.35	160.3	23.48	156.0	23.09	147.5	21.39
		530.0	175.2	24.82	169.2	24.17	163.7	23.91	160.3	23.48	156.0	22.65	147.5	21.39
		636.0	175.5	24.34	169.2	23.84	163.7	23.69	160.3	23.48	156.0	22.43	147.5	21.39
	30	169.6	175.2	25.12	169.2	23.88	163.7	23.20	160.3	22.32	156.0	22.05	147.5	20.25
		212.0	175.2	24.91	169.2	23.74	163.7	23.09	160.3	22.22	156.0	21.83	147.5	20.14
		424.0	175.2	24.09	169.2	23.17	163.7	22.65	160.3	21.83	156.0	20.96	147.5	19.70
		530.0	175.2	23.30	169.2	22.65	163.7	22.22	160.3	21.83	156.0	20.96	147.5	19.31
		636.0	175.2	22.91	169.2	22.39	163.7	22.00	160.3	21.83	156.0	20.96	147.5	19.11
	35	169.6	175.2	23.99	169.2	22.69	163.7	22.05	160.3	21.17	156.0	20.34	147.5	18.54
		212.0	175.2	23.65	169.2	22.48	163.7	21.83	160.3	20.96	156.0	20.14	147.5	18.44
		424.0	175.2	22.31	169.2	21.65	163.7	20.96	160.3	20.14	156.0	19.31	147.5	18.05
		530.0	175.2	22.05	169.2	21.48	163.7	20.96	160.3	20.14	156.0	19.31	147.5	17.62
		636.0	175.2	21.91	169.2	21.39	163.7	20.96	160.3	20.14	156.0	19.31	147.5	17.40
	40	169.6	175.2	23.28	169.2	21.65	163.7	20.79	160.3	19.91	156.0	19.09	147.5	17.28
		212.0	175.2	22.83	169.2	21.39	163.7	20.57	160.3	19.70	156.0	18.88	147.5	17.19
		424.0	175.2	21.05	169.2	20.40	163.7	19.70	160.3	18.88	156.0	18.05	147.5	16.79
		530.0	175.2	20.79	169.2	20.14	163.7	19.70	160.3	18.88	156.0	18.05	147.5	16.36
		636.0	175.2	20.66	169.2	20.00	163.7	19.70	160.3	18.88	156.0	18.05	147.5	16.14
	45	169.6	175.2	22.56	169.2	20.61	163.7	19.53	160.3	18.65	156.0	17.83	147.5	16.03
		212.0	175.2	22.00	169.2	20.31	163.7	19.31	160.3	18.44	156.0	17.62	147.5	15.93
		424.0	175.2	19.79	169.2	19.14	163.7	18.44	160.3	17.62	156.0	16.79	147.5	15.54
		530.0	175.2	19.53	169.2	18.79	163.7	18.44	160.3	17.62	156.0	16.79	147.5	15.10
		636.0	175.2	19.40	169.2	18.62	163.7	18.44	160.3	17.62	156.0	16.79	147.5	14.88
110	-5	169.6	59.0	26.71	58.6	24.82	58.2	23.10	57.6	22.13	57.7	21.49	56.5	19.23
		212.0	61.0	27.17	60.6	25.30	60.2	23.61	59.6	22.61	59.7	21.96	58.4	19.66
		424.0	69.0	28.99	68.6	27.21	68.2	25.60	67.4	24.52	67.4	23.82	66.1	21.35
		530.0	76.2	30.85	75.7	29.08	75.3	27.60	74.5	26.47	74.5	25.69	73.0	23.00
		636.0	79.8	31.80	79.3	30.02	78.9	28.61	78.1	27.46	78.1	26.63	76.4	23.83
	0	169.6	105.4	36.54	103.0	34.98	100.9	33.84	98.9	32.41	98.0	31.50	94.3	28.16
		212.0	106.0	36.63	103.7	35.06	101.5	33.94	99.5	32.50	98.6	31.59	94.9	28.25
		424.0	108.4	36.97	106.1	35.41	103.8	34.33	101.9	32.89	101.0	31.94	97.1	28.60
		530.0	110.1	36.97	107.8	35.41	105.5	34.33	103.4	32.89	102.5	31.94	98.5	28.60
		636.0	111.0	36.97	108.6	35.41	106.3	34.33	104.2	32.89	103.3	31.94	99.2	28.60
	5	169.6	153.7	39.27	150.0	37.80	146.6	36.83	143.2	35.27	137.7	34.28	131.0	30.70
		212.0	154.2	39.45	150.3	37.97	146.6	37.02	143.2	35.45	137.7	34.46	131.0	30.85
		424.0	156.3	40.14	151.5	38.67	146.7	37.76	143.2	36.19	137.7	35.15	131.0	31.46
		530.0	157.2	40.40	151.9	38.93	146.7	38.02	143.2	36.45	137.7	35.41	131.0	31.68
		636.0	157.6	40.53	152.1	39.06	146.7	38.15	143.2	36.58	137.7	35.54	131.0	31.79
	10	169.6	154.3	35.22	150.5	34.01	146.4	33.27	143.0	32.16	137.5	31.09	130.8	27.96
		212.0	154.8	35.28	150.8	34.11	146.6	33.37	143.2	32.20	137.7	31.07	131.0	27.99
		424.0	157.2	35.54	152.4	34.50	147.5	33.76	144.1	32.37	138.6	30.99	131.6	28.12
		530.0	158.1	35.54	153.0	34.50	148.0	33.68	144.4	32.29	138.9	31.12	132.0	28.42
		636.0	158.5	35.54	153.4	34.50	148.3	33.63	144.5	32.24	139.0	31.18	132.2	28.58

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	169.6	154.7	31.16	150.7	30.29	146.3	29.77	142.8	29.06	137.2	27.90	130.7	25.28
		212.0	155.4	31.12	151.2	30.29	146.7	29.77	143.2	28.95	137.7	27.69	131.0	25.17
		424.0	157.9	30.94	153.4	30.29	148.4	29.77	144.9	28.51	139.5	26.86	132.3	24.74
		530.0	158.8	30.72	154.2	30.03	149.2	29.38	145.4	28.12	139.9	26.86	133.1	25.17
		636.0	159.3	30.62	154.6	29.90	149.6	29.18	145.7	27.92	140.1	26.86	133.4	25.39
	20	169.6	157.6	26.89	153.3	26.25	148.4	25.60	144.4	25.17	139.1	24.46	131.8	22.87
		212.0	158.5	26.95	153.8	26.25	148.8	25.60	144.9	25.17	139.5	24.35	132.3	22.83
		424.0	161.8	27.17	155.9	26.25	150.5	25.60	147.1	25.17	141.2	23.91	134.3	22.65
		530.0	162.7	27.17	157.2	26.25	151.4	25.60	147.5	24.74	142.0	23.91	134.7	22.65
		636.0	163.2	27.17	157.8	26.25	151.8	25.60	147.7	24.52	142.3	23.91	134.9	22.65
	25	169.6	162.5	24.48	157.7	23.58	151.4	23.20	148.0	22.32	142.9	21.50	135.2	19.70
		212.0	162.8	24.43	157.7	23.48	151.4	23.09	148.0	22.22	142.9	21.39	135.2	19.70
		424.0	164.1	24.26	157.7	23.09	151.4	22.65	148.0	21.83	142.9	20.96	135.2	19.70
		530.0	164.9	24.26	157.7	23.17	151.4	22.22	148.0	21.83	142.9	20.57	135.2	19.31
		636.0	165.3	24.26	157.7	23.22	151.4	22.00	148.0	21.83	142.9	20.37	135.2	19.11
	30	169.6	164.9	22.32	157.7	21.50	151.4	20.68	148.0	20.25	142.9	18.99	135.2	17.73
		212.0	164.9	22.22	157.7	21.39	151.4	20.57	148.0	20.14	142.9	18.88	135.2	17.62
		424.0	164.9	21.83	157.7	20.96	151.4	20.14	148.0	19.70	142.9	18.44	135.2	17.19
		530.0	164.9	21.65	157.7	20.57	151.4	19.70	148.0	19.31	142.9	18.44	135.2	17.19
		636.0	164.9	21.57	157.7	20.37	151.4	19.48	148.0	19.11	142.9	18.44	135.2	17.19
	35	169.6	164.9	21.17	157.7	19.80	151.4	18.99	148.0	18.16	142.9	17.28	135.2	16.03
		212.0	164.9	20.96	157.7	19.70	151.4	18.88	148.0	18.05	142.9	17.19	135.2	15.93
		424.0	164.9	20.14	157.7	19.31	151.4	18.44	148.0	17.62	142.9	16.79	135.2	15.54
		530.0	164.9	19.62	157.7	18.88	151.4	18.05	148.0	17.62	142.9	16.79	135.2	15.54
		636.0	164.9	19.35	157.7	18.66	151.4	17.86	148.0	17.62	142.9	16.79	135.2	15.54
	40	169.6	164.9	19.91	157.7	19.09	151.4	17.83	148.0	16.90	142.9	16.03	135.2	14.77
		212.0	164.9	19.70	157.7	18.88	151.4	17.62	148.0	16.79	142.9	15.93	135.2	14.67
		424.0	164.9	18.88	157.7	18.05	151.4	16.79	148.0	16.36	142.9	15.54	135.2	14.28
		530.0	164.9	18.62	157.7	17.62	151.4	16.79	148.0	15.93	142.9	15.10	135.2	13.84
		636.0	164.9	18.49	157.7	17.40	151.4	16.79	148.0	15.71	142.9	14.88	135.2	13.62
	45	169.6	164.9	18.65	157.7	18.37	151.4	16.68	148.0	15.65	142.9	14.77	135.2	13.51
		212.0	164.9	18.44	157.7	18.05	151.4	16.36	148.0	15.54	142.9	14.67	135.2	13.41
		424.0	164.9	17.62	157.7	16.79	151.4	15.10	148.0	15.10	142.9	14.28	135.2	13.02
		530.0	164.9	17.62	157.7	16.36	151.4	15.54	148.0	14.28	142.9	13.41	135.2	12.15
		636.0	164.9	17.62	157.7	16.14	151.4	15.75	148.0	13.86	142.9	12.97	135.2	11.71
100	-5	169.6	55.7	26.71	55.3	25.17	55.1	23.10	54.6	22.13	54.1	21.14	53.1	19.23
		212.0	57.6	27.17	57.2	25.65	57.0	23.61	56.5	22.61	56.0	21.61	54.9	19.66
		424.0	65.2	28.99	64.9	27.56	64.5	25.60	63.8	24.52	63.3	23.48	62.3	21.35
		530.0	72.1	30.85	71.6	29.47	71.2	27.60	70.5	26.47	70.0	25.30	68.7	23.00
		636.0	75.5	31.80	74.9	30.43	74.5	28.61	73.9	27.46	73.4	26.22	72.0	23.83
	0	169.6	99.6	36.54	97.4	35.45	95.4	33.84	93.7	32.41	92.0	31.03	88.8	28.16
		212.0	100.2	36.63	98.0	35.54	95.9	33.94	94.2	32.50	92.6	31.12	89.3	28.25
		424.0	102.5	36.97	100.3	35.89	98.1	34.33	96.4	32.89	94.8	31.46	91.4	28.60
		530.0	104.0	36.97	101.9	35.89	99.7	34.33	97.9	32.89	96.2	31.46	92.8	28.60
		636.0	104.8	36.97	102.6	35.89	100.4	34.33	98.6	32.89	96.9	31.46	93.5	28.60
	5	169.6	147.0	39.27	142.1	38.32	138.4	36.83	135.6	35.27	129.2	33.76	123.3	30.70
		212.0	147.5	39.45	142.3	38.49	138.5	37.02	135.6	35.45	129.2	33.94	123.3	30.85
		424.0	149.6	40.14	143.4	39.19	138.6	37.76	135.6	36.19	129.2	34.63	123.3	31.46
		530.0	150.5	40.40	143.8	39.45	138.6	38.02	135.6	36.45	129.2	34.85	123.3	31.68
		636.0	150.9	40.53	144.0	39.58	138.6	38.15	135.6	36.58	129.2	34.96	123.3	31.79
	10	169.6	147.8	35.12	142.5	34.35	138.6	33.27	135.6	32.16	129.2	30.56	123.3	27.96
		212.0	148.1	35.28	142.7	34.46	138.6	33.37	135.6	32.20	129.2	30.59	123.3	27.99
		424.0	149.6	35.93	143.5	34.89	138.6	33.76	135.6	32.37	129.2	30.72	123.3	28.12
		530.0	150.6	35.80	144.1	34.89	138.6	33.68	135.6	32.29	129.2	30.64	123.3	27.99
		636.0	151.1	35.74	144.5	34.89	138.6	33.63	135.6	32.24	129.2	30.59	123.3	27.93
	15	169.6	148.6	30.96	143.1	30.44	138.6	29.77	135.6	29.06	129.2	27.35	123.3	25.28
		212.0	148.8	31.12	143.2	30.46	138.6	29.77	135.6	28.95	129.2	27.25	123.3	25.17
		424.0	149.6	31.72	143.6	30.55	138.6	29.77	135.6	28.51	129.2	26.86	123.3	24.74
		530.0	150.8	31.20	144.4	30.29	138.6	29.38	135.6	28.12	129.2	26.43	123.3	24.35
		636.0	151.5	30.94	144.8	30.16	138.6	29.18	135.6	27.92	129.2	26.21	123.3	24.15
	20	169.6	149.4	26.48	143.9	25.80	138.6	25.17	135.6	24.83	129.2	23.20	123.3	22.05
		212.0	149.9	26.60	144.0	25.82	138.6	25.17	135.6	24.74	129.2	23.09	123.3	21.83
		424.0	152.1	27.08	144.4	25.91	138.6	25.17	135.6	24.35	129.2	22.65	123.3	20.96
		530.0	153.0	26.60	145.7	25.69	138.6	24.74	135.6	23.91	129.2	22.22	123.3	20.57
		636.0	153.5	26.36	146.3	25.58	138.6	24.52	135.6	23.69	129.2	22.00	123.3	20.37

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	169.6	151.2	23.15	146.2	22.43	138.6	21.50	135.6	20.68	129.2	19.42	123.3	17.62
		212.0	151.8	23.17	146.2	22.31	138.6	21.39	135.6	20.57	129.2	19.31	123.3	17.62
		424.0	153.9	23.26	146.2	21.83	138.6	20.96	135.6	20.14	129.2	18.88	123.3	17.62
		530.0	154.7	22.74	146.2	21.65	138.6	20.57	135.6	19.70	129.2	18.88	123.3	17.19
		636.0	155.1	22.48	146.2	21.57	138.6	20.37	135.6	19.48	129.2	18.88	123.3	16.97
	30	169.6	154.7	21.06	146.2	19.42	138.6	18.10	135.6	17.73	129.2	16.36	123.3	15.65
		212.0	154.7	20.96	146.2	19.31	138.6	18.05	135.6	17.62	129.2	16.36	123.3	15.54
		424.0	154.7	20.57	146.2	18.88	138.6	17.88	135.6	17.19	129.2	16.36	123.3	15.10
		530.0	154.7	20.14	146.2	18.88	138.6	17.62	135.6	17.19	129.2	15.93	123.3	15.10
		636.0	154.7	19.92	146.2	18.88	138.6	17.49	135.6	17.19	129.2	15.71	123.3	15.10
	35	169.6	154.7	19.53	146.2	17.83	138.6	15.97	135.6	15.65	129.2	14.77	123.3	13.51
		212.0	154.7	19.31	146.2	17.62	138.6	15.93	135.6	15.54	129.2	14.67	123.3	13.41
		424.0	154.7	18.44	146.2	16.79	138.6	15.75	135.6	15.10	129.2	14.28	123.3	13.02
		530.0	154.7	18.44	146.2	16.79	138.6	15.54	135.6	15.10	129.2	14.28	123.3	13.02
		636.0	154.7	18.44	146.2	16.79	138.6	15.43	135.6	15.10	129.2	14.28	123.3	13.02
	40	169.6	154.7	18.27	146.2	16.57	138.6	14.32	135.6	13.95	129.2	13.13	123.3	12.25
		212.0	154.7	18.05	146.2	16.36	138.6	14.28	135.6	13.84	129.2	13.02	123.3	12.15
		424.0	154.7	17.19	146.2	15.54	138.6	14.10	135.6	13.41	129.2	12.59	123.3	11.76
		530.0	154.7	16.79	146.2	15.54	138.6	13.84	135.6	13.41	129.2	12.59	123.3	11.76
		636.0	154.7	16.60	146.2	15.54	138.6	13.71	135.6	13.41	129.2	12.59	123.3	11.76
	45	169.6	154.7	17.01	146.2	15.31	138.6	12.63	135.6	12.25	129.2	11.44	123.3	10.99
		212.0	154.7	16.79	146.2	15.10	138.6	12.59	135.6	12.15	129.2	11.33	123.3	10.89
		424.0	154.7	15.93	146.2	14.28	138.6	12.41	135.6	11.76	129.2	10.89	123.3	10.50
		530.0	154.7	15.10	146.2	14.28	138.6	12.15	135.6	11.76	129.2	10.89	123.3	10.50
		636.0	154.7	14.69	146.2	14.28	138.6	12.02	135.6	11.76	129.2	10.89	123.3	10.50
90	-5	169.6	52.6	24.79	51.0	22.57	49.5	19.83	49.1	18.89	48.7	18.21	47.9	16.35
		212.0	54.4	25.21	52.7	23.00	51.2	20.27	50.8	19.31	50.4	18.62	49.5	16.71
		424.0	61.6	26.91	59.7	24.69	57.9	22.00	57.5	20.96	57.1	20.22	56.0	18.14
		530.0	68.1	28.60	65.9	26.43	63.9	23.74	63.4	22.61	63.0	21.79	61.9	19.57
		636.0	71.3	29.45	69.0	27.30	67.0	24.61	66.4	23.44	66.0	22.57	64.9	20.29
	0	169.6	94.1	33.76	89.7	31.68	85.6	29.09	84.3	27.74	82.9	26.70	79.8	23.98
		212.0	94.6	33.85	90.3	31.77	86.1	29.16	84.8	27.82	83.4	26.78	80.3	24.04
		424.0	96.8	34.20	92.3	32.11	88.2	29.47	86.8	28.12	85.4	27.08	82.3	24.30
		530.0	98.2	34.20	93.7	32.11	89.6	29.47	88.1	28.12	86.8	27.08	83.5	24.30
		636.0	99.0	34.20	94.4	32.11	90.3	29.47	88.7	28.12	87.5	27.08	84.2	24.30
	5	169.6	132.9	36.25	128.6	34.21	124.5	31.66	122.0	30.18	116.6	29.05	111.0	26.08
		212.0	133.1	36.41	128.5	34.37	124.5	31.81	122.0	30.33	116.6	29.21	111.0	26.21
		424.0	133.6	37.06	128.2	35.02	124.5	32.42	122.0	30.94	116.6	29.81	111.0	26.73
		530.0	134.3	37.28	128.5	35.24	124.5	32.68	122.0	31.16	116.6	30.03	111.0	26.95
		636.0	134.7	37.39	128.7	35.35	124.5	32.81	122.0	31.27	116.6	30.14	111.0	27.06
	10	169.6	133.6	32.00	129.1	30.43	124.5	28.65	122.0	27.48	116.6	26.36	111.0	23.76
		212.0	133.6	32.03	128.9	30.46	124.5	28.69	122.0	27.51	116.6	26.34	111.0	23.78
		424.0	133.3	32.11	128.3	30.59	124.5	28.82	122.0	27.64	116.6	26.25	111.0	23.87
		530.0	134.2	32.03	128.7	30.51	124.5	28.73	122.0	27.56	116.6	26.34	111.0	23.95
		636.0	134.7	31.98	128.9	30.46	124.5	28.68	122.0	27.51	116.6	26.39	111.0	24.00
	15	169.6	134.3	27.71	129.5	26.71	124.5	25.71	122.0	24.83	116.6	23.69	111.0	21.50
		212.0	134.1	27.60	129.3	26.60	124.5	25.60	122.0	24.74	116.6	23.48	111.0	21.39
		424.0	133.2	27.17	128.4	26.17	124.5	25.17	122.0	24.35	116.6	22.65	111.0	20.96
		530.0	134.1	26.78	128.8	25.78	124.5	24.74	122.0	23.91	116.6	22.65	111.0	20.96
		636.0	134.5	26.58	129.0	25.58	124.5	24.52	122.0	23.69	116.6	22.65	111.0	20.96
	20	169.6	135.1	23.39	130.1	22.72	124.5	21.94	122.0	21.06	116.6	20.34	111.0	19.09
		212.0	135.0	23.39	129.8	22.65	124.5	21.83	122.0	20.96	116.6	20.14	111.0	18.88
		424.0	134.5	23.39	128.8	22.39	124.5	21.39	122.0	20.57	116.6	19.31	111.0	18.05
		530.0	134.9	23.00	129.2	22.22	124.5	21.39	122.0	20.57	116.6	19.31	111.0	18.05
		636.0	135.1	22.80	129.4	22.13	124.5	21.39	122.0	20.57	116.6	19.31	111.0	18.05
	25	169.6	137.4	20.44	131.8	19.36	124.5	18.54	122.0	17.62	116.6	16.90	111.0	15.65
		212.0	137.7	20.40	131.8	19.31	124.5	18.44	122.0	17.62	116.6	16.79	111.0	15.54
		424.0	139.0	20.22	131.8	19.14	124.5	18.05	122.0	17.62	116.6	16.36	111.0	15.10
		530.0	139.5	19.70	131.8	18.70	124.5	18.05	122.0	17.19	116.6	16.36	111.0	15.10
		636.0	139.8	19.44	131.8	18.49	124.5	18.05	122.0	16.97	116.6	16.36	111.0	15.10
	30	169.6	139.5	18.54	131.8	17.28	124.5	16.03	122.0	15.65	116.6	14.77	111.0	13.41
		212.0	139.5	18.44	131.8	17.19	124.5	15.93	122.0	15.54	116.6	14.67	111.0	13.41
		424.0	139.5	18.05	131.8	16.79	124.5	15.54	122.0	15.10	116.6	14.28	111.0	13.41
		530.0	139.5	17.62	131.8	16.36	124.5	15.54	122.0	15.10	116.6	14.28	111.0	13.02
		636.0	139.5	17.40	131.8	16.14	124.5	15.54	122.0	15.10	116.6	14.28	111.0	12.82

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	169.6	139.5	16.90	131.8	15.65	124.5	14.39	122.0	13.95	116.6	13.13	111.0	12.25
		212.0	139.5	16.79	131.8	15.54	124.5	14.28	122.0	13.84	116.6	13.02	111.0	12.15
		424.0	139.5	16.36	131.8	15.10	124.5	13.84	122.0	13.41	116.6	12.59	111.0	11.76
		530.0	139.5	15.93	131.8	14.67	124.5	13.41	122.0	13.02	116.6	12.59	111.0	11.76
		636.0	139.5	15.71	131.8	14.45	124.5	13.19	122.0	12.82	116.6	12.59	111.0	11.76
	40	169.6	139.5	15.76	131.8	14.39	124.5	12.69	122.0	12.25	116.6	11.87	111.0	10.99
		212.0	139.5	15.54	131.8	14.28	124.5	12.59	122.0	12.15	116.6	11.76	111.0	10.89
		424.0	139.5	14.67	131.8	13.84	124.5	12.15	122.0	11.76	116.6	11.33	111.0	10.50
		530.0	139.5	14.67	131.8	13.84	124.5	12.15	122.0	11.76	116.6	11.33	111.0	10.50
		636.0	139.5	14.67	131.8	13.84	124.5	12.15	122.0	11.76	116.6	11.33	111.0	10.50
	45	169.6	139.5	14.60	131.8	13.13	124.5	10.99	122.0	10.61	116.6	10.61	111.0	9.73
		212.0	139.5	14.28	131.8	13.02	124.5	10.89	122.0	10.50	116.6	10.50	111.0	9.63
		424.0	139.5	13.02	131.8	12.59	124.5	10.50	122.0	10.07	116.6	10.07	111.0	9.24
		530.0	139.5	13.41	131.8	13.02	124.5	10.89	122.0	10.50	116.6	10.07	111.0	9.24
		636.0	139.5	13.61	131.8	13.24	124.5	11.09	122.0	10.72	116.6	10.07	111.0	9.24
80	-5	169.6	49.7	17.66	46.6	16.99	44.1	16.27	43.6	15.72	43.4	14.99	42.5	13.81
		212.0	51.4	18.05	48.2	17.36	45.6	16.62	45.1	16.06	44.9	15.32	44.0	14.10
		424.0	58.1	19.62	54.5	18.83	51.6	18.01	51.1	17.40	50.8	16.62	49.8	15.28
		530.0	64.3	21.13	60.2	20.31	57.0	19.44	56.3	18.79	56.1	17.92	54.9	16.49
		636.0	67.5	21.90	63.1	21.05	59.7	20.16	59.0	19.49	58.7	18.58	57.5	17.10
	0	169.6	88.8	25.92	81.9	24.88	76.3	23.85	74.8	23.02	73.8	21.94	71.0	20.21
		212.0	89.3	25.99	82.4	24.95	76.7	23.91	75.3	23.09	74.3	22.00	71.4	20.27
		424.0	91.5	26.30	84.3	25.26	78.5	24.17	77.1	23.35	76.1	22.26	73.1	20.48
		530.0	92.8	26.30	85.6	25.26	79.8	24.17	78.3	23.35	77.2	22.26	74.3	20.48
		636.0	93.5	26.30	86.3	25.26	80.5	24.17	78.8	23.35	77.8	22.26	74.8	20.48
	5	169.6	122.9	28.18	115.9	27.12	110.8	25.90	108.4	25.04	103.8	23.88	98.6	21.97
		212.0	123.1	28.34	116.2	27.25	110.9	26.04	108.4	25.17	103.8	24.00	98.6	22.09
		424.0	124.2	28.95	117.1	27.77	111.0	26.60	108.4	25.69	103.8	24.48	98.6	22.57
		530.0	124.2	29.12	116.9	27.99	111.0	26.78	108.4	25.86	103.8	24.65	98.6	22.70
		636.0	124.2	29.21	116.9	28.10	111.0	26.86	108.4	25.95	103.8	24.74	98.6	22.76
	10	169.6	123.5	25.94	116.4	24.77	110.8	23.51	108.4	22.86	103.8	21.64	98.6	20.04
		212.0	123.6	25.91	116.6	24.74	110.9	23.52	108.4	22.87	103.8	21.65	98.6	20.05
		424.0	124.2	25.78	117.1	24.61	111.0	23.56	108.4	22.91	103.8	21.70	98.6	20.09
		530.0	124.2	25.69	116.9	24.69	111.0	23.65	108.4	22.78	103.8	21.57	98.6	19.96
		636.0	124.2	25.65	116.9	24.74	111.0	23.69	108.4	22.72	103.8	21.50	98.6	19.90
	15	169.6	124.2	23.69	116.9	22.43	111.0	21.06	108.4	20.68	103.8	19.42	98.6	18.16
		212.0	124.2	23.48	116.9	22.22	111.0	20.96	108.4	20.57	103.8	19.31	98.6	18.05
		424.0	124.2	22.65	116.9	21.39	111.0	20.57	108.4	20.14	103.8	18.88	98.6	17.62
		530.0	124.2	22.22	116.9	21.39	111.0	20.57	108.4	19.70	103.8	18.44	98.6	17.19
		636.0	124.2	22.00	116.9	21.39	111.0	20.57	108.4	19.48	103.8	18.22	98.6	16.97
	20	169.6	124.2	19.80	116.9	18.99	111.0	18.05	108.4	17.73	103.8	16.90	98.6	15.65
		212.0	124.2	19.70	116.9	18.88	111.0	18.05	108.4	17.62	103.8	16.79	98.6	15.54
		424.0	124.2	19.31	116.9	18.44	111.0	18.05	108.4	17.19	103.8	16.36	98.6	15.10
		530.0	124.2	18.88	116.9	18.05	111.0	17.62	108.4	17.19	103.8	15.93	98.6	15.10
		636.0	124.2	18.66	116.9	17.86	111.0	17.40	108.4	17.19	103.8	15.71	98.6	15.10
	25	169.6	124.2	17.73	116.9	16.47	111.0	15.54	108.4	15.21	103.8	14.39	98.6	13.51
		212.0	124.2	17.62	116.9	16.36	111.0	15.54	108.4	15.10	103.8	14.28	98.6	13.41
		424.0	124.2	17.19	116.9	15.93	111.0	15.54	108.4	14.67	103.8	13.84	98.6	13.02
		530.0	124.2	16.79	116.9	15.93	111.0	15.10	108.4	14.67	103.8	13.84	98.6	13.02
		636.0	124.2	16.60	116.9	15.93	111.0	14.88	108.4	14.67	103.8	13.84	98.6	13.02
	30	169.6	124.2	15.65	116.9	14.77	111.0	13.95	108.4	13.51	103.8	12.69	98.6	11.87
		212.0	124.2	15.54	116.9	14.67	111.0	13.84	108.4	13.41	103.8	12.59	98.6	11.76
		424.0	124.2	15.10	116.9	14.28	111.0	13.41	108.4	13.02	103.8	12.15	98.6	11.33
		530.0	124.2	15.10	116.9	14.28	111.0	13.41	108.4	13.02	103.8	12.15	98.6	11.33
		636.0	124.2	15.10	116.9	14.28	111.0	13.41	108.4	13.02	103.8	12.15	98.6	11.33
	35	169.6	124.2	14.39	116.9	13.51	111.0	12.25	108.4	11.76	103.8	11.44	98.6	10.50
		212.0	124.2	14.28	116.9	13.41	111.0	12.15	108.4	11.76	103.8	11.33	98.6	10.50
		424.0	124.2	13.84	116.9	13.02	111.0	11.76	108.4	11.76	103.8	10.89	98.6	10.50
		530.0	124.2	13.84	116.9	12.59	111.0	11.76	108.4	11.33	103.8	10.89	98.6	10.07
		636.0	124.2	13.84	116.9	12.37	111.0	11.76	108.4	11.11	103.8	10.89	98.6	9.85
	40	169.6	124.2	13.62	116.9	12.25	111.0	10.89	108.4	10.99	103.8	10.07	98.6	9.73
		212.0	124.2	13.41	116.9	12.15	111.0	10.89	108.4	10.89	103.8	10.07	98.6	9.63
		424.0	124.2	12.59	116.9	11.76	111.0	10.89	108.4	10.50	103.8	10.07	98.6	9.24
		530.0	124.2	12.59	116.9	11.76	111.0	10.50	108.4	10.50	103.8	10.07	98.6	9.24
		636.0	124.2	12.59	116.9	11.76	111.0	10.31	108.4	10.50	103.8	10.07	98.6	9.24

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.

2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	169.6	124.2	12.90	116.9	10.99	111.0	9.52	108.4	10.28	103.8	8.70	98.6	9.02
		212.0	124.2	12.59	116.9	10.89	111.0	9.63	108.4	10.07	103.8	8.81	98.6	8.81
		424.0	124.2	11.33	116.9	10.50	111.0	10.07	108.4	9.24	103.8	9.24	98.6	7.98
		530.0	124.2	11.33	116.9	10.89	111.0	9.24	108.4	9.63	103.8	9.24	98.6	8.38
		636.0	124.2	11.33	116.9	11.09	111.0	8.83	108.4	9.83	103.8	9.24	98.6	8.57
70	-5	169.6	43.4	15.16	40.8	14.44	38.5	13.97	38.1	13.17	37.9	12.70	37.3	11.55
		212.0	44.9	15.49	42.2	14.75	39.8	14.28	39.5	13.45	39.2	12.98	38.6	11.80
		424.0	50.8	16.79	47.7	16.01	45.0	15.49	44.6	14.58	44.4	14.06	43.6	12.80
		530.0	56.2	18.14	52.7	17.27	49.8	16.71	49.4	15.71	49.0	15.19	48.1	13.80
		636.0	58.9	18.82	55.3	17.91	52.2	17.32	51.8	16.28	51.3	15.76	50.4	14.30
	0	169.6	77.7	22.20	71.8	21.17	66.7	20.46	65.5	19.26	64.5	18.61	62.2	16.92
		212.0	78.1	22.26	72.2	21.22	67.0	20.53	65.9	19.31	64.9	18.66	62.5	16.97
		424.0	79.9	22.52	73.9	21.44	68.6	20.79	67.4	19.53	66.4	18.88	63.9	17.14
		530.0	81.1	22.52	75.0	21.44	69.6	20.79	68.5	19.53	67.4	18.88	65.0	17.14
		636.0	81.7	22.52	75.6	21.44	70.1	20.79	69.0	19.53	68.0	18.88	65.5	17.14
	5	169.6	107.3	24.18	101.7	23.01	96.8	22.27	94.8	20.99	90.5	20.24	86.3	18.39
		212.0	107.5	24.30	101.9	23.13	96.8	22.39	94.8	21.09	90.5	20.35	86.3	18.49
		424.0	108.4	24.78	102.6	23.61	97.0	22.87	94.8	21.48	90.5	20.79	86.3	18.88
		530.0	108.4	24.95	102.5	23.78	97.0	23.04	94.8	21.65	90.5	20.92	86.3	19.01
		636.0	108.4	25.04	102.4	23.87	97.0	23.13	94.8	21.74	90.5	20.98	86.3	19.07
	10	169.6	107.8	22.26	102.0	21.05	97.0	20.27	94.8	19.14	90.5	18.36	86.3	16.79
		212.0	107.9	22.22	102.1	21.00	97.0	20.22	94.8	19.14	90.5	18.36	86.3	16.79
		424.0	108.4	22.05	102.5	20.83	97.0	20.05	94.8	19.14	90.5	18.36	86.3	16.79
		530.0	108.4	22.13	102.5	20.92	97.0	20.14	94.8	19.22	90.5	18.23	86.3	16.84
		636.0	108.4	22.18	102.5	20.96	97.0	20.18	94.8	19.27	90.5	18.16	86.3	16.86
	15	169.6	108.4	20.34	102.5	19.09	97.0	18.27	94.8	17.28	90.5	16.47	86.3	15.21
		212.0	108.4	20.14	102.5	18.88	97.0	18.05	94.8	17.19	90.5	16.36	86.3	15.10
		424.0	108.4	19.31	102.5	18.05	97.0	17.19	94.8	16.79	90.5	15.93	86.3	14.67
		530.0	108.4	19.31	102.5	18.05	97.0	17.19	94.8	16.79	90.5	15.54	86.3	14.67
		636.0	108.4	19.31	102.5	18.05	97.0	17.19	94.8	16.79	90.5	15.34	86.3	14.67
	20	169.6	108.4	16.90	102.5	16.03	97.0	15.65	94.8	15.21	90.5	14.39	86.3	13.51
		212.0	108.4	16.79	102.5	15.93	97.0	15.54	94.8	15.10	90.5	14.28	86.3	13.41
		424.0	108.4	16.36	102.5	15.54	97.0	15.10	94.8	14.67	90.5	13.84	86.3	13.02
		530.0	108.4	16.36	102.5	15.54	97.0	15.10	94.8	14.28	90.5	13.84	86.3	12.59
		636.0	108.4	16.36	102.5	15.54	97.0	15.10	94.8	14.08	90.5	13.84	86.3	12.37
	25	169.6	108.4	15.21	102.5	14.39	97.0	13.51	94.8	13.13	90.5	12.15	86.3	11.33
		212.0	108.4	15.10	102.5	14.28	97.0	13.41	94.8	13.02	90.5	12.15	86.3	11.33
		424.0	108.4	14.67	102.5	13.84	97.0	13.02	94.8	12.59	90.5	12.15	86.3	11.33
		530.0	108.4	14.28	102.5	13.41	97.0	13.02	94.8	12.59	90.5	11.76	86.3	11.33
		636.0	108.4	14.08	102.5	13.19	97.0	13.02	94.8	12.59	90.5	11.56	86.3	11.33
	30	169.6	108.4	13.51	102.5	12.69	97.0	11.87	94.8	11.33	90.5	10.99	86.3	10.07
		212.0	108.4	13.41	102.5	12.59	97.0	11.76	94.8	11.33	90.5	10.89	86.3	10.07
		424.0	108.4	13.02	102.5	12.15	97.0	11.33	94.8	11.33	90.5	10.50	86.3	10.07
		530.0	108.4	13.02	102.5	12.15	97.0	11.33	94.8	10.89	90.5	10.50	86.3	10.07
		636.0	108.4	13.02	102.5	12.15	97.0	11.33	94.8	10.67	90.5	10.50	86.3	10.07
	35	169.6	108.4	12.25	102.5	11.44	97.0	10.50	94.8	10.61	90.5	9.63	86.3	9.35
		212.0	108.4	12.15	102.5	11.33	97.0	10.50	94.8	10.50	90.5	9.63	86.3	9.24
		424.0	108.4	11.76	102.5	10.89	97.0	10.50	94.8	10.07	90.5	9.63	86.3	8.81
		530.0	108.4	11.76	102.5	10.89	97.0	10.07	94.8	10.07	90.5	9.63	86.3	8.81
		636.0	108.4	11.76	102.5	10.89	97.0	9.85	94.8	10.07	90.5	9.63	86.3	8.81
	40	169.6	108.4	11.44	102.5	10.61	97.0	9.73	94.8	9.24	90.5	8.81	86.3	8.47
		212.0	108.4	11.33	102.5	10.50	97.0	9.63	94.8	9.24	90.5	8.81	86.3	8.38
		424.0	108.4	10.89	102.5	10.07	97.0	9.24	94.8	9.24	90.5	8.81	86.3	7.98
		530.0	108.4	10.89	102.5	10.07	97.0	9.24	94.8	8.81	90.5	8.38	86.3	7.98
		636.0	108.4	10.89	102.5	10.07	97.0	9.24	94.8	8.59	90.5	8.16	86.3	7.98
	45	169.6	108.4	10.61	102.5	9.73	97.0	9.02	94.8	7.89	90.5	7.98	86.3	7.66
		212.0	108.4	10.50	102.5	9.63	97.0	8.81	94.8	7.98	90.5	7.98	86.3	7.55
		424.0	108.4	10.07	102.5	9.24	97.0	7.98	94.8	8.38	90.5	7.98	86.3	7.12
		530.0	108.4	10.07	102.5	9.24	97.0	8.38	94.8	7.55	90.5	7.12	86.3	7.12
		636.0	108.4	10.07	102.5	9.24	97.0	8.57	94.8	7.14	90.5	6.68	86.3	7.12
60	-5	169.6	37.2	12.31	34.9	11.84	33.0	11.38	32.6	10.58	32.5	10.40	31.9	9.30
		212.0	38.6	12.59	36.1	12.11	34.2	11.63	33.8	10.81	33.7	10.63	33.0	9.50
		424.0	43.7	13.67	40.9	13.15	38.7	12.63	38.3	11.72	38.2	11.54	37.4	10.33
		530.0	48.2	14.71	45.1	14.19	42.8	13.63	42.3	12.67	42.2	12.45	41.3	11.11
		636.0	50.5	15.24	47.3	14.72	44.9	14.13	44.3	13.15	44.2	12.91	43.2	11.50

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	169.6	66.7	18.04	61.4	17.40	57.3	16.65	56.1	15.49	55.4	15.28	53.3	13.64
		212.0	67.0	18.10	61.8	17.45	57.6	16.71	56.5	15.54	55.7	15.32	53.6	13.67
		424.0	68.6	18.31	63.2	17.62	59.1	16.92	57.8	15.71	57.0	15.49	54.8	13.80
		530.0	69.6	18.31	64.2	17.62	60.0	16.92	58.7	15.71	57.9	15.49	55.7	13.80
		636.0	70.1	18.31	64.7	17.62	60.4	16.92	59.1	15.71	58.3	15.49	56.2	13.80
	5	169.6	92.1	19.65	86.9	18.91	83.3	18.13	81.2	16.88	77.7	16.62	74.0	14.81
		212.0	92.3	19.75	87.0	19.01	83.3	18.23	81.2	16.97	77.7	16.71	74.0	14.89
		424.0	93.1	20.14	87.7	19.40	83.3	18.62	81.2	17.32	77.7	17.05	74.0	15.19
		530.0	93.1	20.31	87.5	19.53	83.3	18.75	81.2	17.45	77.7	17.14	74.0	15.32
		636.0	93.1	20.40	87.5	19.59	83.3	18.81	81.2	17.51	77.7	17.19	74.0	15.38
	10	169.6	92.6	18.05	87.2	17.27	83.3	16.45	81.2	15.36	77.7	15.07	74.0	13.51
		212.0	92.7	18.05	87.3	17.27	83.3	16.45	81.2	15.41	77.7	15.06	74.0	13.54
		424.0	93.1	18.05	87.7	17.27	83.3	16.45	81.2	15.58	77.7	15.02	74.0	13.67
		530.0	93.1	18.10	87.5	17.10	83.3	16.27	81.2	15.41	77.7	14.89	74.0	13.54
		636.0	93.1	18.12	87.5	17.01	83.3	16.19	81.2	15.32	77.7	14.82	74.0	13.47
	15	169.6	93.1	16.47	87.5	15.65	83.3	14.77	81.2	13.84	77.7	13.51	74.0	12.15
		212.0	93.1	16.36	87.5	15.54	83.3	14.67	81.2	13.84	77.7	13.41	74.0	12.15
		424.0	93.1	15.93	87.5	15.10	83.3	14.28	81.2	13.84	77.7	13.02	74.0	12.15
		530.0	93.1	15.93	87.5	14.67	83.3	13.84	81.2	13.41	77.7	12.59	74.0	11.76
		636.0	93.1	15.93	87.5	14.45	83.3	13.62	81.2	13.19	77.7	12.37	74.0	11.56
	20	169.6	93.1	14.39	87.5	13.51	83.3	12.69	81.2	12.25	77.7	11.87	74.0	10.99
		212.0	93.1	14.28	87.5	13.41	83.3	12.59	81.2	12.15	77.7	11.76	74.0	10.89
		424.0	93.1	13.84	87.5	13.02	83.3	12.15	81.2	11.76	77.7	11.33	74.0	10.50
		530.0	93.1	13.84	87.5	13.02	83.3	12.15	81.2	11.76	77.7	11.33	74.0	10.50
		636.0	93.1	13.84	87.5	13.02	83.3	12.15	81.2	11.76	77.7	11.33	74.0	10.50
	25	169.6	93.1	12.69	87.5	11.87	83.3	10.89	81.2	10.99	77.7	10.07	74.0	9.73
		212.0	93.1	12.59	87.5	11.76	83.3	10.89	81.2	10.89	77.7	10.07	74.0	9.63
		424.0	93.1	12.15	87.5	11.33	83.3	10.89	81.2	10.50	77.7	10.07	74.0	9.24
		530.0	93.1	12.15	87.5	11.33	83.3	10.50	81.2	10.50	77.7	10.07	74.0	9.24
		636.0	93.1	12.15	87.5	11.33	83.3	10.31	81.2	10.50	77.7	10.07	74.0	9.24
	30	169.6	93.1	11.44	87.5	10.61	83.3	10.18	81.2	9.73	77.7	9.35	74.0	8.92
		212.0	93.1	11.33	87.5	10.50	83.3	10.07	81.2	9.63	77.7	9.24	74.0	8.81
		424.0	93.1	10.89	87.5	10.07	83.3	9.63	81.2	9.24	77.7	8.81	74.0	8.38
		530.0	93.1	10.89	87.5	10.07	83.3	9.63	81.2	9.24	77.7	8.81	74.0	8.38
		636.0	93.1	10.89	87.5	10.07	83.3	9.63	81.2	9.24	77.7	8.81	74.0	8.38
	35	169.6	93.1	10.07	87.5	9.73	83.3	8.81	81.2	8.92	77.7	8.47	74.0	8.09
		212.0	93.1	10.07	87.5	9.63	83.3	8.81	81.2	8.81	77.7	8.38	74.0	7.98
		424.0	93.1	10.07	87.5	9.24	83.3	8.81	81.2	8.38	77.7	7.98	74.0	7.55
		530.0	93.1	10.07	87.5	9.24	83.3	8.38	81.2	8.38	77.7	7.98	74.0	7.55
		636.0	93.1	10.07	87.5	9.24	83.3	8.16	81.2	8.38	77.7	7.98	74.0	7.55
	40	169.6	93.1	9.24	87.5	8.92	83.3	7.98	81.2	8.09	77.7	7.66	74.0	7.12
		212.0	93.1	9.24	87.5	8.81	83.3	7.98	81.2	7.98	77.7	7.55	74.0	7.12
		424.0	93.1	9.24	87.5	8.38	83.3	7.98	81.2	7.55	77.7	7.12	74.0	7.12
		530.0	93.1	9.24	87.5	8.38	83.3	7.98	81.2	7.55	77.7	7.12	74.0	7.12
		636.0	93.1	9.24	87.5	8.38	83.3	7.98	81.2	7.55	77.7	7.12	74.0	7.12
	45	169.6	93.1	8.38	87.5	8.09	83.3	7.12	81.2	7.22	77.7	6.84	74.0	6.18
		212.0	93.1	8.38	87.5	7.98	83.3	7.12	81.2	7.12	77.7	6.73	74.0	6.29
		424.0	93.1	8.38	87.5	7.55	83.3	7.12	81.2	6.73	77.7	6.29	74.0	6.73
		530.0	93.1	8.38	87.5	7.55	83.3	7.55	81.2	6.73	77.7	6.29	74.0	6.73
		636.0	93.1	8.38	87.5	7.55	83.3	7.77	81.2	6.73	77.7	6.29	74.0	6.73
50	-5	169.6	31.1	9.82	29.2	9.30	27.5	8.80	27.2	8.32	27.0	7.81	26.6	7.40
		212.0	32.1	10.02	30.2	9.50	28.5	8.98	28.1	8.51	28.0	7.98	27.5	7.55
		424.0	36.2	10.85	34.0	10.33	32.2	9.72	31.8	9.24	31.7	8.68	31.1	8.16
		530.0	40.1	11.72	37.6	11.11	35.6	10.50	35.2	9.98	34.9	9.33	34.4	8.81
		636.0	42.0	12.15	39.5	11.50	37.3	10.90	36.9	10.35	36.6	9.66	36.1	9.14
	0	169.6	55.4	14.37	51.3	13.64	47.7	12.84	46.6	12.19	46.0	11.47	44.3	10.82
		212.0	55.7	14.41	51.6	13.67	48.0	12.89	46.9	12.24	46.3	11.50	44.6	10.85
		424.0	57.0	14.54	52.7	13.80	49.1	13.06	48.1	12.41	47.4	11.63	45.6	10.98
		530.0	57.9	14.54	53.5	13.80	49.8	13.06	48.9	12.41	48.1	11.63	46.4	10.98
		636.0	58.3	14.54	53.9	13.80	50.1	13.06	49.3	12.41	48.4	11.63	46.8	10.98
	5	169.6	76.6	15.63	72.6	14.81	69.2	13.98	67.6	13.30	64.6	12.49	61.6	11.74
		212.0	76.7	15.71	72.7	14.89	69.2	14.06	67.6	13.37	64.6	12.54	61.6	11.80
		424.0	77.4	16.01	73.2	15.19	69.4	14.36	67.6	13.63	64.6	12.76	61.6	12.06
		530.0	77.4	16.14	73.1	15.32	69.4	14.45	67.6	13.71	64.6	12.89	61.6	12.15
		636.0	77.4	16.21	73.0	15.38	69.4	14.49	67.6	13.76	64.6	12.95	61.6	12.19

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(44HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	169.6	77.0	14.39	72.7	13.55	69.2	12.74	67.6	12.17	64.6	11.25	61.6	10.74
		212.0	77.1	14.36	72.8	13.54	69.2	12.72	67.6	12.15	64.6	11.28	61.6	10.72
		424.0	77.4	14.28	73.2	13.50	69.4	12.63	67.6	12.06	64.6	11.41	61.6	10.63
		530.0	77.4	14.36	73.1	13.54	69.4	12.67	67.6	12.11	64.6	11.24	61.6	10.68
		636.0	77.4	14.41	73.0	13.56	69.4	12.69	67.6	12.13	64.6	11.15	61.6	10.70
	15	169.6	77.4	13.13	73.1	12.25	69.4	11.44	67.6	10.99	64.6	10.07	61.6	9.73
		212.0	77.4	13.02	73.1	12.15	69.4	11.33	67.6	10.89	64.6	10.07	61.6	9.63
		424.0	77.4	12.59	73.1	11.76	69.4	10.89	67.6	10.50	64.6	10.07	61.6	9.24
		530.0	77.4	12.59	73.1	11.76	69.4	10.89	67.6	10.50	64.6	9.63	61.6	9.24
		636.0	77.4	12.59	73.1	11.76	69.4	10.89	67.6	10.50	64.6	9.42	61.6	9.24
	20	169.6	77.4	11.44	73.1	10.61	69.4	10.18	67.6	9.73	64.6	9.35	61.6	8.38
		212.0	77.4	11.33	73.1	10.50	69.4	10.07	67.6	9.63	64.6	9.24	61.6	8.38
		424.0	77.4	10.89	73.1	10.07	69.4	9.63	67.6	9.24	64.6	8.81	61.6	8.38
		530.0	77.4	10.89	73.1	10.07	69.4	9.63	67.6	9.24	64.6	8.81	61.6	8.38
		636.0	77.4	10.89	73.1	10.07	69.4	9.63	67.6	9.24	64.6	8.81	61.6	8.38
	25	169.6	77.4	10.18	73.1	9.24	69.4	8.92	67.6	8.38	64.6	7.98	61.6	7.55
		212.0	77.4	10.07	73.1	9.24	69.4	8.81	67.6	8.38	64.6	7.98	61.6	7.55
		424.0	77.4	9.63	73.1	9.24	69.4	8.38	67.6	8.38	64.6	7.98	61.6	7.55
		530.0	77.4	9.63	73.1	9.24	69.4	8.38	67.6	8.38	64.6	7.98	61.6	7.55
		636.0	77.4	9.63	73.1	9.24	69.4	8.38	67.6	8.38	64.6	7.98	61.6	7.55
	30	169.6	77.4	9.35	73.1	8.47	69.4	8.09	67.6	7.55	64.6	7.66	61.6	7.22
		212.0	77.4	9.24	73.1	8.38	69.4	7.98	67.6	7.55	64.6	7.55	61.6	7.12
		424.0	77.4	8.81	73.1	7.98	69.4	7.55	67.6	7.55	64.6	7.12	61.6	6.73
		530.0	77.4	8.81	73.1	7.98	69.4	7.55	67.6	7.55	64.6	7.12	61.6	6.73
		636.0	77.4	8.81	73.1	7.98	69.4	7.55	67.6	7.55	64.6	7.12	61.6	6.73
	35	169.6	77.4	8.47	73.1	7.55	69.4	7.12	67.6	7.22	64.6	6.73	61.6	6.29
		212.0	77.4	8.38	73.1	7.55	69.4	7.12	67.6	7.12	64.6	6.73	61.6	6.29
		424.0	77.4	7.98	73.1	7.55	69.4	7.12	67.6	6.73	64.6	6.73	61.6	6.29
		530.0	77.4	7.98	73.1	7.55	69.4	7.12	67.6	6.73	64.6	6.73	61.6	6.29
		636.0	77.4	7.98	73.1	7.55	69.4	7.12	67.6	6.73	64.6	6.73	61.6	6.29
	40	169.6	77.4	7.66	73.1	7.22	69.4	6.84	67.6	6.29	64.6	6.40	61.6	5.86
		212.0	77.4	7.55	73.1	7.12	69.4	6.73	67.6	6.29	64.6	6.29	61.6	5.86
		424.0	77.4	7.12	73.1	6.73	69.4	6.29	67.6	6.29	64.6	5.86	61.6	5.86
		530.0	77.4	7.12	73.1	6.73	69.4	6.29	67.6	6.29	64.6	5.86	61.6	5.86
		636.0	77.4	7.12	73.1	6.73	69.4	6.29	67.6	6.29	64.6	5.86	61.6	5.86
	45	169.6	77.4	6.84	73.1	6.95	69.4	6.50	67.6	5.37	64.6	6.07	61.6	5.47
		212.0	77.4	6.73	73.1	6.73	69.4	6.29	67.6	5.47	64.6	5.86	61.6	5.47
		424.0	77.4	6.29	73.1	5.86	69.4	5.47	67.6	5.86	64.6	5.03	61.6	5.47
		530.0	77.4	6.29	73.1	5.86	69.4	5.47	67.6	5.86	64.6	5.03	61.6	5.47
		636.0	77.4	6.29	73.1	5.86	69.4	5.47	67.6	5.86	64.6	5.03	61.6	5.47

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(46HP)

ARWN460LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	177.2	68.6	27.85	68.0	26.22	67.6	24.41	66.7	23.68	67.5	23.07	65.7	20.68
		221.5	70.9	28.33	70.4	26.73	70.0	24.94	69.0	24.21	69.8	23.56	67.9	21.13
		443.0	80.2	30.26	79.5	28.74	79.1	27.05	78.0	26.27	79.0	25.54	77.0	22.92
		553.8	88.7	32.18	87.9	30.72	87.3	29.16	86.3	28.38	87.3	27.55	85.1	24.71
		664.5	93.0	33.15	92.1	31.71	91.5	30.22	90.4	29.44	91.6	28.57	89.1	25.61
	0	177.2	122.4	38.08	119.7	36.95	117.1	35.75	114.6	34.74	115.0	33.79	109.7	30.26
		221.5	123.2	38.19	120.4	37.04	117.8	35.85	115.2	34.84	115.7	33.88	110.4	30.35
		443.0	126.2	38.60	123.1	37.41	120.5	36.26	117.9	35.25	118.3	34.25	113.1	30.72
		553.8	128.1	38.60	125.0	37.41	122.4	36.26	119.7	35.25	120.1	34.25	114.7	30.72
		664.5	129.0	38.60	125.9	37.41	123.3	36.26	120.6	35.25	121.0	34.25	115.5	30.72
	5	177.2	176.4	40.94	173.7	39.93	170.1	38.91	165.8	37.81	161.3	36.77	152.4	32.93
		221.5	177.0	41.12	174.0	40.11	170.1	39.11	165.8	38.01	161.3	36.95	152.4	33.10
		443.0	179.4	41.86	175.2	40.85	170.2	39.89	165.8	38.78	161.3	37.68	152.4	33.79
		553.8	180.5	42.13	175.8	41.12	170.2	40.16	165.8	39.06	161.3	37.96	152.4	34.02
		664.5	181.0	42.27	176.0	41.26	170.2	40.30	165.8	39.20	161.3	38.10	152.4	34.13
	10	177.2	176.6	37.25	173.7	36.00	169.6	35.32	165.1	34.53	160.7	33.35	151.8	30.10
		221.5	177.7	37.18	174.6	36.03	170.2	35.39	165.8	34.52	161.3	33.33	152.4	30.07
		443.0	181.8	36.91	177.8	36.17	172.9	35.67	168.5	34.48	163.8	33.24	154.9	29.98
		553.8	182.8	37.41	179.0	36.68	174.0	35.80	169.3	34.61	164.8	33.79	155.8	31.40
		664.5	183.3	37.66	179.6	36.93	174.6	35.87	169.7	34.68	165.4	34.06	156.3	32.12
	15	177.2	176.9	33.57	173.8	32.14	168.9	31.79	164.4	31.27	160.1	29.94	151.2	27.28
		221.5	178.3	33.24	175.1	32.00	170.2	31.72	165.8	31.04	161.3	29.71	152.4	27.05
		443.0	184.1	31.91	180.3	31.45	175.6	31.45	171.2	30.12	166.2	28.79	157.3	26.13
		553.8	185.1	32.69	182.1	32.18	177.8	31.45	172.9	30.12	168.5	29.62	159.2	28.79
		664.5	185.5	33.08	183.0	32.55	178.9	31.45	173.8	30.12	169.6	30.03	160.1	30.13
	20	177.2	183.6	30.80	180.2	29.36	175.5	28.72	170.6	27.80	165.7	27.18	155.8	26.35
		221.5	185.1	30.58	181.7	29.34	176.8	28.70	172.0	27.92	167.1	27.37	157.3	26.13
		443.0	190.9	29.71	187.5	29.25	182.2	28.61	177.4	28.38	172.9	28.10	163.1	25.26
		553.8	191.7	29.71	188.8	29.25	184.4	28.79	179.1	28.38	174.3	28.10	164.4	26.87
		664.5	192.1	29.71	189.5	29.25	185.5	28.88	180.0	28.38	175.0	28.10	165.1	27.67
	25	177.2	193.8	29.36	188.8	28.52	184.4	28.04	180.9	27.57	176.8	27.16	166.7	25.38
		221.5	193.8	29.25	188.8	28.47	184.4	27.92	180.9	27.46	176.8	27.05	166.7	25.26
		443.0	193.8	28.79	188.8	28.29	184.4	27.46	180.9	27.05	176.8	26.59	166.7	24.80
		553.8	193.8	28.38	188.8	27.55	184.4	27.05	180.9	26.59	176.8	26.13	166.7	24.39
		664.5	193.8	28.17	188.8	27.18	184.4	26.84	180.9	26.36	176.8	25.90	166.7	24.18
	30	177.2	193.8	28.61	188.8	27.19	184.4	26.94	180.9	26.24	176.8	25.95	166.7	24.15
		221.5	193.8	28.38	188.8	27.14	184.4	26.77	180.9	26.13	176.8	25.72	166.7	23.93
		443.0	193.8	27.46	188.8	26.96	184.4	26.13	180.9	25.72	176.8	24.80	166.7	23.06
		553.8	193.8	27.05	188.8	26.22	184.4	25.72	180.9	25.26	176.8	24.80	166.7	23.06
		664.5	193.8	26.84	188.8	25.85	184.4	25.51	180.9	25.03	176.8	24.80	166.7	23.06
	35	177.2	193.8	27.28	188.8	26.37	184.4	25.83	180.9	24.91	176.8	24.05	166.7	22.36
		221.5	193.8	27.05	188.8	26.22	184.4	25.72	180.9	24.80	176.8	23.93	166.7	22.14
		443.0	193.8	26.13	188.8	25.63	184.4	25.26	180.9	24.39	176.8	23.47	166.7	21.27
		553.8	193.8	26.13	188.8	25.35	184.4	24.80	180.9	23.93	176.8	23.06	166.7	21.27
		664.5	193.8	26.13	188.8	25.21	184.4	24.57	180.9	23.70	176.8	22.85	166.7	21.27
	40	177.2	193.8	26.35	188.8	25.51	184.4	25.02	180.9	24.15	176.8	23.29	166.7	21.03
		221.5	193.8	26.13	188.8	25.35	184.4	24.80	180.9	23.93	176.8	23.06	166.7	20.81
		443.0	193.8	25.26	188.8	24.71	184.4	23.93	180.9	23.06	176.8	22.14	166.7	19.94
		553.8	193.8	24.80	188.8	24.30	184.4	23.93	180.9	23.06	176.8	22.14	166.7	19.94
		664.5	193.8	24.57	188.8	24.09	184.4	23.93	180.9	23.06	176.8	22.14	166.7	19.94
	45	177.2	193.8	25.48	188.8	24.64	184.4	24.27	180.9	23.40	176.8	22.48	166.7	19.70
		221.5	193.8	25.26	188.8	24.48	184.4	23.93	180.9	23.06	176.8	22.14	166.7	19.48
		443.0	193.8	24.39	188.8	23.84	184.4	22.60	180.9	21.73	176.8	20.81	166.7	18.61
		553.8	193.8	23.47	188.8	23.24	184.4	23.06	180.9	22.14	176.8	21.27	166.7	18.61
		664.5	193.8	23.01	188.8	22.94	184.4	23.29	180.9	22.35	176.8	21.50	166.7	18.61
120	-5	177.2	65.1	27.85	64.6	26.22	64.2	24.41	63.5	23.38	64.0	22.70	62.3	20.32
		221.5	67.4	28.33	66.9	26.73	66.5	24.94	65.6	23.89	66.2	23.20	64.4	20.77
		443.0	76.3	30.26	75.6	28.74	75.2	27.05	74.3	25.90	74.9	25.17	72.9	22.56
		553.8	84.2	32.18	83.6	30.72	83.0	29.16	82.1	27.97	82.8	27.14	80.5	24.30
		664.5	88.3	33.15	87.6	31.71	87.0	30.22	86.0	29.00	86.7	28.13	84.3	25.18
	0	177.2	116.5	38.08	113.6	36.95	111.2	35.75	108.9	34.23	108.9	33.28	104.0	29.75
		221.5	117.1	38.19	114.3	37.04	111.9	35.85	109.6	34.34	109.6	33.38	104.6	29.84
		443.0	119.8	38.60	117.0	37.41	114.6	36.26	112.1	34.75	112.1	33.74	107.2	30.21
		553.8	121.7	38.60	118.9	37.41	116.3	36.26	113.9	34.75	113.8	33.74	108.8	30.21
		664.5	122.7	38.60	119.8	37.41	117.2	36.26	114.8	34.75	114.6	33.74	109.6	30.21

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	177.2	167.9	40.94	165.4	39.93	161.7	38.91	157.8	37.26	152.9	36.22	144.5	32.43
		221.5	168.5	41.12	165.7	40.11	161.7	39.11	157.8	37.46	152.9	36.40	144.5	32.60
		443.0	170.9	41.86	166.9	40.85	161.7	39.89	157.8	38.23	152.9	37.13	144.5	33.24
		553.8	171.9	42.13	165.9	41.12	161.7	40.16	157.8	38.51	152.9	37.41	144.5	33.47
		664.5	172.3	42.27	165.5	41.26	161.7	40.30	157.8	38.65	152.9	37.55	144.5	33.58
	10	177.2	168.5	36.78	165.4	35.76	161.3	35.04	157.4	33.97	152.4	32.85	144.1	29.54
		221.5	169.3	36.91	166.1	35.90	161.7	35.16	157.8	34.02	152.9	32.82	144.5	29.57
		443.0	172.4	37.41	168.8	36.45	163.5	35.67	159.6	34.20	154.5	32.73	146.0	29.71
		553.8	173.3	37.27	168.2	36.45	164.2	35.80	160.3	34.34	155.1	32.87	146.7	30.72
		664.5	173.8	37.20	167.9	36.45	164.5	35.87	160.6	34.41	155.5	32.94	147.0	31.22
	15	177.2	169.0	32.62	165.6	31.66	160.8	31.16	157.0	30.69	152.1	29.47	143.7	26.71
		221.5	170.0	32.69	166.6	31.72	161.7	31.22	157.8	30.58	152.9	29.25	144.5	26.59
		443.0	173.9	32.96	170.6	32.00	165.4	31.45	161.3	30.12	156.0	28.38	147.6	26.13
		553.8	174.8	32.46	170.5	31.72	166.7	31.45	162.7	30.12	157.3	28.38	148.9	27.92
		664.5	175.3	32.20	170.4	31.59	167.4	31.45	163.4	30.12	158.0	28.38	149.6	28.82
	20	177.2	173.7	29.34	170.4	28.09	165.3	27.35	160.7	26.94	155.5	26.61	147.1	25.26
		221.5	174.8	29.34	171.5	28.19	166.2	27.46	161.7	27.05	156.5	26.59	148.0	25.17
		443.0	179.3	29.34	175.5	28.61	169.8	27.92	165.8	27.46	160.4	26.50	151.5	24.80
		553.8	180.1	29.07	175.4	28.38	171.2	27.92	166.7	27.46	161.3	26.59	152.4	25.72
		664.5	180.5	28.93	175.3	28.26	171.9	27.92	167.2	27.46	161.8	26.64	152.9	26.18
	25	177.2	182.1	27.75	176.8	26.45	171.2	25.95	167.5	25.38	163.1	24.91	154.2	23.18
		221.5	182.2	27.64	176.8	26.41	171.2	25.90	167.5	25.26	163.1	24.80	154.2	23.06
		443.0	182.6	27.23	176.8	26.22	171.2	25.72	167.5	24.80	163.1	24.39	154.2	22.60
		553.8	183.2	26.22	176.8	25.54	171.2	25.26	167.5	24.80	163.1	23.93	154.2	22.60
		664.5	183.5	25.71	176.8	25.19	171.2	25.03	167.5	24.80	163.1	23.70	154.2	22.60
	30	177.2	183.2	26.53	176.8	25.23	171.2	24.51	167.5	23.58	163.1	23.29	154.2	21.39
		221.5	183.2	26.31	176.8	25.08	171.2	24.39	167.5	23.47	163.1	23.06	154.2	21.27
		443.0	183.2	25.44	176.8	24.48	171.2	23.93	167.5	23.06	163.1	22.14	154.2	20.81
		553.8	183.2	24.62	176.8	23.93	171.2	23.47	167.5	23.06	163.1	22.14	154.2	20.40
		664.5	183.2	24.20	176.8	23.65	171.2	23.24	167.5	23.06	163.1	22.14	154.2	20.19
	35	177.2	183.2	25.34	176.8	23.97	171.2	23.29	167.5	22.36	163.1	21.49	154.2	19.59
		221.5	183.2	24.99	176.8	23.75	171.2	23.06	167.5	22.14	163.1	21.27	154.2	19.48
		443.0	183.2	23.56	176.8	22.88	171.2	22.14	167.5	21.27	163.1	20.40	154.2	19.07
		553.8	183.2	23.29	176.8	22.69	171.2	22.14	167.5	21.27	163.1	20.40	154.2	18.61
		664.5	183.2	23.15	176.8	22.60	171.2	22.14	167.5	21.27	163.1	20.40	154.2	18.38
	40	177.2	183.2	24.59	176.8	22.87	171.2	21.96	167.5	21.03	163.1	20.16	154.2	18.26
		221.5	183.2	24.11	176.8	22.60	171.2	21.73	167.5	20.81	163.1	19.94	154.2	18.15
		443.0	183.2	22.23	176.8	21.55	171.2	20.81	167.5	19.94	163.1	19.07	154.2	17.74
		553.8	183.2	21.96	176.8	21.27	171.2	20.81	167.5	19.94	163.1	19.07	154.2	17.28
		664.5	183.2	21.82	176.8	21.13	171.2	20.81	167.5	19.94	163.1	19.07	154.2	17.05
	45	177.2	183.2	23.83	176.8	21.77	171.2	20.63	167.5	19.70	163.1	18.83	154.2	16.93
		221.5	183.2	23.24	176.8	21.46	171.2	20.40	167.5	19.48	163.1	18.61	154.2	16.83
		443.0	183.2	20.91	176.8	20.22	171.2	19.48	167.5	18.61	163.1	17.74	154.2	16.41
		553.8	183.2	20.63	176.8	19.85	171.2	19.48	167.5	18.61	163.1	17.74	154.2	15.95
		664.5	183.2	20.49	176.8	19.67	171.2	19.48	167.5	18.61	163.1	17.74	154.2	15.72
110	-5	177.2	61.6	28.21	61.2	26.22	60.8	24.41	60.2	23.38	60.4	22.70	59.0	20.32
		221.5	63.8	28.70	63.4	26.73	62.9	24.94	62.3	23.89	62.4	23.20	61.1	20.77
		443.0	72.1	30.62	71.7	28.74	71.3	27.05	70.5	25.90	70.5	25.17	69.1	22.56
		553.8	79.7	32.60	79.1	30.72	78.7	29.16	77.9	27.97	77.9	27.14	76.3	24.30
		664.5	83.5	33.59	82.9	31.71	82.5	30.22	81.6	29.00	81.6	28.13	79.9	25.18
	0	177.2	110.2	38.60	107.7	36.95	105.5	35.75	103.4	34.23	102.5	33.28	98.6	29.75
		221.5	110.8	38.69	108.4	37.04	106.1	35.85	104.1	34.34	103.1	33.38	99.2	29.84
		443.0	113.4	39.06	110.9	37.41	108.5	36.26	106.5	34.75	105.5	33.74	101.5	30.21
		553.8	115.1	39.06	112.7	37.41	110.3	36.26	108.1	34.75	107.2	33.74	103.0	30.21
		664.5	116.0	39.06	113.6	37.41	111.1	36.26	108.9	34.75	108.0	33.74	103.7	30.21
	5	177.2	160.7	41.49	156.9	39.93	153.2	38.91	149.8	37.26	144.0	36.22	136.9	32.43
		221.5	161.2	41.67	157.2	40.11	153.3	39.11	149.8	37.46	144.0	36.40	136.9	32.60
		443.0	163.4	42.41	158.4	40.85	153.4	39.89	149.8	38.23	144.0	37.13	136.9	33.24
		553.8	164.3	42.68	158.8	41.12	153.4	40.16	149.8	38.51	144.0	37.41	136.9	33.47
		664.5	164.8	42.82	159.0	41.26	153.4	40.30	149.8	38.65	144.0	37.55	136.9	33.58
	10	177.2	161.3	37.20	157.3	35.93	153.0	35.15	149.5	33.97	143.7	32.85	136.8	29.54
		221.5	161.9	37.27	157.7	36.03	153.3	35.25	149.8	34.02	144.0	32.82	136.9	29.57
		443.0	164.3	37.55	159.3	36.45	154.2	35.67	150.7	34.20	144.9	32.73	137.6	29.71
		553.8	165.3	37.55	160.0	36.45	154.7	35.58	151.0	34.11	145.2	32.87	138.0	30.03
		664.5	165.7	37.55	160.3	36.45	155.0	35.53	151.1	34.06	145.3	32.94	138.2	30.19

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	177.2	161.7	32.92	157.5	32.00	152.9	31.45	149.3	30.69	143.5	29.47	136.6	26.71
		221.5	162.4	32.87	158.1	32.00	153.4	31.45	149.8	30.58	144.0	29.25	136.9	26.59
		443.0	165.1	32.69	160.4	32.00	155.1	31.45	151.5	30.12	145.8	28.38	138.3	26.13
		553.8	166.1	32.46	161.2	31.72	156.0	31.04	152.0	29.71	146.2	28.38	139.1	26.59
		664.5	166.5	32.34	161.6	31.59	156.4	30.83	152.3	29.50	146.5	28.38	139.5	26.82
	20	177.2	164.8	28.41	160.3	27.74	155.1	27.05	150.9	26.59	145.4	25.83	137.8	24.16
		221.5	165.7	28.47	160.8	27.74	155.5	27.05	151.5	26.59	145.8	25.72	138.3	24.11
		443.0	169.2	28.70	163.0	27.74	157.3	27.05	153.8	26.59	147.6	25.26	140.5	23.93
		553.8	170.1	28.70	164.3	27.74	158.2	27.05	154.2	26.13	148.4	25.26	140.9	23.93
		664.5	170.6	28.70	165.0	27.74	158.7	27.05	154.4	25.90	148.8	25.26	141.1	23.93
	25	177.2	169.9	25.86	164.8	24.91	158.2	24.51	154.7	23.58	149.3	22.72	141.4	20.81
		221.5	170.2	25.81	164.8	24.80	158.2	24.39	154.7	23.47	149.3	22.60	141.4	20.81
		443.0	171.6	25.63	164.8	24.39	158.2	23.93	154.7	23.06	149.3	22.14	141.4	20.81
		553.8	172.4	25.63	164.8	24.48	158.2	23.47	154.7	23.06	149.3	21.73	141.4	20.40
		664.5	172.8	25.63	164.8	24.53	158.2	23.24	154.7	23.06	149.3	21.52	141.4	20.19
	30	177.2	172.4	23.58	164.8	22.72	158.2	21.85	154.7	21.39	149.3	20.06	141.4	18.73
		221.5	172.4	23.47	164.8	22.60	158.2	21.73	154.7	21.27	149.3	19.94	141.4	18.61
		443.0	172.4	23.06	164.8	22.14	158.2	21.27	154.7	20.81	149.3	19.48	141.4	18.15
		553.8	172.4	22.88	164.8	21.73	158.2	20.81	154.7	20.40	149.3	19.48	141.4	18.15
		664.5	172.4	22.78	164.8	21.52	158.2	20.58	154.7	20.19	149.3	19.48	141.4	18.15
	35	177.2	172.4	22.36	164.8	20.92	158.2	20.06	154.7	19.19	149.3	18.26	141.4	16.93
		221.5	172.4	22.14	164.8	20.81	158.2	19.94	154.7	19.07	149.3	18.15	141.4	16.83
		443.0	172.4	21.27	164.8	20.40	158.2	19.48	154.7	18.61	149.3	17.74	141.4	16.41
		553.8	172.4	20.72	164.8	19.94	158.2	19.07	154.7	18.61	149.3	17.74	141.4	16.41
		664.5	172.4	20.44	164.8	19.71	158.2	18.86	154.7	18.61	149.3	17.74	141.4	16.41
	40	177.2	172.4	21.03	164.8	20.16	158.2	18.83	154.7	17.86	149.3	16.93	141.4	15.60
		221.5	172.4	20.81	164.8	19.94	158.2	18.61	154.7	17.74	149.3	16.83	141.4	15.50
		443.0	172.4	19.94	164.8	19.07	158.2	17.74	154.7	17.28	149.3	16.41	141.4	15.08
		553.8	172.4	19.67	164.8	18.61	158.2	17.74	154.7	16.83	149.3	15.95	141.4	14.62
		664.5	172.4	19.53	164.8	18.38	158.2	17.74	154.7	16.59	149.3	15.72	141.4	14.39
	45	177.2	172.4	19.70	164.8	19.41	158.2	17.62	154.7	16.53	149.3	15.60	141.4	14.27
		221.5	172.4	19.48	164.8	19.07	158.2	17.28	154.7	16.41	149.3	15.50	141.4	14.17
		443.0	172.4	18.61	164.8	17.74	158.2	15.95	154.7	15.95	149.3	15.08	141.4	13.75
		553.8	172.4	18.61	164.8	17.28	158.2	16.41	154.7	15.08	149.3	14.17	141.4	12.84
		664.5	172.4	18.61	164.8	17.05	158.2	16.64	154.7	14.64	149.3	13.70	141.4	12.37
100	-5	177.2	58.2	28.21	57.8	26.58	57.6	24.41	57.1	23.38	56.6	22.33	55.5	20.32
		221.5	60.3	28.70	59.8	27.09	59.6	24.94	59.0	23.89	58.5	22.83	57.4	20.77
		443.0	68.2	30.62	67.8	29.11	67.4	27.05	66.7	25.90	66.2	24.80	65.1	22.56
		553.8	75.3	32.60	74.8	31.13	74.4	29.16	73.7	27.97	73.2	26.73	71.8	24.30
		664.5	78.9	33.59	78.3	32.15	77.9	30.22	77.3	29.00	76.7	27.70	75.2	25.18
	0	177.2	104.1	38.60	101.8	37.45	99.7	35.75	98.0	34.23	96.2	32.78	92.9	29.75
		221.5	104.7	38.69	102.4	37.55	100.3	35.85	98.5	34.34	96.8	32.87	93.4	29.84
		443.0	107.2	39.06	104.9	37.91	102.6	36.26	100.8	34.75	99.1	33.24	95.6	30.21
		553.8	108.8	39.06	106.5	37.91	104.2	36.26	102.3	34.75	100.6	33.24	97.0	30.21
		664.5	109.6	39.06	107.3	37.91	105.0	36.26	103.1	34.75	101.3	33.24	97.8	30.21
	5	177.2	153.7	41.49	148.5	40.48	144.7	38.91	141.8	37.26	135.1	35.67	128.9	32.43
		221.5	154.2	41.67	148.8	40.66	144.8	39.11	141.8	37.46	135.1	35.85	128.9	32.60
		443.0	156.4	42.41	149.9	41.40	144.9	39.89	141.8	38.23	135.1	36.58	128.9	33.24
		553.8	157.3	42.68	150.3	41.67	144.9	40.16	141.8	38.51	135.1	36.81	128.9	33.47
		664.5	157.8	42.82	150.5	41.81	144.9	40.30	141.8	38.65	135.1	36.93	128.9	33.58
	10	177.2	154.5	37.10	149.0	36.28	144.9	35.15	141.8	33.97	135.1	32.29	128.9	29.54
		221.5	154.9	37.27	149.2	36.40	144.9	35.25	141.8	34.02	135.1	32.32	128.9	29.57
		443.0	156.4	37.96	150.0	36.86	144.9	35.67	141.8	34.20	135.1	32.46	128.9	29.71
		553.8	157.4	37.82	150.7	36.86	144.9	35.58	141.8	34.11	135.1	32.37	128.9	29.57
		664.5	158.0	37.75	151.0	36.86	144.9	35.53	141.8	34.06	135.1	32.32	128.9	29.50
	15	177.2	155.3	32.71	149.7	32.16	144.9	31.45	141.8	30.69	135.1	28.89	128.9	26.71
		221.5	155.5	32.87	149.8	32.18	144.9	31.45	141.8	30.58	135.1	28.79	128.9	26.59
		443.0	156.4	33.51	150.2	32.27	144.9	31.45	141.8	30.12	135.1	28.38	128.9	26.13
		553.8	157.7	32.96	151.0	32.00	144.9	31.04	141.8	29.71	135.1	27.92	128.9	25.72
		664.5	158.4	32.69	151.4	31.86	144.9	30.83	141.8	29.50	135.1	27.69	128.9	25.51
	20	177.2	156.2	27.98	150.5	27.25	144.9	26.59	141.8	26.24	135.1	24.51	128.9	23.29
		221.5	156.8	28.10	150.6	27.28	144.9	26.59	141.8	26.13	135.1	24.39	128.9	23.06
		443.0	159.1	28.61	151.0	27.37	144.9	26.59	141.8	25.72	135.1	23.93	128.9	22.14
		553.8	160.0	28.10	152.3	27.14	144.9	26.13	141.8	25.26	135.1	23.47	128.9	21.73
		664.5	160.5	27.85	153.0	27.02	144.9	25.90	141.8	25.03	135.1	23.24	128.9	21.52

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	177.2	158.1	24.46	152.9	23.69	144.9	22.72	141.8	21.85	135.1	20.52	128.9	18.61
		221.5	158.6	24.48	152.9	23.56	144.9	22.60	141.8	21.73	135.1	20.40	128.9	18.61
		443.0	160.9	24.57	152.9	23.06	144.9	22.14	141.8	21.27	135.1	19.94	128.9	18.61
		553.8	161.7	24.02	152.9	22.88	144.9	21.73	141.8	20.81	135.1	19.94	128.9	18.15
		664.5	162.2	23.75	152.9	22.78	144.9	21.52	141.8	20.58	135.1	19.94	128.9	17.92
	30	177.2	161.7	22.25	152.9	20.52	144.9	19.12	141.8	18.73	135.1	17.28	128.9	16.53
		221.5	161.7	22.14	152.9	20.40	144.9	19.07	141.8	18.61	135.1	17.28	128.9	16.41
		443.0	161.7	21.73	152.9	19.94	144.9	18.89	141.8	18.15	135.1	17.28	128.9	15.95
		553.8	161.7	21.27	152.9	19.94	144.9	18.61	141.8	18.15	135.1	16.83	128.9	15.95
		664.5	161.7	21.04	152.9	19.94	144.9	18.47	141.8	18.15	135.1	16.59	128.9	15.95
	35	177.2	161.7	20.63	152.9	18.83	144.9	16.87	141.8	16.53	135.1	15.60	128.9	14.27
		221.5	161.7	20.40	152.9	18.61	144.9	16.83	141.8	16.41	135.1	15.50	128.9	14.17
		443.0	161.7	19.48	152.9	17.74	144.9	16.64	141.8	15.95	135.1	15.08	128.9	13.75
		553.8	161.7	19.48	152.9	17.74	144.9	16.41	141.8	15.95	135.1	15.08	128.9	13.75
		664.5	161.7	19.48	152.9	17.74	144.9	16.30	141.8	15.95	135.1	15.08	128.9	13.75
	40	177.2	161.7	19.30	152.9	17.50	144.9	15.13	141.8	14.74	135.1	13.87	128.9	12.94
		221.5	161.7	19.07	152.9	17.28	144.9	15.08	141.8	14.62	135.1	13.75	128.9	12.84
		443.0	161.7	18.15	152.9	16.41	144.9	14.90	141.8	14.17	135.1	13.30	128.9	12.42
		553.8	161.7	17.74	152.9	16.41	144.9	14.62	141.8	14.17	135.1	13.30	128.9	12.42
		664.5	161.7	17.53	152.9	16.41	144.9	14.49	141.8	14.17	135.1	13.30	128.9	12.42
	45	177.2	161.7	17.97	152.9	16.17	144.9	13.34	141.8	12.94	135.1	12.08	128.9	11.61
		221.5	161.7	17.74	152.9	15.95	144.9	13.30	141.8	12.84	135.1	11.97	128.9	11.51
		443.0	161.7	16.83	152.9	15.08	144.9	13.11	141.8	12.42	135.1	11.51	128.9	11.09
		553.8	161.7	15.95	152.9	15.08	144.9	12.84	141.8	12.42	135.1	11.51	128.9	11.09
		664.5	161.7	15.52	152.9	15.08	144.9	12.70	141.8	12.42	135.1	11.51	128.9	11.09
90	-5	177.2	55.0	26.18	53.3	23.85	51.7	20.95	51.3	19.96	50.9	19.24	50.1	17.27
		221.5	56.9	26.64	55.1	24.30	53.5	21.41	53.1	20.40	52.7	19.67	51.8	17.65
		443.0	64.4	28.42	62.4	26.09	60.5	23.24	60.1	22.14	59.7	21.36	58.5	19.16
		553.8	71.2	30.21	68.9	27.92	66.9	25.08	66.3	23.89	65.9	23.01	64.7	20.68
		664.5	74.6	31.11	72.1	28.84	70.0	26.00	69.4	24.76	69.0	23.85	67.8	21.44
	0	177.2	98.4	35.67	93.8	33.47	89.5	30.73	88.2	29.31	86.7	28.21	83.5	25.33
		221.5	98.9	35.76	94.4	33.56	90.0	30.81	88.7	29.39	87.2	28.29	84.0	25.40
		443.0	101.2	36.13	96.5	33.93	92.2	31.13	90.7	29.71	89.2	28.61	86.0	25.67
		553.8	102.7	36.13	98.0	33.93	93.7	31.13	92.1	29.71	90.7	28.61	87.3	25.67
		664.5	103.5	36.13	98.7	33.93	94.4	31.13	92.7	29.71	91.5	28.61	88.0	25.67
	5	177.2	139.0	38.29	134.5	36.14	130.2	33.44	127.5	31.88	121.9	30.69	116.1	27.55
		221.5	139.1	38.46	134.4	36.31	130.2	33.60	127.5	32.05	121.9	30.85	116.1	27.69
		443.0	139.6	39.15	134.0	37.00	130.2	34.25	127.5	32.69	121.9	31.50	116.1	28.24
		553.8	140.5	39.38	134.4	37.23	130.2	34.52	127.5	32.92	121.9	31.72	116.1	28.47
		664.5	140.9	39.50	134.6	37.34	130.2	34.66	127.5	33.03	121.9	31.84	116.1	28.59
	10	177.2	139.7	33.81	135.0	32.15	130.2	30.27	127.5	29.03	121.9	27.85	116.1	25.10
		221.5	139.6	33.83	134.8	32.18	130.2	30.30	127.5	29.07	121.9	27.83	116.1	25.12
		443.0	139.4	33.93	134.1	32.32	130.2	30.44	127.5	29.20	121.9	27.74	116.1	25.21
		553.8	140.3	33.83	134.5	32.23	130.2	30.35	127.5	29.11	121.9	27.83	116.1	25.31
		664.5	140.8	33.79	134.7	32.18	130.2	30.30	127.5	29.07	121.9	27.87	116.1	25.35
	15	177.2	140.4	29.27	135.4	28.22	130.2	27.16	127.5	26.24	121.9	25.02	116.1	22.72
		221.5	140.2	29.16	135.2	28.10	130.2	27.05	127.5	26.13	121.9	24.80	116.1	22.60
		443.0	139.2	28.70	134.3	27.64	130.2	26.59	127.5	25.72	121.9	23.93	116.1	22.14
		553.8	140.2	28.29	134.7	27.23	130.2	26.13	127.5	25.26	121.9	23.93	116.1	22.14
		664.5	140.7	28.08	134.9	27.02	130.2	25.90	127.5	25.03	121.9	23.93	116.1	22.14
	20	177.2	141.3	24.71	136.0	24.00	130.2	23.18	127.5	22.25	121.9	21.49	116.1	20.16
		221.5	141.1	24.71	135.7	23.93	130.2	23.06	127.5	22.14	121.9	21.27	116.1	19.94
		443.0	140.6	24.71	134.7	23.66	130.2	22.60	127.5	21.73	121.9	20.40	116.1	19.07
		553.8	141.0	24.30	135.1	23.47	130.2	22.60	127.5	21.73	121.9	20.40	116.1	19.07
		664.5	141.2	24.09	135.3	23.38	130.2	22.60	127.5	21.73	121.9	20.40	116.1	19.07
	25	177.2	143.6	21.59	137.8	20.45	130.2	19.59	127.5	18.61	121.9	17.86	116.1	16.53
		221.5	144.0	21.55	137.8	20.40	130.2	19.48	127.5	18.61	121.9	17.74	116.1	16.41
		443.0	145.3	21.36	137.8	20.22	130.2	19.07	127.5	18.61	121.9	17.28	116.1	15.95
		553.8	145.8	20.81	137.8	19.76	130.2	19.07	127.5	18.15	121.9	17.28	116.1	15.95
		664.5	146.1	20.54	137.8	19.53	130.2	19.07	127.5	17.92	121.9	17.28	116.1	15.95
	30	177.2	145.8	19.59	137.8	18.26	130.2	16.93	127.5	16.53	121.9	15.60	116.1	14.17
		221.5	145.8	19.48	137.8	18.15	130.2	16.83	127.5	16.41	121.9	15.50	116.1	14.17
		443.0	145.8	19.07	137.8	17.74	130.2	16.41	127.5	15.95	121.9	15.08	116.1	14.17
		553.8	145.8	18.61	137.8	17.28	130.2	16.41	127.5	15.95	121.9	15.08	116.1	13.75
		664.5	145.8	18.38	137.8	17.05	130.2	16.41	127.5	15.95	121.9	15.08	116.1	13.55

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	177.2	145.8	17.86	137.8	16.53	130.2	15.20	127.5	14.74	121.9	13.87	116.1	12.94
		221.5	145.8	17.74	137.8	16.41	130.2	15.08	127.5	14.62	121.9	13.75	116.1	12.84
		443.0	145.8	17.28	137.8	15.95	130.2	14.62	127.5	14.17	121.9	13.30	116.1	12.42
		553.8	145.8	16.83	137.8	15.50	130.2	14.17	127.5	13.75	121.9	13.30	116.1	12.42
		664.5	145.8	16.59	137.8	15.26	130.2	13.94	127.5	13.55	121.9	13.30	116.1	12.42
	40	177.2	145.8	16.64	137.8	15.20	130.2	13.41	127.5	12.94	121.9	12.54	116.1	11.61
		221.5	145.8	16.41	137.8	15.08	130.2	13.30	127.5	12.84	121.9	12.42	116.1	11.51
		443.0	145.8	15.50	137.8	14.62	130.2	12.84	127.5	12.42	121.9	11.97	116.1	11.09
		553.8	145.8	15.50	137.8	14.62	130.2	12.84	127.5	12.42	121.9	11.97	116.1	11.09
		664.5	145.8	15.50	137.8	14.62	130.2	12.84	127.5	12.42	121.9	11.97	116.1	11.09
	45	177.2	145.8	15.42	137.8	13.87	130.2	11.61	127.5	11.21	121.9	11.21	116.1	10.28
		221.5	145.8	15.08	137.8	13.75	130.2	11.51	127.5	11.09	121.9	11.09	116.1	10.18
		443.0	145.8	13.75	137.8	13.30	130.2	11.09	127.5	10.64	121.9	10.64	116.1	9.76
		553.8	145.8	14.17	137.8	13.75	130.2	11.51	127.5	11.09	121.9	10.64	116.1	9.76
		664.5	145.8	14.37	137.8	13.98	130.2	11.71	127.5	11.33	121.9	10.64	116.1	9.76
80	-5	177.2	52.0	18.65	48.7	17.94	46.1	17.19	45.6	16.60	45.3	15.84	44.4	14.59
		221.5	53.8	19.07	50.4	18.34	47.7	17.56	47.2	16.96	46.9	16.18	46.0	14.90
		443.0	60.8	20.72	57.0	19.90	53.9	19.03	53.4	18.38	53.1	17.56	52.0	16.14
		553.8	67.3	22.33	62.9	21.46	59.6	20.54	58.9	19.85	58.6	18.93	57.4	17.42
		664.5	70.5	23.14	65.9	22.24	62.4	21.30	61.7	20.59	61.4	19.63	60.1	18.07
	0	177.2	92.8	27.38	85.6	26.28	79.7	25.19	78.2	24.32	77.2	23.17	74.2	21.35
		221.5	93.4	27.46	86.1	26.36	80.2	25.26	78.7	24.39	77.6	23.24	74.7	21.41
		443.0	95.7	27.78	88.2	26.68	82.1	25.54	80.6	24.66	79.5	23.52	76.4	21.64
		553.8	97.0	27.78	89.5	26.68	83.4	25.54	81.8	24.66	80.7	23.52	77.6	21.64
		664.5	97.7	27.78	90.2	26.68	84.1	25.54	82.4	24.66	81.4	23.52	78.3	21.64
	5	177.2	128.5	29.77	121.2	28.65	115.9	27.36	113.4	26.45	108.5	25.22	103.1	23.21
		221.5	128.7	29.94	121.4	28.79	115.9	27.51	113.4	26.59	108.5	25.35	103.1	23.34
		443.0	129.8	30.58	122.4	29.34	116.1	28.10	113.4	27.14	108.5	25.86	103.1	23.84
		553.8	129.8	30.76	122.3	29.57	116.1	28.29	113.4	27.32	108.5	26.04	103.1	23.98
		664.5	129.8	30.85	122.2	29.69	116.1	28.38	113.4	27.42	108.5	26.13	103.1	24.05
	10	177.2	129.1	27.40	121.7	26.17	115.9	24.84	113.4	24.15	108.5	22.86	103.1	21.17
		221.5	129.3	27.37	121.9	26.13	115.9	24.85	113.4	24.16	108.5	22.88	103.1	21.18
		443.0	129.8	27.23	122.4	25.99	116.1	24.89	113.4	24.21	108.5	22.92	103.1	21.23
		553.8	129.8	27.14	122.3	26.09	116.1	24.99	113.4	24.07	108.5	22.78	103.1	21.09
		664.5	129.8	27.09	122.2	26.13	116.1	25.03	113.4	24.00	108.5	22.72	103.1	21.02
	15	177.2	129.8	25.02	122.3	23.69	116.1	22.25	113.4	21.85	108.5	20.52	103.1	19.19
		221.5	129.8	24.80	122.3	23.47	116.1	22.14	113.4	21.73	108.5	20.40	103.1	19.07
		443.0	129.8	23.93	122.3	22.60	116.1	21.73	113.4	21.27	108.5	19.94	103.1	18.61
		553.8	129.8	23.47	122.3	22.60	116.1	21.73	113.4	20.81	108.5	19.48	103.1	18.15
		664.5	129.8	23.24	122.3	22.60	116.1	21.73	113.4	20.58	108.5	19.25	103.1	17.92
	20	177.2	129.8	20.92	122.3	20.06	116.1	19.07	113.4	18.73	108.5	17.86	103.1	16.53
		221.5	129.8	20.81	122.3	19.94	116.1	19.07	113.4	18.61	108.5	17.74	103.1	16.41
		443.0	129.8	20.40	122.3	19.48	116.1	19.07	113.4	18.15	108.5	17.28	103.1	15.95
		553.8	129.8	19.94	122.3	19.07	116.1	18.61	113.4	18.15	108.5	16.83	103.1	15.95
		664.5	129.8	19.71	122.3	18.86	116.1	18.38	113.4	18.15	108.5	16.59	103.1	15.95
	25	177.2	129.8	18.73	122.3	17.40	116.1	16.41	113.4	16.07	108.5	15.20	103.1	14.27
		221.5	129.8	18.61	122.3	17.28	116.1	16.41	113.4	15.95	108.5	15.08	103.1	14.17
		443.0	129.8	18.15	122.3	16.83	116.1	16.41	113.4	15.50	108.5	14.62	103.1	13.75
		553.8	129.8	17.74	122.3	16.83	116.1	15.95	113.4	15.50	108.5	14.62	103.1	13.75
		664.5	129.8	17.53	122.3	16.83	116.1	15.72	113.4	15.50	108.5	14.62	103.1	13.75
	30	177.2	129.8	16.53	122.3	15.60	116.1	14.74	113.4	14.27	108.5	13.41	103.1	12.54
		221.5	129.8	16.41	122.3	15.50	116.1	14.62	113.4	14.17	108.5	13.30	103.1	12.42
		443.0	129.8	15.95	122.3	15.08	116.1	14.17	113.4	13.75	108.5	12.84	103.1	11.97
		553.8	129.8	15.95	122.3	15.08	116.1	14.17	113.4	13.75	108.5	12.84	103.1	11.97
		664.5	129.8	15.95	122.3	15.08	116.1	14.17	113.4	13.75	108.5	12.84	103.1	11.97
	35	177.2	129.8	15.20	122.3	14.27	116.1	12.94	113.4	12.42	108.5	12.08	103.1	11.09
		221.5	129.8	15.08	122.3	14.17	116.1	12.84	113.4	12.42	108.5	11.97	103.1	11.09
		443.0	129.8	14.62	122.3	13.75	116.1	12.42	113.4	12.42	108.5	11.51	103.1	11.09
		553.8	129.8	14.62	122.3	13.30	116.1	12.42	113.4	11.97	108.5	11.51	103.1	10.64
		664.5	129.8	14.62	122.3	13.06	116.1	12.42	113.4	11.73	108.5	11.51	103.1	10.40
	40	177.2	129.8	14.39	122.3	12.94	116.1	11.51	113.4	11.61	108.5	10.64	103.1	10.28
		221.5	129.8	14.17	122.3	12.84	116.1	11.51	113.4	11.51	108.5	10.64	103.1	10.18
		443.0	129.8	13.30	122.3	12.42	116.1	11.51	113.4	11.09	108.5	10.64	103.1	9.76
		553.8	129.8	13.30	122.3	12.42	116.1	11.09	113.4	11.09	108.5	10.64	103.1	9.76
		664.5	129.8	13.30	122.3	12.42	116.1	10.89	113.4	11.09	108.5	10.64	103.1	9.76

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	177.2	129.8	13.63	122.3	11.61	116.1	10.06	113.4	10.86	108.5	9.19	103.1	9.53
		221.5	129.8	13.30	122.3	11.51	116.1	10.18	113.4	10.64	108.5	9.31	103.1	9.31
		443.0	129.8	11.97	122.3	11.09	116.1	10.64	113.4	9.76	108.5	9.76	103.1	8.44
		553.8	129.8	11.97	122.3	11.51	116.1	9.76	113.4	10.18	108.5	9.76	103.1	8.85
		664.5	129.8	11.97	122.3	11.71	116.1	9.33	113.4	10.39	108.5	9.76	103.1	9.06
70	-5	177.2	45.3	16.02	42.6	15.25	40.3	14.76	39.9	13.91	39.6	13.42	39.0	12.20
		221.5	46.9	16.37	44.1	15.59	41.7	15.08	41.2	14.21	41.0	13.71	40.3	12.47
		443.0	53.1	17.74	49.9	16.92	47.0	16.37	46.6	15.40	46.4	14.85	45.6	13.52
		553.8	58.8	19.16	55.1	18.25	52.0	17.65	51.6	16.60	51.2	16.05	50.3	14.58
		664.5	61.6	19.88	57.8	18.92	54.5	18.30	54.1	17.20	53.7	16.65	52.7	15.11
	0	177.2	81.2	23.45	75.0	22.36	69.7	21.62	68.5	20.34	67.4	19.66	65.0	17.88
		221.5	81.7	23.52	75.5	22.42	70.1	21.68	68.9	20.40	67.8	19.71	65.4	17.93
		443.0	83.6	23.79	77.2	22.65	71.7	21.96	70.5	20.63	69.4	19.94	66.9	18.11
		553.8	84.8	23.79	78.4	22.65	72.8	21.96	71.6	20.63	70.5	19.94	67.9	18.11
		664.5	85.4	23.79	79.1	22.65	73.3	21.96	72.1	20.63	71.0	19.94	68.5	18.11
	5	177.2	112.2	25.55	106.3	24.31	101.2	23.53	99.1	22.18	94.6	21.39	90.2	19.43
		221.5	112.4	25.67	106.5	24.44	101.2	23.66	99.1	22.28	94.6	21.50	90.2	19.53
		443.0	113.4	26.18	107.3	24.94	101.4	24.16	99.1	22.69	94.6	21.96	90.2	19.94
		553.8	113.4	26.36	107.2	25.12	101.4	24.34	99.1	22.88	94.6	22.10	90.2	20.08
		664.5	113.4	26.45	107.1	25.22	101.4	24.44	99.1	22.97	94.6	22.17	90.2	20.15
	10	177.2	112.7	23.52	106.7	22.24	101.4	21.41	99.1	20.22	94.6	19.39	90.2	17.74
		221.5	112.8	23.47	106.8	22.19	101.4	21.36	99.1	20.22	94.6	19.39	90.2	17.74
		443.0	113.4	23.29	107.2	22.01	101.4	21.18	99.1	20.22	94.6	19.39	90.2	17.74
		553.8	113.4	23.38	107.2	22.10	101.4	21.27	99.1	20.31	94.6	19.25	90.2	17.79
		664.5	113.4	23.43	107.2	22.14	101.4	21.32	99.1	20.36	94.6	19.19	90.2	17.81
	15	177.2	113.4	21.49	107.2	20.16	101.4	19.30	99.1	18.26	94.6	17.40	90.2	16.07
		221.5	113.4	21.27	107.2	19.94	101.4	19.07	99.1	18.15	94.6	17.28	90.2	15.95
		443.0	113.4	20.40	107.2	19.07	101.4	18.15	99.1	17.74	94.6	16.83	90.2	15.50
		553.8	113.4	20.40	107.2	19.07	101.4	18.15	99.1	17.74	94.6	16.41	90.2	15.50
		664.5	113.4	20.40	107.2	19.07	101.4	18.15	99.1	17.74	94.6	16.20	90.2	15.50
	20	177.2	113.4	17.86	107.2	16.93	101.4	16.53	99.1	16.07	94.6	15.20	90.2	14.27
		221.5	113.4	17.74	107.2	16.83	101.4	16.41	99.1	15.95	94.6	15.08	90.2	14.17
		443.0	113.4	17.28	107.2	16.41	101.4	15.95	99.1	15.50	94.6	14.62	90.2	13.75
		553.8	113.4	17.28	107.2	16.41	101.4	15.95	99.1	15.08	94.6	14.62	90.2	13.30
		664.5	113.4	17.28	107.2	16.41	101.4	15.95	99.1	14.88	94.6	14.62	90.2	13.06
	25	177.2	113.4	16.07	107.2	15.20	101.4	14.27	99.1	13.87	94.6	12.84	90.2	11.97
		221.5	113.4	15.95	107.2	15.08	101.4	14.17	99.1	13.75	94.6	12.84	90.2	11.97
		443.0	113.4	15.50	107.2	14.62	101.4	13.75	99.1	13.30	94.6	12.84	90.2	11.97
		553.8	113.4	15.08	107.2	14.17	101.4	13.75	99.1	13.30	94.6	12.42	90.2	11.97
		664.5	113.4	14.88	107.2	13.94	101.4	13.75	99.1	13.30	94.6	12.22	90.2	11.97
	30	177.2	113.4	14.27	107.2	13.41	101.4	12.54	99.1	11.97	94.6	11.61	90.2	10.64
		221.5	113.4	14.17	107.2	13.30	101.4	12.42	99.1	11.97	94.6	11.51	90.2	10.64
		443.0	113.4	13.75	107.2	12.84	101.4	11.97	99.1	11.97	94.6	11.09	90.2	10.64
		553.8	113.4	13.75	107.2	12.84	101.4	11.97	99.1	11.51	94.6	11.09	90.2	10.64
		664.5	113.4	13.75	107.2	12.84	101.4	11.97	99.1	11.28	94.6	11.09	90.2	10.64
	35	177.2	113.4	12.94	107.2	12.08	101.4	11.09	99.1	11.21	94.6	10.18	90.2	9.88
		221.5	113.4	12.84	107.2	11.97	101.4	11.09	99.1	11.09	94.6	10.18	90.2	9.76
		443.0	113.4	12.42	107.2	11.51	101.4	11.09	99.1	10.64	94.6	10.18	90.2	9.31
		553.8	113.4	12.42	107.2	11.51	101.4	10.64	99.1	10.64	94.6	10.18	90.2	9.31
		664.5	113.4	12.42	107.2	11.51	101.4	10.40	99.1	10.64	94.6	10.18	90.2	9.31
	40	177.2	113.4	12.08	107.2	11.21	101.4	10.28	99.1	9.76	94.6	9.31	90.2	8.95
		221.5	113.4	11.97	107.2	11.09	101.4	10.18	99.1	9.76	94.6	9.31	90.2	8.85
		443.0	113.4	11.51	107.2	10.64	101.4	9.76	99.1	9.76	94.6	9.31	90.2	8.44
		553.8	113.4	11.51	107.2	10.64	101.4	9.76	99.1	9.31	94.6	8.85	90.2	8.44
		664.5	113.4	11.51	107.2	10.64	101.4	9.76	99.1	9.08	94.6	8.62	90.2	8.44
	45	177.2	113.4	11.21	107.2	10.28	101.4	9.53	99.1	8.33	94.6	8.44	90.2	8.09
		221.5	113.4	11.09	107.2	10.18	101.4	9.31	99.1	8.44	94.6	8.44	90.2	7.98
		443.0	113.4	10.64	107.2	9.76	101.4	8.44	99.1	8.85	94.6	8.44	90.2	7.52
		553.8	113.4	10.64	107.2	9.76	101.4	8.85	99.1	7.98	94.6	7.52	90.2	7.52
		664.5	113.4	10.64	107.2	9.76	101.4	9.06	99.1	7.54	94.6	7.06	90.2	7.52
60	-5	177.2	38.9	13.01	36.5	12.51	34.5	12.02	34.1	11.17	34.0	10.99	33.3	9.82
		221.5	40.3	13.30	37.7	12.79	35.7	12.29	35.3	11.42	35.2	11.23	34.5	10.04
		443.0	45.7	14.44	42.7	13.89	40.4	13.34	40.0	12.38	39.9	12.19	39.1	10.91
		553.8	50.4	15.54	47.2	14.99	44.8	14.40	44.2	13.39	44.1	13.16	43.1	11.74
		664.5	52.8	16.10	49.4	15.55	46.9	14.93	46.3	13.89	46.2	13.64	45.2	12.15

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	177.2	69.7	19.06	64.2	18.38	59.9	17.59	58.7	16.37	57.9	16.14	55.8	14.41
		221.5	70.1	19.12	64.6	18.43	60.3	17.65	59.0	16.41	58.2	16.18	56.1	14.44
		443.0	71.7	19.35	66.0	18.61	61.7	17.88	60.4	16.60	59.6	16.37	57.3	14.58
		553.8	72.8	19.35	67.1	18.61	62.7	17.88	61.3	16.60	60.5	16.37	58.2	14.58
		664.5	73.3	19.35	67.7	18.61	63.2	17.88	61.8	16.60	61.0	16.37	58.7	14.58
	5	177.2	96.3	20.76	90.8	19.98	87.1	19.15	84.9	17.83	81.3	17.56	77.4	15.64
		221.5	96.5	20.86	91.0	20.08	87.1	19.25	84.9	17.93	81.3	17.65	77.4	15.72
		443.0	97.3	21.27	91.7	20.49	87.1	19.67	84.9	18.29	81.3	18.02	77.4	16.05
		553.8	97.3	21.46	91.5	20.63	87.1	19.80	84.9	18.43	81.3	18.11	77.4	16.18
		664.5	97.3	21.55	91.5	20.70	87.1	19.87	84.9	18.50	81.3	18.15	77.4	16.25
	10	177.2	96.8	19.07	91.2	18.25	87.1	17.38	84.9	16.23	81.3	15.92	77.4	14.27
		221.5	96.9	19.07	91.3	18.25	87.1	17.38	84.9	16.27	81.3	15.91	77.4	14.30
		443.0	97.3	19.07	91.7	18.25	87.1	17.38	84.9	16.46	81.3	15.86	77.4	14.44
		553.8	97.3	19.12	91.5	18.06	87.1	17.19	84.9	16.27	81.3	15.72	77.4	14.30
		664.5	97.3	19.14	91.5	17.97	87.1	17.10	84.9	16.18	81.3	15.66	77.4	14.23
	15	177.2	97.3	17.40	91.5	16.53	87.1	15.60	84.9	14.62	81.3	14.27	77.4	12.84
		221.5	97.3	17.28	91.5	16.41	87.1	15.50	84.9	14.62	81.3	14.17	77.4	12.84
		443.0	97.3	16.83	91.5	15.95	87.1	15.08	84.9	14.62	81.3	13.75	77.4	12.84
		553.8	97.3	16.83	91.5	15.50	87.1	14.62	84.9	14.17	81.3	13.30	77.4	12.42
		664.5	97.3	16.83	91.5	15.26	87.1	14.39	84.9	13.94	81.3	13.06	77.4	12.22
	20	177.2	97.3	15.20	91.5	14.27	87.1	13.41	84.9	12.94	81.3	12.54	77.4	11.61
		221.5	97.3	15.08	91.5	14.17	87.1	13.30	84.9	12.84	81.3	12.42	77.4	11.51
		443.0	97.3	14.62	91.5	13.75	87.1	12.84	84.9	12.42	81.3	11.97	77.4	11.09
		553.8	97.3	14.62	91.5	13.75	87.1	12.84	84.9	12.42	81.3	11.97	77.4	11.09
		664.5	97.3	14.62	91.5	13.75	87.1	12.84	84.9	12.42	81.3	11.97	77.4	11.09
	25	177.2	97.3	13.41	91.5	12.54	87.1	11.51	84.9	11.61	81.3	10.64	77.4	10.28
		221.5	97.3	13.30	91.5	12.42	87.1	11.51	84.9	11.51	81.3	10.64	77.4	10.18
		443.0	97.3	12.84	91.5	11.97	87.1	11.51	84.9	11.09	81.3	10.64	77.4	9.76
		553.8	97.3	12.84	91.5	11.97	87.1	11.09	84.9	11.09	81.3	10.64	77.4	9.76
		664.5	97.3	12.84	91.5	11.97	87.1	10.89	84.9	11.09	81.3	10.64	77.4	9.76
	30	177.2	97.3	12.08	91.5	11.21	87.1	10.75	84.9	10.28	81.3	9.88	77.4	9.42
		221.5	97.3	11.97	91.5	11.09	87.1	10.64	84.9	10.18	81.3	9.76	77.4	9.31
		443.0	97.3	11.51	91.5	10.64	87.1	10.18	84.9	9.76	81.3	9.31	77.4	8.85
		553.8	97.3	11.51	91.5	10.64	87.1	10.18	84.9	9.76	81.3	9.31	77.4	8.85
		664.5	97.3	11.51	91.5	10.64	87.1	10.18	84.9	9.76	81.3	9.31	77.4	8.85
	35	177.2	97.3	10.64	91.5	10.28	87.1	9.31	84.9	9.42	81.3	8.95	77.4	8.55
		221.5	97.3	10.64	91.5	10.18	87.1	9.31	84.9	9.31	81.3	8.85	77.4	8.44
		443.0	97.3	10.64	91.5	9.76	87.1	9.31	84.9	8.85	81.3	8.44	77.4	7.98
		553.8	97.3	10.64	91.5	9.76	87.1	8.85	84.9	8.85	81.3	8.44	77.4	7.98
		664.5	97.3	10.64	91.5	9.76	87.1	8.62	84.9	8.85	81.3	8.44	77.4	7.98
	40	177.2	97.3	9.76	91.5	9.42	87.1	8.44	84.9	8.55	81.3	8.09	77.4	7.52
		221.5	97.3	9.76	91.5	9.31	87.1	8.44	84.9	8.44	81.3	7.98	77.4	7.52
		443.0	97.3	9.76	91.5	8.85	87.1	8.44	84.9	7.98	81.3	7.52	77.4	7.52
		553.8	97.3	9.76	91.5	8.85	87.1	8.44	84.9	7.98	81.3	7.52	77.4	7.52
		664.5	97.3	9.76	91.5	8.85	87.1	8.44	84.9	7.98	81.3	7.52	77.4	7.52
	45	177.2	97.3	8.85	91.5	8.55	87.1	7.52	84.9	7.62	81.3	7.22	77.4	6.53
		221.5	97.3	8.85	91.5	8.44	87.1	7.52	84.9	7.52	81.3	7.11	77.4	6.65
		443.0	97.3	8.85	91.5	7.98	87.1	7.52	84.9	7.11	81.3	6.65	77.4	7.11
		553.8	97.3	8.85	91.5	7.98	87.1	7.98	84.9	7.11	81.3	6.65	77.4	7.11
		664.5	97.3	8.85	91.5	7.98	87.1	8.21	84.9	7.11	81.3	6.65	77.4	7.11
50	-5	177.2	32.5	10.37	30.5	9.82	28.8	9.29	28.4	8.79	28.3	8.25	27.8	7.81
		221.5	33.6	10.59	31.5	10.04	29.8	9.49	29.4	8.99	29.2	8.44	28.7	7.98
		443.0	37.9	11.46	35.6	10.91	33.7	10.27	33.3	9.76	33.2	9.17	32.5	8.62
		553.8	41.9	12.38	39.4	11.74	37.2	11.09	36.8	10.54	36.5	9.86	36.0	9.31
		664.5	44.0	12.84	41.3	12.15	39.0	11.51	38.6	10.94	38.2	10.20	37.8	9.65
	0	177.2	57.9	15.19	53.6	14.41	49.8	13.57	48.8	12.88	48.1	12.11	46.4	11.43
		221.5	58.2	15.22	53.9	14.44	50.1	13.62	49.1	12.93	48.4	12.15	46.6	11.46
		443.0	59.6	15.36	55.1	14.58	51.4	13.80	50.3	13.11	49.6	12.29	47.7	11.60
		553.8	60.5	15.36	55.9	14.58	52.0	13.80	51.1	13.11	50.3	12.29	48.5	11.60
		664.5	61.0	15.36	56.3	14.58	52.4	13.80	51.5	13.11	50.6	12.29	48.9	11.60
	5	177.2	80.0	16.51	75.9	15.64	72.3	14.77	70.6	14.05	67.5	13.19	64.4	12.40
		221.5	80.2	16.60	76.0	15.72	72.4	14.85	70.6	14.12	67.5	13.25	64.4	12.47
		443.0	80.9	16.92	76.6	16.05	72.5	15.17	70.6	14.40	67.5	13.48	64.4	12.74
		553.8	80.9	17.05	76.4	16.18	72.5	15.27	70.6	14.49	67.5	13.62	64.4	12.84
		664.5	80.9	17.12	76.4	16.25	72.5	15.31	70.6	14.53	67.5	13.69	64.4	12.88

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(46HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	177.2	80.5	15.20	76.1	14.32	72.3	13.46	70.6	12.86	67.5	11.88	64.4	11.35
		221.5	80.6	15.17	76.2	14.30	72.4	13.43	70.6	12.84	67.5	11.92	64.4	11.32
		443.0	80.9	15.08	76.6	14.26	72.5	13.34	70.6	12.74	67.5	12.06	64.4	11.23
		553.8	80.9	15.17	76.4	14.30	72.5	13.39	70.6	12.79	67.5	11.87	64.4	11.28
		664.5	80.9	15.22	76.4	14.33	72.5	13.41	70.6	12.81	67.5	11.78	64.4	11.30
	15	177.2	80.9	13.87	76.4	12.94	72.5	12.08	70.6	11.61	67.5	10.64	64.4	10.28
		221.5	80.9	13.75	76.4	12.84	72.5	11.97	70.6	11.51	67.5	10.64	64.4	10.18
		443.0	80.9	13.30	76.4	12.42	72.5	11.51	70.6	11.09	67.5	10.64	64.4	9.76
		553.8	80.9	13.30	76.4	12.42	72.5	11.51	70.6	11.09	67.5	10.18	64.4	9.76
		664.5	80.9	13.30	76.4	12.42	72.5	11.51	70.6	11.09	67.5	9.95	64.4	9.76
	20	177.2	80.9	12.08	76.4	11.21	72.5	10.75	70.6	10.28	67.5	9.88	64.4	8.85
		221.5	80.9	11.97	76.4	11.09	72.5	10.64	70.6	10.18	67.5	9.76	64.4	8.85
		443.0	80.9	11.51	76.4	10.64	72.5	10.18	70.6	9.76	67.5	9.31	64.4	8.85
		553.8	80.9	11.51	76.4	10.64	72.5	10.18	70.6	9.76	67.5	9.31	64.4	8.85
		664.5	80.9	11.51	76.4	10.64	72.5	10.18	70.6	9.76	67.5	9.31	64.4	8.85
	25	177.2	80.9	10.75	76.4	9.76	72.5	9.42	70.6	8.85	67.5	8.44	64.4	7.98
		221.5	80.9	10.64	76.4	9.76	72.5	9.31	70.6	8.85	67.5	8.44	64.4	7.98
		443.0	80.9	10.18	76.4	9.76	72.5	8.85	70.6	8.85	67.5	8.44	64.4	7.98
		553.8	80.9	10.18	76.4	9.76	72.5	8.85	70.6	8.85	67.5	8.44	64.4	7.98
		664.5	80.9	10.18	76.4	9.76	72.5	8.85	70.6	8.85	67.5	8.44	64.4	7.98
	30	177.2	80.9	9.88	76.4	8.95	72.5	8.55	70.6	7.98	67.5	8.09	64.4	7.62
		221.5	80.9	9.76	76.4	8.85	72.5	8.44	70.6	7.98	67.5	7.98	64.4	7.52
		443.0	80.9	9.31	76.4	8.44	72.5	7.98	70.6	7.98	67.5	7.52	64.4	7.11
		553.8	80.9	9.31	76.4	8.44	72.5	7.98	70.6	7.98	67.5	7.52	64.4	7.11
		664.5	80.9	9.31	76.4	8.44	72.5	7.98	70.6	7.98	67.5	7.52	64.4	7.11
	35	177.2	80.9	8.95	76.4	7.98	72.5	7.52	70.6	7.62	67.5	7.11	64.4	6.65
		221.5	80.9	8.85	76.4	7.98	72.5	7.52	70.6	7.52	67.5	7.11	64.4	6.65
		443.0	80.9	8.44	76.4	7.98	72.5	7.52	70.6	7.11	67.5	7.11	64.4	6.65
		553.8	80.9	8.44	76.4	7.98	72.5	7.52	70.6	7.11	67.5	7.11	64.4	6.65
		664.5	80.9	8.44	76.4	7.98	72.5	7.52	70.6	7.11	67.5	7.11	64.4	6.65
	40	177.2	80.9	8.09	76.4	7.62	72.5	7.22	70.6	6.65	67.5	6.76	64.4	6.19
		221.5	80.9	7.98	76.4	7.52	72.5	7.11	70.6	6.65	67.5	6.65	64.4	6.19
		443.0	80.9	7.52	76.4	7.11	72.5	6.65	70.6	6.65	67.5	6.19	64.4	6.19
		553.8	80.9	7.52	76.4	7.11	72.5	6.65	70.6	6.65	67.5	6.19	64.4	6.19
		664.5	80.9	7.52	76.4	7.11	72.5	6.65	70.6	6.65	67.5	6.19	64.4	6.19
	45	177.2	80.9	7.22	76.4	7.34	72.5	6.87	70.6	5.67	67.5	6.41	64.4	5.78
		221.5	80.9	7.11	76.4	7.11	72.5	6.65	70.6	5.78	67.5	6.19	64.4	5.78
		443.0	80.9	6.65	76.4	6.19	72.5	5.78	70.6	6.19	67.5	5.32	64.4	5.78
		553.8	80.9	6.65	76.4	6.19	72.5	5.78	70.6	6.19	67.5	5.32	64.4	5.78
		664.5	80.9	6.65	76.4	6.19	72.5	5.78	70.6	6.19	67.5	5.32	64.4	5.78

Notes:
TC: Total Capacity(kW)   PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(48HP)

ARWN480LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	184.8	71.5	29.33	71.0	27.62	70.6	25.71	69.6	24.95	70.4	24.30	68.5	21.79
		231.0	74.0	29.85	73.4	28.15	73.0	26.27	72.0	25.50	72.9	24.82	70.9	22.26
		462.0	83.7	31.87	83.0	30.28	82.6	28.49	81.4	27.67	82.4	26.90	80.3	24.15
		577.5	92.5	33.90	91.7	32.36	91.1	30.71	90.0	29.89	91.1	29.02	88.8	26.03
		693.0	97.0	34.92	96.1	33.40	95.5	31.83	94.3	31.01	95.5	30.09	93.0	26.98
	0	184.8	127.8	40.12	124.9	38.92	122.2	37.66	119.5	36.59	120.0	35.59	114.5	31.87
		231.0	128.6	40.23	125.6	39.02	122.9	37.77	120.3	36.70	120.7	35.69	115.2	31.97
		462.0	131.6	40.66	128.4	39.41	125.7	38.20	123.1	37.14	123.5	36.07	118.0	32.36
		577.5	133.6	40.66	130.4	39.41	127.7	38.20	124.9	37.14	125.3	36.07	119.7	32.36
		693.0	134.6	40.66	131.4	39.41	128.7	38.20	125.8	37.14	126.2	36.07	120.5	32.36
	5	184.8	184.0	43.12	181.3	42.06	177.5	40.99	173.0	39.83	168.4	38.73	159.1	34.68
		231.0	184.7	43.32	181.6	42.26	177.5	41.19	173.0	40.03	168.4	38.92	159.1	34.87
		462.0	187.2	44.09	182.8	43.03	177.6	42.02	173.0	40.86	168.4	39.70	159.1	35.59
		577.5	188.3	44.38	183.4	43.32	177.6	42.30	173.0	41.15	168.4	39.99	159.1	35.83
		693.0	188.9	44.53	183.7	43.46	177.6	42.45	173.0	41.29	168.4	40.13	159.1	35.96
	10	184.8	184.3	39.24	181.3	37.92	176.9	37.21	172.3	36.38	167.7	35.13	158.4	31.70
		231.0	185.4	39.17	182.1	37.96	177.6	37.28	173.0	36.36	168.4	35.11	159.1	31.68
		462.0	189.7	38.88	185.5	38.10	180.5	37.57	175.8	36.32	170.9	35.01	161.6	31.58
		577.5	190.7	39.41	186.8	38.63	181.6	37.72	176.7	36.46	172.0	35.59	162.6	33.08
		693.0	191.2	39.67	187.4	38.90	182.1	37.79	177.1	36.53	172.6	35.88	163.1	33.84
	15	184.8	184.6	35.37	181.3	33.85	176.2	33.49	171.6	32.94	167.1	31.54	157.8	28.74
		231.0	186.1	35.01	182.7	33.71	177.6	33.42	173.0	32.69	168.4	31.29	159.1	28.49
		462.0	192.1	33.61	188.2	33.13	183.3	33.13	178.6	31.73	173.4	30.33	164.1	27.53
		577.5	193.1	34.43	190.0	33.90	185.5	33.13	180.5	31.73	175.8	31.20	166.1	30.33
		693.0	193.6	34.85	190.9	34.29	186.7	33.13	181.4	31.73	177.0	31.64	167.1	31.74
	20	184.8	191.6	32.44	188.1	30.93	183.1	30.26	178.0	29.29	172.9	28.64	162.6	27.76
		231.0	193.1	32.21	189.6	30.91	184.5	30.23	179.5	29.41	174.4	28.83	164.1	27.53
		462.0	199.2	31.29	195.6	30.81	190.2	30.13	185.1	29.89	180.5	29.60	170.2	26.61
		577.5	200.0	31.29	197.1	30.81	192.4	30.33	186.9	29.89	181.9	29.60	171.6	28.30
		693.0	200.4	31.29	197.8	30.81	193.5	30.43	187.8	29.89	182.6	29.60	172.3	29.15
	25	184.8	202.3	30.93	197.1	30.04	192.4	29.53	188.8	29.04	184.5	28.61	174.0	26.73
		231.0	202.3	30.81	197.1	29.99	192.4	29.41	188.8	28.93	184.5	28.49	174.0	26.61
		462.0	202.3	30.33	197.1	29.80	192.4	28.93	188.8	28.49	184.5	28.01	174.0	26.13
		577.5	202.3	29.89	197.1	29.02	192.4	28.49	188.8	28.01	184.5	27.53	174.0	25.69
		693.0	202.3	29.67	197.1	28.63	192.4	28.27	188.8	27.77	184.5	27.28	174.0	25.47
	30	184.8	202.3	30.14	197.1	28.64	192.4	28.37	188.8	27.64	184.5	27.34	174.0	25.44
		231.0	202.3	29.89	197.1	28.59	192.4	28.20	188.8	27.53	184.5	27.09	174.0	25.21
		462.0	202.3	28.93	197.1	28.40	192.4	27.53	188.8	27.09	184.5	26.13	174.0	24.29
		577.5	202.3	28.49	197.1	27.62	192.4	27.09	188.8	26.61	184.5	26.13	174.0	24.29
		693.0	202.3	28.27	197.1	27.23	192.4	26.87	188.8	26.37	184.5	26.13	174.0	24.29
	35	184.8	202.3	28.74	197.1	27.78	192.4	27.21	188.8	26.24	184.5	25.33	174.0	23.56
		231.0	202.3	28.49	197.1	27.62	192.4	27.09	188.8	26.13	184.5	25.21	174.0	23.33
		462.0	202.3	27.53	197.1	27.00	192.4	26.61	188.8	25.69	184.5	24.73	174.0	22.41
		577.5	202.3	27.53	197.1	26.71	192.4	26.13	188.8	25.21	184.5	24.29	174.0	22.41
		693.0	202.3	27.53	197.1	26.56	192.4	25.88	188.8	24.97	184.5	24.07	174.0	22.41
	40	184.8	202.3	27.76	197.1	26.88	192.4	26.36	188.8	25.44	184.5	24.54	174.0	22.16
		231.0	202.3	27.53	197.1	26.71	192.4	26.13	188.8	25.21	184.5	24.29	174.0	21.93
		462.0	202.3	26.61	197.1	26.03	192.4	25.21	188.8	24.29	184.5	23.33	174.0	21.01
		577.5	202.3	26.13	197.1	25.60	192.4	25.21	188.8	24.29	184.5	23.33	174.0	21.01
		693.0	202.3	25.88	197.1	25.38	192.4	25.21	188.8	24.29	184.5	23.33	174.0	21.01
	45	184.8	202.3	26.84	197.1	25.96	192.4	25.56	188.8	24.65	184.5	23.68	174.0	20.76
		231.0	202.3	26.61	197.1	25.79	192.4	25.21	188.8	24.29	184.5	23.33	174.0	20.52
		462.0	202.3	25.69	197.1	25.11	192.4	23.81	188.8	22.89	184.5	21.93	174.0	19.61
		577.5	202.3	24.73	197.1	24.48	192.4	24.29	188.8	23.33	184.5	22.41	174.0	19.61
		693.0	202.3	24.24	197.1	24.17	192.4	24.53	188.8	23.54	184.5	22.65	174.0	19.61
120	-5	184.8	68.0	29.33	67.5	27.62	67.0	25.71	66.2	24.62	66.8	23.91	65.0	21.40
		231.0	70.3	29.85	69.8	28.15	69.3	26.27	68.5	25.16	69.1	24.44	67.2	21.88
		462.0	79.6	31.87	78.9	30.28	78.5	28.49	77.5	27.29	78.2	26.51	76.1	23.76
		577.5	87.9	33.90	87.2	32.36	86.6	30.71	85.7	29.46	86.4	28.59	84.0	25.60
		693.0	92.1	34.92	91.4	33.40	90.8	31.83	89.8	30.55	90.5	29.64	87.9	26.52
	0	184.8	121.5	40.12	118.6	38.92	116.0	37.66	113.7	36.06	113.7	35.06	108.5	31.34
		231.0	122.2	40.23	119.3	39.02	116.7	37.77	114.3	36.17	114.3	35.16	109.1	31.44
		462.0	125.0	40.66	122.1	39.41	119.6	38.20	117.0	36.61	117.0	35.54	111.8	31.83
		577.5	127.0	40.66	124.1	39.41	121.4	38.20	118.9	36.61	118.7	35.54	113.5	31.83
		693.0	128.0	40.66	125.0	39.41	122.3	38.20	119.8	36.61	119.6	35.54	114.4	31.83

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	184.8	175.2	43.12	172.5	42.06	168.8	40.99	164.7	39.25	159.5	38.15	150.8	34.17
		231.0	175.8	43.32	172.9	42.26	168.8	41.19	164.7	39.46	159.5	38.34	150.8	34.34
		462.0	178.3	44.09	174.1	43.03	168.8	42.02	164.7	40.28	159.5	39.12	150.8	35.01
		577.5	179.3	44.38	173.1	43.32	168.8	42.30	164.7	40.57	159.5	39.41	150.8	35.25
		693.0	179.8	44.53	172.6	43.46	168.8	42.45	164.7	40.71	159.5	39.55	150.8	35.38
	10	184.8	175.8	38.74	172.6	37.67	168.3	36.91	164.2	35.78	159.1	34.60	150.4	31.11
		231.0	176.7	38.88	173.3	37.81	168.8	37.04	164.7	35.83	159.5	34.58	150.8	31.15
		462.0	179.9	39.41	176.1	38.39	170.6	37.57	166.5	36.03	161.2	34.48	152.3	31.29
		577.5	180.9	39.26	175.5	38.39	171.3	37.72	167.2	36.17	161.9	34.63	153.0	32.36
		693.0	181.4	39.19	175.2	38.39	171.7	37.79	167.6	36.24	162.2	34.70	153.4	32.89
	15	184.8	176.3	34.36	172.8	33.35	167.8	32.83	163.8	32.33	158.7	31.04	150.0	28.13
		231.0	177.4	34.43	173.8	33.42	168.8	32.89	164.7	32.21	159.5	30.81	150.8	28.01
		462.0	181.4	34.72	178.1	33.71	172.6	33.13	168.4	31.73	162.7	29.89	154.0	27.53
		577.5	182.4	34.19	177.9	33.42	174.0	33.13	169.8	31.73	164.1	29.89	155.4	29.41
		693.0	182.9	33.92	177.9	33.27	174.7	33.13	170.5	31.73	164.8	29.89	156.1	30.36
	20	184.8	181.3	30.91	177.8	29.59	172.5	28.81	167.7	28.38	162.3	28.03	153.5	26.61
		231.0	182.4	30.91	178.9	29.70	173.4	28.93	168.8	28.49	163.3	28.01	154.4	26.51
		462.0	187.1	30.91	183.1	30.13	177.2	29.41	173.0	28.93	167.4	27.91	158.1	26.13
		577.5	187.9	30.62	183.0	29.89	178.6	29.41	174.0	28.93	168.4	28.01	159.1	27.09
		693.0	188.3	30.47	182.9	29.77	179.3	29.41	174.5	28.93	168.9	28.06	159.6	27.58
	25	184.8	190.1	29.23	184.5	27.87	178.6	27.33	174.8	26.73	170.2	26.24	160.9	24.41
		231.0	190.2	29.12	184.5	27.82	178.6	27.29	174.8	26.61	170.2	26.13	160.9	24.29
		462.0	190.6	28.69	184.5	27.62	178.6	27.09	174.8	26.13	170.2	25.69	160.9	23.81
		577.5	191.1	27.62	184.5	26.90	178.6	26.61	174.8	26.13	170.2	25.21	160.9	23.81
		693.0	191.4	27.09	184.5	26.53	178.6	26.37	174.8	26.13	170.2	24.97	160.9	23.81
	30	184.8	191.1	27.95	184.5	26.57	178.6	25.81	174.8	24.84	170.2	24.54	160.9	22.53
		231.0	191.1	27.72	184.5	26.42	178.6	25.69	174.8	24.73	170.2	24.29	160.9	22.41
		462.0	191.1	26.80	184.5	25.79	178.6	25.21	174.8	24.29	170.2	23.33	160.9	21.93
		577.5	191.1	25.93	184.5	25.21	178.6	24.73	174.8	24.29	170.2	23.33	160.9	21.49
		693.0	191.1	25.50	184.5	24.92	178.6	24.48	174.8	24.29	170.2	23.33	160.9	21.27
	35	184.8	191.1	26.70	184.5	25.25	178.6	24.54	174.8	23.56	170.2	22.64	160.9	20.63
		231.0	191.1	26.32	184.5	25.02	178.6	24.29	174.8	23.33	170.2	22.41	160.9	20.52
		462.0	191.1	24.82	184.5	24.10	178.6	23.33	174.8	22.41	170.2	21.49	160.9	20.09
		577.5	191.1	24.53	184.5	23.91	178.6	23.33	174.8	22.41	170.2	21.49	160.9	19.61
		693.0	191.1	24.39	184.5	23.81	178.6	23.33	174.8	22.41	170.2	21.49	160.9	19.36
	40	184.8	191.1	25.90	184.5	24.09	178.6	23.13	174.8	22.16	170.2	21.24	160.9	19.23
		231.0	191.1	25.40	184.5	23.81	178.6	22.89	174.8	21.93	170.2	21.01	160.9	19.12
		462.0	191.1	23.42	184.5	22.70	178.6	21.93	174.8	21.01	170.2	20.09	160.9	18.69
		577.5	191.1	23.13	184.5	22.41	178.6	21.93	174.8	21.01	170.2	20.09	160.9	18.21
		693.0	191.1	22.99	184.5	22.26	178.6	21.93	174.8	21.01	170.2	20.09	160.9	17.96
	45	184.8	191.1	25.11	184.5	22.93	178.6	21.73	174.8	20.76	170.2	19.84	160.9	17.83
		231.0	191.1	24.48	184.5	22.60	178.6	21.49	174.8	20.52	170.2	19.61	160.9	17.72
		462.0	191.1	22.02	184.5	21.30	178.6	20.52	174.8	19.61	170.2	18.69	160.9	17.29
		577.5	191.1	21.73	184.5	20.91	178.6	20.52	174.8	19.61	170.2	18.69	160.9	16.81
		693.0	191.1	21.59	184.5	20.72	178.6	20.52	174.8	19.61	170.2	18.69	160.9	16.56
110	-5	184.8	64.3	29.72	63.9	27.62	63.5	25.71	62.8	24.62	63.0	23.91	61.6	21.40
		231.0	66.5	30.23	66.1	28.15	65.7	26.27	65.0	25.16	65.1	24.44	63.7	21.88
		462.0	75.2	32.26	74.8	30.28	74.4	28.49	73.6	27.29	73.6	26.51	72.2	23.76
		577.5	83.1	34.34	82.6	32.36	82.1	30.71	81.3	29.46	81.3	28.59	79.6	25.60
		693.0	87.1	35.38	86.5	33.40	86.0	31.83	85.2	30.55	85.2	29.64	83.4	26.52
	0	184.8	114.9	40.66	112.4	38.92	110.1	37.66	107.9	36.06	107.0	35.06	102.9	31.34
		231.0	115.6	40.76	113.1	39.02	110.7	37.77	108.6	36.17	107.6	35.16	103.5	31.44
		462.0	118.3	41.15	115.8	39.41	113.2	38.20	111.1	36.61	110.1	35.54	105.9	31.83
		577.5	120.1	41.15	117.6	39.41	115.1	38.20	112.8	36.61	111.8	35.54	107.5	31.83
		693.0	121.0	41.15	118.5	39.41	116.0	38.20	113.7	36.61	112.7	35.54	108.2	31.83
	5	184.8	167.7	43.70	163.7	42.06	159.9	40.99	156.3	39.25	150.2	38.15	142.9	34.17
		231.0	168.2	43.90	164.0	42.26	159.9	41.19	156.3	39.46	150.2	38.34	142.9	34.34
		462.0	170.5	44.67	165.3	43.03	160.1	42.02	156.3	40.28	150.2	39.12	142.9	35.01
		577.5	171.5	44.96	165.7	43.32	160.1	42.30	156.3	40.57	150.2	39.41	142.9	35.25
		693.0	171.9	45.11	165.9	43.46	160.1	42.45	156.3	40.71	150.2	39.55	142.9	35.38
	10	184.8	168.3	39.19	164.1	37.85	159.7	37.03	156.0	35.78	150.0	34.60	142.7	31.11
		231.0	168.9	39.26	164.6	37.96	159.9	37.14	156.3	35.83	150.2	34.58	142.9	31.15
		462.0	171.5	39.55	166.2	38.39	160.9	37.57	157.2	36.03	151.2	34.48	143.6	31.29
		577.5	172.4	39.55	167.0	38.39	161.5	37.48	157.5	35.93	151.5	34.63	144.0	31.63
		693.0	172.9	39.55	167.3	38.39	161.8	37.43	157.7	35.88	151.6	34.70	144.2	31.80

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	184.8	168.8	34.67	164.4	33.71	159.6	33.13	155.8	32.33	149.7	31.04	142.5	28.13
		231.0	169.5	34.63	165.0	33.71	160.1	33.13	156.3	32.21	150.2	30.81	142.9	28.01
		462.0	172.3	34.43	167.4	33.71	161.9	33.13	158.1	31.73	152.2	29.89	144.3	27.53
		577.5	173.3	34.19	168.2	33.42	162.7	32.69	158.7	31.29	152.6	29.89	145.2	28.01
		693.0	173.8	34.07	168.6	33.27	163.2	32.48	158.9	31.07	152.8	29.89	145.6	28.25
	20	184.8	171.9	29.93	167.2	29.22	161.8	28.49	157.5	28.01	151.7	27.21	143.7	25.45
		231.0	172.9	29.99	167.8	29.22	162.3	28.49	158.1	28.01	152.2	27.09	144.3	25.40
		462.0	176.5	30.23	170.0	29.22	164.1	28.49	160.5	28.01	154.0	26.61	146.6	25.21
		577.5	177.5	30.23	171.5	29.22	165.1	28.49	160.9	27.53	154.9	26.61	147.0	25.21
		693.0	178.0	30.23	172.2	29.22	165.6	28.49	161.1	27.28	155.3	26.61	147.2	25.21
	25	184.8	177.3	27.24	172.0	26.24	165.1	25.81	161.5	24.84	155.8	23.93	147.5	21.93
		231.0	177.6	27.19	172.0	26.13	165.1	25.69	161.5	24.73	155.8	23.81	147.5	21.93
		462.0	179.0	27.00	172.0	25.69	165.1	25.21	161.5	24.29	155.8	23.33	147.5	21.93
		577.5	179.9	27.00	172.0	25.79	165.1	24.73	161.5	24.29	155.8	22.89	147.5	21.49
		693.0	180.3	27.00	172.0	25.84	165.1	24.48	161.5	24.29	155.8	22.67	147.5	21.27
	30	184.8	179.9	24.84	172.0	23.93	165.1	23.01	161.5	22.53	155.8	21.13	147.5	19.73
		231.0	179.9	24.73	172.0	23.81	165.1	22.89	161.5	22.41	155.8	21.01	147.5	19.61
		462.0	179.9	24.29	172.0	23.33	165.1	22.41	161.5	21.93	155.8	20.52	147.5	19.12
		577.5	179.9	24.10	172.0	22.89	165.1	21.93	161.5	21.49	155.8	20.52	147.5	19.12
		693.0	179.9	24.00	172.0	22.67	165.1	21.68	161.5	21.27	155.8	20.52	147.5	19.12
	35	184.8	179.9	23.56	172.0	22.03	165.1	21.13	161.5	20.21	155.8	19.23	147.5	17.83
		231.0	179.9	23.33	172.0	21.93	165.1	21.01	161.5	20.09	155.8	19.12	147.5	17.72
		462.0	179.9	22.41	172.0	21.49	165.1	20.52	161.5	19.61	155.8	18.69	147.5	17.29
		577.5	179.9	21.83	172.0	21.01	165.1	20.09	161.5	19.61	155.8	18.69	147.5	17.29
		693.0	179.9	21.54	172.0	20.76	165.1	19.87	161.5	19.61	155.8	18.69	147.5	17.29
	40	184.8	179.9	22.16	172.0	21.24	165.1	19.84	161.5	18.81	155.8	17.83	147.5	16.43
		231.0	179.9	21.93	172.0	21.01	165.1	19.61	161.5	18.69	155.8	17.72	147.5	16.32
		462.0	179.9	21.01	172.0	20.09	165.1	18.69	161.5	18.21	155.8	17.29	147.5	15.89
		577.5	179.9	20.72	172.0	19.61	165.1	18.69	161.5	17.72	155.8	16.81	147.5	15.41
		693.0	179.9	20.57	172.0	19.36	165.1	18.69	161.5	17.48	155.8	16.56	147.5	15.16
	45	184.8	179.9	20.76	172.0	20.44	165.1	18.56	161.5	17.41	155.8	16.43	147.5	15.03
		231.0	179.9	20.52	172.0	20.09	165.1	18.21	161.5	17.29	155.8	16.32	147.5	14.92
		462.0	179.9	19.61	172.0	18.69	165.1	16.81	161.5	16.81	155.8	15.89	147.5	14.49
		577.5	179.9	19.61	172.0	18.21	165.1	17.29	161.5	15.89	155.8	14.92	147.5	13.52
		693.0	179.9	19.61	172.0	17.96	165.1	17.53	161.5	15.43	155.8	14.44	147.5	13.04
100	-5	184.8	60.8	29.72	60.4	28.00	60.1	25.71	59.6	24.62	59.0	23.53	57.9	21.40
		231.0	62.9	30.23	62.4	28.54	62.2	26.27	61.6	25.16	61.0	24.05	59.9	21.88
		462.0	71.2	32.26	70.7	30.67	70.3	28.49	69.6	27.29	69.1	26.13	67.9	23.76
		577.5	78.6	34.34	78.1	32.79	77.6	30.71	76.9	29.46	76.4	28.15	75.0	25.60
		693.0	82.4	35.38	81.7	33.86	81.3	31.83	80.6	30.55	80.1	29.18	78.5	26.52
	0	184.8	108.6	40.66	106.3	39.45	104.0	37.66	102.2	36.06	100.4	34.53	96.9	31.34
		231.0	109.3	40.76	106.9	39.55	104.6	37.77	102.8	36.17	101.0	34.63	97.5	31.44
		462.0	111.8	41.15	109.4	39.94	107.0	38.20	105.2	36.61	103.4	35.01	99.7	31.83
		577.5	113.5	41.15	111.1	39.94	108.7	38.20	106.8	36.61	104.9	35.01	101.3	31.83
		693.0	114.4	41.15	112.0	39.94	109.6	38.20	107.5	36.61	105.7	35.01	102.0	31.83
	5	184.8	160.3	43.70	155.0	42.64	151.0	40.99	148.0	39.25	140.9	37.57	134.5	34.17
		231.0	160.9	43.90	155.3	42.84	151.1	41.19	148.0	39.46	140.9	37.77	134.5	34.34
		462.0	163.2	44.67	156.4	43.61	151.2	42.02	148.0	40.28	140.9	38.54	134.5	35.01
		577.5	164.1	44.96	156.8	43.90	151.2	42.30	148.0	40.57	140.9	38.78	134.5	35.25
		693.0	164.6	45.11	157.0	44.04	151.2	42.45	148.0	40.71	140.9	38.90	134.5	35.38
	10	184.8	161.2	39.08	155.5	38.22	151.2	37.03	148.0	35.78	140.9	34.01	134.5	31.11
		231.0	161.6	39.26	155.7	38.34	151.2	37.14	148.0	35.83	140.9	34.05	134.5	31.15
		462.0	163.2	39.99	156.5	38.83	151.2	37.57	148.0	36.03	140.9	34.19	134.5	31.29
		577.5	164.3	39.84	157.2	38.83	151.2	37.48	148.0	35.93	140.9	34.09	134.5	31.15
		693.0	164.8	39.77	157.6	38.83	151.2	37.43	148.0	35.88	140.9	34.05	134.5	31.08
	15	184.8	162.1	34.46	156.2	33.88	151.2	33.13	148.0	32.33	140.9	30.44	134.5	28.13
		231.0	162.3	34.63	156.3	33.90	151.2	33.13	148.0	32.21	140.9	30.33	134.5	28.01
		462.0	163.2	35.30	156.7	34.00	151.2	33.13	148.0	31.73	140.9	29.89	134.5	27.53
		577.5	164.6	34.72	157.5	33.71	151.2	32.69	148.0	31.29	140.9	29.41	134.5	27.09
		693.0	165.3	34.43	158.0	33.56	151.2	32.48	148.0	31.07	140.9	29.17	134.5	26.87
	20	184.8	163.0	29.47	157.0	28.71	151.2	28.01	148.0	27.64	140.9	25.81	134.5	24.54
		231.0	163.6	29.60	157.1	28.73	151.2	28.01	148.0	27.53	140.9	25.69	134.5	24.29
		462.0	166.0	30.13	157.5	28.83	151.2	28.01	148.0	27.09	140.9	25.21	134.5	23.33
		577.5	167.0	29.60	158.9	28.59	151.2	27.53	148.0	26.61	140.9	24.73	134.5	22.89
		693.0	167.4	29.34	159.6	28.47	151.2	27.28	148.0	26.37	140.9	24.48	134.5	22.67

Notes:

TC: Total Capacity(kW)　　　　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	184.8	164.9	25.76	159.5	24.96	151.2	23.93	148.0	23.01	140.9	21.61	134.5	19.61
		231.0	165.5	25.79	159.5	24.82	151.2	23.81	148.0	22.89	140.9	21.49	134.5	19.61
		462.0	167.9	25.89	159.5	24.29	151.2	23.33	148.0	22.41	140.9	21.01	134.5	19.61
		577.5	168.8	25.31	159.5	24.10	151.2	22.89	148.0	21.93	140.9	21.01	134.5	19.12
		693.0	169.2	25.01	159.5	24.00	151.2	22.67	148.0	21.68	140.9	21.01	134.5	18.88
	30	184.8	168.8	23.44	159.5	21.61	151.2	20.14	148.0	19.73	140.9	18.21	134.5	17.41
		231.0	168.8	23.33	159.5	21.49	151.2	20.09	148.0	19.61	140.9	18.21	134.5	17.29
		462.0	168.8	22.89	159.5	21.01	151.2	19.90	148.0	19.12	140.9	18.21	134.5	16.81
		577.5	168.8	22.41	159.5	21.01	151.2	19.61	148.0	19.12	140.9	17.72	134.5	16.81
		693.0	168.8	22.16	159.5	21.01	151.2	19.46	148.0	19.12	140.9	17.48	134.5	16.81
	35	184.8	168.8	21.73	159.5	19.84	151.2	17.77	148.0	17.41	140.9	16.43	134.5	15.03
		231.0	168.8	21.49	159.5	19.61	151.2	17.72	148.0	17.29	140.9	16.32	134.5	14.92
		462.0	168.8	20.52	159.5	18.69	151.2	17.53	148.0	16.81	140.9	15.89	134.5	14.49
		577.5	168.8	20.52	159.5	18.69	151.2	17.29	148.0	16.81	140.9	15.89	134.5	14.49
		693.0	168.8	20.52	159.5	18.69	151.2	17.17	148.0	16.81	140.9	15.89	134.5	14.49
	40	184.8	168.8	20.33	159.5	18.44	151.2	15.94	148.0	15.53	140.9	14.61	134.5	13.63
		231.0	168.8	20.09	159.5	18.21	151.2	15.89	148.0	15.41	140.9	14.49	134.5	13.52
		462.0	168.8	19.12	159.5	17.29	151.2	15.70	148.0	14.92	140.9	14.01	134.5	13.09
		577.5	168.8	18.69	159.5	17.29	151.2	15.41	148.0	14.92	140.9	14.01	134.5	13.09
		693.0	168.8	18.47	159.5	17.29	151.2	15.26	148.0	14.92	140.9	14.01	134.5	13.09
	45	184.8	168.8	18.93	159.5	17.04	151.2	14.05	148.0	13.63	140.9	12.73	134.5	12.23
		231.0	168.8	18.69	159.5	16.81	151.2	14.01	148.0	13.52	140.9	12.60	134.5	12.12
		462.0	168.8	17.72	159.5	15.89	151.2	13.81	148.0	13.09	140.9	12.12	134.5	11.69
		577.5	168.8	16.81	159.5	15.89	151.2	13.52	148.0	13.09	140.9	12.12	134.5	11.69
		693.0	168.8	16.34	159.5	15.89	151.2	13.38	148.0	13.09	140.9	12.12	134.5	11.69
90	-5	184.8	57.4	27.58	55.6	25.12	54.0	22.06	53.6	21.03	53.1	20.27	52.2	18.19
		231.0	59.4	28.06	57.5	25.60	55.8	22.55	55.4	21.49	55.0	20.72	54.0	18.59
		462.0	67.2	29.94	65.1	27.48	63.2	24.48	62.7	23.33	62.3	22.50	61.0	20.19
		577.5	74.3	31.83	71.9	29.41	69.8	26.42	69.2	25.16	68.8	24.24	67.5	21.78
		693.0	77.8	32.77	75.3	30.38	73.1	27.39	72.5	26.09	72.0	25.12	70.8	22.58
	0	184.8	102.6	37.57	97.9	35.25	93.4	32.37	92.0	30.87	90.5	29.71	87.1	26.68
		231.0	103.2	37.67	98.5	35.35	94.0	32.45	92.5	30.96	91.0	29.80	87.6	26.75
		462.0	105.6	38.05	100.7	35.74	96.2	32.79	94.7	31.29	93.1	30.13	89.7	27.04
		577.5	107.2	38.05	102.3	35.74	97.8	32.79	96.1	31.29	94.7	30.13	91.1	27.04
		693.0	108.0	38.05	103.0	35.74	98.5	32.79	96.8	31.29	95.4	30.13	91.9	27.04
	5	184.8	145.0	40.33	140.3	38.07	135.9	35.23	133.1	33.59	127.1	32.33	121.1	29.02
		231.0	145.2	40.52	140.2	38.25	135.9	35.40	133.1	33.76	127.1	32.50	121.1	29.17
		462.0	145.7	41.24	139.8	38.97	135.9	36.07	133.1	34.43	127.1	33.18	121.1	29.75
		577.5	146.6	41.48	140.2	39.21	135.9	36.36	133.1	34.67	127.1	33.42	121.1	29.99
		693.0	147.0	41.61	140.4	39.34	135.9	36.51	133.1	34.80	127.1	33.54	121.1	30.11
	10	184.8	145.8	35.62	140.8	33.87	135.9	31.89	133.1	30.58	127.1	29.34	121.1	26.44
		231.0	145.7	35.64	140.7	33.90	135.9	31.92	133.1	30.62	127.1	29.31	121.1	26.46
		462.0	145.4	35.74	139.9	34.05	135.9	32.07	133.1	30.76	127.1	29.22	121.1	26.56
		577.5	146.4	35.64	140.4	33.95	135.9	31.97	133.1	30.67	127.1	29.31	121.1	26.66
		693.0	146.9	35.59	140.6	33.90	135.9	31.92	133.1	30.62	127.1	29.36	121.1	26.71
	15	184.8	146.5	30.84	141.3	29.73	135.9	28.61	133.1	27.64	127.1	26.36	121.1	23.93
		231.0	146.3	30.71	141.1	29.60	135.9	28.49	133.1	27.53	127.1	26.13	121.1	23.81
		462.0	145.3	30.23	140.1	29.12	135.9	28.01	133.1	27.09	127.1	25.21	121.1	23.33
		577.5	146.3	29.80	140.5	28.69	135.9	27.53	133.1	26.61	127.1	25.21	121.1	23.33
		693.0	146.8	29.58	140.7	28.47	135.9	27.28	133.1	26.37	127.1	25.21	121.1	23.33
	20	184.8	147.4	26.03	141.9	25.28	135.9	24.41	133.1	23.44	127.1	22.64	121.1	21.24
		231.0	147.3	26.03	141.6	25.21	135.9	24.29	133.1	23.33	127.1	22.41	121.1	21.01
		462.0	146.7	26.03	140.5	24.92	135.9	23.81	133.1	22.89	127.1	21.49	121.1	20.09
		577.5	147.1	25.60	140.9	24.73	135.9	23.81	133.1	22.89	127.1	21.49	121.1	20.09
		693.0	147.3	25.38	141.1	24.63	135.9	23.81	133.1	22.89	127.1	21.49	121.1	20.09
	25	184.8	149.9	22.75	143.7	21.54	135.9	20.63	133.1	19.61	127.1	18.81	121.1	17.41
		231.0	150.2	22.70	143.7	21.49	135.9	20.52	133.1	19.61	127.1	18.69	121.1	17.29
		462.0	151.6	22.50	143.7	21.30	135.9	20.09	133.1	19.61	127.1	18.21	121.1	16.81
		577.5	152.2	21.93	143.7	20.81	135.9	20.09	133.1	19.12	127.1	18.21	121.1	16.81
		693.0	152.5	21.63	143.7	20.57	135.9	20.09	133.1	18.88	127.1	18.21	121.1	16.81
	30	184.8	152.2	20.63	143.7	19.23	135.9	17.83	133.1	17.41	127.1	16.43	121.1	14.92
		231.0	152.2	20.52	143.7	19.12	135.9	17.72	133.1	17.29	127.1	16.32	121.1	14.92
		462.0	152.2	20.09	143.7	18.69	135.9	17.29	133.1	16.81	127.1	15.89	121.1	14.92
		577.5	152.2	19.61	143.7	18.21	135.9	17.29	133.1	16.81	127.1	15.89	121.1	14.49
		693.0	152.2	19.36	143.7	17.96	135.9	17.29	133.1	16.81	127.1	15.89	121.1	14.27

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	184.8	152.2	18.81	143.7	17.41	135.9	16.01	133.1	15.53	127.1	14.61	121.1	13.63
		231.0	152.2	18.69	143.7	17.29	135.9	15.89	133.1	15.41	127.1	14.49	121.1	13.52
		462.0	152.2	18.21	143.7	16.81	135.9	15.41	133.1	14.92	127.1	14.01	121.1	13.09
		577.5	152.2	17.72	143.7	16.32	135.9	14.92	133.1	14.49	127.1	14.01	121.1	13.09
		693.0	152.2	17.48	143.7	16.08	135.9	14.68	133.1	14.27	127.1	14.01	121.1	13.09
	40	184.8	152.2	17.53	143.7	16.01	135.9	14.13	133.1	13.63	127.1	13.21	121.1	12.23
		231.0	152.2	17.29	143.7	15.89	135.9	14.01	133.1	13.52	127.1	13.09	121.1	12.12
		462.0	152.2	16.32	143.7	15.41	135.9	13.52	133.1	13.09	127.1	12.60	121.1	11.69
		577.5	152.2	16.32	143.7	15.41	135.9	13.52	133.1	13.09	127.1	12.60	121.1	11.69
		693.0	152.2	16.32	143.7	15.41	135.9	13.52	133.1	13.09	127.1	12.60	121.1	11.69
	45	184.8	152.2	16.24	143.7	14.61	135.9	12.23	133.1	11.81	127.1	11.81	121.1	10.83
		231.0	152.2	15.89	143.7	14.49	135.9	12.12	133.1	11.69	127.1	11.69	121.1	10.72
		462.0	152.2	14.49	143.7	14.01	135.9	11.69	133.1	11.20	127.1	11.20	121.1	10.29
		577.5	152.2	14.92	143.7	14.49	135.9	12.12	133.1	11.69	127.1	11.20	121.1	10.29
		693.0	152.2	15.14	143.7	14.73	135.9	12.34	133.1	11.93	127.1	11.20	121.1	10.29
80	-5	184.8	54.3	19.65	50.9	18.90	48.2	18.11	47.6	17.49	47.3	16.68	46.4	15.37
		231.0	56.1	20.09	52.6	19.32	49.8	18.50	49.2	17.87	48.9	17.05	48.0	15.70
		462.0	63.4	21.83	59.5	20.96	56.3	20.04	55.7	19.37	55.4	18.50	54.3	17.00
		577.5	70.2	23.52	65.7	22.60	62.2	21.64	61.5	20.91	61.2	19.95	59.9	18.35
		693.0	73.6	24.37	68.8	23.43	65.1	22.44	64.4	21.69	64.1	20.68	62.8	19.03
	0	184.8	96.9	28.84	89.3	27.68	83.2	26.54	81.6	25.62	80.5	24.41	77.5	22.49
		231.0	97.5	28.93	89.9	27.77	83.7	26.61	82.1	25.69	81.0	24.48	77.9	22.55
		462.0	99.9	29.27	92.0	28.11	85.7	26.90	84.1	25.98	83.0	24.77	79.7	22.79
		577.5	101.3	29.27	93.4	28.11	87.1	26.90	85.4	25.98	84.3	24.77	81.0	22.79
		693.0	102.0	29.27	94.1	28.11	87.8	26.90	86.0	25.98	84.9	24.77	81.7	22.79
	5	184.8	134.0	31.36	126.5	30.18	120.9	28.82	118.3	27.86	113.2	26.57	107.6	24.45
		231.0	134.3	31.54	126.7	30.33	121.0	28.98	118.3	28.01	113.2	26.71	107.6	24.58
		462.0	135.4	32.21	127.7	30.91	121.1	29.60	118.3	28.59	113.2	27.24	107.6	25.11
		577.5	135.4	32.40	127.6	31.15	121.1	29.80	118.3	28.78	113.2	27.43	107.6	25.26
		693.0	135.4	32.50	127.5	31.27	121.1	29.89	118.3	28.88	113.2	27.53	107.6	25.33
	10	184.8	134.7	28.87	127.0	27.56	120.9	26.16	118.3	25.44	113.2	24.09	107.6	22.30
		231.0	134.9	28.83	127.1	27.53	121.0	26.17	118.3	25.45	113.2	24.10	107.6	22.31
		462.0	135.4	28.69	127.7	27.38	121.1	26.22	118.3	25.50	113.2	24.15	107.6	22.36
		577.5	135.4	28.59	127.6	27.48	121.1	26.32	118.3	25.35	113.2	24.00	107.6	22.21
		693.0	135.4	28.54	127.5	27.53	121.1	26.37	118.3	25.28	113.2	23.93	107.6	22.14
	15	184.8	135.4	26.36	127.6	24.96	121.1	23.44	118.3	23.01	113.2	21.61	107.6	20.21
		231.0	135.4	26.13	127.6	24.73	121.1	23.33	118.3	22.89	113.2	21.49	107.6	20.09
		462.0	135.4	25.21	127.6	23.81	121.1	22.89	118.3	22.41	113.2	21.01	107.6	19.61
		577.5	135.4	24.73	127.6	23.81	121.1	22.89	118.3	21.93	113.2	20.52	107.6	19.12
		693.0	135.4	24.48	127.6	23.81	121.1	22.89	118.3	21.68	113.2	20.28	107.6	18.88
	20	184.8	135.4	22.03	127.6	21.13	121.1	20.09	118.3	19.73	113.2	18.81	107.6	17.41
		231.0	135.4	21.93	127.6	21.01	121.1	20.09	118.3	19.61	113.2	18.69	107.6	17.29
		462.0	135.4	21.49	127.6	20.52	121.1	20.09	118.3	19.12	113.2	18.21	107.6	16.81
		577.5	135.4	21.01	127.6	20.09	121.1	19.61	118.3	19.12	113.2	17.72	107.6	16.81
		693.0	135.4	20.76	127.6	19.87	121.1	19.36	118.3	19.12	113.2	17.48	107.6	16.81
	25	184.8	135.4	19.73	127.6	18.33	121.1	17.29	118.3	16.93	113.2	16.01	107.6	15.03
		231.0	135.4	19.61	127.6	18.21	121.1	17.29	118.3	16.81	113.2	15.89	107.6	14.92
		462.0	135.4	19.12	127.6	17.72	121.1	17.29	118.3	16.32	113.2	15.41	107.6	14.49
		577.5	135.4	18.69	127.6	17.72	121.1	16.81	118.3	16.32	113.2	15.41	107.6	14.49
		693.0	135.4	18.47	127.6	17.72	121.1	16.56	118.3	16.32	113.2	15.41	107.6	14.49
	30	184.8	135.4	17.41	127.6	16.43	121.1	15.53	118.3	15.03	113.2	14.13	107.6	13.21
		231.0	135.4	17.29	127.6	16.32	121.1	15.41	118.3	14.92	113.2	14.01	107.6	13.09
		462.0	135.4	16.81	127.6	15.89	121.1	14.92	118.3	14.49	113.2	13.52	107.6	12.60
		577.5	135.4	16.81	127.6	15.89	121.1	14.92	118.3	14.49	113.2	13.52	107.6	12.60
		693.0	135.4	16.81	127.6	15.89	121.1	14.92	118.3	14.49	113.2	13.52	107.6	12.60
	35	184.8	135.4	16.01	127.6	15.03	121.1	13.63	118.3	13.09	113.2	12.73	107.6	11.69
		231.0	135.4	15.89	127.6	14.92	121.1	13.52	118.3	13.09	113.2	12.60	107.6	11.69
		462.0	135.4	15.41	127.6	14.49	121.1	13.09	118.3	13.09	113.2	12.12	107.6	11.69
		577.5	135.4	15.41	127.6	14.01	121.1	13.09	118.3	12.60	113.2	12.12	107.6	11.20
		693.0	135.4	15.41	127.6	13.76	121.1	13.09	118.3	12.36	113.2	12.12	107.6	10.96
	40	184.8	135.4	15.15	127.6	13.63	121.1	12.12	118.3	12.23	113.2	11.20	107.6	10.83
		231.0	135.4	14.92	127.6	13.52	121.1	12.12	118.3	12.12	113.2	11.20	107.6	10.72
		462.0	135.4	14.01	127.6	13.09	121.1	12.12	118.3	11.69	113.2	11.20	107.6	10.29
		577.5	135.4	14.01	127.6	13.09	121.1	11.69	118.3	11.69	113.2	11.20	107.6	10.29
		693.0	135.4	14.01	127.6	13.09	121.1	11.47	118.3	11.69	113.2	11.20	107.6	10.29

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	184.8	135.4	14.36	127.6	12.23	121.1	10.60	118.3	11.44	113.2	9.68	107.6	10.04
		231.0	135.4	14.01	127.6	12.12	121.1	10.72	118.3	11.20	113.2	9.80	107.6	9.80
		462.0	135.4	12.60	127.6	11.69	121.1	11.20	118.3	10.29	113.2	10.29	107.6	8.89
		577.5	135.4	12.60	127.6	12.12	121.1	10.29	118.3	10.72	113.2	10.29	107.6	9.32
		693.0	135.4	12.60	127.6	12.34	121.1	9.82	118.3	10.94	113.2	10.29	107.6	9.54
70	-5	184.8	47.3	16.87	44.5	16.07	42.0	15.55	41.6	14.65	41.3	14.13	40.7	12.86
		231.0	48.9	17.24	46.0	16.42	43.5	15.89	43.0	14.97	42.8	14.44	42.1	13.14
		462.0	55.4	18.69	52.0	17.82	49.1	17.24	48.7	16.23	48.4	15.65	47.5	14.25
		577.5	61.3	20.19	57.5	19.22	54.3	18.59	53.9	17.48	53.4	16.90	52.5	15.36
		693.0	64.3	20.94	60.3	19.93	56.9	19.27	56.5	18.11	56.0	17.54	54.9	15.92
	0	184.8	84.7	24.70	78.3	23.55	72.7	22.77	71.4	21.43	70.3	20.71	67.8	18.83
		231.0	85.2	24.77	78.8	23.62	73.1	22.84	71.9	21.49	70.7	20.77	68.2	18.88
		462.0	87.2	25.06	80.6	23.86	74.8	23.13	73.6	21.73	72.4	21.01	69.8	19.08
		577.5	88.5	25.06	81.9	23.86	76.0	23.13	74.7	21.73	73.6	21.01	70.9	19.08
		693.0	89.1	25.06	82.5	23.86	76.5	23.13	75.3	21.73	74.1	21.01	71.5	19.08
	5	184.8	117.1	26.91	110.9	25.61	105.6	24.79	103.4	23.36	98.7	22.53	94.1	20.46
		231.0	117.3	27.04	111.1	25.74	105.6	24.92	103.4	23.47	98.7	22.65	94.1	20.57
		462.0	118.3	27.58	112.0	26.27	105.8	25.45	103.4	23.91	98.7	23.13	94.1	21.01
		577.5	118.3	27.77	111.8	26.46	105.8	25.64	103.4	24.10	98.7	23.28	94.1	21.15
		693.0	118.3	27.87	111.7	26.56	105.8	25.74	103.4	24.20	98.7	23.35	94.1	21.23
	10	184.8	117.6	24.77	111.3	23.42	105.8	22.55	103.4	21.30	98.7	20.43	94.1	18.69
		231.0	117.7	24.73	111.4	23.37	105.8	22.50	103.4	21.30	98.7	20.43	94.1	18.69
		462.0	118.3	24.53	111.8	23.18	105.8	22.31	103.4	21.30	98.7	20.43	94.1	18.69
		577.5	118.3	24.63	111.8	23.28	105.8	22.41	103.4	21.39	98.7	20.28	94.1	18.74
		693.0	118.3	24.68	111.8	23.33	105.8	22.46	103.4	21.44	98.7	20.21	94.1	18.76
	15	184.8	118.3	22.64	111.8	21.24	105.8	20.33	103.4	19.23	98.7	18.33	94.1	16.93
		231.0	118.3	22.41	111.8	21.01	105.8	20.09	103.4	19.12	98.7	18.21	94.1	16.81
		462.0	118.3	21.49	111.8	20.09	105.8	19.12	103.4	18.69	98.7	17.72	94.1	16.32
		577.5	118.3	21.49	111.8	20.09	105.8	19.12	103.4	18.69	98.7	17.29	94.1	16.32
		693.0	118.3	21.49	111.8	20.09	105.8	19.12	103.4	18.69	98.7	17.07	94.1	16.32
	20	184.8	118.3	18.81	111.8	17.83	105.8	17.41	103.4	16.93	98.7	16.01	94.1	15.03
		231.0	118.3	18.69	111.8	17.72	105.8	17.29	103.4	16.81	98.7	15.89	94.1	14.92
		462.0	118.3	18.21	111.8	17.29	105.8	16.81	103.4	16.32	98.7	15.41	94.1	14.49
		577.5	118.3	18.21	111.8	17.29	105.8	16.81	103.4	15.89	98.7	15.41	94.1	14.01
		693.0	118.3	18.21	111.8	17.29	105.8	16.81	103.4	15.67	98.7	15.41	94.1	13.76
	25	184.8	118.3	16.93	111.8	16.01	105.8	15.03	103.4	14.61	98.7	13.52	94.1	12.60
		231.0	118.3	16.81	111.8	15.89	105.8	14.92	103.4	14.49	98.7	13.52	94.1	12.60
		462.0	118.3	16.32	111.8	15.41	105.8	14.49	103.4	14.01	98.7	13.52	94.1	12.60
		577.5	118.3	15.89	111.8	14.92	105.8	14.49	103.4	14.01	98.7	13.09	94.1	12.60
		693.0	118.3	15.67	111.8	14.68	105.8	14.49	103.4	14.01	98.7	12.87	94.1	12.60
	30	184.8	118.3	15.03	111.8	14.13	105.8	13.21	103.4	12.60	98.7	12.23	94.1	11.20
		231.0	118.3	14.92	111.8	14.01	105.8	13.09	103.4	12.60	98.7	12.12	94.1	11.20
		462.0	118.3	14.49	111.8	13.52	105.8	12.60	103.4	12.60	98.7	11.69	94.1	11.20
		577.5	118.3	14.49	111.8	13.52	105.8	12.60	103.4	12.12	98.7	11.69	94.1	11.20
		693.0	118.3	14.49	111.8	13.52	105.8	12.60	103.4	11.88	98.7	11.69	94.1	11.20
	35	184.8	118.3	13.63	111.8	12.73	105.8	11.69	103.4	11.81	98.7	10.72	94.1	10.41
		231.0	118.3	13.52	111.8	12.60	105.8	11.69	103.4	11.69	98.7	10.72	94.1	10.29
		462.0	118.3	13.09	111.8	12.12	105.8	11.69	103.4	11.20	98.7	10.72	94.1	9.80
		577.5	118.3	13.09	111.8	12.12	105.8	11.20	103.4	11.20	98.7	10.72	94.1	9.80
		693.0	118.3	13.09	111.8	12.12	105.8	10.96	103.4	11.20	98.7	10.72	94.1	9.80
	40	184.8	118.3	12.73	111.8	11.81	105.8	10.83	103.4	10.29	98.7	9.80	94.1	9.43
		231.0	118.3	12.60	111.8	11.69	105.8	10.72	103.4	10.29	98.7	9.80	94.1	9.32
		462.0	118.3	12.12	111.8	11.20	105.8	10.29	103.4	10.29	98.7	9.80	94.1	8.89
		577.5	118.3	12.12	111.8	11.20	105.8	10.29	103.4	9.80	98.7	9.32	94.1	8.89
		693.0	118.3	12.12	111.8	11.20	105.8	10.29	103.4	9.56	98.7	9.08	94.1	8.89
	45	184.8	118.3	11.81	111.8	10.83	105.8	10.04	103.4	8.78	98.7	8.89	94.1	8.52
		231.0	118.3	11.69	111.8	10.72	105.8	9.80	103.4	8.89	98.7	8.89	94.1	8.40
		462.0	118.3	11.20	111.8	10.29	105.8	8.89	103.4	9.32	98.7	8.89	94.1	7.92
		577.5	118.3	11.20	111.8	10.29	105.8	9.32	103.4	8.40	98.7	7.92	94.1	7.92
		693.0	118.3	11.20	111.8	10.29	105.8	9.54	103.4	7.94	98.7	7.43	94.1	7.92
60	-5	184.8	40.6	13.70	38.1	13.18	36.0	12.66	35.6	11.77	35.5	11.58	34.8	10.34
		231.0	42.1	14.01	39.4	13.47	37.3	12.94	36.9	12.02	36.7	11.83	36.0	10.58
		462.0	47.7	15.21	44.6	14.63	42.2	14.05	41.8	13.04	41.6	12.85	40.8	11.49
		577.5	52.6	16.37	49.2	15.79	46.7	15.16	46.1	14.10	46.0	13.86	45.0	12.36
		693.0	55.1	16.96	51.6	16.38	49.0	15.72	48.3	14.64	48.2	14.37	47.1	12.80

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	184.8	72.7	20.08	67.0	19.37	62.5	18.53	61.2	17.24	60.4	17.00	58.2	15.18
		231.0	73.1	20.14	67.4	19.41	62.9	18.59	61.6	17.29	60.8	17.05	58.5	15.21
		462.0	74.8	20.38	68.9	19.61	64.4	18.83	63.0	17.48	62.2	17.24	59.8	15.36
		577.5	76.0	20.38	70.0	19.61	65.4	18.83	64.0	17.48	63.2	17.24	60.8	15.36
		693.0	76.5	20.38	70.6	19.61	65.9	18.83	64.5	17.48	63.6	17.24	61.3	15.36
	5	184.8	100.5	21.86	94.8	21.04	90.9	20.17	88.6	18.79	84.8	18.50	80.7	16.48
		231.0	100.7	21.97	94.9	21.15	90.9	20.28	88.6	18.88	84.8	18.59	80.7	16.56
		462.0	101.6	22.41	95.6	21.59	90.9	20.72	88.6	19.27	84.8	18.98	80.7	16.90
		577.5	101.6	22.60	95.5	21.73	90.9	20.86	88.6	19.41	84.8	19.08	80.7	17.05
		693.0	101.6	22.70	95.4	21.80	90.9	20.94	88.6	19.49	84.8	19.12	80.7	17.12
	10	184.8	101.0	20.09	95.1	19.22	90.9	18.30	88.6	17.10	84.8	16.77	80.7	15.03
		231.0	101.1	20.09	95.2	19.22	90.9	18.30	88.6	17.14	84.8	16.76	80.7	15.07
		462.0	101.6	20.09	95.6	19.22	90.9	18.30	88.6	17.34	84.8	16.71	80.7	15.21
		577.5	101.6	20.14	95.5	19.03	90.9	18.11	88.6	17.14	84.8	16.56	80.7	15.07
		693.0	101.6	20.16	95.4	18.93	90.9	18.01	88.6	17.05	84.8	16.49	80.7	14.99
	15	184.8	101.6	18.33	95.5	17.41	90.9	16.43	88.6	15.41	84.8	15.03	80.7	13.52
		231.0	101.6	18.21	95.5	17.29	90.9	16.32	88.6	15.41	84.8	14.92	80.7	13.52
		462.0	101.6	17.72	95.5	16.81	90.9	15.89	88.6	15.41	84.8	14.49	80.7	13.52
		577.5	101.6	17.72	95.5	16.32	90.9	15.41	88.6	14.92	84.8	14.01	80.7	13.09
		693.0	101.6	17.72	95.5	16.08	90.9	15.16	88.6	14.68	84.8	13.76	80.7	12.87
	20	184.8	101.6	16.01	95.5	15.03	90.9	14.13	88.6	13.63	84.8	13.21	80.7	12.23
		231.0	101.6	15.89	95.5	14.92	90.9	14.01	88.6	13.52	84.8	13.09	80.7	12.12
		462.0	101.6	15.41	95.5	14.49	90.9	13.52	88.6	13.09	84.8	12.60	80.7	11.69
		577.5	101.6	15.41	95.5	14.49	90.9	13.52	88.6	13.09	84.8	12.60	80.7	11.69
		693.0	101.6	15.41	95.5	14.49	90.9	13.52	88.6	13.09	84.8	12.60	80.7	11.69
	25	184.8	101.6	14.13	95.5	13.21	90.9	12.12	88.6	12.23	84.8	11.20	80.7	10.83
		231.0	101.6	14.01	95.5	13.09	90.9	12.12	88.6	12.12	84.8	11.20	80.7	10.72
		462.0	101.6	13.52	95.5	12.60	90.9	12.12	88.6	11.69	84.8	11.20	80.7	10.29
		577.5	101.6	13.52	95.5	12.60	90.9	11.69	88.6	11.69	84.8	11.20	80.7	10.29
		693.0	101.6	13.52	95.5	12.60	90.9	11.47	88.6	11.69	84.8	11.20	80.7	10.29
	30	184.8	101.6	12.73	95.5	11.81	90.9	11.33	88.6	10.83	84.8	10.41	80.7	9.93
		231.0	101.6	12.60	95.5	11.69	90.9	11.20	88.6	10.72	84.8	10.29	80.7	9.80
		462.0	101.6	12.12	95.5	11.20	90.9	10.72	88.6	10.29	84.8	9.80	80.7	9.32
		577.5	101.6	12.12	95.5	11.20	90.9	10.72	88.6	10.29	84.8	9.80	80.7	9.32
		693.0	101.6	12.12	95.5	11.20	90.9	10.72	88.6	10.29	84.8	9.80	80.7	9.32
	35	184.8	101.6	11.20	95.5	10.83	90.9	9.80	88.6	9.93	84.8	9.43	80.7	9.01
		231.0	101.6	11.20	95.5	10.72	90.9	9.80	88.6	9.80	84.8	9.32	80.7	8.89
		462.0	101.6	11.20	95.5	10.29	90.9	9.80	88.6	9.32	84.8	8.89	80.7	8.40
		577.5	101.6	11.20	95.5	10.29	90.9	9.32	88.6	9.32	84.8	8.89	80.7	8.40
		693.0	101.6	11.20	95.5	10.29	90.9	9.08	88.6	9.32	84.8	8.89	80.7	8.40
	40	184.8	101.6	10.29	95.5	9.93	90.9	8.89	88.6	9.01	84.8	8.52	80.7	7.92
		231.0	101.6	10.29	95.5	9.80	90.9	8.89	88.6	8.89	84.8	8.40	80.7	7.92
		462.0	101.6	10.29	95.5	9.32	90.9	8.89	88.6	8.40	84.8	7.92	80.7	7.92
		577.5	101.6	10.29	95.5	9.32	90.9	8.89	88.6	8.40	84.8	7.92	80.7	7.92
		693.0	101.6	10.29	95.5	9.32	90.9	8.89	88.6	8.40	84.8	7.92	80.7	7.92
	45	184.8	101.6	9.32	95.5	9.01	90.9	7.92	88.6	8.03	84.8	7.61	80.7	6.88
		231.0	101.6	9.32	95.5	8.89	90.9	7.92	88.6	7.92	84.8	7.49	80.7	7.00
		462.0	101.6	9.32	95.5	8.40	90.9	7.92	88.6	7.49	84.8	7.00	80.7	7.49
		577.5	101.6	9.32	95.5	8.40	90.9	8.40	88.6	7.49	84.8	7.00	80.7	7.49
		693.0	101.6	9.32	95.5	8.40	90.9	8.65	88.6	7.49	84.8	7.00	80.7	7.49
50	-5	184.8	33.9	10.92	31.8	10.34	30.1	9.79	29.6	9.26	29.5	8.69	29.0	8.23
		231.0	35.0	11.16	32.9	10.58	31.1	10.00	30.7	9.47	30.5	8.89	30.0	8.40
		462.0	39.5	12.07	37.1	11.49	35.2	10.82	34.7	10.29	34.6	9.66	33.9	9.08
		577.5	43.7	13.04	41.1	12.36	38.8	11.69	38.4	11.11	38.1	10.38	37.6	9.80
		693.0	45.9	13.53	43.1	12.80	40.7	12.12	40.2	11.52	39.9	10.75	39.4	10.17
	0	184.8	60.4	16.00	55.9	15.18	52.0	14.29	50.9	13.57	50.2	12.76	48.4	12.04
		231.0	60.8	16.03	56.3	15.21	52.3	14.34	51.2	13.62	50.5	12.80	48.7	12.07
		462.0	62.2	16.18	57.5	15.36	53.6	14.54	52.5	13.81	51.8	12.94	49.8	12.22
		577.5	63.2	16.18	58.4	15.36	54.3	14.54	53.3	13.81	52.5	12.94	50.6	12.22
		693.0	63.6	16.18	58.8	15.36	54.6	14.54	53.7	13.81	52.8	12.94	51.1	12.22
	5	184.8	83.5	17.40	79.2	16.48	75.5	15.56	73.7	14.80	70.5	13.90	67.2	13.06
		231.0	83.7	17.48	79.3	16.56	75.5	15.65	73.7	14.87	70.5	13.96	67.2	13.14
		462.0	84.4	17.82	79.9	16.90	75.7	15.99	73.7	15.16	70.5	14.20	67.2	13.43
		577.5	84.4	17.97	79.7	17.05	75.7	16.08	73.7	15.26	70.5	14.34	67.2	13.52
		693.0	84.4	18.04	79.7	17.12	75.7	16.13	73.7	15.31	70.5	14.42	67.2	13.57

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(48HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	184.8	84.0	16.01	79.4	15.08	75.5	14.17	73.7	13.55	70.5	12.52	67.2	11.95
		231.0	84.1	15.99	79.5	15.07	75.5	14.15	73.7	13.52	70.5	12.56	67.2	11.93
		462.0	84.4	15.89	79.9	15.02	75.7	14.05	73.7	13.43	70.5	12.70	67.2	11.83
		577.5	84.4	15.99	79.7	15.07	75.7	14.10	73.7	13.47	70.5	12.51	67.2	11.88
		693.0	84.4	16.03	79.7	15.09	75.7	14.13	73.7	13.50	70.5	12.41	67.2	11.90
	15	184.8	84.4	14.61	79.7	13.63	75.7	12.73	73.7	12.23	70.5	11.20	67.2	10.83
		231.0	84.4	14.49	79.7	13.52	75.7	12.60	73.7	12.12	70.5	11.20	67.2	10.72
		462.0	84.4	14.01	79.7	13.09	75.7	12.12	73.7	11.69	70.5	11.20	67.2	10.29
		577.5	84.4	14.01	79.7	13.09	75.7	12.12	73.7	11.69	70.5	10.72	67.2	10.29
		693.0	84.4	14.01	79.7	13.09	75.7	12.12	73.7	11.69	70.5	10.48	67.2	10.29
	20	184.8	84.4	12.73	79.7	11.81	75.7	11.33	73.7	10.83	70.5	10.41	67.2	9.32
		231.0	84.4	12.60	79.7	11.69	75.7	11.20	73.7	10.72	70.5	10.29	67.2	9.32
		462.0	84.4	12.12	79.7	11.20	75.7	10.72	73.7	10.29	70.5	9.80	67.2	9.32
		577.5	84.4	12.12	79.7	11.20	75.7	10.72	73.7	10.29	70.5	9.80	67.2	9.32
		693.0	84.4	12.12	79.7	11.20	75.7	10.72	73.7	10.29	70.5	9.80	67.2	9.32
	25	184.8	84.4	11.33	79.7	10.29	75.7	9.93	73.7	9.32	70.5	8.89	67.2	8.40
		231.0	84.4	11.20	79.7	10.29	75.7	9.80	73.7	9.32	70.5	8.89	67.2	8.40
		462.0	84.4	10.72	79.7	10.29	75.7	9.32	73.7	9.32	70.5	8.89	67.2	8.40
		577.5	84.4	10.72	79.7	10.29	75.7	9.32	73.7	9.32	70.5	8.89	67.2	8.40
		693.0	84.4	10.72	79.7	10.29	75.7	9.32	73.7	9.32	70.5	8.89	67.2	8.40
	30	184.8	84.4	10.41	79.7	9.43	75.7	9.01	73.7	8.40	70.5	8.52	67.2	8.03
		231.0	84.4	10.29	79.7	9.32	75.7	8.89	73.7	8.40	70.5	8.40	67.2	7.92
		462.0	84.4	9.80	79.7	8.89	75.7	8.40	73.7	8.40	70.5	7.92	67.2	7.49
		577.5	84.4	9.80	79.7	8.89	75.7	8.40	73.7	8.40	70.5	7.92	67.2	7.49
		693.0	84.4	9.80	79.7	8.89	75.7	8.40	73.7	8.40	70.5	7.92	67.2	7.49
	35	184.8	84.4	9.43	79.7	8.40	75.7	7.92	73.7	8.03	70.5	7.49	67.2	7.00
		231.0	84.4	9.32	79.7	8.40	75.7	7.92	73.7	7.92	70.5	7.49	67.2	7.00
		462.0	84.4	8.89	79.7	8.40	75.7	7.92	73.7	7.49	70.5	7.49	67.2	7.00
		577.5	84.4	8.89	79.7	8.40	75.7	7.92	73.7	7.49	70.5	7.49	67.2	7.00
		693.0	84.4	8.89	79.7	8.40	75.7	7.92	73.7	7.49	70.5	7.49	67.2	7.00
	40	184.8	84.4	8.52	79.7	8.03	75.7	7.61	73.7	7.00	70.5	7.12	67.2	6.52
		231.0	84.4	8.40	79.7	7.92	75.7	7.49	73.7	7.00	70.5	7.00	67.2	6.52
		462.0	84.4	7.92	79.7	7.49	75.7	7.00	73.7	7.00	70.5	6.52	67.2	6.52
		577.5	84.4	7.92	79.7	7.49	75.7	7.00	73.7	7.00	70.5	6.52	67.2	6.52
		693.0	84.4	7.92	79.7	7.49	75.7	7.00	73.7	7.00	70.5	6.52	67.2	6.52
	45	184.8	84.4	7.61	79.7	7.73	75.7	7.23	73.7	5.98	70.5	6.75	67.2	6.08
		231.0	84.4	7.49	79.7	7.49	75.7	7.00	73.7	6.08	70.5	6.52	67.2	6.08
		462.0	84.4	7.00	79.7	6.52	75.7	6.08	73.7	6.52	70.5	5.60	67.2	6.08
		577.5	84.4	7.00	79.7	6.52	75.7	6.08	73.7	6.52	70.5	5.60	67.2	6.08
		693.0	84.4	7.00	79.7	6.52	75.7	6.08	73.7	6.52	70.5	5.60	67.2	6.08

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(50HP)

ARWN500LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	192.4	74.5	29.72	74.0	27.98	73.5	26.05	72.5	25.28	73.4	24.62	71.4	22.08
		240.5	77.1	30.24	76.5	28.53	76.0	26.62	75.0	25.84	75.9	25.15	73.8	22.56
		481.0	87.2	32.29	86.4	30.68	86.0	28.87	84.8	28.04	85.9	27.25	83.7	24.47
		601.3	96.4	34.35	95.5	32.78	94.9	31.12	93.8	30.29	94.9	29.41	92.4	26.37
		721.5	101.1	35.39	100.1	33.84	99.4	32.25	98.3	31.42	99.5	30.49	96.9	27.34
	0	192.4	133.1	40.65	130.1	39.44	127.3	38.15	124.5	37.08	125.0	36.06	119.3	32.29
		240.5	133.9	40.76	130.8	39.54	128.1	38.26	125.3	37.19	125.7	36.16	120.0	32.39
		481.0	137.1	41.20	133.8	39.93	131.0	38.70	128.2	37.63	128.6	36.55	122.9	32.78
		601.3	139.2	41.20	135.8	39.93	133.0	38.70	130.1	37.63	130.5	36.55	124.7	32.78
		721.5	140.2	41.20	136.8	39.93	134.1	38.70	131.1	37.63	131.5	36.55	125.6	32.78
	5	192.4	191.7	43.69	188.8	42.62	184.9	41.53	180.2	40.35	175.4	39.24	165.7	35.14
		240.5	192.4	43.89	189.1	42.81	184.9	41.74	180.2	40.56	175.4	39.44	165.7	35.33
		481.0	195.0	44.67	190.5	43.60	185.0	42.57	180.2	41.40	175.4	40.22	165.7	36.06
		601.3	196.2	44.97	191.1	43.89	185.0	42.86	180.2	41.69	175.4	40.51	165.7	36.31
		721.5	196.8	45.12	191.3	44.04	185.0	43.01	180.2	41.84	175.4	40.66	165.7	36.43
	10	192.4	192.0	39.76	188.8	38.42	184.3	37.70	179.5	36.86	174.7	35.60	165.0	32.12
		240.5	193.1	39.68	189.7	38.46	185.0	37.77	180.2	36.85	175.4	35.57	165.7	32.10
		481.0	197.6	39.39	193.2	38.61	188.0	38.07	183.1	36.80	178.0	35.48	168.3	32.00
		601.3	198.7	39.93	194.6	39.14	189.1	38.22	184.0	36.94	179.2	36.06	169.4	33.52
		721.5	199.2	40.20	195.2	39.42	189.7	38.29	184.5	37.02	179.8	36.36	169.9	34.28
	15	192.4	192.2	35.83	188.9	34.30	183.6	33.93	178.7	33.37	174.0	31.95	164.4	29.12
		240.5	193.8	35.48	190.3	34.15	185.0	33.86	180.2	33.13	175.4	31.71	165.7	28.87
		481.0	200.1	34.06	196.0	33.57	190.9	33.57	186.1	32.15	180.6	30.73	171.0	27.89
		601.3	201.2	34.89	197.9	34.35	193.2	33.57	188.0	32.15	183.1	31.61	173.0	30.73
		721.5	201.7	35.31	198.9	34.74	194.4	33.57	188.9	32.15	184.4	32.05	174.1	32.16
	20	192.4	199.6	32.87	195.9	31.34	190.7	30.66	185.5	29.68	180.1	29.01	169.4	28.13
		240.5	201.2	32.64	197.5	31.32	192.2	30.63	186.9	29.80	181.7	29.21	171.0	27.89
		481.0	207.5	31.71	203.8	31.22	198.1	30.53	192.8	30.29	188.0	29.99	177.3	26.96
		601.3	208.3	31.71	205.3	31.22	200.4	30.73	194.7	30.29	189.4	29.99	178.7	28.67
		721.5	208.8	31.71	206.0	31.22	201.6	30.83	195.7	30.29	190.2	29.99	179.5	29.54
	25	192.4	210.7	31.34	205.3	30.44	200.4	29.92	196.6	29.42	192.2	28.99	181.2	27.08
		240.5	210.7	31.22	205.3	30.39	200.4	29.80	196.6	29.31	192.2	28.87	181.2	26.96
		481.0	210.7	30.73	205.3	30.19	200.4	29.31	196.6	28.87	192.2	28.38	181.2	26.47
		601.3	210.7	30.29	205.3	29.41	200.4	28.87	196.6	28.38	192.2	27.89	181.2	26.03
		721.5	210.7	30.07	205.3	29.01	200.4	28.65	196.6	28.13	192.2	27.64	181.2	25.81
	30	192.4	210.7	30.54	205.3	29.02	200.4	28.75	196.6	28.00	192.2	27.70	181.2	25.78
		240.5	210.7	30.29	205.3	28.97	200.4	28.58	196.6	27.89	192.2	27.45	181.2	25.54
		481.0	210.7	29.31	205.3	28.77	200.4	27.89	196.6	27.45	192.2	26.47	181.2	24.61
		601.3	210.7	28.87	205.3	27.99	200.4	27.45	196.6	26.96	192.2	26.47	181.2	24.61
		721.5	210.7	28.65	205.3	27.59	200.4	27.23	196.6	26.71	192.2	26.47	181.2	24.61
	35	192.4	210.7	29.12	205.3	28.15	200.4	27.57	196.6	26.58	192.2	25.67	181.2	23.87
		240.5	210.7	28.87	205.3	27.99	200.4	27.45	196.6	26.47	192.2	25.54	181.2	23.63
		481.0	210.7	27.89	205.3	27.35	200.4	26.96	196.6	26.03	192.2	25.05	181.2	22.70
		601.3	210.7	27.89	205.3	27.06	200.4	26.47	196.6	25.54	192.2	24.61	181.2	22.70
		721.5	210.7	27.89	205.3	26.91	200.4	26.23	196.6	25.30	192.2	24.39	181.2	22.70
	40	192.4	210.7	28.13	205.3	27.23	200.4	26.71	196.6	25.78	192.2	24.86	181.2	22.45
		240.5	210.7	27.89	205.3	27.06	200.4	26.47	196.6	25.54	192.2	24.61	181.2	22.21
		481.0	210.7	26.96	205.3	26.37	200.4	25.54	196.6	24.61	192.2	23.63	181.2	21.29
		601.3	210.7	26.47	205.3	25.93	200.4	25.54	196.6	24.61	192.2	23.63	181.2	21.29
		721.5	210.7	26.23	205.3	25.71	200.4	25.54	196.6	24.61	192.2	23.63	181.2	21.29
	45	192.4	210.7	27.20	205.3	26.30	200.4	25.90	196.6	24.97	192.2	23.99	181.2	21.03
		240.5	210.7	26.96	205.3	26.13	200.4	25.54	196.6	24.61	192.2	23.63	181.2	20.80
		481.0	210.7	26.03	205.3	25.44	200.4	24.12	196.6	23.19	192.2	22.21	181.2	19.87
		601.3	210.7	25.05	205.3	24.81	200.4	24.61	196.6	23.63	192.2	22.70	181.2	19.87
		721.5	210.7	24.56	205.3	24.49	200.4	24.86	196.6	23.86	192.2	22.95	181.2	19.87
120	-5	192.4	70.8	29.72	70.3	27.98	69.8	26.05	69.0	24.95	69.5	24.23	67.7	21.68
		240.5	73.3	30.24	72.7	28.53	72.2	26.62	71.4	25.49	71.9	24.76	70.0	22.17
		481.0	82.9	32.29	82.2	30.68	81.8	28.87	80.7	27.65	81.5	26.86	79.3	24.07
		601.3	91.6	34.35	90.8	32.78	90.3	31.12	89.2	29.85	90.0	28.97	87.5	25.93
		721.5	95.9	35.39	95.2	33.84	94.5	32.25	93.5	30.96	94.2	30.03	91.6	26.87
	0	192.4	126.6	40.65	123.5	39.44	120.9	38.15	118.4	36.54	118.4	35.52	113.0	31.76
		240.5	127.3	40.76	124.2	39.54	121.6	38.26	119.1	36.65	119.1	35.62	113.7	31.85
		481.0	130.2	41.20	127.2	39.93	124.5	38.70	121.9	37.09	121.9	36.01	116.5	32.25
		601.3	132.3	41.20	129.2	39.93	126.4	38.70	123.8	37.09	123.7	36.01	118.2	32.25
		721.5	133.3	41.20	130.3	39.93	127.4	38.70	124.8	37.09	124.5	36.01	119.1	32.25

Notes:

TC: Total Capacity(kW)　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	192.4	182.5	43.69	179.7	42.62	175.8	41.53	171.6	39.77	166.1	38.65	157.1	34.62
		240.5	183.1	43.89	180.1	42.81	175.8	41.74	171.6	39.98	166.1	38.85	157.1	34.79
		481.0	185.8	44.67	181.4	43.60	175.8	42.57	171.6	40.81	166.1	39.63	157.1	35.48
		601.3	186.8	44.97	180.4	43.89	175.8	42.86	171.6	41.10	166.1	39.93	157.1	35.72
		721.5	187.3	45.12	179.8	44.04	175.8	43.01	171.6	41.25	166.1	40.08	157.1	35.84
	10	192.4	183.2	39.25	179.8	38.16	175.3	37.39	171.1	36.26	165.7	35.06	156.7	31.52
		240.5	184.0	39.39	180.5	38.31	175.8	37.53	171.6	36.31	166.1	35.03	157.1	31.56
		481.0	187.4	39.93	183.4	38.90	177.7	38.07	173.5	36.50	167.9	34.94	158.7	31.71
		601.3	188.4	39.78	182.8	38.90	178.5	38.22	174.2	36.65	168.6	35.08	159.4	32.78
		721.5	188.9	39.71	182.6	38.90	178.8	38.29	174.6	36.72	169.0	35.16	159.8	33.33
	15	192.4	183.7	34.81	180.0	33.79	174.8	33.26	170.6	32.76	165.3	31.45	156.2	28.50
		240.5	184.8	34.89	181.1	33.86	175.8	33.32	171.6	32.64	166.1	31.22	157.1	28.38
		481.0	189.0	35.18	185.5	34.15	179.8	33.57	175.4	32.15	169.5	30.29	160.4	27.89
		601.3	190.0	34.64	185.3	33.86	181.2	33.57	176.8	32.15	171.0	30.29	161.9	29.80
		721.5	190.5	34.37	185.3	33.71	182.0	33.57	177.6	32.15	171.7	30.29	162.6	30.76
	20	192.4	188.8	31.32	185.3	29.98	179.6	29.19	174.7	28.76	169.0	28.40	159.9	26.96
		240.5	190.0	31.32	186.4	30.09	180.6	29.31	175.8	28.87	170.1	28.38	160.9	26.86
		481.0	194.9	31.32	190.8	30.53	184.6	29.80	180.2	29.31	174.3	28.28	164.7	26.47
		601.3	195.7	31.02	190.6	30.29	186.1	29.80	181.2	29.31	175.4	28.38	165.7	27.45
		721.5	196.2	30.87	190.5	30.17	186.8	29.80	181.8	29.31	175.9	28.43	166.2	27.94
	25	192.4	198.0	29.62	192.2	28.23	186.1	27.70	182.1	27.08	177.3	26.58	167.6	24.74
		240.5	198.1	29.51	192.2	28.18	186.1	27.65	182.1	26.96	177.3	26.47	167.6	24.61
		481.0	198.5	29.07	192.2	27.99	186.1	27.45	182.1	26.47	177.3	26.03	167.6	24.12
		601.3	199.1	27.99	192.2	27.25	186.1	26.96	182.1	26.47	177.3	25.54	167.6	24.12
		721.5	199.4	27.45	192.2	26.88	186.1	26.71	182.1	26.47	177.3	25.30	167.6	24.12
	30	192.4	199.1	28.32	192.2	26.93	186.1	26.15	182.1	25.16	177.3	24.86	167.6	22.83
		240.5	199.1	28.09	192.2	26.77	186.1	26.03	182.1	25.05	177.3	24.61	167.6	22.70
		481.0	199.1	27.16	192.2	26.13	186.1	25.54	182.1	24.61	177.3	23.63	167.6	22.21
		601.3	199.1	26.28	192.2	25.54	186.1	25.05	182.1	24.61	177.3	23.63	167.6	21.77
		721.5	199.1	25.83	192.2	25.25	186.1	24.81	182.1	24.61	177.3	23.63	167.6	21.55
	35	192.4	199.1	27.05	192.2	25.58	186.1	24.86	182.1	23.87	177.3	22.94	167.6	20.91
		240.5	199.1	26.67	192.2	25.35	186.1	24.61	182.1	23.63	177.3	22.70	167.6	20.80
		481.0	199.1	25.15	192.2	24.42	186.1	23.63	182.1	22.70	177.3	21.77	167.6	20.36
		601.3	199.1	24.86	192.2	24.22	186.1	23.63	182.1	22.70	177.3	21.77	167.6	19.87
		721.5	199.1	24.71	192.2	24.12	186.1	23.63	182.1	22.70	177.3	21.77	167.6	19.62
	40	192.4	199.1	26.24	192.2	24.41	186.1	23.44	182.1	22.45	177.3	21.52	167.6	19.49
		240.5	199.1	25.74	192.2	24.12	186.1	23.19	182.1	22.21	177.3	21.29	167.6	19.38
		481.0	199.1	23.73	192.2	23.00	186.1	22.21	182.1	21.29	177.3	20.36	167.6	18.94
		601.3	199.1	23.44	192.2	22.70	186.1	22.21	182.1	21.29	177.3	20.36	167.6	18.45
		721.5	199.1	23.29	192.2	22.56	186.1	22.21	182.1	21.29	177.3	20.36	167.6	18.20
	45	192.4	199.1	25.44	192.2	23.23	186.1	22.02	182.1	21.03	177.3	20.10	167.6	18.07
		240.5	199.1	24.81	192.2	22.90	186.1	21.77	182.1	20.80	177.3	19.87	167.6	17.96
		481.0	199.1	22.31	192.2	21.58	186.1	20.80	182.1	19.87	177.3	18.94	167.6	17.52
		601.3	199.1	22.02	192.2	21.19	186.1	20.80	182.1	19.87	177.3	18.94	167.6	17.03
		721.5	199.1	21.87	192.2	20.99	186.1	20.80	182.1	19.87	177.3	18.94	167.6	16.78
110	-5	192.4	67.0	30.11	66.6	27.98	66.1	26.05	65.4	24.95	65.6	24.23	64.1	21.68
		240.5	69.3	30.63	68.9	28.53	68.4	26.62	67.7	25.49	67.8	24.76	66.4	22.17
		481.0	78.4	32.69	77.9	30.68	77.5	28.87	76.6	27.65	76.6	26.86	75.2	24.07
		601.3	86.6	34.79	86.0	32.78	85.6	31.12	84.7	29.85	84.7	28.97	82.9	25.93
		721.5	90.7	35.85	90.1	33.84	89.6	32.25	88.7	30.96	88.7	30.03	86.8	26.87
	0	192.4	119.7	41.20	117.1	39.44	114.6	38.15	112.4	36.54	111.4	35.52	107.2	31.76
		240.5	120.4	41.30	117.8	39.54	115.3	38.26	113.1	36.65	112.1	35.62	107.8	31.85
		481.0	123.2	41.69	120.6	39.93	117.9	38.70	115.7	37.09	114.7	36.01	110.3	32.25
		601.3	125.1	41.69	122.5	39.93	119.8	38.70	117.5	37.09	116.5	36.01	111.9	32.25
		721.5	126.1	41.69	123.4	39.93	120.8	38.70	118.4	37.09	117.4	36.01	112.7	32.25
	5	192.4	174.6	44.28	170.5	42.62	166.5	41.53	162.8	39.77	156.5	38.65	148.9	34.62
		240.5	175.2	44.48	170.8	42.81	166.6	41.74	162.8	39.98	156.5	38.85	148.9	34.79
		481.0	177.6	45.26	172.2	43.60	166.7	42.57	162.8	40.81	156.5	39.63	148.9	35.48
		601.3	178.6	45.55	172.6	43.89	166.7	42.86	162.8	41.10	156.5	39.93	148.9	35.72
		721.5	179.1	45.70	172.8	44.04	166.7	43.01	162.8	41.25	156.5	40.08	148.9	35.84
	10	192.4	175.3	39.71	171.0	38.35	166.3	37.52	162.5	36.26	156.2	35.06	148.7	31.52
		240.5	176.0	39.78	171.4	38.46	166.6	37.63	162.8	36.31	156.5	35.03	148.9	31.56
		481.0	178.6	40.07	173.2	38.90	167.6	38.07	163.8	36.50	157.5	34.94	149.6	31.71
		601.3	179.6	40.07	173.9	38.90	168.2	37.97	164.1	36.40	157.8	35.08	150.0	32.05
		721.5	180.1	40.07	174.3	38.90	168.5	37.92	164.2	36.36	157.9	35.16	150.2	32.22

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	192.4	175.8	35.13	171.2	34.15	166.2	33.57	162.3	32.76	156.0	31.45	148.5	28.50
		240.5	176.5	35.08	171.9	34.15	166.7	33.57	162.8	32.64	156.5	31.22	148.9	28.38
		481.0	179.5	34.89	174.3	34.15	168.6	33.57	164.7	32.15	158.5	30.29	150.3	27.89
		601.3	180.5	34.64	175.2	33.86	169.5	33.13	165.3	31.71	159.0	30.29	151.2	28.38
		721.5	181.0	34.52	175.7	33.71	170.0	32.90	165.6	31.49	159.2	30.29	151.6	28.63
	20	192.4	179.1	30.32	174.2	29.60	168.6	28.87	164.0	28.38	158.0	27.57	149.7	25.79
		240.5	180.1	30.39	174.8	29.60	169.1	28.87	164.7	28.38	158.5	27.45	150.3	25.74
		481.0	183.9	30.63	177.1	29.60	171.0	28.87	167.2	28.38	160.4	26.96	152.7	25.54
		601.3	184.9	30.63	178.6	29.60	172.0	28.87	167.6	27.89	161.3	26.96	153.1	25.54
		721.5	185.4	30.63	179.3	29.60	172.5	28.87	167.8	27.64	161.8	26.96	153.3	25.54
	25	192.4	184.7	27.60	179.2	26.58	172.0	26.15	168.2	25.16	162.3	24.25	153.7	22.21
		240.5	185.0	27.55	179.2	26.47	172.0	26.03	168.2	25.05	162.3	24.12	153.7	22.21
		481.0	186.5	27.35	179.2	26.03	172.0	25.54	168.2	24.61	162.3	23.63	153.7	22.21
		601.3	187.4	27.35	179.2	26.13	172.0	25.05	168.2	24.61	162.3	23.19	153.7	21.77
		721.5	187.8	27.35	179.2	26.18	172.0	24.81	168.2	24.61	162.3	22.97	153.7	21.55
	30	192.4	187.4	25.16	179.2	24.25	172.0	23.32	168.2	22.83	162.3	21.41	153.7	19.99
		240.5	187.4	25.05	179.2	24.12	172.0	23.19	168.2	22.70	162.3	21.29	153.7	19.87
		481.0	187.4	24.61	179.2	23.63	172.0	22.70	168.2	22.21	162.3	20.80	153.7	19.38
		601.3	187.4	24.42	179.2	23.19	172.0	22.21	168.2	21.77	162.3	20.80	153.7	19.38
		721.5	187.4	24.32	179.2	22.97	172.0	21.97	168.2	21.55	162.3	20.80	153.7	19.38
	35	192.4	187.4	23.87	179.2	22.33	172.0	21.41	168.2	20.48	162.3	19.49	153.7	18.07
		240.5	187.4	23.63	179.2	22.21	172.0	21.29	168.2	20.36	162.3	19.38	153.7	17.96
		481.0	187.4	22.70	179.2	21.77	172.0	20.80	168.2	19.87	162.3	18.94	153.7	17.52
		601.3	187.4	22.12	179.2	21.29	172.0	20.36	168.2	19.87	162.3	18.94	153.7	17.52
		721.5	187.4	21.82	179.2	21.04	172.0	20.13	168.2	19.87	162.3	18.94	153.7	17.52
	40	192.4	187.4	22.45	179.2	21.52	172.0	20.10	168.2	19.06	162.3	18.07	153.7	16.65
		240.5	187.4	22.21	179.2	21.29	172.0	19.87	168.2	18.94	162.3	17.96	153.7	16.54
		481.0	187.4	21.29	179.2	20.36	172.0	18.94	168.2	18.45	162.3	17.52	153.7	16.10
		601.3	187.4	20.99	179.2	19.87	172.0	18.94	168.2	17.96	162.3	17.03	153.7	15.61
		721.5	187.4	20.84	179.2	19.62	172.0	18.94	168.2	17.71	162.3	16.78	153.7	15.36
	45	192.4	187.4	21.03	179.2	20.71	172.0	18.81	168.2	17.64	162.3	16.65	153.7	15.23
		240.5	187.4	20.80	179.2	20.36	172.0	18.45	168.2	17.52	162.3	16.54	153.7	15.12
		481.0	187.4	19.87	179.2	18.94	172.0	17.03	168.2	17.03	162.3	16.10	153.7	14.68
		601.3	187.4	19.87	179.2	18.45	172.0	17.52	168.2	16.10	162.3	15.12	153.7	13.70
		721.5	187.4	19.87	179.2	18.20	172.0	17.76	168.2	15.63	162.3	14.63	153.7	13.21
100	-5	192.4	63.3	30.11	62.9	28.37	62.6	26.05	62.1	24.95	61.5	23.84	60.3	21.68
		240.5	65.5	30.63	65.1	28.92	64.8	26.62	64.2	25.49	63.6	24.37	62.4	22.17
		481.0	74.1	32.69	73.7	31.07	73.3	28.87	72.5	27.65	71.9	26.47	70.8	24.07
		601.3	81.9	34.79	81.3	33.22	80.9	31.12	80.1	29.85	79.6	28.53	78.1	25.93
		721.5	85.8	35.85	85.2	34.31	84.7	32.25	84.0	30.96	83.4	29.56	81.8	26.87
	0	192.4	113.2	41.20	110.7	39.98	108.4	38.15	106.5	36.54	104.6	34.98	100.9	31.76
		240.5	113.8	41.30	111.3	40.07	109.0	38.26	107.1	36.65	105.2	35.08	101.5	31.85
		481.0	116.5	41.69	114.0	40.47	111.5	38.70	109.6	37.09	107.7	35.48	103.9	32.25
		601.3	118.2	41.69	115.7	40.47	113.3	38.70	111.2	37.09	109.3	35.48	105.5	32.25
		721.5	119.1	41.69	116.6	40.47	114.1	38.70	112.0	37.09	110.1	35.48	106.3	32.25
	5	192.4	167.0	44.28	161.5	43.20	157.3	41.53	154.1	39.77	146.8	38.07	140.1	34.62
		240.5	167.6	44.48	161.7	43.40	157.4	41.74	154.1	39.98	146.8	38.26	140.1	34.79
		481.0	170.0	45.26	162.9	44.18	157.5	42.57	154.1	40.81	146.8	39.05	140.1	35.48
		601.3	171.0	45.55	163.4	44.48	157.5	42.86	154.1	41.10	146.8	39.29	140.1	35.72
		721.5	171.5	45.70	163.6	44.63	157.5	43.01	154.1	41.25	146.8	39.41	140.1	35.84
	10	192.4	167.9	39.60	162.0	38.73	157.5	37.52	154.1	36.26	146.8	34.46	140.1	31.52
		240.5	168.3	39.78	162.2	38.85	157.5	37.63	154.1	36.31	146.8	34.50	140.1	31.56
		481.0	170.0	40.51	163.1	39.34	157.5	38.07	154.1	36.50	146.8	34.64	140.1	31.71
		601.3	171.1	40.37	163.8	39.34	157.5	37.97	154.1	36.40	146.8	34.55	140.1	31.56
		721.5	171.7	40.29	164.2	39.34	157.5	37.92	154.1	36.36	146.8	34.50	140.1	31.49
	15	192.4	168.9	34.91	162.7	34.32	157.5	33.57	154.1	32.76	146.8	30.84	140.1	28.50
		240.5	169.1	35.08	162.8	34.35	157.5	33.57	154.1	32.64	146.8	30.73	140.1	28.38
		481.0	170.0	35.77	163.2	34.45	157.5	33.57	154.1	32.15	146.8	30.29	140.1	27.89
		601.3	171.4	35.18	164.1	34.15	157.5	33.13	154.1	31.71	146.8	29.80	140.1	27.45
		721.5	172.2	34.89	164.5	34.01	157.5	32.90	154.1	31.49	146.8	29.55	140.1	27.23
	20	192.4	169.8	29.86	163.5	29.09	157.5	28.38	154.1	28.00	146.8	26.15	140.1	24.86
		240.5	170.4	29.99	163.7	29.11	157.5	28.38	154.1	27.89	146.8	26.03	140.1	24.61
		481.0	172.9	30.53	164.1	29.21	157.5	28.38	154.1	27.45	146.8	25.54	140.1	23.63
		601.3	173.9	29.99	165.6	28.97	157.5	27.89	154.1	26.96	146.8	25.05	140.1	23.19
		721.5	174.4	29.72	166.3	28.84	157.5	27.64	154.1	26.71	146.8	24.81	140.1	22.97

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	192.4	171.8	26.10	166.1	25.29	157.5	24.25	154.1	23.32	146.8	21.90	140.1	19.87
		240.5	172.4	26.13	166.1	25.15	157.5	24.12	154.1	23.19	146.8	21.77	140.1	19.87
		481.0	174.9	26.23	166.1	24.61	157.5	23.63	154.1	22.70	146.8	21.29	140.1	19.87
		601.3	175.8	25.64	166.1	24.42	157.5	23.19	154.1	22.21	146.8	21.29	140.1	19.38
		721.5	176.3	25.34	166.1	24.32	157.5	22.97	154.1	21.97	146.8	21.29	140.1	19.13
	30	192.4	175.8	23.74	166.1	21.90	157.5	20.40	154.1	19.99	146.8	18.45	140.1	17.64
		240.5	175.8	23.63	166.1	21.77	157.5	20.36	154.1	19.87	146.8	18.45	140.1	17.52
		481.0	175.8	23.19	166.1	21.29	157.5	20.16	154.1	19.38	146.8	18.45	140.1	17.03
		601.3	175.8	22.70	166.1	21.29	157.5	19.87	154.1	19.38	146.8	17.96	140.1	17.03
		721.5	175.8	22.46	166.1	21.29	157.5	19.72	154.1	19.38	146.8	17.71	140.1	17.03
	35	192.4	175.8	22.02	166.1	20.10	157.5	18.01	154.1	17.64	146.8	16.65	140.1	15.23
		240.5	175.8	21.77	166.1	19.87	157.5	17.96	154.1	17.52	146.8	16.54	140.1	15.12
		481.0	175.8	20.80	166.1	18.94	157.5	17.76	154.1	17.03	146.8	16.10	140.1	14.68
		601.3	175.8	20.80	166.1	18.94	157.5	17.52	154.1	17.03	146.8	16.10	140.1	14.68
		721.5	175.8	20.80	166.1	18.94	157.5	17.39	154.1	17.03	146.8	16.10	140.1	14.68
	40	192.4	175.8	20.60	166.1	18.68	157.5	16.15	154.1	15.73	146.8	14.80	140.1	13.81
		240.5	175.8	20.36	166.1	18.45	157.5	16.10	154.1	15.61	146.8	14.68	140.1	13.70
		481.0	175.8	19.38	166.1	17.52	157.5	15.90	154.1	15.12	146.8	14.19	140.1	13.26
		601.3	175.8	18.94	166.1	17.52	157.5	15.61	154.1	15.12	146.8	14.19	140.1	13.26
		721.5	175.8	18.71	166.1	17.52	157.5	15.46	154.1	15.12	146.8	14.19	140.1	13.26
	45	192.4	175.8	19.18	166.1	17.26	157.5	14.24	154.1	13.81	146.8	12.89	140.1	12.39
		240.5	175.8	18.94	166.1	17.03	157.5	14.19	154.1	13.70	146.8	12.77	140.1	12.28
		481.0	175.8	17.96	166.1	16.10	157.5	13.99	154.1	13.26	146.8	12.28	140.1	11.84
		601.3	175.8	17.03	166.1	16.10	157.5	13.70	154.1	13.26	146.8	12.28	140.1	11.84
		721.5	175.8	16.56	166.1	16.10	157.5	13.55	154.1	13.26	146.8	12.28	140.1	11.84
90	-5	192.4	59.8	27.95	57.9	25.45	56.2	22.36	55.8	21.30	55.4	20.53	54.4	18.43
		240.5	61.8	28.43	59.9	25.93	58.2	22.85	57.7	21.77	57.3	20.99	56.3	18.84
		481.0	70.0	30.34	67.8	27.84	65.8	24.81	65.3	23.63	64.9	22.80	63.6	20.45
		601.3	77.4	32.25	74.9	29.80	72.7	26.77	72.1	25.49	71.6	24.56	70.3	22.07
		721.5	81.0	33.21	78.4	30.79	76.1	27.75	75.5	26.43	75.0	25.45	73.7	22.88
	0	192.4	106.9	38.07	102.0	35.72	97.3	32.80	95.8	31.28	94.2	30.10	90.7	27.03
		240.5	107.5	38.17	102.6	35.82	97.9	32.88	96.4	31.36	94.8	30.19	91.3	27.11
		481.0	110.0	38.56	104.9	36.21	100.2	33.22	98.6	31.71	97.0	30.53	93.5	27.40
		601.3	111.6	38.56	106.5	36.21	101.8	33.22	100.1	31.71	98.6	30.53	94.9	27.40
		721.5	112.5	38.56	107.3	36.21	102.6	33.22	100.8	31.71	99.4	30.53	95.7	27.40
	5	192.4	151.1	40.87	146.2	38.57	141.5	35.69	138.6	34.03	132.4	32.76	126.1	29.41
		240.5	151.2	41.05	146.1	38.75	141.5	35.87	138.6	34.20	132.4	32.93	126.1	29.55
		481.0	151.8	41.79	145.6	39.49	141.5	36.55	138.6	34.89	132.4	33.62	126.1	30.14
		601.3	152.7	42.03	146.1	39.73	141.5	36.85	138.6	35.13	132.4	33.86	126.1	30.39
		721.5	153.1	42.16	146.3	39.86	141.5	36.99	138.6	35.26	132.4	33.98	126.1	30.51
	10	192.4	151.9	36.09	146.7	34.31	141.5	32.31	138.6	30.99	132.4	29.73	126.1	26.79
		240.5	151.8	36.11	146.5	34.35	141.5	32.34	138.6	31.02	132.4	29.70	126.1	26.81
		481.0	151.5	36.21	145.8	34.50	141.5	32.49	138.6	31.17	132.4	29.60	126.1	26.91
		601.3	152.5	36.11	146.2	34.40	141.5	32.39	138.6	31.07	132.4	29.70	126.1	27.01
		721.5	153.0	36.06	146.4	34.35	141.5	32.34	138.6	31.02	132.4	29.75	126.1	27.06
	15	192.4	152.6	31.24	147.2	30.12	141.5	28.99	138.6	28.00	132.4	26.71	126.1	24.25
		240.5	152.4	31.12	147.0	29.99	141.5	28.87	138.6	27.89	132.4	26.47	126.1	24.12
		481.0	151.3	30.63	145.9	29.51	141.5	28.38	138.6	27.45	132.4	25.54	126.1	23.63
		601.3	152.4	30.19	146.4	29.07	141.5	27.89	138.6	26.96	132.4	25.54	126.1	23.63
		721.5	152.9	29.97	146.6	28.84	141.5	27.64	138.6	26.71	132.4	25.54	126.1	23.63
	20	192.4	153.5	26.37	147.8	25.62	141.5	24.74	138.6	23.74	132.4	22.94	126.1	21.52
		240.5	153.4	26.37	147.5	25.54	141.5	24.61	138.6	23.63	132.4	22.70	126.1	21.29
		481.0	152.8	26.37	146.4	25.25	141.5	24.12	138.6	23.19	132.4	21.77	126.1	20.36
		601.3	153.3	25.93	146.8	25.05	141.5	24.12	138.6	23.19	132.4	21.77	126.1	20.36
		721.5	153.5	25.71	147.0	24.95	141.5	24.12	138.6	23.19	132.4	21.77	126.1	20.36
	25	192.4	156.1	23.05	149.7	21.82	141.5	20.91	138.6	19.87	132.4	19.06	126.1	17.64
		240.5	156.5	23.00	149.7	21.77	141.5	20.80	138.6	19.87	132.4	18.94	126.1	17.52
		481.0	157.9	22.80	149.7	21.58	141.5	20.36	138.6	19.87	132.4	18.45	126.1	17.03
		601.3	158.5	22.21	149.7	21.09	141.5	20.36	138.6	19.38	132.4	18.45	126.1	17.03
		721.5	158.8	21.92	149.7	20.84	141.5	20.36	138.6	19.13	132.4	18.45	126.1	17.03
	30	192.4	158.5	20.91	149.7	19.49	141.5	18.07	138.6	17.64	132.4	16.65	126.1	15.12
		240.5	158.5	20.80	149.7	19.38	141.5	17.96	138.6	17.52	132.4	16.54	126.1	15.12
		481.0	158.5	20.36	149.7	18.94	141.5	17.52	138.6	17.03	132.4	16.10	126.1	15.12
		601.3	158.5	19.87	149.7	18.45	141.5	17.52	138.6	17.03	132.4	16.10	126.1	14.68
		721.5	158.5	19.62	149.7	18.20	141.5	17.52	138.6	17.03	132.4	16.10	126.1	14.46

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	192.4	158.5	19.06	149.7	17.64	141.5	16.22	138.6	15.73	132.4	14.80	126.1	13.81
		240.5	158.5	18.94	149.7	17.52	141.5	16.10	138.6	15.61	132.4	14.68	126.1	13.70
		481.0	158.5	18.45	149.7	17.03	141.5	15.61	138.6	15.12	132.4	14.19	126.1	13.26
		601.3	158.5	17.96	149.7	16.54	141.5	15.12	138.6	14.68	132.4	14.19	126.1	13.26
		721.5	158.5	17.71	149.7	16.29	141.5	14.87	138.6	14.46	132.4	14.19	126.1	13.26
	40	192.4	158.5	17.76	149.7	16.22	141.5	14.31	138.6	13.81	132.4	13.38	126.1	12.39
		240.5	158.5	17.52	149.7	16.10	141.5	14.19	138.6	13.70	132.4	13.26	126.1	12.28
		481.0	158.5	16.54	149.7	15.61	141.5	13.70	138.6	13.26	132.4	12.77	126.1	11.84
		601.3	158.5	16.54	149.7	15.61	141.5	13.70	138.6	13.26	132.4	12.77	126.1	11.84
		721.5	158.5	16.54	149.7	15.61	141.5	13.70	138.6	13.26	132.4	12.77	126.1	11.84
	45	192.4	158.5	16.46	149.7	14.80	141.5	12.39	138.6	11.96	132.4	11.96	126.1	10.97
		240.5	158.5	16.10	149.7	14.68	141.5	12.28	138.6	11.84	132.4	11.84	126.1	10.86
		481.0	158.5	14.68	149.7	14.19	141.5	11.84	138.6	11.35	132.4	11.35	126.1	10.42
		601.3	158.5	15.12	149.7	14.68	141.5	12.28	138.6	11.84	132.4	11.35	126.1	10.42
		721.5	158.5	15.34	149.7	14.93	141.5	12.50	138.6	12.09	132.4	11.35	126.1	10.42
80	-5	192.4	56.5	19.91	53.0	19.15	50.2	18.35	49.6	17.72	49.3	16.90	48.3	15.57
		240.5	58.5	20.36	54.8	19.57	51.9	18.74	51.3	18.10	51.0	17.27	50.0	15.90
		481.0	66.1	22.12	62.0	21.24	58.6	20.31	58.0	19.62	57.7	18.74	56.6	17.22
		601.3	73.1	23.83	68.4	22.90	64.8	21.92	64.0	21.19	63.7	20.21	62.4	18.59
		721.5	76.7	24.69	71.7	23.74	67.9	22.73	67.1	21.98	66.8	20.95	65.4	19.28
	0	192.4	100.9	29.22	93.1	28.05	86.7	26.89	85.0	25.96	83.9	24.73	80.7	22.79
		240.5	101.5	29.31	93.6	28.14	87.2	26.96	85.6	26.03	84.4	24.81	81.2	22.85
		481.0	104.0	29.65	95.8	28.48	89.2	27.25	87.6	26.32	86.4	25.10	83.1	23.10
		601.3	105.5	29.65	97.3	28.48	90.7	27.25	88.9	26.32	87.8	25.10	84.4	23.10
		721.5	106.2	29.65	98.0	28.48	91.4	27.25	89.6	26.32	88.4	25.10	85.1	23.10
	5	192.4	139.6	31.78	131.7	30.58	126.0	29.20	123.2	28.23	117.9	26.92	112.1	24.77
		240.5	139.9	31.95	132.0	30.73	126.0	29.36	123.2	28.38	117.9	27.06	112.1	24.91
		481.0	141.1	32.64	133.0	31.32	126.1	29.99	123.2	28.97	117.9	27.60	112.1	25.44
		601.3	141.1	32.83	132.9	31.56	126.1	30.19	123.2	29.16	117.9	27.79	112.1	25.59
		721.5	141.1	32.93	132.8	31.68	126.1	30.29	123.2	29.26	117.9	27.89	112.1	25.66
	10	192.4	140.4	29.25	132.3	27.93	126.0	26.51	123.2	25.77	117.9	24.40	112.1	22.59
		240.5	140.5	29.21	132.4	27.89	126.0	26.52	123.2	25.79	117.9	24.42	112.1	22.61
		481.0	141.1	29.07	133.0	27.74	126.1	26.57	123.2	25.84	117.9	24.47	112.1	22.66
		601.3	141.1	28.97	132.9	27.84	126.1	26.67	123.2	25.69	117.9	24.32	112.1	22.51
		721.5	141.1	28.92	132.8	27.89	126.1	26.72	123.2	25.61	117.9	24.24	112.1	22.43
	15	192.4	141.1	26.71	132.9	25.29	126.1	23.74	123.2	23.32	117.9	21.90	112.1	20.48
		240.5	141.1	26.47	132.9	25.05	126.1	23.63	123.2	23.19	117.9	21.77	112.1	20.36
		481.0	141.1	25.54	132.9	24.12	126.1	23.19	123.2	22.70	117.9	21.29	112.1	19.87
		601.3	141.1	25.05	132.9	24.12	126.1	23.19	123.2	22.21	117.9	20.80	112.1	19.38
		721.5	141.1	24.81	132.9	24.12	126.1	23.19	123.2	21.97	117.9	20.55	112.1	19.13
	20	192.4	141.1	22.33	132.9	21.41	126.1	20.36	123.2	19.99	117.9	19.06	112.1	17.64
		240.5	141.1	22.21	132.9	21.29	126.1	20.36	123.2	19.87	117.9	18.94	112.1	17.52
		481.0	141.1	21.77	132.9	20.80	126.1	20.36	123.2	19.38	117.9	18.45	112.1	17.03
		601.3	141.1	21.29	132.9	20.36	126.1	19.87	123.2	19.38	117.9	17.96	112.1	17.03
		721.5	141.1	21.04	132.9	20.13	126.1	19.62	123.2	19.38	117.9	17.71	112.1	17.03
	25	192.4	141.1	19.99	132.9	18.57	126.1	17.52	123.2	17.15	117.9	16.22	112.1	15.23
		240.5	141.1	19.87	132.9	18.45	126.1	17.52	123.2	17.03	117.9	16.10	112.1	15.12
		481.0	141.1	19.38	132.9	17.96	126.1	17.52	123.2	16.54	117.9	15.61	112.1	14.68
		601.3	141.1	18.94	132.9	17.96	126.1	17.03	123.2	16.54	117.9	15.61	112.1	14.68
		721.5	141.1	18.71	132.9	17.96	126.1	16.78	123.2	16.54	117.9	15.61	112.1	14.68
	30	192.4	141.1	17.64	132.9	16.65	126.1	15.73	123.2	15.23	117.9	14.31	112.1	13.38
		240.5	141.1	17.52	132.9	16.54	126.1	15.61	123.2	15.12	117.9	14.19	112.1	13.26
		481.0	141.1	17.03	132.9	16.10	126.1	15.12	123.2	14.68	117.9	13.70	112.1	12.77
		601.3	141.1	17.03	132.9	16.10	126.1	15.12	123.2	14.68	117.9	13.70	112.1	12.77
		721.5	141.1	17.03	132.9	16.10	126.1	15.12	123.2	14.68	117.9	13.70	112.1	12.77
	35	192.4	141.1	16.22	132.9	15.23	126.1	13.81	123.2	13.26	117.9	12.89	112.1	11.84
		240.5	141.1	16.10	132.9	15.12	126.1	13.70	123.2	13.26	117.9	12.77	112.1	11.84
		481.0	141.1	15.61	132.9	14.68	126.1	13.26	123.2	13.26	117.9	12.28	112.1	11.84
		601.3	141.1	15.61	132.9	14.19	126.1	13.26	123.2	12.77	117.9	12.28	112.1	11.35
		721.5	141.1	15.61	132.9	13.94	126.1	13.26	123.2	12.52	117.9	12.28	112.1	11.11
	40	192.4	141.1	15.35	132.9	13.81	126.1	12.28	123.2	12.39	117.9	11.35	112.1	10.97
		240.5	141.1	15.12	132.9	13.70	126.1	12.28	123.2	12.28	117.9	11.35	112.1	10.86
		481.0	141.1	14.19	132.9	13.26	126.1	12.28	123.2	11.84	117.9	11.35	112.1	10.42
		601.3	141.1	14.19	132.9	13.26	126.1	11.84	123.2	11.84	117.9	11.35	112.1	10.42
		721.5	141.1	14.19	132.9	13.26	126.1	11.62	123.2	11.84	117.9	11.35	112.1	10.42

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	192.4	141.1	14.55	132.9	12.39	126.1	10.74	123.2	11.59	117.9	9.81	112.1	10.17
		240.5	141.1	14.19	132.9	12.28	126.1	10.86	123.2	11.35	117.9	9.93	112.1	9.93
		481.0	141.1	12.77	132.9	11.84	126.1	11.35	123.2	10.42	117.9	10.42	112.1	9.00
		601.3	141.1	12.77	132.9	12.28	126.1	10.42	123.2	10.86	117.9	10.42	112.1	9.44
		721.5	141.1	12.77	132.9	12.50	126.1	9.95	123.2	11.08	117.9	10.42	112.1	9.67
70	-5	192.4	49.3	17.10	46.3	16.28	43.8	15.75	43.4	14.85	43.1	14.32	42.4	13.02
		240.5	51.0	17.47	47.9	16.64	45.3	16.10	44.8	15.17	44.5	14.63	43.8	13.31
		481.0	57.7	18.94	54.2	18.06	51.1	17.47	50.7	16.44	50.4	15.85	49.5	14.43
		601.3	63.9	20.45	59.9	19.47	56.6	18.84	56.1	17.71	55.7	17.13	54.6	15.56
		721.5	67.0	21.22	62.8	20.19	59.3	19.53	58.8	18.35	58.3	17.77	57.2	16.13
	0	192.4	88.3	25.03	81.6	23.87	75.7	23.07	74.4	21.71	73.3	20.98	70.7	19.08
		240.5	88.8	25.10	82.0	23.93	76.2	23.14	74.9	21.77	73.7	21.04	71.1	19.13
		481.0	90.8	25.40	84.0	24.17	77.9	23.44	76.6	22.02	75.5	21.29	72.7	19.33
		601.3	92.2	25.40	85.3	24.17	79.1	23.44	77.8	22.02	76.6	21.29	73.8	19.33
		721.5	92.8	25.40	85.9	24.17	79.7	23.44	78.4	22.02	77.2	21.29	74.4	19.33
	5	192.4	121.9	27.27	115.5	25.94	110.0	25.11	107.7	23.67	102.9	22.83	98.0	20.73
		240.5	122.2	27.40	115.7	26.08	110.0	25.25	107.7	23.78	102.9	22.95	98.0	20.84
		481.0	123.2	27.94	116.6	26.62	110.2	25.79	107.7	24.22	102.9	23.44	98.0	21.29
		601.3	123.2	28.14	116.5	26.81	110.2	25.98	107.7	24.42	102.9	23.58	98.0	21.43
		721.5	123.2	28.23	116.4	26.91	110.2	26.08	107.7	24.52	102.9	23.66	98.0	21.51
	10	192.4	122.5	25.10	115.9	23.73	110.2	22.85	107.7	21.58	102.9	20.70	98.0	18.94
		240.5	122.6	25.05	116.0	23.68	110.2	22.80	107.7	21.58	102.9	20.70	98.0	18.94
		481.0	123.2	24.86	116.5	23.49	110.2	22.61	107.7	21.58	102.9	20.70	98.0	18.94
		601.3	123.2	24.95	116.5	23.58	110.2	22.70	107.7	21.68	102.9	20.55	98.0	18.99
		721.5	123.2	25.00	116.5	23.63	110.2	22.75	107.7	21.73	102.9	20.48	98.0	19.01
	15	192.4	123.2	22.94	116.5	21.52	110.2	20.60	107.7	19.49	102.9	18.57	98.0	17.15
		240.5	123.2	22.70	116.5	21.29	110.2	20.36	107.7	19.38	102.9	18.45	98.0	17.03
		481.0	123.2	21.77	116.5	20.36	110.2	19.38	107.7	18.94	102.9	17.96	98.0	16.54
		601.3	123.2	21.77	116.5	20.36	110.2	19.38	107.7	18.94	102.9	17.52	98.0	16.54
		721.5	123.2	21.77	116.5	20.36	110.2	19.38	107.7	18.94	102.9	17.30	98.0	16.54
	20	192.4	123.2	19.06	116.5	18.07	110.2	17.64	107.7	17.15	102.9	16.22	98.0	15.23
		240.5	123.2	18.94	116.5	17.96	110.2	17.52	107.7	17.03	102.9	16.10	98.0	15.12
		481.0	123.2	18.45	116.5	17.52	110.2	17.03	107.7	16.54	102.9	15.61	98.0	14.68
		601.3	123.2	18.45	116.5	17.52	110.2	17.03	107.7	16.10	102.9	15.61	98.0	14.19
		721.5	123.2	18.45	116.5	17.52	110.2	17.03	107.7	15.88	102.9	15.61	98.0	13.94
	25	192.4	123.2	17.15	116.5	16.22	110.2	15.23	107.7	14.80	102.9	13.70	98.0	12.77
		240.5	123.2	17.03	116.5	16.10	110.2	15.12	107.7	14.68	102.9	13.70	98.0	12.77
		481.0	123.2	16.54	116.5	15.61	110.2	14.68	107.7	14.19	102.9	13.70	98.0	12.77
		601.3	123.2	16.10	116.5	15.12	110.2	14.68	107.7	14.19	102.9	13.26	98.0	12.77
		721.5	123.2	15.88	116.5	14.87	110.2	14.68	107.7	14.19	102.9	13.04	98.0	12.77
	30	192.4	123.2	15.23	116.5	14.31	110.2	13.38	107.7	12.77	102.9	12.39	98.0	11.35
		240.5	123.2	15.12	116.5	14.19	110.2	13.26	107.7	12.77	102.9	12.28	98.0	11.35
		481.0	123.2	14.68	116.5	13.70	110.2	12.77	107.7	12.77	102.9	11.84	98.0	11.35
		601.3	123.2	14.68	116.5	13.70	110.2	12.77	107.7	12.28	102.9	11.84	98.0	11.35
		721.5	123.2	14.68	116.5	13.70	110.2	12.77	107.7	12.04	102.9	11.84	98.0	11.35
	35	192.4	123.2	13.81	116.5	12.89	110.2	11.84	107.7	11.96	102.9	10.86	98.0	10.55
		240.5	123.2	13.70	116.5	12.77	110.2	11.84	107.7	11.84	102.9	10.86	98.0	10.42
		481.0	123.2	13.26	116.5	12.28	110.2	11.84	107.7	11.35	102.9	10.86	98.0	9.93
		601.3	123.2	13.26	116.5	12.28	110.2	11.35	107.7	11.35	102.9	10.86	98.0	9.93
		721.5	123.2	13.26	116.5	12.28	110.2	11.11	107.7	11.35	102.9	10.86	98.0	9.93
	40	192.4	123.2	12.89	116.5	11.96	110.2	10.97	107.7	10.42	102.9	9.93	98.0	9.55
		240.5	123.2	12.77	116.5	11.84	110.2	10.86	107.7	10.42	102.9	9.93	98.0	9.44
		481.0	123.2	12.28	116.5	11.35	110.2	10.42	107.7	10.42	102.9	9.93	98.0	9.00
		601.3	123.2	12.28	116.5	11.35	110.2	10.42	107.7	9.93	102.9	9.44	98.0	9.00
		721.5	123.2	12.28	116.5	11.35	110.2	10.42	107.7	9.69	102.9	9.20	98.0	9.00
	45	192.4	123.2	11.96	116.5	10.97	110.2	10.17	107.7	8.89	102.9	9.00	98.0	8.64
		240.5	123.2	11.84	116.5	10.86	110.2	9.93	107.7	9.00	102.9	9.00	98.0	8.51
		481.0	123.2	11.35	116.5	10.42	110.2	9.00	107.7	9.44	102.9	9.00	98.0	8.02
		601.3	123.2	11.35	116.5	10.42	110.2	9.44	107.7	8.51	102.9	8.02	98.0	8.02
		721.5	123.2	11.35	116.5	10.42	110.2	9.67	107.7	8.05	102.9	7.53	98.0	8.02
60	-5	192.4	42.3	13.88	39.7	13.36	37.5	12.83	37.1	11.92	36.9	11.73	36.2	10.48
		240.5	43.8	14.19	41.0	13.65	38.8	13.11	38.4	12.18	38.2	11.99	37.5	10.72
		481.0	49.7	15.41	46.4	14.83	44.0	14.24	43.5	13.21	43.4	13.02	42.5	11.65
		601.3	54.8	16.59	51.3	16.00	48.6	15.36	48.1	14.29	47.9	14.04	46.9	12.53
		721.5	57.4	17.18	53.7	16.59	51.0	15.93	50.3	14.83	50.2	14.56	49.1	12.97

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	192.4	75.7	20.34	69.8	19.62	65.1	18.78	63.8	17.47	62.9	17.22	60.6	15.38
		240.5	76.2	20.40	70.2	19.67	65.5	18.84	64.2	17.52	63.3	17.27	60.9	15.41
		481.0	77.9	20.65	71.8	19.87	67.1	19.08	65.6	17.71	64.8	17.47	62.3	15.56
		601.3	79.1	20.65	73.0	19.87	68.1	19.08	66.7	17.71	65.8	17.47	63.3	15.56
		721.5	79.7	20.65	73.6	19.87	68.6	19.08	67.2	17.71	66.3	17.47	63.8	15.56
	5	192.4	104.7	22.15	98.7	21.32	94.6	20.44	92.3	19.03	88.3	18.74	84.1	16.70
		240.5	104.9	22.26	98.9	21.43	94.6	20.55	92.3	19.13	88.3	18.84	84.1	16.78
		481.0	105.8	22.70	99.6	21.87	94.6	20.99	92.3	19.52	88.3	19.23	84.1	17.13
		601.3	105.8	22.90	99.5	22.02	94.6	21.14	92.3	19.67	88.3	19.33	84.1	17.27
		721.5	105.8	23.00	99.4	22.09	94.6	21.21	92.3	19.74	88.3	19.38	84.1	17.35
	10	192.4	105.2	20.36	99.1	19.47	94.6	18.54	92.3	17.32	88.3	16.99	84.1	15.23
		240.5	105.3	20.36	99.2	19.47	94.6	18.54	92.3	17.37	88.3	16.98	84.1	15.27
		481.0	105.8	20.36	99.6	19.47	94.6	18.54	92.3	17.57	88.3	16.93	84.1	15.41
		601.3	105.8	20.40	99.5	19.28	94.6	18.35	92.3	17.37	88.3	16.78	84.1	15.27
		721.5	105.8	20.43	99.4	19.18	94.6	18.25	92.3	17.27	88.3	16.71	84.1	15.19
	15	192.4	105.8	18.57	99.5	17.64	94.6	16.65	92.3	15.61	88.3	15.23	84.1	13.70
		240.5	105.8	18.45	99.5	17.52	94.6	16.54	92.3	15.61	88.3	15.12	84.1	13.70
		481.0	105.8	17.96	99.5	17.03	94.6	16.10	92.3	15.61	88.3	14.68	84.1	13.70
		601.3	105.8	17.96	99.5	16.54	94.6	15.61	92.3	15.12	88.3	14.19	84.1	13.26
		721.5	105.8	17.96	99.5	16.29	94.6	15.36	92.3	14.87	88.3	13.94	84.1	13.04
	20	192.4	105.8	16.22	99.5	15.23	94.6	14.31	92.3	13.81	88.3	13.38	84.1	12.39
		240.5	105.8	16.10	99.5	15.12	94.6	14.19	92.3	13.70	88.3	13.26	84.1	12.28
		481.0	105.8	15.61	99.5	14.68	94.6	13.70	92.3	13.26	88.3	12.77	84.1	11.84
		601.3	105.8	15.61	99.5	14.68	94.6	13.70	92.3	13.26	88.3	12.77	84.1	11.84
		721.5	105.8	15.61	99.5	14.68	94.6	13.70	92.3	13.26	88.3	12.77	84.1	11.84
	25	192.4	105.8	14.31	99.5	13.38	94.6	12.28	92.3	12.39	88.3	11.35	84.1	10.97
		240.5	105.8	14.19	99.5	13.26	94.6	12.28	92.3	12.28	88.3	11.35	84.1	10.86
		481.0	105.8	13.70	99.5	12.77	94.6	12.28	92.3	11.84	88.3	11.35	84.1	10.42
		601.3	105.8	13.70	99.5	12.77	94.6	11.84	92.3	11.84	88.3	11.35	84.1	10.42
		721.5	105.8	13.70	99.5	12.77	94.6	11.62	92.3	11.84	88.3	11.35	84.1	10.42
	30	192.4	105.8	12.89	99.5	11.96	94.6	11.48	92.3	10.97	88.3	10.55	84.1	10.06
		240.5	105.8	12.77	99.5	11.84	94.6	11.35	92.3	10.86	88.3	10.42	84.1	9.93
		481.0	105.8	12.28	99.5	11.35	94.6	10.86	92.3	10.42	88.3	9.93	84.1	9.44
		601.3	105.8	12.28	99.5	11.35	94.6	10.86	92.3	10.42	88.3	9.93	84.1	9.44
		721.5	105.8	12.28	99.5	11.35	94.6	10.86	92.3	10.42	88.3	9.93	84.1	9.44
	35	192.4	105.8	11.35	99.5	10.97	94.6	9.93	92.3	10.06	88.3	9.55	84.1	9.13
		240.5	105.8	11.35	99.5	10.86	94.6	9.93	92.3	9.93	88.3	9.44	84.1	9.00
		481.0	105.8	11.35	99.5	10.42	94.6	9.93	92.3	9.44	88.3	9.00	84.1	8.51
		601.3	105.8	11.35	99.5	10.42	94.6	9.44	92.3	9.44	88.3	9.00	84.1	8.51
		721.5	105.8	11.35	99.5	10.42	94.6	9.20	92.3	9.44	88.3	9.00	84.1	8.51
	40	192.4	105.8	10.42	99.5	10.06	94.6	9.00	92.3	9.13	88.3	8.64	84.1	8.02
		240.5	105.8	10.42	99.5	9.93	94.6	9.00	92.3	9.00	88.3	8.51	84.1	8.02
		481.0	105.8	10.42	99.5	9.44	94.6	9.00	92.3	8.51	88.3	8.02	84.1	8.02
		601.3	105.8	10.42	99.5	9.44	94.6	9.00	92.3	8.51	88.3	8.02	84.1	8.02
		721.5	105.8	10.42	99.5	9.44	94.6	9.00	92.3	8.51	88.3	8.02	84.1	8.02
	45	192.4	105.8	9.44	99.5	9.13	94.6	8.02	92.3	8.14	88.3	7.71	84.1	6.97
		240.5	105.8	9.44	99.5	9.00	94.6	8.02	92.3	8.02	88.3	7.58	84.1	7.10
		481.0	105.8	9.44	99.5	8.51	94.6	8.02	92.3	7.58	88.3	7.10	84.1	7.58
		601.3	105.8	9.44	99.5	8.51	94.6	8.51	92.3	7.58	88.3	7.10	84.1	7.58
		721.5	105.8	9.44	99.5	8.51	94.6	8.76	92.3	7.58	88.3	7.10	84.1	7.58
50	-5	192.4	35.3	11.07	33.2	10.48	31.3	9.92	30.9	9.38	30.7	8.81	30.2	8.34
		240.5	36.5	11.30	34.3	10.72	32.4	10.13	31.9	9.59	31.8	9.00	31.2	8.51
		481.0	41.2	12.23	38.7	11.65	36.6	10.96	36.2	10.42	36.0	9.79	35.3	9.20
		601.3	45.6	13.21	42.8	12.53	40.4	11.84	40.0	11.25	39.7	10.52	39.1	9.93
		721.5	47.8	13.70	44.8	12.97	42.4	12.29	41.9	11.67	41.6	10.89	41.0	10.30
	0	192.4	62.9	16.21	58.3	15.38	54.2	14.48	53.0	13.75	52.3	12.93	50.4	12.20
		240.5	63.3	16.25	58.6	15.41	54.5	14.53	53.3	13.80	52.6	12.97	50.7	12.23
		481.0	64.8	16.39	59.9	15.56	55.8	14.73	54.6	13.99	53.9	13.11	51.9	12.38
		601.3	65.8	16.39	60.8	15.56	56.6	14.73	55.5	13.99	54.6	13.11	52.7	12.38
		721.5	66.3	16.39	61.2	15.56	56.9	14.73	56.0	13.99	55.0	13.11	53.2	12.38
	5	192.4	87.0	17.63	82.5	16.70	78.6	15.77	76.8	15.00	73.4	14.08	70.0	13.24
		240.5	87.2	17.71	82.6	16.78	78.7	15.85	76.8	15.07	73.4	14.14	70.0	13.31
		481.0	87.9	18.06	83.2	17.13	78.8	16.20	76.8	15.36	73.4	14.39	70.0	13.60
		601.3	87.9	18.20	83.1	17.27	78.8	16.29	76.8	15.46	73.4	14.53	70.0	13.70
		721.5	87.9	18.28	83.0	17.35	78.8	16.34	76.8	15.51	73.4	14.61	70.0	13.75

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(50HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	192.4	87.5	16.22	82.7	15.28	78.6	14.36	76.8	13.73	73.4	12.68	70.0	12.11
		240.5	87.6	16.20	82.8	15.27	78.7	14.34	76.8	13.70	73.4	12.72	70.0	12.09
		481.0	87.9	16.10	83.2	15.22	78.8	14.24	76.8	13.60	73.4	12.87	70.0	11.99
		601.3	87.9	16.20	83.1	15.27	78.8	14.29	76.8	13.65	73.4	12.67	70.0	12.04
		721.5	87.9	16.25	83.0	15.29	78.8	14.31	76.8	13.68	73.4	12.57	70.0	12.06
	15	192.4	87.9	14.80	83.1	13.81	78.8	12.89	76.8	12.39	73.4	11.35	70.0	10.97
		240.5	87.9	14.68	83.1	13.70	78.8	12.77	76.8	12.28	73.4	11.35	70.0	10.86
		481.0	87.9	14.19	83.1	13.26	78.8	12.28	76.8	11.84	73.4	11.35	70.0	10.42
		601.3	87.9	14.19	83.1	13.26	78.8	12.28	76.8	11.84	73.4	10.86	70.0	10.42
		721.5	87.9	14.19	83.1	13.26	78.8	12.28	76.8	11.84	73.4	10.62	70.0	10.42
	20	192.4	87.9	12.89	83.1	11.96	78.8	11.48	76.8	10.97	73.4	10.55	70.0	9.44
		240.5	87.9	12.77	83.1	11.84	78.8	11.35	76.8	10.86	73.4	10.42	70.0	9.44
		481.0	87.9	12.28	83.1	11.35	78.8	10.86	76.8	10.42	73.4	9.93	70.0	9.44
		601.3	87.9	12.28	83.1	11.35	78.8	10.86	76.8	10.42	73.4	9.93	70.0	9.44
		721.5	87.9	12.28	83.1	11.35	78.8	10.86	76.8	10.42	73.4	9.93	70.0	9.44
	25	192.4	87.9	11.48	83.1	10.42	78.8	10.06	76.8	9.44	73.4	9.00	70.0	8.51
		240.5	87.9	11.35	83.1	10.42	78.8	9.93	76.8	9.44	73.4	9.00	70.0	8.51
		481.0	87.9	10.86	83.1	10.42	78.8	9.44	76.8	9.44	73.4	9.00	70.0	8.51
		601.3	87.9	10.86	83.1	10.42	78.8	9.44	76.8	9.44	73.4	9.00	70.0	8.51
		721.5	87.9	10.86	83.1	10.42	78.8	9.44	76.8	9.44	73.4	9.00	70.0	8.51
	30	192.4	87.9	10.55	83.1	9.55	78.8	9.13	76.8	8.51	73.4	8.64	70.0	8.14
		240.5	87.9	10.42	83.1	9.44	78.8	9.00	76.8	8.51	73.4	8.51	70.0	8.02
		481.0	87.9	9.93	83.1	9.00	78.8	8.51	76.8	8.51	73.4	8.02	70.0	7.58
		601.3	87.9	9.93	83.1	9.00	78.8	8.51	76.8	8.51	73.4	8.02	70.0	7.58
		721.5	87.9	9.93	83.1	9.00	78.8	8.51	76.8	8.51	73.4	8.02	70.0	7.58
	35	192.4	87.9	9.55	83.1	8.51	78.8	8.02	76.8	8.14	73.4	7.58	70.0	7.10
		240.5	87.9	9.44	83.1	8.51	78.8	8.02	76.8	8.02	73.4	7.58	70.0	7.10
		481.0	87.9	9.00	83.1	8.51	78.8	8.02	76.8	7.58	73.4	7.58	70.0	7.10
		601.3	87.9	9.00	83.1	8.51	78.8	8.02	76.8	7.58	73.4	7.58	70.0	7.10
		721.5	87.9	9.00	83.1	8.51	78.8	8.02	76.8	7.58	73.4	7.58	70.0	7.10
	40	192.4	87.9	8.64	83.1	8.14	78.8	7.71	76.8	7.10	73.4	7.22	70.0	6.61
		240.5	87.9	8.51	83.1	8.02	78.8	7.58	76.8	7.10	73.4	7.10	70.0	6.61
		481.0	87.9	8.02	83.1	7.58	78.8	7.10	76.8	7.10	73.4	6.61	70.0	6.61
		601.3	87.9	8.02	83.1	7.58	78.8	7.10	76.8	7.10	73.4	6.61	70.0	6.61
		721.5	87.9	8.02	83.1	7.58	78.8	7.10	76.8	7.10	73.4	6.61	70.0	6.61
	45	192.4	87.9	7.71	83.1	7.83	78.8	7.33	76.8	6.05	73.4	6.84	70.0	6.17
		240.5	87.9	7.58	83.1	7.58	78.8	7.10	76.8	6.17	73.4	6.61	70.0	6.17
		481.0	87.9	7.10	83.1	6.61	78.8	6.17	76.8	6.61	73.4	5.68	70.0	6.17
		601.3	87.9	7.10	83.1	6.61	78.8	6.17	76.8	6.61	73.4	5.68	70.0	6.17
		721.5	87.9	7.10	83.1	6.61	78.8	6.17	76.8	6.61	73.4	5.68	70.0	6.17

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(52HP)

ARWN520LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	200.0	77.5	31.39	76.9	29.55	76.5	27.51	75.4	26.70	76.3	26.00	74.2	23.31
		250.0	80.1	31.93	79.5	30.13	79.1	28.11	78.0	27.28	78.9	26.56	76.8	23.82
		500.0	90.7	34.10	89.9	32.40	89.4	30.49	88.2	29.61	89.3	28.78	87.0	25.84
		625.0	100.3	36.27	99.3	34.62	98.7	32.86	97.5	31.99	98.7	31.06	96.1	27.85
		750.0	105.1	37.37	104.1	35.74	103.4	34.06	102.2	33.18	103.5	32.20	100.8	28.87
	0	200.0	138.4	42.93	135.3	41.65	132.4	40.29	129.5	39.15	130.0	38.08	124.0	34.10
		250.0	139.3	43.04	136.1	41.75	133.2	40.41	130.3	39.27	130.7	38.19	124.8	34.21
		500.0	142.6	43.51	139.1	42.16	136.2	40.87	133.3	39.74	133.8	38.60	127.8	34.62
		625.0	144.8	43.51	141.2	42.16	138.4	40.87	135.3	39.74	135.8	38.60	129.7	34.62
		750.0	145.8	43.51	142.3	42.16	139.4	40.87	136.3	39.74	136.8	38.60	130.6	34.62
	5	200.0	199.4	46.14	196.4	45.00	192.3	43.85	187.4	42.61	182.4	41.44	172.3	37.11
		250.0	200.1	46.35	196.7	45.21	192.3	44.08	187.4	42.84	182.4	41.65	172.3	37.31
		500.0	202.8	47.18	198.1	46.04	192.4	44.96	187.4	43.71	182.4	42.47	172.3	38.08
		625.0	204.0	47.49	198.7	46.35	192.4	45.27	187.4	44.02	182.4	42.78	172.3	38.34
		750.0	204.6	47.64	199.0	46.51	192.4	45.42	187.4	44.18	182.4	42.94	172.3	38.47
	10	200.0	199.6	41.98	196.4	40.58	191.7	39.81	186.6	38.92	181.7	37.59	171.6	33.92
		250.0	200.8	41.91	197.3	40.61	192.4	39.89	187.4	38.91	182.4	37.57	172.3	33.90
		500.0	205.5	41.60	201.0	40.77	195.5	40.20	190.5	38.86	185.1	37.46	175.1	33.79
		625.0	206.6	42.16	202.4	41.34	196.7	40.36	191.4	39.01	186.4	38.08	176.1	35.40
		750.0	207.2	42.45	203.0	41.62	197.3	40.43	191.8	39.09	187.0	38.40	176.7	36.20
	15	200.0	199.9	37.84	196.4	36.22	190.9	35.84	185.9	35.24	181.0	33.74	170.9	30.75
		250.0	201.6	37.46	197.9	36.07	192.4	35.76	187.4	34.98	182.4	33.48	172.3	30.49
		500.0	208.1	35.96	203.9	35.45	198.5	35.45	193.5	33.95	187.9	32.45	177.8	29.45
		625.0	209.2	36.84	205.9	36.27	201.0	35.45	195.5	33.95	190.5	33.38	180.0	32.45
		750.0	209.7	37.29	206.9	36.69	202.2	35.45	196.5	33.95	191.8	33.85	181.0	33.96
	20	200.0	207.6	34.71	203.7	33.10	198.4	32.37	192.9	31.34	187.3	30.64	176.2	29.70
		250.0	209.2	34.47	205.4	33.07	199.9	32.35	194.4	31.47	188.9	30.85	177.8	29.45
		500.0	215.8	33.48	211.9	32.97	206.0	32.24	200.5	31.99	195.5	31.68	184.4	28.47
		625.0	216.7	33.48	213.5	32.97	208.4	32.45	202.5	31.99	197.0	31.68	185.9	30.28
		750.0	217.1	33.48	214.2	32.97	209.7	32.55	203.5	31.99	197.8	31.68	186.7	31.19
	25	200.0	219.1	33.10	213.5	32.14	208.4	31.60	204.5	31.07	199.9	30.62	188.5	28.60
		250.0	219.1	32.97	213.5	32.09	208.4	31.47	204.5	30.95	199.9	30.49	188.5	28.47
		500.0	219.1	32.45	213.5	31.88	208.4	30.95	204.5	30.49	199.9	29.97	188.5	27.95
		625.0	219.1	31.99	213.5	31.06	208.4	30.49	204.5	29.97	199.9	29.45	188.5	27.49
		750.0	219.1	31.75	213.5	30.64	208.4	30.25	204.5	29.71	199.9	29.19	188.5	27.26
	30	200.0	219.1	32.25	213.5	30.64	208.4	30.36	204.5	29.57	199.9	29.25	188.5	27.22
		250.0	219.1	31.99	213.5	30.59	208.4	30.18	204.5	29.45	199.9	28.99	188.5	26.97
		500.0	219.1	30.95	213.5	30.38	208.4	29.45	204.5	28.99	199.9	27.95	188.5	25.99
		625.0	219.1	30.49	213.5	29.56	208.4	28.99	204.5	28.47	199.9	27.95	188.5	25.99
		750.0	219.1	30.25	213.5	29.14	208.4	28.75	204.5	28.21	199.9	27.95	188.5	25.99
	35	200.0	219.1	30.75	213.5	29.73	208.4	29.12	204.5	28.07	199.9	27.10	188.5	25.21
		250.0	219.1	30.49	213.5	29.56	208.4	28.99	204.5	27.95	199.9	26.97	188.5	24.96
		500.0	219.1	29.45	213.5	28.88	208.4	28.47	204.5	27.49	199.9	26.46	188.5	23.98
		625.0	219.1	29.45	213.5	28.57	208.4	27.95	204.5	26.97	199.9	25.99	188.5	23.98
		750.0	219.1	29.45	213.5	28.42	208.4	27.69	204.5	26.71	199.9	25.76	188.5	23.98
	40	200.0	219.1	29.70	213.5	28.76	208.4	28.20	204.5	27.22	199.9	26.25	188.5	23.71
		250.0	219.1	29.45	213.5	28.57	208.4	27.95	204.5	26.97	199.9	25.99	188.5	23.46
		500.0	219.1	28.47	213.5	27.85	208.4	26.97	204.5	25.99	199.9	24.96	188.5	22.48
		625.0	219.1	27.95	213.5	27.39	208.4	26.97	204.5	25.99	199.9	24.96	188.5	22.48
		750.0	219.1	27.69	213.5	27.15	208.4	26.97	204.5	25.99	199.9	24.96	188.5	22.48
	45	200.0	219.1	28.72	213.5	27.78	208.4	27.35	204.5	26.37	199.9	25.34	188.5	22.21
		250.0	219.1	28.47	213.5	27.59	208.4	26.97	204.5	25.99	199.9	24.96	188.5	21.96
		500.0	219.1	27.49	213.5	26.87	208.4	25.47	204.5	24.49	199.9	23.46	188.5	20.98
		625.0	219.1	26.46	213.5	26.20	208.4	25.99	204.5	24.96	199.9	23.98	188.5	20.98
		750.0	219.1	25.94	213.5	25.86	208.4	26.25	204.5	25.19	199.9	24.24	188.5	20.98
120	-5	200.0	73.6	31.39	73.1	29.55	72.6	27.51	71.7	26.35	72.3	25.59	70.4	22.90
		250.0	76.2	31.93	75.6	30.13	75.1	28.11	74.2	26.92	74.8	26.15	72.8	23.41
		500.0	86.2	34.10	85.5	32.40	85.0	30.49	84.0	29.19	84.7	28.37	82.4	25.42
		625.0	95.2	36.27	94.5	34.62	93.9	32.86	92.8	31.52	93.6	30.59	91.0	27.39
		750.0	99.8	37.37	99.0	35.74	98.3	34.06	97.2	32.69	98.0	31.71	95.3	28.38
	0	200.0	131.6	42.93	128.4	41.65	125.7	40.29	123.1	38.59	123.1	37.51	117.5	33.53
		250.0	132.4	43.04	129.2	41.75	126.5	40.41	123.9	38.70	123.9	37.62	118.2	33.64
		500.0	135.5	43.51	132.3	42.16	129.5	40.87	126.8	39.17	126.8	38.03	121.1	34.05
		625.0	137.6	43.51	134.4	42.16	131.5	40.87	128.8	39.17	128.6	38.03	123.0	34.05
		750.0	138.7	43.51	135.5	42.16	132.5	40.87	129.8	39.17	129.5	38.03	123.9	34.05

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(52HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	200.0	189.8	46.14	186.9	45.00	182.8	43.85	178.4	41.99	172.8	40.82	163.3	36.56
		250.0	190.5	46.35	187.3	45.21	182.8	44.08	178.4	42.22	172.8	41.03	163.3	36.74
		500.0	193.2	47.18	188.6	46.04	182.8	44.96	178.4	43.09	172.8	41.85	163.3	37.46
		625.0	194.3	47.49	187.6	46.35	182.8	45.27	178.4	43.40	172.8	42.16	163.3	37.72
		750.0	194.8	47.64	187.0	46.51	182.8	45.42	178.4	43.56	172.8	42.32	163.3	37.85
	10	200.0	190.5	41.45	187.0	40.30	182.3	39.49	177.9	38.29	172.3	37.02	162.9	33.29
		250.0	191.4	41.60	187.7	40.46	182.8	39.63	178.4	38.34	172.8	37.00	163.3	33.33
		500.0	194.9	42.16	190.8	41.08	184.8	40.20	180.4	38.55	174.6	36.89	165.0	33.48
		625.0	196.0	42.01	190.2	41.08	185.6	40.36	181.2	38.70	175.4	37.05	165.8	34.62
		750.0	196.5	41.93	189.9	41.08	186.0	40.43	181.6	38.78	175.8	37.13	166.2	35.19
	15	200.0	191.0	36.76	187.2	35.68	181.8	35.12	177.4	34.60	171.9	33.21	162.5	30.10
		250.0	192.1	36.84	188.3	35.76	182.8	35.19	178.4	34.47	172.8	32.97	163.3	29.97
		500.0	196.6	37.15	192.9	36.07	187.0	35.45	182.4	33.95	176.3	31.99	166.8	29.45
		625.0	197.6	36.58	192.8	35.76	188.5	35.45	183.9	33.95	177.8	31.99	168.4	31.47
		750.0	198.2	36.30	192.7	35.60	189.3	35.45	184.7	33.95	178.6	31.99	169.1	32.48
	20	200.0	196.4	33.07	192.7	31.66	186.8	30.82	181.7	30.37	175.8	30.00	166.3	28.47
		250.0	197.6	33.07	193.8	31.78	187.9	30.95	182.8	30.49	176.9	29.97	167.3	28.37
		500.0	202.7	33.07	198.4	32.24	192.0	31.47	187.4	30.95	181.3	29.87	171.3	27.95
		625.0	203.6	32.76	198.2	31.99	193.5	31.47	188.5	30.95	182.4	29.97	172.3	28.99
		750.0	204.0	32.60	198.2	31.86	194.3	31.47	189.0	30.95	182.9	30.02	172.9	29.51
	25	200.0	205.9	31.28	199.9	29.82	193.5	29.25	189.4	28.60	184.4	28.07	174.3	26.12
		250.0	206.0	31.16	199.9	29.76	193.5	29.19	189.4	28.47	184.4	27.95	174.3	25.99
		500.0	206.5	30.69	199.9	29.56	193.5	28.99	189.4	27.95	184.4	27.49	174.3	25.47
		625.0	207.1	29.56	199.9	28.78	193.5	28.47	189.4	27.95	184.4	26.97	174.3	25.47
		750.0	207.4	28.98	199.9	28.39	193.5	28.21	189.4	27.95	184.4	26.71	174.3	25.47
	30	200.0	207.1	29.91	199.9	28.43	193.5	27.62	189.4	26.57	184.4	26.25	174.3	24.11
		250.0	207.1	29.66	199.9	28.26	193.5	27.49	189.4	26.46	184.4	25.99	174.3	23.98
		500.0	207.1	28.68	199.9	27.59	193.5	26.97	189.4	25.99	184.4	24.96	174.3	23.46
		625.0	207.1	27.75	199.9	26.97	193.5	26.46	189.4	25.99	184.4	24.96	174.3	22.99
		750.0	207.1	27.28	199.9	26.66	193.5	26.20	189.4	25.99	184.4	24.96	174.3	22.76
	35	200.0	207.1	28.57	199.9	27.01	193.5	26.25	189.4	25.21	184.4	24.22	174.3	22.08
		250.0	207.1	28.16	199.9	26.77	193.5	25.99	189.4	24.96	184.4	23.98	174.3	21.96
		500.0	207.1	26.56	199.9	25.78	193.5	24.96	189.4	23.98	184.4	22.99	174.3	21.50
		625.0	207.1	26.25	199.9	25.58	193.5	24.96	189.4	23.98	184.4	22.99	174.3	20.98
		750.0	207.1	26.09	199.9	25.47	193.5	24.96	189.4	23.98	184.4	22.99	174.3	20.72
	40	200.0	207.1	27.71	199.9	25.77	193.5	24.75	189.4	23.71	184.4	22.73	174.3	20.58
		250.0	207.1	27.18	199.9	25.47	193.5	24.49	189.4	23.46	184.4	22.48	174.3	20.46
		500.0	207.1	25.06	199.9	24.29	193.5	23.46	189.4	22.48	184.4	21.50	174.3	20.00
		625.0	207.1	24.75	199.9	23.98	193.5	23.46	189.4	22.48	184.4	21.50	174.3	19.48
		750.0	207.1	24.59	199.9	23.82	193.5	23.46	189.4	22.48	184.4	21.50	174.3	19.22
	45	200.0	207.1	26.86	199.9	24.54	193.5	23.26	189.4	22.21	184.4	21.23	174.3	19.08
		250.0	207.1	26.20	199.9	24.18	193.5	22.99	189.4	21.96	184.4	20.98	174.3	18.96
		500.0	207.1	23.56	199.9	22.79	193.5	21.96	189.4	20.98	184.4	20.00	174.3	18.50
		625.0	207.1	23.25	199.9	22.37	193.5	21.96	189.4	20.98	184.4	20.00	174.3	17.98
		750.0	207.1	23.10	199.9	22.17	193.5	21.96	189.4	20.98	184.4	20.00	174.3	17.72
110	-5	200.0	69.7	31.80	69.2	29.55	68.8	27.51	68.0	26.35	68.2	25.59	66.7	22.90
		250.0	72.1	32.35	71.6	30.13	71.2	28.11	70.4	26.92	70.5	26.15	69.0	23.41
		500.0	81.5	34.52	81.1	32.40	80.6	30.49	79.7	29.19	79.7	28.37	78.2	25.42
		625.0	90.1	36.74	89.4	34.62	89.0	32.86	88.1	31.52	88.1	30.59	86.2	27.39
		750.0	94.4	37.86	93.7	35.74	93.2	34.06	92.3	32.69	92.3	31.71	90.3	28.38
	0	200.0	124.5	43.51	121.8	41.65	119.2	40.29	116.9	38.59	115.9	37.51	111.5	33.53
		250.0	125.2	43.61	122.5	41.75	119.9	40.41	117.6	38.70	116.6	37.62	112.1	33.64
		500.0	128.1	44.02	125.4	42.16	122.7	40.87	120.4	39.17	119.3	38.03	114.7	34.05
		625.0	130.1	44.02	127.4	42.16	124.6	40.87	122.2	39.17	121.1	38.03	116.4	34.05
		750.0	131.1	44.02	128.4	42.16	125.6	40.87	123.1	39.17	122.1	38.03	117.3	34.05
	5	200.0	181.6	46.76	177.3	45.00	173.2	43.85	169.3	41.99	162.7	40.82	154.8	36.56
		250.0	182.2	46.97	177.7	45.21	173.2	44.08	169.3	42.22	162.7	41.03	154.8	36.74
		500.0	184.7	47.80	179.0	46.04	173.4	44.96	169.3	43.09	162.7	41.85	154.8	37.46
		625.0	185.7	48.11	179.5	46.35	173.4	45.27	169.3	43.40	162.7	42.16	154.8	37.72
		750.0	186.3	48.26	179.7	46.51	173.4	45.42	169.3	43.56	162.7	42.32	154.8	37.85
	10	200.0	182.3	41.93	177.8	40.50	173.0	39.62	169.0	38.29	162.5	37.02	154.6	33.29
		250.0	183.0	42.01	178.3	40.61	173.2	39.74	169.3	38.34	162.7	37.00	154.8	33.33
		500.0	185.7	42.32	180.1	41.08	174.3	40.20	170.4	38.55	163.8	36.89	155.6	33.48
		625.0	186.8	42.32	180.9	41.08	174.9	40.10	170.7	38.44	164.1	37.05	156.0	33.85
		750.0	187.3	42.32	181.2	41.08	175.2	40.05	170.8	38.39	164.3	37.13	156.3	34.03

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(52HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	200.0	182.8	37.10	178.1	36.07	172.9	35.45	168.8	34.60	162.2	33.21	154.4	30.10
		250.0	183.6	37.05	178.7	36.07	173.4	35.45	169.3	34.47	162.7	32.97	154.8	29.97
		500.0	186.7	36.84	181.3	36.07	175.4	35.45	171.3	33.95	164.9	31.99	156.3	29.45
		625.0	187.7	36.58	182.2	35.76	176.3	34.98	171.9	33.48	165.3	31.99	157.2	29.97
		750.0	188.3	36.45	182.7	35.60	176.8	34.75	172.2	33.25	165.6	31.99	157.7	30.23
	20	200.0	186.3	32.02	181.2	31.26	175.3	30.49	170.6	29.97	164.4	29.12	155.7	27.23
		250.0	187.3	32.09	181.8	31.26	175.8	30.49	171.3	29.97	164.9	28.99	156.3	27.18
		500.0	191.2	32.35	184.2	31.26	177.8	30.49	173.9	29.97	166.8	28.47	158.8	26.97
		625.0	192.3	32.35	185.7	31.26	178.9	30.49	174.3	29.45	167.8	28.47	159.2	26.97
		750.0	192.8	32.35	186.5	31.26	179.4	30.49	174.5	29.19	168.2	28.47	159.5	26.97
	25	200.0	192.1	29.14	186.4	28.07	178.9	27.62	174.9	26.57	168.8	25.61	159.8	23.46
		250.0	192.4	29.09	186.4	27.95	178.9	27.49	174.9	26.46	168.8	25.47	159.8	23.46
		500.0	194.0	28.88	186.4	27.49	178.9	26.97	174.9	25.99	168.8	24.96	159.8	23.46
		625.0	194.9	28.88	186.4	27.59	178.9	26.46	174.9	25.99	168.8	24.49	159.8	22.99
		750.0	195.3	28.88	186.4	27.65	178.9	26.20	174.9	25.99	168.8	24.26	159.8	22.76
	30	200.0	194.9	26.57	186.4	25.61	178.9	24.62	174.9	24.11	168.8	22.61	159.8	21.11
		250.0	194.9	26.46	186.4	25.47	178.9	24.49	174.9	23.98	168.8	22.48	159.8	20.98
		500.0	194.9	25.99	186.4	24.96	178.9	23.98	174.9	23.46	168.8	21.96	159.8	20.46
		625.0	194.9	25.78	186.4	24.49	178.9	23.46	174.9	22.99	168.8	21.96	159.8	20.46
		750.0	194.9	25.68	186.4	24.26	178.9	23.20	174.9	22.76	168.8	21.96	159.8	20.46
	35	200.0	194.9	25.21	186.4	23.58	178.9	22.61	174.9	21.63	168.8	20.58	159.8	19.08
		250.0	194.9	24.96	186.4	23.46	178.9	22.48	174.9	21.50	168.8	20.46	159.8	18.96
		500.0	194.9	23.98	186.4	22.99	178.9	21.96	174.9	20.98	168.8	20.00	159.8	18.50
		625.0	194.9	23.36	186.4	22.48	178.9	21.50	174.9	20.98	168.8	20.00	159.8	18.50
		750.0	194.9	23.04	186.4	22.22	178.9	21.26	174.9	20.98	168.8	20.00	159.8	18.50
	40	200.0	194.9	23.71	186.4	22.73	178.9	21.23	174.9	20.13	168.8	19.08	159.8	17.58
		250.0	194.9	23.46	186.4	22.48	178.9	20.98	174.9	20.00	168.8	18.96	159.8	17.47
		500.0	194.9	22.48	186.4	21.50	178.9	20.00	174.9	19.48	168.8	18.50	159.8	17.00
		625.0	194.9	22.17	186.4	20.98	178.9	20.00	174.9	18.96	168.8	17.98	159.8	16.48
		750.0	194.9	22.01	186.4	20.72	178.9	20.00	174.9	18.70	168.8	17.72	159.8	16.22
	45	200.0	194.9	22.21	186.4	21.87	178.9	19.86	174.9	18.63	168.8	17.58	159.8	16.08
		250.0	194.9	21.96	186.4	21.50	178.9	19.48	174.9	18.50	168.8	17.47	159.8	15.97
		500.0	194.9	20.98	186.4	20.00	178.9	17.98	174.9	17.98	168.8	17.00	159.8	15.50
		625.0	194.9	20.98	186.4	19.48	178.9	18.50	174.9	17.00	168.8	15.97	159.8	14.47
		750.0	194.9	20.98	186.4	19.22	178.9	18.76	174.9	16.51	168.8	15.45	159.8	13.95
100	-5	200.0	65.8	31.80	65.4	29.96	65.1	27.51	64.5	26.35	63.9	25.17	62.7	22.90
		250.0	68.1	32.35	67.7	30.54	67.3	28.11	66.7	26.92	66.1	25.73	64.9	23.41
		500.0	77.1	34.52	76.6	32.81	76.2	30.49	75.4	29.19	74.8	27.95	73.6	25.42
		625.0	85.2	36.74	84.6	35.09	84.1	32.86	83.3	31.52	82.7	30.13	81.2	27.39
		750.0	89.2	37.86	88.6	36.23	88.1	34.06	87.3	32.69	86.7	31.22	85.1	28.38
	0	200.0	117.7	43.51	115.1	42.22	112.7	40.29	110.7	38.59	108.7	36.94	105.0	33.53
		250.0	118.4	43.61	115.8	42.32	113.4	40.41	111.4	38.70	109.4	37.05	105.6	33.64
		500.0	121.1	44.02	118.5	42.73	116.0	40.87	114.0	39.17	112.0	37.46	108.0	34.05
		625.0	123.0	44.02	120.4	42.73	117.8	40.87	115.7	39.17	113.7	37.46	109.7	34.05
		750.0	123.9	44.02	121.3	42.73	118.7	40.87	116.5	39.17	114.5	37.46	110.6	34.05
	5	200.0	173.7	46.76	167.9	45.62	163.6	43.85	160.3	41.99	152.7	40.20	145.7	36.56
		250.0	174.3	46.97	168.2	45.83	163.6	44.08	160.3	42.22	152.7	40.41	145.7	36.74
		500.0	176.8	47.80	169.4	46.66	163.8	44.96	160.3	43.09	152.7	41.23	145.7	37.46
		625.0	177.8	48.11	169.9	46.97	163.8	45.27	160.3	43.40	152.7	41.49	145.7	37.72
		750.0	178.4	48.26	170.1	47.13	163.8	45.42	160.3	43.56	152.7	41.62	145.7	37.85
	10	200.0	174.7	41.81	168.4	40.90	163.8	39.62	160.3	38.29	152.7	36.39	145.7	33.29
		250.0	175.1	42.01	168.7	41.03	163.8	39.74	160.3	38.34	152.7	36.43	145.7	33.33
		500.0	176.8	42.78	169.6	41.54	163.8	40.20	160.3	38.55	152.7	36.58	145.7	33.48
		625.0	178.0	42.63	170.4	41.54	163.8	40.10	160.3	38.44	152.7	36.48	145.7	33.33
		750.0	178.6	42.55	170.7	41.54	163.8	40.05	160.3	38.39	152.7	36.43	145.7	33.25
	15	200.0	175.6	36.87	169.2	36.25	163.8	35.45	160.3	34.60	152.7	32.57	145.7	30.10
		250.0	175.8	37.05	169.3	36.27	163.8	35.45	160.3	34.47	152.7	32.45	145.7	29.97
		500.0	176.8	37.77	169.7	36.38	163.8	35.45	160.3	33.95	152.7	31.99	145.7	29.45
		625.0	178.3	37.15	170.7	36.07	163.8	34.98	160.3	33.48	152.7	31.47	145.7	28.99
		750.0	179.0	36.84	171.1	35.91	163.8	34.75	160.3	33.25	152.7	31.21	145.7	28.75
	20	200.0	176.6	31.53	170.1	30.72	163.8	29.97	160.3	29.57	152.7	27.62	145.7	26.25
		250.0	177.2	31.68	170.2	30.75	163.8	29.97	160.3	29.45	152.7	27.49	145.7	25.99
		500.0	179.8	32.24	170.7	30.85	163.8	29.97	160.3	28.99	152.7	26.97	145.7	24.96
		625.0	180.9	31.68	172.2	30.59	163.8	29.45	160.3	28.47	152.7	26.46	145.7	24.49
		750.0	181.4	31.39	172.9	30.46	163.8	29.19	160.3	28.21	152.7	26.20	145.7	24.26

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(52HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	200.0	178.7	27.57	172.8	26.70	163.8	25.61	160.3	24.62	152.7	23.12	145.7	20.98
		250.0	179.3	27.59	172.8	26.56	163.8	25.47	160.3	24.49	152.7	22.99	145.7	20.98
		500.0	181.9	27.70	172.8	25.99	163.8	24.96	160.3	23.98	152.7	22.48	145.7	20.98
		625.0	182.8	27.08	172.8	25.78	163.8	24.49	160.3	23.46	152.7	22.48	145.7	20.46
		750.0	183.3	26.76	172.8	25.68	163.8	24.26	160.3	23.20	152.7	22.48	145.7	20.20
	30	200.0	182.8	25.08	172.8	23.12	163.8	21.55	160.3	21.11	152.7	19.48	145.7	18.63
		250.0	182.8	24.96	172.8	22.99	163.8	21.50	160.3	20.98	152.7	19.48	145.7	18.50
		500.0	182.8	24.49	172.8	22.48	163.8	21.29	160.3	20.46	152.7	19.48	145.7	17.98
		625.0	182.8	23.98	172.8	22.48	163.8	20.98	160.3	20.46	152.7	18.96	145.7	17.98
		750.0	182.8	23.72	172.8	22.48	163.8	20.82	160.3	20.46	152.7	18.70	145.7	17.98
	35	200.0	182.8	23.26	172.8	21.23	163.8	19.02	160.3	18.63	152.7	17.58	145.7	16.08
		250.0	182.8	22.99	172.8	20.98	163.8	18.96	160.3	18.50	152.7	17.47	145.7	15.97
		500.0	182.8	21.96	172.8	20.00	163.8	18.76	160.3	17.98	152.7	17.00	145.7	15.50
		625.0	182.8	21.96	172.8	20.00	163.8	18.50	160.3	17.98	152.7	17.00	145.7	15.50
		750.0	182.8	21.96	172.8	20.00	163.8	18.37	160.3	17.98	152.7	17.00	145.7	15.50
	40	200.0	182.8	21.76	172.8	19.73	163.8	17.05	160.3	16.61	152.7	15.63	145.7	14.59
		250.0	182.8	21.50	172.8	19.48	163.8	17.00	160.3	16.48	152.7	15.50	145.7	14.47
		500.0	182.8	20.46	172.8	18.50	163.8	16.79	160.3	15.97	152.7	14.99	145.7	14.00
		625.0	182.8	20.00	172.8	18.50	163.8	16.48	160.3	15.97	152.7	14.99	145.7	14.00
		750.0	182.8	19.76	172.8	18.50	163.8	16.33	160.3	15.97	152.7	14.99	145.7	14.00
	45	200.0	182.8	20.26	172.8	18.23	163.8	15.04	160.3	14.59	152.7	13.62	145.7	13.09
		250.0	182.8	20.00	172.8	17.98	163.8	14.99	160.3	14.47	152.7	13.49	145.7	12.97
		500.0	182.8	18.96	172.8	17.00	163.8	14.78	160.3	14.00	152.7	12.97	145.7	12.50
		625.0	182.8	17.98	172.8	17.00	163.8	14.47	160.3	14.00	152.7	12.97	145.7	12.50
		750.0	182.8	17.49	172.8	17.00	163.8	14.31	160.3	14.00	152.7	12.97	145.7	12.50
90	-5	200.0	62.1	29.51	60.2	26.88	58.5	23.61	58.0	22.50	57.6	21.68	56.6	19.46
		250.0	64.3	30.02	62.3	27.39	60.5	24.13	60.0	22.99	59.6	22.17	58.5	19.89
		500.0	72.8	32.04	70.5	29.40	68.4	26.20	68.0	24.96	67.5	24.08	66.1	21.60
		625.0	80.5	34.05	77.9	31.47	75.6	28.26	75.0	26.92	74.5	25.94	73.1	23.30
		750.0	84.3	35.07	81.5	32.51	79.2	29.31	78.5	27.91	78.0	26.88	76.7	24.16
	0	200.0	111.2	40.20	106.0	37.72	101.2	34.63	99.7	33.03	98.0	31.79	94.4	28.55
		250.0	111.8	40.30	106.7	37.82	101.8	34.72	100.3	33.12	98.6	31.88	94.9	28.63
		500.0	114.4	40.72	109.1	38.24	104.2	35.09	102.5	33.48	100.9	32.24	97.2	28.94
		625.0	116.1	40.72	110.8	38.24	105.9	35.09	104.1	33.48	102.5	32.24	98.7	28.94
		750.0	117.0	40.72	111.6	38.24	106.7	35.09	104.8	33.48	103.4	32.24	99.5	28.94
	5	200.0	157.1	43.16	152.0	40.73	147.2	37.69	144.1	35.94	137.7	34.59	131.2	31.05
		250.0	157.2	43.35	151.9	40.92	147.2	37.88	144.1	36.12	137.7	34.78	131.2	31.21
		500.0	157.9	44.13	151.5	41.70	147.2	38.60	144.1	36.84	137.7	35.50	131.2	31.83
		625.0	158.8	44.39	151.9	41.96	147.2	38.91	144.1	37.10	137.7	35.76	131.2	32.09
		750.0	159.2	44.52	152.1	42.09	147.2	39.07	144.1	37.23	137.7	35.89	131.2	32.22
	10	200.0	157.9	38.11	152.6	36.23	147.2	34.12	144.1	32.72	137.7	31.39	131.2	28.29
		250.0	157.9	38.13	152.4	36.27	147.2	34.16	144.1	32.76	137.7	31.37	131.2	28.32
		500.0	157.6	38.24	151.6	36.43	147.2	34.31	144.1	32.92	137.7	31.26	131.2	28.42
		625.0	158.6	38.13	152.1	36.33	147.2	34.21	144.1	32.81	137.7	31.37	131.2	28.52
		750.0	159.2	38.08	152.3	36.27	147.2	34.16	144.1	32.76	137.7	31.42	131.2	28.58
	15	200.0	158.7	32.99	153.1	31.81	147.2	30.62	144.1	29.57	137.7	28.20	131.2	25.61
		250.0	158.5	32.86	152.8	31.68	147.2	30.49	144.1	29.45	137.7	27.95	131.2	25.47
		500.0	157.4	32.35	151.8	31.16	147.2	29.97	144.1	28.99	137.7	26.97	131.2	24.96
		625.0	158.5	31.88	152.2	30.69	147.2	29.45	144.1	28.47	137.7	26.97	131.2	24.96
		750.0	159.0	31.65	152.5	30.46	147.2	29.19	144.1	28.21	137.7	26.97	131.2	24.96
	20	200.0	159.7	27.85	153.7	27.05	147.2	26.12	144.1	25.08	137.7	24.22	131.2	22.73
		250.0	159.5	27.85	153.4	26.97	147.2	25.99	144.1	24.96	137.7	23.98	131.2	22.48
		500.0	158.9	27.85	152.2	26.66	147.2	25.47	144.1	24.49	137.7	22.99	131.2	21.50
		625.0	159.4	27.39	152.7	26.46	147.2	25.47	144.1	24.49	137.7	22.99	131.2	21.50
		750.0	159.6	27.15	152.9	26.35	147.2	25.47	144.1	24.49	137.7	22.99	131.2	21.50
	25	200.0	162.3	24.34	155.7	23.05	147.2	22.08	144.1	20.98	137.7	20.13	131.2	18.63
		250.0	162.7	24.29	155.7	22.99	147.2	21.96	144.1	20.98	137.7	20.00	131.2	18.50
		500.0	164.3	24.08	155.7	22.79	147.2	21.50	144.1	20.98	137.7	19.48	131.2	17.98
		625.0	164.9	23.46	155.7	22.27	147.2	21.50	144.1	20.46	137.7	19.48	131.2	17.98
		750.0	165.2	23.15	155.7	22.01	147.2	21.50	144.1	20.20	137.7	19.48	131.2	17.98
	30	200.0	164.9	22.08	155.7	20.58	147.2	19.08	144.1	18.63	137.7	17.58	131.2	15.97
		250.0	164.9	21.96	155.7	20.46	147.2	18.96	144.1	18.50	137.7	17.47	131.2	15.97
		500.0	164.9	21.50	155.7	20.00	147.2	18.50	144.1	17.98	137.7	17.00	131.2	15.97
		625.0	164.9	20.98	155.7	19.48	147.2	18.50	144.1	17.98	137.7	17.00	131.2	15.50
		750.0	164.9	20.72	155.7	19.22	147.2	18.50	144.1	17.98	137.7	17.00	131.2	15.27

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(52HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	200.0	164.9	20.13	155.7	18.63	147.2	17.13	144.1	16.61	137.7	15.63	131.2	14.59
		250.0	164.9	20.00	155.7	18.50	147.2	17.00	144.1	16.48	137.7	15.50	131.2	14.47
		500.0	164.9	19.48	155.7	17.98	147.2	16.48	144.1	15.97	137.7	14.99	131.2	14.00
		625.0	164.9	18.96	155.7	17.47	147.2	15.97	144.1	15.50	137.7	14.99	131.2	14.00
		750.0	164.9	18.70	155.7	17.20	147.2	15.71	144.1	15.27	137.7	14.99	131.2	14.00
	40	200.0	164.9	18.76	155.7	17.13	147.2	15.12	144.1	14.59	137.7	14.13	131.2	13.09
		250.0	164.9	18.50	155.7	17.00	147.2	14.99	144.1	14.47	137.7	14.00	131.2	12.97
		500.0	164.9	17.47	155.7	16.48	147.2	14.47	144.1	14.00	137.7	13.49	131.2	12.50
		625.0	164.9	17.47	155.7	16.48	147.2	14.47	144.1	14.00	137.7	13.49	131.2	12.50
		750.0	164.9	17.47	155.7	16.48	147.2	14.47	144.1	14.00	137.7	13.49	131.2	12.50
	45	200.0	164.9	17.38	155.7	15.63	147.2	13.09	144.1	12.64	137.7	12.64	131.2	11.59
		250.0	164.9	17.00	155.7	15.50	147.2	12.97	144.1	12.50	137.7	12.50	131.2	11.47
		500.0	164.9	15.50	155.7	14.99	147.2	12.50	144.1	11.99	137.7	11.99	131.2	11.01
		625.0	164.9	15.97	155.7	15.50	147.2	12.97	144.1	12.50	137.7	11.99	131.2	11.01
		750.0	164.9	16.20	155.7	15.76	147.2	13.20	144.1	12.77	137.7	11.99	131.2	11.01
80	-5	200.0	58.8	21.03	55.1	20.23	52.2	19.37	51.6	18.71	51.3	17.85	50.2	16.44
		250.0	60.8	21.50	57.0	20.67	53.9	19.79	53.3	19.12	53.0	18.24	52.0	16.79
		500.0	68.7	23.36	64.5	22.43	60.9	21.44	60.3	20.72	60.0	19.79	58.8	18.19
		625.0	76.0	25.16	71.2	24.18	67.3	23.15	66.6	22.37	66.3	21.34	64.9	19.64
		750.0	79.7	26.08	74.5	25.07	70.6	24.01	69.7	23.21	69.4	22.12	68.0	20.36
	0	200.0	104.9	30.86	96.8	29.62	90.1	28.39	88.4	27.41	87.2	26.12	83.9	24.07
		250.0	105.6	30.95	97.4	29.71	90.7	28.47	89.0	27.49	87.8	26.20	84.4	24.13
		500.0	108.2	31.31	99.7	30.07	92.8	28.78	91.1	27.80	89.9	26.51	86.4	24.39
		625.0	109.7	31.31	101.2	30.07	94.3	28.78	92.5	27.80	91.3	26.51	87.8	24.39
		750.0	110.5	31.31	101.9	30.07	95.1	28.78	93.2	27.80	92.0	26.51	88.5	24.39
	5	200.0	145.2	33.56	137.0	32.29	131.0	30.83	128.1	29.81	122.7	28.43	116.6	26.16
		250.0	145.5	33.74	137.3	32.45	131.0	31.00	128.1	29.97	122.7	28.57	116.6	26.30
		500.0	146.7	34.47	138.4	33.07	131.2	31.68	128.1	30.59	122.7	29.14	116.6	26.87
		625.0	146.7	34.67	138.2	33.33	131.2	31.88	128.1	30.80	122.7	29.35	116.6	27.02
		750.0	146.7	34.78	138.1	33.46	131.2	31.99	128.1	30.90	122.7	29.45	116.6	27.10
	10	200.0	146.0	30.89	137.6	29.49	131.0	27.99	128.1	27.22	122.7	25.77	116.6	23.86
		250.0	146.1	30.85	137.7	29.45	131.0	28.01	128.1	27.23	122.7	25.78	116.6	23.87
		500.0	146.7	30.69	138.4	29.30	131.2	28.06	128.1	27.28	122.7	25.84	116.6	23.92
		625.0	146.7	30.59	138.2	29.40	131.2	28.16	128.1	27.13	122.7	25.68	116.6	23.77
		750.0	146.7	30.54	138.1	29.45	131.2	28.21	128.1	27.05	122.7	25.60	116.6	23.69
	15	200.0	146.7	28.20	138.2	26.70	131.2	25.08	128.1	24.62	122.7	23.12	116.6	21.63
		250.0	146.7	27.95	138.2	26.46	131.2	24.96	128.1	24.49	122.7	22.99	116.6	21.50
		500.0	146.7	26.97	138.2	25.47	131.2	24.49	128.1	23.98	122.7	22.48	116.6	20.98
		625.0	146.7	26.46	138.2	25.47	131.2	24.49	128.1	23.46	122.7	21.96	116.6	20.46
		750.0	146.7	26.20	138.2	25.47	131.2	24.49	128.1	23.20	122.7	21.70	116.6	20.20
	20	200.0	146.7	23.58	138.2	22.61	131.2	21.50	128.1	21.11	122.7	20.13	116.6	18.63
		250.0	146.7	23.46	138.2	22.48	131.2	21.50	128.1	20.98	122.7	20.00	116.6	18.50
		500.0	146.7	22.99	138.2	21.96	131.2	21.50	128.1	20.46	122.7	19.48	116.6	17.98
		625.0	146.7	22.48	138.2	21.50	131.2	20.98	128.1	20.46	122.7	18.96	116.6	17.98
		750.0	146.7	22.22	138.2	21.26	131.2	20.72	128.1	20.46	122.7	18.70	116.6	17.98
	25	200.0	146.7	21.11	138.2	19.61	131.2	18.50	128.1	18.11	122.7	17.13	116.6	16.08
		250.0	146.7	20.98	138.2	19.48	131.2	18.50	128.1	17.98	122.7	17.00	116.6	15.97
		500.0	146.7	20.46	138.2	18.96	131.2	18.50	128.1	17.47	122.7	16.48	116.6	15.50
		625.0	146.7	20.00	138.2	18.96	131.2	17.98	128.1	17.47	122.7	16.48	116.6	15.50
		750.0	146.7	19.76	138.2	18.96	131.2	17.72	128.1	17.47	122.7	16.48	116.6	15.50
	30	200.0	146.7	18.63	138.2	17.58	131.2	16.61	128.1	16.08	122.7	15.12	116.6	14.13
		250.0	146.7	18.50	138.2	17.47	131.2	16.48	128.1	15.97	122.7	14.99	116.6	14.00
		500.0	146.7	17.98	138.2	17.00	131.2	15.97	128.1	15.50	122.7	14.47	116.6	13.49
		625.0	146.7	17.98	138.2	17.00	131.2	15.97	128.1	15.50	122.7	14.47	116.6	13.49
		750.0	146.7	17.98	138.2	17.00	131.2	15.97	128.1	15.50	122.7	14.47	116.6	13.49
	35	200.0	146.7	17.13	138.2	16.08	131.2	14.59	128.1	14.00	122.7	13.62	116.6	12.50
		250.0	146.7	17.00	138.2	15.97	131.2	14.47	128.1	14.00	122.7	13.49	116.6	12.50
		500.0	146.7	16.48	138.2	15.50	131.2	14.00	128.1	14.00	122.7	12.97	116.6	12.50
		625.0	146.7	16.48	138.2	14.99	131.2	14.00	128.1	13.49	122.7	12.97	116.6	11.99
		750.0	146.7	16.48	138.2	14.72	131.2	14.00	128.1	13.23	122.7	12.97	116.6	11.73
	40	200.0	146.7	16.21	138.2	14.59	131.2	12.97	128.1	13.09	122.7	11.99	116.6	11.59
		250.0	146.7	15.97	138.2	14.47	131.2	12.97	128.1	12.97	122.7	11.99	116.6	11.47
		500.0	146.7	14.99	138.2	14.00	131.2	12.97	128.1	12.50	122.7	11.99	116.6	11.01
		625.0	146.7	14.99	138.2	14.00	131.2	12.50	128.1	12.50	122.7	11.99	116.6	11.01
		750.0	146.7	14.99	138.2	14.00	131.2	12.27	128.1	12.50	122.7	11.99	116.6	11.01

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(52HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	200.0	146.7	15.36	138.2	13.09	131.2	11.34	128.1	12.24	122.7	10.36	116.6	10.74
		250.0	146.7	14.99	138.2	12.97	131.2	11.47	128.1	11.99	122.7	10.49	116.6	10.49
		500.0	146.7	13.49	138.2	12.50	131.2	11.99	128.1	11.01	122.7	11.01	116.6	9.51
		625.0	146.7	13.49	138.2	12.97	131.2	11.01	128.1	11.47	122.7	11.01	116.6	9.97
		750.0	146.7	13.49	138.2	13.20	131.2	10.51	128.1	11.71	122.7	11.01	116.6	10.21
70	-5	200.0	51.3	18.06	48.2	17.19	45.5	16.63	45.1	15.68	44.8	15.12	44.1	13.75
		250.0	53.0	18.45	49.8	17.57	47.1	17.00	46.6	16.02	46.3	15.45	45.6	14.05
		500.0	60.0	20.00	56.4	19.07	53.2	18.45	52.7	17.36	52.4	16.74	51.5	15.24
		625.0	66.4	21.60	62.3	20.57	58.8	19.89	58.4	18.71	57.9	18.09	56.8	16.43
		750.0	69.7	22.41	65.3	21.32	61.7	20.62	61.2	19.38	60.7	18.76	59.5	17.03
	0	200.0	91.8	26.43	84.8	25.20	78.8	24.36	77.4	22.93	76.2	22.15	73.5	20.15
		250.0	92.3	26.51	85.3	25.27	79.2	24.44	77.9	22.99	76.6	22.22	73.9	20.20
		500.0	94.5	26.82	87.3	25.53	81.1	24.75	79.7	23.25	78.5	22.48	75.6	20.41
		625.0	95.8	26.82	88.7	25.53	82.3	24.75	80.9	23.25	79.7	22.48	76.8	20.41
		750.0	96.5	26.82	89.4	25.53	82.9	24.75	81.5	23.25	80.3	22.48	77.4	20.41
	5	200.0	126.8	28.79	120.1	27.40	114.4	26.52	112.0	25.00	107.0	24.10	101.9	21.89
		250.0	127.1	28.94	120.4	27.54	114.4	26.66	112.0	25.11	107.0	24.23	101.9	22.01
		500.0	128.1	29.50	121.3	28.11	114.6	27.23	112.0	25.58	107.0	24.75	101.9	22.48
		625.0	128.1	29.71	121.1	28.32	114.6	27.44	112.0	25.78	107.0	24.91	101.9	22.63
		750.0	128.1	29.82	121.1	28.42	114.6	27.54	112.0	25.89	107.0	24.98	101.9	22.71
	10	200.0	127.4	26.51	120.6	25.06	114.6	24.13	112.0	22.79	107.0	21.86	101.9	20.00
		250.0	127.5	26.46	120.7	25.01	114.6	24.08	112.0	22.79	107.0	21.86	101.9	20.00
		500.0	128.1	26.25	121.1	24.80	114.6	23.87	112.0	22.79	107.0	21.86	101.9	20.00
		625.0	128.1	26.35	121.1	24.91	114.6	23.98	112.0	22.89	107.0	21.70	101.9	20.05
		750.0	128.1	26.41	121.1	24.96	114.6	24.03	112.0	22.94	107.0	21.62	101.9	20.07
	15	200.0	128.1	24.22	121.1	22.73	114.6	21.76	112.0	20.58	107.0	19.61	101.9	18.11
		250.0	128.1	23.98	121.1	22.48	114.6	21.50	112.0	20.46	107.0	19.48	101.9	17.98
		500.0	128.1	22.99	121.1	21.50	114.6	20.46	112.0	20.00	107.0	18.96	101.9	17.47
		625.0	128.1	22.99	121.1	21.50	114.6	20.46	112.0	20.00	107.0	18.50	101.9	17.47
		750.0	128.1	22.99	121.1	21.50	114.6	20.46	112.0	20.00	107.0	18.26	101.9	17.47
	20	200.0	128.1	20.13	121.1	19.08	114.6	18.63	112.0	18.11	107.0	17.13	101.9	16.08
		250.0	128.1	20.00	121.1	18.96	114.6	18.50	112.0	17.98	107.0	17.00	101.9	15.97
		500.0	128.1	19.48	121.1	18.50	114.6	17.98	112.0	17.47	107.0	16.48	101.9	15.50
		625.0	128.1	19.48	121.1	18.50	114.6	17.98	112.0	17.00	107.0	16.48	101.9	14.99
		750.0	128.1	19.48	121.1	18.50	114.6	17.98	112.0	16.77	107.0	16.48	101.9	14.72
	25	200.0	128.1	18.11	121.1	17.13	114.6	16.08	112.0	15.63	107.0	14.47	101.9	13.49
		250.0	128.1	17.98	121.1	17.00	114.6	15.97	112.0	15.50	107.0	14.47	101.9	13.49
		500.0	128.1	17.47	121.1	16.48	114.6	15.50	112.0	14.99	107.0	14.47	101.9	13.49
		625.0	128.1	17.00	121.1	15.97	114.6	15.50	112.0	14.99	107.0	14.00	101.9	13.49
		750.0	128.1	16.77	121.1	15.71	114.6	15.50	112.0	14.99	107.0	13.77	101.9	13.49
	30	200.0	128.1	16.08	121.1	15.12	114.6	14.13	112.0	13.49	107.0	13.09	101.9	11.99
		250.0	128.1	15.97	121.1	14.99	114.6	14.00	112.0	13.49	107.0	12.97	101.9	11.99
		500.0	128.1	15.50	121.1	14.47	114.6	13.49	112.0	13.49	107.0	12.50	101.9	11.99
		625.0	128.1	15.50	121.1	14.47	114.6	13.49	112.0	12.97	107.0	12.50	101.9	11.99
		750.0	128.1	15.50	121.1	14.47	114.6	13.49	112.0	12.71	107.0	12.50	101.9	11.99
	35	200.0	128.1	14.59	121.1	13.62	114.6	12.50	112.0	12.64	107.0	11.47	101.9	11.14
		250.0	128.1	14.47	121.1	13.49	114.6	12.50	112.0	12.50	107.0	11.47	101.9	11.01
		500.0	128.1	14.00	121.1	12.97	114.6	12.50	112.0	11.99	107.0	11.47	101.9	10.49
		625.0	128.1	14.00	121.1	12.97	114.6	11.99	112.0	11.99	107.0	11.47	101.9	10.49
		750.0	128.1	14.00	121.1	12.97	114.6	11.73	112.0	11.99	107.0	11.47	101.9	10.49
	40	200.0	128.1	13.62	121.1	12.64	114.6	11.59	112.0	11.01	107.0	10.49	101.9	10.09
		250.0	128.1	13.49	121.1	12.50	114.6	11.47	112.0	11.01	107.0	10.49	101.9	9.97
		500.0	128.1	12.97	121.1	11.99	114.6	11.01	112.0	11.01	107.0	10.49	101.9	9.51
		625.0	128.1	12.97	121.1	11.99	114.6	11.01	112.0	10.49	107.0	9.97	101.9	9.51
		750.0	128.1	12.97	121.1	11.99	114.6	11.01	112.0	10.23	107.0	9.71	101.9	9.51
	45	200.0	128.1	12.64	121.1	11.59	114.6	10.74	112.0	9.39	107.0	9.51	101.9	9.12
		250.0	128.1	12.50	121.1	11.47	114.6	10.49	112.0	9.51	107.0	9.51	101.9	8.99
		500.0	128.1	11.99	121.1	11.01	114.6	9.51	112.0	9.97	107.0	9.51	101.9	8.47
		625.0	128.1	11.99	121.1	11.01	114.6	9.97	112.0	8.99	107.0	8.47	101.9	8.47
		750.0	128.1	11.99	121.1	11.01	114.6	10.21	112.0	8.50	107.0	7.95	101.9	8.47
60	-5	200.0	44.0	14.66	41.2	14.10	39.0	13.55	38.6	12.59	38.4	12.39	37.7	11.07
		250.0	45.6	14.99	42.7	14.42	40.4	13.85	39.9	12.87	39.8	12.66	39.0	11.32
		500.0	51.7	16.28	48.3	15.66	45.7	15.04	45.3	13.95	45.1	13.74	44.2	12.30
		625.0	57.0	17.52	53.3	16.90	50.6	16.23	50.0	15.09	49.8	14.83	48.8	13.23
		750.0	59.7	18.14	55.9	17.52	53.0	16.82	52.4	15.66	52.2	15.38	51.1	13.70

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(8HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	200.0	78.8	21.48	72.6	20.72	67.7	19.83	66.4	18.45	65.4	18.19	63.0	16.24
		250.0	79.2	21.55	73.0	20.77	68.1	19.89	66.7	18.50	65.8	18.24	63.4	16.28
		500.0	81.1	21.81	74.7	20.98	69.8	20.15	68.3	18.71	67.3	18.45	64.8	16.43
		625.0	82.3	21.81	75.9	20.98	70.9	20.15	69.3	18.71	68.4	18.45	65.8	16.43
		750.0	82.9	21.81	76.5	20.98	71.4	20.15	69.9	18.71	69.0	18.45	66.4	16.43
	5	200.0	108.9	23.39	102.7	22.52	98.4	21.58	96.0	20.10	91.9	19.79	87.5	17.63
		250.0	109.1	23.51	102.9	22.63	98.4	21.70	96.0	20.20	91.9	19.89	87.5	17.72
		500.0	110.0	23.98	103.6	23.10	98.4	22.17	96.0	20.62	91.9	20.31	87.5	18.09
		625.0	110.0	24.18	103.5	23.25	98.4	22.32	96.0	20.77	91.9	20.41	87.5	18.24
		750.0	110.0	24.29	103.4	23.33	98.4	22.40	96.0	20.85	91.9	20.46	87.5	18.32
	10	200.0	109.4	21.50	103.0	20.57	98.4	19.58	96.0	18.29	91.9	17.94	87.5	16.08
		250.0	109.6	21.50	103.2	20.57	98.4	19.58	96.0	18.34	91.9	17.93	87.5	16.12
		500.0	110.0	21.50	103.6	20.57	98.4	19.58	96.0	18.55	91.9	17.88	87.5	16.28
		625.0	110.0	21.55	103.5	20.36	98.4	19.38	96.0	18.34	91.9	17.72	87.5	16.12
		750.0	110.0	21.57	103.4	20.25	98.4	19.27	96.0	18.24	91.9	17.65	87.5	16.04
	15	200.0	110.0	19.61	103.5	18.63	98.4	17.58	96.0	16.48	91.9	16.08	87.5	14.47
		250.0	110.0	19.48	103.5	18.50	98.4	17.47	96.0	16.48	91.9	15.97	87.5	14.47
		500.0	110.0	18.96	103.5	17.98	98.4	17.00	96.0	16.48	91.9	15.50	87.5	14.47
		625.0	110.0	18.96	103.5	17.47	98.4	16.48	96.0	15.97	91.9	14.99	87.5	14.00
		750.0	110.0	18.96	103.5	17.20	98.4	16.22	96.0	15.71	91.9	14.72	87.5	13.77
	20	200.0	110.0	17.13	103.5	16.08	98.4	15.12	96.0	14.59	91.9	14.13	87.5	13.09
		250.0	110.0	17.00	103.5	15.97	98.4	14.99	96.0	14.47	91.9	14.00	87.5	12.97
		500.0	110.0	16.48	103.5	15.50	98.4	14.47	96.0	14.00	91.9	13.49	87.5	12.50
		625.0	110.0	16.48	103.5	15.50	98.4	14.47	96.0	14.00	91.9	13.49	87.5	12.50
		750.0	110.0	16.48	103.5	15.50	98.4	14.47	96.0	14.00	91.9	13.49	87.5	12.50
	25	200.0	110.0	15.12	103.5	14.13	98.4	12.97	96.0	13.09	91.9	11.99	87.5	11.59
		250.0	110.0	14.99	103.5	14.00	98.4	12.97	96.0	12.97	91.9	11.99	87.5	11.47
		500.0	110.0	14.47	103.5	13.49	98.4	12.97	96.0	12.50	91.9	11.99	87.5	11.01
		625.0	110.0	14.47	103.5	13.49	98.4	12.50	96.0	12.50	91.9	11.99	87.5	11.01
		750.0	110.0	14.47	103.5	13.49	98.4	12.27	96.0	12.50	91.9	11.99	87.5	11.01
	30	200.0	110.0	13.62	103.5	12.64	98.4	12.12	96.0	11.59	91.9	11.14	87.5	10.62
		250.0	110.0	13.49	103.5	12.50	98.4	11.99	96.0	11.47	91.9	11.01	87.5	10.49
		500.0	110.0	12.97	103.5	11.99	98.4	11.47	96.0	11.01	91.9	10.49	87.5	9.97
		625.0	110.0	12.97	103.5	11.99	98.4	11.47	96.0	11.01	91.9	10.49	87.5	9.97
		750.0	110.0	12.97	103.5	11.99	98.4	11.47	96.0	11.01	91.9	10.49	87.5	9.97
	35	200.0	110.0	11.99	103.5	11.59	98.4	10.49	96.0	10.62	91.9	10.09	87.5	9.64
		250.0	110.0	11.99	103.5	11.47	98.4	10.49	96.0	10.49	91.9	9.97	87.5	9.51
		500.0	110.0	11.99	103.5	11.01	98.4	10.49	96.0	9.97	91.9	9.51	87.5	8.99
		625.0	110.0	11.99	103.5	11.01	98.4	9.97	96.0	9.97	91.9	9.51	87.5	8.99
		750.0	110.0	11.99	103.5	11.01	98.4	9.71	96.0	9.97	91.9	9.51	87.5	8.99
	40	200.0	110.0	11.01	103.5	10.62	98.4	9.51	96.0	9.64	91.9	9.12	87.5	8.47
		250.0	110.0	11.01	103.5	10.49	98.4	9.51	96.0	9.51	91.9	8.99	87.5	8.47
		500.0	110.0	11.01	103.5	9.97	98.4	9.51	96.0	8.99	91.9	8.47	87.5	8.47
		625.0	110.0	11.01	103.5	9.97	98.4	9.51	96.0	8.99	91.9	8.47	87.5	8.47
		750.0	110.0	11.01	103.5	9.97	98.4	9.51	96.0	8.99	91.9	8.47	87.5	8.47
	45	200.0	110.0	9.97	103.5	9.64	98.4	8.47	96.0	8.59	91.9	8.14	87.5	7.36
		250.0	110.0	9.97	103.5	9.51	98.4	8.47	96.0	8.47	91.9	8.01	87.5	7.49
		500.0	110.0	9.97	103.5	8.99	98.4	8.47	96.0	8.01	91.9	7.49	87.5	8.01
		625.0	110.0	9.97	103.5	8.99	98.4	8.99	96.0	8.01	91.9	7.49	87.5	8.01
		750.0	110.0	9.97	103.5	8.99	98.4	9.25	96.0	8.01	91.9	7.49	87.5	8.01
50	-5	200.0	36.7	11.69	34.5	11.07	32.6	10.47	32.1	9.91	31.9	9.30	31.4	8.81
		250.0	37.9	11.94	35.7	11.32	33.7	10.70	33.2	10.13	33.1	9.51	32.5	8.99
		500.0	42.8	12.92	40.2	12.30	38.1	11.57	37.6	11.01	37.5	10.33	36.7	9.71
		625.0	47.4	13.95	44.5	13.23	42.1	12.50	41.6	11.88	41.3	11.11	40.7	10.49
		750.0	49.7	14.47	46.6	13.70	44.1	12.97	43.6	12.33	43.2	11.50	42.7	10.88
	0	200.0	65.4	17.12	60.6	16.24	56.3	15.29	55.1	14.52	54.4	13.65	52.4	12.88
		250.0	65.8	17.16	60.9	16.28	56.7	15.35	55.5	14.57	54.7	13.69	52.7	12.92
		500.0	67.3	17.31	62.3	16.43	58.1	15.55	56.8	14.78	56.1	13.85	53.9	13.07
		625.0	68.4	17.31	63.2	16.43	58.8	15.55	57.7	14.78	56.8	13.85	54.9	13.07
		750.0	69.0	17.31	63.7	16.43	59.2	15.55	58.2	14.78	57.2	13.85	55.3	13.07
	5	200.0	90.5	18.61	85.8	17.63	81.8	16.65	79.8	15.84	76.3	14.87	72.8	13.98
		250.0	90.7	18.71	85.9	17.72	81.8	16.74	79.8	15.92	76.3	14.93	72.8	14.05
		500.0	91.4	19.07	86.5	18.09	82.0	17.10	79.8	16.23	76.3	15.19	72.8	14.36
		625.0	91.4	19.22	86.4	18.24	82.0	17.21	79.8	16.33	76.3	15.35	72.8	14.47
		750.0	91.4	19.30	86.3	18.32	82.0	17.26	79.8	16.38	76.3	15.42	72.8	14.52

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(52HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	200.0	91.0	17.13	86.0	16.13	81.8	15.17	79.8	14.49	76.3	13.40	72.8	12.79
		250.0	91.1	17.10	86.1	16.12	81.8	15.14	79.8	14.47	76.3	13.43	72.8	12.76
		500.0	91.4	17.00	86.5	16.07	82.0	15.04	79.8	14.36	76.3	13.59	72.8	12.66
		625.0	91.4	17.10	86.4	16.12	82.0	15.09	79.8	14.42	76.3	13.38	72.8	12.71
		750.0	91.4	17.16	86.3	16.15	82.0	15.11	79.8	14.44	76.3	13.28	72.8	12.74
	15	200.0	91.4	15.63	86.4	14.59	82.0	13.62	79.8	13.09	76.3	11.99	72.8	11.59
		250.0	91.4	15.50	86.4	14.47	82.0	13.49	79.8	12.97	76.3	11.99	72.8	11.47
		500.0	91.4	14.99	86.4	14.00	82.0	12.97	79.8	12.50	76.3	11.99	72.8	11.01
		625.0	91.4	14.99	86.4	14.00	82.0	12.97	79.8	12.50	76.3	11.47	72.8	11.01
		750.0	91.4	14.99	86.4	14.00	82.0	12.97	79.8	12.50	76.3	11.21	72.8	11.01
	20	200.0	91.4	13.62	86.4	12.64	82.0	12.12	79.8	11.59	76.3	11.14	72.8	9.97
		250.0	91.4	13.49	86.4	12.50	82.0	11.99	79.8	11.47	76.3	11.01	72.8	9.97
		500.0	91.4	12.97	86.4	11.99	82.0	11.47	79.8	11.01	76.3	10.49	72.8	9.97
		625.0	91.4	12.97	86.4	11.99	82.0	11.47	79.8	11.01	76.3	10.49	72.8	9.97
		750.0	91.4	12.97	86.4	11.99	82.0	11.47	79.8	11.01	76.3	10.49	72.8	9.97
	25	200.0	91.4	12.12	86.4	11.01	82.0	10.62	79.8	9.97	76.3	9.51	72.8	8.99
		250.0	91.4	11.99	86.4	11.01	82.0	10.49	79.8	9.97	76.3	9.51	72.8	8.99
		500.0	91.4	11.47	86.4	11.01	82.0	9.97	79.8	9.97	76.3	9.51	72.8	8.99
		625.0	91.4	11.47	86.4	11.01	82.0	9.97	79.8	9.97	76.3	9.51	72.8	8.99
		750.0	91.4	11.47	86.4	11.01	82.0	9.97	79.8	9.97	76.3	9.51	72.8	8.99
	30	200.0	91.4	11.14	86.4	10.09	82.0	9.64	79.8	8.99	76.3	9.12	72.8	8.59
		250.0	91.4	11.01	86.4	9.97	82.0	9.51	79.8	8.99	76.3	8.99	72.8	8.47
		500.0	91.4	10.49	86.4	9.51	82.0	8.99	79.8	8.99	76.3	8.47	72.8	8.01
		625.0	91.4	10.49	86.4	9.51	82.0	8.99	79.8	8.99	76.3	8.47	72.8	8.01
		750.0	91.4	10.49	86.4	9.51	82.0	8.99	79.8	8.99	76.3	8.47	72.8	8.01
	35	200.0	91.4	10.09	86.4	8.99	82.0	8.47	79.8	8.59	76.3	8.01	72.8	7.49
		250.0	91.4	9.97	86.4	8.99	82.0	8.47	79.8	8.47	76.3	8.01	72.8	7.49
		500.0	91.4	9.51	86.4	8.99	82.0	8.47	79.8	8.01	76.3	8.01	72.8	7.49
		625.0	91.4	9.51	86.4	8.99	82.0	8.47	79.8	8.01	76.3	8.01	72.8	7.49
		750.0	91.4	9.51	86.4	8.99	82.0	8.47	79.8	8.01	76.3	8.01	72.8	7.49
	40	200.0	91.4	9.12	86.4	8.59	82.0	8.14	79.8	7.49	76.3	7.62	72.8	6.98
		250.0	91.4	8.99	86.4	8.47	82.0	8.01	79.8	7.49	76.3	7.49	72.8	6.98
		500.0	91.4	8.47	86.4	8.01	82.0	7.49	79.8	7.49	76.3	6.98	72.8	6.98
		625.0	91.4	8.47	86.4	8.01	82.0	7.49	79.8	7.49	76.3	6.98	72.8	6.98
		750.0	91.4	8.47	86.4	8.01	82.0	7.49	79.8	7.49	76.3	6.98	72.8	6.98
	45	200.0	91.4	8.14	86.4	8.27	82.0	7.74	79.8	6.39	76.3	7.22	72.8	6.51
		250.0	91.4	8.01	86.4	8.01	82.0	7.49	79.8	6.51	76.3	6.98	72.8	6.51
		500.0	91.4	7.49	86.4	6.98	82.0	6.51	79.8	6.98	76.3	5.99	72.8	6.51
		625.0	91.4	7.49	86.4	6.98	82.0	6.51	79.8	6.98	76.3	5.99	72.8	6.51
		750.0	91.4	7.49	86.4	6.98	82.0	6.51	79.8	6.98	76.3	5.99	72.8	6.51

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(54HP)

ARWN540LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	207.6	80.5	33.00	79.9	31.07	79.4	28.92	78.3	28.07	79.2	27.33	77.1	24.51
		259.5	83.2	33.57	82.6	31.67	82.1	29.55	81.0	28.68	82.0	27.92	79.7	25.05
		519.0	94.1	35.86	93.4	34.06	92.9	32.05	91.6	31.13	92.7	30.26	90.4	27.16
		648.8	104.1	38.14	103.2	36.40	102.5	34.55	101.3	33.63	102.5	32.65	99.8	29.28
		778.5	109.1	39.29	108.1	37.58	107.4	35.81	106.1	34.89	107.5	33.86	104.6	30.35
	0	207.6	143.7	45.13	140.5	43.79	137.5	42.36	134.5	41.17	135.0	40.04	128.8	35.86
		259.5	144.6	45.25	141.3	43.90	138.3	42.48	135.3	41.29	135.8	40.15	129.6	35.96
		519.0	148.1	45.74	144.5	44.33	141.5	42.97	138.5	41.78	138.9	40.58	132.8	36.40
		648.8	150.3	45.74	146.7	44.33	143.7	42.97	140.5	41.78	141.0	40.58	134.7	36.40
		778.5	151.4	45.74	147.8	44.33	144.8	42.97	141.5	41.78	142.0	40.58	135.6	36.40
	5	207.6	207.0	48.51	203.9	47.32	199.6	46.11	194.6	44.80	189.4	43.57	179.0	39.02
		259.5	207.8	48.73	204.3	47.54	199.7	46.34	194.6	45.04	189.4	43.79	179.0	39.22
		519.0	210.6	49.60	205.7	48.41	199.8	47.27	194.6	45.96	189.4	44.66	179.0	40.04
		648.8	211.9	49.93	206.3	48.73	199.8	47.59	194.6	46.29	189.4	44.98	179.0	40.31
		778.5	212.5	50.09	206.7	48.90	199.8	47.76	194.6	46.45	189.4	45.15	179.0	40.45
	10	207.6	207.3	44.14	204.0	42.66	199.0	41.86	193.8	40.92	188.7	39.52	178.2	35.67
		259.5	208.6	44.06	204.9	42.70	199.8	41.94	194.6	40.91	189.4	39.50	179.0	35.64
		519.0	213.5	43.73	208.7	42.86	203.0	42.27	197.8	40.85	192.3	39.39	181.8	35.53
		648.8	214.6	44.33	210.1	43.46	204.3	42.43	198.7	41.02	193.5	40.04	182.9	37.21
		778.5	215.1	44.63	210.9	43.76	204.9	42.51	199.2	41.10	194.2	40.37	183.5	38.06
	15	207.6	207.6	39.79	204.0	38.09	198.2	37.68	193.0	37.05	188.0	35.48	177.5	32.33
		259.5	209.3	39.39	205.5	37.92	199.8	37.59	194.6	36.78	189.4	35.20	179.0	32.05
		519.0	216.1	37.81	211.7	37.27	206.2	37.27	201.0	35.69	195.1	34.12	184.7	30.97
		648.8	217.3	38.74	213.8	38.14	208.7	37.27	203.0	35.69	197.8	35.10	186.9	34.12
		778.5	217.8	39.20	214.8	38.58	210.0	37.27	204.0	35.69	199.1	35.59	188.0	35.71
	20	207.6	215.5	36.50	211.6	34.80	206.0	34.04	200.3	32.95	194.5	32.21	182.9	31.23
		259.5	217.3	36.24	213.3	34.77	207.6	34.01	201.9	33.09	196.2	32.43	184.7	30.97
		519.0	224.1	35.20	220.1	34.66	213.9	33.90	208.2	33.63	203.0	33.30	191.5	29.93
		648.8	225.0	35.20	221.7	34.66	216.5	34.12	210.3	33.63	204.6	33.30	193.0	31.84
		778.5	225.5	35.20	222.5	34.66	217.7	34.23	211.3	33.63	205.4	33.30	193.8	32.79
	25	207.6	227.5	34.80	221.7	33.79	216.5	33.22	212.3	32.67	207.6	32.19	195.7	30.07
		259.5	227.5	34.66	221.7	33.74	216.5	33.09	212.3	32.54	207.6	32.05	195.7	29.93
		519.0	227.5	34.12	221.7	33.52	216.5	32.54	212.3	32.05	207.6	31.51	195.7	29.39
		648.8	227.5	33.63	221.7	32.65	216.5	32.05	212.3	31.51	207.6	30.97	195.7	28.90
		778.5	227.5	33.38	221.7	32.21	216.5	31.81	212.3	31.24	207.6	30.69	195.7	28.66
	30	207.6	227.5	33.90	221.7	32.22	216.5	31.92	212.3	31.09	207.6	30.75	195.7	28.62
		259.5	227.5	33.63	221.7	32.16	216.5	31.73	212.3	30.97	207.6	30.48	195.7	28.36
		519.0	227.5	32.54	221.7	31.94	216.5	30.97	212.3	30.48	207.6	29.39	195.7	27.33
		648.8	227.5	32.05	221.7	31.08	216.5	30.48	212.3	29.93	207.6	29.39	195.7	27.33
		778.5	227.5	31.81	221.7	30.64	216.5	30.23	212.3	29.66	207.6	29.39	195.7	27.33
	35	207.6	227.5	32.33	221.7	31.25	216.5	30.62	212.3	29.51	207.6	28.50	195.7	26.50
		259.5	227.5	32.05	221.7	31.08	216.5	30.48	212.3	29.39	207.6	28.36	195.7	26.24
		519.0	227.5	30.97	221.7	30.37	216.5	29.93	212.3	28.90	207.6	27.82	195.7	25.21
		648.8	227.5	30.97	221.7	30.04	216.5	29.39	212.3	28.36	207.6	27.33	195.7	25.21
		778.5	227.5	30.97	221.7	29.88	216.5	29.12	212.3	28.09	207.6	27.08	195.7	25.21
	40	207.6	227.5	31.23	221.7	30.24	216.5	29.65	212.3	28.62	207.6	27.60	195.7	24.93
		259.5	227.5	30.97	221.7	30.04	216.5	29.39	212.3	28.36	207.6	27.33	195.7	24.66
		519.0	227.5	29.93	221.7	29.28	216.5	28.36	212.3	27.33	207.6	26.24	195.7	23.63
		648.8	227.5	29.39	221.7	28.79	216.5	28.36	212.3	27.33	207.6	26.24	195.7	23.63
		778.5	227.5	29.12	221.7	28.55	216.5	28.36	212.3	27.33	207.6	26.24	195.7	23.63
	45	207.6	227.5	30.20	221.7	29.20	216.5	28.76	212.3	27.72	207.6	26.64	195.7	23.35
		259.5	227.5	29.93	221.7	29.01	216.5	28.36	212.3	27.33	207.6	26.24	195.7	23.09
		519.0	227.5	28.90	221.7	28.25	216.5	26.78	212.3	25.75	207.6	24.66	195.7	22.06
		648.8	227.5	27.82	221.7	27.54	216.5	27.33	212.3	26.24	207.6	25.21	195.7	22.06
		778.5	227.5	27.27	221.7	27.19	216.5	27.60	212.3	26.49	207.6	25.48	195.7	22.06
120	-5	207.6	76.5	33.00	75.9	31.07	75.4	28.92	74.5	27.70	75.1	26.90	73.1	24.08
		259.5	79.1	33.57	78.5	31.67	78.0	29.55	77.1	28.30	77.7	27.49	75.6	24.61
		519.0	89.6	35.86	88.8	34.06	88.3	32.05	87.2	30.70	88.0	29.83	85.6	26.73
		648.8	98.9	38.14	98.1	36.40	97.5	34.55	96.4	33.14	97.2	32.16	94.5	28.79
		778.5	103.6	39.29	102.8	37.58	102.1	35.81	101.0	34.37	101.8	33.34	98.9	29.83
	0	207.6	136.7	45.13	133.4	43.79	130.5	42.36	127.9	40.57	127.9	39.44	122.0	35.26
		259.5	137.5	45.25	134.2	43.90	131.3	42.48	128.6	40.69	128.6	39.55	122.8	35.37
		519.0	140.7	45.74	137.3	44.33	134.5	42.97	131.6	41.18	131.6	39.99	125.8	35.80
		648.8	142.9	45.74	139.6	44.33	136.6	42.97	133.7	41.18	133.5	39.99	127.7	35.80
		778.5	144.0	45.74	140.7	44.33	137.6	42.97	134.7	41.18	134.5	39.99	128.7	35.80

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	207.6	197.1	48.51	194.1	47.32	189.9	46.11	185.3	44.15	179.4	42.92	169.6	38.43
		259.5	197.8	48.73	194.5	47.54	189.9	46.34	185.3	44.39	179.4	43.14	169.6	38.63
		519.0	200.6	49.60	195.9	48.41	189.9	47.27	185.3	45.31	179.4	44.01	169.6	39.39
		648.8	201.7	49.93	194.8	48.73	189.9	47.59	185.3	45.64	179.4	44.33	169.6	39.66
		778.5	202.3	50.09	194.2	48.90	189.9	47.76	185.3	45.80	179.4	44.50	169.6	39.80
	10	207.6	197.8	43.58	194.1	42.37	189.4	41.52	184.8	40.26	179.0	38.93	169.2	35.00
		259.5	198.7	43.73	194.9	42.54	189.9	41.67	185.3	40.31	179.4	38.90	169.6	35.04
		519.0	202.4	44.33	198.1	43.19	191.9	42.27	187.3	40.53	181.3	38.79	171.4	35.20
		648.8	203.5	44.17	197.5	43.19	192.7	42.43	188.1	40.69	182.1	38.95	172.2	36.40
		778.5	204.0	44.09	197.2	43.19	193.1	42.51	188.5	40.77	182.5	39.04	172.6	37.00
	15	207.6	198.4	38.65	194.4	37.51	188.8	36.93	184.3	36.37	178.5	34.92	168.7	31.65
		259.5	199.5	38.74	195.6	37.59	189.9	37.00	185.3	36.24	179.4	34.66	169.6	31.51
		519.0	204.1	39.06	200.3	37.92	194.2	37.27	189.4	35.69	183.1	33.63	173.3	30.97
		648.8	205.2	38.46	200.2	37.59	195.7	37.27	191.0	35.69	184.7	33.63	174.8	33.09
		778.5	205.8	38.16	200.1	37.43	196.5	37.27	191.8	35.69	185.5	33.63	175.6	34.15
	20	207.6	203.9	34.77	200.1	33.29	194.0	32.40	188.7	31.93	182.5	31.54	172.7	29.94
		259.5	205.2	34.77	201.3	33.41	195.1	32.54	189.9	32.05	183.7	31.51	173.7	29.83
		519.0	210.4	34.77	206.0	33.90	199.4	33.09	194.6	32.54	188.3	31.40	177.9	29.39
		648.8	211.4	34.44	205.9	33.63	201.0	33.09	195.7	32.54	189.4	31.51	179.0	30.48
		778.5	211.9	34.28	205.8	33.49	201.8	33.09	196.3	32.54	190.0	31.56	179.5	31.03
	25	207.6	213.8	32.88	207.6	31.35	201.0	30.75	196.7	30.07	191.5	29.51	181.0	27.46
		259.5	213.9	32.76	207.6	31.29	201.0	30.70	196.7	29.93	191.5	29.39	181.0	27.33
		519.0	214.4	32.27	207.6	31.08	201.0	30.48	196.7	29.39	191.5	28.90	181.0	26.78
		648.8	215.0	31.08	207.6	30.26	201.0	29.93	196.7	29.39	191.5	28.36	181.0	26.78
		778.5	215.4	30.47	207.6	29.85	201.0	29.66	196.7	29.39	191.5	28.09	181.0	26.78
	30	207.6	215.0	31.44	207.6	29.90	201.0	29.04	196.7	27.94	191.5	27.60	181.0	25.35
		259.5	215.0	31.18	207.6	29.72	201.0	28.90	196.7	27.82	191.5	27.33	181.0	25.21
		519.0	215.0	30.15	207.6	29.01	201.0	28.36	196.7	27.33	191.5	26.24	181.0	24.66
		648.8	215.0	29.17	207.6	28.36	201.0	27.82	196.7	27.33	191.5	26.24	181.0	24.18
		778.5	215.0	28.68	207.6	28.03	201.0	27.54	196.7	27.33	191.5	26.24	181.0	23.93
	35	207.6	215.0	30.03	207.6	28.40	201.0	27.60	196.7	26.50	191.5	25.47	181.0	23.21
		259.5	215.0	29.61	207.6	28.14	201.0	27.33	196.7	26.24	191.5	25.21	181.0	23.09
		519.0	215.0	27.92	207.6	27.11	201.0	26.24	196.7	25.21	191.5	24.18	181.0	22.60
		648.8	215.0	27.60	207.6	26.89	201.0	26.24	196.7	25.21	191.5	24.18	181.0	22.06
		778.5	215.0	27.43	207.6	26.78	201.0	26.24	196.7	25.21	191.5	24.18	181.0	21.78
	40	207.6	215.0	29.14	207.6	27.10	201.0	26.03	196.7	24.93	191.5	23.89	181.0	21.64
		259.5	215.0	28.58	207.6	26.78	201.0	25.75	196.7	24.66	191.5	23.63	181.0	21.51
		519.0	215.0	26.35	207.6	25.53	201.0	24.66	196.7	23.63	191.5	22.60	181.0	21.02
		648.8	215.0	26.02	207.6	25.21	201.0	24.66	196.7	23.63	191.5	22.60	181.0	20.48
		778.5	215.0	25.86	207.6	25.04	201.0	24.66	196.7	23.63	191.5	22.60	181.0	20.21
	45	207.6	215.0	28.24	207.6	25.80	201.0	24.45	196.7	23.35	191.5	22.32	181.0	20.06
		259.5	215.0	27.54	207.6	25.43	201.0	24.18	196.7	23.09	191.5	22.06	181.0	19.94
		519.0	215.0	24.77	207.6	23.96	201.0	23.09	196.7	22.06	191.5	21.02	181.0	19.45
		648.8	215.0	24.45	207.6	23.52	201.0	23.09	196.7	22.06	191.5	21.02	181.0	18.91
		778.5	215.0	24.28	207.6	23.30	201.0	23.09	196.7	22.06	191.5	21.02	181.0	18.63
110	-5	207.6	72.4	33.43	71.9	31.07	71.4	28.92	70.7	27.70	70.9	26.90	69.3	24.08
		259.5	74.8	34.01	74.4	31.67	73.9	29.55	73.1	28.30	73.3	27.49	71.7	24.61
		519.0	84.7	36.29	84.2	34.06	83.7	32.05	82.8	30.70	82.8	29.83	81.2	26.73
		648.8	93.5	38.63	92.9	36.40	92.4	34.55	91.5	33.14	91.5	32.16	89.6	28.79
		778.5	98.0	39.80	97.3	37.58	96.8	35.81	95.8	34.37	95.8	33.34	93.8	29.83
	0	207.6	129.3	45.74	126.5	43.79	123.8	42.36	121.4	40.57	120.3	39.44	115.8	35.26
		259.5	130.1	45.85	127.2	43.90	124.5	42.48	122.2	40.69	121.0	39.55	116.5	35.37
		519.0	133.1	46.29	130.2	44.33	127.4	42.97	125.0	41.18	123.9	39.99	119.1	35.80
		648.8	135.1	46.29	132.3	44.33	129.4	42.97	126.9	41.18	125.8	39.99	120.9	35.80
		778.5	136.2	46.29	133.3	44.33	130.5	42.97	127.9	41.18	126.8	39.99	121.8	35.80
	5	207.6	188.6	49.16	184.1	47.32	179.9	46.11	175.8	44.15	169.0	42.92	160.8	38.43
		259.5	189.2	49.38	184.5	47.54	179.9	46.34	175.8	44.39	169.0	43.14	160.8	38.63
		519.0	191.8	50.25	185.9	48.41	180.1	47.27	175.8	45.31	169.0	44.01	160.8	39.39
		648.8	192.9	50.58	186.4	48.73	180.1	47.59	175.8	45.64	169.0	44.33	160.8	39.66
		778.5	193.4	50.74	186.6	48.90	180.1	47.76	175.8	45.80	169.0	44.50	160.8	39.80
	10	207.6	189.3	44.09	184.7	42.58	179.6	41.65	175.5	40.26	168.7	38.93	160.6	35.00
		259.5	190.0	44.17	185.1	42.70	179.9	41.78	175.8	40.31	169.0	38.90	160.8	35.04
		519.0	192.9	44.49	187.0	43.19	181.0	42.27	176.9	40.53	170.1	38.79	161.6	35.20
		648.8	194.0	44.49	187.8	43.19	181.7	42.16	177.2	40.42	170.4	38.95	162.0	35.58
		778.5	194.6	44.49	188.2	43.19	182.0	42.10	177.4	40.36	170.6	39.04	162.3	35.78

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	207.6	189.9	39.01	184.9	37.92	179.5	37.27	175.3	36.37	168.4	34.92	160.4	31.65
		259.5	190.7	38.95	185.6	37.92	180.1	37.27	175.8	36.24	169.0	34.66	160.8	31.51
		519.0	193.8	38.74	188.3	37.92	182.1	37.27	177.9	35.69	171.2	33.63	162.3	30.97
		648.8	194.9	38.46	189.2	37.59	183.1	36.78	178.5	35.20	171.7	33.63	163.3	31.51
		778.5	195.5	38.33	189.7	37.43	183.6	36.53	178.8	34.96	171.9	33.63	163.8	31.78
	20	207.6	193.4	33.67	188.1	32.87	182.1	32.05	177.2	31.51	170.7	30.62	161.7	28.63
		259.5	194.5	33.74	188.8	32.87	182.6	32.05	177.9	31.51	171.2	30.48	162.3	28.58
		519.0	198.6	34.01	191.3	32.87	184.7	32.05	180.5	31.51	173.3	29.93	164.9	28.36
		648.8	199.7	34.01	192.9	32.87	185.8	32.05	181.0	30.97	174.2	29.93	165.4	28.36
		778.5	200.2	34.01	193.7	32.87	186.3	32.05	181.3	30.69	174.7	29.93	165.6	28.36
	25	207.6	199.4	30.64	193.5	29.51	185.8	29.04	181.7	27.94	175.3	26.92	166.0	24.66
		259.5	199.8	30.59	193.5	29.39	185.8	28.90	181.7	27.82	175.3	26.78	166.0	24.66
		519.0	201.4	30.37	193.5	28.90	185.8	28.36	181.7	27.33	175.3	26.24	166.0	24.66
		648.8	202.4	30.37	193.5	29.01	185.8	27.82	181.7	27.33	175.3	25.75	166.0	24.18
		778.5	202.9	30.37	193.5	29.07	185.8	27.54	181.7	27.33	175.3	25.50	166.0	23.93
	30	207.6	202.4	27.94	193.5	26.92	185.8	25.89	181.7	25.35	175.3	23.77	166.0	22.19
		259.5	202.4	27.82	193.5	26.78	185.8	25.75	181.7	25.21	175.3	23.63	166.0	22.06
		519.0	202.4	27.33	193.5	26.24	185.8	25.21	181.7	24.66	175.3	23.09	166.0	21.51
		648.8	202.4	27.11	193.5	25.75	185.8	24.66	181.7	24.18	175.3	23.09	166.0	21.51
		778.5	202.4	27.00	193.5	25.50	185.8	24.39	181.7	23.93	175.3	23.09	166.0	21.51
	35	207.6	202.4	26.50	193.5	24.79	185.8	23.77	181.7	22.74	175.3	21.64	166.0	20.06
		259.5	202.4	26.24	193.5	24.66	185.8	23.63	181.7	22.60	175.3	21.51	166.0	19.94
		519.0	202.4	25.21	193.5	24.18	185.8	23.09	181.7	22.06	175.3	21.02	166.0	19.45
		648.8	202.4	24.56	193.5	23.63	185.8	22.60	181.7	22.06	175.3	21.02	166.0	19.45
		778.5	202.4	24.23	193.5	23.36	185.8	22.35	181.7	22.06	175.3	21.02	166.0	19.45
	40	207.6	202.4	24.93	193.5	23.89	185.8	22.32	181.7	21.16	175.3	20.06	166.0	18.49
		259.5	202.4	24.66	193.5	23.63	185.8	22.06	181.7	21.02	175.3	19.94	166.0	18.36
		519.0	202.4	23.63	193.5	22.60	185.8	21.02	181.7	20.48	175.3	19.45	166.0	17.87
		648.8	202.4	23.31	193.5	22.06	185.8	21.02	181.7	19.94	175.3	18.91	166.0	17.33
		778.5	202.4	23.14	193.5	21.78	185.8	21.02	181.7	19.66	175.3	18.63	166.0	17.06
	45	207.6	202.4	23.35	193.5	23.00	185.8	20.88	181.7	19.59	175.3	18.49	166.0	16.91
		259.5	202.4	23.09	193.5	22.60	185.8	20.48	181.7	19.45	175.3	18.36	166.0	16.79
		519.0	202.4	22.06	193.5	21.02	185.8	18.91	181.7	18.91	175.3	17.87	166.0	16.30
		648.8	202.4	22.06	193.5	20.48	185.8	19.45	181.7	17.87	175.3	16.79	166.0	15.21
		778.5	202.4	22.06	193.5	20.21	185.8	19.72	181.7	17.35	175.3	16.24	166.0	14.66
100	-5	207.6	68.4	33.43	67.9	31.50	67.6	28.92	67.0	27.70	66.4	26.47	65.1	24.08
		259.5	70.7	34.01	70.3	32.11	69.9	29.55	69.3	28.30	68.7	27.06	67.4	24.61
		519.0	80.1	36.29	79.6	34.50	79.1	32.05	78.3	30.70	77.7	29.39	76.4	26.73
		648.8	88.5	38.63	87.8	36.89	87.3	34.55	86.6	33.14	85.9	31.67	84.3	28.79
		778.5	92.7	39.80	92.0	38.09	91.5	35.81	90.7	34.37	90.1	32.82	88.3	29.83
	0	207.6	122.2	45.74	119.5	44.38	117.0	42.36	115.0	40.57	112.9	38.84	109.0	35.26
		259.5	122.9	45.85	120.3	44.49	117.7	42.48	115.7	40.69	113.6	38.95	109.7	35.37
		519.0	125.8	46.29	123.1	44.93	120.4	42.97	118.4	41.18	116.3	39.39	112.2	35.80
		648.8	127.7	46.29	125.0	44.93	122.3	42.97	120.1	41.18	118.0	39.39	113.9	35.80
		778.5	128.7	46.29	126.0	44.93	123.3	42.97	121.0	41.18	118.9	39.39	114.8	35.80
	5	207.6	180.4	49.16	174.4	47.97	169.9	46.11	166.5	44.15	158.5	42.26	151.3	38.43
		259.5	181.0	49.38	174.7	48.19	169.9	46.34	166.5	44.39	158.5	42.48	151.3	38.63
		519.0	183.5	50.25	176.0	49.06	170.1	47.27	166.5	45.31	158.5	43.35	151.3	39.39
		648.8	184.7	50.58	176.4	49.38	170.1	47.59	166.5	45.64	158.5	43.63	151.3	39.66
		778.5	185.2	50.74	176.7	49.55	170.1	47.76	166.5	45.80	158.5	43.76	151.3	39.80
	10	207.6	181.4	43.96	174.9	43.00	170.1	41.65	166.5	40.26	158.5	38.26	151.3	35.00
		259.5	181.8	44.17	175.2	43.14	170.1	41.78	166.5	40.31	158.5	38.30	151.3	35.04
		519.0	183.5	44.98	176.1	43.68	170.1	42.27	166.5	40.53	158.5	38.46	151.3	35.20
		648.8	184.8	44.82	176.9	43.68	170.1	42.16	166.5	40.42	158.5	38.36	151.3	35.04
		778.5	185.5	44.74	177.3	43.68	170.1	42.10	166.5	40.36	158.5	38.30	151.3	34.96
	15	207.6	182.4	38.76	175.7	38.11	170.1	37.27	166.5	36.37	158.5	34.24	151.3	31.65
		259.5	182.6	38.95	175.8	38.14	170.1	37.27	166.5	36.24	158.5	34.12	151.3	31.51
		519.0	183.5	39.71	176.3	38.25	170.1	37.27	166.5	35.69	158.5	33.63	151.3	30.97
		648.8	185.1	39.06	177.2	37.92	170.1	36.78	166.5	35.20	158.5	33.09	151.3	30.48
		778.5	185.9	38.73	177.7	37.76	170.1	36.53	166.5	34.96	158.5	32.81	151.3	30.23
	20	207.6	183.3	33.15	176.6	32.30	170.1	31.51	166.5	31.09	158.5	29.04	151.3	27.60
		259.5	184.0	33.30	176.7	32.32	170.1	31.51	166.5	30.97	158.5	28.90	151.3	27.33
		519.0	186.7	33.90	177.2	32.43	170.1	31.51	166.5	30.48	158.5	28.36	151.3	26.24
		648.8	187.8	33.30	178.8	32.16	170.1	30.97	166.5	29.93	158.5	27.82	151.3	25.75
		778.5	188.4	33.00	179.6	32.03	170.1	30.69	166.5	29.66	158.5	27.54	151.3	25.50

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	207.6	185.6	28.98	179.4	28.08	170.1	26.92	166.5	25.89	158.5	24.31	151.3	22.06
		259.5	186.2	29.01	179.4	27.92	170.1	26.78	166.5	25.75	158.5	24.18	151.3	22.06
		519.0	188.9	29.12	179.4	27.33	170.1	26.24	166.5	25.21	158.5	23.63	151.3	22.06
		648.8	189.9	28.47	179.4	27.11	170.1	25.75	166.5	24.66	158.5	23.63	151.3	21.51
		778.5	190.4	28.14	179.4	27.00	170.1	25.50	166.5	24.39	158.5	23.63	151.3	21.24
	30	207.6	189.9	26.36	179.4	24.31	170.1	22.66	166.5	22.19	158.5	20.48	151.3	19.59
		259.5	189.9	26.24	179.4	24.18	170.1	22.60	166.5	22.06	158.5	20.48	151.3	19.45
		519.0	189.9	25.75	179.4	23.63	170.1	22.38	166.5	21.51	158.5	20.48	151.3	18.91
		648.8	189.9	25.21	179.4	23.63	170.1	22.06	166.5	21.51	158.5	19.94	151.3	18.91
		778.5	189.9	24.93	179.4	23.63	170.1	21.89	166.5	21.51	158.5	19.66	151.3	18.91
	35	207.6	189.9	24.45	179.4	22.32	170.1	19.99	166.5	19.59	158.5	18.49	151.3	16.91
		259.5	189.9	24.18	179.4	22.06	170.1	19.94	166.5	19.45	158.5	18.36	151.3	16.79
		519.0	189.9	23.09	179.4	21.02	170.1	19.72	166.5	18.91	158.5	17.87	151.3	16.30
		648.8	189.9	23.09	179.4	21.02	170.1	19.45	166.5	18.91	158.5	17.87	151.3	16.30
		778.5	189.9	23.09	179.4	21.02	170.1	19.31	166.5	18.91	158.5	17.87	151.3	16.30
	40	207.6	189.9	22.87	179.4	20.74	170.1	17.93	166.5	17.47	158.5	16.44	151.3	15.34
		259.5	189.9	22.60	179.4	20.48	170.1	17.87	166.5	17.33	158.5	16.30	151.3	15.21
		519.0	189.9	21.51	179.4	19.45	170.1	17.66	166.5	16.79	158.5	15.76	151.3	14.72
		648.8	189.9	21.02	179.4	19.45	170.1	17.33	166.5	16.79	158.5	15.76	151.3	14.72
		778.5	189.9	20.78	179.4	19.45	170.1	17.17	166.5	16.79	158.5	15.76	151.3	14.72
	45	207.6	189.9	21.30	179.4	19.17	170.1	15.81	166.5	15.34	158.5	14.32	151.3	13.76
		259.5	189.9	21.02	179.4	18.91	170.1	15.76	166.5	15.21	158.5	14.18	151.3	13.64
		519.0	189.9	19.94	179.4	17.87	170.1	15.54	166.5	14.72	158.5	13.64	151.3	13.15
		648.8	189.9	18.91	179.4	17.87	170.1	15.21	166.5	14.72	158.5	13.64	151.3	13.15
		778.5	189.9	18.39	179.4	17.87	170.1	15.05	166.5	14.72	158.5	13.64	151.3	13.15
90	-5	207.6	64.5	31.03	62.6	28.26	60.7	24.82	60.3	23.65	59.8	22.80	58.8	20.46
		259.5	66.8	31.56	64.7	28.79	62.8	25.37	62.3	24.18	61.9	23.31	60.8	20.92
		519.0	75.6	33.68	73.3	30.91	71.0	27.54	70.6	26.24	70.1	25.32	68.7	22.71
		648.8	83.5	35.80	80.9	33.09	78.5	29.72	77.9	28.30	77.4	27.27	76.0	24.50
		778.5	87.5	36.87	84.7	34.18	82.2	30.81	81.5	29.35	81.0	28.26	79.6	25.41
	0	207.6	115.5	42.27	110.1	39.66	105.1	36.41	103.5	34.73	101.8	33.42	98.0	30.02
		259.5	116.1	42.38	110.8	39.77	105.7	36.51	104.1	34.82	102.4	33.52	98.6	30.10
		519.0	118.8	42.81	113.3	40.20	108.2	36.89	106.5	35.20	104.7	33.90	101.0	30.42
		648.8	120.6	42.81	115.0	40.20	110.0	36.89	108.1	35.20	106.5	33.90	102.5	30.42
		778.5	121.5	42.81	115.9	40.20	110.8	36.89	108.9	35.20	107.4	33.90	103.3	30.42
	5	207.6	163.1	45.38	157.9	42.82	152.9	39.63	149.7	37.78	143.0	36.37	136.2	32.65
		259.5	163.3	45.58	157.8	43.03	152.9	39.82	149.7	37.97	143.0	36.56	136.2	32.81
		519.0	163.9	46.40	157.3	43.84	152.9	40.58	149.7	38.74	143.0	37.32	136.2	33.47
		648.8	164.9	46.67	157.8	44.11	152.9	40.91	149.7	39.01	143.0	37.59	136.2	33.74
		778.5	165.4	46.80	158.0	44.25	152.9	41.07	149.7	39.14	143.0	37.73	136.2	33.87
	10	207.6	164.0	40.07	158.4	38.10	152.9	35.87	149.7	34.40	143.0	33.00	136.2	29.74
		259.5	163.9	40.09	158.2	38.14	152.9	35.91	149.7	34.44	143.0	32.98	136.2	29.77
		519.0	163.6	40.20	157.4	38.30	152.9	36.07	149.7	34.61	143.0	32.87	136.2	29.88
		648.8	164.7	40.09	157.9	38.19	152.9	35.96	149.7	34.50	143.0	32.98	136.2	29.99
		778.5	165.3	40.04	158.2	38.14	152.9	35.91	149.7	34.44	143.0	33.03	136.2	30.04
	15	207.6	164.8	34.69	159.0	33.44	152.9	32.19	149.7	31.09	143.0	29.65	136.2	26.92
		259.5	164.6	34.55	158.7	33.30	152.9	32.05	149.7	30.97	143.0	29.39	136.2	26.78
		519.0	163.5	34.01	157.6	32.76	152.9	31.51	149.7	30.48	143.0	28.36	136.2	26.24
		648.8	164.6	33.52	158.1	32.27	152.9	30.97	149.7	29.93	143.0	28.36	136.2	26.24
		778.5	165.1	33.27	158.3	32.02	152.9	30.69	149.7	29.66	143.0	28.36	136.2	26.24
	20	207.6	165.8	29.28	159.7	28.44	152.9	27.46	149.7	26.36	143.0	25.47	136.2	23.89
		259.5	165.7	29.28	159.3	28.36	152.9	27.33	149.7	26.24	143.0	25.21	136.2	23.63
		519.0	165.0	29.28	158.1	28.03	152.9	26.78	149.7	25.75	143.0	24.18	136.2	22.60
		648.8	165.5	28.79	158.5	27.82	152.9	26.78	149.7	25.75	143.0	24.18	136.2	22.60
		778.5	165.8	28.55	158.8	27.71	152.9	26.78	149.7	25.75	143.0	24.18	136.2	22.60
	25	207.6	168.6	25.59	161.7	24.23	152.9	23.21	149.7	22.06	143.0	21.16	136.2	19.59
		259.5	169.0	25.53	161.7	24.18	152.9	23.09	149.7	22.06	143.0	21.02	136.2	19.45
		519.0	170.6	25.32	161.7	23.96	152.9	22.60	149.7	22.06	143.0	20.48	136.2	18.91
		648.8	171.2	24.66	161.7	23.42	152.9	22.60	149.7	21.51	143.0	20.48	136.2	18.91
		778.5	171.5	24.34	161.7	23.14	152.9	22.60	149.7	21.24	143.0	20.48	136.2	18.91
	30	207.6	171.2	23.21	161.7	21.64	152.9	20.06	149.7	19.59	143.0	18.49	136.2	16.79
		259.5	171.2	23.09	161.7	21.51	152.9	19.94	149.7	19.45	143.0	18.36	136.2	16.79
		519.0	171.2	22.60	161.7	21.02	152.9	19.45	149.7	18.91	143.0	17.87	136.2	16.79
		648.8	171.2	22.06	161.7	20.48	152.9	19.45	149.7	18.91	143.0	17.87	136.2	16.30
		778.5	171.2	21.78	161.7	20.21	152.9	19.45	149.7	18.91	143.0	17.87	136.2	16.05

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	207.6	171.2	21.16	161.7	19.59	152.9	18.01	149.7	17.47	143.0	16.44	136.2	15.34
		259.5	171.2	21.02	161.7	19.45	152.9	17.87	149.7	17.33	143.0	16.30	136.2	15.21
		519.0	171.2	20.48	161.7	18.91	152.9	17.33	149.7	16.79	143.0	15.76	136.2	14.72
		648.8	171.2	19.94	161.7	18.36	152.9	16.79	149.7	16.30	143.0	15.76	136.2	14.72
		778.5	171.2	19.66	161.7	18.09	152.9	16.51	149.7	16.05	143.0	15.76	136.2	14.72
	40	207.6	171.2	19.72	161.7	18.01	152.9	15.89	149.7	15.34	143.0	14.86	136.2	13.76
		259.5	171.2	19.45	161.7	17.87	152.9	15.76	149.7	15.21	143.0	14.72	136.2	13.64
		519.0	171.2	18.36	161.7	17.33	152.9	15.21	149.7	14.72	143.0	14.18	136.2	13.15
		648.8	171.2	18.36	161.7	17.33	152.9	15.21	149.7	14.72	143.0	14.18	136.2	13.15
		778.5	171.2	18.36	161.7	17.33	152.9	15.21	149.7	14.72	143.0	14.18	136.2	13.15
	45	207.6	171.2	18.27	161.7	16.44	152.9	13.76	149.7	13.28	143.0	13.28	136.2	12.18
		259.5	171.2	17.87	161.7	16.30	152.9	13.64	149.7	13.15	143.0	13.15	136.2	12.06
		519.0	171.2	16.30	161.7	15.76	152.9	13.15	149.7	12.60	143.0	12.60	136.2	11.57
		648.8	171.2	16.79	161.7	16.30	152.9	13.64	149.7	13.15	143.0	12.60	136.2	11.57
		778.5	171.2	17.03	161.7	16.57	152.9	13.88	149.7	13.42	143.0	12.60	136.2	11.57
80	-5	207.6	61.1	22.11	57.2	21.26	54.2	20.37	53.5	19.68	53.2	18.77	52.2	17.29
		259.5	63.1	22.60	59.2	21.73	56.0	20.81	55.4	20.10	55.1	19.18	54.0	17.66
		519.0	71.4	24.56	66.9	23.58	63.3	22.55	62.7	21.79	62.3	20.81	61.1	19.12
		648.8	79.0	26.46	73.9	25.43	69.9	24.34	69.1	23.52	68.8	22.44	67.4	20.64
		778.5	82.8	27.42	77.4	26.36	73.3	25.24	72.4	24.40	72.1	23.26	70.6	21.41
	0	207.6	109.0	32.45	100.5	31.14	93.6	29.85	91.8	28.82	90.6	27.46	87.1	25.30
		259.5	109.7	32.54	101.1	31.24	94.1	29.93	92.4	28.90	91.1	27.54	87.7	25.37
		519.0	112.3	32.92	103.5	31.62	96.4	30.26	94.6	29.23	93.4	27.87	89.7	25.64
		648.8	113.9	32.92	105.1	31.62	97.9	30.26	96.0	29.23	94.8	27.87	91.1	25.64
		778.5	114.7	32.92	105.9	31.62	98.7	30.26	96.8	29.23	95.5	27.87	91.9	25.64
	5	207.6	150.8	35.28	142.3	33.95	136.0	32.42	133.1	31.35	127.4	29.89	121.0	27.50
		259.5	151.1	35.48	142.6	34.12	136.1	32.60	133.1	31.51	127.4	30.04	121.0	27.65
		519.0	152.4	36.24	143.7	34.77	136.2	33.30	133.1	32.16	127.4	30.64	121.0	28.25
		648.8	152.4	36.45	143.5	35.04	136.2	33.52	133.1	32.38	127.4	30.86	121.0	28.41
		778.5	152.4	36.56	143.4	35.18	136.2	33.63	133.1	32.49	127.4	30.97	121.0	28.50
	10	207.6	151.6	32.47	142.9	31.01	136.0	29.43	133.1	28.62	127.4	27.10	121.0	25.09
		259.5	151.7	32.43	143.0	30.97	136.1	29.45	133.1	28.63	127.4	27.11	121.0	25.10
		519.0	152.4	32.27	143.7	30.80	136.2	29.50	133.1	28.68	127.4	27.16	121.0	25.15
		648.8	152.4	32.16	143.5	30.91	136.2	29.61	133.1	28.52	127.4	27.00	121.0	24.99
		778.5	152.4	32.11	143.4	30.97	136.2	29.66	133.1	28.44	127.4	26.92	121.0	24.91
	15	207.6	152.4	29.65	143.5	28.08	136.2	26.36	133.1	25.89	127.4	24.31	121.0	22.74
		259.5	152.4	29.39	143.5	27.82	136.2	26.24	133.1	25.75	127.4	24.18	121.0	22.60
		519.0	152.4	28.36	143.5	26.78	136.2	25.75	133.1	25.21	127.4	23.63	121.0	22.06
		648.8	152.4	27.82	143.5	26.78	136.2	25.75	133.1	24.66	127.4	23.09	121.0	21.51
		778.5	152.4	27.54	143.5	26.78	136.2	25.75	133.1	24.39	127.4	22.82	121.0	21.24
	20	207.6	152.4	24.79	143.5	23.77	136.2	22.60	133.1	22.19	127.4	21.16	121.0	19.59
		259.5	152.4	24.66	143.5	23.63	136.2	22.60	133.1	22.06	127.4	21.02	121.0	19.45
		519.0	152.4	24.18	143.5	23.09	136.2	22.60	133.1	21.51	127.4	20.48	121.0	18.91
		648.8	152.4	23.63	143.5	22.60	136.2	22.06	133.1	21.51	127.4	19.94	121.0	18.91
		778.5	152.4	23.36	143.5	22.35	136.2	21.78	133.1	21.51	127.4	19.66	121.0	18.91
	25	207.6	152.4	22.19	143.5	20.62	136.2	19.45	133.1	19.04	127.4	18.01	121.0	16.91
		259.5	152.4	22.06	143.5	20.48	136.2	19.45	133.1	18.91	127.4	17.87	121.0	16.79
		519.0	152.4	21.51	143.5	19.94	136.2	19.45	133.1	18.36	127.4	17.33	121.0	16.30
		648.8	152.4	21.02	143.5	19.94	136.2	18.91	133.1	18.36	127.4	17.33	121.0	16.30
		778.5	152.4	20.78	143.5	19.94	136.2	18.63	133.1	18.36	127.4	17.33	121.0	16.30
	30	207.6	152.4	19.59	143.5	18.49	136.2	17.47	133.1	16.91	127.4	15.89	121.0	14.86
		259.5	152.4	19.45	143.5	18.36	136.2	17.33	133.1	16.79	127.4	15.76	121.0	14.72
		519.0	152.4	18.91	143.5	17.87	136.2	16.79	133.1	16.30	127.4	15.21	121.0	14.18
		648.8	152.4	18.91	143.5	17.87	136.2	16.79	133.1	16.30	127.4	15.21	121.0	14.18
		778.5	152.4	18.91	143.5	17.87	136.2	16.79	133.1	16.30	127.4	15.21	121.0	14.18
	35	207.6	152.4	18.01	143.5	16.91	136.2	15.34	133.1	14.72	127.4	14.32	121.0	13.15
		259.5	152.4	17.87	143.5	16.79	136.2	15.21	133.1	14.72	127.4	14.18	121.0	13.15
		519.0	152.4	17.33	143.5	16.30	136.2	14.72	133.1	14.72	127.4	13.64	121.0	13.15
		648.8	152.4	17.33	143.5	15.76	136.2	14.72	133.1	14.18	127.4	13.64	121.0	12.60
		778.5	152.4	17.33	143.5	15.48	136.2	14.72	133.1	13.91	127.4	13.64	121.0	12.33
	40	207.6	152.4	17.05	143.5	15.34	136.2	13.64	133.1	13.76	127.4	12.60	121.0	12.18
		259.5	152.4	16.79	143.5	15.21	136.2	13.64	133.1	13.64	127.4	12.60	121.0	12.06
		519.0	152.4	15.76	143.5	14.72	136.2	13.64	133.1	13.15	127.4	12.60	121.0	11.57
		648.8	152.4	15.76	143.5	14.72	136.2	13.15	133.1	13.15	127.4	12.60	121.0	11.57
		778.5	152.4	15.76	143.5	14.72	136.2	12.90	133.1	13.15	127.4	12.60	121.0	11.57

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	207.6	152.4	16.15	143.5	13.76	136.2	11.92	133.1	12.86	127.4	10.89	121.0	11.29
		259.5	152.4	15.76	143.5	13.64	136.2	12.06	133.1	12.60	127.4	11.03	121.0	11.03
		519.0	152.4	14.18	143.5	13.15	136.2	12.60	133.1	11.57	127.4	11.57	121.0	10.00
		648.8	152.4	14.18	143.5	13.64	136.2	11.57	133.1	12.06	127.4	11.57	121.0	10.49
		778.5	152.4	14.18	143.5	13.88	136.2	11.05	133.1	12.31	127.4	11.57	121.0	10.73
70	-5	207.6	53.2	18.98	50.0	18.07	47.3	17.49	46.8	16.48	46.5	15.90	45.8	14.46
		259.5	55.1	19.39	51.7	18.47	48.9	17.87	48.4	16.84	48.1	16.24	47.3	14.78
		519.0	62.3	21.02	58.5	20.05	55.2	19.39	54.7	18.25	54.4	17.60	53.5	16.03
		648.8	69.0	22.71	64.7	21.62	61.1	20.92	60.6	19.67	60.1	19.01	59.0	17.28
		778.5	72.3	23.56	67.8	22.42	64.0	21.68	63.6	20.38	63.0	19.73	61.8	17.91
	0	207.6	95.3	27.79	88.1	26.50	81.8	25.61	80.4	24.11	79.1	23.29	76.3	21.19
		259.5	95.9	27.87	88.6	26.57	82.3	25.70	80.9	24.18	79.6	23.36	76.7	21.24
		519.0	98.1	28.20	90.7	26.84	84.2	26.02	82.8	24.45	81.5	23.63	78.5	21.46
		648.8	99.5	28.20	92.1	26.84	85.4	26.02	84.0	24.45	82.8	23.63	79.7	21.46
		778.5	100.2	28.20	92.8	26.84	86.1	26.02	84.7	24.45	83.4	23.63	80.4	21.46
	5	207.6	131.7	30.27	124.8	28.81	118.8	27.88	116.3	26.28	111.1	25.34	105.9	23.02
		259.5	132.0	30.42	125.0	28.96	118.8	28.03	116.3	26.40	111.1	25.48	105.9	23.14
		519.0	133.1	31.02	126.0	29.55	119.0	28.63	116.3	26.89	111.1	26.02	105.9	23.63
		648.8	133.1	31.24	125.8	29.77	119.0	28.85	116.3	27.11	111.1	26.19	105.9	23.80
		778.5	133.1	31.35	125.7	29.88	119.0	28.96	116.3	27.22	111.1	26.27	105.9	23.88
	10	207.6	132.3	27.87	125.2	26.35	119.0	25.37	116.3	23.96	111.1	22.98	105.9	21.02
		259.5	132.4	27.82	125.3	26.29	119.0	25.32	116.3	23.96	111.1	22.98	105.9	21.02
		519.0	133.1	27.60	125.8	26.08	119.0	25.10	116.3	23.96	111.1	22.98	105.9	21.02
		648.8	133.1	27.71	125.8	26.19	119.0	25.21	116.3	24.07	111.1	22.82	105.9	21.08
		778.5	133.1	27.76	125.8	26.24	119.0	25.26	116.3	24.12	111.1	22.74	105.9	21.11
	15	207.6	133.1	25.47	125.8	23.89	119.0	22.87	116.3	21.64	111.1	20.62	105.9	19.04
		259.5	133.1	25.21	125.8	23.63	119.0	22.60	116.3	21.51	111.1	20.48	105.9	18.91
		519.0	133.1	24.18	125.8	22.60	119.0	21.51	116.3	21.02	111.1	19.94	105.9	18.36
		648.8	133.1	24.18	125.8	22.60	119.0	21.51	116.3	21.02	111.1	19.45	105.9	18.36
		778.5	133.1	24.18	125.8	22.60	119.0	21.51	116.3	21.02	111.1	19.20	105.9	18.36
	20	207.6	133.1	21.16	125.8	20.06	119.0	19.59	116.3	19.04	111.1	18.01	105.9	16.91
		259.5	133.1	21.02	125.8	19.94	119.0	19.45	116.3	18.91	111.1	17.87	105.9	16.79
		519.0	133.1	20.48	125.8	19.45	119.0	18.91	116.3	18.36	111.1	17.33	105.9	16.30
		648.8	133.1	20.48	125.8	19.45	119.0	18.91	116.3	17.87	111.1	17.33	105.9	15.76
		778.5	133.1	20.48	125.8	19.45	119.0	18.91	116.3	17.63	111.1	17.33	105.9	15.48
	25	207.6	133.1	19.04	125.8	18.01	119.0	16.91	116.3	16.44	111.1	15.21	105.9	14.18
		259.5	133.1	18.91	125.8	17.87	119.0	16.79	116.3	16.30	111.1	15.21	105.9	14.18
		519.0	133.1	18.36	125.8	17.33	119.0	16.30	116.3	15.76	111.1	15.21	105.9	14.18
		648.8	133.1	17.87	125.8	16.79	119.0	16.30	116.3	15.76	111.1	14.72	105.9	14.18
		778.5	133.1	17.63	125.8	16.51	119.0	16.30	116.3	15.76	111.1	14.48	105.9	14.18
	30	207.6	133.1	16.91	125.8	15.89	119.0	14.86	116.3	14.18	111.1	13.76	105.9	12.60
		259.5	133.1	16.79	125.8	15.76	119.0	14.72	116.3	14.18	111.1	13.64	105.9	12.60
		519.0	133.1	16.30	125.8	15.21	119.0	14.18	116.3	14.18	111.1	13.15	105.9	12.60
		648.8	133.1	16.30	125.8	15.21	119.0	14.18	116.3	13.64	111.1	13.15	105.9	12.60
		778.5	133.1	16.30	125.8	15.21	119.0	14.18	116.3	13.36	111.1	13.15	105.9	12.60
	35	207.6	133.1	15.34	125.8	14.32	119.0	13.15	116.3	13.28	111.1	12.06	105.9	11.71
		259.5	133.1	15.21	125.8	14.18	119.0	13.15	116.3	13.15	111.1	12.06	105.9	11.57
		519.0	133.1	14.72	125.8	13.64	119.0	13.15	116.3	12.60	111.1	12.06	105.9	11.03
		648.8	133.1	14.72	125.8	13.64	119.0	12.60	116.3	12.60	111.1	12.06	105.9	11.03
		778.5	133.1	14.72	125.8	13.64	119.0	12.33	116.3	12.60	111.1	12.06	105.9	11.03
	40	207.6	133.1	14.32	125.8	13.28	119.0	12.18	116.3	11.57	111.1	11.03	105.9	10.61
		259.5	133.1	14.18	125.8	13.15	119.0	12.06	116.3	11.57	111.1	11.03	105.9	10.49
		519.0	133.1	13.64	125.8	12.60	119.0	11.57	116.3	11.57	111.1	11.03	105.9	10.00
		648.8	133.1	13.64	125.8	12.60	119.0	11.57	116.3	11.03	111.1	10.49	105.9	10.00
		778.5	133.1	13.64	125.8	12.60	119.0	11.57	116.3	10.75	111.1	10.21	105.9	10.00
	45	207.6	133.1	13.28	125.8	12.18	119.0	11.29	116.3	9.87	111.1	10.00	105.9	9.59
		259.5	133.1	13.15	125.8	12.06	119.0	11.03	116.3	10.00	111.1	10.00	105.9	9.45
		519.0	133.1	12.60	125.8	11.57	119.0	10.00	116.3	10.49	111.1	10.00	105.9	8.91
		648.8	133.1	12.60	125.8	11.57	119.0	10.49	116.3	9.45	111.1	8.91	105.9	8.91
		778.5	133.1	12.60	125.8	11.57	119.0	10.73	116.3	8.93	111.1	8.36	105.9	8.91
60	-5	207.6	45.7	15.41	42.8	14.83	40.5	14.24	40.1	13.24	39.9	13.02	39.1	11.64
		259.5	47.3	15.76	44.3	15.16	41.9	14.56	41.5	13.53	41.3	13.31	40.5	11.90
		519.0	53.6	17.11	50.2	16.46	47.5	15.81	47.0	14.67	46.8	14.45	45.9	12.93
		648.8	59.2	18.42	55.4	17.77	52.5	17.06	51.9	15.86	51.7	15.59	50.6	13.91
		778.5	62.0	19.07	58.0	18.42	55.1	17.69	54.4	16.47	54.2	16.17	53.0	14.40

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	207.6	81.8	22.59	75.4	21.78	70.3	20.85	68.9	19.39	68.0	19.12	65.5	17.07
		259.5	82.3	22.65	75.8	21.84	70.7	20.92	69.3	19.45	68.4	19.18	65.8	17.11
		519.0	84.2	22.93	77.5	22.06	72.5	21.19	70.9	19.67	69.9	19.39	67.2	17.28
		648.8	85.4	22.93	78.8	22.06	73.6	21.19	72.0	19.67	71.0	19.39	68.4	17.28
		778.5	86.1	22.93	79.4	22.06	74.1	21.19	72.6	19.67	71.6	19.39	68.9	17.28
	5	207.6	113.1	24.60	106.6	23.67	102.2	22.69	99.7	21.13	95.4	20.81	90.8	18.54
		259.5	113.3	24.72	106.8	23.80	102.2	22.82	99.7	21.24	95.4	20.92	90.8	18.63
		519.0	114.2	25.21	107.6	24.28	102.2	23.31	99.7	21.68	95.4	21.35	90.8	19.01
		648.8	114.2	25.43	107.4	24.45	102.2	23.47	99.7	21.84	95.4	21.46	90.8	19.18
		778.5	114.2	25.53	107.4	24.53	102.2	23.55	99.7	21.92	95.4	21.51	90.8	19.26
	10	207.6	113.6	22.60	107.0	21.62	102.2	20.59	99.7	19.23	95.4	18.87	90.8	16.91
		259.5	113.8	22.60	107.1	21.62	102.2	20.59	99.7	19.29	95.4	18.85	90.8	16.95
		519.0	114.2	22.60	107.6	21.62	102.2	20.59	99.7	19.50	95.4	18.80	90.8	17.11
		648.8	114.2	22.65	107.4	21.41	102.2	20.37	99.7	19.29	95.4	18.63	90.8	16.95
		778.5	114.2	22.68	107.4	21.30	102.2	20.26	99.7	19.18	95.4	18.55	90.8	16.87
	15	207.6	114.2	20.62	107.4	19.59	102.2	18.49	99.7	17.33	95.4	16.91	90.8	15.21
		259.5	114.2	20.48	107.4	19.45	102.2	18.36	99.7	17.33	95.4	16.79	90.8	15.21
		519.0	114.2	19.94	107.4	18.91	102.2	17.87	99.7	17.33	95.4	16.30	90.8	15.21
		648.8	114.2	19.94	107.4	18.36	102.2	17.33	99.7	16.79	95.4	15.76	90.8	14.72
		778.5	114.2	19.94	107.4	18.09	102.2	17.06	99.7	16.51	95.4	15.48	90.8	14.48
	20	207.6	114.2	18.01	107.4	16.91	102.2	15.89	99.7	15.34	95.4	14.86	90.8	13.76
		259.5	114.2	17.87	107.4	16.79	102.2	15.76	99.7	15.21	95.4	14.72	90.8	13.64
		519.0	114.2	17.33	107.4	16.30	102.2	15.21	99.7	14.72	95.4	14.18	90.8	13.15
		648.8	114.2	17.33	107.4	16.30	102.2	15.21	99.7	14.72	95.4	14.18	90.8	13.15
		778.5	114.2	17.33	107.4	16.30	102.2	15.21	99.7	14.72	95.4	14.18	90.8	13.15
	25	207.6	114.2	15.89	107.4	14.86	102.2	13.64	99.7	13.76	95.4	12.60	90.8	12.18
		259.5	114.2	15.76	107.4	14.72	102.2	13.64	99.7	13.64	95.4	12.60	90.8	12.06
		519.0	114.2	15.21	107.4	14.18	102.2	13.64	99.7	13.15	95.4	12.60	90.8	11.57
		648.8	114.2	15.21	107.4	14.18	102.2	13.15	99.7	13.15	95.4	12.60	90.8	11.57
		778.5	114.2	15.21	107.4	14.18	102.2	12.90	99.7	13.15	95.4	12.60	90.8	11.57
	30	207.6	114.2	14.32	107.4	13.28	102.2	12.74	99.7	12.18	95.4	11.71	90.8	11.17
		259.5	114.2	14.18	107.4	13.15	102.2	12.60	99.7	12.06	95.4	11.57	90.8	11.03
		519.0	114.2	13.64	107.4	12.60	102.2	12.06	99.7	11.57	95.4	11.03	90.8	10.49
		648.8	114.2	13.64	107.4	12.60	102.2	12.06	99.7	11.57	95.4	11.03	90.8	10.49
		778.5	114.2	13.64	107.4	12.60	102.2	12.06	99.7	11.57	95.4	11.03	90.8	10.49
	35	207.6	114.2	12.60	107.4	12.18	102.2	11.03	99.7	11.17	95.4	10.61	90.8	10.13
		259.5	114.2	12.60	107.4	12.06	102.2	11.03	99.7	11.03	95.4	10.49	90.8	10.00
		519.0	114.2	12.60	107.4	11.57	102.2	11.03	99.7	10.49	95.4	10.00	90.8	9.45
		648.8	114.2	12.60	107.4	11.57	102.2	10.49	99.7	10.49	95.4	10.00	90.8	9.45
		778.5	114.2	12.60	107.4	11.57	102.2	10.21	99.7	10.49	95.4	10.00	90.8	9.45
	40	207.6	114.2	11.57	107.4	11.17	102.2	10.00	99.7	10.13	95.4	9.59	90.8	8.91
		259.5	114.2	11.57	107.4	11.03	102.2	10.00	99.7	10.00	95.4	9.45	90.8	8.91
		519.0	114.2	11.57	107.4	10.49	102.2	10.00	99.7	9.45	95.4	8.91	90.8	8.91
		648.8	114.2	11.57	107.4	10.49	102.2	10.00	99.7	9.45	95.4	8.91	90.8	8.91
		778.5	114.2	11.57	107.4	10.49	102.2	10.00	99.7	9.45	95.4	8.91	90.8	8.91
	45	207.6	114.2	10.49	107.4	10.13	102.2	8.91	99.7	9.03	95.4	8.56	90.8	7.74
		259.5	114.2	10.49	107.4	10.00	102.2	8.91	99.7	8.91	95.4	8.42	90.8	7.88
		519.0	114.2	10.49	107.4	9.45	102.2	8.91	99.7	8.42	95.4	7.88	90.8	8.42
		648.8	114.2	10.49	107.4	9.45	102.2	9.45	99.7	8.42	95.4	7.88	90.8	8.42
		778.5	114.2	10.49	107.4	9.45	102.2	9.73	99.7	8.42	95.4	7.88	90.8	8.42
50	-5	207.6	38.1	12.29	35.8	11.64	33.8	11.01	33.3	10.41	33.2	9.78	32.6	9.26
		259.5	39.4	12.55	37.0	11.90	35.0	11.25	34.5	10.65	34.3	10.00	33.7	9.45
		519.0	44.5	13.58	41.8	12.93	39.6	12.17	39.1	11.57	38.9	10.87	38.1	10.21
		648.8	49.2	14.67	46.2	13.91	43.7	13.15	43.2	12.50	42.9	11.68	42.2	11.03
		778.5	51.6	15.22	48.4	14.40	45.7	13.64	45.3	12.96	44.9	12.09	44.3	11.44
	0	207.6	68.0	18.00	62.9	17.07	58.5	16.08	57.2	15.27	56.4	14.36	54.4	13.54
		259.5	68.4	18.04	63.3	17.11	58.9	16.14	57.6	15.32	56.8	14.40	54.7	13.58
		519.0	69.9	18.20	64.7	17.28	60.3	16.35	59.0	15.54	58.2	14.56	56.0	13.74
		648.8	71.0	18.20	65.7	17.28	61.1	16.35	60.0	15.54	59.0	14.56	57.0	13.74
		778.5	71.6	18.20	66.1	17.28	61.5	16.35	60.4	15.54	59.4	14.56	57.4	13.74
	5	207.6	93.9	19.57	89.1	18.54	84.9	17.51	82.9	16.65	79.3	15.63	75.6	14.69
		259.5	94.1	19.67	89.2	18.63	85.0	17.60	82.9	16.73	79.3	15.70	75.6	14.78
		519.0	94.9	20.05	89.9	19.01	85.1	17.98	82.9	17.06	79.3	15.97	75.6	15.10
		648.8	94.9	20.21	89.7	19.18	85.1	18.09	82.9	17.17	79.3	16.14	75.6	15.21
		778.5	94.9	20.29	89.6	19.26	85.1	18.15	82.9	17.22	79.3	16.22	75.6	15.27

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(54HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	207.6	94.5	18.01	89.3	16.96	84.9	15.95	82.9	15.24	79.3	14.08	75.6	13.45
		259.5	94.6	17.98	89.4	16.95	85.0	15.92	82.9	15.21	79.3	14.13	75.6	13.42
		519.0	94.9	17.87	89.9	16.90	85.1	15.81	82.9	15.10	79.3	14.29	75.6	13.31
		648.8	94.9	17.98	89.7	16.95	85.1	15.86	82.9	15.16	79.3	14.07	75.6	13.36
		778.5	94.9	18.04	89.6	16.98	85.1	15.89	82.9	15.18	79.3	13.96	75.6	13.39
	15	207.6	94.9	16.44	89.7	15.34	85.1	14.32	82.9	13.76	79.3	12.60	75.6	12.18
		259.5	94.9	16.30	89.7	15.21	85.1	14.18	82.9	13.64	79.3	12.60	75.6	12.06
		519.0	94.9	15.76	89.7	14.72	85.1	13.64	82.9	13.15	79.3	12.60	75.6	11.57
		648.8	94.9	15.76	89.7	14.72	85.1	13.64	82.9	13.15	79.3	12.06	75.6	11.57
		778.5	94.9	15.76	89.7	14.72	85.1	13.64	82.9	13.15	79.3	11.79	75.6	11.57
	20	207.6	94.9	14.32	89.7	13.28	85.1	12.74	82.9	12.18	79.3	11.71	75.6	10.49
		259.5	94.9	14.18	89.7	13.15	85.1	12.60	82.9	12.06	79.3	11.57	75.6	10.49
		519.0	94.9	13.64	89.7	12.60	85.1	12.06	82.9	11.57	79.3	11.03	75.6	10.49
		648.8	94.9	13.64	89.7	12.60	85.1	12.06	82.9	11.57	79.3	11.03	75.6	10.49
		778.5	94.9	13.64	89.7	12.60	85.1	12.06	82.9	11.57	79.3	11.03	75.6	10.49
	25	207.6	94.9	12.74	89.7	11.57	85.1	11.17	82.9	10.49	79.3	10.00	75.6	9.45
		259.5	94.9	12.60	89.7	11.57	85.1	11.03	82.9	10.49	79.3	10.00	75.6	9.45
		519.0	94.9	12.06	89.7	11.57	85.1	10.49	82.9	10.49	79.3	10.00	75.6	9.45
		648.8	94.9	12.06	89.7	11.57	85.1	10.49	82.9	10.49	79.3	10.00	75.6	9.45
		778.5	94.9	12.06	89.7	11.57	85.1	10.49	82.9	10.49	79.3	10.00	75.6	9.45
	30	207.6	94.9	11.71	89.7	10.61	85.1	10.13	82.9	9.45	79.3	9.59	75.6	9.03
		259.5	94.9	11.57	89.7	10.49	85.1	10.00	82.9	9.45	79.3	9.45	75.6	8.91
		519.0	94.9	11.03	89.7	10.00	85.1	9.45	82.9	9.45	79.3	8.91	75.6	8.42
		648.8	94.9	11.03	89.7	10.00	85.1	9.45	82.9	9.45	79.3	8.91	75.6	8.42
		778.5	94.9	11.03	89.7	10.00	85.1	9.45	82.9	9.45	79.3	8.91	75.6	8.42
	35	207.6	94.9	10.61	89.7	9.45	85.1	8.91	82.9	9.03	79.3	8.42	75.6	7.88
		259.5	94.9	10.49	89.7	9.45	85.1	8.91	82.9	8.91	79.3	8.42	75.6	7.88
		519.0	94.9	10.00	89.7	9.45	85.1	8.91	82.9	8.42	79.3	8.42	75.6	7.88
		648.8	94.9	10.00	89.7	9.45	85.1	8.91	82.9	8.42	79.3	8.42	75.6	7.88
		778.5	94.9	10.00	89.7	9.45	85.1	8.91	82.9	8.42	79.3	8.42	75.6	7.88
	40	207.6	94.9	9.59	89.7	9.03	85.1	8.56	82.9	7.88	79.3	8.01	75.6	7.33
		259.5	94.9	9.45	89.7	8.91	85.1	8.42	82.9	7.88	79.3	7.88	75.6	7.33
		519.0	94.9	8.91	89.7	8.42	85.1	7.88	82.9	7.88	79.3	7.33	75.6	7.33
		648.8	94.9	8.91	89.7	8.42	85.1	7.88	82.9	7.88	79.3	7.33	75.6	7.33
		778.5	94.9	8.91	89.7	8.42	85.1	7.88	82.9	7.88	79.3	7.33	75.6	7.33
	45	207.6	94.9	8.56	89.7	8.70	85.1	8.14	82.9	6.72	79.3	7.59	75.6	6.85
		259.5	94.9	8.42	89.7	8.42	85.1	7.88	82.9	6.85	79.3	7.33	75.6	6.85
		519.0	94.9	7.88	89.7	7.33	85.1	6.85	82.9	7.33	79.3	6.30	75.6	6.85
		648.8	94.9	7.88	89.7	7.33	85.1	6.85	82.9	7.33	79.3	6.30	75.6	6.85
		778.5	94.9	7.88	89.7	7.33	85.1	6.85	82.9	7.33	79.3	6.30	75.6	6.85

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(56HP)

ARWN560LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	215.2	83.5	33.44	82.8	31.48	82.3	29.31	81.2	28.44	82.2	27.70	79.9	24.84
		269.0	86.3	34.02	85.7	32.10	85.2	29.95	84.0	29.07	85.0	28.30	82.7	25.38
		538.0	97.6	36.33	96.8	34.52	96.3	32.48	95.0	31.54	96.2	30.66	93.7	27.53
		672.5	108.0	38.65	107.0	36.88	106.3	35.01	105.0	34.08	106.3	33.09	103.5	29.67
		807.0	113.2	39.81	112.1	38.08	111.4	36.29	110.1	35.35	111.5	34.31	108.5	30.75
	0	215.2	149.1	45.73	145.7	44.37	142.6	42.93	139.5	41.71	140.0	40.57	133.6	36.33
		269.0	150.0	45.86	146.5	44.48	143.4	43.05	140.3	41.84	140.8	40.68	134.4	36.44
		538.0	153.6	46.35	149.8	44.92	146.7	43.55	143.6	42.33	144.1	41.12	137.7	36.88
		672.5	155.9	46.35	152.1	44.92	149.0	43.55	145.7	42.33	146.2	41.12	139.6	36.88
		807.0	157.0	46.35	153.3	44.92	150.2	43.55	146.8	42.33	147.3	41.12	140.6	36.88
	5	215.2	214.7	49.16	211.5	47.95	207.0	46.72	201.8	45.40	196.4	44.15	185.6	39.54
		269.0	215.5	49.38	211.8	48.17	207.1	46.96	201.8	45.64	196.4	44.37	185.6	39.75
		538.0	218.4	50.26	213.3	49.05	207.2	47.90	201.8	46.57	196.4	45.25	185.6	40.57
		672.5	219.7	50.59	214.0	49.38	207.2	48.23	201.8	46.90	196.4	45.58	185.6	40.85
		807.0	220.4	50.76	214.3	49.55	207.2	48.39	201.8	47.07	196.4	45.75	185.6	40.99
	10	215.2	215.0	44.73	211.5	43.23	206.4	42.42	201.0	41.47	195.7	40.05	184.8	36.14
		269.0	216.3	44.65	212.5	43.27	207.2	42.50	201.8	41.45	196.4	40.02	185.6	36.11
		538.0	221.4	44.32	216.4	43.44	210.5	42.83	205.1	41.40	199.4	39.91	188.5	36.00
		672.5	222.5	44.92	217.9	44.04	211.8	43.00	206.1	41.56	200.7	40.57	189.7	37.71
		807.0	223.1	45.23	218.7	44.35	212.5	43.08	206.6	41.65	201.3	40.91	190.3	38.57
	15	215.2	215.3	40.32	211.5	38.59	205.6	38.18	200.2	37.55	194.9	35.95	184.1	32.76
		269.0	217.1	39.91	213.2	38.43	207.2	38.10	201.8	37.27	196.4	35.67	185.6	32.48
		538.0	224.2	38.32	219.6	37.77	213.8	37.77	208.4	36.17	202.3	34.57	191.5	31.38
		672.5	225.3	39.25	221.7	38.65	216.4	37.77	210.5	36.17	205.1	35.56	193.8	34.57
		807.0	225.9	39.72	222.8	39.09	217.8	37.77	211.6	36.17	206.5	36.06	195.0	36.18
	20	215.2	223.5	36.98	219.4	35.26	213.6	34.49	207.7	33.39	201.7	32.64	189.7	31.64
		269.0	225.3	36.72	221.2	35.23	215.3	34.46	209.4	33.53	203.5	32.87	191.5	31.38
		538.0	232.4	35.67	228.3	35.12	221.9	34.35	215.9	34.08	210.5	33.75	198.6	30.33
		672.5	233.3	35.67	229.9	35.12	224.5	34.57	218.1	34.08	212.2	33.75	200.2	32.26
		807.0	233.8	35.67	230.7	35.12	225.8	34.68	219.2	34.08	213.0	33.75	201.0	33.23
	25	215.2	236.0	35.26	229.9	34.24	224.5	33.67	220.2	33.10	215.3	32.62	203.0	30.47
		269.0	236.0	35.12	229.9	34.19	224.5	33.53	220.2	32.98	215.3	32.48	203.0	30.33
		538.0	236.0	34.57	229.9	33.97	224.5	32.98	220.2	32.48	215.3	31.93	203.0	29.78
		672.5	236.0	34.08	229.9	33.09	224.5	32.48	220.2	31.93	215.3	31.38	203.0	29.29
		807.0	236.0	33.83	229.9	32.64	224.5	32.23	220.2	31.65	215.3	31.10	203.0	29.04
	30	215.2	236.0	34.36	229.9	32.65	224.5	32.34	220.2	31.50	215.3	31.16	203.0	29.00
		269.0	236.0	34.08	229.9	32.59	224.5	32.15	220.2	31.38	215.3	30.88	203.0	28.74
		538.0	236.0	32.98	229.9	32.37	224.5	31.38	220.2	30.88	215.3	29.78	203.0	27.69
		672.5	236.0	32.48	229.9	31.49	224.5	30.88	220.2	30.33	215.3	29.78	203.0	27.69
		807.0	236.0	32.23	229.9	31.05	224.5	30.63	220.2	30.06	215.3	29.78	203.0	27.69
	35	215.2	236.0	32.76	229.9	31.67	224.5	31.02	220.2	29.91	215.3	28.88	203.0	26.85
		269.0	236.0	32.48	229.9	31.49	224.5	30.88	220.2	29.78	215.3	28.74	203.0	26.59
		538.0	236.0	31.38	229.9	30.77	224.5	30.33	220.2	29.29	215.3	28.19	203.0	25.54
		672.5	236.0	31.38	229.9	30.44	224.5	29.78	220.2	28.74	215.3	27.69	203.0	25.54
		807.0	236.0	31.38	229.9	30.28	224.5	29.51	220.2	28.46	215.3	27.44	203.0	25.54
	40	215.2	236.0	31.64	229.9	30.64	224.5	30.05	220.2	29.00	215.3	27.97	203.0	25.26
		269.0	236.0	31.38	229.9	30.44	224.5	29.78	220.2	28.74	215.3	27.69	203.0	24.99
		538.0	236.0	30.33	229.9	29.67	224.5	28.74	220.2	27.69	215.3	26.59	203.0	23.95
		672.5	236.0	29.78	229.9	29.18	224.5	28.74	220.2	27.69	215.3	26.59	203.0	23.95
		807.0	236.0	29.51	229.9	28.93	224.5	28.74	220.2	27.69	215.3	26.59	203.0	23.95
	45	215.2	236.0	30.60	229.9	29.59	224.5	29.14	220.2	28.09	215.3	26.99	203.0	23.66
		269.0	236.0	30.33	229.9	29.40	224.5	28.74	220.2	27.69	215.3	26.59	203.0	23.40
		538.0	236.0	29.29	229.9	28.63	224.5	27.14	220.2	26.09	215.3	24.99	203.0	22.35
		672.5	236.0	28.19	229.9	27.91	224.5	27.69	220.2	26.59	215.3	25.54	203.0	22.35
		807.0	236.0	27.63	229.9	27.55	224.5	27.97	220.2	26.84	215.3	25.82	203.0	22.35
120	-5	215.2	79.3	33.44	78.7	31.48	78.2	29.31	77.3	28.07	77.9	27.26	75.8	24.40
		269.0	82.0	34.02	81.4	32.10	80.9	29.95	79.9	28.68	80.6	27.86	78.4	24.94
		538.0	92.9	36.33	92.1	34.52	91.6	32.48	90.4	31.10	91.2	30.22	88.8	27.09
		672.5	102.6	38.65	101.7	36.88	101.1	35.01	99.9	33.58	100.8	32.59	98.0	29.18
		807.0	107.4	39.81	106.6	38.08	105.9	36.29	104.7	34.83	105.5	33.78	102.6	30.23
	0	215.2	141.8	45.73	138.3	44.37	135.4	42.93	132.6	41.11	132.6	39.97	126.5	35.73
		269.0	142.6	45.86	139.2	44.48	136.2	43.05	133.4	41.23	133.4	40.08	127.3	35.84
		538.0	145.9	46.35	142.4	44.92	139.5	43.55	136.5	41.73	136.5	40.52	130.5	36.28
		672.5	148.2	46.35	144.7	44.92	141.6	43.55	138.7	41.73	138.5	40.52	132.4	36.28
		807.0	149.3	46.35	145.9	44.92	142.7	43.55	139.7	41.73	139.5	40.52	133.4	36.28

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	215.2	204.4	49.16	201.3	47.95	196.9	46.72	192.2	44.74	186.1	43.49	175.9	38.95
		269.0	205.1	49.38	201.7	48.17	196.9	46.96	192.2	44.98	186.1	43.71	175.9	39.14
		538.0	208.1	50.26	203.1	49.05	196.9	47.90	192.2	45.91	186.1	44.59	175.9	39.91
		672.5	209.2	50.59	202.0	49.38	196.9	48.23	192.2	46.24	186.1	44.92	175.9	40.19
		807.0	209.8	50.76	201.4	49.55	196.9	48.39	192.2	46.41	186.1	45.09	175.9	40.33
	10	215.2	205.1	44.16	201.3	42.94	196.4	42.07	191.6	40.79	185.6	39.44	175.5	35.47
		269.0	206.1	44.32	202.2	43.11	196.9	42.22	192.2	40.85	186.1	39.42	175.9	35.51
		538.0	209.9	44.92	205.4	43.77	199.0	42.83	194.3	41.07	188.1	39.31	177.7	35.67
		672.5	211.0	44.76	204.8	43.77	199.9	43.00	195.1	41.23	188.9	39.47	178.5	36.88
		807.0	211.6	44.67	204.5	43.77	200.3	43.08	195.5	41.32	189.3	39.56	178.9	37.49
	15	215.2	205.7	39.17	201.6	38.01	195.8	37.42	191.1	36.86	185.1	35.39	175.0	32.07
		269.0	206.9	39.25	202.8	38.10	196.9	37.49	192.2	36.72	186.1	35.12	175.9	31.93
		538.0	211.7	39.58	207.7	38.43	201.3	37.77	196.4	36.17	189.9	34.08	179.7	31.38
		672.5	212.8	38.98	207.6	38.10	203.0	37.77	198.1	36.17	191.5	34.08	181.3	33.53
		807.0	213.4	38.67	207.5	37.93	203.8	37.77	198.9	36.17	192.3	34.08	182.1	34.61
	20	215.2	211.5	35.23	207.5	33.73	201.2	32.84	195.7	32.36	189.3	31.96	179.1	30.33
		269.0	212.8	35.23	208.7	33.86	202.3	32.98	196.9	32.48	190.5	31.93	180.2	30.22
		538.0	218.2	35.23	213.6	34.35	206.8	33.53	201.8	32.98	195.3	31.82	184.4	29.78
		672.5	219.2	34.90	213.5	34.08	208.4	33.53	203.0	32.98	196.4	31.93	185.6	30.88
		807.0	219.7	34.74	213.4	33.94	209.2	33.53	203.6	32.98	197.0	31.99	186.2	31.44
	25	215.2	221.7	33.32	215.3	31.77	208.4	31.16	204.0	30.47	198.6	29.91	187.7	27.83
		269.0	221.9	33.20	215.3	31.71	208.4	31.10	204.0	30.33	198.6	29.78	187.7	27.69
		538.0	222.3	32.70	215.3	31.49	208.4	30.88	204.0	29.78	198.6	29.29	187.7	27.14
		672.5	223.0	31.49	215.3	30.66	208.4	30.33	204.0	29.78	198.6	28.74	187.7	27.14
		807.0	223.3	30.88	215.3	30.25	208.4	30.06	204.0	29.78	198.6	28.46	187.7	27.14
	30	215.2	223.0	31.86	215.3	30.29	208.4	29.43	204.0	28.31	198.6	27.97	187.7	25.68
		269.0	223.0	31.60	215.3	30.11	208.4	29.29	204.0	28.19	198.6	27.69	187.7	25.54
		538.0	223.0	30.55	215.3	29.40	208.4	28.74	204.0	27.69	198.6	26.59	187.7	24.99
		672.5	223.0	29.56	215.3	28.74	208.4	28.19	204.0	27.69	198.6	26.59	187.7	24.50
		807.0	223.0	29.06	215.3	28.40	208.4	27.91	204.0	27.69	198.6	26.59	187.7	24.25
	35	215.2	223.0	30.43	215.3	28.78	208.4	27.97	204.0	26.85	198.6	25.81	187.7	23.52
		269.0	223.0	30.00	215.3	28.52	208.4	27.69	204.0	26.59	198.6	25.54	187.7	23.40
		538.0	223.0	28.30	215.3	27.47	208.4	26.59	204.0	25.54	198.6	24.50	187.7	22.90
		672.5	223.0	27.97	215.3	27.25	208.4	26.59	204.0	25.54	198.6	24.50	187.7	22.35
		807.0	223.0	27.80	215.3	27.14	208.4	26.59	204.0	25.54	198.6	24.50	187.7	22.07
	40	215.2	223.0	29.53	215.3	27.46	208.4	26.37	204.0	25.26	198.6	24.21	187.7	21.93
		269.0	223.0	28.96	215.3	27.14	208.4	26.09	204.0	24.99	198.6	23.95	187.7	21.80
		538.0	223.0	26.70	215.3	25.87	208.4	24.99	204.0	23.95	198.6	22.90	187.7	21.31
		672.5	223.0	26.37	215.3	25.54	208.4	24.99	204.0	23.95	198.6	22.90	187.7	20.75
		807.0	223.0	26.20	215.3	25.38	208.4	24.99	204.0	23.95	198.6	22.90	187.7	20.48
	45	215.2	223.0	28.62	215.3	26.14	208.4	24.78	204.0	23.66	198.6	22.62	187.7	20.33
		269.0	223.0	27.91	215.3	25.76	208.4	24.50	204.0	23.40	198.6	22.35	187.7	20.20
		538.0	223.0	25.10	215.3	24.28	208.4	23.40	204.0	22.35	198.6	21.31	187.7	19.71
		672.5	223.0	24.77	215.3	23.84	208.4	23.40	204.0	22.35	198.6	21.31	187.7	19.16
		807.0	223.0	24.61	215.3	23.62	208.4	23.40	204.0	22.35	198.6	21.31	187.7	18.88
110	-5	215.2	75.0	33.88	74.6	31.48	74.1	29.31	73.3	28.07	73.5	27.26	71.8	24.40
		269.0	77.6	34.46	77.1	32.10	76.6	29.95	75.8	28.68	76.0	27.86	74.3	24.94
		538.0	87.8	36.77	87.3	34.52	86.8	32.48	85.8	31.10	85.8	30.22	84.2	27.09
		672.5	97.0	39.14	96.3	36.88	95.8	35.01	94.8	33.58	94.8	32.59	92.9	29.18
		807.0	101.6	40.33	100.9	38.08	100.4	36.29	99.4	34.83	99.4	33.78	97.3	30.23
	0	215.2	134.1	46.35	131.1	44.37	128.4	42.93	125.9	41.11	124.8	39.97	120.1	35.73
		269.0	134.9	46.46	131.9	44.48	129.1	43.05	126.7	41.23	125.5	40.08	120.8	35.84
		538.0	138.0	46.90	135.0	44.92	132.1	43.55	129.6	41.73	128.5	40.52	123.6	36.28
		672.5	140.1	46.90	137.2	44.92	134.2	43.55	131.6	41.73	130.5	40.52	125.4	36.28
		807.0	141.2	46.90	138.3	44.92	135.3	43.55	132.6	41.73	131.4	40.52	126.3	36.28
	5	215.2	195.6	49.82	191.0	47.95	186.5	46.72	182.3	44.74	175.3	43.49	166.7	38.95
		269.0	196.3	50.04	191.3	48.17	186.6	46.96	182.3	44.98	175.3	43.71	166.7	39.14
		538.0	198.9	50.92	192.8	49.05	186.7	47.90	182.3	45.91	175.3	44.59	166.7	39.91
		672.5	200.0	51.25	193.3	49.38	186.7	48.23	182.3	46.24	175.3	44.92	166.7	40.19
		807.0	200.6	51.42	193.5	49.55	186.7	48.39	182.3	46.41	175.3	45.09	166.7	40.33
	10	215.2	196.3	44.67	191.5	43.15	186.3	42.21	182.0	40.79	175.0	39.44	166.5	35.47
		269.0	197.1	44.76	192.0	43.27	186.6	42.33	182.3	40.85	175.3	39.42	166.7	35.51
		538.0	200.0	45.09	194.0	43.77	187.7	42.83	183.5	41.07	176.4	39.31	167.5	35.67
		672.5	201.2	45.09	194.8	43.77	188.4	42.72	183.8	40.96	176.7	39.47	168.0	36.06
		807.0	201.8	45.09	195.2	43.77	188.7	42.66	183.9	40.90	176.9	39.56	168.3	36.25

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	215.2	196.9	39.53	191.8	38.43	186.2	37.77	181.8	36.86	174.7	35.39	166.3	32.07
		269.0	197.7	39.47	192.5	38.43	186.7	37.77	182.3	36.72	175.3	35.12	166.7	31.93
		538.0	201.0	39.25	195.3	38.43	188.9	37.77	184.4	36.17	177.5	34.08	168.4	31.38
		672.5	202.2	38.98	196.3	38.10	189.9	37.27	185.1	35.67	178.0	34.08	169.3	31.93
		807.0	202.7	38.84	196.8	37.93	190.4	37.02	185.4	35.42	178.3	34.08	169.8	32.21
	20	215.2	200.6	34.12	195.1	33.31	188.8	32.48	183.7	31.93	177.0	31.02	167.7	29.01
		269.0	201.7	34.19	195.8	33.31	189.4	32.48	184.4	31.93	177.5	30.88	168.4	28.96
		538.0	205.9	34.46	198.4	33.31	191.5	32.48	187.2	31.93	179.7	30.33	171.0	28.74
		672.5	207.1	34.46	200.0	33.31	192.6	32.48	187.7	31.38	180.7	30.33	171.5	28.74
		807.0	207.7	34.46	200.9	33.31	193.2	32.48	188.0	31.10	181.2	30.33	171.7	28.74
	25	215.2	206.8	31.05	200.7	29.91	192.6	29.43	188.4	28.31	181.8	27.28	172.1	24.99
		269.0	207.2	30.99	200.7	29.78	192.6	29.29	188.4	28.19	181.8	27.14	172.1	24.99
		538.0	208.9	30.77	200.7	29.29	192.6	28.74	188.4	27.69	181.8	26.59	172.1	24.99
		672.5	209.9	30.77	200.7	29.40	192.6	28.19	188.4	27.69	181.8	26.09	172.1	24.50
		807.0	210.4	30.77	200.7	29.45	192.6	27.91	188.4	27.69	181.8	25.84	172.1	24.25
	30	215.2	209.9	28.31	200.7	27.28	192.6	26.23	188.4	25.68	181.8	24.09	172.1	22.49
		269.0	209.9	28.19	200.7	27.14	192.6	26.09	188.4	25.54	181.8	23.95	172.1	22.35
		538.0	209.9	27.69	200.7	26.59	192.6	25.54	188.4	24.99	181.8	23.40	172.1	21.80
		672.5	209.9	27.47	200.7	26.09	192.6	24.99	188.4	24.50	181.8	23.40	172.1	21.80
		807.0	209.9	27.36	200.7	25.84	192.6	24.72	188.4	24.25	181.8	23.40	172.1	21.80
	35	215.2	209.9	26.85	200.7	25.12	192.6	24.09	188.4	23.04	181.8	21.93	172.1	20.33
		269.0	209.9	26.59	200.7	24.99	192.6	23.95	188.4	22.90	181.8	21.80	172.1	20.20
		538.0	209.9	25.54	200.7	24.50	192.6	23.40	188.4	22.35	181.8	21.31	172.1	19.71
		672.5	209.9	24.88	200.7	23.95	192.6	22.90	188.4	22.35	181.8	21.31	172.1	19.71
		807.0	209.9	24.55	200.7	23.67	192.6	22.65	188.4	22.35	181.8	21.31	172.1	19.71
	40	215.2	209.9	25.26	200.7	24.21	192.6	22.62	188.4	21.44	181.8	20.33	172.1	18.73
		269.0	209.9	24.99	200.7	23.95	192.6	22.35	188.4	21.31	181.8	20.20	172.1	18.61
		538.0	209.9	23.95	200.7	22.90	192.6	21.31	188.4	20.75	181.8	19.71	172.1	18.11
		672.5	209.9	23.62	200.7	22.35	192.6	21.31	188.4	20.20	181.8	19.16	172.1	17.56
		807.0	209.9	23.45	200.7	22.07	192.6	21.31	188.4	19.93	181.8	18.88	172.1	17.28
	45	215.2	209.9	23.66	200.7	23.30	192.6	21.16	188.4	19.85	181.8	18.73	172.1	17.14
		269.0	209.9	23.40	200.7	22.90	192.6	20.75	188.4	19.71	181.8	18.61	172.1	17.01
		538.0	209.9	22.35	200.7	21.31	192.6	19.16	188.4	19.16	181.8	18.11	172.1	16.52
		672.5	209.9	22.35	200.7	20.75	192.6	19.71	188.4	18.11	181.8	17.01	172.1	15.41
		807.0	209.9	22.35	200.7	20.48	192.6	19.99	188.4	17.58	181.8	16.46	172.1	14.86
100	-5	215.2	70.9	33.88	70.4	31.92	70.1	29.31	69.5	28.07	68.9	26.82	67.5	24.40
		269.0	73.3	34.46	72.9	32.54	72.5	29.95	71.9	28.68	71.2	27.42	69.9	24.94
		538.0	83.0	36.77	82.5	34.96	82.0	32.48	81.2	31.10	80.6	29.78	79.3	27.09
		672.5	91.7	39.14	91.1	37.38	90.6	35.01	89.8	33.58	89.1	32.10	87.5	29.18
		807.0	96.1	40.33	95.4	38.60	94.9	36.29	94.1	34.83	93.4	33.26	91.6	30.23
	0	215.2	126.8	46.35	124.0	44.98	121.4	42.93	119.2	41.11	117.1	39.36	113.1	35.73
		269.0	127.5	46.46	124.7	45.09	122.1	43.05	120.0	41.23	117.8	39.47	113.7	35.84
		538.0	130.5	46.90	127.7	45.53	124.9	43.55	122.7	41.73	120.6	39.91	116.3	36.28
		672.5	132.4	46.90	129.6	45.53	126.8	43.55	124.5	41.73	122.4	39.91	118.1	36.28
		807.0	133.4	46.90	130.6	45.53	127.8	43.55	125.5	41.73	123.3	39.91	119.1	36.28
	5	215.2	187.1	49.82	180.8	48.61	176.2	46.72	172.6	44.74	164.4	42.83	156.9	38.95
		269.0	187.7	50.04	181.2	48.83	176.2	46.96	172.6	44.98	164.4	43.05	156.9	39.14
		538.0	190.3	50.92	182.5	49.71	176.4	47.90	172.6	45.91	164.4	43.93	156.9	39.91
		672.5	191.5	51.25	183.0	50.04	176.4	48.23	172.6	46.24	164.4	44.21	156.9	40.19
		807.0	192.1	51.42	183.2	50.21	176.4	48.39	172.6	46.41	164.4	44.35	156.9	40.33
	10	215.2	188.1	44.55	181.4	43.57	176.4	42.21	172.6	40.79	164.4	38.77	156.9	35.47
		269.0	188.5	44.76	181.7	43.71	176.4	42.33	172.6	40.85	164.4	38.81	156.9	35.51
		538.0	190.3	45.58	182.6	44.26	176.4	42.83	172.6	41.07	164.4	38.98	156.9	35.67
		672.5	191.7	45.42	183.5	44.26	176.4	42.72	172.6	40.96	164.4	38.87	156.9	35.51
		807.0	192.3	45.33	183.9	44.26	176.4	42.66	172.6	40.90	164.4	38.81	156.9	35.43
	15	215.2	189.1	39.28	182.2	38.62	176.4	37.77	172.6	36.86	164.4	34.70	156.9	32.07
		269.0	189.4	39.47	182.3	38.65	176.4	37.77	172.6	36.72	164.4	34.57	156.9	31.93
		538.0	190.3	40.24	182.8	38.76	176.4	37.77	172.6	36.17	164.4	34.08	156.9	31.38
		672.5	192.0	39.58	183.8	38.43	176.4	37.27	172.6	35.67	164.4	33.53	156.9	30.88
		807.0	192.8	39.25	184.3	38.26	176.4	37.02	172.6	35.42	164.4	33.25	156.9	30.63
	20	215.2	190.1	33.59	183.2	32.73	176.4	31.93	172.6	31.50	164.4	29.43	156.9	27.97
		269.0	190.8	33.75	183.3	32.76	176.4	31.93	172.6	31.38	164.4	29.29	156.9	27.69
		538.0	193.6	34.35	183.8	32.87	176.4	31.93	172.6	30.88	164.4	28.74	156.9	26.59
		672.5	194.8	33.75	185.4	32.59	176.4	31.38	172.6	30.33	164.4	28.19	156.9	26.09
		807.0	195.4	33.44	186.3	32.45	176.4	31.10	172.6	30.06	164.4	27.91	156.9	25.84

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	215.2	192.4	29.37	186.1	28.45	176.4	27.28	172.6	26.23	164.4	24.64	156.9	22.35
		269.0	193.1	29.40	186.1	28.30	176.4	27.14	172.6	26.09	164.4	24.50	156.9	22.35
		538.0	195.9	29.51	186.1	27.69	176.4	26.59	172.6	25.54	164.4	23.95	156.9	22.35
		672.5	196.9	28.85	186.1	27.47	176.4	26.09	172.6	24.99	164.4	23.95	156.9	21.80
		807.0	197.4	28.51	186.1	27.36	176.4	25.84	172.6	24.72	164.4	23.95	156.9	21.52
	30	215.2	196.9	26.72	186.1	24.64	176.4	22.96	172.6	22.49	164.4	20.75	156.9	19.85
		269.0	196.9	26.59	186.1	24.50	176.4	22.90	172.6	22.35	164.4	20.75	156.9	19.71
		538.0	196.9	26.09	186.1	23.95	176.4	22.68	172.6	21.80	164.4	20.75	156.9	19.16
		672.5	196.9	25.54	186.1	23.95	176.4	22.35	172.6	21.80	164.4	20.20	156.9	19.16
		807.0	196.9	25.27	186.1	23.95	176.4	22.18	172.6	21.80	164.4	19.93	156.9	19.16
	35	215.2	196.9	24.78	186.1	22.62	176.4	20.26	172.6	19.85	164.4	18.73	156.9	17.14
		269.0	196.9	24.50	186.1	22.35	176.4	20.20	172.6	19.71	164.4	18.61	156.9	17.01
		538.0	196.9	23.40	186.1	21.31	176.4	19.98	172.6	19.16	164.4	18.11	156.9	16.52
		672.5	196.9	23.40	186.1	21.31	176.4	19.71	172.6	19.16	164.4	18.11	156.9	16.52
		807.0	196.9	23.40	186.1	21.31	176.4	19.57	172.6	19.16	164.4	18.11	156.9	16.52
	40	215.2	196.9	23.18	186.1	21.02	176.4	18.17	172.6	17.70	164.4	16.65	156.9	15.54
		269.0	196.9	22.90	186.1	20.75	176.4	18.11	172.6	17.56	164.4	16.52	156.9	15.41
		538.0	196.9	21.80	186.1	19.71	176.4	17.89	172.6	17.01	164.4	15.97	156.9	14.92
		672.5	196.9	21.31	186.1	19.71	176.4	17.56	172.6	17.01	164.4	15.97	156.9	14.92
		807.0	196.9	21.06	186.1	19.71	176.4	17.40	172.6	17.01	164.4	15.97	156.9	14.92
	45	215.2	196.9	21.58	186.1	19.42	176.4	16.02	172.6	15.54	164.4	14.51	156.9	13.94
		269.0	196.9	21.31	186.1	19.16	176.4	15.97	172.6	15.41	164.4	14.37	156.9	13.82
		538.0	196.9	20.20	186.1	18.11	176.4	15.74	172.6	14.92	164.4	13.82	156.9	13.32
		672.5	196.9	19.16	186.1	18.11	176.4	15.41	172.6	14.92	164.4	13.82	156.9	13.32
		807.0	196.9	18.63	186.1	18.11	176.4	15.25	172.6	14.92	164.4	13.82	156.9	13.32
90	-5	215.2	66.9	31.44	64.9	28.64	63.0	25.15	62.5	23.97	62.0	23.10	60.9	20.74
		269.0	69.2	31.99	67.1	29.18	65.1	25.71	64.7	24.50	64.2	23.62	63.0	21.19
		538.0	78.4	34.13	76.0	31.32	73.7	27.91	73.2	26.59	72.7	25.65	71.2	23.01
		672.5	86.6	36.28	83.9	33.53	81.4	30.11	80.7	28.68	80.2	27.64	78.8	24.83
		807.0	90.8	37.36	87.8	34.64	85.3	31.22	84.5	29.74	84.0	28.63	82.6	25.74
	0	215.2	119.7	42.83	114.2	40.19	109.0	36.90	107.4	35.19	105.5	33.87	101.6	30.42
		269.0	120.4	42.94	114.9	40.30	109.6	36.99	108.0	35.29	106.2	33.97	102.2	30.50
		538.0	123.2	43.38	117.5	40.74	112.2	37.38	110.4	35.67	108.6	34.35	104.7	30.83
		672.5	125.0	43.38	119.3	40.74	114.0	37.38	112.1	35.67	110.4	34.35	106.3	30.83
		807.0	125.9	43.38	120.2	40.74	115.0	37.38	112.9	35.67	111.3	34.35	107.2	30.83
	5	215.2	169.2	45.98	163.7	43.39	158.5	40.16	155.2	38.29	148.3	36.86	141.3	33.08
		269.0	169.3	46.19	163.6	43.60	158.5	40.35	155.2	38.48	148.3	37.05	141.3	33.25
		538.0	170.0	47.01	163.1	44.43	158.5	41.12	155.2	39.25	148.3	37.82	141.3	33.91
		672.5	171.0	47.29	163.6	44.70	158.5	41.45	155.2	39.53	148.3	38.10	141.3	34.19
		807.0	171.5	47.43	163.8	44.84	158.5	41.62	155.2	39.67	148.3	38.23	141.3	34.33
	10	215.2	170.1	40.60	164.3	38.60	158.5	36.35	155.2	34.86	148.3	33.44	141.3	30.14
		269.0	170.0	40.63	164.1	38.65	158.5	36.39	155.2	34.90	148.3	33.42	141.3	30.17
		538.0	169.7	40.74	163.3	38.81	158.5	36.55	155.2	35.07	148.3	33.31	141.3	30.28
		672.5	170.8	40.63	163.8	38.70	158.5	36.44	155.2	34.96	148.3	33.42	141.3	30.39
		807.0	171.4	40.57	164.0	38.65	158.5	36.39	155.2	34.90	148.3	33.47	141.3	30.44
	15	215.2	170.9	35.15	164.9	33.89	158.5	32.62	155.2	31.50	148.3	30.05	141.3	27.28
		269.0	170.7	35.01	164.6	33.75	158.5	32.48	155.2	31.38	148.3	29.78	141.3	27.14
		538.0	169.5	34.46	163.4	33.20	158.5	31.93	155.2	30.88	148.3	28.74	141.3	26.59
		672.5	170.7	33.97	163.9	32.70	158.5	31.38	155.2	30.33	148.3	28.74	141.3	26.59
		807.0	171.2	33.72	164.2	32.45	158.5	31.10	155.2	30.06	148.3	28.74	141.3	26.59
	20	215.2	172.0	29.67	165.6	28.82	158.5	27.83	155.2	26.72	148.3	25.81	141.3	24.21
		269.0	171.8	29.67	165.2	28.74	158.5	27.69	155.2	26.59	148.3	25.54	141.3	23.95
		538.0	171.1	29.67	163.9	28.41	158.5	27.14	155.2	26.09	148.3	24.50	141.3	22.90
		672.5	171.6	29.18	164.4	28.19	158.5	27.14	155.2	26.09	148.3	24.50	141.3	22.90
		807.0	171.9	28.93	164.7	28.08	158.5	27.14	155.2	26.09	148.3	24.50	141.3	22.90
	25	215.2	174.8	25.93	167.7	24.55	158.5	23.52	155.2	22.35	148.3	21.44	141.3	19.85
		269.0	175.3	25.87	167.7	24.50	158.5	23.40	155.2	22.35	148.3	21.31	141.3	19.71
		538.0	176.9	25.65	167.7	24.28	158.5	22.90	155.2	22.35	148.3	20.75	141.3	19.16
		672.5	177.5	24.99	167.7	23.73	158.5	22.90	155.2	21.80	148.3	20.75	141.3	19.16
		807.0	177.9	24.66	167.7	23.45	158.5	22.90	155.2	21.52	148.3	20.75	141.3	19.16
	30	215.2	177.5	23.52	167.7	21.93	158.5	20.33	155.2	19.85	148.3	18.73	141.3	17.01
		269.0	177.5	23.40	167.7	21.80	158.5	20.20	155.2	19.71	148.3	18.61	141.3	17.01
		538.0	177.5	22.90	167.7	21.31	158.5	19.71	155.2	19.16	148.3	18.11	141.3	17.01
		672.5	177.5	22.35	167.7	20.75	158.5	19.71	155.2	19.16	148.3	18.11	141.3	16.52
		807.0	177.5	22.07	167.7	20.48	158.5	19.71	155.2	19.16	148.3	18.11	141.3	16.27

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	215.2	177.5	21.44	167.7	19.85	158.5	18.25	155.2	17.70	148.3	16.65	141.3	15.54
		269.0	177.5	21.31	167.7	19.71	158.5	18.11	155.2	17.56	148.3	16.52	141.3	15.41
		538.0	177.5	20.75	167.7	19.16	158.5	17.56	155.2	17.01	148.3	15.97	141.3	14.92
		672.5	177.5	20.20	167.7	18.61	158.5	17.01	155.2	16.52	148.3	15.97	141.3	14.92
		807.0	177.5	19.93	167.7	18.33	158.5	16.73	155.2	16.27	148.3	15.97	141.3	14.92
	40	215.2	177.5	19.99	167.7	18.25	158.5	16.10	155.2	15.54	148.3	15.06	141.3	13.94
		269.0	177.5	19.71	167.7	18.11	158.5	15.97	155.2	15.41	148.3	14.92	141.3	13.82
		538.0	177.5	18.61	167.7	17.56	158.5	15.41	155.2	14.92	148.3	14.37	141.3	13.32
		672.5	177.5	18.61	167.7	17.56	158.5	15.41	155.2	14.92	148.3	14.37	141.3	13.32
		807.0	177.5	18.61	167.7	17.56	158.5	15.41	155.2	14.92	148.3	14.37	141.3	13.32
	45	215.2	177.5	18.52	167.7	16.65	158.5	13.94	155.2	13.46	148.3	13.46	141.3	12.35
		269.0	177.5	18.11	167.7	16.52	158.5	13.82	155.2	13.32	148.3	13.32	141.3	12.22
		538.0	177.5	16.52	167.7	15.97	158.5	13.32	155.2	12.77	148.3	12.77	141.3	11.73
		672.5	177.5	17.01	167.7	16.52	158.5	13.82	155.2	13.32	148.3	12.77	141.3	11.73
		807.0	177.5	17.26	167.7	16.79	158.5	14.07	155.2	13.60	148.3	12.77	141.3	11.73
80	-5	215.2	63.3	22.40	59.3	21.55	56.2	20.64	55.5	19.94	55.2	19.02	54.1	17.52
		269.0	65.5	22.90	61.4	22.02	58.1	21.08	57.4	20.37	57.1	19.43	56.0	17.89
		538.0	74.0	24.88	69.4	23.89	65.6	22.85	65.0	22.08	64.7	21.08	63.3	19.38
		672.5	81.9	26.81	76.6	25.76	72.5	24.66	71.7	23.84	71.4	22.74	69.9	20.92
		807.0	85.9	27.78	80.3	26.71	76.0	25.58	75.1	24.73	74.8	23.57	73.2	21.70
	0	215.2	113.0	32.88	104.2	31.56	97.1	30.25	95.3	29.20	93.9	27.83	90.4	25.64
		269.0	113.7	32.98	104.9	31.65	97.6	30.33	95.8	29.29	94.5	27.91	90.9	25.71
		538.0	116.5	33.36	107.3	32.04	99.9	30.66	98.1	29.62	96.8	28.24	93.0	25.98
		672.5	118.1	33.36	109.0	32.04	101.6	30.66	99.6	29.62	98.3	28.24	94.5	25.98
		807.0	119.0	33.36	109.8	32.04	102.4	30.66	100.3	29.62	99.0	28.24	95.3	25.98
	5	215.2	156.4	35.75	147.6	34.41	141.1	32.85	138.0	31.76	132.1	30.29	125.5	27.87
		269.0	156.7	35.95	147.8	34.57	141.1	33.03	138.0	31.93	132.1	30.44	125.5	28.02
		538.0	158.0	36.72	149.0	35.23	141.3	33.75	138.0	32.59	132.1	31.05	125.5	28.63
		672.5	158.0	36.94	148.8	35.51	141.3	33.97	138.0	32.81	132.1	31.27	125.5	28.79
		807.0	158.0	37.05	148.7	35.65	141.3	34.08	138.0	32.92	132.1	31.38	125.5	28.88
	10	215.2	157.2	32.91	148.2	31.42	141.1	29.82	138.0	29.00	132.1	27.46	125.5	25.42
		269.0	157.4	32.87	148.3	31.38	141.1	29.84	138.0	29.01	132.1	27.47	125.5	25.43
		538.0	158.0	32.70	149.0	31.21	141.3	29.89	138.0	29.07	132.1	27.53	125.5	25.49
		672.5	158.0	32.59	148.8	31.32	141.3	30.00	138.0	28.90	132.1	27.36	125.5	25.32
		807.0	158.0	32.54	148.7	31.38	141.3	30.06	138.0	28.82	132.1	27.28	125.5	25.24
	15	215.2	158.0	30.05	148.8	28.45	141.3	26.72	138.0	26.23	132.1	24.64	125.5	23.04
		269.0	158.0	29.78	148.8	28.19	141.3	26.59	138.0	26.09	132.1	24.50	125.5	22.90
		538.0	158.0	28.74	148.8	27.14	141.3	26.09	138.0	25.54	132.1	23.95	125.5	22.35
		672.5	158.0	28.19	148.8	27.14	141.3	26.09	138.0	24.99	132.1	23.40	125.5	21.80
		807.0	158.0	27.91	148.8	27.14	141.3	26.09	138.0	24.72	132.1	23.12	125.5	21.52
	20	215.2	158.0	25.12	148.8	24.09	141.3	22.90	138.0	22.49	132.1	21.44	125.5	19.85
		269.0	158.0	24.99	148.8	23.95	141.3	22.90	138.0	22.35	132.1	21.31	125.5	19.71
		538.0	158.0	24.50	148.8	23.40	141.3	22.90	138.0	21.80	132.1	20.75	125.5	19.16
		672.5	158.0	23.95	148.8	22.90	141.3	22.35	138.0	21.80	132.1	20.20	125.5	19.16
		807.0	158.0	23.67	148.8	22.65	141.3	22.07	138.0	21.80	132.1	19.93	125.5	19.16
	25	215.2	158.0	22.49	148.8	20.89	141.3	19.71	138.0	19.30	132.1	18.25	125.5	17.14
		269.0	158.0	22.35	148.8	20.75	141.3	19.71	138.0	19.16	132.1	18.11	125.5	17.01
		538.0	158.0	21.80	148.8	20.20	141.3	19.71	138.0	18.61	132.1	17.56	125.5	16.52
		672.5	158.0	21.31	148.8	20.20	141.3	19.16	138.0	18.61	132.1	17.56	125.5	16.52
		807.0	158.0	21.06	148.8	20.20	141.3	18.88	138.0	18.61	132.1	17.56	125.5	16.52
	30	215.2	158.0	19.85	148.8	18.73	141.3	17.70	138.0	17.14	132.1	16.10	125.5	15.06
		269.0	158.0	19.71	148.8	18.61	141.3	17.56	138.0	17.01	132.1	15.97	125.5	14.92
		538.0	158.0	19.16	148.8	18.11	141.3	17.01	138.0	16.52	132.1	15.41	125.5	14.37
		672.5	158.0	19.16	148.8	18.11	141.3	17.01	138.0	16.52	132.1	15.41	125.5	14.37
		807.0	158.0	19.16	148.8	18.11	141.3	17.01	138.0	16.52	132.1	15.41	125.5	14.37
	35	215.2	158.0	18.25	148.8	17.14	141.3	15.54	138.0	14.92	132.1	14.51	125.5	13.32
		269.0	158.0	18.11	148.8	17.01	141.3	15.41	138.0	14.92	132.1	14.37	125.5	13.32
		538.0	158.0	17.56	148.8	16.52	141.3	14.92	138.0	14.92	132.1	13.82	125.5	13.32
		672.5	158.0	17.56	148.8	15.97	141.3	14.92	138.0	14.37	132.1	13.82	125.5	12.77
		807.0	158.0	17.56	148.8	15.69	141.3	14.92	138.0	14.09	132.1	13.82	125.5	12.49
	40	215.2	158.0	17.28	148.8	15.54	141.3	13.82	138.0	13.94	132.1	12.77	125.5	12.35
		269.0	158.0	17.01	148.8	15.41	141.3	13.82	138.0	13.82	132.1	12.77	125.5	12.22
		538.0	158.0	15.97	148.8	14.92	141.3	13.82	138.0	13.32	132.1	12.77	125.5	11.73
		672.5	158.0	15.97	148.8	14.92	141.3	13.32	138.0	13.32	132.1	12.77	125.5	11.73
		807.0	158.0	15.97	148.8	14.92	141.3	13.07	138.0	13.32	132.1	12.77	125.5	11.73

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	215.2	158.0	16.37	148.8	13.94	141.3	12.08	138.0	13.04	132.1	11.04	125.5	11.44
		269.0	158.0	15.97	148.8	13.82	141.3	12.22	138.0	12.77	132.1	11.18	125.5	11.18
		538.0	158.0	14.37	148.8	13.32	141.3	12.77	138.0	11.73	132.1	11.73	125.5	10.13
		672.5	158.0	14.37	148.8	13.82	141.3	11.73	138.0	12.22	132.1	11.73	125.5	10.62
		807.0	158.0	14.37	148.8	14.07	141.3	11.20	138.0	12.47	132.1	11.73	125.5	10.87
70	-5	215.2	55.2	19.24	51.9	18.31	49.0	17.72	48.6	16.70	48.2	16.11	47.4	14.65
		269.0	57.1	19.65	53.7	18.72	50.7	18.11	50.2	17.07	49.9	16.46	49.1	14.97
		538.0	64.7	21.31	60.7	20.31	57.3	19.65	56.8	18.50	56.4	17.84	55.5	16.24
		672.5	71.5	23.01	67.1	21.91	63.3	21.19	62.8	19.93	62.4	19.27	61.2	17.51
		807.0	75.0	23.87	70.3	22.72	66.4	21.97	65.9	20.65	65.3	19.99	64.1	18.14
	0	215.2	98.9	28.16	91.4	26.85	84.8	25.96	83.4	24.43	82.0	23.60	79.1	21.47
		269.0	99.4	28.24	91.9	26.92	85.3	26.04	83.9	24.50	82.5	23.67	79.6	21.53
		538.0	101.7	28.57	94.0	27.20	87.3	26.37	85.8	24.77	84.5	23.95	81.4	21.75
		672.5	103.2	28.57	95.5	27.20	88.6	26.37	87.1	24.77	85.8	23.95	82.7	21.75
		807.0	104.0	28.57	96.2	27.20	89.3	26.37	87.8	24.77	86.5	23.95	83.4	21.75
	5	215.2	136.6	30.68	129.4	29.19	123.2	28.25	120.6	26.63	115.2	25.68	109.8	23.33
		269.0	136.9	30.83	129.6	29.34	123.2	28.41	120.6	26.76	115.2	25.82	109.8	23.45
		538.0	138.0	31.43	130.6	29.95	123.4	29.01	120.6	27.25	115.2	26.37	109.8	23.95
		672.5	138.0	31.65	130.5	30.17	123.4	29.23	120.6	27.47	115.2	26.53	109.8	24.11
		807.0	138.0	31.77	130.4	30.28	123.4	29.34	120.6	27.58	115.2	26.62	109.8	24.20
	10	215.2	137.2	28.24	129.8	26.70	123.4	25.71	120.6	24.28	115.2	23.29	109.8	21.31
		269.0	137.3	28.19	130.0	26.65	123.4	25.65	120.6	24.28	115.2	23.29	109.8	21.31
		538.0	138.0	27.97	130.5	26.42	123.4	25.43	120.6	24.28	115.2	23.29	109.8	21.31
		672.5	138.0	28.08	130.5	26.53	123.4	25.54	120.6	24.39	115.2	23.12	109.8	21.36
		807.0	138.0	28.13	130.5	26.59	123.4	25.60	120.6	24.44	115.2	23.04	109.8	21.39
	15	215.2	138.0	25.81	130.5	24.21	123.4	23.18	120.6	21.93	115.2	20.89	109.8	19.30
		269.0	138.0	25.54	130.5	23.95	123.4	22.90	120.6	21.80	115.2	20.75	109.8	19.16
		538.0	138.0	24.50	130.5	22.90	123.4	21.80	120.6	21.31	115.2	20.20	109.8	18.61
		672.5	138.0	24.50	130.5	22.90	123.4	21.80	120.6	21.31	115.2	19.71	109.8	18.61
		807.0	138.0	24.50	130.5	22.90	123.4	21.80	120.6	21.31	115.2	19.46	109.8	18.61
	20	215.2	138.0	21.44	130.5	20.33	123.4	19.85	120.6	19.30	115.2	18.25	109.8	17.14
		269.0	138.0	21.31	130.5	20.20	123.4	19.71	120.6	19.16	115.2	18.11	109.8	17.01
		538.0	138.0	20.75	130.5	19.71	123.4	19.16	120.6	18.61	115.2	17.56	109.8	16.52
		672.5	138.0	20.75	130.5	19.71	123.4	19.16	120.6	18.11	115.2	17.56	109.8	15.97
		807.0	138.0	20.75	130.5	19.71	123.4	19.16	120.6	17.86	115.2	17.56	109.8	15.69
	25	215.2	138.0	19.30	130.5	18.25	123.4	17.14	120.6	16.65	115.2	15.41	109.8	14.37
		269.0	138.0	19.16	130.5	18.11	123.4	17.01	120.6	16.52	115.2	15.41	109.8	14.37
		538.0	138.0	18.61	130.5	17.56	123.4	16.52	120.6	15.97	115.2	15.41	109.8	14.37
		672.5	138.0	18.11	130.5	17.01	123.4	16.52	120.6	15.97	115.2	14.92	109.8	14.37
		807.0	138.0	17.86	130.5	16.73	123.4	16.52	120.6	15.97	115.2	14.67	109.8	14.37
	30	215.2	138.0	17.14	130.5	16.10	123.4	15.06	120.6	14.37	115.2	13.94	109.8	12.77
		269.0	138.0	17.01	130.5	15.97	123.4	14.92	120.6	14.37	115.2	13.82	109.8	12.77
		538.0	138.0	16.52	130.5	15.41	123.4	14.37	120.6	14.37	115.2	13.32	109.8	12.77
		672.5	138.0	16.52	130.5	15.41	123.4	14.37	120.6	13.82	115.2	13.32	109.8	12.77
		807.0	138.0	16.52	130.5	15.41	123.4	14.37	120.6	13.54	115.2	13.32	109.8	12.77
	35	215.2	138.0	15.54	130.5	14.51	123.4	13.32	120.6	13.46	115.2	12.22	109.8	11.87
		269.0	138.0	15.41	130.5	14.37	123.4	13.32	120.6	13.32	115.2	12.22	109.8	11.73
		538.0	138.0	14.92	130.5	13.82	123.4	13.32	120.6	12.77	115.2	12.22	109.8	11.18
		672.5	138.0	14.92	130.5	13.82	123.4	12.77	120.6	12.77	115.2	12.22	109.8	11.18
		807.0	138.0	14.92	130.5	13.82	123.4	12.49	120.6	12.77	115.2	12.22	109.8	11.18
	40	215.2	138.0	14.51	130.5	13.46	123.4	12.35	120.6	11.73	115.2	11.18	109.8	10.75
		269.0	138.0	14.37	130.5	13.32	123.4	12.22	120.6	11.73	115.2	11.18	109.8	10.62
		538.0	138.0	13.82	130.5	12.77	123.4	11.73	120.6	11.73	115.2	11.18	109.8	10.13
		672.5	138.0	13.82	130.5	12.77	123.4	11.73	120.6	11.18	115.2	10.62	109.8	10.13
		807.0	138.0	13.82	130.5	12.77	123.4	11.73	120.6	10.90	115.2	10.35	109.8	10.13
	45	215.2	138.0	13.46	130.5	12.35	123.4	11.44	120.6	10.00	115.2	10.13	109.8	9.72
		269.0	138.0	13.32	130.5	12.22	123.4	11.18	120.6	10.13	115.2	10.13	109.8	9.58
		538.0	138.0	12.77	130.5	11.73	123.4	10.13	120.6	10.62	115.2	10.13	109.8	9.03
		672.5	138.0	12.77	130.5	11.73	123.4	10.62	120.6	9.58	115.2	9.03	109.8	9.03
		807.0	138.0	12.77	130.5	11.73	123.4	10.87	120.6	9.05	115.2	8.47	109.8	9.03
60	-5	215.2	47.4	15.62	44.4	15.03	42.0	14.43	41.5	13.42	41.4	13.20	40.6	11.79
		269.0	49.1	15.97	45.9	15.36	43.5	14.75	43.0	13.71	42.8	13.49	42.0	12.06
		538.0	55.6	17.34	52.0	16.68	49.2	16.02	48.7	14.86	48.6	14.64	47.6	13.10
		672.5	61.4	18.66	57.4	18.00	54.5	17.29	53.8	16.08	53.7	15.80	52.5	14.09
		807.0	64.3	19.33	60.2	18.67	57.1	17.92	56.4	16.69	56.2	16.38	55.0	14.59

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	215.2	84.8	22.89	78.1	22.08	72.9	21.13	71.5	19.65	70.5	19.38	67.9	17.30
		269.0	85.3	22.96	78.6	22.13	73.3	21.19	71.9	19.71	70.9	19.43	68.3	17.34
		538.0	87.3	23.23	80.4	22.35	75.2	21.47	73.5	19.93	72.5	19.65	69.7	17.51
		672.5	88.6	23.23	81.7	22.35	76.3	21.47	74.7	19.93	73.7	19.65	70.9	17.51
		807.0	89.3	23.23	82.4	22.35	76.9	21.47	75.2	19.93	74.3	19.65	71.5	17.51
	5	215.2	117.2	24.92	110.6	23.99	106.0	23.00	103.4	21.41	98.9	21.08	94.2	18.79
		269.0	117.5	25.05	110.8	24.11	106.0	23.12	103.4	21.53	98.9	21.19	94.2	18.88
		538.0	118.5	25.54	111.6	24.61	106.0	23.62	103.4	21.97	98.9	21.64	94.2	19.27
		672.5	118.5	25.76	111.4	24.77	106.0	23.78	103.4	22.13	98.9	21.75	94.2	19.43
		807.0	118.5	25.88	111.3	24.86	106.0	23.87	103.4	22.21	98.9	21.80	94.2	19.52
	10	215.2	117.9	22.90	111.0	21.91	106.0	20.86	103.4	19.49	98.9	19.12	94.2	17.13
		269.0	118.0	22.90	111.1	21.91	106.0	20.86	103.4	19.54	98.9	19.10	94.2	17.18
		538.0	118.5	22.90	111.6	21.91	106.0	20.86	103.4	19.76	98.9	19.05	94.2	17.34
		672.5	118.5	22.96	111.4	21.69	106.0	20.64	103.4	19.54	98.9	18.88	94.2	17.18
		807.0	118.5	22.98	111.3	21.58	106.0	20.53	103.4	19.43	98.9	18.80	94.2	17.09
	15	215.2	118.5	20.89	111.4	19.85	106.0	18.73	103.4	17.56	98.9	17.14	94.2	15.41
		269.0	118.5	20.75	111.4	19.71	106.0	18.61	103.4	17.56	98.9	17.01	94.2	15.41
		538.0	118.5	20.20	111.4	19.16	106.0	18.11	103.4	17.56	98.9	16.52	94.2	15.41
		672.5	118.5	20.20	111.4	18.61	106.0	17.56	103.4	17.01	98.9	15.97	94.2	14.92
		807.0	118.5	20.20	111.4	18.33	106.0	17.28	103.4	16.73	98.9	15.69	94.2	14.67
	20	215.2	118.5	18.25	111.4	17.14	106.0	16.10	103.4	15.54	98.9	15.06	94.2	13.94
		269.0	118.5	18.11	111.4	17.01	106.0	15.97	103.4	15.41	98.9	14.92	94.2	13.82
		538.0	118.5	17.56	111.4	16.52	106.0	15.41	103.4	14.92	98.9	14.37	94.2	13.32
		672.5	118.5	17.56	111.4	16.52	106.0	15.41	103.4	14.92	98.9	14.37	94.2	13.32
		807.0	118.5	17.56	111.4	16.52	106.0	15.41	103.4	14.92	98.9	14.37	94.2	13.32
	25	215.2	118.5	16.10	111.4	15.06	106.0	13.82	103.4	13.94	98.9	12.77	94.2	12.35
		269.0	118.5	15.97	111.4	14.92	106.0	13.82	103.4	13.82	98.9	12.77	94.2	12.22
		538.0	118.5	15.41	111.4	14.37	106.0	13.82	103.4	13.32	98.9	12.77	94.2	11.73
		672.5	118.5	15.41	111.4	14.37	106.0	13.32	103.4	13.32	98.9	12.77	94.2	11.73
		807.0	118.5	15.41	111.4	14.37	106.0	13.07	103.4	13.32	98.9	12.77	94.2	11.73
	30	215.2	118.5	14.51	111.4	13.46	106.0	12.91	103.4	12.35	98.9	11.87	94.2	11.31
		269.0	118.5	14.37	111.4	13.32	106.0	12.77	103.4	12.22	98.9	11.73	94.2	11.18
		538.0	118.5	13.82	111.4	12.77	106.0	12.22	103.4	11.73	98.9	11.18	94.2	10.62
		672.5	118.5	13.82	111.4	12.77	106.0	12.22	103.4	11.73	98.9	11.18	94.2	10.62
		807.0	118.5	13.82	111.4	12.77	106.0	12.22	103.4	11.73	98.9	11.18	94.2	10.62
	35	215.2	118.5	12.77	111.4	12.35	106.0	11.18	103.4	11.31	98.9	10.75	94.2	10.27
		269.0	118.5	12.77	111.4	12.22	106.0	11.18	103.4	11.18	98.9	10.62	94.2	10.13
		538.0	118.5	12.77	111.4	11.73	106.0	11.18	103.4	10.62	98.9	10.13	94.2	9.58
		672.5	118.5	12.77	111.4	11.73	106.0	10.62	103.4	10.62	98.9	10.13	94.2	9.58
		807.0	118.5	12.77	111.4	11.73	106.0	10.35	103.4	10.62	98.9	10.13	94.2	9.58
	40	215.2	118.5	11.73	111.4	11.31	106.0	10.13	103.4	10.27	98.9	9.72	94.2	9.03
		269.0	118.5	11.73	111.4	11.18	106.0	10.13	103.4	10.13	98.9	9.58	94.2	9.03
		538.0	118.5	11.73	111.4	10.62	106.0	10.13	103.4	9.58	98.9	9.03	94.2	9.03
		672.5	118.5	11.73	111.4	10.62	106.0	10.13	103.4	9.58	98.9	9.03	94.2	9.03
		807.0	118.5	11.73	111.4	10.62	106.0	10.13	103.4	9.58	98.9	9.03	94.2	9.03
	45	215.2	118.5	10.62	111.4	10.27	106.0	9.03	103.4	9.15	98.9	8.67	94.2	7.84
		269.0	118.5	10.62	111.4	10.13	106.0	9.03	103.4	9.03	98.9	8.53	94.2	7.98
		538.0	118.5	10.62	111.4	9.58	106.0	9.03	103.4	8.53	98.9	7.98	94.2	8.53
		672.5	118.5	10.62	111.4	9.58	106.0	9.58	103.4	8.53	98.9	7.98	94.2	8.53
		807.0	118.5	10.62	111.4	9.58	106.0	9.86	103.4	8.53	98.9	7.98	94.2	8.53
50	-5	215.2	39.5	12.45	37.2	11.79	35.1	11.16	34.6	10.55	34.4	9.91	33.8	9.38
		269.0	40.9	12.72	38.4	12.06	36.3	11.40	35.8	10.79	35.6	10.13	35.0	9.58
		538.0	46.1	13.76	43.3	13.10	41.0	12.33	40.5	11.73	40.4	11.01	39.5	10.35
		672.5	51.0	14.86	47.9	14.09	45.3	13.32	44.8	12.66	44.5	11.84	43.8	11.18
		807.0	53.5	15.42	50.2	14.59	47.4	13.82	46.9	13.13	46.5	12.25	46.0	11.59
	0	215.2	70.5	18.24	65.3	17.30	60.7	16.29	59.4	15.47	58.5	14.55	56.4	13.72
		269.0	70.9	18.28	65.6	17.34	61.0	16.35	59.7	15.52	58.9	14.59	56.8	13.76
		538.0	72.5	18.44	67.1	17.51	62.5	16.57	61.2	15.74	60.4	14.75	58.1	13.93
		672.5	73.7	18.44	68.1	17.51	63.3	16.57	62.2	15.74	61.2	14.75	59.1	13.93
		807.0	74.3	18.44	68.6	17.51	63.8	16.57	62.7	15.74	61.6	14.75	59.6	13.93
	5	215.2	97.4	19.83	92.4	18.79	88.1	17.74	86.0	16.87	82.2	15.84	78.4	14.89
		269.0	97.6	19.93	92.5	18.88	88.1	17.84	86.0	16.96	82.2	15.91	78.4	14.97
		538.0	98.5	20.31	93.2	19.27	88.3	18.22	86.0	17.29	82.2	16.19	78.4	15.30
		672.5	98.5	20.48	93.0	19.43	88.3	18.33	86.0	17.40	82.2	16.35	78.4	15.41
		807.0	98.5	20.56	93.0	19.52	88.3	18.39	86.0	17.45	82.2	16.43	78.4	15.47

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(56HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	215.2	98.0	18.25	92.6	17.19	88.1	16.16	86.0	15.44	82.2	14.27	78.4	13.63
		269.0	98.1	18.22	92.7	17.18	88.1	16.13	86.0	15.41	82.2	14.31	78.4	13.60
		538.0	98.5	18.11	93.2	17.12	88.3	16.02	86.0	15.30	82.2	14.48	78.4	13.49
		672.5	98.5	18.22	93.0	17.18	88.3	16.08	86.0	15.36	82.2	14.26	78.4	13.54
		807.0	98.5	18.28	93.0	17.20	88.3	16.10	86.0	15.39	82.2	14.15	78.4	13.57
	15	215.2	98.5	16.65	93.0	15.54	88.3	14.51	86.0	13.94	82.2	12.77	78.4	12.35
		269.0	98.5	16.52	93.0	15.41	88.3	14.37	86.0	13.82	82.2	12.77	78.4	12.22
		538.0	98.5	15.97	93.0	14.92	88.3	13.82	86.0	13.32	82.2	12.77	78.4	11.73
		672.5	98.5	15.97	93.0	14.92	88.3	13.82	86.0	13.32	82.2	12.22	78.4	11.73
		807.0	98.5	15.97	93.0	14.92	88.3	13.82	86.0	13.32	82.2	11.94	78.4	11.73
	20	215.2	98.5	14.51	93.0	13.46	88.3	12.91	86.0	12.35	82.2	11.87	78.4	10.62
		269.0	98.5	14.37	93.0	13.32	88.3	12.77	86.0	12.22	82.2	11.73	78.4	10.62
		538.0	98.5	13.82	93.0	12.77	88.3	12.22	86.0	11.73	82.2	11.18	78.4	10.62
		672.5	98.5	13.82	93.0	12.77	88.3	12.22	86.0	11.73	82.2	11.18	78.4	10.62
		807.0	98.5	13.82	93.0	12.77	88.3	12.22	86.0	11.73	82.2	11.18	78.4	10.62
	25	215.2	98.5	12.91	93.0	11.73	88.3	11.31	86.0	10.62	82.2	10.13	78.4	9.58
		269.0	98.5	12.77	93.0	11.73	88.3	11.18	86.0	10.62	82.2	10.13	78.4	9.58
		538.0	98.5	12.22	93.0	11.73	88.3	10.62	86.0	10.62	82.2	10.13	78.4	9.58
		672.5	98.5	12.22	93.0	11.73	88.3	10.62	86.0	10.62	82.2	10.13	78.4	9.58
		807.0	98.5	12.22	93.0	11.73	88.3	10.62	86.0	10.62	82.2	10.13	78.4	9.58
	30	215.2	98.5	11.87	93.0	10.75	88.3	10.27	86.0	9.58	82.2	9.72	78.4	9.15
		269.0	98.5	11.73	93.0	10.62	88.3	10.13	86.0	9.58	82.2	9.58	78.4	9.03
		538.0	98.5	11.18	93.0	10.13	88.3	9.58	86.0	9.58	82.2	9.03	78.4	8.53
		672.5	98.5	11.18	93.0	10.13	88.3	9.58	86.0	9.58	82.2	9.03	78.4	8.53
		807.0	98.5	11.18	93.0	10.13	88.3	9.58	86.0	9.58	82.2	9.03	78.4	8.53
	35	215.2	98.5	10.75	93.0	9.58	88.3	9.03	86.0	9.15	82.2	8.53	78.4	7.98
		269.0	98.5	10.62	93.0	9.58	88.3	9.03	86.0	9.03	82.2	8.53	78.4	7.98
		538.0	98.5	10.13	93.0	9.58	88.3	9.03	86.0	8.53	82.2	8.53	78.4	7.98
		672.5	98.5	10.13	93.0	9.58	88.3	9.03	86.0	8.53	82.2	8.53	78.4	7.98
		807.0	98.5	10.13	93.0	9.58	88.3	9.03	86.0	8.53	82.2	8.53	78.4	7.98
	40	215.2	98.5	9.72	93.0	9.15	88.3	8.67	86.0	7.98	82.2	8.12	78.4	7.43
		269.0	98.5	9.58	93.0	9.03	88.3	8.53	86.0	7.98	82.2	7.98	78.4	7.43
		538.0	98.5	9.03	93.0	8.53	88.3	7.98	86.0	7.98	82.2	7.43	78.4	7.43
		672.5	98.5	9.03	93.0	8.53	88.3	7.98	86.0	7.98	82.2	7.43	78.4	7.43
		807.0	98.5	9.03	93.0	8.53	88.3	7.98	86.0	7.98	82.2	7.43	78.4	7.43
	45	215.2	98.5	8.67	93.0	8.81	88.3	8.25	86.0	6.81	82.2	7.70	78.4	6.94
		269.0	98.5	8.53	93.0	8.53	88.3	7.98	86.0	6.94	82.2	7.43	78.4	6.94
		538.0	98.5	7.98	93.0	7.43	88.3	6.94	86.0	7.43	82.2	6.39	78.4	6.94
		672.5	98.5	7.98	93.0	7.43	88.3	6.94	86.0	7.43	82.2	6.39	78.4	6.94
		807.0	98.5	7.98	93.0	7.43	88.3	6.94	86.0	7.43	82.2	6.39	78.4	6.94

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(58HP)

ARWN580LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	222.8	76.6	9.16	76.1	8.63	75.6	8.03	74.6	7.79	75.5	7.59	73.4	6.81
		278.5	86.4	35.05	85.8	33.00	85.3	30.72	84.1	29.81	85.1	29.03	82.8	26.03
		557.0	89.4	35.66	88.7	33.64	88.2	31.39	87.0	30.47	88.0	29.66	85.7	26.60
		696.3	101.1	38.09	100.3	36.18	99.8	34.05	98.4	33.07	99.6	32.14	97.0	28.85
		835.5	111.8	40.51	110.8	38.66	110.1	36.70	108.8	35.72	110.1	34.68	107.2	31.10
	0	222.8	117.2	41.73	116.1	39.91	115.4	38.04	114.0	37.06	115.4	35.96	112.4	32.24
		278.5	154.4	47.94	150.9	46.51	147.7	45.00	144.5	43.73	145.0	42.53	138.3	38.09
		557.0	155.3	48.07	151.8	46.63	148.5	45.13	145.3	43.86	145.8	42.65	139.2	38.20
		696.3	159.1	48.59	155.2	47.09	151.9	45.65	148.7	44.38	149.2	43.11	142.6	38.66
		835.5	161.5	48.59	157.5	47.09	154.3	45.65	150.9	44.38	151.4	43.11	144.6	38.66
	5	222.8	162.7	48.59	158.7	47.09	155.5	45.65	152.0	44.38	152.5	43.11	145.7	38.66
		278.5	222.4	51.53	219.0	50.26	214.4	48.98	209.0	47.59	203.4	46.28	192.2	41.45
		557.0	223.1	51.76	219.4	50.49	214.5	49.22	209.0	47.84	203.4	46.51	192.2	41.66
		696.3	226.2	52.69	220.9	51.42	214.7	50.21	209.0	48.82	203.4	47.44	192.2	42.53
		835.5	227.6	53.03	221.6	51.76	214.7	50.55	209.0	49.17	203.4	47.78	192.2	42.82
	10	222.8	228.3	53.21	222.0	51.94	214.7	50.73	209.0	49.34	203.4	47.96	192.2	42.96
		278.5	222.7	46.89	219.1	45.31	213.8	44.46	208.2	43.47	202.7	41.98	191.4	37.88
		557.0	224.0	46.80	220.1	45.36	214.7	44.55	209.0	43.45	203.4	41.95	192.2	37.86
		696.3	229.3	46.45	224.2	45.53	218.1	44.90	212.4	43.40	206.5	41.84	195.3	37.74
		835.5	230.5	47.09	225.7	46.17	219.4	45.07	213.5	43.57	207.9	42.53	196.5	39.53
	15	222.8	231.1	47.41	226.5	46.49	220.1	45.16	214.0	43.66	208.5	42.88	197.1	40.43
		278.5	223.0	42.26	219.1	40.45	212.9	40.02	207.3	39.36	201.9	37.69	190.7	34.34
		557.0	224.8	41.84	220.8	40.28	214.7	39.93	209.0	39.07	203.4	37.39	192.2	34.05
		696.3	232.2	40.16	227.4	39.59	221.4	39.59	215.8	37.91	209.6	36.24	198.3	32.89
		835.5	233.3	41.15	229.6	40.51	224.2	39.59	218.1	37.91	212.4	37.28	200.7	36.24
	20	222.8	233.9	41.64	230.7	40.98	225.5	39.59	219.2	37.91	213.9	37.80	201.9	37.93
		278.5	231.5	38.77	227.3	36.96	221.3	36.15	215.1	35.00	208.9	34.22	196.5	33.17
		557.0	233.3	38.49	229.1	36.93	223.0	36.12	216.9	35.14	210.7	34.45	198.3	32.89
		696.3	240.7	37.39	236.4	36.82	229.8	36.01	223.7	35.72	218.1	35.37	205.6	31.80
		835.5	241.7	37.39	238.1	36.82	232.5	36.24	225.9	35.72	219.7	35.37	207.3	33.82
	25	222.8	242.2	37.39	239.0	36.82	233.9	36.36	227.0	35.72	220.6	35.37	208.2	34.83
		278.5	244.4	36.96	238.1	35.89	232.5	35.29	228.1	34.70	223.0	34.19	210.2	31.94
		557.0	244.4	36.82	238.1	35.84	232.5	35.14	228.1	34.57	223.0	34.05	210.2	31.80
		696.3	244.4	36.24	238.1	35.61	232.5	34.57	228.1	34.05	223.0	33.47	210.2	31.22
		835.5	244.4	35.72	238.1	34.68	232.5	34.05	228.1	33.47	223.0	32.89	210.2	30.70
	30	222.8	244.4	35.46	238.1	34.22	232.5	33.79	228.1	33.18	223.0	32.60	210.2	30.44
		278.5	244.4	36.01	238.1	34.22	232.5	33.90	228.1	33.02	223.0	32.67	210.2	30.40
		557.0	244.4	35.72	238.1	34.16	232.5	33.70	228.1	32.89	223.0	32.37	210.2	30.12
		696.3	244.4	34.57	238.1	33.93	232.5	32.89	228.1	32.37	223.0	31.22	210.2	29.03
		835.5	244.4	34.05	238.1	33.01	232.5	32.37	228.1	31.80	223.0	31.22	210.2	29.03
	35	222.8	244.4	33.79	238.1	32.54	232.5	32.11	228.1	31.51	223.0	31.22	210.2	29.03
		278.5	244.4	34.34	238.1	33.20	232.5	32.52	228.1	31.35	223.0	30.27	210.2	28.15
		557.0	244.4	34.05	238.1	33.01	232.5	32.37	228.1	31.22	223.0	30.12	210.2	27.87
		696.3	244.4	32.89	238.1	32.26	232.5	31.80	228.1	30.70	223.0	29.55	210.2	26.78
		835.5	244.4	32.89	238.1	31.91	232.5	31.22	228.1	30.12	223.0	29.03	210.2	26.78
	40	222.8	244.4	32.89	238.1	31.74	232.5	30.93	228.1	29.83	223.0	28.76	210.2	26.78
		278.5	244.4	33.17	238.1	32.12	232.5	31.50	228.1	30.40	223.0	29.32	210.2	26.48
		557.0	244.4	32.89	238.1	31.91	232.5	31.22	228.1	30.12	223.0	29.03	210.2	26.20
		696.3	244.4	31.80	238.1	31.10	232.5	30.12	228.1	29.03	223.0	27.87	210.2	25.10
		835.5	244.4	31.22	238.1	30.58	232.5	30.12	228.1	29.03	223.0	27.87	210.2	25.10
	45	222.8	244.4	30.93	238.1	30.32	232.5	30.12	228.1	29.03	223.0	27.87	210.2	25.10
		278.5	244.4	32.07	238.1	31.02	232.5	30.55	228.1	29.45	223.0	28.30	210.2	24.80
		557.0	244.4	31.80	238.1	30.82	232.5	30.12	228.1	29.03	223.0	27.87	210.2	24.53
		696.3	244.4	30.70	238.1	30.01	232.5	28.45	228.1	27.35	223.0	26.20	210.2	23.43
		835.5	244.4	29.55	238.1	29.26	232.5	29.03	228.1	27.87	223.0	26.78	210.2	23.43
120	-5	222.8	244.4	28.96	238.1	28.88	232.5	29.32	228.1	28.13	223.0	27.07	210.2	23.43
		278.5	82.1	35.05	81.5	33.00	81.0	30.72	80.0	29.42	80.7	28.57	78.5	25.57
		557.0	85.0	35.66	84.3	33.64	83.8	31.39	82.8	30.07	83.4	29.20	81.2	26.14
		696.3	96.2	38.09	95.3	36.18	94.8	34.05	93.6	32.60	94.5	31.68	91.9	28.39
		835.5	106.2	40.51	105.4	38.66	104.7	36.70	103.5	35.20	104.4	34.16	101.5	30.58
	0	222.8	111.3	41.73	110.4	39.91	109.7	38.04	108.5	36.51	109.3	35.41	106.3	31.69
		278.5	146.8	47.94	143.3	46.51	140.2	45.00	137.4	43.09	137.4	41.89	131.1	37.45
		557.0	147.7	48.07	144.1	46.63	141.1	45.13	138.2	43.22	138.2	42.01	131.9	37.57
		696.3	151.1	48.59	147.5	47.09	144.5	45.65	141.4	43.74	141.4	42.47	135.1	38.03
		835.5	153.5	48.59	149.9	47.09	146.7	45.65	143.6	43.74	143.4	42.47	137.2	38.03

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	222.8	154.7	48.59	151.1	47.09	147.8	45.65	144.7	43.74	144.5	42.47	138.2	38.03
		278.5	211.7	51.53	208.5	50.26	203.9	48.98	199.0	46.90	192.7	45.59	182.2	40.83
		557.0	212.4	51.76	208.9	50.49	203.9	49.22	199.0	47.15	192.7	45.82	182.2	41.03
		696.3	215.5	52.69	210.4	51.42	203.9	50.21	199.0	48.13	192.7	46.74	182.2	41.84
		835.5	216.7	53.03	209.2	51.76	203.9	50.55	199.0	48.47	192.7	47.09	182.2	42.13
	10	222.8	217.3	53.21	208.6	51.94	203.9	50.73	199.0	48.65	192.7	47.26	182.2	42.27
		278.5	212.5	46.29	208.5	45.01	203.4	44.10	198.5	42.76	192.2	41.35	181.7	37.18
		557.0	213.5	46.45	209.4	45.18	203.9	44.26	199.0	42.82	192.7	41.32	182.2	37.22
		696.3	217.4	47.09	212.8	45.88	206.2	44.90	201.2	43.05	194.8	41.20	184.1	37.39
		835.5	218.6	46.92	212.1	45.88	207.0	45.07	202.1	43.22	195.6	41.38	184.9	38.66
	15	222.8	219.2	46.83	211.8	45.88	207.4	45.16	202.5	43.31	196.0	41.46	185.3	39.30
		278.5	213.1	41.06	208.8	39.85	202.8	39.23	197.9	38.64	191.7	37.09	181.2	33.62
		557.0	214.3	41.15	210.1	39.93	203.9	39.30	199.0	38.49	192.7	36.82	182.2	33.47
		696.3	219.2	41.49	215.2	40.28	208.5	39.59	203.4	37.91	196.6	35.72	186.1	32.89
		835.5	220.4	40.86	215.0	39.93	210.2	39.59	205.1	37.91	198.3	35.72	187.8	35.14
	20	222.8	221.0	40.54	214.9	39.76	211.1	39.59	206.0	37.91	199.2	35.72	188.7	36.28
		278.5	219.0	36.93	214.9	35.36	208.4	34.42	202.7	33.92	196.1	33.50	185.5	31.80
		557.0	220.4	36.93	216.2	35.49	209.6	34.57	203.9	34.05	197.3	33.47	186.6	31.68
		696.3	226.0	36.93	221.3	36.01	214.1	35.14	209.0	34.57	202.2	33.35	191.0	31.22
		835.5	227.1	36.59	221.1	35.72	215.8	35.14	210.2	34.57	203.4	33.47	192.2	32.37
	25	222.8	227.6	36.41	221.0	35.58	216.7	35.14	210.8	34.57	204.0	33.53	192.8	32.96
		278.5	229.6	34.93	223.0	33.30	215.8	32.66	211.3	31.94	205.6	31.35	194.4	29.17
		557.0	229.8	34.80	223.0	33.24	215.8	32.60	211.3	31.80	205.6	31.22	194.4	29.03
		696.3	230.3	34.28	223.0	33.01	215.8	32.37	211.3	31.22	205.6	30.70	194.4	28.45
		835.5	231.0	33.01	223.0	32.14	215.8	31.80	211.3	31.22	205.6	30.12	194.4	28.45
	30	222.8	231.3	32.37	223.0	31.71	215.8	31.51	211.3	31.22	205.6	29.83	194.4	28.45
		278.5	231.0	33.40	223.0	31.76	215.8	30.85	211.3	29.68	205.6	29.32	194.4	26.92
		557.0	231.0	33.12	223.0	31.57	215.8	30.70	211.3	29.55	205.6	29.03	194.4	26.78
		696.3	231.0	32.03	223.0	30.82	215.8	30.12	211.3	29.03	205.6	27.87	194.4	26.20
		835.5	231.0	30.99	223.0	30.12	215.8	29.55	211.3	29.03	205.6	27.87	194.4	25.68
	35	222.8	231.0	30.47	223.0	29.77	215.8	29.26	211.3	29.03	205.6	27.87	194.4	25.42
		278.5	231.0	31.90	223.0	30.17	215.8	29.32	211.3	28.15	205.6	27.05	194.4	24.66
		557.0	231.0	31.45	223.0	29.89	215.8	29.03	211.3	27.87	205.6	26.78	194.4	24.53
		696.3	231.0	29.66	223.0	28.80	215.8	27.87	211.3	26.78	205.6	25.68	194.4	24.01
		835.5	231.0	29.32	223.0	28.56	215.8	27.87	211.3	26.78	205.6	25.68	194.4	23.43
	40	222.8	231.0	29.14	223.0	28.45	215.8	27.87	211.3	26.78	205.6	25.68	194.4	23.14
		278.5	231.0	30.95	223.0	28.78	215.8	27.64	211.3	26.48	205.6	25.38	194.4	22.98
		557.0	231.0	30.35	223.0	28.45	215.8	27.35	211.3	26.20	205.6	25.10	194.4	22.85
		696.3	231.0	27.99	223.0	27.12	215.8	26.20	211.3	25.10	205.6	24.01	194.4	22.33
		835.5	231.0	27.64	223.0	26.78	215.8	26.20	211.3	25.10	205.6	24.01	194.4	21.76
	45	222.8	231.0	27.47	223.0	26.60	215.8	26.20	211.3	25.10	205.6	24.01	194.4	21.46
		278.5	231.0	30.00	223.0	27.40	215.8	25.97	211.3	24.80	205.6	23.71	194.4	21.31
		557.0	231.0	29.26	223.0	27.01	215.8	25.68	211.3	24.53	205.6	23.43	194.4	21.18
		696.3	231.0	26.31	223.0	25.45	215.8	24.53	211.3	23.43	205.6	22.33	194.4	20.66
		835.5	231.0	25.97	223.0	24.99	215.8	24.53	211.3	23.43	205.6	22.33	194.4	20.08
110	-5	222.8	231.0	25.79	223.0	24.75	215.8	24.53	211.3	23.43	205.6	22.33	194.4	19.79
		278.5	77.7	35.51	77.2	33.00	76.7	30.72	75.9	29.42	76.1	28.57	74.4	25.57
		557.0	80.4	36.12	79.9	33.64	79.4	31.39	78.5	30.07	78.7	29.20	77.0	26.14
		696.3	90.9	38.55	90.4	36.18	89.9	34.05	88.9	32.60	88.9	31.68	87.2	28.39
		835.5	100.4	41.03	99.8	38.66	99.3	36.70	98.2	35.20	98.2	34.16	96.2	30.58
	0	222.8	105.2	42.28	104.5	39.91	104.0	38.04	102.9	36.51	102.9	35.41	100.7	31.69
		278.5	138.9	48.59	135.8	46.51	133.0	45.00	130.4	43.09	129.2	41.89	124.4	37.45
		557.0	139.7	48.70	136.6	46.63	133.8	45.13	131.2	43.22	130.0	42.01	125.1	37.57
		696.3	142.9	49.17	139.9	47.09	136.8	45.65	134.3	43.74	133.1	42.47	128.0	38.03
		835.5	145.1	49.17	142.1	47.09	139.0	45.65	136.3	43.74	135.1	42.47	129.8	38.03
	5	222.8	146.3	49.17	143.2	47.09	140.1	45.65	137.3	43.74	136.1	42.47	130.8	38.03
		278.5	202.6	52.22	197.8	50.26	193.2	48.98	188.8	46.90	181.5	45.59	172.7	40.83
		557.0	203.3	52.46	198.2	50.49	193.2	49.22	188.8	47.15	181.5	45.82	172.7	41.03
		696.3	206.0	53.38	199.7	51.42	193.4	50.21	188.8	48.13	181.5	46.74	172.7	41.84
		835.5	207.2	53.73	200.2	51.76	193.4	50.55	188.8	48.47	181.5	47.09	172.7	42.13
	10	222.8	207.8	53.90	200.5	51.94	193.4	50.73	188.8	48.65	181.5	47.26	172.7	42.27
		278.5	203.3	46.83	198.3	45.23	192.9	44.25	188.5	42.76	181.2	41.35	172.5	37.18
		557.0	204.1	46.92	198.8	45.36	193.2	44.38	188.8	42.82	181.5	41.32	172.7	37.22
		696.3	207.2	47.26	200.9	45.88	194.4	44.90	190.0	43.05	182.7	41.20	173.5	37.39
		835.5	208.4	47.26	201.7	45.88	195.1	44.78	190.3	42.93	183.0	41.38	174.0	37.80

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	222.8	209.0	47.26	202.2	45.88	195.4	44.72	190.5	42.88	183.2	41.46	174.3	38.00
		278.5	203.9	41.43	198.6	40.28	192.8	39.59	188.3	38.64	180.9	37.09	172.2	33.62
		557.0	204.8	41.38	199.4	40.28	193.4	39.59	188.8	38.49	181.5	36.82	172.7	33.47
		696.3	208.2	41.15	202.2	40.28	195.6	39.59	191.0	37.91	183.9	35.72	174.4	32.89
		835.5	209.4	40.86	203.3	39.93	196.6	39.07	191.7	37.39	184.4	35.72	175.4	33.47
	20	222.8	210.0	40.71	203.8	39.76	197.2	38.81	192.1	37.13	184.7	35.72	175.9	33.76
		278.5	207.8	35.76	202.1	34.91	195.6	34.05	190.3	33.47	183.3	32.52	173.7	30.41
		557.0	208.9	35.84	202.8	34.91	196.1	34.05	191.0	33.47	183.9	32.37	174.4	30.35
		696.3	213.3	36.12	205.5	34.91	198.3	34.05	193.9	33.47	186.1	31.80	177.1	30.12
		835.5	214.5	36.12	207.2	34.91	199.5	34.05	194.4	32.89	187.1	31.80	177.6	30.12
	25	222.8	215.1	36.12	208.0	34.91	200.1	34.05	194.7	32.60	187.6	31.80	177.9	30.12
		278.5	214.2	32.55	207.9	31.35	199.5	30.85	195.1	29.68	188.3	28.60	178.3	26.20
		557.0	214.7	32.49	207.9	31.22	199.5	30.70	195.1	29.55	188.3	28.45	178.3	26.20
		696.3	216.4	32.26	207.9	30.70	199.5	30.12	195.1	29.03	188.3	27.87	178.3	26.20
		835.5	217.4	32.26	207.9	30.82	199.5	29.55	195.1	29.03	188.3	27.35	178.3	25.68
	30	222.8	217.9	32.26	207.9	30.87	199.5	29.26	195.1	29.03	188.3	27.09	178.3	25.42
		278.5	217.4	29.68	207.9	28.60	199.5	27.50	195.1	26.92	188.3	25.25	178.3	23.57
		557.0	217.4	29.55	207.9	28.45	199.5	27.35	195.1	26.78	188.3	25.10	178.3	23.43
		696.3	217.4	29.03	207.9	27.87	199.5	26.78	195.1	26.20	188.3	24.53	178.3	22.85
		835.5	217.4	28.80	207.9	27.35	199.5	26.20	195.1	25.68	188.3	24.53	178.3	22.85
	35	222.8	217.4	28.68	207.9	27.09	199.5	25.91	195.1	25.42	188.3	24.53	178.3	22.85
		278.5	217.4	28.15	207.9	26.33	199.5	25.25	195.1	24.15	188.3	22.98	178.3	21.31
		557.0	217.4	27.87	207.9	26.20	199.5	25.10	195.1	24.01	188.3	22.85	178.3	21.18
		696.3	217.4	26.78	207.9	25.68	199.5	24.53	195.1	23.43	188.3	22.33	178.3	20.66
		835.5	217.4	26.08	207.9	25.10	199.5	24.01	195.1	23.43	188.3	22.33	178.3	20.66
	40	222.8	217.4	25.73	207.9	24.81	199.5	23.74	195.1	23.43	188.3	22.33	178.3	20.66
		278.5	217.4	26.48	207.9	25.38	199.5	23.71	195.1	22.48	188.3	21.31	178.3	19.64
		557.0	217.4	26.20	207.9	25.10	199.5	23.43	195.1	22.33	188.3	21.18	178.3	19.50
		696.3	217.4	25.10	207.9	24.01	199.5	22.33	195.1	21.76	188.3	20.66	178.3	18.99
		835.5	217.4	24.76	207.9	23.43	199.5	22.33	195.1	21.18	188.3	20.08	178.3	18.41
	45	222.8	217.4	24.58	207.9	23.14	199.5	22.33	195.1	20.89	188.3	19.79	178.3	18.12
		278.5	217.4	24.80	207.9	24.43	199.5	22.18	195.1	20.80	188.3	19.64	178.3	17.96
		557.0	217.4	24.53	207.9	24.01	199.5	21.76	195.1	20.66	188.3	19.50	178.3	17.83
		696.3	217.4	23.43	207.9	22.33	199.5	20.08	195.1	20.08	188.3	18.99	178.3	17.31
		835.5	217.4	23.43	207.9	21.76	199.5	20.66	195.1	18.99	188.3	17.83	178.3	16.16
100	-5	222.8	217.4	23.43	207.9	21.46	199.5	20.95	195.1	18.43	188.3	17.25	178.3	15.58
		278.5	73.4	35.51	72.9	33.46	72.6	30.72	72.0	29.42	71.3	28.11	70.0	25.57
		557.0	76.0	36.12	75.5	34.10	75.1	31.39	74.4	30.07	73.8	28.74	72.4	26.14
		696.3	86.0	38.55	85.5	36.64	85.0	34.05	84.1	32.60	83.4	31.22	82.1	28.39
		835.5	95.0	41.03	94.3	39.18	93.8	36.70	93.0	35.20	92.3	33.64	90.6	30.58
	0	222.8	99.5	42.28	98.8	40.46	98.3	38.04	97.4	36.51	96.7	34.86	94.9	31.69
		278.5	131.3	48.59	128.4	47.15	125.7	45.00	123.5	43.09	121.3	41.26	117.1	37.45
		557.0	132.1	48.70	129.2	47.26	126.4	45.13	124.2	43.22	122.0	41.38	117.8	37.57
		696.3	135.1	49.17	132.2	47.72	129.3	45.65	127.1	43.74	124.9	41.84	120.5	38.03
		835.5	137.2	49.17	134.3	47.72	131.4	45.65	129.0	43.74	126.8	41.84	122.4	38.03
	5	222.8	138.2	49.17	135.3	47.72	132.4	45.65	129.9	43.74	127.7	41.84	123.3	38.03
		278.5	193.7	52.22	187.3	50.95	182.5	48.98	178.8	46.90	170.3	44.89	162.5	40.83
		557.0	194.4	52.46	187.6	51.19	182.5	49.22	178.8	47.15	170.3	45.13	162.5	41.03
		696.3	197.1	53.38	189.0	52.11	182.7	50.21	178.8	48.13	170.3	46.05	162.5	41.84
		835.5	198.3	53.73	189.5	52.46	182.7	50.55	178.8	48.47	170.3	46.34	162.5	42.13
	10	222.8	198.9	53.90	189.8	52.63	182.7	50.73	178.8	48.65	170.3	46.48	162.5	42.27
		278.5	194.8	46.70	187.9	45.67	182.7	44.25	178.8	42.76	170.3	40.64	162.5	37.18
		557.0	195.3	46.92	188.1	45.82	182.7	44.38	178.8	42.82	170.3	40.68	162.5	37.22
		696.3	197.1	47.78	189.2	46.40	182.7	44.90	178.8	43.05	170.3	40.86	162.5	37.39
		835.5	198.5	47.61	190.0	46.40	182.7	44.78	178.8	42.93	170.3	40.74	162.5	37.22
	15	222.8	199.2	47.52	190.4	46.40	182.7	44.72	178.8	42.88	170.3	40.68	162.5	37.13
		278.5	195.9	41.17	188.7	40.48	182.7	39.59	178.8	38.64	170.3	36.37	162.5	33.62
		557.0	196.1	41.38	188.8	40.51	182.7	39.59	178.8	38.49	170.3	36.24	162.5	33.47
		696.3	197.1	42.18	189.3	40.63	182.7	39.59	178.8	37.91	170.3	35.72	162.5	32.89
		835.5	198.8	41.49	190.3	40.28	182.7	39.07	178.8	37.39	170.3	35.14	162.5	32.37
	20	222.8	199.7	41.14	190.9	40.10	182.7	38.81	178.8	37.13	170.3	34.85	162.5	32.11
		278.5	196.9	35.21	189.7	34.31	182.7	33.47	178.8	33.02	170.3	30.85	162.5	29.32
		557.0	197.7	35.37	189.8	34.34	182.7	33.47	178.8	32.89	170.3	30.70	162.5	29.03
		696.3	200.5	36.01	190.3	34.45	182.7	33.47	178.8	32.37	170.3	30.12	162.5	27.87
		835.5	201.7	35.37	192.0	34.16	182.7	32.89	178.8	31.80	170.3	29.55	162.5	27.35

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	222.8	202.3	35.05	192.9	34.02	182.7	32.60	178.8	31.51	170.3	29.26	162.5	27.09
		278.5	199.3	30.79	192.7	29.82	182.7	28.60	178.8	27.50	170.3	25.83	162.5	23.43
		557.0	200.0	30.82	192.7	29.66	182.7	28.45	178.8	27.35	170.3	25.68	162.5	23.43
		696.3	202.9	30.93	192.7	29.03	182.7	27.87	178.8	26.78	170.3	25.10	162.5	23.43
		835.5	203.9	30.24	192.7	28.80	182.7	27.35	178.8	26.20	170.3	25.10	162.5	22.85
	30	222.8	204.5	29.89	192.7	28.68	182.7	27.09	178.8	25.91	170.3	25.10	162.5	22.56
		278.5	203.9	28.00	192.7	25.83	182.7	24.06	178.8	23.57	170.3	21.76	162.5	20.80
		557.0	203.9	27.87	192.7	25.68	182.7	24.01	178.8	23.43	170.3	21.76	162.5	20.66
		696.3	203.9	27.35	192.7	25.10	182.7	23.78	178.8	22.85	170.3	21.76	162.5	20.08
		835.5	203.9	26.78	192.7	25.10	182.7	23.43	178.8	22.85	170.3	21.18	162.5	20.08
	35	222.8	203.9	26.49	192.7	25.10	182.7	23.25	178.8	22.85	170.3	20.89	162.5	20.08
		278.5	203.9	25.97	192.7	23.71	182.7	21.24	178.8	20.80	170.3	19.64	162.5	17.96
		557.0	203.9	25.68	192.7	23.43	182.7	21.18	178.8	20.66	170.3	19.50	162.5	17.83
		696.3	203.9	24.53	192.7	22.33	182.7	20.95	178.8	20.08	170.3	18.99	162.5	17.31
		835.5	203.9	24.53	192.7	22.33	182.7	20.66	178.8	20.08	170.3	18.99	162.5	17.31
	40	222.8	203.9	24.53	192.7	22.33	182.7	20.51	178.8	20.08	170.3	18.99	162.5	17.31
		278.5	203.9	24.30	192.7	22.03	182.7	19.04	178.8	18.55	170.3	17.46	162.5	16.29
		557.0	203.9	24.01	192.7	21.76	182.7	18.99	178.8	18.41	170.3	17.31	162.5	16.16
		696.3	203.9	22.85	192.7	20.66	182.7	18.75	178.8	17.83	170.3	16.74	162.5	15.64
		835.5	203.9	22.33	192.7	20.66	182.7	18.41	178.8	17.83	170.3	16.74	162.5	15.64
	45	222.8	203.9	22.07	192.7	20.66	182.7	18.23	178.8	17.83	170.3	16.74	162.5	15.64
		278.5	203.9	22.62	192.7	20.36	182.7	16.79	178.8	16.29	170.3	15.21	162.5	14.62
		557.0	203.9	22.33	192.7	20.08	182.7	16.74	178.8	16.16	170.3	15.06	162.5	14.48
		696.3	203.9	21.18	192.7	18.99	182.7	16.50	178.8	15.64	170.3	14.48	162.5	13.97
		835.5	203.9	20.08	192.7	18.99	182.7	16.16	178.8	15.64	170.3	14.48	162.5	13.97
90	-5	222.8	203.9	19.53	192.7	18.99	182.7	15.98	178.8	15.64	170.3	14.48	162.5	13.97
		278.5	69.3	32.96	67.2	30.02	65.2	26.37	64.7	25.13	64.2	24.22	63.1	21.74
		557.0	71.7	33.53	69.5	30.58	67.5	26.95	67.0	25.68	66.5	24.76	65.3	22.22
		696.3	81.2	35.78	78.7	32.84	76.3	29.26	75.8	27.87	75.3	26.89	73.8	24.12
		835.5	89.7	38.03	86.8	35.14	84.3	31.57	83.6	30.07	83.1	28.97	81.6	26.03
	0	222.8	94.0	39.16	91.0	36.31	88.3	32.73	87.6	31.17	87.0	30.02	85.5	26.99
		278.5	124.0	44.89	118.3	42.12	112.8	38.68	111.2	36.89	109.3	35.50	105.2	31.88
		557.0	124.7	45.01	119.0	42.24	113.5	38.78	111.8	36.99	110.0	35.61	105.9	31.97
		696.3	127.6	45.47	121.7	42.70	116.2	39.18	114.4	37.39	112.5	36.01	108.4	32.32
		835.5	129.5	45.47	123.6	42.70	118.1	39.18	116.1	37.39	114.4	36.01	110.1	32.32
	5	222.8	130.4	45.47	124.5	42.70	119.1	39.18	116.9	37.39	115.3	36.01	111.0	32.32
		278.5	175.2	48.20	169.6	45.49	164.2	42.10	160.8	40.13	153.6	38.63	146.3	34.68
		557.0	175.4	48.42	169.4	45.70	164.2	42.30	160.8	40.34	153.6	38.84	146.3	34.85
		696.3	176.1	49.28	168.9	46.57	164.2	43.11	160.8	41.15	153.6	39.64	146.3	35.55
		835.5	177.1	49.57	169.4	46.86	164.2	43.45	160.8	41.43	153.6	39.93	146.3	35.84
	10	222.8	177.6	49.72	169.7	47.00	164.2	43.63	160.8	41.58	153.6	40.08	146.3	35.98
		278.5	176.2	42.56	170.2	40.47	164.2	38.10	160.8	36.54	153.6	35.06	146.3	31.59
		557.0	176.1	42.59	170.0	40.51	164.2	38.14	160.8	36.59	153.6	35.03	146.3	31.62
		696.3	175.7	42.70	169.1	40.68	164.2	38.32	160.8	36.76	153.6	34.91	146.3	31.74
		835.5	176.9	42.59	169.6	40.57	164.2	38.20	160.8	36.64	153.6	35.03	146.3	31.85
	15	222.8	177.5	42.53	169.9	40.51	164.2	38.14	160.8	36.59	153.6	35.09	146.3	31.91
		278.5	177.1	36.85	170.8	35.52	164.2	34.19	160.8	33.02	153.6	31.50	146.3	28.60
		557.0	176.8	36.70	170.5	35.37	164.2	34.05	160.8	32.89	153.6	31.22	146.3	28.45
		696.3	175.6	36.12	169.3	34.80	164.2	33.47	160.8	32.37	153.6	30.12	146.3	27.87
		835.5	176.8	35.61	169.8	34.28	164.2	32.89	160.8	31.80	153.6	30.12	146.3	27.87
	20	222.8	177.4	35.34	170.0	34.02	164.2	32.60	160.8	31.51	153.6	30.12	146.3	27.87
		278.5	178.1	31.10	171.5	30.21	164.2	29.17	160.8	28.00	153.6	27.05	146.3	25.38
		557.0	177.9	31.10	171.1	30.12	164.2	29.03	160.8	27.87	153.6	26.78	146.3	25.10
		696.3	177.3	31.10	169.8	29.78	164.2	28.45	160.8	27.35	153.6	25.68	146.3	24.01
		835.5	177.8	30.58	170.3	29.55	164.2	28.45	160.8	27.35	153.6	25.68	146.3	24.01
	25	222.8	178.0	30.32	170.6	29.43	164.2	28.45	160.8	27.35	153.6	25.68	146.3	24.01
		278.5	181.1	27.18	173.7	25.74	164.2	24.66	160.8	23.43	153.6	22.48	146.3	20.80
		557.0	181.5	27.12	173.7	25.68	164.2	24.53	160.8	23.43	153.6	22.33	146.3	20.66
		696.3	183.2	26.89	173.7	25.45	164.2	24.01	160.8	23.43	153.6	21.76	146.3	20.08
		835.5	183.9	26.20	173.7	24.87	164.2	24.01	160.8	22.85	153.6	21.76	146.3	20.08
	30	222.8	184.2	25.85	173.7	24.58	164.2	24.01	160.8	22.56	153.6	21.76	146.3	20.08
		278.5	183.9	24.66	173.7	22.98	164.2	21.31	160.8	20.80	153.6	19.64	146.3	17.83
		557.0	183.9	24.53	173.7	22.85	164.2	21.18	160.8	20.66	153.6	19.50	146.3	17.83
		696.3	183.9	24.01	173.7	22.33	164.2	20.66	160.8	20.08	153.6	18.99	146.3	17.83
		835.5	183.9	23.43	173.7	21.76	164.2	20.66	160.8	20.08	153.6	18.99	146.3	17.31

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	222.8	183.9	23.14	173.7	21.46	164.2	20.66	160.8	20.08	153.6	18.99	146.3	17.05
		278.5	183.9	22.48	173.7	20.80	164.2	19.13	160.8	18.55	153.6	17.46	146.3	16.29
		557.0	183.9	22.33	173.7	20.66	164.2	18.99	160.8	18.41	153.6	17.31	146.3	16.16
		696.3	183.9	21.76	173.7	20.08	164.2	18.41	160.8	17.83	153.6	16.74	146.3	15.64
		835.5	183.9	21.18	173.7	19.50	164.2	17.83	160.8	17.31	153.6	16.74	146.3	15.64
	40	222.8	183.9	20.89	173.7	19.21	164.2	17.54	160.8	17.05	153.6	16.74	146.3	15.64
		278.5	183.9	20.95	173.7	19.13	164.2	16.88	160.8	16.29	153.6	15.78	146.3	14.62
		557.0	183.9	20.66	173.7	18.99	164.2	16.74	160.8	16.16	153.6	15.64	146.3	14.48
		696.3	183.9	19.50	173.7	18.41	164.2	16.16	160.8	15.64	153.6	15.06	146.3	13.97
		835.5	183.9	19.50	173.7	18.41	164.2	16.16	160.8	15.64	153.6	15.06	146.3	13.97
	45	222.8	183.9	19.50	173.7	18.41	164.2	16.16	160.8	15.64	153.6	15.06	146.3	13.97
		278.5	183.9	19.41	173.7	17.46	164.2	14.62	160.8	14.11	153.6	14.11	146.3	12.94
		557.0	183.9	18.99	173.7	17.31	164.2	14.48	160.8	13.97	153.6	13.97	146.3	12.81
		696.3	183.9	17.31	173.7	16.74	164.2	13.97	160.8	13.39	153.6	13.39	146.3	12.29
		835.5	183.9	17.83	173.7	17.31	164.2	14.48	160.8	13.97	153.6	13.39	146.3	12.29
80	-5	222.8	183.9	18.09	173.7	17.60	164.2	14.75	160.8	14.26	153.6	13.39	146.3	12.29
		278.5	65.6	23.48	61.5	22.59	58.2	21.64	57.5	20.90	57.2	19.93	56.0	18.36
		557.0	67.8	24.01	63.6	23.08	60.2	22.10	59.5	21.35	59.1	20.37	58.0	18.75
		696.3	76.6	26.08	71.9	25.04	68.0	23.95	67.3	23.14	67.0	22.10	65.6	20.31
		835.5	84.8	28.10	79.4	27.01	75.1	25.85	74.3	24.99	73.9	23.83	72.4	21.93
	0	222.8	88.9	29.12	83.1	28.00	78.7	26.81	77.8	25.92	77.4	24.71	75.8	22.74
		278.5	117.0	34.46	108.0	33.08	100.5	31.71	98.7	30.61	97.3	29.17	93.6	26.88
		557.0	117.8	34.57	108.6	33.18	101.1	31.80	99.3	30.70	97.9	29.26	94.2	26.95
		696.3	120.7	34.97	111.1	33.59	103.5	32.14	101.6	31.05	100.3	29.60	96.4	27.24
		835.5	122.4	34.97	112.8	33.59	105.2	32.14	103.2	31.05	101.8	29.60	97.9	27.24
	5	222.8	123.2	34.97	113.7	33.59	106.1	32.14	103.9	31.05	102.6	29.60	98.7	27.24
		278.5	162.0	37.48	152.8	36.07	146.1	34.43	142.9	33.30	136.8	31.75	130.0	29.21
		557.0	162.3	37.68	153.1	36.24	146.2	34.62	142.9	33.47	136.8	31.91	130.0	29.37
		696.3	163.7	38.49	154.3	36.93	146.3	35.37	142.9	34.16	136.8	32.55	130.0	30.01
		835.5	163.7	38.72	154.1	37.22	146.3	35.61	142.9	34.39	136.8	32.78	130.0	30.18
	10	222.8	163.7	38.84	154.1	37.37	146.3	35.72	142.9	34.51	136.8	32.89	130.0	30.27
		278.5	162.8	34.49	153.5	32.94	146.1	31.26	142.9	30.40	136.8	28.78	130.0	26.65
		557.0	163.0	34.45	153.6	32.89	146.2	31.28	142.9	30.41	136.8	28.80	130.0	26.66
		696.3	163.7	34.28	154.3	32.72	146.3	31.33	142.9	30.47	136.8	28.85	130.0	26.72
		835.5	163.7	34.16	154.1	32.84	146.3	31.45	142.9	30.30	136.8	28.68	130.0	26.55
	15	222.8	163.7	34.10	154.1	32.89	146.3	31.51	142.9	30.21	136.8	28.59	130.0	26.46
		278.5	163.7	31.50	154.1	29.82	146.3	28.00	142.9	27.50	136.8	25.83	130.0	24.15
		557.0	163.7	31.22	154.1	29.55	146.3	27.87	142.9	27.35	136.8	25.68	130.0	24.01
		696.3	163.7	30.12	154.1	28.45	146.3	27.35	142.9	26.78	136.8	25.10	130.0	23.43
		835.5	163.7	29.55	154.1	28.45	146.3	27.35	142.9	26.20	136.8	24.53	130.0	22.85
	20	222.8	163.7	29.26	154.1	28.45	146.3	27.35	142.9	25.91	136.8	24.23	130.0	22.56
		278.5	163.7	26.33	154.1	25.25	146.3	24.01	142.9	23.57	136.8	22.48	130.0	20.80
		557.0	163.7	26.20	154.1	25.10	146.3	24.01	142.9	23.43	136.8	22.33	130.0	20.66
		696.3	163.7	25.68	154.1	24.53	146.3	24.01	142.9	22.85	136.8	21.76	130.0	20.08
		835.5	163.7	25.10	154.1	24.01	146.3	23.43	142.9	22.85	136.8	21.18	130.0	20.08
	25	222.8	163.7	24.81	154.1	23.74	146.3	23.14	142.9	22.85	136.8	20.89	130.0	20.08
		278.5	163.7	23.57	154.1	21.90	146.3	20.66	142.9	20.23	136.8	19.13	130.0	17.96
		557.0	163.7	23.43	154.1	21.76	146.3	20.66	142.9	20.08	136.8	18.99	130.0	17.83
		696.3	163.7	22.85	154.1	21.18	146.3	20.66	142.9	19.50	136.8	18.41	130.0	17.31
		835.5	163.7	22.33	154.1	21.18	146.3	20.08	142.9	19.50	136.8	18.41	130.0	17.31
	30	222.8	163.7	22.07	154.1	21.18	146.3	19.79	142.9	19.50	136.8	18.41	130.0	17.31
		278.5	163.7	20.80	154.1	19.64	146.3	18.55	142.9	17.96	136.8	16.88	130.0	15.78
		557.0	163.7	20.66	154.1	19.50	146.3	18.41	142.9	17.83	136.8	16.74	130.0	15.64
		696.3	163.7	20.08	154.1	18.99	146.3	17.83	142.9	17.31	136.8	16.16	130.0	15.06
		835.5	163.7	20.08	154.1	18.99	146.3	17.83	142.9	17.31	136.8	16.16	130.0	15.06
	35	222.8	163.7	20.08	154.1	18.99	146.3	17.83	142.9	17.31	136.8	16.16	130.0	15.06
		278.5	163.7	19.13	154.1	17.96	146.3	16.29	142.9	15.64	136.8	15.21	130.0	13.97
		557.0	163.7	18.99	154.1	17.83	146.3	16.16	142.9	15.64	136.8	15.06	130.0	13.97
		696.3	163.7	18.41	154.1	17.31	146.3	15.64	142.9	15.64	136.8	14.48	130.0	13.97
		835.5	163.7	18.41	154.1	16.74	146.3	15.64	142.9	15.06	136.8	14.48	130.0	13.39
	40	222.8	163.7	18.41	154.1	16.44	146.3	15.64	142.9	14.77	136.8	14.48	130.0	13.10
		278.5	163.7	18.11	154.1	16.29	146.3	14.48	142.9	14.62	136.8	13.39	130.0	12.94
		557.0	163.7	17.83	154.1	16.16	146.3	14.48	142.9	14.48	136.8	13.39	130.0	12.81
		696.3	163.7	16.74	154.1	15.64	146.3	14.48	142.9	13.97	136.8	13.39	130.0	12.29
		835.5	163.7	16.74	154.1	15.64	146.3	13.97	142.9	13.97	136.8	13.39	130.0	12.29

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	222.8	163.7	16.74	154.1	15.64	146.3	13.70	142.9	13.97	136.8	13.39	130.0	12.29
		278.5	163.7	17.16	154.1	14.62	146.3	12.67	142.9	13.66	136.8	11.57	130.0	11.99
		557.0	163.7	16.74	154.1	14.48	146.3	12.81	142.9	13.39	136.8	11.71	130.0	11.71
		696.3	163.7	15.06	154.1	13.97	146.3	13.39	142.9	12.29	136.8	12.29	130.0	10.62
		835.5	163.7	15.06	154.1	14.48	146.3	12.29	142.9	12.81	136.8	12.29	130.0	11.14
70	-5	222.8	163.7	15.06	154.1	14.75	146.3	11.74	142.9	13.07	136.8	12.29	130.0	11.40
		278.5	57.2	20.16	53.7	19.20	50.8	18.58	50.3	17.51	49.9	16.89	49.1	15.36
		557.0	59.1	20.60	55.6	19.62	52.5	18.99	52.0	17.89	51.7	17.25	50.8	15.70
		696.3	67.0	22.33	62.9	21.29	59.3	20.60	58.8	19.39	58.5	18.70	57.4	17.02
		835.5	74.1	24.12	69.5	22.97	65.6	22.22	65.1	20.89	64.6	20.20	63.4	18.35
	0	222.8	77.7	25.02	72.9	23.81	68.8	23.03	68.3	21.65	67.7	20.95	66.4	19.02
		278.5	102.4	29.52	94.6	28.15	87.9	27.21	86.3	25.61	85.0	24.74	82.0	22.51
		557.0	103.0	29.60	95.2	28.22	88.4	27.30	86.8	25.68	85.5	24.81	82.4	22.56
		696.3	105.4	29.95	97.4	28.51	90.4	27.64	88.9	25.97	87.5	25.10	84.3	22.79
		835.5	106.9	29.95	98.9	28.51	91.8	27.64	90.2	25.97	88.9	25.10	85.7	22.79
	5	222.8	107.7	29.95	99.7	28.51	92.5	27.64	90.9	25.97	89.6	25.10	86.3	22.79
		278.5	141.4	32.16	134.0	30.60	127.6	29.62	124.9	27.91	119.3	26.92	113.7	24.45
		557.0	141.7	32.32	134.3	30.76	127.6	29.78	124.9	28.05	119.3	27.06	113.7	24.58
		696.3	142.9	32.95	135.3	31.39	127.8	30.41	124.9	28.56	119.3	27.64	113.7	25.10
		835.5	142.9	33.18	135.1	31.62	127.8	30.64	124.9	28.80	119.3	27.81	113.7	25.28
	10	222.8	142.9	33.30	135.0	31.74	127.8	30.76	124.9	28.91	119.3	27.90	113.7	25.36
		278.5	142.1	29.60	134.5	27.99	127.8	26.95	124.9	25.45	119.3	24.41	113.7	22.33
		557.0	142.3	29.55	134.6	27.93	127.8	26.89	124.9	25.45	119.3	24.41	113.7	22.33
		696.3	142.9	29.32	135.1	27.70	127.8	26.66	124.9	25.45	119.3	24.41	113.7	22.33
		835.5	142.9	29.43	135.1	27.81	127.8	26.78	124.9	25.56	119.3	24.24	113.7	22.39
	15	222.8	142.9	29.49	135.1	27.87	127.8	26.83	124.9	25.62	119.3	24.15	113.7	22.42
		278.5	142.9	27.05	135.1	25.38	127.8	24.30	124.9	22.98	119.3	21.90	113.7	20.23
		557.0	142.9	26.78	135.1	25.10	127.8	24.01	124.9	22.85	119.3	21.76	113.7	20.08
		696.3	142.9	25.68	135.1	24.01	127.8	22.85	124.9	22.33	119.3	21.18	113.7	19.50
		835.5	142.9	25.68	135.1	24.01	127.8	22.85	124.9	22.33	119.3	20.66	113.7	19.50
	20	222.8	142.9	25.68	135.1	24.01	127.8	22.85	124.9	22.33	119.3	20.40	113.7	19.50
		278.5	142.9	22.48	135.1	21.31	127.8	20.80	124.9	20.23	119.3	19.13	113.7	17.96
		557.0	142.9	22.33	135.1	21.18	127.8	20.66	124.9	20.08	119.3	18.99	113.7	17.83
		696.3	142.9	21.76	135.1	20.66	127.8	20.08	124.9	19.50	119.3	18.41	113.7	17.31
		835.5	142.9	21.76	135.1	20.66	127.8	20.08	124.9	18.99	119.3	18.41	113.7	16.74
	25	222.8	142.9	21.76	135.1	20.66	127.8	20.08	124.9	18.72	119.3	18.41	113.7	16.44
		278.5	142.9	20.23	135.1	19.13	127.8	17.96	124.9	17.46	119.3	16.16	113.7	15.06
		557.0	142.9	20.08	135.1	18.99	127.8	17.83	124.9	17.31	119.3	16.16	113.7	15.06
		696.3	142.9	19.50	135.1	18.41	127.8	17.31	124.9	16.74	119.3	16.16	113.7	15.06
		835.5	142.9	18.99	135.1	17.83	127.8	17.31	124.9	16.74	119.3	15.64	113.7	15.06
	30	222.8	142.9	18.72	135.1	17.54	127.8	17.31	124.9	16.74	119.3	15.38	113.7	15.06
		278.5	142.9	17.96	135.1	16.88	127.8	15.78	124.9	15.06	119.3	14.62	113.7	13.39
		557.0	142.9	17.83	135.1	16.74	127.8	15.64	124.9	15.06	119.3	14.48	113.7	13.39
		696.3	142.9	17.31	135.1	16.16	127.8	15.06	124.9	15.06	119.3	13.97	113.7	13.39
		835.5	142.9	17.31	135.1	16.16	127.8	15.06	124.9	14.48	119.3	13.97	113.7	13.39
	35	222.8	142.9	17.31	135.1	16.16	127.8	15.06	124.9	14.19	119.3	13.97	113.7	13.39
		278.5	142.9	16.29	135.1	15.21	127.8	13.97	124.9	14.11	119.3	12.81	113.7	12.44
		557.0	142.9	16.16	135.1	15.06	127.8	13.97	124.9	13.97	119.3	12.81	113.7	12.29
		696.3	142.9	15.64	135.1	14.48	127.8	13.97	124.9	13.39	119.3	12.81	113.7	11.71
		835.5	142.9	15.64	135.1	14.48	127.8	13.39	124.9	13.39	119.3	12.81	113.7	11.71
	40	222.8	142.9	15.64	135.1	14.48	127.8	13.10	124.9	13.39	119.3	12.81	113.7	11.71
		278.5	142.9	15.21	135.1	14.11	127.8	12.94	124.9	12.29	119.3	11.71	113.7	11.27
		557.0	142.9	15.06	135.1	13.97	127.8	12.81	124.9	12.29	119.3	11.71	113.7	11.14
		696.3	142.9	14.48	135.1	13.39	127.8	12.29	124.9	12.29	119.3	11.71	113.7	10.62
		835.5	142.9	14.48	135.1	13.39	127.8	12.29	124.9	11.71	119.3	11.14	113.7	10.62
	45	222.8	142.9	14.48	135.1	13.39	127.8	12.29	124.9	11.42	119.3	10.85	113.7	10.62
		278.5	142.9	14.11	135.1	12.94	127.8	11.99	124.9	10.49	119.3	10.62	113.7	10.19
		557.0	142.9	13.97	135.1	12.81	127.8	11.71	124.9	10.62	119.3	10.62	113.7	10.04
		696.3	142.9	13.39	135.1	12.29	127.8	10.62	124.9	11.14	119.3	10.62	113.7	9.46
		835.5	142.9	13.39	135.1	12.29	127.8	11.14	124.9	10.04	119.3	9.46	113.7	9.46
60	-5	222.8	142.9	13.39	135.1	12.29	127.8	11.40	124.9	9.49	119.3	8.88	113.7	9.46
		278.5	49.1	16.37	46.0	15.75	43.5	15.13	43.0	14.06	42.9	13.83	42.0	12.36
		557.0	50.8	16.74	47.6	16.10	45.0	15.47	44.5	14.37	44.4	14.14	43.5	12.64
		696.3	57.6	18.18	53.9	17.49	51.0	16.79	50.5	15.58	50.3	15.35	49.3	13.73
		835.5	63.6	19.56	59.5	18.87	56.4	18.12	55.7	16.85	55.6	16.56	54.4	14.77

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heading Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	222.8	66.6	20.26	62.3	19.57	59.2	18.79	58.4	17.49	58.2	17.17	57.0	15.30
		278.5	87.9	23.99	80.9	23.14	75.5	22.14	74.0	20.60	73.0	20.31	70.3	18.13
		557.0	88.4	24.06	81.4	23.20	76.0	22.22	74.4	20.66	73.4	20.37	70.7	18.18
		696.3	90.4	24.35	83.3	23.43	77.8	22.51	76.1	20.89	75.1	20.60	72.2	18.35
		835.5	91.8	24.35	84.6	23.43	79.0	22.51	77.3	20.89	76.3	20.60	73.4	18.35
	5	222.8	92.5	24.35	85.3	23.43	79.6	22.51	77.9	20.89	76.9	20.60	74.0	18.35
		278.5	121.4	26.13	114.5	25.14	109.8	24.11	107.1	22.45	102.5	22.10	97.6	19.69
		557.0	121.7	26.26	114.7	25.28	109.8	24.24	107.1	22.56	102.5	22.22	97.6	19.79
		696.3	122.7	26.78	115.6	25.79	109.8	24.76	107.1	23.03	102.5	22.68	97.6	20.20
		835.5	122.7	27.01	115.4	25.97	109.8	24.93	107.1	23.20	102.5	22.79	97.6	20.37
	10	222.8	122.7	27.12	115.3	26.06	109.8	25.02	107.1	23.29	102.5	22.85	97.6	20.46
		278.5	122.1	24.01	114.9	22.97	109.8	21.87	107.1	20.43	102.5	20.04	97.6	17.96
		557.0	122.2	24.01	115.1	22.97	109.8	21.87	107.1	20.49	102.5	20.02	97.6	18.00
		696.3	122.7	24.01	115.6	22.97	109.8	21.87	107.1	20.72	102.5	19.97	97.6	18.18
		835.5	122.7	24.06	115.4	22.74	109.8	21.64	107.1	20.49	102.5	19.79	97.6	18.00
	15	222.8	122.7	24.09	115.3	22.62	109.8	21.52	107.1	20.37	102.5	19.71	97.6	17.92
		278.5	122.7	21.90	115.4	20.80	109.8	19.64	107.1	18.41	102.5	17.96	97.6	16.16
		557.0	122.7	21.76	115.4	20.66	109.8	19.50	107.1	18.41	102.5	17.83	97.6	16.16
		696.3	122.7	21.18	115.4	20.08	109.8	18.99	107.1	18.41	102.5	17.31	97.6	16.16
		835.5	122.7	21.18	115.4	19.50	109.8	18.41	107.1	17.83	102.5	16.74	97.6	15.64
	20	222.8	122.7	21.18	115.4	19.21	109.8	18.12	107.1	17.54	102.5	16.44	97.6	15.38
		278.5	122.7	19.13	115.4	17.96	109.8	16.88	107.1	16.29	102.5	15.78	97.6	14.62
		557.0	122.7	18.99	115.4	17.83	109.8	16.74	107.1	16.16	102.5	15.64	97.6	14.48
		696.3	122.7	18.41	115.4	17.31	109.8	16.16	107.1	15.64	102.5	15.06	97.6	13.97
		835.5	122.7	18.41	115.4	17.31	109.8	16.16	107.1	15.64	102.5	15.06	97.6	13.97
	25	222.8	122.7	18.41	115.4	17.31	109.8	16.16	107.1	15.64	102.5	15.06	97.6	13.97
		278.5	122.7	16.88	115.4	15.78	109.8	14.48	107.1	14.62	102.5	13.39	97.6	12.94
		557.0	122.7	16.74	115.4	15.64	109.8	14.48	107.1	14.48	102.5	13.39	97.6	12.81
		696.3	122.7	16.16	115.4	15.06	109.8	14.48	107.1	13.97	102.5	13.39	97.6	12.29
		835.5	122.7	16.16	115.4	15.06	109.8	13.97	107.1	13.97	102.5	13.39	97.6	12.29
	30	222.8	122.7	16.16	115.4	15.06	109.8	13.70	107.1	13.97	102.5	13.39	97.6	12.29
		278.5	122.7	15.21	115.4	14.11	109.8	13.53	107.1	12.94	102.5	12.44	97.6	11.86
		557.0	122.7	15.06	115.4	13.97	109.8	13.39	107.1	12.81	102.5	12.29	97.6	11.71
		696.3	122.7	14.48	115.4	13.39	109.8	12.81	107.1	12.29	102.5	11.71	97.6	11.14
		835.5	122.7	14.48	115.4	13.39	109.8	12.81	107.1	12.29	102.5	11.71	97.6	11.14
	35	222.8	122.7	14.48	115.4	13.39	109.8	12.81	107.1	12.29	102.5	11.71	97.6	11.14
		278.5	122.7	13.39	115.4	12.94	109.8	11.71	107.1	11.86	102.5	11.27	97.6	10.76
		557.0	122.7	13.39	115.4	12.81	109.8	11.71	107.1	11.71	102.5	11.14	97.6	10.62
		696.3	122.7	13.39	115.4	12.29	109.8	11.71	107.1	11.14	102.5	10.62	97.6	10.04
		835.5	122.7	13.39	115.4	12.29	109.8	11.14	107.1	11.14	102.5	10.62	97.6	10.04
	40	222.8	122.7	13.39	115.4	12.29	109.8	10.85	107.1	11.14	102.5	10.62	97.6	10.04
		278.5	122.7	12.29	115.4	11.86	109.8	10.62	107.1	10.76	102.5	10.19	97.6	9.46
		557.0	122.7	12.29	115.4	11.71	109.8	10.62	107.1	10.62	102.5	10.04	97.6	9.46
		696.3	122.7	12.29	115.4	11.14	109.8	10.62	107.1	10.04	102.5	9.46	97.6	9.46
		835.5	122.7	12.29	115.4	11.14	109.8	10.62	107.1	10.04	102.5	9.46	97.6	9.46
	45	222.8	122.7	12.29	115.4	11.14	109.8	10.62	107.1	10.04	102.5	9.46	97.6	9.46
		278.5	122.7	11.14	115.4	10.76	109.8	9.46	107.1	9.60	102.5	9.09	97.6	8.22
		557.0	122.7	11.14	115.4	10.62	109.8	9.46	107.1	9.46	102.5	8.94	97.6	8.37
		696.3	122.7	11.14	115.4	10.04	109.8	9.46	107.1	8.94	102.5	8.37	97.6	8.94
		835.5	122.7	11.14	115.4	10.04	109.8	10.04	107.1	8.94	102.5	8.37	97.6	8.94
50	-5	222.8	122.7	11.14	115.4	10.04	109.8	10.33	107.1	8.94	102.5	8.37	97.6	8.94
		278.5	40.9	13.05	38.5	12.36	36.3	11.70	35.8	11.06	35.6	10.38	35.0	9.84
		557.0	42.3	13.33	39.8	12.64	37.6	11.95	37.0	11.31	36.9	10.62	36.2	10.04
		696.3	47.8	14.43	44.9	13.73	42.5	12.93	42.0	12.29	41.8	11.54	41.0	10.85
		835.5	52.9	15.58	49.6	14.77	46.9	13.97	46.4	13.27	46.1	12.41	45.4	11.71
	0	222.8	55.4	16.16	52.0	15.30	49.1	14.49	48.6	13.77	48.2	12.84	47.6	12.15
		278.5	73.0	19.11	67.6	18.13	62.8	17.08	61.5	16.22	60.6	15.25	58.5	14.38
		557.0	73.4	19.16	68.0	18.18	63.2	17.14	61.9	16.27	61.0	15.29	58.8	14.43
		696.3	75.1	19.33	69.5	18.35	64.8	17.37	63.4	16.50	62.5	15.47	60.2	14.60
		835.5	76.3	19.33	70.5	18.35	65.6	17.37	64.4	16.50	63.4	15.47	61.2	14.60
	5	222.8	76.9	19.33	71.0	18.35	66.0	17.37	64.9	16.50	63.8	15.47	61.7	14.60
		278.5	100.9	20.79	95.7	19.69	91.2	18.60	89.1	17.69	85.1	16.60	81.2	15.61
		557.0	101.1	20.89	95.9	19.79	91.3	18.70	89.1	17.77	85.1	16.68	81.2	15.70
		696.3	102.0	21.29	96.5	20.20	91.4	19.10	89.1	18.12	85.1	16.97	81.2	16.04
		835.5	102.0	21.47	96.4	20.37	91.4	19.22	89.1	18.24	85.1	17.14	81.2	16.16

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(58HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	222.8	102.0	21.55	96.3	20.46	91.4	19.27	89.1	18.29	85.1	17.23	81.2	16.22
		278.5	101.5	19.13	95.9	18.02	91.2	16.94	89.1	16.19	85.1	14.96	81.2	14.28
		557.0	101.6	19.10	96.0	18.00	91.3	16.91	89.1	16.16	85.1	15.00	81.2	14.25
		696.3	102.0	18.99	96.5	17.95	91.4	16.79	89.1	16.04	85.1	15.18	81.2	14.14
		835.5	102.0	19.10	96.4	18.00	91.4	16.85	89.1	16.10	85.1	14.95	81.2	14.20
	15	222.8	102.0	19.16	96.3	18.03	91.4	16.88	89.1	16.13	85.1	14.83	81.2	14.22
		278.5	102.0	17.46	96.4	16.29	91.4	15.21	89.1	14.62	85.1	13.39	81.2	12.94
		557.0	102.0	17.31	96.4	16.16	91.4	15.06	89.1	14.48	85.1	13.39	81.2	12.81
		696.3	102.0	16.74	96.4	15.64	91.4	14.48	89.1	13.97	85.1	13.39	81.2	12.29
		835.5	102.0	16.74	96.4	15.64	91.4	14.48	89.1	13.97	85.1	12.81	81.2	12.29
	20	222.8	102.0	16.74	96.4	15.64	91.4	14.48	89.1	13.97	85.1	12.52	81.2	12.29
		278.5	102.0	15.21	96.4	14.11	91.4	13.53	89.1	12.94	85.1	12.44	81.2	11.14
		557.0	102.0	15.06	96.4	13.97	91.4	13.39	89.1	12.81	85.1	12.29	81.2	11.14
		696.3	102.0	14.48	96.4	13.39	91.4	12.81	89.1	12.29	85.1	11.71	81.2	11.14
		835.5	102.0	14.48	96.4	13.39	91.4	12.81	89.1	12.29	85.1	11.71	81.2	11.14
	25	222.8	102.0	14.48	96.4	13.39	91.4	12.81	89.1	12.29	85.1	11.71	81.2	11.14
		278.5	102.0	13.53	96.4	12.29	91.4	11.86	89.1	11.14	85.1	10.62	81.2	10.04
		557.0	102.0	13.39	96.4	12.29	91.4	11.71	89.1	11.14	85.1	10.62	81.2	10.04
		696.3	102.0	12.81	96.4	12.29	91.4	11.14	89.1	11.14	85.1	10.62	81.2	10.04
		835.5	102.0	12.81	96.4	12.29	91.4	11.14	89.1	11.14	85.1	10.62	81.2	10.04
	30	222.8	102.0	12.81	96.4	12.29	91.4	11.14	89.1	11.14	85.1	10.62	81.2	10.04
		278.5	102.0	12.44	96.4	11.27	91.4	10.76	89.1	10.04	85.1	10.19	81.2	9.60
		557.0	102.0	12.29	96.4	11.14	91.4	10.62	89.1	10.04	85.1	10.04	81.2	9.46
		696.3	102.0	11.71	96.4	10.62	91.4	10.04	89.1	10.04	85.1	9.46	81.2	8.94
		835.5	102.0	11.71	96.4	10.62	91.4	10.04	89.1	10.04	85.1	9.46	81.2	8.94
	35	222.8	102.0	11.71	96.4	10.62	91.4	10.04	89.1	10.04	85.1	9.46	81.2	8.94
		278.5	102.0	11.27	96.4	10.04	91.4	9.46	89.1	9.60	85.1	8.94	81.2	8.37
		557.0	102.0	11.14	96.4	10.04	91.4	9.46	89.1	9.46	85.1	8.94	81.2	8.37
		696.3	102.0	10.62	96.4	10.04	91.4	9.46	89.1	8.94	85.1	8.94	81.2	8.37
		835.5	102.0	10.62	96.4	10.04	91.4	9.46	89.1	8.94	85.1	8.94	81.2	8.37
	40	222.8	102.0	10.62	96.4	10.04	91.4	9.46	89.1	8.94	85.1	8.94	81.2	8.37
		278.5	102.0	10.19	96.4	9.60	91.4	9.09	89.1	8.37	85.1	8.51	81.2	7.79
		557.0	102.0	10.04	96.4	9.46	91.4	8.94	89.1	8.37	85.1	8.37	81.2	7.79
		696.3	102.0	9.46	96.4	8.94	91.4	8.37	89.1	8.37	85.1	7.79	81.2	7.79
		835.5	102.0	9.46	96.4	8.94	91.4	8.37	89.1	8.37	85.1	7.79	81.2	7.79
	45	222.8	102.0	9.46	96.4	8.94	91.4	8.37	89.1	8.37	85.1	7.79	81.2	7.79
		278.5	102.0	9.09	96.4	9.24	91.4	8.64	89.1	7.14	85.1	8.07	81.2	7.27
		557.0	102.0	8.94	96.4	8.94	91.4	8.37	89.1	7.27	85.1	7.79	81.2	7.27
		696.3	102.0	8.37	96.4	7.79	91.4	7.27	89.1	7.79	85.1	6.69	81.2	7.27
		835.5	102.0	8.37	96.4	7.79	91.4	7.27	89.1	7.79	85.1	6.69	81.2	7.27

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(60HP)

ARWN600LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	230.4	89.4	36.66	88.8	34.52	88.2	32.14	87.0	31.19	88.1	30.37	85.6	27.23
		288.0	92.5	37.30	91.8	35.19	91.2	32.84	90.0	31.87	91.1	31.03	88.6	27.83
		576.0	104.6	39.84	103.7	37.85	103.2	35.61	101.8	34.59	103.0	33.62	100.4	30.18
		720.0	115.7	42.37	114.6	40.44	113.9	38.39	112.5	37.36	113.9	36.28	110.9	32.54
		864.0	121.3	43.65	120.1	41.75	119.3	39.79	117.9	38.76	119.4	37.62	116.3	33.72
	0	230.4	159.7	50.14	156.1	48.65	152.8	47.07	149.4	45.74	150.0	44.49	143.1	39.84
		288.0	160.7	50.28	157.0	48.77	153.7	47.20	150.3	45.88	150.8	44.61	144.0	39.96
		576.0	164.6	50.82	160.5	49.26	157.2	47.75	153.8	46.42	154.4	45.09	147.5	40.44
		720.0	167.0	50.82	163.0	49.26	159.6	47.75	156.1	46.42	156.7	45.09	149.6	40.44
		864.0	168.3	50.82	164.2	49.26	160.9	47.75	157.3	46.42	157.8	45.09	150.7	40.44
	5	230.4	230.0	53.90	226.6	52.57	221.8	51.23	216.3	49.78	210.4	48.41	198.8	43.35
		288.0	230.8	54.14	227.0	52.82	221.9	51.49	216.3	50.04	210.4	48.65	198.8	43.58
		576.0	234.0	55.11	228.6	53.78	222.1	52.52	216.3	51.07	210.4	49.62	198.8	44.49
		720.0	235.4	55.47	229.3	54.14	222.1	52.88	216.3	51.43	210.4	49.98	198.8	44.79
		864.0	236.1	55.66	229.6	54.33	222.1	53.06	216.3	51.61	210.4	50.16	198.8	44.94
	10	230.4	230.3	49.05	226.6	47.40	221.2	46.51	215.4	45.47	209.6	43.91	198.0	39.63
		288.0	231.7	48.95	227.7	47.44	222.1	46.60	216.3	45.45	210.4	43.88	198.8	39.60
		576.0	237.2	48.59	231.9	47.63	225.6	46.96	219.8	45.39	213.6	43.76	202.0	39.48
		720.0	238.4	49.26	233.5	48.29	227.0	47.14	220.8	45.57	215.0	44.49	203.2	41.35
		864.0	239.0	49.59	234.3	48.62	227.7	47.23	221.4	45.66	215.7	44.85	203.9	42.29
	15	230.4	230.7	44.20	226.7	42.32	220.3	41.86	214.5	41.17	208.9	39.42	197.2	35.92
		288.0	232.6	43.76	228.4	42.13	222.1	41.77	216.3	40.87	210.4	39.11	198.8	35.61
		576.0	240.2	42.01	235.2	41.41	229.1	41.41	223.3	39.66	216.8	37.91	205.2	34.41
		720.0	241.4	43.04	237.5	42.37	231.9	41.41	225.6	39.66	219.8	38.99	207.6	37.91
		864.0	242.0	43.56	238.7	42.86	233.3	41.41	226.7	39.66	221.3	39.54	208.9	39.67
	20	230.4	239.5	40.55	235.1	38.66	228.9	37.82	222.6	36.61	216.1	35.79	203.3	34.70
		288.0	241.4	40.26	237.0	38.63	230.7	37.79	224.3	36.76	218.0	36.04	205.2	34.41
		576.0	249.0	39.11	244.6	38.51	237.7	37.67	231.4	37.36	225.6	37.00	212.7	33.26
		720.0	250.0	39.11	246.3	38.51	240.5	37.91	233.7	37.36	227.3	37.00	214.5	35.37
		864.0	250.5	39.11	247.2	38.51	241.9	38.03	234.8	37.36	228.2	37.00	215.4	36.44
	25	230.4	252.8	38.66	246.3	37.55	240.5	36.91	235.9	36.29	230.7	35.77	217.5	33.41
		288.0	252.8	38.51	246.3	37.48	240.5	36.76	235.9	36.16	230.7	35.61	217.5	33.26
		576.0	252.8	37.91	246.3	37.24	240.5	36.16	235.9	35.61	230.7	35.01	217.5	32.66
		720.0	252.8	37.36	246.3	36.28	240.5	35.61	235.9	35.01	230.7	34.41	217.5	32.11
		864.0	252.8	37.09	246.3	35.79	240.5	35.34	235.9	34.71	230.7	34.10	217.5	31.84
	30	230.4	252.8	37.67	246.3	35.80	240.5	35.46	235.9	34.54	230.7	34.17	217.5	31.80
		288.0	252.8	37.36	246.3	35.73	240.5	35.25	235.9	34.41	230.7	33.86	217.5	31.51
		576.0	252.8	36.16	246.3	35.49	240.5	34.41	235.9	33.86	230.7	32.66	217.5	30.36
		720.0	252.8	35.61	246.3	34.53	240.5	33.86	235.9	33.26	230.7	32.66	217.5	30.36
		864.0	252.8	35.34	246.3	34.04	240.5	33.59	235.9	32.96	230.7	32.66	217.5	30.36
	35	230.4	252.8	35.92	246.3	34.73	240.5	34.02	235.9	32.79	230.7	31.66	217.5	29.44
		288.0	252.8	35.61	246.3	34.53	240.5	33.86	235.9	32.66	230.7	31.51	217.5	29.15
		576.0	252.8	34.41	246.3	33.74	240.5	33.26	235.9	32.11	230.7	30.91	217.5	28.01
		720.0	252.8	34.41	246.3	33.38	240.5	32.66	235.9	31.51	230.7	30.36	217.5	28.01
		864.0	252.8	34.41	246.3	33.20	240.5	32.35	235.9	31.20	230.7	30.09	217.5	28.01
	40	230.4	252.8	34.70	246.3	33.59	240.5	32.95	235.9	31.80	230.7	30.67	217.5	27.69
		288.0	252.8	34.41	246.3	33.38	240.5	32.66	235.9	31.51	230.7	30.36	217.5	27.40
		576.0	252.8	33.26	246.3	32.54	240.5	31.51	235.9	30.36	230.7	29.15	217.5	26.26
		720.0	252.8	32.66	246.3	31.99	240.5	31.51	235.9	30.36	230.7	29.15	217.5	26.26
		864.0	252.8	32.35	246.3	31.72	240.5	31.51	235.9	30.36	230.7	29.15	217.5	26.26
	45	230.4	252.8	33.55	246.3	32.45	240.5	31.95	235.9	30.80	230.7	29.60	217.5	25.94
		288.0	252.8	33.26	246.3	32.23	240.5	31.51	235.9	30.36	230.7	29.15	217.5	25.65
		576.0	252.8	32.11	246.3	31.39	240.5	29.76	235.9	28.61	230.7	27.40	217.5	24.51
		720.0	252.8	30.91	246.3	30.60	240.5	30.36	235.9	29.15	230.7	28.01	217.5	24.51
		864.0	252.8	30.30	246.3	30.21	240.5	30.67	235.9	29.43	230.7	28.31	217.5	24.51
120	-5	230.4	85.0	36.66	84.3	34.52	83.8	32.14	82.8	30.78	83.4	29.89	81.2	26.75
		288.0	87.9	37.30	87.2	35.19	86.7	32.84	85.6	31.45	86.3	30.54	84.0	27.34
		576.0	99.5	39.84	98.6	37.85	98.1	35.61	96.9	34.10	97.8	33.14	95.1	29.70
		720.0	109.9	42.37	109.0	40.44	108.3	38.39	107.1	36.82	107.9	35.73	105.0	31.99
		864.0	115.1	43.65	114.2	41.75	113.4	39.79	112.2	38.19	113.1	37.04	109.9	33.15
	0	230.4	151.9	50.14	148.2	48.65	145.0	47.07	142.1	45.07	142.1	43.82	135.6	39.17
		288.0	152.8	50.28	149.1	48.77	145.9	47.20	142.9	45.21	142.9	43.94	136.4	39.30
		576.0	156.3	50.82	152.6	49.26	149.4	47.75	146.3	45.75	146.3	44.43	139.8	39.78
		720.0	158.8	50.82	155.1	49.26	151.7	47.75	148.6	45.75	148.4	44.43	141.9	39.78
		864.0	160.0	50.82	156.3	49.26	152.9	47.75	149.7	45.75	149.5	44.43	142.9	39.78

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	230.4	219.0	53.90	215.7	52.57	211.0	51.23	205.9	49.06	199.4	47.68	188.5	42.70
		288.0	219.8	54.14	216.1	52.82	211.0	51.49	205.9	49.32	199.4	47.93	188.5	42.92
		576.0	222.9	55.11	217.7	53.78	211.0	52.52	205.9	50.34	199.4	48.89	188.5	43.76
		720.0	224.2	55.47	216.4	54.14	211.0	52.88	205.9	50.70	199.4	49.26	188.5	44.06
		864.0	224.8	55.66	215.8	54.33	211.0	53.06	205.9	50.89	199.4	49.44	188.5	44.22
	10	230.4	219.8	48.42	215.7	47.08	210.4	46.13	205.3	44.73	198.8	43.25	188.0	38.89
		288.0	220.8	48.59	216.6	47.26	211.0	46.30	205.9	44.79	199.4	43.22	188.5	38.93
		576.0	224.9	49.26	220.1	47.99	213.3	46.96	208.2	45.03	201.5	43.10	190.4	39.11
		720.0	226.1	49.07	219.4	47.99	214.1	47.14	209.0	45.21	202.4	43.28	191.3	40.44
		864.0	226.7	48.98	219.1	47.99	214.6	47.23	209.5	45.30	202.8	43.37	191.7	41.11
	15	230.4	220.4	42.95	216.0	41.68	209.8	41.03	204.7	40.41	198.4	38.80	187.5	35.16
		288.0	221.7	43.04	217.3	41.77	211.0	41.11	205.9	40.26	199.4	38.51	188.5	35.01
		576.0	226.8	43.40	222.6	42.13	215.7	41.41	210.4	39.66	203.4	37.36	192.5	34.41
		720.0	228.0	42.74	222.4	41.77	217.5	41.41	212.2	39.66	205.2	37.36	194.3	36.76
		864.0	228.7	42.40	222.3	41.59	218.4	41.41	213.1	39.66	206.1	37.36	195.2	37.95
	20	230.4	226.6	38.63	222.3	36.99	215.6	36.00	209.6	35.48	202.8	35.04	191.9	33.26
		288.0	228.0	38.63	223.6	37.12	216.8	36.16	211.0	35.61	204.1	35.01	193.0	33.14
		576.0	233.8	38.63	228.9	37.67	221.5	36.76	216.3	36.16	209.2	34.89	197.6	32.66
		720.0	234.9	38.27	228.7	37.36	223.3	36.76	217.5	36.16	210.4	35.01	198.8	33.86
		864.0	235.4	38.09	228.6	37.21	224.2	36.76	218.1	36.16	211.1	35.07	199.5	34.47
	25	230.4	237.6	36.54	230.7	34.83	223.3	34.17	218.5	33.41	212.7	32.79	201.1	30.51
		288.0	237.7	36.40	230.7	34.77	223.3	34.10	218.5	33.26	212.7	32.66	201.1	30.36
		576.0	238.2	35.86	230.7	34.53	223.3	33.86	218.5	32.66	212.7	32.11	201.1	29.76
		720.0	238.9	34.53	230.7	33.62	223.3	33.26	218.5	32.66	212.7	31.51	201.1	29.76
		864.0	239.3	33.86	230.7	33.17	223.3	32.96	218.5	32.66	212.7	31.20	201.1	29.76
	30	230.4	238.9	34.94	230.7	33.22	223.3	32.27	218.5	31.04	212.7	30.67	201.1	28.16
		288.0	238.9	34.65	230.7	33.02	223.3	32.11	218.5	30.91	212.7	30.36	201.1	28.01
		576.0	238.9	33.50	230.7	32.23	223.3	31.51	218.5	30.36	212.7	29.15	201.1	27.40
		720.0	238.9	32.41	230.7	31.51	223.3	30.91	218.5	30.36	212.7	29.15	201.1	26.86
		864.0	238.9	31.87	230.7	31.14	223.3	30.60	218.5	30.36	212.7	29.15	201.1	26.59
	35	230.4	238.9	33.37	230.7	31.56	223.3	30.67	218.5	29.44	212.7	28.30	201.1	25.79
		288.0	238.9	32.90	230.7	31.27	223.3	30.36	218.5	29.15	212.7	28.01	201.1	25.65
		576.0	238.9	31.03	230.7	30.12	223.3	29.15	218.5	28.01	212.7	26.86	201.1	25.11
		720.0	238.9	30.66	230.7	29.88	223.3	29.15	218.5	28.01	212.7	26.86	201.1	24.51
		864.0	238.9	30.48	230.7	29.76	223.3	29.15	218.5	28.01	212.7	26.86	201.1	24.20
	40	230.4	238.9	32.38	230.7	30.11	223.3	28.92	218.5	27.69	212.7	26.55	201.1	24.04
		288.0	238.9	31.75	230.7	29.76	223.3	28.61	218.5	27.40	212.7	26.26	201.1	23.90
		576.0	238.9	29.28	230.7	28.37	223.3	27.40	218.5	26.26	212.7	25.11	201.1	23.36
		720.0	238.9	28.91	230.7	28.01	223.3	27.40	218.5	26.26	212.7	25.11	201.1	22.76
		864.0	238.9	28.73	230.7	27.83	223.3	27.40	218.5	26.26	212.7	25.11	201.1	22.45
	45	230.4	238.9	31.38	230.7	28.66	223.3	27.17	218.5	25.94	212.7	24.80	201.1	22.29
		288.0	238.9	30.60	230.7	28.25	223.3	26.86	218.5	25.65	212.7	24.51	201.1	22.15
		576.0	238.9	27.53	230.7	26.62	223.3	25.65	218.5	24.51	212.7	23.36	201.1	21.61
		720.0	238.9	27.16	230.7	26.14	223.3	25.65	218.5	24.51	212.7	23.36	201.1	21.01
		864.0	238.9	26.98	230.7	25.89	223.3	25.65	218.5	24.51	212.7	23.36	201.1	20.70
110	-5	230.4	80.4	37.15	79.9	34.52	79.4	32.14	78.5	30.78	78.7	29.89	77.0	26.75
		288.0	83.2	37.79	82.6	35.19	82.1	32.84	81.2	31.45	81.4	30.54	79.6	27.34
		576.0	94.1	40.32	93.5	37.85	93.0	35.61	92.0	34.10	92.0	33.14	90.2	29.70
		720.0	103.9	42.92	103.2	40.44	102.7	38.39	101.6	36.82	101.6	35.73	99.5	31.99
		864.0	108.9	44.23	108.1	41.75	107.5	39.79	106.5	38.19	106.5	37.04	104.2	33.15
	0	230.4	143.7	50.82	140.5	48.65	137.6	47.07	134.9	45.07	133.7	43.82	128.6	39.17
		288.0	144.5	50.95	141.4	48.77	138.4	47.20	135.7	45.21	134.5	43.94	129.4	39.30
		576.0	147.9	51.43	144.7	49.26	141.5	47.75	138.9	45.75	137.7	44.43	132.4	39.78
		720.0	150.1	51.43	147.0	49.26	143.8	47.75	141.0	45.75	139.8	44.43	134.3	39.78
		864.0	151.3	51.43	148.1	49.26	145.0	47.75	142.1	45.75	140.8	44.43	135.3	39.78
	5	230.4	209.6	54.63	204.6	52.57	199.9	51.23	195.3	49.06	187.8	47.68	178.6	42.70
		288.0	210.3	54.87	205.0	52.82	199.9	51.49	195.3	49.32	187.8	47.93	178.6	42.92
		576.0	213.1	55.83	206.6	53.78	200.1	52.52	195.3	50.34	187.8	48.89	178.6	43.76
		720.0	214.3	56.20	207.1	54.14	200.1	52.88	195.3	50.70	187.8	49.26	178.6	44.06
		864.0	214.9	56.38	207.4	54.33	200.1	53.06	195.3	50.89	187.8	49.44	178.6	44.22
	10	230.4	210.4	48.98	205.2	47.31	199.6	46.28	195.0	44.73	187.5	43.25	178.4	38.89
		288.0	211.2	49.07	205.7	47.44	199.9	46.42	195.3	44.79	187.8	43.22	178.6	38.93
		576.0	214.3	49.44	207.8	47.99	201.1	46.96	196.6	45.03	189.0	43.10	179.5	39.11
		720.0	215.5	49.44	208.7	47.99	201.8	46.84	196.9	44.91	189.4	43.28	180.0	39.54
		864.0	216.2	49.44	209.1	47.99	202.2	46.78	197.1	44.85	189.5	43.37	180.3	39.75

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	230.4	211.0	43.34	205.5	42.13	199.5	41.41	194.8	40.41	187.1	38.80	178.2	35.16
		288.0	211.9	43.28	206.2	42.13	200.1	41.41	195.3	40.26	187.8	38.51	178.6	35.01
		576.0	215.4	43.04	209.2	42.13	202.4	41.41	197.6	39.66	190.2	37.36	180.4	34.41
		720.0	216.6	42.74	210.3	41.77	203.4	40.87	198.3	39.11	190.8	37.36	181.4	35.01
		864.0	217.2	42.58	210.8	41.59	203.9	40.59	198.7	38.84	191.0	37.36	182.0	35.31
	20	230.4	214.9	37.41	209.0	36.52	202.3	35.61	196.9	35.01	189.7	34.02	179.7	31.81
		288.0	216.1	37.48	209.7	36.52	202.9	35.61	197.6	35.01	190.2	33.86	180.4	31.75
		576.0	220.6	37.79	212.6	36.52	205.2	35.61	200.6	35.01	192.5	33.26	183.2	31.51
		720.0	221.9	37.79	214.3	36.52	206.4	35.61	201.1	34.41	193.6	33.26	183.7	31.51
		864.0	222.5	37.79	215.2	36.52	207.0	35.61	201.4	34.10	194.1	33.26	184.0	31.51
	25	230.4	221.6	34.04	215.0	32.79	206.4	32.27	201.8	31.04	194.8	29.91	184.4	27.40
		288.0	222.1	33.98	215.0	32.66	206.4	32.11	201.8	30.91	194.8	29.76	184.4	27.40
		576.0	223.8	33.74	215.0	32.11	206.4	31.51	201.8	30.36	194.8	29.15	184.4	27.40
		720.0	224.9	33.74	215.0	32.23	206.4	30.91	201.8	30.36	194.8	28.61	184.4	26.86
		864.0	225.4	33.74	215.0	32.29	206.4	30.60	201.8	30.36	194.8	28.34	184.4	26.59
	30	230.4	224.9	31.04	215.0	29.91	206.4	28.76	201.8	28.16	194.8	26.41	184.4	24.66
		288.0	224.9	30.91	215.0	29.76	206.4	28.61	201.8	28.01	194.8	26.26	184.4	24.51
		576.0	224.9	30.36	215.0	29.15	206.4	28.01	201.8	27.40	194.8	25.65	184.4	23.90
		720.0	224.9	30.12	215.0	28.61	206.4	27.40	201.8	26.86	194.8	25.65	184.4	23.90
		864.0	224.9	30.00	215.0	28.34	206.4	27.10	201.8	26.59	194.8	25.65	184.4	23.90
	35	230.4	224.9	29.44	215.0	27.54	206.4	26.41	201.8	25.26	194.8	24.04	184.4	22.29
		288.0	224.9	29.15	215.0	27.40	206.4	26.26	201.8	25.11	194.8	23.90	184.4	22.15
		576.0	224.9	28.01	215.0	26.86	206.4	25.65	201.8	24.51	194.8	23.36	184.4	21.61
		720.0	224.9	27.28	215.0	26.26	206.4	25.11	201.8	24.51	194.8	23.36	184.4	21.61
		864.0	224.9	26.92	215.0	25.95	206.4	24.84	201.8	24.51	194.8	23.36	184.4	21.61
	40	230.4	224.9	27.69	215.0	26.55	206.4	24.80	201.8	23.51	194.8	22.29	184.4	20.54
		288.0	224.9	27.40	215.0	26.26	206.4	24.51	201.8	23.36	194.8	22.15	184.4	20.40
		576.0	224.9	26.26	215.0	25.11	206.4	23.36	201.8	22.76	194.8	21.61	184.4	19.86
		720.0	224.9	25.90	215.0	24.51	206.4	23.36	201.8	22.15	194.8	21.01	184.4	19.26
		864.0	224.9	25.71	215.0	24.20	206.4	23.36	201.8	21.85	194.8	20.70	184.4	18.95
	45	230.4	224.9	25.94	215.0	25.55	206.4	23.20	201.8	21.76	194.8	20.54	184.4	18.79
		288.0	224.9	25.65	215.0	25.11	206.4	22.76	201.8	21.61	194.8	20.40	184.4	18.65
		576.0	224.9	24.51	215.0	23.36	206.4	21.01	201.8	21.01	194.8	19.86	184.4	18.11
		720.0	224.9	24.51	215.0	22.76	206.4	21.61	201.8	19.86	194.8	18.65	184.4	16.90
		864.0	224.9	24.51	215.0	22.45	206.4	21.91	201.8	19.28	194.8	18.04	184.4	16.29
100	-5	230.4	76.0	37.15	75.4	35.00	75.1	32.14	74.5	30.78	73.8	29.40	72.4	26.75
		288.0	78.6	37.79	78.1	35.67	77.7	32.84	77.0	31.45	76.3	30.06	74.9	27.34
		576.0	89.0	40.32	88.4	38.33	87.9	35.61	87.0	34.10	86.3	32.66	84.9	29.70
		720.0	98.3	42.92	97.6	40.99	97.0	38.39	96.2	36.82	95.5	35.19	93.7	31.99
		864.0	103.0	44.23	102.2	42.32	101.7	39.79	100.8	38.19	100.1	36.47	98.1	33.15
	0	230.4	135.8	50.82	132.8	49.31	130.1	47.07	127.8	45.07	125.5	43.16	121.1	39.17
		288.0	136.6	50.95	133.6	49.44	130.8	47.20	128.5	45.21	126.2	43.28	121.8	39.30
		576.0	139.8	51.43	136.8	49.92	133.8	47.75	131.5	45.75	129.2	43.76	124.7	39.78
		720.0	141.9	51.43	138.9	49.92	135.9	47.75	133.4	45.75	131.2	43.76	126.6	39.78
		864.0	142.9	51.43	140.0	49.92	137.0	47.75	134.4	45.75	132.1	43.76	127.6	39.78
	5	230.4	200.4	54.63	193.7	53.30	188.8	51.23	185.0	49.06	176.2	46.96	168.1	42.70
		288.0	201.1	54.87	194.1	53.54	188.8	51.49	185.0	49.32	176.2	47.20	168.1	42.92
		576.0	203.9	55.83	195.5	54.51	189.0	52.52	185.0	50.34	176.2	48.17	168.1	43.76
		720.0	205.2	56.20	196.0	54.87	189.0	52.88	185.0	50.70	176.2	48.47	168.1	44.06
		864.0	205.8	56.38	196.3	55.05	189.0	53.06	185.0	50.89	176.2	48.62	168.1	44.22
	10	230.4	201.5	48.85	194.4	47.78	189.0	46.28	185.0	44.73	176.2	42.51	168.1	38.89
		288.0	202.0	49.07	194.6	47.93	189.0	46.42	185.0	44.79	176.2	42.56	168.1	38.93
		576.0	203.9	49.98	195.7	48.53	189.0	46.96	185.0	45.03	176.2	42.74	168.1	39.11
		720.0	205.4	49.80	196.6	48.53	189.0	46.84	185.0	44.91	176.2	42.62	168.1	38.93
		864.0	206.1	49.71	197.0	48.53	189.0	46.78	185.0	44.85	176.2	42.55	168.1	38.84
	15	230.4	202.6	43.07	195.2	42.34	189.0	41.41	185.0	40.41	176.2	38.04	168.1	35.16
		288.0	202.9	43.28	195.3	42.37	189.0	41.41	185.0	40.26	176.2	37.91	168.1	35.01
		576.0	203.9	44.12	195.9	42.49	189.0	41.41	185.0	39.66	176.2	37.36	168.1	34.41
		720.0	205.7	43.40	196.9	42.13	189.0	40.87	185.0	39.11	176.2	36.76	168.1	33.86
		864.0	206.6	43.04	197.4	41.95	189.0	40.59	185.0	38.84	176.2	36.46	168.1	33.59
	20	230.4	203.7	36.83	196.3	35.88	189.0	35.01	185.0	34.54	176.2	32.27	168.1	30.67
		288.0	204.5	37.00	196.4	35.92	189.0	35.01	185.0	34.41	176.2	32.11	168.1	30.36
		576.0	207.5	37.67	196.9	36.04	189.0	35.01	185.0	33.86	176.2	31.51	168.1	29.15
		720.0	208.7	37.00	198.7	35.73	189.0	34.41	185.0	33.26	176.2	30.91	168.1	28.61
		864.0	209.3	36.67	199.6	35.58	189.0	34.10	185.0	32.96	176.2	30.60	168.1	28.34

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	230.4	206.2	32.20	199.4	31.19	189.0	29.91	185.0	28.76	176.2	27.01	168.1	24.51
		288.0	206.9	32.23	199.4	31.03	189.0	29.76	185.0	28.61	176.2	26.86	168.1	24.51
		576.0	209.9	32.35	199.4	30.36	189.0	29.15	185.0	28.01	176.2	26.26	168.1	24.51
		720.0	211.0	31.63	199.4	30.12	189.0	28.61	185.0	27.40	176.2	26.26	168.1	23.90
		864.0	211.5	31.26	199.4	30.00	189.0	28.34	185.0	27.10	176.2	26.26	168.1	23.60
	30	230.4	211.0	29.29	199.4	27.01	189.0	25.17	185.0	24.66	176.2	22.76	168.1	21.76
		288.0	211.0	29.15	199.4	26.86	189.0	25.11	185.0	24.51	176.2	22.76	168.1	21.61
		576.0	211.0	28.61	199.4	26.26	189.0	24.87	185.0	23.90	176.2	22.76	168.1	21.01
		720.0	211.0	28.01	199.4	26.26	189.0	24.51	185.0	23.90	176.2	22.15	168.1	21.01
		864.0	211.0	27.70	199.4	26.26	189.0	24.32	185.0	23.90	176.2	21.85	168.1	21.01
	35	230.4	211.0	27.17	199.4	24.80	189.0	22.21	185.0	21.76	176.2	20.54	168.1	18.79
		288.0	211.0	26.86	199.4	24.51	189.0	22.15	185.0	21.61	176.2	20.40	168.1	18.65
		576.0	211.0	25.65	199.4	23.36	189.0	21.91	185.0	21.01	176.2	19.86	168.1	18.11
		720.0	211.0	25.65	199.4	23.36	189.0	21.61	185.0	21.01	176.2	19.86	168.1	18.11
		864.0	211.0	25.65	199.4	23.36	189.0	21.46	185.0	21.01	176.2	19.86	168.1	18.11
	40	230.4	211.0	25.42	199.4	23.05	189.0	19.92	185.0	19.41	176.2	18.26	168.1	17.04
		288.0	211.0	25.11	199.4	22.76	189.0	19.86	185.0	19.26	176.2	18.11	168.1	16.90
		576.0	211.0	23.90	199.4	21.61	189.0	19.62	185.0	18.65	176.2	17.51	168.1	16.36
		720.0	211.0	23.36	199.4	21.61	189.0	19.26	185.0	18.65	176.2	17.51	168.1	16.36
		864.0	211.0	23.09	199.4	21.61	189.0	19.07	185.0	18.65	176.2	17.51	168.1	16.36
	45	230.4	211.0	23.67	199.4	21.30	189.0	17.57	185.0	17.04	176.2	15.91	168.1	15.29
		288.0	211.0	23.36	199.4	21.01	189.0	17.51	185.0	16.90	176.2	15.75	168.1	15.15
		576.0	211.0	22.15	199.4	19.86	189.0	17.26	185.0	16.36	176.2	15.15	168.1	14.61
		720.0	211.0	21.01	199.4	19.86	189.0	16.90	185.0	16.36	176.2	15.15	168.1	14.61
		864.0	211.0	20.43	199.4	19.86	189.0	16.72	185.0	16.36	176.2	15.15	168.1	14.61
90	-5	230.4	71.7	34.48	69.5	31.40	67.5	27.58	67.0	26.28	66.4	25.33	65.3	22.74
		288.0	74.2	35.07	71.9	31.99	69.8	28.19	69.3	26.86	68.7	25.90	67.5	23.24
		576.0	84.0	37.42	81.4	34.35	78.9	30.60	78.4	29.15	77.9	28.13	76.3	25.23
		720.0	92.8	39.78	89.8	36.76	87.2	33.02	86.5	31.45	86.0	30.30	84.4	27.22
		864.0	97.3	40.96	94.1	37.98	91.4	34.23	90.6	32.60	90.0	31.40	88.5	28.23
	0	230.4	128.3	46.96	122.4	44.06	116.7	40.46	115.0	38.59	113.1	37.14	108.9	33.35
		288.0	129.0	47.08	123.1	44.19	117.4	40.56	115.7	38.69	113.8	37.24	109.5	33.44
		576.0	132.0	47.57	125.9	44.67	120.3	40.99	118.3	39.11	116.4	37.67	112.2	33.80
		720.0	134.0	47.57	127.8	44.67	122.2	40.99	120.1	39.11	118.3	37.67	113.9	33.80
		864.0	134.9	47.57	128.8	44.67	123.2	40.99	121.0	39.11	119.3	37.67	114.8	33.80
	5	230.4	181.3	50.42	175.4	47.58	169.8	44.03	166.3	41.98	158.9	40.41	151.4	36.28
		288.0	181.4	50.64	175.3	47.81	169.8	44.25	166.3	42.19	158.9	40.62	151.4	36.46
		576.0	182.1	51.55	174.8	48.71	169.8	45.09	166.3	43.04	158.9	41.47	151.4	37.18
		720.0	183.2	51.85	175.3	49.01	169.8	45.45	166.3	43.34	158.9	41.77	151.4	37.48
		864.0	183.7	52.00	175.6	49.17	169.8	45.64	166.3	43.49	158.9	41.92	151.4	37.64
	10	230.4	182.2	44.52	176.0	42.33	169.8	39.85	166.3	38.22	158.9	36.67	151.4	33.05
		288.0	182.1	44.55	175.8	42.37	169.8	39.90	166.3	38.27	158.9	36.64	151.4	33.08
		576.0	181.8	44.67	174.9	42.56	169.8	40.08	166.3	38.45	158.9	36.52	151.4	33.20
		720.0	183.0	44.55	175.5	42.43	169.8	39.96	166.3	38.33	158.9	36.64	151.4	33.32
		864.0	183.6	44.49	175.7	42.37	169.8	39.90	166.3	38.27	158.9	36.70	151.4	33.38
	15	230.4	183.2	38.54	176.7	37.15	169.8	35.77	166.3	34.54	158.9	32.95	151.4	29.91
		288.0	182.8	38.39	176.3	37.00	169.8	35.61	166.3	34.41	158.9	32.66	151.4	29.76
		576.0	181.6	37.79	175.1	36.40	169.8	35.01	166.3	33.86	158.9	31.51	151.4	29.15
		720.0	182.8	37.24	175.6	35.86	169.8	34.41	166.3	33.26	158.9	31.51	151.4	29.15
		864.0	183.5	36.97	175.9	35.58	169.8	34.10	166.3	32.96	158.9	31.51	151.4	29.15
	20	230.4	184.3	32.54	177.4	31.60	169.8	30.51	166.3	29.29	158.9	28.30	151.4	26.55
		288.0	184.1	32.54	177.0	31.51	169.8	30.36	166.3	29.15	158.9	28.01	151.4	26.26
		576.0	183.4	32.54	175.6	31.15	169.8	29.76	166.3	28.61	158.9	26.86	151.4	25.11
		720.0	183.9	31.99	176.2	30.91	169.8	29.76	166.3	28.61	158.9	26.86	151.4	25.11
		864.0	184.2	31.72	176.4	30.78	169.8	29.76	166.3	28.61	158.9	26.86	151.4	25.11
	25	230.4	187.3	28.43	179.7	26.92	169.8	25.79	166.3	24.51	158.9	23.51	151.4	21.76
		288.0	187.8	28.37	179.7	26.86	169.8	25.65	166.3	24.51	158.9	23.36	151.4	21.61
		576.0	189.5	28.13	179.7	26.62	169.8	25.11	166.3	24.51	158.9	22.76	151.4	21.01
		720.0	190.2	27.40	179.7	26.02	169.8	25.11	166.3	23.90	158.9	22.76	151.4	21.01
		864.0	190.6	27.04	179.7	25.71	169.8	25.11	166.3	23.60	158.9	22.76	151.4	21.01
	30	230.4	190.2	25.79	179.7	24.04	169.8	22.29	166.3	21.76	158.9	20.54	151.4	18.65
		288.0	190.2	25.65	179.7	23.90	169.8	22.15	166.3	21.61	158.9	20.40	151.4	18.65
		576.0	190.2	25.11	179.7	23.36	169.8	21.61	166.3	21.01	158.9	19.86	151.4	18.65
		720.0	190.2	24.51	179.7	22.76	169.8	21.61	166.3	21.01	158.9	19.86	151.4	18.11
		864.0	190.2	24.20	179.7	22.45	169.8	21.61	166.3	21.01	158.9	19.86	151.4	17.83

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	230.4	190.2	23.51	179.7	21.76	169.8	20.01	166.3	19.41	158.9	18.26	151.4	17.04
		288.0	190.2	23.36	179.7	21.61	169.8	19.86	166.3	19.26	158.9	18.11	151.4	16.90
		576.0	190.2	22.76	179.7	21.01	169.8	19.26	166.3	18.65	158.9	17.51	151.4	16.36
		720.0	190.2	22.15	179.7	20.40	169.8	18.65	166.3	18.11	158.9	17.51	151.4	16.36
		864.0	190.2	21.85	179.7	20.10	169.8	18.35	166.3	17.83	158.9	17.51	151.4	16.36
	40	230.4	190.2	21.91	179.7	20.01	169.8	17.66	166.3	17.04	158.9	16.51	151.4	15.29
		288.0	190.2	21.61	179.7	19.86	169.8	17.51	166.3	16.90	158.9	16.36	151.4	15.15
		576.0	190.2	20.40	179.7	19.26	169.8	16.90	166.3	16.36	158.9	15.75	151.4	14.61
		720.0	190.2	20.40	179.7	19.26	169.8	16.90	166.3	16.36	158.9	15.75	151.4	14.61
		864.0	190.2	20.40	179.7	19.26	169.8	16.90	166.3	16.36	158.9	15.75	151.4	14.61
	45	230.4	190.2	20.30	179.7	18.26	169.8	15.29	166.3	14.76	158.9	14.76	151.4	13.54
		288.0	190.2	19.86	179.7	18.11	169.8	15.15	166.3	14.61	158.9	14.61	151.4	13.40
		576.0	190.2	18.11	179.7	17.51	169.8	14.61	166.3	14.00	158.9	14.00	151.4	12.86
		720.0	190.2	18.65	179.7	18.11	169.8	15.15	166.3	14.61	158.9	14.00	151.4	12.86
		864.0	190.2	18.93	179.7	18.41	169.8	15.42	166.3	14.91	158.9	14.00	151.4	12.86
80	-5	230.4	67.8	24.56	63.6	23.63	60.2	22.63	59.5	21.86	59.1	20.85	58.0	19.21
		288.0	70.1	25.11	65.8	24.14	62.2	23.12	61.5	22.33	61.2	21.31	60.0	19.62
		576.0	79.3	27.28	74.4	26.20	70.3	25.05	69.6	24.21	69.3	23.12	67.9	21.25
		720.0	87.7	29.40	82.1	28.25	77.7	27.04	76.8	26.14	76.5	24.93	74.9	22.94
		864.0	92.0	30.46	86.0	29.28	81.4	28.05	80.5	27.11	80.1	25.84	78.4	23.79
	0	230.4	121.1	36.05	111.7	34.60	104.0	33.17	102.1	32.02	100.6	30.51	96.8	28.11
		288.0	121.8	36.16	112.3	34.71	104.6	33.26	102.7	32.11	101.3	30.60	97.4	28.19
		576.0	124.8	36.58	115.0	35.13	107.1	33.62	105.1	32.47	103.7	30.97	99.7	28.49
		720.0	126.6	36.58	116.7	35.13	108.8	33.62	106.7	32.47	105.3	30.97	101.3	28.49
		864.0	127.5	36.58	117.6	35.13	109.7	33.62	107.5	32.47	106.1	30.97	102.1	28.49
	5	230.4	167.5	39.20	158.1	37.72	151.2	36.02	147.9	34.83	141.5	33.21	134.5	30.56
		288.0	167.9	39.42	158.4	37.91	151.2	36.22	147.9	35.01	141.5	33.38	134.5	30.72
		576.0	169.3	40.26	159.6	38.63	151.4	37.00	147.9	35.73	141.5	34.04	134.5	31.39
		720.0	169.3	40.50	159.5	38.93	151.4	37.24	147.9	35.98	141.5	34.29	134.5	31.57
		864.0	169.3	40.62	159.4	39.09	151.4	37.37	147.9	36.10	141.5	34.41	134.5	31.66
	10	230.4	168.4	36.08	158.8	34.45	151.2	32.70	147.9	31.80	141.5	30.11	134.5	27.87
		288.0	168.6	36.04	158.9	34.41	151.2	32.72	147.9	31.81	141.5	30.12	134.5	27.89
		576.0	169.3	35.86	159.6	34.23	151.4	32.78	147.9	31.87	141.5	30.18	134.5	27.95
		720.0	169.3	35.73	159.5	34.35	151.4	32.90	147.9	31.69	141.5	30.00	134.5	27.77
		864.0	169.3	35.67	159.4	34.41	151.4	32.96	147.9	31.60	141.5	29.91	134.5	27.68
	15	230.4	169.3	32.95	159.5	31.20	151.4	29.29	147.9	28.76	141.5	27.01	134.5	25.26
		288.0	169.3	32.66	159.5	30.91	151.4	29.15	147.9	28.61	141.5	26.86	134.5	25.11
		576.0	169.3	31.51	159.5	29.76	151.4	28.61	147.9	28.01	141.5	26.26	134.5	24.51
		720.0	169.3	30.91	159.5	29.76	151.4	28.61	147.9	27.40	141.5	25.65	134.5	23.90
		864.0	169.3	30.60	159.5	29.76	151.4	28.61	147.9	27.10	141.5	25.35	134.5	23.60
	20	230.4	169.3	27.54	159.5	26.41	151.4	25.11	147.9	24.66	141.5	23.51	134.5	21.76
		288.0	169.3	27.40	159.5	26.26	151.4	25.11	147.9	24.51	141.5	23.36	134.5	21.61
		576.0	169.3	26.86	159.5	25.65	151.4	25.11	147.9	23.90	141.5	22.76	134.5	21.01
		720.0	169.3	26.26	159.5	25.11	151.4	24.51	147.9	23.90	141.5	22.15	134.5	21.01
		864.0	169.3	25.95	159.5	24.84	151.4	24.20	147.9	23.90	141.5	21.85	134.5	21.01
	25	230.4	169.3	24.66	159.5	22.91	151.4	21.61	147.9	21.16	141.5	20.01	134.5	18.79
		288.0	169.3	24.51	159.5	22.76	151.4	21.61	147.9	21.01	141.5	19.86	134.5	18.65
		576.0	169.3	23.90	159.5	22.15	151.4	21.61	147.9	20.40	141.5	19.26	134.5	18.11
		720.0	169.3	23.36	159.5	22.15	151.4	21.01	147.9	20.40	141.5	19.26	134.5	18.11
		864.0	169.3	23.09	159.5	22.15	151.4	20.70	147.9	20.40	141.5	19.26	134.5	18.11
	30	230.4	169.3	21.76	159.5	20.54	151.4	19.41	147.9	18.79	141.5	17.66	134.5	16.51
		288.0	169.3	21.61	159.5	20.40	151.4	19.26	147.9	18.65	141.5	17.51	134.5	16.36
		576.0	169.3	21.01	159.5	19.86	151.4	18.65	147.9	18.11	141.5	16.90	134.5	15.75
		720.0	169.3	21.01	159.5	19.86	151.4	18.65	147.9	18.11	141.5	16.90	134.5	15.75
		864.0	169.3	21.01	159.5	19.86	151.4	18.65	147.9	18.11	141.5	16.90	134.5	15.75
	35	230.4	169.3	20.01	159.5	18.79	151.4	17.04	147.9	16.36	141.5	15.91	134.5	14.61
		288.0	169.3	19.86	159.5	18.65	151.4	16.90	147.9	16.36	141.5	15.75	134.5	14.61
		576.0	169.3	19.26	159.5	18.11	151.4	16.36	147.9	16.36	141.5	15.15	134.5	14.61
		720.0	169.3	19.26	159.5	17.51	151.4	16.36	147.9	15.75	141.5	15.15	134.5	14.00
		864.0	169.3	19.26	159.5	17.20	151.4	16.36	147.9	15.45	141.5	15.15	134.5	13.70
	40	230.4	169.3	18.94	159.5	17.04	151.4	15.15	147.9	15.29	141.5	14.00	134.5	13.54
		288.0	169.3	18.65	159.5	16.90	151.4	15.15	147.9	15.15	141.5	14.00	134.5	13.40
		576.0	169.3	17.51	159.5	16.36	151.4	15.15	147.9	14.61	141.5	14.00	134.5	12.86
		720.0	169.3	17.51	159.5	16.36	151.4	14.61	147.9	14.61	141.5	14.00	134.5	12.86
		864.0	169.3	17.51	159.5	16.36	151.4	14.33	147.9	14.61	141.5	14.00	134.5	12.86

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	230.4	169.3	17.95	159.5	15.29	151.4	13.25	147.9	14.29	141.5	12.10	134.5	12.54
		288.0	169.3	17.51	159.5	15.15	151.4	13.40	147.9	14.00	141.5	12.25	134.5	12.25
		576.0	169.3	15.75	159.5	14.61	151.4	14.00	147.9	12.86	141.5	12.86	134.5	11.11
		720.0	169.3	15.75	159.5	15.15	151.4	12.86	147.9	13.40	141.5	12.86	134.5	11.65
		864.0	169.3	15.75	159.5	15.42	151.4	12.28	147.9	13.67	141.5	12.86	134.5	11.92
70	-5	230.4	59.1	21.09	55.6	20.08	52.6	19.43	52.0	18.32	51.7	17.67	50.8	16.07
		288.0	61.2	21.55	57.5	20.52	54.3	19.86	53.8	18.71	53.4	18.05	52.6	16.42
		576.0	69.3	23.36	65.1	22.27	61.4	21.55	60.8	20.28	60.5	19.56	59.4	17.81
		720.0	76.7	25.23	71.9	24.02	67.9	23.24	67.3	21.85	66.8	21.13	65.6	19.20
		864.0	80.4	26.17	75.4	24.91	71.1	24.09	70.6	22.64	70.0	21.92	68.7	19.89
	0	230.4	105.9	30.87	97.9	29.44	90.9	28.46	89.3	26.78	87.9	25.88	84.8	23.54
		288.0	106.5	30.97	98.5	29.52	91.4	28.55	89.8	26.86	88.4	25.96	85.3	23.60
		576.0	109.0	31.33	100.7	29.82	93.5	28.91	92.0	27.16	90.5	26.26	87.2	23.84
		720.0	110.6	31.33	102.3	29.82	94.9	28.91	93.4	27.16	92.0	26.26	88.6	23.84
		864.0	111.4	31.33	103.1	29.82	95.6	28.91	94.1	27.16	92.7	26.26	89.3	23.84
	5	230.4	146.3	33.64	138.6	32.01	132.0	30.98	129.2	29.20	123.4	28.16	117.6	25.58
		288.0	146.6	33.80	138.9	32.17	132.0	31.15	129.2	29.34	123.4	28.31	117.6	25.71
		576.0	147.9	34.47	139.9	32.84	132.2	31.81	129.2	29.88	123.4	28.91	117.6	26.26
		720.0	147.9	34.71	139.8	33.08	132.2	32.05	129.2	30.12	123.4	29.09	117.6	26.44
		864.0	147.9	34.83	139.7	33.20	132.2	32.17	129.2	30.24	123.4	29.19	117.6	26.53
	10	230.4	147.0	30.97	139.1	29.28	132.2	28.19	129.2	26.62	123.4	25.53	117.6	23.36
		288.0	147.2	30.91	139.2	29.22	132.2	28.13	129.2	26.62	123.4	25.53	117.6	23.36
		576.0	147.9	30.66	139.8	28.97	132.2	27.89	129.2	26.62	123.4	25.53	117.6	23.36
		720.0	147.9	30.78	139.8	29.09	132.2	28.01	129.2	26.74	123.4	25.35	117.6	23.42
		864.0	147.9	30.85	139.8	29.16	132.2	28.07	129.2	26.80	123.4	25.26	117.6	23.45
	15	230.4	147.9	28.30	139.8	26.55	132.2	25.42	129.2	24.04	123.4	22.91	117.6	21.16
		288.0	147.9	28.01	139.8	26.26	132.2	25.11	129.2	23.90	123.4	22.76	117.6	21.01
		576.0	147.9	26.86	139.8	25.11	132.2	23.90	129.2	23.36	123.4	22.15	117.6	20.40
		720.0	147.9	26.86	139.8	25.11	132.2	23.90	129.2	23.36	123.4	21.61	117.6	20.40
		864.0	147.9	26.86	139.8	25.11	132.2	23.90	129.2	23.36	123.4	21.34	117.6	20.40
	20	230.4	147.9	23.51	139.8	22.29	132.2	21.76	129.2	21.16	123.4	20.01	117.6	18.79
		288.0	147.9	23.36	139.8	22.15	132.2	21.61	129.2	21.01	123.4	19.86	117.6	18.65
		576.0	147.9	22.76	139.8	21.61	132.2	21.01	129.2	20.40	123.4	19.26	117.6	18.11
		720.0	147.9	22.76	139.8	21.61	132.2	21.01	129.2	19.86	123.4	19.26	117.6	17.51
		864.0	147.9	22.76	139.8	21.61	132.2	21.01	129.2	19.59	123.4	19.26	117.6	17.20
	25	230.4	147.9	21.16	139.8	20.01	132.2	18.79	129.2	18.26	123.4	16.90	117.6	15.75
		288.0	147.9	21.01	139.8	19.86	132.2	18.65	129.2	18.11	123.4	16.90	117.6	15.75
		576.0	147.9	20.40	139.8	19.26	132.2	18.11	129.2	17.51	123.4	16.90	117.6	15.75
		720.0	147.9	19.86	139.8	18.65	132.2	18.11	129.2	17.51	123.4	16.36	117.6	15.75
		864.0	147.9	19.59	139.8	18.35	132.2	18.11	129.2	17.51	123.4	16.08	117.6	15.75
	30	230.4	147.9	18.79	139.8	17.66	132.2	16.51	129.2	15.75	123.4	15.29	117.6	14.00
		288.0	147.9	18.65	139.8	17.51	132.2	16.36	129.2	15.75	123.4	15.15	117.6	14.00
		576.0	147.9	18.11	139.8	16.90	132.2	15.75	129.2	15.75	123.4	14.61	117.6	14.00
		720.0	147.9	18.11	139.8	16.90	132.2	15.75	129.2	15.15	123.4	14.61	117.6	14.00
		864.0	147.9	18.11	139.8	16.90	132.2	15.75	129.2	14.85	123.4	14.61	117.6	14.00
	35	230.4	147.9	17.04	139.8	15.91	132.2	14.61	129.2	14.76	123.4	13.40	117.6	13.01
		288.0	147.9	16.90	139.8	15.75	132.2	14.61	129.2	14.61	123.4	13.40	117.6	12.86
		576.0	147.9	16.36	139.8	15.15	132.2	14.61	129.2	14.00	123.4	13.40	117.6	12.25
		720.0	147.9	16.36	139.8	15.15	132.2	14.00	129.2	14.00	123.4	13.40	117.6	12.25
		864.0	147.9	16.36	139.8	15.15	132.2	13.70	129.2	14.00	123.4	13.40	117.6	12.25
	40	230.4	147.9	15.91	139.8	14.76	132.2	13.54	129.2	12.86	123.4	12.25	117.6	11.79
		288.0	147.9	15.75	139.8	14.61	132.2	13.40	129.2	12.86	123.4	12.25	117.6	11.65
		576.0	147.9	15.15	139.8	14.00	132.2	12.86	129.2	12.86	123.4	12.25	117.6	11.11
		720.0	147.9	15.15	139.8	14.00	132.2	12.86	129.2	12.25	123.4	11.65	117.6	11.11
		864.0	147.9	15.15	139.8	14.00	132.2	12.86	129.2	11.95	123.4	11.35	117.6	11.11
	45	230.4	147.9	14.76	139.8	13.54	132.2	12.54	129.2	10.97	123.4	11.11	117.6	10.66
		288.0	147.9	14.61	139.8	13.40	132.2	12.25	129.2	11.11	123.4	11.11	117.6	10.50
		576.0	147.9	14.00	139.8	12.86	132.2	11.11	129.2	11.65	123.4	11.11	117.6	9.90
		720.0	147.9	14.00	139.8	12.86	132.2	11.65	129.2	10.50	123.4	9.90	117.6	9.90
		864.0	147.9	14.00	139.8	12.86	132.2	11.92	129.2	9.93	123.4	9.29	117.6	9.90
60	-5	230.4	50.8	17.12	47.6	16.48	45.0	15.83	44.5	14.71	44.3	14.47	43.5	12.93
		288.0	52.6	17.51	49.2	16.84	46.6	16.18	46.1	15.03	45.9	14.79	45.0	13.22
		576.0	59.6	19.01	55.7	18.29	52.7	17.57	52.2	16.30	52.0	16.06	51.0	14.37
		720.0	65.8	20.46	61.5	19.74	58.4	18.95	57.7	17.63	57.5	17.32	56.3	15.45
		864.0	68.9	21.19	64.5	20.47	61.2	19.65	60.4	18.29	60.2	17.96	58.9	16.00

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	230.4	90.9	25.09	83.7	24.20	78.1	23.16	76.6	21.55	75.5	21.25	72.7	18.97
		288.0	91.4	25.17	84.2	24.27	78.6	23.24	77.0	21.61	76.0	21.31	73.1	19.01
		576.0	93.5	25.47	86.1	24.51	80.5	23.54	78.8	21.85	77.7	21.55	74.7	19.20
		720.0	94.9	25.47	87.6	24.51	81.8	23.54	80.0	21.85	78.9	21.55	76.0	19.20
		864.0	95.6	25.47	88.3	24.51	82.4	23.54	80.6	21.85	79.6	21.55	76.6	19.20
	5	230.4	125.6	27.33	118.5	26.30	113.6	25.21	110.8	23.48	106.0	23.12	100.9	20.60
		288.0	125.9	27.46	118.7	26.44	113.6	25.35	110.8	23.60	106.0	23.24	100.9	20.70
		576.0	126.9	28.01	119.6	26.98	113.6	25.90	110.8	24.08	106.0	23.72	100.9	21.13
		720.0	126.9	28.25	119.4	27.16	113.6	26.08	110.8	24.27	106.0	23.84	100.9	21.31
		864.0	126.9	28.37	119.3	27.25	113.6	26.17	110.8	24.36	106.0	23.90	100.9	21.40
	10	230.4	126.3	25.11	118.9	24.02	113.6	22.88	110.8	21.37	106.0	20.96	100.9	18.79
		288.0	126.4	25.11	119.0	24.02	113.6	22.88	110.8	21.43	106.0	20.95	100.9	18.83
		576.0	126.9	25.11	119.6	24.02	113.6	22.88	110.8	21.67	106.0	20.89	100.9	19.01
		720.0	126.9	25.17	119.4	23.78	113.6	22.64	110.8	21.43	106.0	20.70	100.9	18.83
		864.0	126.9	25.20	119.3	23.66	113.6	22.51	110.8	21.31	106.0	20.61	100.9	18.74
	15	230.4	126.9	22.91	119.4	21.76	113.6	20.54	110.8	19.26	106.0	18.79	100.9	16.90
		288.0	126.9	22.76	119.4	21.61	113.6	20.40	110.8	19.26	106.0	18.65	100.9	16.90
		576.0	126.9	22.15	119.4	21.01	113.6	19.86	110.8	19.26	106.0	18.11	100.9	16.90
		720.0	126.9	22.15	119.4	20.40	113.6	19.26	110.8	18.65	106.0	17.51	100.9	16.36
		864.0	126.9	22.15	119.4	20.10	113.6	18.95	110.8	18.35	106.0	17.20	100.9	16.08
	20	230.4	126.9	20.01	119.4	18.79	113.6	17.66	110.8	17.04	106.0	16.51	100.9	15.29
		288.0	126.9	19.86	119.4	18.65	113.6	17.51	110.8	16.90	106.0	16.36	100.9	15.15
		576.0	126.9	19.26	119.4	18.11	113.6	16.90	110.8	16.36	106.0	15.75	100.9	14.61
		720.0	126.9	19.26	119.4	18.11	113.6	16.90	110.8	16.36	106.0	15.75	100.9	14.61
		864.0	126.9	19.26	119.4	18.11	113.6	16.90	110.8	16.36	106.0	15.75	100.9	14.61
	25	230.4	126.9	17.66	119.4	16.51	113.6	15.15	110.8	15.29	106.0	14.00	100.9	13.54
		288.0	126.9	17.51	119.4	16.36	113.6	15.15	110.8	15.15	106.0	14.00	100.9	13.40
		576.0	126.9	16.90	119.4	15.75	113.6	15.15	110.8	14.61	106.0	14.00	100.9	12.86
		720.0	126.9	16.90	119.4	15.75	113.6	14.61	110.8	14.61	106.0	14.00	100.9	12.86
		864.0	126.9	16.90	119.4	15.75	113.6	14.33	110.8	14.61	106.0	14.00	100.9	12.86
	30	230.4	126.9	15.91	119.4	14.76	113.6	14.16	110.8	13.54	106.0	13.01	100.9	12.41
		288.0	126.9	15.75	119.4	14.61	113.6	14.00	110.8	13.40	106.0	12.86	100.9	12.25
		576.0	126.9	15.15	119.4	14.00	113.6	13.40	110.8	12.86	106.0	12.25	100.9	11.65
		720.0	126.9	15.15	119.4	14.00	113.6	13.40	110.8	12.86	106.0	12.25	100.9	11.65
		864.0	126.9	15.15	119.4	14.00	113.6	13.40	110.8	12.86	106.0	12.25	100.9	11.65
	35	230.4	126.9	14.00	119.4	13.54	113.6	12.25	110.8	12.41	106.0	11.79	100.9	11.26
		288.0	126.9	14.00	119.4	13.40	113.6	12.25	110.8	12.25	106.0	11.65	100.9	11.11
		576.0	126.9	14.00	119.4	12.86	113.6	12.25	110.8	11.65	106.0	11.11	100.9	10.50
		720.0	126.9	14.00	119.4	12.86	113.6	11.65	110.8	11.65	106.0	11.11	100.9	10.50
		864.0	126.9	14.00	119.4	12.86	113.6	11.35	110.8	11.65	106.0	11.11	100.9	10.50
	40	230.4	126.9	12.86	119.4	12.41	113.6	11.11	110.8	11.26	106.0	10.66	100.9	9.90
		288.0	126.9	12.86	119.4	12.25	113.6	11.11	110.8	11.11	106.0	10.50	100.9	9.90
		576.0	126.9	12.86	119.4	11.65	113.6	11.11	110.8	10.50	106.0	9.90	100.9	9.90
		720.0	126.9	12.86	119.4	11.65	113.6	11.11	110.8	10.50	106.0	9.90	100.9	9.90
		864.0	126.9	12.86	119.4	11.65	113.6	11.11	110.8	10.50	106.0	9.90	100.9	9.90
	45	230.4	126.9	11.65	119.4	11.26	113.6	9.90	110.8	10.04	106.0	9.51	100.9	8.60
		288.0	126.9	11.65	119.4	11.11	113.6	9.90	110.8	9.90	106.0	9.36	100.9	8.75
		576.0	126.9	11.65	119.4	10.50	113.6	9.90	110.8	9.36	106.0	8.75	100.9	9.36
		720.0	126.9	11.65	119.4	10.50	113.6	10.50	110.8	9.36	106.0	8.75	100.9	9.36
		864.0	126.9	11.65	119.4	10.50	113.6	10.81	110.8	9.36	106.0	8.75	100.9	9.36
50	-5	230.4	42.4	13.65	39.8	12.93	37.6	12.24	37.0	11.57	36.9	10.86	36.2	10.29
		288.0	43.8	13.94	41.1	13.22	38.9	12.49	38.3	11.83	38.2	11.11	37.4	10.50
		576.0	49.4	15.09	46.4	14.37	44.0	13.52	43.4	12.86	43.3	12.07	42.4	11.35
		720.0	54.7	16.30	51.3	15.45	48.5	14.61	48.0	13.88	47.6	12.98	46.9	12.25
		864.0	57.3	16.91	53.8	16.00	50.8	15.16	50.3	14.40	49.9	13.43	49.2	12.71
	0	230.4	75.5	19.99	69.9	18.97	65.0	17.87	63.6	16.96	62.7	15.95	60.5	15.04
		288.0	76.0	20.04	70.3	19.01	65.4	17.93	64.0	17.02	63.1	16.00	60.8	15.09
		576.0	77.7	20.22	71.9	19.20	67.0	18.17	65.6	17.26	64.7	16.18	62.2	15.27
		720.0	78.9	20.22	73.0	19.20	67.9	18.17	66.6	17.26	65.6	16.18	63.3	15.27
		864.0	79.6	20.22	73.5	19.20	68.3	18.17	67.2	17.26	66.0	16.18	63.8	15.27
	5	230.4	104.4	21.74	99.0	20.60	94.4	19.45	92.1	18.50	88.1	17.37	84.0	16.33
		288.0	104.6	21.85	99.2	20.70	94.4	19.56	92.1	18.59	88.1	17.44	84.0	16.42
		576.0	105.5	22.27	99.9	21.13	94.6	19.98	92.1	18.95	88.1	17.75	84.0	16.78
		720.0	105.5	22.45	99.7	21.31	94.6	20.10	92.1	19.07	88.1	17.93	84.0	16.90
		864.0	105.5	22.55	99.6	21.40	94.6	20.16	92.1	19.14	88.1	18.02	84.0	16.96

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(60HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	230.4	105.0	20.01	99.2	18.85	94.4	17.72	92.1	16.93	88.1	15.65	84.0	14.94
		288.0	105.1	19.98	99.3	18.83	94.4	17.69	92.1	16.90	88.1	15.69	84.0	14.91
		576.0	105.5	19.86	99.9	18.77	94.6	17.57	92.1	16.78	88.1	15.88	84.0	14.79
		720.0	105.5	19.98	99.7	18.83	94.6	17.63	92.1	16.84	88.1	15.63	84.0	14.85
		864.0	105.5	20.04	99.6	18.86	94.6	17.66	92.1	16.87	88.1	15.51	84.0	14.88
	15	230.4	105.5	18.26	99.7	17.04	94.6	15.91	92.1	15.29	88.1	14.00	84.0	13.54
		288.0	105.5	18.11	99.7	16.90	94.6	15.75	92.1	15.15	88.1	14.00	84.0	13.40
		576.0	105.5	17.51	99.7	16.36	94.6	15.15	92.1	14.61	88.1	14.00	84.0	12.86
		720.0	105.5	17.51	99.7	16.36	94.6	15.15	92.1	14.61	88.1	13.40	84.0	12.86
		864.0	105.5	17.51	99.7	16.36	94.6	15.15	92.1	14.61	88.1	13.10	84.0	12.86
	20	230.4	105.5	15.91	99.7	14.76	94.6	14.16	92.1	13.54	88.1	13.01	84.0	11.65
		288.0	105.5	15.75	99.7	14.61	94.6	14.00	92.1	13.40	88.1	12.86	84.0	11.65
		576.0	105.5	15.15	99.7	14.00	94.6	13.40	92.1	12.86	88.1	12.25	84.0	11.65
		720.0	105.5	15.15	99.7	14.00	94.6	13.40	92.1	12.86	88.1	12.25	84.0	11.65
		864.0	105.5	15.15	99.7	14.00	94.6	13.40	92.1	12.86	88.1	12.25	84.0	11.65
	25	230.4	105.5	14.16	99.7	12.86	94.6	12.41	92.1	11.65	88.1	11.11	84.0	10.50
		288.0	105.5	14.00	99.7	12.86	94.6	12.25	92.1	11.65	88.1	11.11	84.0	10.50
		576.0	105.5	13.40	99.7	12.86	94.6	11.65	92.1	11.65	88.1	11.11	84.0	10.50
		720.0	105.5	13.40	99.7	12.86	94.6	11.65	92.1	11.65	88.1	11.11	84.0	10.50
		864.0	105.5	13.40	99.7	12.86	94.6	11.65	92.1	11.65	88.1	11.11	84.0	10.50
	30	230.4	105.5	13.01	99.7	11.79	94.6	11.26	92.1	10.50	88.1	10.66	84.0	10.04
		288.0	105.5	12.86	99.7	11.65	94.6	11.11	92.1	10.50	88.1	10.50	84.0	9.90
		576.0	105.5	12.25	99.7	11.11	94.6	10.50	92.1	10.50	88.1	9.90	84.0	9.36
		720.0	105.5	12.25	99.7	11.11	94.6	10.50	92.1	10.50	88.1	9.90	84.0	9.36
		864.0	105.5	12.25	99.7	11.11	94.6	10.50	92.1	10.50	88.1	9.90	84.0	9.36
	35	230.4	105.5	11.79	99.7	10.50	94.6	9.90	92.1	10.04	88.1	9.36	84.0	8.75
		288.0	105.5	11.65	99.7	10.50	94.6	9.90	92.1	9.90	88.1	9.36	84.0	8.75
		576.0	105.5	11.11	99.7	10.50	94.6	9.90	92.1	9.36	88.1	9.36	84.0	8.75
		720.0	105.5	11.11	99.7	10.50	94.6	9.90	92.1	9.36	88.1	9.36	84.0	8.75
		864.0	105.5	11.11	99.7	10.50	94.6	9.90	92.1	9.36	88.1	9.36	84.0	8.75
	40	230.4	105.5	10.66	99.7	10.04	94.6	9.51	92.1	8.75	88.1	8.90	84.0	8.15
		288.0	105.5	10.50	99.7	9.90	94.6	9.36	92.1	8.75	88.1	8.75	84.0	8.15
		576.0	105.5	9.90	99.7	9.36	94.6	8.75	92.1	8.75	88.1	8.15	84.0	8.15
		720.0	105.5	9.90	99.7	9.36	94.6	8.75	92.1	8.75	88.1	8.15	84.0	8.15
		864.0	105.5	9.90	99.7	9.36	94.6	8.75	92.1	8.75	88.1	8.15	84.0	8.15
	45	230.4	105.5	9.51	99.7	9.66	94.6	9.04	92.1	7.47	88.1	8.44	84.0	7.61
		288.0	105.5	9.36	99.7	9.36	94.6	8.75	92.1	7.61	88.1	8.15	84.0	7.61
		576.0	105.5	8.75	99.7	8.15	94.6	7.61	92.1	8.15	88.1	7.00	84.0	7.61
		720.0	105.5	8.75	99.7	8.15	94.6	7.61	92.1	8.15	88.1	7.00	84.0	7.61
		864.0	105.5	8.75	99.7	8.15	94.6	7.61	92.1	8.15	88.1	7.00	84.0	7.61

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

ARWN620LAS4

Heating Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	238.4	92.4	37.10	91.7	34.93	91.2	32.52	89.9	31.56	91.0	30.73	88.5	27.56
		298.0	95.6	37.75	94.8	35.61	94.3	33.23	93.0	32.25	94.1	31.40	91.6	28.16
		596.0	108.1	40.32	107.2	38.30	106.6	36.04	105.2	35.00	106.5	34.03	103.7	30.54
		745.0	119.5	42.88	118.5	40.93	117.7	38.85	116.3	37.81	117.7	36.71	114.6	32.93
		894.0	125.3	44.18	124.1	42.25	123.3	40.27	121.9	39.23	123.4	38.07	120.1	34.13
	0	238.4	165.0	50.75	161.3	49.23	157.9	47.63	154.4	46.29	155.0	45.02	147.9	40.32
		298.0	166.1	50.88	162.2	49.36	158.8	47.77	155.3	46.43	155.9	45.14	148.8	40.44
		596.0	170.0	51.43	165.9	49.85	162.4	48.32	159.0	46.98	159.5	45.63	152.4	40.93
		745.0	172.6	51.43	168.4	49.85	165.0	48.32	161.3	46.98	161.9	45.63	154.6	40.93
		894.0	173.9	51.43	169.7	49.85	166.2	48.32	162.5	46.98	163.1	45.63	155.7	40.93
	5	238.4	237.7	54.55	234.1	53.20	229.2	51.84	223.5	50.38	217.5	48.99	205.5	43.87
		298.0	238.5	54.79	234.5	53.45	229.3	52.11	223.5	50.64	217.5	49.24	205.5	44.10
		596.0	241.8	55.77	236.2	54.43	229.5	53.15	223.5	51.68	217.5	50.21	205.5	45.02
		745.0	243.3	56.14	236.9	54.79	229.5	53.51	223.5	52.05	217.5	50.58	205.5	45.33
		894.0	244.0	56.32	237.3	54.98	229.5	53.70	223.5	52.23	217.5	50.76	205.5	45.48
	10	238.4	238.0	49.63	234.2	47.97	228.5	47.07	222.5	46.01	216.6	44.44	204.6	40.10
		298.0	239.4	49.54	235.3	48.01	229.5	47.16	223.5	46.00	217.5	44.41	205.5	40.07
		596.0	245.1	49.17	239.6	48.20	233.1	47.53	227.1	45.94	220.7	44.29	208.7	39.95
		745.0	246.4	49.85	241.3	48.87	234.5	47.71	228.2	46.12	222.2	45.02	210.0	41.84
		894.0	247.0	50.18	242.1	49.21	235.3	47.80	228.7	46.21	222.9	45.39	210.7	42.80
	15	238.4	238.4	44.73	234.2	42.82	227.6	42.36	221.6	41.66	215.8	39.89	203.8	36.35
		298.0	240.4	44.29	236.0	42.64	229.5	42.27	223.5	41.36	217.5	39.58	205.5	36.04
		596.0	248.2	42.52	243.1	41.91	236.7	41.91	230.7	40.13	224.0	38.36	212.0	34.82
		745.0	249.4	43.55	245.4	42.88	239.6	41.91	233.1	40.13	227.1	39.46	214.6	38.36
		894.0	250.1	44.08	246.6	43.38	241.1	41.91	234.3	40.13	228.6	40.02	215.8	40.15
	20	238.4	247.5	41.04	242.9	39.13	236.5	38.27	230.0	37.05	223.3	36.22	210.0	35.11
		298.0	249.4	40.74	244.9	39.10	238.4	38.24	231.8	37.20	225.3	36.47	212.0	34.82
		596.0	257.3	39.58	252.7	38.97	245.6	38.12	239.1	37.81	233.1	37.45	219.8	33.66
		745.0	258.3	39.58	254.5	38.97	248.5	38.36	241.4	37.81	234.9	37.45	221.6	35.80
		894.0	258.9	39.58	255.4	38.97	250.0	38.49	242.6	37.81	235.8	37.45	222.6	36.87
	25	238.4	261.2	39.13	254.5	38.00	248.5	37.36	243.8	36.73	238.4	36.20	224.7	33.81
		298.0	261.2	38.97	254.5	37.93	248.5	37.20	243.8	36.59	238.4	36.04	224.7	33.66
		596.0	261.2	38.36	254.5	37.69	248.5	36.59	243.8	36.04	238.4	35.43	224.7	33.05
		745.0	261.2	37.81	254.5	36.71	248.5	36.04	243.8	35.43	238.4	34.82	224.7	32.50
		894.0	261.2	37.54	254.5	36.22	248.5	35.76	243.8	35.12	238.4	34.51	224.7	32.22
	30	238.4	261.2	38.12	254.5	36.22	248.5	35.89	243.8	34.96	238.4	34.58	224.7	32.18
		298.0	261.2	37.81	254.5	36.16	248.5	35.67	243.8	34.82	238.4	34.27	224.7	31.89
		596.0	261.2	36.59	254.5	35.92	248.5	34.82	243.8	34.27	238.4	33.05	224.7	30.73
		745.0	261.2	36.04	254.5	34.94	248.5	34.27	243.8	33.66	238.4	33.05	224.7	30.73
		894.0	261.2	35.76	254.5	34.45	248.5	33.99	243.8	33.35	238.4	33.05	224.7	30.73
	35	238.4	261.2	36.35	254.5	35.14	248.5	34.42	243.8	33.19	238.4	32.04	224.7	29.80
		298.0	261.2	36.04	254.5	34.94	248.5	34.27	243.8	33.05	238.4	31.89	224.7	29.50
		596.0	261.2	34.82	254.5	34.15	248.5	33.66	243.8	32.50	238.4	31.28	224.7	28.34
		745.0	261.2	34.82	254.5	33.78	248.5	33.05	243.8	31.89	238.4	30.73	224.7	28.34
		894.0	261.2	34.82	254.5	33.60	248.5	32.74	243.8	31.58	238.4	30.45	224.7	28.34
	40	238.4	261.2	35.11	254.5	34.00	248.5	33.34	243.8	32.18	238.4	31.03	224.7	28.03
		298.0	261.2	34.82	254.5	33.78	248.5	33.05	243.8	31.89	238.4	30.73	224.7	27.73
		596.0	261.2	33.66	254.5	32.93	248.5	31.89	243.8	30.73	238.4	29.50	224.7	26.57
		745.0	261.2	33.05	254.5	32.38	248.5	31.89	243.8	30.73	238.4	29.50	224.7	26.57
		894.0	261.2	32.74	254.5	32.10	248.5	31.89	243.8	30.73	238.4	29.50	224.7	26.57
	45	238.4	261.2	33.95	254.5	32.84	248.5	32.33	243.8	31.17	238.4	29.95	224.7	26.25
		298.0	261.2	33.66	254.5	32.62	248.5	31.89	243.8	30.73	238.4	29.50	224.7	25.96
		596.0	261.2	32.50	254.5	31.76	248.5	30.12	243.8	28.95	238.4	27.73	224.7	24.80
		745.0	261.2	31.28	254.5	30.97	248.5	30.73	243.8	29.50	238.4	28.34	224.7	24.80
		894.0	261.2	30.66	254.5	30.57	248.5	31.03	243.8	29.78	238.4	28.65	224.7	24.80
120	-5	238.4	87.8	37.10	87.1	34.93	86.6	32.52	85.5	31.15	86.2	30.25	83.9	27.07
		298.0	90.8	37.75	90.1	35.61	89.6	33.23	88.5	31.83	89.2	30.91	86.8	27.67
		596.0	102.8	40.32	101.9	38.30	101.4	36.04	100.1	34.51	101.0	33.54	98.3	30.05
		745.0	113.5	42.88	112.6	40.93	111.9	38.85	110.6	37.26	111.5	36.16	108.5	32.38
		894.0	118.9	44.18	118.0	42.25	117.2	40.27	115.9	38.65	116.9	37.49	113.6	33.55
	0	238.4	157.0	50.75	153.1	49.23	149.9	47.63	146.8	45.61	146.8	44.35	140.1	39.64
		298.0	157.9	50.88	154.1	49.36	150.8	47.77	147.7	45.75	147.7	44.47	141.0	39.77
		596.0	161.5	51.43	157.7	49.85	154.4	48.32	151.2	46.30	151.2	44.96	144.4	40.26
		745.0	164.1	51.43	160.2	49.85	156.8	48.32	153.5	46.30	153.3	44.96	146.6	40.26
		894.0	165.3	51.43	161.5	49.85	158.0	48.32	154.7	46.30	154.4	44.96	147.7	40.26

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	238.4	226.3	54.55	222.9	53.20	218.0	51.84	212.7	49.65	206.0	48.26	194.8	43.22
		298.0	227.1	54.79	223.3	53.45	218.0	52.11	212.7	49.91	206.0	48.50	194.8	43.43
		596.0	230.4	55.77	224.9	54.43	218.0	53.15	212.7	50.95	206.0	49.48	194.8	44.29
		745.0	231.6	56.14	223.6	54.79	218.0	53.51	212.7	51.31	206.0	49.85	194.8	44.59
		894.0	232.3	56.32	223.0	54.98	218.0	53.70	212.7	51.50	206.0	50.03	194.8	44.75
	10	238.4	227.1	49.00	222.9	47.65	217.4	46.68	212.1	45.26	205.5	43.77	194.3	39.35
		298.0	228.2	49.17	223.8	47.83	218.0	46.85	212.7	45.33	206.0	43.74	194.8	39.40
		596.0	232.4	49.85	227.5	48.56	220.4	47.53	215.1	45.57	208.2	43.62	196.8	39.58
		745.0	233.6	49.66	226.7	48.56	221.3	47.71	216.0	45.75	209.1	43.80	197.7	40.93
		894.0	234.3	49.57	226.4	48.56	221.7	47.80	216.5	45.85	209.6	43.89	198.1	41.60
	15	238.4	227.8	43.46	223.2	42.18	216.8	41.52	211.5	40.90	205.0	39.27	193.7	35.58
		298.0	229.1	43.55	224.5	42.27	218.0	41.60	212.7	40.74	206.0	38.97	194.8	35.43
		596.0	234.4	43.92	230.0	42.64	222.9	41.91	217.5	40.13	210.2	37.81	198.9	34.82
		745.0	235.6	43.25	229.8	42.27	224.7	41.91	219.3	40.13	212.0	37.81	200.8	37.20
		894.0	236.3	42.91	229.7	42.09	225.6	41.91	220.2	40.13	212.9	37.81	201.7	38.40
	20	238.4	234.1	39.10	229.7	37.43	222.8	36.44	216.6	35.90	209.6	35.46	198.3	33.66
		298.0	235.6	39.10	231.1	37.57	224.0	36.59	218.0	36.04	210.9	35.43	199.5	33.54
		596.0	241.6	39.10	236.5	38.12	228.9	37.20	223.5	36.59	216.2	35.31	204.2	33.05
		745.0	242.7	38.73	236.4	37.81	230.7	37.20	224.7	36.59	217.5	35.43	205.5	34.27
		894.0	243.3	38.54	236.3	37.66	231.6	37.20	225.4	36.59	218.1	35.49	206.1	34.89
	25	238.4	245.5	36.97	238.4	35.25	230.7	34.58	225.8	33.81	219.8	33.19	207.8	30.88
		298.0	245.6	36.83	238.4	35.19	230.7	34.51	225.8	33.66	219.8	33.05	207.8	30.73
		596.0	246.2	36.29	238.4	34.94	230.7	34.27	225.8	33.05	219.8	32.50	207.8	30.12
		745.0	246.9	34.94	238.4	34.03	230.7	33.66	225.8	33.05	219.8	31.89	207.8	30.12
		894.0	247.3	34.26	238.4	33.56	230.7	33.35	225.8	33.05	219.8	31.58	207.8	30.12
	30	238.4	246.9	35.36	238.4	33.61	230.7	32.65	225.8	31.42	219.8	31.03	207.8	28.50
		298.0	246.9	35.06	238.4	33.41	230.7	32.50	225.8	31.28	219.8	30.73	207.8	28.34
		596.0	246.9	33.90	238.4	32.62	230.7	31.89	225.8	30.73	219.8	29.50	207.8	27.73
		745.0	246.9	32.80	238.4	31.89	230.7	31.28	225.8	30.73	219.8	29.50	207.8	27.18
		894.0	246.9	32.25	238.4	31.52	230.7	30.97	225.8	30.73	219.8	29.50	207.8	26.91
	35	238.4	246.9	33.77	238.4	31.94	230.7	31.03	225.8	29.80	219.8	28.64	207.8	26.10
		298.0	246.9	33.29	238.4	31.64	230.7	30.73	225.8	29.50	219.8	28.34	207.8	25.96
		596.0	246.9	31.40	238.4	30.48	230.7	29.50	225.8	28.34	219.8	27.18	207.8	25.41
		745.0	246.9	31.03	238.4	30.24	230.7	29.50	225.8	28.34	219.8	27.18	207.8	24.80
		894.0	246.9	30.85	238.4	30.11	230.7	29.50	225.8	28.34	219.8	27.18	207.8	24.49
	40	238.4	246.9	32.76	238.4	30.47	230.7	29.26	225.8	28.03	219.8	26.87	207.8	24.33
		298.0	246.9	32.13	238.4	30.12	230.7	28.95	225.8	27.73	219.8	26.57	207.8	24.19
		596.0	246.9	29.63	238.4	28.71	230.7	27.73	225.8	26.57	219.8	25.41	207.8	23.64
		745.0	246.9	29.26	238.4	28.34	230.7	27.73	225.8	26.57	219.8	25.41	207.8	23.03
		894.0	246.9	29.08	238.4	28.16	230.7	27.73	225.8	26.57	219.8	25.41	207.8	22.72
	45	238.4	246.9	31.76	238.4	29.00	230.7	27.49	225.8	26.25	219.8	25.09	207.8	22.56
		298.0	246.9	30.97	238.4	28.59	230.7	27.18	225.8	25.96	219.8	24.80	207.8	22.42
		596.0	246.9	27.86	238.4	26.94	230.7	25.96	225.8	24.80	219.8	23.64	207.8	21.87
		745.0	246.9	27.49	238.4	26.45	230.7	25.96	225.8	24.80	219.8	23.64	207.8	21.26
		894.0	246.9	27.30	238.4	26.20	230.7	25.96	225.8	24.80	219.8	23.64	207.8	20.95
110	-5	238.4	83.1	37.59	82.5	34.93	82.0	32.52	81.1	31.15	81.4	30.25	79.5	27.07
		298.0	85.9	38.24	85.4	35.61	84.8	33.23	83.9	31.83	84.1	30.91	82.3	27.67
		596.0	97.2	40.81	96.7	38.30	96.1	36.04	95.0	34.51	95.0	33.54	93.2	30.05
		745.0	107.4	43.43	106.6	40.93	106.1	38.85	105.0	37.26	105.0	36.16	102.8	32.38
		894.0	112.5	44.76	111.7	42.25	111.1	40.27	110.0	38.65	110.0	37.49	107.7	33.55
	0	238.4	148.5	51.43	145.2	49.23	142.2	47.63	139.4	45.61	138.2	44.35	132.9	39.64
		298.0	149.3	51.56	146.1	49.36	143.0	47.77	140.3	45.75	139.0	44.47	133.7	39.77
		596.0	152.8	52.05	149.5	49.85	146.2	48.32	143.5	46.30	142.3	44.96	136.8	40.26
		745.0	155.1	52.05	151.9	49.85	148.6	48.32	145.7	46.30	144.4	44.96	138.8	40.26
		894.0	156.3	52.05	153.1	49.85	149.8	48.32	146.8	46.30	145.5	44.96	139.8	40.26
	5	238.4	216.5	55.28	211.4	53.20	206.5	51.84	201.8	49.65	194.0	48.26	184.6	43.22
		298.0	217.3	55.53	211.8	53.45	206.6	52.11	201.8	49.91	194.0	48.50	184.6	43.43
		596.0	220.2	56.50	213.5	54.43	206.7	53.15	201.8	50.95	194.0	49.48	184.6	44.29
		745.0	221.5	56.87	214.0	54.79	206.7	53.51	201.8	51.31	194.0	49.85	184.6	44.59
		894.0	222.1	57.06	214.3	54.98	206.7	53.70	201.8	51.50	194.0	50.03	184.6	44.75
	10	238.4	217.4	49.57	212.0	47.87	206.2	46.84	201.5	45.26	193.7	43.77	184.4	39.35
		298.0	218.2	49.66	212.6	48.01	206.6	46.98	201.8	45.33	194.0	43.74	184.6	39.40
		596.0	221.5	50.03	214.7	48.56	207.8	47.53	203.1	45.57	195.3	43.62	185.5	39.58
		745.0	222.7	50.03	215.6	48.56	208.6	47.40	203.5	45.45	195.7	43.80	186.0	40.01
		894.0	223.4	50.03	216.1	48.56	208.9	47.34	203.7	45.39	195.8	43.89	186.3	40.23

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	238.4	218.0	43.86	212.3	42.64	206.1	41.91	201.2	40.90	193.4	39.27	184.1	35.58
		298.0	218.9	43.80	213.1	42.64	206.7	41.91	201.8	40.74	194.0	38.97	184.6	35.43
		596.0	222.6	43.55	216.2	42.64	209.1	41.91	204.2	40.13	196.6	37.81	186.4	34.82
		745.0	223.8	43.25	217.3	42.27	210.2	41.36	204.9	39.58	197.1	37.81	187.5	35.43
		894.0	224.5	43.10	217.8	42.09	210.7	41.08	205.3	39.31	197.4	37.81	188.0	35.74
	20	238.4	222.1	37.86	216.0	36.96	209.1	36.04	203.4	35.43	196.0	34.42	185.7	32.19
		298.0	223.3	37.93	216.7	36.96	209.7	36.04	204.2	35.43	196.6	34.27	186.4	32.13
		596.0	228.0	38.24	219.6	36.96	212.0	36.04	207.3	35.43	198.9	33.66	189.3	31.89
		745.0	229.3	38.24	221.5	36.96	213.3	36.04	207.8	34.82	200.0	33.66	189.8	31.89
		894.0	229.9	38.24	222.4	36.96	213.9	36.04	208.1	34.51	200.6	33.66	190.1	31.89
	25	238.4	229.0	34.45	222.2	33.19	213.3	32.65	208.6	31.42	201.3	30.27	190.6	27.73
		298.0	229.5	34.39	222.2	33.05	213.3	32.50	208.6	31.28	201.3	30.12	190.6	27.73
		596.0	231.3	34.15	222.2	32.50	213.3	31.89	208.6	30.73	201.3	29.50	190.6	27.73
		745.0	232.4	34.15	222.2	32.62	213.3	31.28	208.6	30.73	201.3	28.95	190.6	27.18
		894.0	232.9	34.15	222.2	32.68	213.3	30.97	208.6	30.73	201.3	28.68	190.6	26.91
	30	238.4	232.4	31.42	222.2	30.27	213.3	29.11	208.6	28.50	201.3	26.73	190.6	24.96
		298.0	232.4	31.28	222.2	30.12	213.3	28.95	208.6	28.34	201.3	26.57	190.6	24.80
		596.0	232.4	30.73	222.2	29.50	213.3	28.34	208.6	27.73	201.3	25.96	190.6	24.19
		745.0	232.4	30.48	222.2	28.95	213.3	27.73	208.6	27.18	201.3	25.96	190.6	24.19
		894.0	232.4	30.36	222.2	28.68	213.3	27.43	208.6	26.91	201.3	25.96	190.6	24.19
	35	238.4	232.4	29.80	222.2	27.87	213.3	26.73	208.6	25.57	201.3	24.33	190.6	22.56
		298.0	232.4	29.50	222.2	27.73	213.3	26.57	208.6	25.41	201.3	24.19	190.6	22.42
		596.0	232.4	28.34	222.2	27.18	213.3	25.96	208.6	24.80	201.3	23.64	190.6	21.87
		745.0	232.4	27.61	222.2	26.57	213.3	25.41	208.6	24.80	201.3	23.64	190.6	21.87
		894.0	232.4	27.24	222.2	26.26	213.3	25.13	208.6	24.80	201.3	23.64	190.6	21.87
	40	238.4	232.4	28.03	222.2	26.87	213.3	25.09	208.6	23.79	201.3	22.56	190.6	20.79
		298.0	232.4	27.73	222.2	26.57	213.3	24.80	208.6	23.64	201.3	22.42	190.6	20.65
		596.0	232.4	26.57	222.2	25.41	213.3	23.64	208.6	23.03	201.3	21.87	190.6	20.10
		745.0	232.4	26.21	222.2	24.80	213.3	23.64	208.6	22.42	201.3	21.26	190.6	19.49
		894.0	232.4	26.02	222.2	24.49	213.3	23.64	208.6	22.11	201.3	20.95	190.6	19.18
	45	238.4	232.4	26.25	222.2	25.86	213.3	23.48	208.6	22.02	201.3	20.79	190.6	19.01
		298.0	232.4	25.96	222.2	25.41	213.3	23.03	208.6	21.87	201.3	20.65	190.6	18.88
		596.0	232.4	24.80	222.2	23.64	213.3	21.26	208.6	21.26	201.3	20.10	190.6	18.33
		745.0	232.4	24.80	222.2	23.03	213.3	21.87	208.6	20.10	201.3	18.88	190.6	17.10
		894.0	232.4	24.80	222.2	22.72	213.3	22.18	208.6	19.51	201.3	18.26	190.6	16.49
100	-5	238.4	78.5	37.59	78.0	35.42	77.6	32.52	77.0	31.15	76.2	29.76	74.8	27.07
		298.0	81.2	38.24	80.7	36.10	80.3	33.23	79.6	31.83	78.8	30.42	77.4	27.67
		596.0	91.9	40.81	91.4	38.79	90.8	36.04	89.9	34.51	89.2	33.05	87.7	30.05
		745.0	101.6	43.43	100.8	41.48	100.3	38.85	99.4	37.26	98.6	35.61	96.8	32.38
		894.0	106.4	44.76	105.6	42.83	105.0	40.27	104.1	38.65	103.4	36.91	101.4	33.55
	0	238.4	140.3	51.43	137.2	49.91	134.4	47.63	132.0	45.61	129.7	43.68	125.2	39.64
		298.0	141.2	51.56	138.1	50.03	135.2	47.77	132.8	45.75	130.4	43.80	125.9	39.77
		596.0	144.4	52.05	141.3	50.52	138.3	48.32	135.9	46.30	133.5	44.29	128.8	40.26
		745.0	146.6	52.05	143.5	50.52	140.4	48.32	137.9	46.30	135.5	44.29	130.8	40.26
		894.0	147.7	52.05	144.6	50.52	141.5	48.32	138.9	46.30	136.5	44.29	131.8	40.26
	5	238.4	207.1	55.28	200.2	53.94	195.1	51.84	191.1	49.65	182.0	47.52	173.7	43.22
		298.0	207.8	55.53	200.6	54.18	195.1	52.11	191.1	49.91	182.0	47.77	173.7	43.43
		596.0	210.7	56.50	202.0	55.16	195.3	53.15	191.1	50.95	182.0	48.75	173.7	44.29
		745.0	212.0	56.87	202.6	55.53	195.3	53.51	191.1	51.31	182.0	49.05	173.7	44.59
		894.0	212.7	57.06	202.8	55.71	195.3	53.70	191.1	51.50	182.0	49.21	173.7	44.75
	10	238.4	208.2	49.43	200.8	48.35	195.3	46.84	191.1	45.26	182.0	43.02	173.7	39.35
		298.0	208.7	49.66	201.1	48.50	195.3	46.98	191.1	45.33	182.0	43.07	173.7	39.40
		596.0	210.7	50.58	202.2	49.11	195.3	47.53	191.1	45.57	182.0	43.25	173.7	39.58
		745.0	212.2	50.40	203.1	49.11	195.3	47.40	191.1	45.45	182.0	43.13	173.7	39.40
		894.0	212.9	50.30	203.6	49.11	195.3	47.34	191.1	45.39	182.0	43.07	173.7	39.31
	15	238.4	209.4	43.58	201.7	42.85	195.3	41.91	191.1	40.90	182.0	38.50	173.7	35.58
		298.0	209.7	43.80	201.8	42.88	195.3	41.91	191.1	40.74	182.0	38.36	173.7	35.43
		596.0	210.7	44.65	202.4	43.00	195.3	41.91	191.1	40.13	182.0	37.81	173.7	34.82
		745.0	212.6	43.92	203.5	42.64	195.3	41.36	191.1	39.58	182.0	37.20	173.7	34.27
		894.0	213.5	43.55	204.0	42.45	195.3	41.08	191.1	39.31	182.0	36.89	173.7	33.99
	20	238.4	210.5	37.28	202.8	36.32	195.3	35.43	191.1	34.96	182.0	32.65	173.7	31.03
		298.0	211.3	37.45	202.9	36.35	195.3	35.43	191.1	34.82	182.0	32.50	173.7	30.73
		596.0	214.4	38.12	203.5	36.47	195.3	35.43	191.1	34.27	182.0	31.89	173.7	29.50
		745.0	215.6	37.45	205.3	36.16	195.3	34.82	191.1	33.66	182.0	31.28	173.7	28.95
		894.0	216.3	37.11	206.2	36.01	195.3	34.51	191.1	33.35	182.0	30.97	173.7	28.68

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▒ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	238.4	213.1	32.59	206.0	31.57	195.3	30.27	191.1	29.11	182.0	27.34	173.7	24.80
		298.0	213.8	32.62	206.0	31.40	195.3	30.12	191.1	28.95	182.0	27.18	173.7	24.80
		596.0	216.9	32.74	206.0	30.73	195.3	29.50	191.1	28.34	182.0	26.57	173.7	24.80
		745.0	218.0	32.01	206.0	30.48	195.3	28.95	191.1	27.73	182.0	26.57	173.7	24.19
		894.0	218.6	31.64	206.0	30.36	195.3	28.68	191.1	27.43	182.0	26.57	173.7	23.88
	30	238.4	218.0	29.64	206.0	27.34	195.3	25.47	191.1	24.96	182.0	23.03	173.7	22.02
		298.0	218.0	29.50	206.0	27.18	195.3	25.41	191.1	24.80	182.0	23.03	173.7	21.87
		596.0	218.0	28.95	206.0	26.57	195.3	25.17	191.1	24.19	182.0	23.03	173.7	21.26
		745.0	218.0	28.34	206.0	26.57	195.3	24.80	191.1	24.19	182.0	22.42	173.7	21.26
		894.0	218.0	28.04	206.0	26.57	195.3	24.62	191.1	24.19	182.0	22.11	173.7	21.26
	35	238.4	218.0	27.49	206.0	25.09	195.3	22.48	191.1	22.02	182.0	20.79	173.7	19.01
		298.0	218.0	27.18	206.0	24.80	195.3	22.42	191.1	21.87	182.0	20.65	173.7	18.88
		596.0	218.0	25.96	206.0	23.64	195.3	22.17	191.1	21.26	182.0	20.10	173.7	18.33
		745.0	218.0	25.96	206.0	23.64	195.3	21.87	191.1	21.26	182.0	20.10	173.7	18.33
		894.0	218.0	25.96	206.0	23.64	195.3	21.71	191.1	21.26	182.0	20.10	173.7	18.33
	40	238.4	218.0	25.72	206.0	23.32	195.3	20.16	191.1	19.64	182.0	18.48	173.7	17.24
		298.0	218.0	25.41	206.0	23.03	195.3	20.10	191.1	19.49	182.0	18.33	173.7	17.10
		596.0	218.0	24.19	206.0	21.87	195.3	19.85	191.1	18.88	182.0	17.72	173.7	16.55
		745.0	218.0	23.64	206.0	21.87	195.3	19.49	191.1	18.88	182.0	17.72	173.7	16.55
		894.0	218.0	23.36	206.0	21.87	195.3	19.30	191.1	18.88	182.0	17.72	173.7	16.55
	45	238.4	218.0	23.95	206.0	21.55	195.3	17.78	191.1	17.24	182.0	16.10	173.7	15.47
		298.0	218.0	23.64	206.0	21.26	195.3	17.72	191.1	17.10	182.0	15.94	173.7	15.33
		596.0	218.0	22.42	206.0	20.10	195.3	17.47	191.1	16.55	182.0	15.33	173.7	14.78
		745.0	218.0	21.26	206.0	20.10	195.3	17.10	191.1	16.55	182.0	15.33	173.7	14.78
		894.0	218.0	20.67	206.0	20.10	195.3	16.92	191.1	16.55	182.0	15.33	173.7	14.78
90	-5	238.4	74.1	34.89	71.8	31.77	69.7	27.91	69.2	26.60	68.6	25.64	67.5	23.01
		298.0	76.7	35.49	74.3	32.38	72.1	28.53	71.6	27.18	71.0	26.21	69.8	23.52
		596.0	86.8	37.87	84.1	34.76	81.6	30.97	81.0	29.50	80.5	28.47	78.8	25.53
		745.0	95.9	40.26	92.8	37.20	90.1	33.41	89.4	31.83	88.8	30.67	87.2	27.55
		894.0	100.5	41.46	97.2	38.43	94.4	34.65	93.6	33.00	93.1	31.77	91.4	28.57
	0	238.4	132.6	47.52	126.4	44.59	120.6	40.94	118.9	39.05	116.9	37.58	112.5	33.75
		298.0	133.3	47.65	127.2	44.72	121.4	41.05	119.5	39.16	117.5	37.69	113.2	33.84
		596.0	136.4	48.14	130.1	45.20	124.3	41.48	122.3	39.58	120.3	38.12	115.9	34.21
		745.0	138.4	48.14	132.1	45.20	126.3	41.48	124.1	39.58	122.3	38.12	117.7	34.21
		894.0	139.4	48.14	133.1	45.20	127.3	41.48	125.0	39.58	123.3	38.12	118.6	34.21
	5	238.4	187.3	51.02	181.3	48.15	175.5	44.56	171.9	42.48	164.2	40.90	156.4	36.71
		298.0	187.5	51.25	181.1	48.38	175.5	44.78	171.9	42.70	164.2	41.11	156.4	36.90
		596.0	188.2	52.17	180.6	49.30	175.5	45.63	171.9	43.55	164.2	41.97	156.4	37.63
		745.0	189.3	52.47	181.1	49.60	175.5	46.00	171.9	43.86	164.2	42.27	156.4	37.93
		894.0	189.9	52.63	181.4	49.76	175.5	46.18	171.9	44.01	164.2	42.43	156.4	38.09
	10	238.4	188.3	45.05	181.9	42.84	175.5	40.33	171.9	38.68	164.2	37.11	156.4	33.44
		298.0	188.2	45.08	181.7	42.88	175.5	40.38	171.9	38.73	164.2	37.08	156.4	33.48
		596.0	187.9	45.20	180.8	43.07	175.5	40.56	171.9	38.91	164.2	36.96	156.4	33.60
		745.0	189.1	45.08	181.3	42.94	175.5	40.44	171.9	38.79	164.2	37.08	156.4	33.72
		894.0	189.8	45.02	181.6	42.88	175.5	40.38	171.9	38.73	164.2	37.14	156.4	33.78
	15	238.4	189.3	39.01	182.5	37.60	175.5	36.20	171.9	34.96	164.2	33.34	156.4	30.27
		298.0	188.9	38.85	182.2	37.45	175.5	36.04	171.9	34.82	164.2	33.05	156.4	30.12
		596.0	187.7	38.24	180.9	36.83	175.5	35.43	171.9	34.27	164.2	31.89	156.4	29.50
		745.0	188.9	37.69	181.5	36.29	175.5	34.82	171.9	33.66	164.2	31.89	156.4	29.50
		894.0	189.6	37.41	181.8	36.01	175.5	34.51	171.9	33.35	164.2	31.89	156.4	29.50
	20	238.4	190.4	32.93	183.3	31.98	175.5	30.88	171.9	29.64	164.2	28.64	156.4	26.87
		298.0	190.2	32.93	182.9	31.89	175.5	30.73	171.9	29.50	164.2	28.34	156.4	26.57
		596.0	189.5	32.93	181.5	31.52	175.5	30.12	171.9	28.95	164.2	27.18	156.4	25.41
		745.0	190.0	32.38	182.0	31.28	175.5	30.12	171.9	28.95	164.2	27.18	156.4	25.41
		894.0	190.3	32.10	182.3	31.15	175.5	30.12	171.9	28.95	164.2	27.18	156.4	25.41
	25	238.4	193.6	28.77	185.7	27.25	175.5	26.10	171.9	24.80	164.2	23.79	156.4	22.02
		298.0	194.0	28.71	185.7	27.18	175.5	25.96	171.9	24.80	164.2	23.64	156.4	21.87
		596.0	195.8	28.47	185.7	26.94	175.5	25.41	171.9	24.80	164.2	23.03	156.4	21.26
		745.0	196.6	27.73	185.7	26.33	175.5	25.41	171.9	24.19	164.2	23.03	156.4	21.26
		894.0	196.9	27.36	185.7	26.02	175.5	25.41	171.9	23.88	164.2	23.03	156.4	21.26
	30	238.4	196.6	26.10	185.7	24.33	175.5	22.56	171.9	22.02	164.2	20.79	156.4	18.88
		298.0	196.6	25.96	185.7	24.19	175.5	22.42	171.9	21.87	164.2	20.65	156.4	18.88
		596.0	196.6	25.41	185.7	23.64	175.5	21.87	171.9	21.26	164.2	20.10	156.4	18.88
		745.0	196.6	24.80	185.7	23.03	175.5	21.87	171.9	21.26	164.2	20.10	156.4	18.33
		894.0	196.6	24.49	185.7	22.72	175.5	21.87	171.9	21.26	164.2	20.10	156.4	18.05

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	238.4	196.6	23.79	185.7	22.02	175.5	20.25	171.9	19.64	164.2	18.48	156.4	17.24
		298.0	196.6	23.64	185.7	21.87	175.5	20.10	171.9	19.49	164.2	18.33	156.4	17.10
		596.0	196.6	23.03	185.7	21.26	175.5	19.49	171.9	18.88	164.2	17.72	156.4	16.55
		745.0	196.6	22.42	185.7	20.65	175.5	18.88	171.9	18.33	164.2	17.72	156.4	16.55
		894.0	196.6	22.11	185.7	20.34	175.5	18.57	171.9	18.05	164.2	17.72	156.4	16.55
	40	238.4	196.6	22.18	185.7	20.25	175.5	17.87	171.9	17.24	164.2	16.71	156.4	15.47
		298.0	196.6	21.87	185.7	20.10	175.5	17.72	171.9	17.10	164.2	16.55	156.4	15.33
		596.0	196.6	20.65	185.7	19.49	175.5	17.10	171.9	16.55	164.2	15.94	156.4	14.78
		745.0	196.6	20.65	185.7	19.49	175.5	17.10	171.9	16.55	164.2	15.94	156.4	14.78
		894.0	196.6	20.65	185.7	19.49	175.5	17.10	171.9	16.55	164.2	15.94	156.4	14.78
	45	238.4	196.6	20.54	185.7	18.48	175.5	15.47	171.9	14.94	164.2	14.94	156.4	13.70
		298.0	196.6	20.10	185.7	18.33	175.5	15.33	171.9	14.78	164.2	14.78	156.4	13.56
		596.0	196.6	18.33	185.7	17.72	175.5	14.78	171.9	14.17	164.2	14.17	156.4	13.01
		745.0	196.6	18.88	185.7	18.33	175.5	15.33	171.9	14.78	164.2	14.17	156.4	13.01
		894.0	196.6	19.15	185.7	18.63	175.5	15.61	171.9	15.09	164.2	14.17	156.4	13.01
80	-5	238.4	70.1	24.86	65.7	23.91	62.2	22.90	61.5	22.12	61.1	21.10	59.9	19.44
		298.0	72.5	25.41	67.9	24.43	64.3	23.40	63.6	22.60	63.2	21.56	62.0	19.85
		596.0	81.9	27.61	76.8	26.51	72.7	25.35	71.9	24.50	71.6	23.40	70.1	21.50
		745.0	90.7	29.75	84.8	28.59	80.3	27.37	79.4	26.45	79.0	25.23	77.4	23.21
		894.0	95.1	30.83	88.9	29.63	84.1	28.38	83.1	27.44	82.8	26.15	81.1	24.07
	0	238.4	125.1	36.48	115.4	35.02	107.5	33.57	105.5	32.41	104.0	30.88	100.1	28.45
		298.0	125.9	36.59	116.1	35.12	108.1	33.66	106.1	32.50	104.6	30.97	100.6	28.53
		596.0	129.0	37.02	118.8	35.55	110.6	34.03	108.6	32.86	107.2	31.34	103.0	28.83
		745.0	130.8	37.02	120.6	35.55	112.5	34.03	110.3	32.86	108.8	31.34	104.6	28.83
		894.0	131.7	37.02	121.5	35.55	113.4	34.03	111.1	32.86	109.6	31.34	105.5	28.83
	5	238.4	173.1	39.67	163.4	38.18	156.2	36.45	152.8	35.24	146.2	33.61	139.0	30.92
		298.0	173.5	39.89	163.7	38.36	156.2	36.65	152.8	35.43	146.2	33.78	139.0	31.09
		596.0	175.0	40.74	165.0	39.10	156.4	37.45	152.8	36.16	146.2	34.45	139.0	31.76
		745.0	175.0	40.99	164.8	39.40	156.4	37.69	152.8	36.41	146.2	34.70	139.0	31.95
		894.0	175.0	41.11	164.7	39.55	156.4	37.81	152.8	36.53	146.2	34.82	139.0	32.04
	10	238.4	174.0	36.51	164.1	34.87	156.2	33.09	152.8	32.18	146.2	30.47	139.0	28.21
		298.0	174.2	36.47	164.2	34.82	156.2	33.11	152.8	32.19	146.2	30.48	139.0	28.22
		596.0	175.0	36.29	165.0	34.64	156.4	33.17	152.8	32.25	146.2	30.54	139.0	28.28
		745.0	175.0	36.16	164.8	34.76	156.4	33.29	152.8	32.07	146.2	30.36	139.0	28.10
		894.0	175.0	36.10	164.7	34.82	156.4	33.35	152.8	31.98	146.2	30.27	139.0	28.01
	15	238.4	175.0	33.34	164.8	31.57	156.4	29.64	152.8	29.11	146.2	27.34	139.0	25.57
		298.0	175.0	33.05	164.8	31.28	156.4	29.50	152.8	28.95	146.2	27.18	139.0	25.41
		596.0	175.0	31.89	164.8	30.12	156.4	28.95	152.8	28.34	146.2	26.57	139.0	24.80
		745.0	175.0	31.28	164.8	30.12	156.4	28.95	152.8	27.73	146.2	25.96	139.0	24.19
		894.0	175.0	30.97	164.8	30.12	156.4	28.95	152.8	27.43	146.2	25.65	139.0	23.88
	20	238.4	175.0	27.87	164.8	26.73	156.4	25.41	152.8	24.96	146.2	23.79	139.0	22.02
		298.0	175.0	27.73	164.8	26.57	156.4	25.41	152.8	24.80	146.2	23.64	139.0	21.87
		596.0	175.0	27.18	164.8	25.96	156.4	25.41	152.8	24.19	146.2	23.03	139.0	21.26
		745.0	175.0	26.57	164.8	25.41	156.4	24.80	152.8	24.19	146.2	22.42	139.0	21.26
		894.0	175.0	26.26	164.8	25.13	156.4	24.49	152.8	24.19	146.2	22.11	139.0	21.26
	25	238.4	175.0	24.96	164.8	23.18	156.4	21.87	152.8	21.41	146.2	20.25	139.0	19.01
		298.0	175.0	24.80	164.8	23.03	156.4	21.87	152.8	21.26	146.2	20.10	139.0	18.88
		596.0	175.0	24.19	164.8	22.42	156.4	21.87	152.8	20.65	146.2	19.49	139.0	18.33
		745.0	175.0	23.64	164.8	22.42	156.4	21.26	152.8	20.65	146.2	19.49	139.0	18.33
		894.0	175.0	23.36	164.8	22.42	156.4	20.95	152.8	20.65	146.2	19.49	139.0	18.33
	30	238.4	175.0	22.02	164.8	20.79	156.4	19.64	152.8	19.01	146.2	17.87	139.0	16.71
		298.0	175.0	21.87	164.8	20.65	156.4	19.49	152.8	18.88	146.2	17.72	139.0	16.55
		596.0	175.0	21.26	164.8	20.10	156.4	18.88	152.8	18.33	146.2	17.10	139.0	15.94
		745.0	175.0	21.26	164.8	20.10	156.4	18.88	152.8	18.33	146.2	17.10	139.0	15.94
		894.0	175.0	21.26	164.8	20.10	156.4	18.88	152.8	18.33	146.2	17.10	139.0	15.94
	35	238.4	175.0	20.25	164.8	19.01	156.4	17.24	152.8	16.55	146.2	16.10	139.0	14.78
		298.0	175.0	20.10	164.8	18.88	156.4	17.10	152.8	16.55	146.2	15.94	139.0	14.78
		596.0	175.0	19.49	164.8	18.33	156.4	16.55	152.8	16.55	146.2	15.33	139.0	14.78
		745.0	175.0	19.49	164.8	17.72	156.4	16.55	152.8	15.94	146.2	15.33	139.0	14.17
		894.0	175.0	19.49	164.8	17.41	156.4	16.55	152.8	15.64	146.2	15.33	139.0	13.86
	40	238.4	175.0	19.17	164.8	17.24	156.4	15.33	152.8	15.47	146.2	14.17	139.0	13.70
		298.0	175.0	18.88	164.8	17.10	156.4	15.33	152.8	15.33	146.2	14.17	139.0	13.56
		596.0	175.0	17.72	164.8	16.55	156.4	15.33	152.8	14.78	146.2	14.17	139.0	13.01
		745.0	175.0	17.72	164.8	16.55	156.4	14.78	152.8	14.78	146.2	14.17	139.0	13.01
		894.0	175.0	17.72	164.8	16.55	156.4	14.51	152.8	14.78	146.2	14.17	139.0	13.01

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	238.4	175.0	18.16	164.8	15.47	156.4	13.41	152.8	14.47	146.2	12.25	139.0	12.69
		298.0	175.0	17.72	164.8	15.33	156.4	13.56	152.8	14.17	146.2	12.40	139.0	12.40
		596.0	175.0	15.94	164.8	14.78	156.4	14.17	152.8	13.01	146.2	13.01	139.0	11.24
		745.0	175.0	15.94	164.8	15.33	156.4	13.01	152.8	13.56	146.2	13.01	139.0	11.79
		894.0	175.0	15.94	164.8	15.61	156.4	12.43	152.8	13.84	146.2	13.01	139.0	12.07
70	-5	238.4	61.1	21.34	57.4	20.32	54.3	19.67	53.8	18.54	53.4	17.88	52.5	16.26
		298.0	63.2	21.81	59.4	20.77	56.1	20.10	55.6	18.94	55.2	18.26	54.3	16.62
		596.0	71.6	23.64	67.2	22.54	63.4	21.81	62.9	20.52	62.5	19.79	61.4	18.02
		745.0	79.2	25.53	74.3	24.31	70.1	23.52	69.6	22.11	69.0	21.38	67.8	19.43
		894.0	83.1	26.49	77.9	25.21	73.5	24.38	73.0	22.91	72.3	22.18	71.0	20.13
	0	238.4	109.5	31.24	101.1	29.79	93.9	28.80	92.3	27.11	90.8	26.19	87.6	23.82
		298.0	110.1	31.34	101.7	29.87	94.5	28.89	92.8	27.18	91.4	26.27	88.1	23.88
		596.0	112.6	31.70	104.1	30.18	96.7	29.26	95.0	27.49	93.6	26.57	90.1	24.13
		745.0	114.3	31.70	105.7	30.18	98.1	29.26	96.5	27.49	95.0	26.57	91.6	24.13
		894.0	115.1	31.70	106.6	30.18	98.8	29.26	97.2	27.49	95.7	26.57	92.3	24.13
	5	238.4	151.2	34.04	143.2	32.39	136.4	31.35	133.5	29.55	127.5	28.50	121.5	25.88
		298.0	151.5	34.21	143.5	32.56	136.4	31.52	133.5	29.69	127.5	28.65	121.5	26.02
		596.0	152.8	34.88	144.6	33.23	136.6	32.19	133.5	30.24	127.5	29.26	121.5	26.57
		745.0	152.8	35.12	144.4	33.48	136.6	32.44	133.5	30.48	127.5	29.44	121.5	26.76
		894.0	152.8	35.25	144.3	33.60	136.6	32.56	133.5	30.61	127.5	29.54	121.5	26.85
	10	238.4	151.9	31.34	143.7	29.63	136.6	28.53	133.5	26.94	127.5	25.84	121.5	23.64
		298.0	152.1	31.28	143.9	29.57	136.6	28.47	133.5	26.94	127.5	25.84	121.5	23.64
		596.0	152.8	31.03	144.4	29.32	136.6	28.22	133.5	26.94	127.5	25.84	121.5	23.64
		745.0	152.8	31.15	144.4	29.44	136.6	28.34	133.5	27.06	127.5	25.66	121.5	23.70
		894.0	152.8	31.22	144.4	29.51	136.6	28.41	133.5	27.12	127.5	25.56	121.5	23.73
	15	238.4	152.8	28.64	144.4	26.87	136.6	25.72	133.5	24.33	127.5	23.18	121.5	21.41
		298.0	152.8	28.34	144.4	26.57	136.6	25.41	133.5	24.19	127.5	23.03	121.5	21.26
		596.0	152.8	27.18	144.4	25.41	136.6	24.19	133.5	23.64	127.5	22.42	121.5	20.65
		745.0	152.8	27.18	144.4	25.41	136.6	24.19	133.5	23.64	127.5	21.87	121.5	20.65
		894.0	152.8	27.18	144.4	25.41	136.6	24.19	133.5	23.64	127.5	21.59	121.5	20.65
	20	238.4	152.8	23.79	144.4	22.56	136.6	22.02	133.5	21.41	127.5	20.25	121.5	19.01
		298.0	152.8	23.64	144.4	22.42	136.6	21.87	133.5	21.26	127.5	20.10	121.5	18.88
		596.0	152.8	23.03	144.4	21.87	136.6	21.26	133.5	20.65	127.5	19.49	121.5	18.33
		745.0	152.8	23.03	144.4	21.87	136.6	21.26	133.5	20.10	127.5	19.49	121.5	17.72
		894.0	152.8	23.03	144.4	21.87	136.6	21.26	133.5	19.82	127.5	19.49	121.5	17.41
	25	238.4	152.8	21.41	144.4	20.25	136.6	19.01	133.5	18.48	127.5	17.10	121.5	15.94
		298.0	152.8	21.26	144.4	20.10	136.6	18.88	133.5	18.33	127.5	17.10	121.5	15.94
		596.0	152.8	20.65	144.4	19.49	136.6	18.33	133.5	17.72	127.5	17.10	121.5	15.94
		745.0	152.8	20.10	144.4	18.88	136.6	18.33	133.5	17.72	127.5	16.55	121.5	15.94
		894.0	152.8	19.82	144.4	18.57	136.6	18.33	133.5	17.72	127.5	16.28	121.5	15.94
	30	238.4	152.8	19.01	144.4	17.87	136.6	16.71	133.5	15.94	127.5	15.47	121.5	14.17
		298.0	152.8	18.88	144.4	17.72	136.6	16.55	133.5	15.94	127.5	15.33	121.5	14.17
		596.0	152.8	18.33	144.4	17.10	136.6	15.94	133.5	15.94	127.5	14.78	121.5	14.17
		745.0	152.8	18.33	144.4	17.10	136.6	15.94	133.5	15.33	127.5	14.78	121.5	14.17
		894.0	152.8	18.33	144.4	17.10	136.6	15.94	133.5	15.02	127.5	14.78	121.5	14.17
	35	238.4	152.8	17.24	144.4	16.10	136.6	14.78	133.5	14.94	127.5	13.56	121.5	13.17
		298.0	152.8	17.10	144.4	15.94	136.6	14.78	133.5	14.78	127.5	13.56	121.5	13.01
		596.0	152.8	16.55	144.4	15.33	136.6	14.78	133.5	14.17	127.5	13.56	121.5	12.40
		745.0	152.8	16.55	144.4	15.33	136.6	14.17	133.5	14.17	127.5	13.56	121.5	12.40
		894.0	152.8	16.55	144.4	15.33	136.6	13.86	133.5	14.17	127.5	13.56	121.5	12.40
	40	238.4	152.8	16.10	144.4	14.94	136.6	13.70	133.5	13.01	127.5	12.40	121.5	11.93
		298.0	152.8	15.94	144.4	14.78	136.6	13.56	133.5	13.01	127.5	12.40	121.5	11.79
		596.0	152.8	15.33	144.4	14.17	136.6	13.01	133.5	13.01	127.5	12.40	121.5	11.24
		745.0	152.8	15.33	144.4	14.17	136.6	13.01	133.5	12.40	127.5	11.79	121.5	11.24
		894.0	152.8	15.33	144.4	14.17	136.6	13.01	133.5	12.09	127.5	11.48	121.5	11.24
	45	238.4	152.8	14.94	144.4	13.70	136.6	12.69	133.5	11.10	127.5	11.24	121.5	10.78
		298.0	152.8	14.78	144.4	13.56	136.6	12.40	133.5	11.24	127.5	11.24	121.5	10.63
		596.0	152.8	14.17	144.4	13.01	136.6	11.24	133.5	11.79	127.5	11.24	121.5	10.02
		745.0	152.8	14.17	144.4	13.01	136.6	11.79	133.5	10.63	127.5	10.02	121.5	10.02
		894.0	152.8	14.17	144.4	13.01	136.6	12.07	133.5	10.04	127.5	9.40	121.5	10.02
60	-5	238.4	52.5	17.33	49.2	16.67	46.5	16.02	46.0	14.89	45.8	14.64	44.9	13.08
		298.0	54.3	17.72	50.9	17.04	48.1	16.37	47.6	15.21	47.4	14.97	46.5	13.38
		596.0	61.6	19.24	57.6	18.51	54.5	17.78	54.0	16.49	53.8	16.25	52.7	14.54
		745.0	67.9	20.71	63.6	19.98	60.3	19.18	59.6	17.84	59.4	17.53	58.1	15.64
		894.0	71.2	21.45	66.6	20.71	63.2	19.89	62.4	18.51	62.2	18.18	60.9	16.19

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	238.4	93.9	25.40	86.5	24.49	80.7	23.44	79.1	21.81	78.0	21.50	75.2	19.20
		298.0	94.5	25.47	87.0	24.56	81.2	23.52	79.6	21.87	78.5	21.56	75.6	19.24
		596.0	96.7	25.78	89.0	24.80	83.2	23.82	81.4	22.11	80.3	21.81	77.2	19.43
		745.0	98.1	25.78	90.5	24.80	84.5	23.82	82.7	22.11	81.6	21.81	78.5	19.43
		894.0	98.8	25.78	91.2	24.80	85.1	23.82	83.3	22.11	82.2	21.81	79.1	19.43
	5	238.4	129.8	27.66	122.4	26.62	117.4	25.52	114.5	23.76	109.5	23.39	104.3	20.84
		298.0	130.1	27.79	122.6	26.76	117.4	25.66	114.5	23.88	109.5	23.52	104.3	20.95
		596.0	131.2	28.34	123.5	27.31	117.4	26.21	114.5	24.37	109.5	24.01	104.3	21.38
		745.0	131.2	28.59	123.4	27.49	117.4	26.39	114.5	24.56	109.5	24.13	104.3	21.56
		894.0	131.2	28.71	123.3	27.58	117.4	26.48	114.5	24.65	109.5	24.19	104.3	21.66
	10	238.4	130.5	25.41	122.9	24.31	117.4	23.15	114.5	21.62	109.5	21.21	104.3	19.01
		298.0	130.6	25.41	123.0	24.31	117.4	23.15	114.5	21.69	109.5	21.20	104.3	19.06
		596.0	131.2	25.41	123.5	24.31	117.4	23.15	114.5	21.93	109.5	21.14	104.3	19.24
		745.0	131.2	25.47	123.4	24.07	117.4	22.91	114.5	21.69	109.5	20.95	104.3	19.06
		894.0	131.2	25.50	123.3	23.94	117.4	22.78	114.5	21.56	109.5	20.86	104.3	18.97
	15	238.4	131.2	23.18	123.4	22.02	117.4	20.79	114.5	19.49	109.5	19.01	104.3	17.10
		298.0	131.2	23.03	123.4	21.87	117.4	20.65	114.5	19.49	109.5	18.88	104.3	17.10
		596.0	131.2	22.42	123.4	21.26	117.4	20.10	114.5	19.49	109.5	18.33	104.3	17.10
		745.0	131.2	22.42	123.4	20.65	117.4	19.49	114.5	18.88	109.5	17.72	104.3	16.55
		894.0	131.2	22.42	123.4	20.34	117.4	19.18	114.5	18.57	109.5	17.41	104.3	16.28
	20	238.4	131.2	20.25	123.4	19.01	117.4	17.87	114.5	17.24	109.5	16.71	104.3	15.47
		298.0	131.2	20.10	123.4	18.88	117.4	17.72	114.5	17.10	109.5	16.55	104.3	15.33
		596.0	131.2	19.49	123.4	18.33	117.4	17.10	114.5	16.55	109.5	15.94	104.3	14.78
		745.0	131.2	19.49	123.4	18.33	117.4	17.10	114.5	16.55	109.5	15.94	104.3	14.78
		894.0	131.2	19.49	123.4	18.33	117.4	17.10	114.5	16.55	109.5	15.94	104.3	14.78
	25	238.4	131.2	17.87	123.4	16.71	117.4	15.33	114.5	15.47	109.5	14.17	104.3	13.70
		298.0	131.2	17.72	123.4	16.55	117.4	15.33	114.5	15.33	109.5	14.17	104.3	13.56
		596.0	131.2	17.10	123.4	15.94	117.4	15.33	114.5	14.78	109.5	14.17	104.3	13.01
		745.0	131.2	17.10	123.4	15.94	117.4	14.78	114.5	14.78	109.5	14.17	104.3	13.01
		894.0	131.2	17.10	123.4	15.94	117.4	14.51	114.5	14.78	109.5	14.17	104.3	13.01
	30	238.4	131.2	16.10	123.4	14.94	117.4	14.33	114.5	13.70	109.5	13.17	104.3	12.55
		298.0	131.2	15.94	123.4	14.78	117.4	14.17	114.5	13.56	109.5	13.01	104.3	12.40
		596.0	131.2	15.33	123.4	14.17	117.4	13.56	114.5	13.01	109.5	12.40	104.3	11.79
		745.0	131.2	15.33	123.4	14.17	117.4	13.56	114.5	13.01	109.5	12.40	104.3	11.79
		894.0	131.2	15.33	123.4	14.17	117.4	13.56	114.5	13.01	109.5	12.40	104.3	11.79
	35	238.4	131.2	14.17	123.4	13.70	117.4	12.40	114.5	12.55	109.5	11.93	104.3	11.39
		298.0	131.2	14.17	123.4	13.56	117.4	12.40	114.5	12.40	109.5	11.79	104.3	11.24
		596.0	131.2	14.17	123.4	13.01	117.4	12.40	114.5	11.79	109.5	11.24	104.3	10.63
		745.0	131.2	14.17	123.4	13.01	117.4	11.79	114.5	11.79	109.5	11.24	104.3	10.63
		894.0	131.2	14.17	123.4	13.01	117.4	11.48	114.5	11.79	109.5	11.24	104.3	10.63
	40	238.4	131.2	13.01	123.4	12.55	117.4	11.24	114.5	11.39	109.5	10.78	104.3	10.02
		298.0	131.2	13.01	123.4	12.40	117.4	11.24	114.5	11.24	109.5	10.63	104.3	10.02
		596.0	131.2	13.01	123.4	11.79	117.4	11.24	114.5	10.63	109.5	10.02	104.3	10.02
		745.0	131.2	13.01	123.4	11.79	117.4	11.24	114.5	10.63	109.5	10.02	104.3	10.02
		894.0	131.2	13.01	123.4	11.79	117.4	11.24	114.5	10.63	109.5	10.02	104.3	10.02
	45	238.4	131.2	11.79	123.4	11.39	117.4	10.02	114.5	10.16	109.5	9.62	104.3	8.70
		298.0	131.2	11.79	123.4	11.24	117.4	10.02	114.5	10.02	109.5	9.47	104.3	8.86
		596.0	131.2	11.79	123.4	10.63	117.4	10.02	114.5	9.47	109.5	8.86	104.3	9.47
		745.0	131.2	11.79	123.4	10.63	117.4	10.63	114.5	9.47	109.5	8.86	104.3	9.47
		894.0	131.2	11.79	123.4	10.63	117.4	10.94	114.5	9.47	109.5	8.86	104.3	9.47
50	-5	238.4	43.8	13.82	41.1	13.08	38.8	12.38	38.3	11.71	38.1	10.99	37.4	10.41
		298.0	45.2	14.11	42.5	13.38	40.2	12.64	39.6	11.97	39.4	11.24	38.7	10.63
		596.0	51.1	15.27	48.0	14.54	45.4	13.68	44.9	13.01	44.7	12.22	43.8	11.48
		745.0	56.5	16.49	53.0	15.64	50.1	14.78	49.6	14.05	49.2	13.13	48.5	12.40
		894.0	59.2	17.11	55.6	16.19	52.5	15.34	52.0	14.57	51.5	13.60	50.9	12.86
	0	238.4	78.0	20.23	72.3	19.20	67.2	18.08	65.7	17.16	64.8	16.14	62.5	15.23
		298.0	78.5	20.28	72.7	19.24	67.6	18.14	66.1	17.23	65.2	16.19	62.9	15.27
		596.0	80.3	20.46	74.3	19.43	69.2	18.39	67.8	17.47	66.9	16.37	64.3	15.45
		745.0	81.6	20.46	75.4	19.43	70.1	18.39	68.9	17.47	67.8	16.37	65.4	15.45
		894.0	82.2	20.46	75.9	19.43	70.6	18.39	69.4	17.47	68.2	16.37	66.0	15.45
	5	238.4	107.9	22.01	102.3	20.84	97.5	19.68	95.2	18.72	91.0	17.58	86.8	16.52
		298.0	108.1	22.11	102.5	20.95	97.6	19.79	95.2	18.81	91.0	17.65	86.8	16.62
		596.0	109.0	22.54	103.2	21.38	97.7	20.22	95.2	19.18	91.0	17.96	86.8	16.98
		745.0	109.0	22.72	103.0	21.56	97.7	20.34	95.2	19.30	91.0	18.14	86.8	17.10
		894.0	109.0	22.82	102.9	21.66	97.7	20.40	95.2	19.36	91.0	18.23	86.8	17.17

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(62HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	238.4	108.5	20.25	102.5	19.07	97.5	17.93	95.2	17.13	91.0	15.84	86.8	15.12
		298.0	108.6	20.22	102.6	19.06	97.6	17.90	95.2	17.10	91.0	15.88	86.8	15.09
		596.0	109.0	20.10	103.2	19.00	97.7	17.78	95.2	16.98	91.0	16.07	86.8	14.97
		745.0	109.0	20.22	103.0	19.06	97.7	17.84	95.2	17.04	91.0	15.82	86.8	15.03
		894.0	109.0	20.28	102.9	19.09	97.7	17.87	95.2	17.07	91.0	15.70	86.8	15.06
	15	238.4	109.0	18.48	103.0	17.24	97.7	16.10	95.2	15.47	91.0	14.17	86.8	13.70
		298.0	109.0	18.33	103.0	17.10	97.7	15.94	95.2	15.33	91.0	14.17	86.8	13.56
		596.0	109.0	17.72	103.0	16.55	97.7	15.33	95.2	14.78	91.0	14.17	86.8	13.01
		745.0	109.0	17.72	103.0	16.55	97.7	15.33	95.2	14.78	91.0	13.56	86.8	13.01
		894.0	109.0	17.72	103.0	16.55	97.7	15.33	95.2	14.78	91.0	13.25	86.8	13.01
	20	238.4	109.0	16.10	103.0	14.94	97.7	14.33	95.2	13.70	91.0	13.17	86.8	11.79
		298.0	109.0	15.94	103.0	14.78	97.7	14.17	95.2	13.56	91.0	13.01	86.8	11.79
		596.0	109.0	15.33	103.0	14.17	97.7	13.56	95.2	13.01	91.0	12.40	86.8	11.79
		745.0	109.0	15.33	103.0	14.17	97.7	13.56	95.2	13.01	91.0	12.40	86.8	11.79
		894.0	109.0	15.33	103.0	14.17	97.7	13.56	95.2	13.01	91.0	12.40	86.8	11.79
	25	238.4	109.0	14.33	103.0	13.01	97.7	12.55	95.2	11.79	91.0	11.24	86.8	10.63
		298.0	109.0	14.17	103.0	13.01	97.7	12.40	95.2	11.79	91.0	11.24	86.8	10.63
		596.0	109.0	13.56	103.0	13.01	97.7	11.79	95.2	11.79	91.0	11.24	86.8	10.63
		745.0	109.0	13.56	103.0	13.01	97.7	11.79	95.2	11.79	91.0	11.24	86.8	10.63
		894.0	109.0	13.56	103.0	13.01	97.7	11.79	95.2	11.79	91.0	11.24	86.8	10.63
	30	238.4	109.0	13.17	103.0	11.93	97.7	11.39	95.2	10.63	91.0	10.78	86.8	10.16
		298.0	109.0	13.01	103.0	11.79	97.7	11.24	95.2	10.63	91.0	10.63	86.8	10.02
		596.0	109.0	12.40	103.0	11.24	97.7	10.63	95.2	10.63	91.0	10.02	86.8	9.47
		745.0	109.0	12.40	103.0	11.24	97.7	10.63	95.2	10.63	91.0	10.02	86.8	9.47
		894.0	109.0	12.40	103.0	11.24	97.7	10.63	95.2	10.63	91.0	10.02	86.8	9.47
	35	238.4	109.0	11.93	103.0	10.63	97.7	10.02	95.2	10.16	91.0	9.47	86.8	8.86
		298.0	109.0	11.79	103.0	10.63	97.7	10.02	95.2	10.02	91.0	9.47	86.8	8.86
		596.0	109.0	11.24	103.0	10.63	97.7	10.02	95.2	9.47	91.0	9.47	86.8	8.86
		745.0	109.0	11.24	103.0	10.63	97.7	10.02	95.2	9.47	91.0	9.47	86.8	8.86
		894.0	109.0	11.24	103.0	10.63	97.7	10.02	95.2	9.47	91.0	9.47	86.8	8.86
	40	238.4	109.0	10.78	103.0	10.16	97.7	9.62	95.2	8.86	91.0	9.01	86.8	8.25
		298.0	109.0	10.63	103.0	10.02	97.7	9.47	95.2	8.86	91.0	8.86	86.8	8.25
		596.0	109.0	10.02	103.0	9.47	97.7	8.86	95.2	8.86	91.0	8.25	86.8	8.25
		745.0	109.0	10.02	103.0	9.47	97.7	8.86	95.2	8.86	91.0	8.25	86.8	8.25
		894.0	109.0	10.02	103.0	9.47	97.7	8.86	95.2	8.86	91.0	8.25	86.8	8.25
	45	238.4	109.0	9.62	103.0	9.78	97.7	9.15	95.2	7.56	91.0	8.54	86.8	7.70
		298.0	109.0	9.47	103.0	9.47	97.7	8.86	95.2	7.70	91.0	8.25	86.8	7.70
		596.0	109.0	8.86	103.0	8.25	97.7	7.70	95.2	8.25	91.0	7.09	86.8	7.70
		745.0	109.0	8.86	103.0	8.25	97.7	7.70	95.2	8.25	91.0	7.09	86.8	7.70
		894.0	109.0	8.86	103.0	8.25	97.7	7.70	95.2	8.25	91.0	7.09	86.8	7.70

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(64HP)

ARWN640LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	246.4	95.4	38.58	94.7	36.32	94.1	33.82	92.8	32.82	93.9	31.96	91.3	28.66
		308.0	98.6	39.25	97.9	37.03	97.3	34.55	96.0	33.54	97.1	32.65	94.5	29.28
		616.0	111.6	41.92	110.6	39.83	110.1	37.48	108.6	36.40	109.9	35.38	107.1	31.76
		770.0	123.4	44.59	122.3	42.56	121.5	40.40	120.0	39.32	121.5	38.17	118.3	34.24
		924.0	129.4	45.93	128.1	43.93	127.3	41.87	125.8	40.79	127.4	39.58	124.0	35.48
	0	246.4	170.4	52.77	166.5	51.19	163.0	49.53	159.4	48.13	160.0	46.81	152.6	41.92
		308.0	171.4	52.91	167.5	51.32	163.9	49.67	160.3	48.27	160.9	46.94	153.6	42.05
		616.0	175.5	53.48	171.2	51.83	167.7	50.24	164.1	48.84	164.7	47.45	157.3	42.56
		770.0	178.2	53.48	173.8	51.83	170.3	50.24	166.5	48.84	167.1	47.45	159.6	42.56
		924.0	179.5	53.48	175.2	51.83	171.6	50.24	167.8	48.84	168.3	47.45	160.7	42.56
	5	246.4	245.4	56.72	241.7	55.32	236.6	53.91	230.7	52.38	224.5	50.94	212.1	45.62
		308.0	246.2	56.97	242.1	55.58	236.7	54.18	230.7	52.66	224.5	51.19	212.1	45.86
		616.0	249.6	57.99	243.8	56.59	236.9	55.26	230.7	53.74	224.5	52.21	212.1	46.81
		770.0	251.1	58.37	244.5	56.97	236.9	55.64	230.7	54.12	224.5	52.59	212.1	47.13
		924.0	251.9	58.56	244.9	57.17	236.9	55.83	230.7	54.31	224.5	52.78	212.1	47.29
	10	246.4	245.7	51.61	241.7	49.88	235.9	48.94	229.7	47.84	223.6	46.21	211.2	41.70
		308.0	247.2	51.51	242.9	49.92	236.9	49.04	230.7	47.83	224.5	46.18	212.1	41.67
		616.0	253.0	51.13	247.4	50.12	240.6	49.42	234.4	47.76	227.9	46.05	215.5	41.54
		770.0	254.3	51.83	249.0	50.81	242.1	49.61	235.5	47.96	229.4	46.81	216.8	43.51
		924.0	255.0	52.18	249.9	51.17	242.9	49.70	236.1	48.05	230.1	47.20	217.5	44.50
	15	246.4	246.1	46.52	241.8	44.53	235.0	44.05	228.8	43.32	222.8	41.48	210.4	37.80
		308.0	248.1	46.05	243.6	44.34	236.9	43.95	230.7	43.00	224.5	41.16	212.1	37.48
		616.0	256.2	44.21	250.9	43.57	244.4	43.57	238.2	41.73	231.2	39.89	218.9	36.20
		770.0	257.5	45.29	253.4	44.59	247.4	43.57	240.6	41.73	234.4	41.03	221.5	39.89
		924.0	258.1	45.83	254.6	45.10	248.9	43.57	241.8	41.73	236.0	41.61	222.8	41.75
	20	246.4	255.4	42.67	250.8	40.68	244.2	39.79	237.4	38.52	230.5	37.66	216.8	36.51
		308.0	257.5	42.37	252.8	40.65	246.0	39.76	239.3	38.68	232.5	37.92	218.9	36.20
		616.0	265.5	41.16	260.9	40.52	253.5	39.63	246.8	39.32	240.6	38.94	226.9	35.00
		770.0	266.7	41.16	262.7	40.52	256.5	39.89	249.2	39.32	242.5	38.94	228.8	37.22
		924.0	267.2	41.16	263.7	40.52	258.1	40.02	250.5	39.32	243.4	38.94	229.7	38.34
	25	246.4	269.7	40.68	262.7	39.51	256.5	38.84	251.7	38.19	246.0	37.64	232.0	35.16
		308.0	269.7	40.52	262.7	39.44	256.5	38.68	251.7	38.05	246.0	37.48	232.0	35.00
		616.0	269.7	39.89	262.7	39.19	256.5	38.05	251.7	37.48	246.0	36.84	232.0	34.36
		770.0	269.7	39.32	262.7	38.17	256.5	37.48	251.7	36.84	246.0	36.20	232.0	33.79
		924.0	269.7	39.03	262.7	37.66	256.5	37.19	251.7	36.52	246.0	35.88	232.0	33.50
	30	246.4	269.7	39.64	262.7	37.67	256.5	37.32	251.7	36.35	246.0	35.95	232.0	33.46
		308.0	269.7	39.32	262.7	37.60	256.5	37.09	251.7	36.20	246.0	35.63	232.0	33.16
		616.0	269.7	38.05	262.7	37.35	256.5	36.20	251.7	35.63	246.0	34.36	232.0	31.95
		770.0	269.7	37.48	262.7	36.33	256.5	35.63	251.7	35.00	246.0	34.36	232.0	31.95
		924.0	269.7	37.19	262.7	35.82	256.5	35.35	251.7	34.68	246.0	34.36	232.0	31.95
	35	246.4	269.7	37.80	262.7	36.54	256.5	35.79	251.7	34.51	246.0	33.32	232.0	30.98
		308.0	269.7	37.48	262.7	36.33	256.5	35.63	251.7	34.36	246.0	33.16	232.0	30.68
		616.0	269.7	36.20	262.7	35.51	256.5	35.00	251.7	33.79	246.0	32.52	232.0	29.47
		770.0	269.7	36.20	262.7	35.13	256.5	34.36	251.7	33.16	246.0	31.95	232.0	29.47
		924.0	269.7	36.20	262.7	34.93	256.5	34.04	251.7	32.84	246.0	31.66	232.0	29.47
	40	246.4	269.7	36.51	262.7	35.35	256.5	34.67	251.7	33.46	246.0	32.27	232.0	29.14
		308.0	269.7	36.20	262.7	35.13	256.5	34.36	251.7	33.16	246.0	31.95	232.0	28.84
		616.0	269.7	35.00	262.7	34.24	256.5	33.16	251.7	31.95	246.0	30.68	232.0	27.63
		770.0	269.7	34.36	262.7	33.66	256.5	33.16	251.7	31.95	246.0	30.68	232.0	27.63
		924.0	269.7	34.04	262.7	33.38	256.5	33.16	251.7	31.95	246.0	30.68	232.0	27.63
	45	246.4	269.7	35.30	262.7	34.14	256.5	33.62	251.7	32.41	246.0	31.14	232.0	27.30
		308.0	269.7	35.00	262.7	33.92	256.5	33.16	251.7	31.95	246.0	30.68	232.0	26.99
		616.0	269.7	33.79	262.7	33.03	256.5	31.31	251.7	30.11	246.0	28.84	232.0	25.79
		770.0	269.7	32.52	262.7	32.20	256.5	31.95	251.7	30.68	246.0	29.47	232.0	25.79
		924.0	269.7	31.88	262.7	31.79	256.5	32.27	251.7	30.97	246.0	29.79	232.0	25.79
120	-5	246.4	90.6	38.58	89.9	36.32	89.4	33.82	88.3	32.39	89.0	31.45	86.7	28.15
		308.0	93.8	39.25	93.0	37.03	92.5	34.55	91.3	33.09	92.1	32.14	89.6	28.77
		616.0	106.1	41.92	105.2	39.83	104.6	37.48	103.3	35.89	104.3	34.87	101.5	31.25
		770.0	117.2	44.59	116.3	42.56	115.5	40.40	114.2	38.75	115.1	37.60	112.0	33.66
		924.0	122.8	45.93	121.8	43.93	121.0	41.87	119.7	40.19	120.6	38.98	117.3	34.88
	0	246.4	162.0	52.77	158.1	51.19	154.7	49.53	151.6	47.43	151.6	46.11	144.6	41.22
		308.0	163.0	52.91	159.0	51.32	155.7	49.67	152.5	47.57	152.5	46.24	145.5	41.35
		616.0	166.7	53.48	162.8	51.83	159.4	50.24	156.0	48.15	156.0	46.75	149.1	41.86
		770.0	169.3	53.48	165.4	51.83	161.8	50.24	158.5	48.15	158.3	46.75	151.3	41.86
		924.0	170.7	53.48	166.7	51.83	163.1	50.24	159.7	48.15	159.4	46.75	152.5	41.86

Notes:

TC: Total Capacity(kW)　　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	246.4	233.6	56.72	230.1	55.32	225.0	53.91	219.6	51.62	212.7	50.18	201.0	44.94
		308.0	234.4	56.97	230.5	55.58	225.0	54.18	219.6	51.89	212.7	50.43	201.0	45.16
		616.0	237.8	57.99	232.2	56.59	225.0	55.26	219.6	52.97	212.7	51.45	201.0	46.05
		770.0	239.1	58.37	230.9	56.97	225.0	55.64	219.6	53.35	212.7	51.83	201.0	46.37
		924.0	239.8	58.56	230.2	57.17	225.0	55.83	219.6	53.55	212.7	52.02	201.0	46.53
	10	246.4	234.5	50.95	230.1	49.54	224.4	48.54	219.0	47.07	212.1	45.51	200.5	40.92
		308.0	235.5	51.13	231.0	49.73	225.0	48.72	219.6	47.13	212.7	45.48	201.0	40.97
		616.0	239.9	51.83	234.8	50.50	227.5	49.42	222.0	47.38	214.9	45.35	203.1	41.16
		770.0	241.2	51.64	234.0	50.50	228.4	49.61	223.0	47.57	215.9	45.54	204.0	42.56
		924.0	241.8	51.54	233.7	50.50	228.9	49.70	223.5	47.67	216.3	45.64	204.5	43.26
	15	246.4	235.1	45.19	230.4	43.86	223.8	43.18	218.4	42.53	211.6	40.83	199.9	37.00
		308.0	236.5	45.29	231.8	43.95	225.0	43.26	219.6	42.37	212.7	40.52	201.0	36.84
		616.0	241.9	45.67	237.4	44.34	230.1	43.57	224.5	41.73	217.0	39.32	205.4	36.20
		770.0	243.2	44.97	237.2	43.95	232.0	43.57	226.4	41.73	218.9	39.32	207.2	38.68
		924.0	243.9	44.62	237.1	43.76	232.9	43.57	227.3	41.73	219.8	39.32	208.2	39.93
	20	246.4	241.7	40.65	237.1	38.92	230.0	37.89	223.6	37.33	216.4	36.87	204.7	35.00
		308.0	243.2	40.65	238.5	39.06	231.2	38.05	225.0	37.48	217.7	36.84	205.9	34.87
		616.0	249.4	40.65	244.2	39.63	236.3	38.68	230.7	38.05	223.2	36.71	210.8	34.36
		770.0	250.5	40.27	244.0	39.32	238.2	38.68	232.0	38.05	224.5	36.84	212.1	35.63
		924.0	251.1	40.08	243.9	39.16	239.1	38.68	232.6	38.05	225.1	36.90	212.8	36.27
	25	246.4	253.4	38.45	246.0	36.65	238.2	35.95	233.1	35.16	226.9	34.51	214.5	32.11
		308.0	253.5	38.30	246.0	36.59	238.2	35.89	233.1	35.00	226.9	34.36	214.5	31.95
		616.0	254.1	37.73	246.0	36.33	238.2	35.63	233.1	34.36	226.9	33.79	214.5	31.31
		770.0	254.9	36.33	246.0	35.38	238.2	35.00	233.1	34.36	226.9	33.16	214.5	31.31
		924.0	255.2	35.63	246.0	34.90	238.2	34.68	233.1	34.36	226.9	32.84	214.5	31.31
	30	246.4	254.9	36.76	246.0	34.95	238.2	33.95	233.1	32.67	226.9	32.27	214.5	29.63
		308.0	254.9	36.46	246.0	34.74	238.2	33.79	233.1	32.52	226.9	31.95	214.5	29.47
		616.0	254.9	35.25	246.0	33.92	238.2	33.16	233.1	31.95	226.9	30.68	214.5	28.84
		770.0	254.9	34.11	246.0	33.16	238.2	32.52	233.1	31.95	226.9	30.68	214.5	28.27
		924.0	254.9	33.53	246.0	32.77	238.2	32.20	233.1	31.95	226.9	30.68	214.5	27.98
	35	246.4	254.9	35.11	246.0	33.21	238.2	32.27	233.1	30.98	226.9	29.78	214.5	27.14
		308.0	254.9	34.62	246.0	32.90	238.2	31.95	233.1	30.68	226.9	29.47	214.5	26.99
		616.0	254.9	32.65	246.0	31.70	238.2	30.68	233.1	29.47	226.9	28.27	214.5	26.42
		770.0	254.9	32.27	246.0	31.44	238.2	30.68	233.1	29.47	226.9	28.27	214.5	25.79
		924.0	254.9	32.07	246.0	31.31	238.2	30.68	233.1	29.47	226.9	28.27	214.5	25.47
	40	246.4	254.9	34.07	246.0	31.68	238.2	30.43	233.1	29.14	226.9	27.93	214.5	25.30
		308.0	254.9	33.41	246.0	31.31	238.2	30.11	233.1	28.84	226.9	27.63	214.5	25.15
		616.0	254.9	30.81	246.0	29.85	238.2	28.84	233.1	27.63	226.9	26.42	214.5	24.58
		770.0	254.9	30.42	246.0	29.47	238.2	28.84	233.1	27.63	226.9	26.42	214.5	23.95
		924.0	254.9	30.23	246.0	29.28	238.2	28.84	233.1	27.63	226.9	26.42	214.5	23.63
	45	246.4	254.9	33.02	246.0	30.16	238.2	28.59	233.1	27.30	226.9	26.09	214.5	23.46
		308.0	254.9	32.20	246.0	29.73	238.2	28.27	233.1	26.99	226.9	25.79	214.5	23.31
		616.0	254.9	28.96	246.0	28.01	238.2	26.99	233.1	25.79	226.9	24.58	214.5	22.74
		770.0	254.9	28.58	246.0	27.50	238.2	26.99	233.1	25.79	226.9	24.58	214.5	22.10
		924.0	254.9	28.39	246.0	27.25	238.2	26.99	233.1	25.79	226.9	24.58	214.5	21.78
110	-5	246.4	85.8	39.09	85.2	36.32	84.6	33.82	83.8	32.39	84.0	31.45	82.1	28.15
		308.0	88.7	39.76	88.1	37.03	87.6	34.55	86.6	33.09	86.8	32.14	85.0	28.77
		616.0	100.3	42.43	99.8	39.83	99.2	37.48	98.1	35.89	98.1	34.87	96.2	31.25
		770.0	110.8	45.16	110.1	42.56	109.5	40.40	108.4	38.75	108.4	37.60	106.1	33.66
		924.0	116.1	46.54	115.3	43.93	114.7	41.87	113.6	40.19	113.6	38.98	111.2	34.88
	0	246.4	153.3	53.48	149.9	51.19	146.7	49.53	143.9	47.43	142.6	46.11	137.2	41.22
		308.0	154.2	53.61	150.8	51.32	147.6	49.67	144.8	47.57	143.5	46.24	138.0	41.35
		616.0	157.7	54.12	154.3	51.83	151.0	50.24	148.2	48.15	146.8	46.75	141.2	41.86
		770.0	160.2	54.12	156.8	51.83	153.4	50.24	150.4	48.15	149.1	46.75	143.3	41.86
		924.0	161.4	54.12	158.0	51.83	154.6	50.24	151.5	48.15	150.2	46.75	144.3	41.86
	5	246.4	223.5	57.48	218.2	55.32	213.2	53.91	208.4	51.62	200.3	50.18	190.5	44.94
		308.0	224.3	57.74	218.7	55.58	213.2	54.18	208.4	51.89	200.3	50.43	190.5	45.16
		616.0	227.3	58.75	220.4	56.59	213.4	55.26	208.4	52.97	200.3	51.45	190.5	46.05
		770.0	228.6	59.13	220.9	56.97	213.4	55.64	208.4	53.35	200.3	51.83	190.5	46.37
		924.0	229.3	59.33	221.2	57.17	213.4	55.83	208.4	53.55	200.3	52.02	190.5	46.53
	10	246.4	224.4	51.54	218.8	49.78	212.9	48.70	208.0	47.07	200.0	45.51	190.3	40.92
		308.0	225.2	51.64	219.4	49.92	213.2	48.84	208.4	47.13	200.3	45.48	190.5	40.97
		616.0	228.6	52.02	221.7	50.50	214.5	49.42	209.7	47.38	201.6	45.35	191.5	41.16
		770.0	229.9	52.02	222.6	50.50	215.3	49.29	210.0	47.26	202.0	45.54	192.0	41.60
		924.0	230.6	52.02	223.1	50.50	215.7	49.23	210.2	47.19	202.2	45.64	192.3	41.83

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	246.4	225.0	45.61	219.2	44.34	212.8	43.57	207.7	42.53	199.6	40.83	190.1	37.00
		308.0	226.0	45.54	220.0	44.34	213.4	43.57	208.4	42.37	200.3	40.52	190.5	36.84
		616.0	229.7	45.29	223.2	44.34	215.9	43.57	210.8	41.73	202.9	39.32	192.4	36.20
		770.0	231.0	44.97	224.3	43.95	217.0	43.00	211.5	41.16	203.5	39.32	193.5	36.84
		924.0	231.7	44.81	224.9	43.76	217.5	42.71	211.9	40.87	203.8	39.32	194.1	37.16
	20	246.4	229.2	39.36	223.0	38.43	215.8	37.48	210.0	36.84	202.3	35.79	191.7	33.47
		308.0	230.5	39.44	223.7	38.43	216.4	37.48	210.8	36.84	202.9	35.63	192.4	33.41
		616.0	235.4	39.76	226.7	38.43	218.9	37.48	214.0	36.84	205.4	35.00	195.4	33.16
		770.0	236.7	39.76	228.6	38.43	220.2	37.48	214.5	36.20	206.5	35.00	196.0	33.16
		924.0	237.3	39.76	229.6	38.43	220.8	37.48	214.8	35.88	207.0	35.00	196.3	33.16
	25	246.4	236.4	35.82	229.4	34.51	220.2	33.95	215.3	32.67	207.8	31.47	196.7	28.84
		308.0	236.9	35.76	229.4	34.36	220.2	33.79	215.3	32.52	207.8	31.31	196.7	28.84
		616.0	238.7	35.51	229.4	33.79	220.2	33.16	215.3	31.95	207.8	30.68	196.7	28.84
		770.0	239.9	35.51	229.4	33.92	220.2	32.52	215.3	31.95	207.8	30.11	196.7	28.27
		924.0	240.4	35.51	229.4	33.98	220.2	32.20	215.3	31.95	207.8	29.82	196.7	27.98
	30	246.4	239.9	32.67	229.4	31.47	220.2	30.27	215.3	29.63	207.8	27.79	196.7	25.95
		308.0	239.9	32.52	229.4	31.31	220.2	30.11	215.3	29.47	207.8	27.63	196.7	25.79
		616.0	239.9	31.95	229.4	30.68	220.2	29.47	215.3	28.84	207.8	26.99	196.7	25.15
		770.0	239.9	31.70	229.4	30.11	220.2	28.84	215.3	28.27	207.8	26.99	196.7	25.15
		924.0	239.9	31.57	229.4	29.82	220.2	28.52	215.3	27.98	207.8	26.99	196.7	25.15
	35	246.4	239.9	30.98	229.4	28.98	220.2	27.79	215.3	26.58	207.8	25.30	196.7	23.46
		308.0	239.9	30.68	229.4	28.84	220.2	27.63	215.3	26.42	207.8	25.15	196.7	23.31
		616.0	239.9	29.47	229.4	28.27	220.2	26.99	215.3	25.79	207.8	24.58	196.7	22.74
		770.0	239.9	28.71	229.4	27.63	220.2	26.42	215.3	25.79	207.8	24.58	196.7	22.74
		924.0	239.9	28.33	229.4	27.31	220.2	26.14	215.3	25.79	207.8	24.58	196.7	22.74
	40	246.4	239.9	29.14	229.4	27.93	220.2	26.09	215.3	24.74	207.8	23.46	196.7	21.61
		308.0	239.9	28.84	229.4	27.63	220.2	25.79	215.3	24.58	207.8	23.31	196.7	21.47
		616.0	239.9	27.63	229.4	26.42	220.2	24.58	215.3	23.95	207.8	22.74	196.7	20.90
		770.0	239.9	27.25	229.4	25.79	220.2	24.58	215.3	23.31	207.8	22.10	196.7	20.26
		924.0	239.9	27.06	229.4	25.47	220.2	24.58	215.3	22.99	207.8	21.78	196.7	19.94
	45	246.4	239.9	27.30	229.4	26.89	220.2	24.41	215.3	22.90	207.8	21.61	196.7	19.77
		308.0	239.9	26.99	229.4	26.42	220.2	23.95	215.3	22.74	207.8	21.47	196.7	19.63
		616.0	239.9	25.79	229.4	24.58	220.2	22.10	215.3	22.10	207.8	20.90	196.7	19.06
		770.0	239.9	25.79	229.4	23.95	220.2	22.74	215.3	20.90	207.8	19.63	196.7	17.78
		924.0	239.9	25.79	229.4	23.63	220.2	23.06	215.3	20.29	207.8	18.99	196.7	17.14
100	-5	246.4	81.0	39.09	80.5	36.83	80.1	33.82	79.4	32.39	78.7	30.94	77.2	28.15
		308.0	83.8	39.76	83.3	37.54	82.9	34.55	82.1	33.09	81.4	31.63	79.9	28.77
		616.0	94.9	42.43	94.3	40.33	93.8	37.48	92.8	35.89	92.1	34.36	90.6	31.25
		770.0	104.8	45.16	104.1	43.13	103.5	40.40	102.6	38.75	101.8	37.03	100.0	33.66
		924.0	109.8	46.54	109.0	44.54	108.4	41.87	107.5	40.19	106.7	38.37	104.7	34.88
	0	246.4	144.9	53.48	141.7	51.89	138.7	49.53	136.3	47.43	133.8	45.41	129.2	41.22
		308.0	145.7	53.61	142.5	52.02	139.5	49.67	137.1	47.57	134.7	45.54	130.0	41.35
		616.0	149.1	54.12	145.9	52.53	142.7	50.24	140.3	48.15	137.8	46.05	133.0	41.86
		770.0	151.3	54.12	148.2	52.53	145.0	50.24	142.3	48.15	139.9	46.05	135.0	41.86
		924.0	152.5	54.12	149.3	52.53	146.1	50.24	143.4	48.15	140.9	46.05	136.1	41.86
	5	246.4	213.8	57.48	206.7	56.08	201.4	53.91	197.3	51.62	187.9	49.41	179.3	44.94
		308.0	214.5	57.74	207.0	56.34	201.4	54.18	197.3	51.89	187.9	49.67	179.3	45.16
		616.0	217.5	58.75	208.5	57.36	201.6	55.26	197.3	52.97	187.9	50.69	179.3	46.05
		770.0	218.9	59.13	209.1	57.74	201.6	55.64	197.3	53.35	187.9	51.00	179.3	46.37
		924.0	219.5	59.33	209.4	57.93	201.6	55.83	197.3	53.55	187.9	51.16	179.3	46.53
	10	246.4	215.0	51.40	207.3	50.27	201.6	48.70	197.3	47.07	187.9	44.73	179.3	40.92
		308.0	215.5	51.64	207.6	50.43	201.6	48.84	197.3	47.13	187.9	44.78	179.3	40.97
		616.0	217.5	52.59	208.7	51.07	201.6	49.42	197.3	47.38	187.9	44.97	179.3	41.16
		770.0	219.0	52.40	209.7	51.07	201.6	49.29	197.3	47.26	187.9	44.84	179.3	40.97
		924.0	219.8	52.31	210.1	51.07	201.6	49.23	197.3	47.19	187.9	44.78	179.3	40.87
	15	246.4	216.1	45.32	208.2	44.56	201.6	43.57	197.3	42.53	187.9	40.03	179.3	37.00
		308.0	216.4	45.54	208.4	44.59	201.6	43.57	197.3	42.37	187.9	39.89	179.3	36.84
		616.0	217.5	46.43	208.9	44.72	201.6	43.57	197.3	41.73	187.9	39.32	179.3	36.20
		770.0	219.4	45.67	210.0	44.34	201.6	43.00	197.3	41.16	187.9	38.68	179.3	35.63
		924.0	220.4	45.28	210.6	44.14	201.6	42.71	197.3	40.87	187.9	38.36	179.3	35.35
	20	246.4	217.3	38.76	209.3	37.76	201.6	36.84	197.3	36.35	187.9	33.95	179.3	32.27
		308.0	218.1	38.94	209.5	37.79	201.6	36.84	197.3	36.20	187.9	33.79	179.3	31.95
		616.0	221.3	39.63	210.0	37.92	201.6	36.84	197.3	35.63	187.9	33.16	179.3	30.68
		770.0	222.6	38.94	211.9	37.60	201.6	36.20	197.3	35.00	187.9	32.52	179.3	30.11
		924.0	223.3	38.58	212.9	37.44	201.6	35.88	197.3	34.68	187.9	32.20	179.3	29.82

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	246.4	219.9	33.89	212.7	32.82	201.6	31.47	197.3	30.27	187.9	28.43	179.3	25.79
		308.0	220.7	33.92	212.7	32.65	201.6	31.31	197.3	30.11	187.9	28.27	179.3	25.79
		616.0	223.9	34.05	212.7	31.95	201.6	30.68	197.3	29.47	187.9	27.63	179.3	25.79
		770.0	225.0	33.28	212.7	31.70	201.6	30.11	197.3	28.84	187.9	27.63	179.3	25.15
		924.0	225.6	32.90	212.7	31.57	201.6	29.82	197.3	28.52	187.9	27.63	179.3	24.83
	30	246.4	225.0	30.82	212.7	28.43	201.6	26.49	197.3	25.95	187.9	23.95	179.3	22.90
		308.0	225.0	30.68	212.7	28.27	201.6	26.42	197.3	25.79	187.9	23.95	179.3	22.74
		616.0	225.0	30.11	212.7	27.63	201.6	26.17	197.3	25.15	187.9	23.95	179.3	22.10
		770.0	225.0	29.47	212.7	27.63	201.6	25.79	197.3	25.15	187.9	23.31	179.3	22.10
		924.0	225.0	29.15	212.7	27.63	201.6	25.60	197.3	25.15	187.9	22.99	179.3	22.10
	35	246.4	225.0	28.59	212.7	26.09	201.6	23.38	197.3	22.90	187.9	21.61	179.3	19.77
		308.0	225.0	28.27	212.7	25.79	201.6	23.31	197.3	22.74	187.9	21.47	179.3	19.63
		616.0	225.0	26.99	212.7	24.58	201.6	23.06	197.3	22.10	187.9	20.90	179.3	19.06
		770.0	225.0	26.99	212.7	24.58	201.6	22.74	197.3	22.10	187.9	20.90	179.3	19.06
		924.0	225.0	26.99	212.7	24.58	201.6	22.58	197.3	22.10	187.9	20.90	179.3	19.06
	40	246.4	225.0	26.74	212.7	24.25	201.6	20.96	197.3	20.42	187.9	19.22	179.3	17.93
		308.0	225.0	26.42	212.7	23.95	201.6	20.90	197.3	20.26	187.9	19.06	179.3	17.78
		616.0	225.0	25.15	212.7	22.74	201.6	20.64	197.3	19.63	187.9	18.42	179.3	17.21
		770.0	225.0	24.58	212.7	22.74	201.6	20.26	197.3	19.63	187.9	18.42	179.3	17.21
		924.0	225.0	24.29	212.7	22.74	201.6	20.07	197.3	19.63	187.9	18.42	179.3	17.21
	45	246.4	225.0	24.90	212.7	22.41	201.6	18.48	197.3	17.93	187.9	16.74	179.3	16.09
		308.0	225.0	24.58	212.7	22.10	201.6	18.42	197.3	17.78	187.9	16.58	179.3	15.94
		616.0	225.0	23.31	212.7	20.90	201.6	18.17	197.3	17.21	187.9	15.94	179.3	15.37
		770.0	225.0	22.10	212.7	20.90	201.6	17.78	197.3	17.21	187.9	15.94	179.3	15.37
		924.0	225.0	21.50	212.7	20.90	201.6	17.59	197.3	17.21	187.9	15.94	179.3	15.37
90	-5	246.4	76.5	36.28	74.1	33.04	72.0	29.02	71.4	27.66	70.9	26.66	69.6	23.92
		308.0	79.1	36.90	76.7	33.66	74.5	29.66	73.9	28.27	73.3	27.25	72.0	24.45
		616.0	89.6	39.38	86.8	36.14	84.2	32.20	83.6	30.68	83.1	29.60	81.4	26.55
		770.0	99.0	41.86	95.8	38.68	93.0	34.74	92.3	33.09	91.7	31.89	90.0	28.65
		924.0	103.7	43.11	100.4	39.96	97.5	36.02	96.6	34.31	96.1	33.04	94.4	29.70
	0	246.4	136.8	49.42	130.5	46.37	124.5	42.57	122.7	40.60	120.6	39.08	116.1	35.09
		308.0	137.7	49.54	131.3	46.49	125.3	42.68	123.4	40.71	121.3	39.19	116.8	35.19
		616.0	140.8	50.05	134.3	47.00	128.3	43.13	126.2	41.16	124.1	39.63	119.6	35.57
		770.0	142.9	50.05	136.3	47.00	130.3	43.13	128.1	41.16	126.2	39.63	121.5	35.57
		924.0	143.9	50.05	137.4	47.00	131.4	43.13	129.0	41.16	127.3	39.63	122.5	35.57
	5	246.4	193.3	53.05	187.1	50.06	181.2	46.33	177.4	44.17	169.5	42.52	161.5	38.17
		308.0	193.5	53.29	187.0	50.31	181.2	46.56	177.4	44.40	169.5	42.75	161.5	38.36
		616.0	194.3	54.24	186.4	51.26	181.2	47.45	177.4	45.29	169.5	43.64	161.5	39.13
		770.0	195.4	54.56	187.0	51.58	181.2	47.83	177.4	45.61	169.5	43.95	161.5	39.44
		924.0	196.0	54.72	187.3	51.74	181.2	48.02	177.4	45.77	169.5	44.11	161.5	39.60
	10	246.4	194.4	46.84	187.8	44.54	181.2	41.94	177.4	40.22	169.5	38.59	161.5	34.78
		308.0	194.3	46.88	187.5	44.59	181.2	41.98	177.4	40.27	169.5	38.55	161.5	34.81
		616.0	193.9	47.00	186.6	44.78	181.2	42.18	177.4	40.46	169.5	38.43	161.5	34.93
		770.0	195.2	46.88	187.2	44.65	181.2	42.05	177.4	40.33	169.5	38.55	161.5	35.06
		924.0	195.9	46.81	187.4	44.59	181.2	41.98	177.4	40.27	169.5	38.62	161.5	35.13
	15	246.4	195.4	40.56	188.4	39.10	181.2	37.64	177.4	36.35	169.5	34.67	161.5	31.47
		308.0	195.0	40.40	188.1	38.94	181.2	37.48	177.4	36.20	169.5	34.36	161.5	31.31
		616.0	193.7	39.76	186.8	38.30	181.2	36.84	177.4	35.63	169.5	33.16	161.5	30.68
		770.0	195.0	39.19	187.3	37.73	181.2	36.20	177.4	35.00	169.5	33.16	161.5	30.68
		924.0	195.7	38.90	187.6	37.44	181.2	35.88	177.4	34.68	169.5	33.16	161.5	30.68
	20	246.4	196.5	34.24	189.2	33.25	181.2	32.11	177.4	30.82	169.5	29.78	161.5	27.93
		308.0	196.3	34.24	188.8	33.16	181.2	31.95	177.4	30.68	169.5	29.47	161.5	27.63
		616.0	195.6	34.24	187.3	32.77	181.2	31.31	177.4	30.11	169.5	28.27	161.5	26.42
		770.0	196.2	33.66	187.9	32.52	181.2	31.31	177.4	30.11	169.5	28.27	161.5	26.42
		924.0	196.4	33.38	188.2	32.39	181.2	31.31	177.4	30.11	169.5	28.27	161.5	26.42
	25	246.4	199.8	29.92	191.7	28.33	181.2	27.14	177.4	25.79	169.5	24.74	161.5	22.90
		308.0	200.3	29.85	191.7	28.27	181.2	26.99	177.4	25.79	169.5	24.58	161.5	22.74
		616.0	202.2	29.60	191.7	28.01	181.2	26.42	177.4	25.79	169.5	23.95	161.5	22.10
		770.0	202.9	28.84	191.7	27.38	181.2	26.42	177.4	25.15	169.5	23.95	161.5	22.10
		924.0	203.3	28.45	191.7	27.06	181.2	26.42	177.4	24.83	169.5	23.95	161.5	22.10
	30	246.4	202.9	27.14	191.7	25.30	181.2	23.46	177.4	22.90	169.5	21.61	161.5	19.63
		308.0	202.9	26.99	191.7	25.15	181.2	23.31	177.4	22.74	169.5	21.47	161.5	19.63
		616.0	202.9	26.42	191.7	24.58	181.2	22.74	177.4	22.10	169.5	20.90	161.5	19.63
		770.0	202.9	25.79	191.7	23.95	181.2	22.74	177.4	22.10	169.5	20.90	161.5	19.06
		924.0	202.9	25.47	191.7	23.63	181.2	22.74	177.4	22.10	169.5	20.90	161.5	18.77

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	246.4	202.9	24.74	191.7	22.90	181.2	21.06	177.4	20.42	169.5	19.22	161.5	17.93
		308.0	202.9	24.58	191.7	22.74	181.2	20.90	177.4	20.26	169.5	19.06	161.5	17.78
		616.0	202.9	23.95	191.7	22.10	181.2	20.26	177.4	19.63	169.5	18.42	161.5	17.21
		770.0	202.9	23.31	191.7	21.47	181.2	19.63	177.4	19.06	169.5	18.42	161.5	17.21
		924.0	202.9	22.99	191.7	21.15	181.2	19.31	177.4	18.77	169.5	18.42	161.5	17.21
	40	246.4	202.9	23.06	191.7	21.06	181.2	18.58	177.4	17.93	169.5	17.37	161.5	16.09
		308.0	202.9	22.74	191.7	20.90	181.2	18.42	177.4	17.78	169.5	17.21	161.5	15.94
		616.0	202.9	21.47	191.7	20.26	181.2	17.78	177.4	17.21	169.5	16.58	161.5	15.37
		770.0	202.9	21.47	191.7	20.26	181.2	17.78	177.4	17.21	169.5	16.58	161.5	15.37
		924.0	202.9	21.47	191.7	20.26	181.2	17.78	177.4	17.21	169.5	16.58	161.5	15.37
	45	246.4	202.9	21.36	191.7	19.22	181.2	16.09	177.4	15.53	169.5	15.53	161.5	14.25
		308.0	202.9	20.90	191.7	19.06	181.2	15.94	177.4	15.37	169.5	15.37	161.5	14.10
		616.0	202.9	19.06	191.7	18.42	181.2	15.37	177.4	14.74	169.5	14.74	161.5	13.53
		770.0	202.9	19.63	191.7	19.06	181.2	15.94	177.4	15.37	169.5	14.74	161.5	13.53
		924.0	202.9	19.91	191.7	19.38	181.2	16.23	177.4	15.69	169.5	14.74	161.5	13.53
80	-5	246.4	72.4	25.85	67.8	24.86	64.2	23.81	63.5	23.00	63.1	21.94	61.8	20.21
		308.0	74.8	26.42	70.1	25.41	66.4	24.33	65.6	23.50	65.3	22.42	63.9	20.64
		616.0	84.6	28.71	79.3	27.57	75.0	26.36	74.3	25.47	73.9	24.33	72.4	22.36
		770.0	93.6	30.93	87.6	29.73	82.9	28.46	82.0	27.50	81.6	26.23	79.9	24.14
		924.0	98.1	32.05	91.7	30.81	86.9	29.51	85.8	28.53	85.5	27.19	83.7	25.03
	0	246.4	129.2	37.93	119.1	36.41	110.9	34.90	108.9	33.69	107.4	32.11	103.3	29.58
		308.0	130.0	38.05	119.8	36.52	111.6	35.00	109.5	33.79	108.0	32.20	103.9	29.66
		616.0	133.1	38.49	122.6	36.97	114.2	35.38	112.1	34.17	110.6	32.58	106.3	29.98
		770.0	135.0	38.49	124.5	36.97	116.1	35.38	113.8	34.17	112.3	32.58	108.0	29.98
		924.0	136.0	38.49	125.5	36.97	117.0	35.38	114.7	34.17	113.2	32.58	108.9	29.98
	5	246.4	178.7	41.25	168.6	39.70	161.2	37.90	157.7	36.65	151.0	34.95	143.5	32.15
		308.0	179.1	41.48	169.0	39.89	161.3	38.11	157.7	36.84	151.0	35.13	143.5	32.33
		616.0	180.6	42.37	170.3	40.65	161.5	38.94	157.7	37.60	151.0	35.82	143.5	33.03
		770.0	180.6	42.62	170.1	40.97	161.5	39.19	157.7	37.86	151.0	36.08	143.5	33.22
		924.0	180.6	42.75	170.0	41.13	161.5	39.32	157.7	37.98	151.0	36.21	143.5	33.32
	10	246.4	179.7	37.97	169.3	36.25	161.2	34.41	157.7	33.46	151.0	31.68	143.5	29.33
		308.0	179.8	37.92	169.5	36.20	161.3	34.43	157.7	33.47	151.0	31.70	143.5	29.34
		616.0	180.6	37.73	170.3	36.01	161.5	34.49	157.7	33.54	151.0	31.76	143.5	29.41
		770.0	180.6	37.60	170.1	36.14	161.5	34.62	157.7	33.35	151.0	31.57	143.5	29.22
		924.0	180.6	37.54	170.0	36.21	161.5	34.68	157.7	33.25	151.0	31.47	143.5	29.12
	15	246.4	180.6	34.67	170.1	32.83	161.5	30.82	157.7	30.27	151.0	28.43	143.5	26.58
		308.0	180.6	34.36	170.1	32.52	161.5	30.68	157.7	30.11	151.0	28.27	143.5	26.42
		616.0	180.6	33.16	170.1	31.31	161.5	30.11	157.7	29.47	151.0	27.63	143.5	25.79
		770.0	180.6	32.52	170.1	31.31	161.5	30.11	157.7	28.84	151.0	26.99	143.5	25.15
		924.0	180.6	32.20	170.1	31.31	161.5	30.11	157.7	28.52	151.0	26.67	143.5	24.83
	20	246.4	180.6	28.98	170.1	27.79	161.5	26.42	157.7	25.95	151.0	24.74	143.5	22.90
		308.0	180.6	28.84	170.1	27.63	161.5	26.42	157.7	25.79	151.0	24.58	143.5	22.74
		616.0	180.6	28.27	170.1	26.99	161.5	26.42	157.7	25.15	151.0	23.95	143.5	22.10
		770.0	180.6	27.63	170.1	26.42	161.5	25.79	157.7	25.15	151.0	23.31	143.5	22.10
		924.0	180.6	27.31	170.1	26.14	161.5	25.47	157.7	25.15	151.0	22.99	143.5	22.10
	25	246.4	180.6	25.95	170.1	24.11	161.5	22.74	157.7	22.26	151.0	21.06	143.5	19.77
		308.0	180.6	25.79	170.1	23.95	161.5	22.74	157.7	22.10	151.0	20.90	143.5	19.63
		616.0	180.6	25.15	170.1	23.31	161.5	22.74	157.7	21.47	151.0	20.26	143.5	19.06
		770.0	180.6	24.58	170.1	23.31	161.5	22.10	157.7	21.47	151.0	20.26	143.5	19.06
		924.0	180.6	24.29	170.1	23.31	161.5	21.78	157.7	21.47	151.0	20.26	143.5	19.06
	30	246.4	180.6	22.90	170.1	21.61	161.5	20.42	157.7	19.77	151.0	18.58	143.5	17.37
		308.0	180.6	22.74	170.1	21.47	161.5	20.26	157.7	19.63	151.0	18.42	143.5	17.21
		616.0	180.6	22.10	170.1	20.90	161.5	19.63	157.7	19.06	151.0	17.78	143.5	16.58
		770.0	180.6	22.10	170.1	20.90	161.5	19.63	157.7	19.06	151.0	17.78	143.5	16.58
		924.0	180.6	22.10	170.1	20.90	161.5	19.63	157.7	19.06	151.0	17.78	143.5	16.58
	35	246.4	180.6	21.06	170.1	19.77	161.5	17.93	157.7	17.21	151.0	16.74	143.5	15.37
		308.0	180.6	20.90	170.1	19.63	161.5	17.78	157.7	17.21	151.0	16.58	143.5	15.37
		616.0	180.6	20.26	170.1	19.06	161.5	17.21	157.7	17.21	151.0	15.94	143.5	15.37
		770.0	180.6	20.26	170.1	18.42	161.5	17.21	157.7	16.58	151.0	15.94	143.5	14.74
		924.0	180.6	20.26	170.1	18.10	161.5	17.21	157.7	16.26	151.0	15.94	143.5	14.42
	40	246.4	180.6	19.93	170.1	17.93	161.5	15.94	157.7	16.09	151.0	14.74	143.5	14.25
		308.0	180.6	19.63	170.1	17.78	161.5	15.94	157.7	15.94	151.0	14.74	143.5	14.10
		616.0	180.6	18.42	170.1	17.21	161.5	15.94	157.7	15.37	151.0	14.74	143.5	13.53
		770.0	180.6	18.42	170.1	17.21	161.5	15.37	157.7	15.37	151.0	14.74	143.5	13.53
		924.0	180.6	18.42	170.1	17.21	161.5	15.08	157.7	15.37	151.0	14.74	143.5	13.53

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	246.4	180.6	18.89	170.1	16.09	161.5	13.94	157.7	15.04	151.0	12.73	143.5	13.20
		308.0	180.6	18.42	170.1	15.94	161.5	14.10	157.7	14.74	151.0	12.89	143.5	12.89
		616.0	180.6	16.58	170.1	15.37	161.5	14.74	157.7	13.53	151.0	13.53	143.5	11.69
		770.0	180.6	16.58	170.1	15.94	161.5	13.53	157.7	14.10	151.0	13.53	143.5	12.26
		924.0	180.6	16.58	170.1	16.23	161.5	12.92	157.7	14.39	151.0	13.53	143.5	12.55
70	-5	246.4	63.1	22.19	59.3	21.13	56.1	20.45	55.5	19.27	55.1	18.59	54.2	16.91
		308.0	65.3	22.68	61.3	21.60	57.9	20.90	57.4	19.69	57.0	18.99	56.1	17.28
		616.0	73.9	24.58	69.4	23.44	65.4	22.68	64.9	21.34	64.5	20.58	63.4	18.74
		770.0	81.8	26.55	76.7	25.28	72.4	24.45	71.8	22.99	71.3	22.23	70.0	20.20
		924.0	85.7	27.54	80.4	26.21	75.9	25.35	75.3	23.83	74.7	23.06	73.3	20.93
	0	246.4	113.0	32.49	104.4	30.98	96.9	29.95	95.3	28.18	93.8	27.23	90.4	24.77
		308.0	113.6	32.58	105.0	31.06	97.5	30.04	95.8	28.27	94.3	27.31	91.0	24.84
		616.0	116.3	32.97	107.5	31.38	99.8	30.42	98.1	28.58	96.6	27.63	93.0	25.09
		770.0	118.0	32.97	109.1	31.38	101.3	30.42	99.6	28.58	98.1	27.63	94.5	25.09
		924.0	118.8	32.97	110.0	31.38	102.0	30.42	100.3	28.58	98.8	27.63	95.3	25.09
	5	246.4	156.1	35.39	147.9	33.68	140.8	32.60	137.8	30.72	131.6	29.63	125.5	26.91
		308.0	156.4	35.57	148.2	33.85	140.8	32.77	137.8	30.87	131.6	29.79	125.5	27.06
		616.0	157.7	36.27	149.3	34.55	141.0	33.47	137.8	31.44	131.6	30.42	125.5	27.63
		770.0	157.7	36.52	149.1	34.81	141.0	33.73	137.8	31.70	131.6	30.62	125.5	27.82
		924.0	157.7	36.65	149.0	34.94	141.0	33.86	137.8	31.82	131.6	30.71	125.5	27.92
	10	246.4	156.8	32.59	148.4	30.81	141.0	29.66	137.8	28.01	131.6	26.87	125.5	24.58
		308.0	157.0	32.52	148.5	30.74	141.0	29.60	137.8	28.01	131.6	26.87	125.5	24.58
		616.0	157.7	32.27	149.1	30.49	141.0	29.34	137.8	28.01	131.6	26.87	125.5	24.58
		770.0	157.7	32.39	149.1	30.62	141.0	29.47	137.8	28.14	131.6	26.68	125.5	24.64
		924.0	157.7	32.46	149.1	30.68	141.0	29.54	137.8	28.20	131.6	26.58	125.5	24.68
	15	246.4	157.7	29.78	149.1	27.93	141.0	26.74	137.8	25.30	131.6	24.11	125.5	22.26
		308.0	157.7	29.47	149.1	27.63	141.0	26.42	137.8	25.15	131.6	23.95	125.5	22.10
		616.0	157.7	28.27	149.1	26.42	141.0	25.15	137.8	24.58	131.6	23.31	125.5	21.47
		770.0	157.7	28.27	149.1	26.42	141.0	25.15	137.8	24.58	131.6	22.74	125.5	21.47
		924.0	157.7	28.27	149.1	26.42	141.0	25.15	137.8	24.58	131.6	22.45	125.5	21.47
	20	246.4	157.7	24.74	149.1	23.46	141.0	22.90	137.8	22.26	131.6	21.06	125.5	19.77
		308.0	157.7	24.58	149.1	23.31	141.0	22.74	137.8	22.10	131.6	20.90	125.5	19.63
		616.0	157.7	23.95	149.1	22.74	141.0	22.10	137.8	21.47	131.6	20.26	125.5	19.06
		770.0	157.7	23.95	149.1	22.74	141.0	22.10	137.8	20.90	131.6	20.26	125.5	18.42
		924.0	157.7	23.95	149.1	22.74	141.0	22.10	137.8	20.61	131.6	20.26	125.5	18.10
	25	246.4	157.7	22.26	149.1	21.06	141.0	19.77	137.8	19.22	131.6	17.78	125.5	16.58
		308.0	157.7	22.10	149.1	20.90	141.0	19.63	137.8	19.06	131.6	17.78	125.5	16.58
		616.0	157.7	21.47	149.1	20.26	141.0	19.06	137.8	18.42	131.6	17.78	125.5	16.58
		770.0	157.7	20.90	149.1	19.63	141.0	19.06	137.8	18.42	131.6	17.21	125.5	16.58
		924.0	157.7	20.61	149.1	19.31	141.0	19.06	137.8	18.42	131.6	16.93	125.5	16.58
	30	246.4	157.7	19.77	149.1	18.58	141.0	17.37	137.8	16.58	131.6	16.09	125.5	14.74
		308.0	157.7	19.63	149.1	18.42	141.0	17.21	137.8	16.58	131.6	15.94	125.5	14.74
		616.0	157.7	19.06	149.1	17.78	141.0	16.58	137.8	16.58	131.6	15.37	125.5	14.74
		770.0	157.7	19.06	149.1	17.78	141.0	16.58	137.8	15.94	131.6	15.37	125.5	14.74
		924.0	157.7	19.06	149.1	17.78	141.0	16.58	137.8	15.62	131.6	15.37	125.5	14.74
	35	246.4	157.7	17.93	149.1	16.74	141.0	15.37	137.8	15.53	131.6	14.10	125.5	13.69
		308.0	157.7	17.78	149.1	16.58	141.0	15.37	137.8	15.37	131.6	14.10	125.5	13.53
		616.0	157.7	17.21	149.1	15.94	141.0	15.37	137.8	14.74	131.6	14.10	125.5	12.89
		770.0	157.7	17.21	149.1	15.94	141.0	14.74	137.8	14.74	131.6	14.10	125.5	12.89
		924.0	157.7	17.21	149.1	15.94	141.0	14.42	137.8	14.74	131.6	14.10	125.5	12.89
	40	246.4	157.7	16.74	149.1	15.53	141.0	14.25	137.8	13.53	131.6	12.89	125.5	12.40
		308.0	157.7	16.58	149.1	15.37	141.0	14.10	137.8	13.53	131.6	12.89	125.5	12.26
		616.0	157.7	15.94	149.1	14.74	141.0	13.53	137.8	13.53	131.6	12.89	125.5	11.69
		770.0	157.7	15.94	149.1	14.74	141.0	13.53	137.8	12.89	131.6	12.26	125.5	11.69
		924.0	157.7	15.94	149.1	14.74	141.0	13.53	137.8	12.57	131.6	11.94	125.5	11.69
	45	246.4	157.7	15.53	149.1	14.25	141.0	13.20	137.8	11.54	131.6	11.69	125.5	11.21
		308.0	157.7	15.37	149.1	14.10	141.0	12.89	137.8	11.69	131.6	11.69	125.5	11.05
		616.0	157.7	14.74	149.1	13.53	141.0	11.69	137.8	12.26	131.6	11.69	125.5	10.42
		770.0	157.7	14.74	149.1	13.53	141.0	12.26	137.8	11.05	131.6	10.42	125.5	10.42
		924.0	157.7	14.74	149.1	13.53	141.0	12.55	137.8	10.44	131.6	9.78	125.5	10.42
60	-5	246.4	54.2	18.02	50.8	17.34	48.0	16.65	47.5	15.48	47.3	15.22	46.4	13.61
		308.0	56.1	18.42	52.5	17.72	49.7	17.02	49.1	15.82	48.9	15.56	48.0	13.91
		616.0	63.6	20.01	59.4	19.25	56.3	18.48	55.7	17.15	55.5	16.90	54.4	15.12
		770.0	70.1	21.53	65.6	20.77	62.3	19.94	61.5	18.55	61.3	18.23	60.0	16.26
		924.0	73.4	22.30	68.8	21.54	65.3	20.68	64.4	19.25	64.3	18.90	62.8	16.84

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	246.4	96.9	26.41	89.3	25.47	83.3	24.37	81.7	22.67	80.5	22.36	77.6	19.96
		308.0	97.5	26.49	89.8	25.53	83.8	24.45	82.1	22.74	81.0	22.42	78.0	20.01
		616.0	99.8	26.80	91.9	25.79	85.9	24.77	84.0	22.99	82.9	22.68	79.7	20.20
		770.0	101.3	26.80	93.4	25.79	87.2	24.77	85.3	22.99	84.2	22.68	81.0	20.20
		924.0	102.0	26.80	94.1	25.79	87.9	24.77	86.0	22.99	84.9	22.68	81.7	20.20
	5	246.4	134.0	28.76	126.3	27.68	121.1	26.53	118.1	24.71	113.1	24.33	107.6	21.67
		308.0	134.3	28.90	126.6	27.82	121.1	26.68	118.1	24.84	113.1	24.45	107.6	21.79
		616.0	135.4	29.47	127.5	28.39	121.1	27.25	118.1	25.34	113.1	24.96	107.6	22.23
		770.0	135.4	29.73	127.3	28.58	121.1	27.44	118.1	25.53	113.1	25.09	107.6	22.42
		924.0	135.4	29.85	127.2	28.68	121.1	27.54	118.1	25.63	113.1	25.15	107.6	22.52
	10	246.4	134.7	26.42	126.8	25.28	121.1	24.07	118.1	22.48	113.1	22.06	107.6	19.77
		308.0	134.8	26.42	127.0	25.28	121.1	24.07	118.1	22.55	113.1	22.04	107.6	19.82
		616.0	135.4	26.42	127.5	25.28	121.1	24.07	118.1	22.80	113.1	21.98	107.6	20.01
		770.0	135.4	26.49	127.3	25.03	121.1	23.82	118.1	22.55	113.1	21.79	107.6	19.82
		924.0	135.4	26.52	127.2	24.90	121.1	23.69	118.1	22.42	113.1	21.69	107.6	19.72
	15	246.4	135.4	24.11	127.3	22.90	121.1	21.61	118.1	20.26	113.1	19.77	107.6	17.78
		308.0	135.4	23.95	127.3	22.74	121.1	21.47	118.1	20.26	113.1	19.63	107.6	17.78
		616.0	135.4	23.31	127.3	22.10	121.1	20.90	118.1	20.26	113.1	19.06	107.6	17.78
		770.0	135.4	23.31	127.3	21.47	121.1	20.26	118.1	19.63	113.1	18.42	107.6	17.21
		924.0	135.4	23.31	127.3	21.15	121.1	19.94	118.1	19.31	113.1	18.10	107.6	16.93
	20	246.4	135.4	21.06	127.3	19.77	121.1	18.58	118.1	17.93	113.1	17.37	107.6	16.09
		308.0	135.4	20.90	127.3	19.63	121.1	18.42	118.1	17.78	113.1	17.21	107.6	15.94
		616.0	135.4	20.26	127.3	19.06	121.1	17.78	118.1	17.21	113.1	16.58	107.6	15.37
		770.0	135.4	20.26	127.3	19.06	121.1	17.78	118.1	17.21	113.1	16.58	107.6	15.37
		924.0	135.4	20.26	127.3	19.06	121.1	17.78	118.1	17.21	113.1	16.58	107.6	15.37
	25	246.4	135.4	18.58	127.3	17.37	121.1	15.94	118.1	16.09	113.1	14.74	107.6	14.25
		308.0	135.4	18.42	127.3	17.21	121.1	15.94	118.1	15.94	113.1	14.74	107.6	14.10
		616.0	135.4	17.78	127.3	16.58	121.1	15.94	118.1	15.37	113.1	14.74	107.6	13.53
		770.0	135.4	17.78	127.3	16.58	121.1	15.37	118.1	15.37	113.1	14.74	107.6	13.53
		924.0	135.4	17.78	127.3	16.58	121.1	15.08	118.1	15.37	113.1	14.74	107.6	13.53
	30	246.4	135.4	16.74	127.3	15.53	121.1	14.90	118.1	14.25	113.1	13.69	107.6	13.05
		308.0	135.4	16.58	127.3	15.37	121.1	14.74	118.1	14.10	113.1	13.53	107.6	12.89
		616.0	135.4	15.94	127.3	14.74	121.1	14.10	118.1	13.53	113.1	12.89	107.6	12.26
		770.0	135.4	15.94	127.3	14.74	121.1	14.10	118.1	13.53	113.1	12.89	107.6	12.26
		924.0	135.4	15.94	127.3	14.74	121.1	14.10	118.1	13.53	113.1	12.89	107.6	12.26
	35	246.4	135.4	14.74	127.3	14.25	121.1	12.89	118.1	13.05	113.1	12.40	107.6	11.85
		308.0	135.4	14.74	127.3	14.10	121.1	12.89	118.1	12.89	113.1	12.26	107.6	11.69
		616.0	135.4	14.74	127.3	13.53	121.1	12.89	118.1	12.26	113.1	11.69	107.6	11.05
		770.0	135.4	14.74	127.3	13.53	121.1	12.26	118.1	12.26	113.1	11.69	107.6	11.05
		924.0	135.4	14.74	127.3	13.53	121.1	11.94	118.1	12.26	113.1	11.69	107.6	11.05
	40	246.4	135.4	13.53	127.3	13.05	121.1	11.69	118.1	11.85	113.1	11.21	107.6	10.42
		308.0	135.4	13.53	127.3	12.89	121.1	11.69	118.1	11.69	113.1	11.05	107.6	10.42
		616.0	135.4	13.53	127.3	12.26	121.1	11.69	118.1	11.05	113.1	10.42	107.6	10.42
		770.0	135.4	13.53	127.3	12.26	121.1	11.69	118.1	11.05	113.1	10.42	107.6	10.42
		924.0	135.4	13.53	127.3	12.26	121.1	11.69	118.1	11.05	113.1	10.42	107.6	10.42
	45	246.4	135.4	12.26	127.3	11.85	121.1	10.42	118.1	10.56	113.1	10.01	107.6	9.05
		308.0	135.4	12.26	127.3	11.69	121.1	10.42	118.1	10.42	113.1	9.85	107.6	9.21
		616.0	135.4	12.26	127.3	11.05	121.1	10.42	118.1	9.85	113.1	9.21	107.6	9.85
		770.0	135.4	12.26	127.3	11.05	121.1	11.05	118.1	9.85	113.1	9.21	107.6	9.85
		924.0	135.4	12.26	127.3	11.05	121.1	11.37	118.1	9.85	113.1	9.21	107.6	9.85
50	-5	246.4	45.2	14.37	42.5	13.61	40.1	12.88	39.5	12.18	39.3	11.43	38.6	10.83
		308.0	46.7	14.67	43.9	13.91	41.4	13.15	40.9	12.45	40.7	11.69	39.9	11.05
		616.0	52.7	15.88	49.5	15.12	46.9	14.23	46.3	13.53	46.1	12.70	45.2	11.94
		770.0	58.3	17.15	54.8	16.26	51.8	15.37	51.2	14.61	50.8	13.66	50.1	12.89
		924.0	61.2	17.79	57.4	16.84	54.2	15.95	53.7	15.15	53.2	14.14	52.5	13.37
	0	246.4	80.5	21.04	74.6	19.96	69.3	18.80	67.8	17.85	66.9	16.78	64.5	15.83
		308.0	81.0	21.09	75.0	20.01	69.8	18.86	68.3	17.91	67.3	16.83	64.9	15.88
		616.0	82.9	21.28	76.7	20.20	71.5	19.12	70.0	18.17	69.0	17.02	66.4	16.07
		770.0	84.2	21.28	77.8	20.20	72.4	19.12	71.1	18.17	70.0	17.02	67.5	16.07
		924.0	84.9	21.28	78.4	20.20	72.9	19.12	71.6	18.17	70.4	17.02	68.1	16.07
	5	246.4	111.3	22.88	105.6	21.67	100.7	20.47	98.3	19.47	94.0	18.28	89.6	17.18
		308.0	111.6	22.99	105.8	21.79	100.7	20.58	98.3	19.56	94.0	18.36	89.6	17.28
		616.0	112.5	23.44	106.5	22.23	100.9	21.02	98.3	19.94	94.0	18.67	89.6	17.66
		770.0	112.5	23.63	106.3	22.42	100.9	21.15	98.3	20.07	94.0	18.86	89.6	17.78
		924.0	112.5	23.72	106.2	22.52	100.9	21.22	98.3	20.14	94.0	18.96	89.6	17.85

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(64HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	246.4	112.1	21.06	105.8	19.83	100.7	18.64	98.3	17.82	94.0	16.47	89.6	15.72
		308.0	112.1	21.02	106.0	19.82	100.7	18.61	98.3	17.78	94.0	16.51	89.6	15.69
		616.0	112.5	20.90	106.5	19.75	100.9	18.48	98.3	17.66	94.0	16.71	89.6	15.56
		770.0	112.5	21.02	106.3	19.82	100.9	18.55	98.3	17.72	94.0	16.45	89.6	15.63
		924.0	112.5	21.09	106.2	19.85	100.9	18.58	98.3	17.75	94.0	16.32	89.6	15.66
	15	246.4	112.5	19.22	106.3	17.93	100.9	16.74	98.3	16.09	94.0	14.74	89.6	14.25
		308.0	112.5	19.06	106.3	17.78	100.9	16.58	98.3	15.94	94.0	14.74	89.6	14.10
		616.0	112.5	18.42	106.3	17.21	100.9	15.94	98.3	15.37	94.0	14.74	89.6	13.53
		770.0	112.5	18.42	106.3	17.21	100.9	15.94	98.3	15.37	94.0	14.10	89.6	13.53
		924.0	112.5	18.42	106.3	17.21	100.9	15.94	98.3	15.37	94.0	13.78	89.6	13.53
	20	246.4	112.5	16.74	106.3	15.53	100.9	14.90	98.3	14.25	94.0	13.69	89.6	12.26
		308.0	112.5	16.58	106.3	15.37	100.9	14.74	98.3	14.10	94.0	13.53	89.6	12.26
		616.0	112.5	15.94	106.3	14.74	100.9	14.10	98.3	13.53	94.0	12.89	89.6	12.26
		770.0	112.5	15.94	106.3	14.74	100.9	14.10	98.3	13.53	94.0	12.89	89.6	12.26
		924.0	112.5	15.94	106.3	14.74	100.9	14.10	98.3	13.53	94.0	12.89	89.6	12.26
	25	246.4	112.5	14.90	106.3	13.53	100.9	13.05	98.3	12.26	94.0	11.69	89.6	11.05
		308.0	112.5	14.74	106.3	13.53	100.9	12.89	98.3	12.26	94.0	11.69	89.6	11.05
		616.0	112.5	14.10	106.3	13.53	100.9	12.26	98.3	12.26	94.0	11.69	89.6	11.05
		770.0	112.5	14.10	106.3	13.53	100.9	12.26	98.3	12.26	94.0	11.69	89.6	11.05
		924.0	112.5	14.10	106.3	13.53	100.9	12.26	98.3	12.26	94.0	11.69	89.6	11.05
	30	246.4	112.5	13.69	106.3	12.40	100.9	11.85	98.3	11.05	94.0	11.21	89.6	10.56
		308.0	112.5	13.53	106.3	12.26	100.9	11.69	98.3	11.05	94.0	11.05	89.6	10.42
		616.0	112.5	12.89	106.3	11.69	100.9	11.05	98.3	11.05	94.0	10.42	89.6	9.85
		770.0	112.5	12.89	106.3	11.69	100.9	11.05	98.3	11.05	94.0	10.42	89.6	9.85
		924.0	112.5	12.89	106.3	11.69	100.9	11.05	98.3	11.05	94.0	10.42	89.6	9.85
	35	246.4	112.5	12.40	106.3	11.05	100.9	10.42	98.3	10.56	94.0	9.85	89.6	9.21
		308.0	112.5	12.26	106.3	11.05	100.9	10.42	98.3	10.42	94.0	9.85	89.6	9.21
		616.0	112.5	11.69	106.3	11.05	100.9	10.42	98.3	9.85	94.0	9.85	89.6	9.21
		770.0	112.5	11.69	106.3	11.05	100.9	10.42	98.3	9.85	94.0	9.85	89.6	9.21
		924.0	112.5	11.69	106.3	11.05	100.9	10.42	98.3	9.85	94.0	9.85	89.6	9.21
	40	246.4	112.5	11.21	106.3	10.56	100.9	10.01	98.3	9.21	94.0	9.37	89.6	8.57
		308.0	112.5	11.05	106.3	10.42	100.9	9.85	98.3	9.21	94.0	9.21	89.6	8.57
		616.0	112.5	10.42	106.3	9.85	100.9	9.21	98.3	9.21	94.0	8.57	89.6	8.57
		770.0	112.5	10.42	106.3	9.85	100.9	9.21	98.3	9.21	94.0	8.57	89.6	8.57
		924.0	112.5	10.42	106.3	9.85	100.9	9.21	98.3	9.21	94.0	8.57	89.6	8.57
	45	246.4	112.5	10.01	106.3	10.17	100.9	9.51	98.3	7.86	94.0	8.88	89.6	8.00
		308.0	112.5	9.85	106.3	9.85	100.9	9.21	98.3	8.00	94.0	8.57	89.6	8.00
		616.0	112.5	9.21	106.3	8.57	100.9	8.00	98.3	8.57	94.0	7.37	89.6	8.00
		770.0	112.5	9.21	106.3	8.57	100.9	8.00	98.3	8.57	94.0	7.37	89.6	8.00
		924.0	112.5	9.21	106.3	8.57	100.9	8.00	98.3	8.57	94.0	7.37	89.6	8.00

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▒ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(66HP)

ARWN660LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	254.0	98.4	40.07	97.6	37.72	97.1	35.12	95.7	34.08	96.9	33.19	94.2	29.76
		317.5	101.7	40.77	101.0	38.46	100.4	35.89	99.0	34.83	100.2	33.91	97.5	30.41
		635.0	115.1	43.54	114.1	41.36	113.5	38.92	112.0	37.80	113.3	36.74	110.4	32.98
		793.8	127.3	46.31	126.1	44.20	125.3	41.95	123.8	40.83	125.3	39.65	122.0	35.56
		952.5	133.4	47.70	132.1	45.63	131.3	43.48	129.7	42.36	131.4	41.11	127.9	36.85
	0	254.0	175.7	54.80	171.7	53.17	168.1	51.44	164.4	49.98	165.0	48.62	157.4	43.54
		317.5	176.8	54.95	172.7	53.30	169.0	51.59	165.4	50.13	165.9	48.75	158.4	43.67
		635.0	181.0	55.54	176.6	53.83	172.9	52.18	169.2	50.73	169.8	49.28	162.3	44.20
		793.8	183.7	55.54	179.3	53.83	175.6	52.18	171.7	50.73	172.3	49.28	164.6	44.20
		952.5	185.1	55.54	180.6	53.83	177.0	52.18	173.0	50.73	173.6	49.28	165.7	44.20
	5	254.0	253.0	58.90	249.2	57.45	244.0	55.99	237.9	54.40	231.5	52.90	218.7	47.38
		317.5	253.9	59.17	249.7	57.72	244.1	56.27	237.9	54.69	231.5	53.17	218.7	47.63
		635.0	257.4	60.23	251.4	58.78	244.3	57.39	237.9	55.81	231.5	54.22	218.7	48.62
		793.8	259.0	60.62	252.2	59.17	244.3	57.79	237.9	56.20	231.5	54.62	218.7	48.95
		952.5	259.7	60.82	252.6	59.37	244.3	57.99	237.9	56.40	231.5	54.82	218.7	49.11
	10	254.0	253.4	53.60	249.3	51.80	243.3	50.83	236.9	49.69	230.6	47.99	217.9	43.31
		317.5	254.9	53.50	250.4	51.85	244.3	50.93	237.9	49.67	231.5	47.96	218.7	43.27
		635.0	260.9	53.10	255.1	52.05	248.1	51.32	241.7	49.61	235.0	47.83	222.2	43.14
		793.8	262.2	53.83	256.8	52.77	249.7	51.52	242.9	49.80	236.5	48.62	223.6	45.19
		952.5	262.9	54.19	257.7	53.14	250.5	51.62	243.5	49.90	237.3	49.02	224.2	46.22
	15	254.0	253.8	48.31	249.3	46.24	242.3	45.75	235.9	44.99	229.7	43.08	217.0	39.25
		317.5	255.9	47.83	251.2	46.04	244.3	45.65	237.9	44.66	231.5	42.75	218.7	38.92
		635.0	264.2	45.91	258.8	45.25	252.0	45.25	245.6	43.34	238.5	41.43	225.7	37.60
		793.8	265.5	47.03	261.3	46.31	255.1	45.25	248.1	43.34	241.7	42.61	228.4	41.43
		952.5	266.2	47.60	262.5	46.84	256.6	45.25	249.4	43.34	243.4	43.21	229.8	43.35
	20	254.0	263.4	44.32	258.6	42.25	251.8	41.33	244.8	40.01	237.7	39.11	223.6	37.92
		317.5	265.5	44.00	260.7	42.22	253.7	41.29	246.8	40.17	239.8	39.38	225.7	37.60
		635.0	273.8	42.75	269.0	42.09	261.5	41.16	254.5	40.83	248.1	40.44	234.0	36.35
		793.8	275.0	42.75	270.9	42.09	264.6	41.43	257.0	40.83	250.1	40.44	235.9	38.66
		952.5	275.6	42.75	271.9	42.09	266.1	41.56	258.3	40.83	251.0	40.44	236.9	39.82
	25	254.0	278.1	42.25	270.9	41.03	264.6	40.34	259.5	39.66	253.7	39.09	239.2	36.51
		317.5	278.1	42.09	270.9	40.96	264.6	40.17	259.5	39.51	253.7	38.92	239.2	36.35
		635.0	278.1	41.43	270.9	40.70	264.6	39.51	259.5	38.92	253.7	38.26	239.2	35.69
		793.8	278.1	40.83	270.9	39.65	264.6	38.92	259.5	38.26	253.7	37.60	239.2	35.09
		952.5	278.1	40.53	270.9	39.11	264.6	38.62	259.5	37.93	253.7	37.27	239.2	34.79
	30	254.0	278.1	41.17	270.9	39.12	264.6	38.76	259.5	37.75	253.7	37.34	239.2	34.75
		317.5	278.1	40.83	270.9	39.05	264.6	38.52	259.5	37.60	253.7	37.01	239.2	34.43
		635.0	278.1	39.51	270.9	38.79	264.6	37.60	259.5	37.01	253.7	35.69	239.2	33.18
		793.8	278.1	38.92	270.9	37.73	264.6	37.01	259.5	36.35	253.7	35.69	239.2	33.18
		952.5	278.1	38.62	270.9	37.20	264.6	36.71	259.5	36.01	253.7	35.69	239.2	33.18
	35	254.0	278.1	39.25	270.9	37.95	264.6	37.17	259.5	35.84	253.7	34.60	239.2	32.18
		317.5	278.1	38.92	270.9	37.73	264.6	37.01	259.5	35.69	253.7	34.43	239.2	31.86
		635.0	278.1	37.60	270.9	36.87	264.6	36.35	259.5	35.09	253.7	33.77	239.2	30.61
		793.8	278.1	37.60	270.9	36.48	264.6	35.69	259.5	34.43	253.7	33.18	239.2	30.61
		952.5	278.1	37.60	270.9	36.28	264.6	35.35	259.5	34.10	253.7	32.88	239.2	30.61
	40	254.0	278.1	37.92	270.9	36.71	264.6	36.00	259.5	34.75	253.7	33.51	239.2	30.26
		317.5	278.1	37.60	270.9	36.48	264.6	35.69	259.5	34.43	253.7	33.18	239.2	29.95
		635.0	278.1	36.35	270.9	35.56	264.6	34.43	259.5	33.18	253.7	31.86	239.2	28.70
		793.8	278.1	35.69	270.9	34.96	264.6	34.43	259.5	33.18	253.7	31.86	239.2	28.70
		952.5	278.1	35.35	270.9	34.66	264.6	34.43	259.5	33.18	253.7	31.86	239.2	28.70
	45	254.0	278.1	36.66	270.9	35.46	264.6	34.92	259.5	33.66	253.7	32.34	239.2	28.35
		317.5	278.1	36.35	270.9	35.23	264.6	34.43	259.5	33.18	253.7	31.86	239.2	28.04
		635.0	278.1	35.09	270.9	34.30	264.6	32.52	259.5	31.27	253.7	29.95	239.2	26.78
		793.8	278.1	33.77	270.9	33.44	264.6	33.18	259.5	31.86	253.7	30.61	239.2	26.78
		952.5	278.1	33.11	270.9	33.01	264.6	33.51	259.5	32.16	253.7	30.94	239.2	26.78
120	-5	254.0	93.5	40.07	92.7	37.72	92.2	35.12	91.1	33.63	91.8	32.66	89.4	29.23
		317.5	96.7	40.77	95.9	38.46	95.3	35.89	94.2	34.37	95.0	33.38	92.4	29.88
		635.0	109.5	43.54	108.5	41.36	107.9	38.92	106.6	37.27	107.5	36.22	104.6	32.46
		793.8	120.9	46.31	119.9	44.20	119.1	41.95	117.8	40.24	118.7	39.05	115.5	34.96
		952.5	126.6	47.70	125.7	45.63	124.8	43.48	123.4	41.73	124.4	40.48	120.9	36.22
	0	254.0	167.1	54.80	163.0	53.17	159.5	51.44	156.3	49.26	156.3	47.89	149.1	42.81
		317.5	168.1	54.95	164.0	53.30	160.5	51.59	157.2	49.41	157.2	48.02	150.1	42.94
		635.0	171.9	55.54	167.9	53.83	164.4	52.18	160.9	50.00	160.9	48.55	153.7	43.47
		793.8	174.6	55.54	170.6	53.83	166.9	52.18	163.4	50.00	163.2	48.55	156.1	43.47
		952.5	176.0	55.54	171.9	53.83	168.2	52.18	164.7	50.00	164.4	48.55	157.2	43.47

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	254.0	240.9	58.90	237.2	57.45	232.1	55.99	226.5	53.61	219.3	52.11	207.3	46.67
		317.5	241.7	59.17	237.7	57.72	232.1	56.27	226.5	53.89	219.3	52.38	207.3	46.90
		635.0	245.2	60.23	239.4	58.78	232.1	57.39	226.5	55.02	219.3	53.43	207.3	47.83
		793.8	246.6	60.62	238.1	59.17	232.1	57.79	226.5	55.41	219.3	53.83	207.3	48.15
		952.5	247.3	60.82	237.4	59.37	232.1	57.99	226.5	55.61	219.3	54.03	207.3	48.32
	10	254.0	241.8	52.92	237.3	51.45	231.4	50.41	225.8	48.88	218.7	47.26	206.8	42.50
		317.5	242.9	53.10	238.3	51.65	232.1	50.60	226.5	48.95	219.3	47.23	207.3	42.55
		635.0	247.4	53.83	242.1	52.44	234.6	51.32	229.0	49.21	221.6	47.10	209.4	42.75
		793.8	248.7	53.63	241.4	52.44	235.6	51.52	229.9	49.41	222.6	47.30	210.4	44.20
		952.5	249.4	53.53	241.0	52.44	236.0	51.62	230.4	49.51	223.1	47.40	210.9	44.93
	15	254.0	242.5	46.93	237.6	45.55	230.8	44.84	225.2	44.17	218.2	42.40	206.2	38.43
		317.5	243.9	47.03	239.0	45.65	232.1	44.92	226.5	44.00	219.3	42.09	207.3	38.26
		635.0	249.5	47.43	244.8	46.04	237.3	45.25	231.5	43.34	223.8	40.83	211.8	37.60
		793.8	250.8	46.70	244.6	45.65	239.2	45.25	233.4	43.34	225.7	40.83	213.7	40.17
		952.5	251.5	46.34	244.5	45.45	240.2	45.25	234.4	43.34	226.7	40.83	214.7	41.47
	20	254.0	249.2	42.22	244.5	40.42	237.1	39.35	230.6	38.77	223.1	38.29	211.1	36.35
		317.5	250.8	42.22	246.0	40.57	238.5	39.51	232.1	38.92	224.5	38.26	212.3	36.22
		635.0	257.2	42.22	251.8	41.16	243.7	40.17	237.9	39.51	230.1	38.13	217.4	35.69
		793.8	258.4	41.82	251.6	40.83	245.6	40.17	239.2	39.51	231.5	38.26	218.7	37.01
		952.5	259.0	41.62	251.5	40.67	246.6	40.17	239.9	39.51	232.2	38.33	219.4	37.67
	25	254.0	261.3	39.93	253.7	38.06	245.6	37.34	240.4	36.51	234.0	35.84	221.2	33.35
		317.5	261.5	39.78	253.7	38.00	245.6	37.27	240.4	36.35	234.0	35.69	221.2	33.18
		635.0	262.1	39.18	253.7	37.73	245.6	37.01	240.4	35.69	234.0	35.09	221.2	32.52
		793.8	262.8	37.73	253.7	36.74	245.6	36.35	240.4	35.69	234.0	34.43	221.2	32.52
		952.5	263.2	37.00	253.7	36.24	245.6	36.01	240.4	35.69	234.0	34.10	221.2	32.52
	30	254.0	262.8	38.18	253.7	36.30	245.6	35.26	240.4	33.92	234.0	33.51	221.2	30.77
		317.5	262.8	37.86	253.7	36.08	245.6	35.09	240.4	33.77	234.0	33.18	221.2	30.61
		635.0	262.8	36.61	253.7	35.23	245.6	34.43	240.4	33.18	234.0	31.86	221.2	29.95
		793.8	262.8	35.42	253.7	34.43	245.6	33.77	240.4	33.18	234.0	31.86	221.2	29.35
		952.5	262.8	34.83	253.7	34.04	245.6	33.44	240.4	33.18	234.0	31.86	221.2	29.06
	35	254.0	262.8	36.47	253.7	34.49	245.6	33.51	240.4	32.18	234.0	30.92	221.2	28.19
		317.5	262.8	35.95	253.7	34.17	245.6	33.18	240.4	31.86	234.0	30.61	221.2	28.04
		635.0	262.8	33.91	253.7	32.92	245.6	31.86	240.4	30.61	234.0	29.35	221.2	27.44
		793.8	262.8	33.51	253.7	32.65	245.6	31.86	240.4	30.61	234.0	29.35	221.2	26.78
		952.5	262.8	33.31	253.7	32.52	245.6	31.86	240.4	30.61	234.0	29.35	221.2	26.45
	40	254.0	262.8	35.38	253.7	32.90	245.6	31.60	240.4	30.26	234.0	29.01	221.2	26.27
		317.5	262.8	34.70	253.7	32.52	245.6	31.27	240.4	29.95	234.0	28.70	221.2	26.12
		635.0	262.8	31.99	253.7	31.00	245.6	29.95	240.4	28.70	234.0	27.44	221.2	25.53
		793.8	262.8	31.60	253.7	30.61	245.6	29.95	240.4	28.70	234.0	27.44	221.2	24.87
		952.5	262.8	31.40	253.7	30.41	245.6	29.95	240.4	28.70	234.0	27.44	221.2	24.54
	45	254.0	262.8	34.29	253.7	31.32	245.6	29.69	240.4	28.35	234.0	27.10	221.2	24.36
		317.5	262.8	33.44	253.7	30.87	245.6	29.35	240.4	28.04	234.0	26.78	221.2	24.21
		635.0	262.8	30.08	253.7	29.09	245.6	28.04	240.4	26.78	234.0	25.53	221.2	23.62
		793.8	262.8	29.68	253.7	28.56	245.6	28.04	240.4	26.78	234.0	25.53	221.2	22.96
		952.5	262.8	29.49	253.7	28.30	245.6	28.04	240.4	26.78	234.0	25.53	221.2	22.62
110	-5	254.0	88.4	40.59	87.9	37.72	87.3	35.12	86.4	33.63	86.6	32.66	84.7	29.23
		317.5	91.5	41.29	90.9	38.46	90.3	35.89	89.3	34.37	89.5	33.38	87.6	29.88
		635.0	103.5	44.06	102.9	41.36	102.3	38.92	101.1	37.27	101.1	36.22	99.2	32.46
		793.8	114.3	46.90	113.5	44.20	112.9	41.95	111.8	40.24	111.8	39.05	109.5	34.96
		952.5	119.8	48.33	118.9	45.63	118.3	43.48	117.1	41.73	117.1	40.48	114.6	36.22
	0	254.0	158.0	55.54	154.6	53.17	151.3	51.44	148.4	49.26	147.1	47.89	141.5	42.81
		317.5	159.0	55.67	155.5	53.30	152.2	51.59	149.3	49.41	147.9	48.02	142.3	42.94
		635.0	162.6	56.20	159.2	53.83	155.7	52.18	152.8	50.00	151.4	48.55	145.6	43.47
		793.8	165.2	56.20	161.7	53.83	158.2	52.18	155.1	50.00	153.7	48.55	147.8	43.47
		952.5	166.4	56.20	162.9	53.83	159.5	52.18	156.3	50.00	154.9	48.55	148.8	43.47
	5	254.0	230.5	59.70	225.1	57.45	219.8	55.99	214.9	53.61	206.5	52.11	196.5	46.67
		317.5	231.3	59.96	225.5	57.72	219.9	56.27	214.9	53.89	206.5	52.38	196.5	46.90
		635.0	234.4	61.02	227.2	58.78	220.1	57.39	214.9	55.02	206.5	53.43	196.5	47.83
		793.8	235.7	61.41	227.8	59.17	220.1	57.79	214.9	55.41	206.5	53.83	196.5	48.15
		952.5	236.4	61.61	228.1	59.37	220.1	57.99	214.9	55.61	206.5	54.03	196.5	48.32
	10	254.0	231.4	53.53	225.7	51.70	219.5	50.58	214.5	48.88	206.2	47.26	196.2	42.50
		317.5	232.3	53.63	226.3	51.85	219.9	50.73	214.9	48.95	206.5	47.23	196.5	42.55
		635.0	235.7	54.03	228.6	52.44	221.2	51.32	216.2	49.21	207.9	47.10	197.5	42.75
		793.8	237.1	54.03	229.6	52.44	222.0	51.19	216.6	49.08	208.3	47.30	198.0	43.21
		952.5	237.8	54.03	230.0	52.44	222.4	51.12	216.8	49.01	208.5	47.40	198.3	43.44

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	254.0	232.1	47.36	226.0	46.04	219.4	45.25	214.2	44.17	205.9	42.40	196.0	38.43
		317.5	233.0	47.30	226.9	46.04	220.1	45.25	214.9	44.00	206.5	42.09	196.5	38.26
		635.0	236.9	47.03	230.1	46.04	222.6	45.25	217.4	43.34	209.3	40.83	198.4	37.60
		793.8	238.3	46.70	231.3	45.65	223.8	44.66	218.1	42.75	209.8	40.83	199.6	38.26
		952.5	238.9	46.54	231.9	45.45	224.3	44.36	218.5	42.45	210.1	40.83	200.2	38.59
	20	254.0	236.4	40.88	229.9	39.91	222.5	38.92	216.5	38.26	208.6	37.17	197.6	34.76
		317.5	237.7	40.96	230.7	39.91	223.2	38.92	217.4	38.26	209.3	37.01	198.4	34.70
		635.0	242.7	41.29	233.8	39.91	225.7	38.92	220.7	38.26	211.8	36.35	201.5	34.43
		793.8	244.1	41.29	235.7	39.91	227.0	38.92	221.2	37.60	212.9	36.35	202.1	34.43
		952.5	244.7	41.29	236.7	39.91	227.7	38.92	221.5	37.27	213.5	36.35	202.4	34.43
	25	254.0	243.8	37.21	236.5	35.84	227.0	35.26	222.0	33.92	214.3	32.69	202.9	29.95
		317.5	244.3	37.14	236.5	35.69	227.0	35.09	222.0	33.77	214.3	32.52	202.9	29.95
		635.0	246.2	36.87	236.5	35.09	227.0	34.43	222.0	33.18	214.3	31.86	202.9	29.95
		793.8	247.4	36.87	236.5	35.23	227.0	33.77	222.0	33.18	214.3	31.27	202.9	29.35
		952.5	247.9	36.87	236.5	35.29	227.0	33.44	222.0	33.18	214.3	30.97	202.9	29.06
	30	254.0	247.4	33.92	236.5	32.69	227.0	31.43	222.0	30.77	214.3	28.86	202.9	26.95
		317.5	247.4	33.77	236.5	32.52	227.0	31.27	222.0	30.61	214.3	28.70	202.9	26.78
		635.0	247.4	33.18	236.5	31.86	227.0	30.61	222.0	29.95	214.3	28.04	202.9	26.12
		793.8	247.4	32.92	236.5	31.27	227.0	29.95	222.0	29.35	214.3	28.04	202.9	26.12
		952.5	247.4	32.78	236.5	30.97	227.0	29.62	222.0	29.06	214.3	28.04	202.9	26.12
	35	254.0	247.4	32.18	236.5	30.10	227.0	28.86	222.0	27.61	214.3	26.27	202.9	24.36
		317.5	247.4	31.86	236.5	29.95	227.0	28.70	222.0	27.44	214.3	26.12	202.9	24.21
		635.0	247.4	30.61	236.5	29.35	227.0	28.04	222.0	26.78	214.3	25.53	202.9	23.62
		793.8	247.4	29.82	236.5	28.70	227.0	27.44	222.0	26.78	214.3	25.53	202.9	23.62
		952.5	247.4	29.42	236.5	28.36	227.0	27.14	222.0	26.78	214.3	25.53	202.9	23.62
	40	254.0	247.4	30.26	236.5	29.01	227.0	27.10	222.0	25.70	214.3	24.36	202.9	22.45
		317.5	247.4	29.95	236.5	28.70	227.0	26.78	222.0	25.53	214.3	24.21	202.9	22.30
		635.0	247.4	28.70	236.5	27.44	227.0	25.53	222.0	24.87	214.3	23.62	202.9	21.70
		793.8	247.4	28.30	236.5	26.78	227.0	25.53	222.0	24.21	214.3	22.96	202.9	21.04
		952.5	247.4	28.10	236.5	26.45	227.0	25.53	222.0	23.88	214.3	22.62	202.9	20.71
	45	254.0	247.4	28.35	236.5	27.92	227.0	25.35	222.0	23.78	214.3	22.45	202.9	20.53
		317.5	247.4	28.04	236.5	27.44	227.0	24.87	222.0	23.62	214.3	22.30	202.9	20.38
		635.0	247.4	26.78	236.5	25.53	227.0	22.96	222.0	22.96	214.3	21.70	202.9	19.79
		793.8	247.4	26.78	236.5	24.87	227.0	23.62	222.0	21.70	214.3	20.38	202.9	18.47
		952.5	247.4	26.78	236.5	24.54	227.0	23.95	222.0	21.07	214.3	19.72	202.9	17.81
100	-5	254.0	83.6	40.59	83.0	38.25	82.6	35.12	81.9	33.63	81.1	32.13	79.6	29.23
		317.5	86.4	41.29	85.9	38.99	85.5	35.89	84.7	34.37	83.9	32.85	82.4	29.88
		635.0	97.9	44.06	97.3	41.89	96.7	38.92	95.7	37.27	95.0	35.69	93.4	32.46
		793.8	108.1	46.90	107.3	44.79	106.8	41.95	105.8	40.24	105.0	38.46	103.1	34.96
		952.5	113.3	48.33	112.4	46.25	111.8	43.48	110.9	41.73	110.1	39.85	108.0	36.22
	0	254.0	149.4	55.54	146.1	53.89	143.1	51.44	140.5	49.26	138.0	47.16	133.2	42.81
		317.5	150.3	55.67	147.0	54.03	143.9	51.59	141.4	49.41	138.9	47.30	134.0	42.94
		635.0	153.7	56.20	150.5	54.55	147.2	52.18	144.7	50.00	142.1	47.83	137.1	43.47
		793.8	156.1	56.20	152.8	54.55	149.5	52.18	146.8	50.00	144.3	47.83	139.2	43.47
		952.5	157.2	56.20	154.0	54.55	150.7	52.18	147.9	50.00	145.3	47.83	140.3	43.47
	5	254.0	220.5	59.70	213.1	58.24	207.7	55.99	203.5	53.61	193.8	51.32	184.9	46.67
		317.5	221.2	59.96	213.5	58.51	207.7	56.27	203.5	53.89	193.8	51.59	184.9	46.90
		635.0	224.3	61.02	215.1	59.57	207.9	57.39	203.5	55.02	193.8	52.64	184.9	47.83
		793.8	225.7	61.41	215.6	59.96	207.9	57.79	203.5	55.41	193.8	52.97	184.9	48.15
		952.5	226.4	61.61	215.9	60.16	207.9	57.99	203.5	55.61	193.8	53.14	184.9	48.32
	10	254.0	221.7	53.38	213.8	52.21	207.9	50.58	203.5	48.88	193.8	46.46	184.9	42.50
		317.5	222.2	53.63	214.1	52.38	207.9	50.73	203.5	48.95	193.8	46.51	184.9	42.55
		635.0	224.3	54.62	215.2	53.04	207.9	51.32	203.5	49.21	193.8	46.70	184.9	42.75
		793.8	225.9	54.42	216.2	53.04	207.9	51.19	203.5	49.08	193.8	46.57	184.9	42.55
		952.5	226.7	54.32	216.7	53.04	207.9	51.12	203.5	49.01	193.8	46.51	184.9	42.45
	15	254.0	222.9	47.06	214.7	46.27	207.9	45.25	203.5	44.17	193.8	41.58	184.9	38.43
		317.5	223.2	47.30	214.9	46.31	207.9	45.25	203.5	44.00	193.8	41.43	184.9	38.26
		635.0	224.3	48.22	215.4	46.44	207.9	45.25	203.5	43.34	193.8	40.83	184.9	37.60
		793.8	226.3	47.43	216.6	46.04	207.9	44.66	203.5	42.75	193.8	40.17	184.9	37.01
		952.5	227.2	47.03	217.2	45.84	207.9	44.36	203.5	42.45	193.8	39.84	184.9	36.71
	20	254.0	224.1	40.25	215.9	39.22	207.9	38.26	203.5	37.75	193.8	35.26	184.9	33.51
		317.5	224.9	40.44	216.0	39.25	207.9	38.26	203.5	37.60	193.8	35.09	184.9	33.18
		635.0	228.2	41.16	216.6	39.38	207.9	38.26	203.5	37.01	193.8	34.43	184.9	31.86
		793.8	229.6	40.44	218.5	39.05	207.9	37.60	203.5	36.35	193.8	33.77	184.9	31.27
		952.5	230.2	40.07	219.5	38.89	207.9	37.27	203.5	36.01	193.8	33.44	184.9	30.97

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	254.0	226.8	35.19	219.3	34.09	207.9	32.69	203.5	31.43	193.8	29.52	184.9	26.78
		317.5	227.6	35.23	219.3	33.91	207.9	32.52	203.5	31.27	193.8	29.35	184.9	26.78
		635.0	230.9	35.36	219.3	33.18	207.9	31.86	203.5	30.61	193.8	28.70	184.9	26.78
		793.8	232.1	34.57	219.3	32.92	207.9	31.27	203.5	29.95	193.8	28.70	184.9	26.12
		952.5	232.7	34.17	219.3	32.78	207.9	30.97	203.5	29.62	193.8	28.70	184.9	25.79
	30	254.0	232.1	32.01	219.3	29.52	207.9	27.51	203.5	26.95	193.8	24.87	184.9	23.78
		317.5	232.1	31.86	219.3	29.35	207.9	27.44	203.5	26.78	193.8	24.87	184.9	23.62
		635.0	232.1	31.27	219.3	28.70	207.9	27.18	203.5	26.12	193.8	24.87	184.9	22.96
		793.8	232.1	30.61	219.3	28.70	207.9	26.78	203.5	26.12	193.8	24.21	184.9	22.96
		952.5	232.1	30.28	219.3	28.70	207.9	26.58	203.5	26.12	193.8	23.88	184.9	22.96
	35	254.0	232.1	29.69	219.3	27.10	207.9	24.28	203.5	23.78	193.8	22.45	184.9	20.53
		317.5	232.1	29.35	219.3	26.78	207.9	24.21	203.5	23.62	193.8	22.30	184.9	20.38
		635.0	232.1	28.04	219.3	25.53	207.9	23.95	203.5	22.96	193.8	21.70	184.9	19.79
		793.8	232.1	28.04	219.3	25.53	207.9	23.62	203.5	22.96	193.8	21.70	184.9	19.79
		952.5	232.1	28.04	219.3	25.53	207.9	23.45	203.5	22.96	193.8	21.70	184.9	19.79
	40	254.0	232.1	27.77	219.3	25.19	207.9	21.77	203.5	21.21	193.8	19.96	184.9	18.62
		317.5	232.1	27.44	219.3	24.87	207.9	21.70	203.5	21.04	193.8	19.79	184.9	18.47
		635.0	232.1	26.12	219.3	23.62	207.9	21.44	203.5	20.38	193.8	19.13	184.9	17.88
		793.8	232.1	25.53	219.3	23.62	207.9	21.04	203.5	20.38	193.8	19.13	184.9	17.88
		952.5	232.1	25.23	219.3	23.62	207.9	20.84	203.5	20.38	193.8	19.13	184.9	17.88
	45	254.0	232.1	25.86	219.3	23.27	207.9	19.20	203.5	18.62	193.8	17.38	184.9	16.71
		317.5	232.1	25.53	219.3	22.96	207.9	19.13	203.5	18.47	193.8	17.22	184.9	16.56
		635.0	232.1	24.21	219.3	21.70	207.9	18.87	203.5	17.88	193.8	16.56	184.9	15.96
		793.8	232.1	22.96	219.3	21.70	207.9	18.47	203.5	17.88	193.8	16.56	184.9	15.96
		952.5	232.1	22.32	219.3	21.70	207.9	18.27	203.5	17.88	193.8	16.56	184.9	15.96
90	-5	254.0	78.9	37.68	76.5	34.31	74.2	30.14	73.7	28.72	73.1	27.68	71.8	24.85
		317.5	81.6	38.33	79.1	34.96	76.8	30.81	76.2	29.35	75.6	28.30	74.3	25.40
		635.0	92.4	40.90	89.5	37.53	86.8	33.44	86.3	31.86	85.7	30.74	83.9	27.57
		793.8	102.1	43.47	98.8	40.17	95.9	36.08	95.2	34.37	94.6	33.11	92.8	29.75
		952.5	107.0	44.77	103.5	41.50	100.5	37.41	99.6	35.63	99.1	34.31	97.3	30.85
	0	254.0	141.1	51.32	134.6	48.15	128.4	44.21	126.5	42.17	124.4	40.58	119.8	36.44
		317.5	142.0	51.45	135.4	48.29	129.2	44.33	127.3	42.28	125.1	40.70	120.5	36.54
		635.0	145.2	51.98	138.5	48.81	132.3	44.79	130.2	42.75	128.0	41.16	123.4	36.94
		793.8	147.4	51.98	140.6	48.81	134.4	44.79	132.1	42.75	130.2	41.16	125.3	36.94
		952.5	148.4	51.98	141.7	48.81	135.5	44.79	133.1	42.75	131.2	41.16	126.3	36.94
	5	254.0	199.4	55.10	193.0	51.99	186.8	48.12	183.0	45.88	174.8	44.16	166.5	39.64
		317.5	199.6	55.35	192.8	52.24	186.8	48.35	183.0	46.11	174.8	44.39	166.5	39.84
		635.0	200.4	56.33	192.2	53.23	186.8	49.28	183.0	47.03	174.8	45.32	166.5	40.63
		793.8	201.5	56.66	192.8	53.56	186.8	49.67	183.0	47.36	174.8	45.65	166.5	40.96
		952.5	202.1	56.83	193.1	53.73	186.8	49.87	183.0	47.53	174.8	45.81	166.5	41.13
	10	254.0	200.5	48.65	193.6	46.26	186.8	43.55	183.0	41.77	174.8	40.07	166.5	36.12
		317.5	200.4	48.68	193.4	46.31	186.8	43.60	183.0	41.82	174.8	40.04	166.5	36.15
		635.0	200.0	48.81	192.4	46.51	186.8	43.80	183.0	42.02	174.8	39.91	166.5	36.28
		793.8	201.3	48.68	193.0	46.37	186.8	43.67	183.0	41.89	174.8	40.04	166.5	36.41
		952.5	202.0	48.62	193.3	46.31	186.8	43.60	183.0	41.82	174.8	40.11	166.5	36.48
	15	254.0	201.5	42.12	194.3	40.60	186.8	39.09	183.0	37.75	174.8	36.00	166.5	32.69
		317.5	201.1	41.95	194.0	40.44	186.8	38.92	183.0	37.60	174.8	35.69	166.5	32.52
		635.0	199.8	41.29	192.6	39.78	186.8	38.26	183.0	37.01	174.8	34.43	166.5	31.86
		793.8	201.1	40.70	193.2	39.18	186.8	37.60	183.0	36.35	174.8	34.43	166.5	31.86
		952.5	201.8	40.40	193.5	38.88	186.8	37.27	183.0	36.01	174.8	34.43	166.5	31.86
	20	254.0	202.7	35.56	195.1	34.53	186.8	33.35	183.0	32.01	174.8	30.92	166.5	29.01
		317.5	202.5	35.56	194.7	34.43	186.8	33.18	183.0	31.86	174.8	30.61	166.5	28.70
		635.0	201.7	35.56	193.2	34.04	186.8	32.52	183.0	31.27	174.8	29.35	166.5	27.44
		793.8	202.3	34.96	193.8	33.77	186.8	32.52	183.0	31.27	174.8	29.35	166.5	27.44
		952.5	202.6	34.66	194.1	33.64	186.8	32.52	183.0	31.27	174.8	29.35	166.5	27.44
	25	254.0	206.1	31.07	197.7	29.42	186.8	28.19	183.0	26.78	174.8	25.70	166.5	23.78
		317.5	206.5	31.00	197.7	29.35	186.8	28.04	183.0	26.78	174.8	25.53	166.5	23.62
		635.0	208.5	30.74	197.7	29.09	186.8	27.44	183.0	26.78	174.8	24.87	166.5	22.96
		793.8	209.3	29.95	197.7	28.43	186.8	27.44	183.0	26.12	174.8	24.87	166.5	22.96
		952.5	209.6	29.55	197.7	28.10	186.8	27.44	183.0	25.79	174.8	24.87	166.5	22.96
	30	254.0	209.3	28.19	197.7	26.27	186.8	24.36	183.0	23.78	174.8	22.45	166.5	20.38
		317.5	209.3	28.04	197.7	26.12	186.8	24.21	183.0	23.62	174.8	22.30	166.5	20.38
		635.0	209.3	27.44	197.7	25.53	186.8	23.62	183.0	22.96	174.8	21.70	166.5	20.38
		793.8	209.3	26.78	197.7	24.87	186.8	23.62	183.0	22.96	174.8	21.70	166.5	19.79
		952.5	209.3	26.45	197.7	24.54	186.8	23.62	183.0	22.96	174.8	21.70	166.5	19.49

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	254.0	209.3	25.70	197.7	23.78	186.8	21.87	183.0	21.21	174.8	19.96	166.5	18.62
		317.5	209.3	25.53	197.7	23.62	186.8	21.70	183.0	21.04	174.8	19.79	166.5	18.47
		635.0	209.3	24.87	197.7	22.96	186.8	21.04	183.0	20.38	174.8	19.13	166.5	17.88
		793.8	209.3	24.21	197.7	22.30	186.8	20.38	183.0	19.79	174.8	19.13	166.5	17.88
		952.5	209.3	23.88	197.7	21.96	186.8	20.05	183.0	19.49	174.8	19.13	166.5	17.88
	40	254.0	209.3	23.95	197.7	21.87	186.8	19.30	183.0	18.62	174.8	18.04	166.5	16.71
		317.5	209.3	23.62	197.7	21.70	186.8	19.13	183.0	18.47	174.8	17.88	166.5	16.56
		635.0	209.3	22.30	197.7	21.04	186.8	18.47	183.0	17.88	174.8	17.22	166.5	15.96
		793.8	209.3	22.30	197.7	21.04	186.8	18.47	183.0	17.88	174.8	17.22	166.5	15.96
		952.5	209.3	22.30	197.7	21.04	186.8	18.47	183.0	17.88	174.8	17.22	166.5	15.96
	45	254.0	209.3	22.19	197.7	19.96	186.8	16.71	183.0	16.13	174.8	16.13	166.5	14.79
		317.5	209.3	21.70	197.7	19.79	186.8	16.56	183.0	15.96	174.8	15.96	166.5	14.64
		635.0	209.3	19.79	197.7	19.13	186.8	15.96	183.0	15.30	174.8	15.30	166.5	14.05
		793.8	209.3	20.38	197.7	19.79	186.8	16.56	183.0	15.96	174.8	15.30	166.5	14.05
		952.5	209.3	20.68	197.7	20.12	186.8	16.86	183.0	16.30	174.8	15.30	166.5	14.05
80	-5	254.0	74.6	26.84	69.9	25.82	66.2	24.73	65.4	23.89	65.1	22.79	63.7	20.99
		317.5	77.2	27.44	72.3	26.39	68.5	25.26	67.7	24.41	67.3	23.29	65.9	21.44
		635.0	87.2	29.82	81.8	28.63	77.4	27.38	76.6	26.45	76.2	25.26	74.7	23.22
		793.8	96.5	32.13	90.3	30.87	85.5	29.55	84.5	28.56	84.1	27.24	82.4	25.07
		952.5	101.2	33.29	94.6	32.00	89.6	30.65	88.5	29.63	88.1	28.24	86.3	26.00
	0	254.0	133.2	39.40	122.8	37.81	114.4	36.25	112.3	34.99	110.7	33.34	106.5	30.72
		317.5	134.0	39.51	123.6	37.93	115.1	36.35	112.9	35.09	111.4	33.44	107.1	30.81
		635.0	137.3	39.98	126.5	38.39	117.8	36.74	115.7	35.49	114.1	33.84	109.7	31.14
		793.8	139.2	39.98	128.4	38.39	119.7	36.74	117.4	35.49	115.8	33.84	111.4	31.14
		952.5	140.2	39.98	129.4	38.39	120.7	36.74	118.3	35.49	116.7	33.84	112.3	31.14
	5	254.0	184.3	42.84	173.9	41.23	166.3	39.36	162.6	38.06	155.7	36.30	147.9	33.39
		317.5	184.7	43.08	174.2	41.43	166.3	39.58	162.6	38.26	155.7	36.48	147.9	33.58
		635.0	186.2	44.00	175.6	42.22	166.5	40.44	162.6	39.05	155.7	37.20	147.9	34.30
		793.8	186.2	44.26	175.4	42.55	166.5	40.70	162.6	39.32	155.7	37.47	147.9	34.50
		952.5	186.2	44.40	175.3	42.71	166.5	40.83	162.6	39.45	155.7	37.60	147.9	34.60
	10	254.0	185.3	39.43	174.6	37.65	166.3	35.74	162.6	34.75	155.7	32.90	147.9	30.46
		317.5	185.5	39.38	174.8	37.60	166.3	35.75	162.6	34.76	155.7	32.92	147.9	30.48
		635.0	186.2	39.18	175.6	37.40	166.5	35.82	162.6	34.83	155.7	32.98	147.9	30.54
		793.8	186.2	39.05	175.4	37.53	166.5	35.95	162.6	34.63	155.7	32.78	147.9	30.34
		952.5	186.2	38.99	175.3	37.60	166.5	36.02	162.6	34.53	155.7	32.69	147.9	30.24
	15	254.0	186.2	36.00	175.4	34.09	166.5	32.01	162.6	31.43	155.7	29.52	147.9	27.61
		317.5	186.2	35.69	175.4	33.77	166.5	31.86	162.6	31.27	155.7	29.35	147.9	27.44
		635.0	186.2	34.43	175.4	32.52	166.5	31.27	162.6	30.61	155.7	28.70	147.9	26.78
		793.8	186.2	33.77	175.4	32.52	166.5	31.27	162.6	29.95	155.7	28.04	147.9	26.12
		952.5	186.2	33.44	175.4	32.52	166.5	31.27	162.6	29.62	155.7	27.70	147.9	25.79
	20	254.0	186.2	30.10	175.4	28.86	166.5	27.44	162.6	26.95	155.7	25.70	147.9	23.78
		317.5	186.2	29.95	175.4	28.70	166.5	27.44	162.6	26.78	155.7	25.53	147.9	23.62
		635.0	186.2	29.35	175.4	28.04	166.5	27.44	162.6	26.12	155.7	24.87	147.9	22.96
		793.8	186.2	28.70	175.4	27.44	166.5	26.78	162.6	26.12	155.7	24.21	147.9	22.96
		952.5	186.2	28.36	175.4	27.14	166.5	26.45	162.6	26.12	155.7	23.88	147.9	22.96
	25	254.0	186.2	26.95	175.4	25.04	166.5	23.62	162.6	23.12	155.7	21.87	147.9	20.53
		317.5	186.2	26.78	175.4	24.87	166.5	23.62	162.6	22.96	155.7	21.70	147.9	20.38
		635.0	186.2	26.12	175.4	24.21	166.5	23.62	162.6	22.30	155.7	21.04	147.9	19.79
		793.8	186.2	25.53	175.4	24.21	166.5	22.96	162.6	22.30	155.7	21.04	147.9	19.79
		952.5	186.2	25.23	175.4	24.21	166.5	22.62	162.6	22.30	155.7	21.04	147.9	19.79
	30	254.0	186.2	23.78	175.4	22.45	166.5	21.21	162.6	20.53	155.7	19.30	147.9	18.04
		317.5	186.2	23.62	175.4	22.30	166.5	21.04	162.6	20.38	155.7	19.13	147.9	17.88
		635.0	186.2	22.96	175.4	21.70	166.5	20.38	162.6	19.79	155.7	18.47	147.9	17.22
		793.8	186.2	22.96	175.4	21.70	166.5	20.38	162.6	19.79	155.7	18.47	147.9	17.22
		952.5	186.2	22.96	175.4	21.70	166.5	20.38	162.6	19.79	155.7	18.47	147.9	17.22
	35	254.0	186.2	21.87	175.4	20.53	166.5	18.62	162.6	17.88	155.7	17.38	147.9	15.96
		317.5	186.2	21.70	175.4	20.38	166.5	18.47	162.6	17.88	155.7	17.22	147.9	15.96
		635.0	186.2	21.04	175.4	19.79	166.5	17.88	162.6	17.88	155.7	16.56	147.9	15.96
		793.8	186.2	21.04	175.4	19.13	166.5	17.88	162.6	17.22	155.7	16.56	147.9	15.30
		952.5	186.2	21.04	175.4	18.80	166.5	17.88	162.6	16.88	155.7	16.56	147.9	14.97
	40	254.0	186.2	20.70	175.4	18.62	166.5	16.56	162.6	16.71	155.7	15.30	147.9	14.79
		317.5	186.2	20.38	175.4	18.47	166.5	16.56	162.6	16.56	155.7	15.30	147.9	14.64
		635.0	186.2	19.13	175.4	17.88	166.5	16.56	162.6	15.96	155.7	15.30	147.9	14.05
		793.8	186.2	19.13	175.4	17.88	166.5	15.96	162.6	15.96	155.7	15.30	147.9	14.05
		952.5	186.2	19.13	175.4	17.88	166.5	15.66	162.6	15.96	155.7	15.30	147.9	14.05

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	254.0	186.2	19.61	175.4	16.71	166.5	14.48	162.6	15.62	155.7	13.22	147.9	13.71
		317.5	186.2	19.13	175.4	16.56	166.5	14.64	162.6	15.30	155.7	13.39	147.9	13.39
		635.0	186.2	17.22	175.4	15.96	166.5	15.30	162.6	14.05	155.7	14.05	147.9	12.14
		793.8	186.2	17.22	175.4	16.56	166.5	14.05	162.6	14.64	155.7	14.05	147.9	12.73
		952.5	186.2	17.22	175.4	16.86	166.5	13.42	162.6	14.94	155.7	14.05	147.9	13.03
70	-5	254.0	65.1	23.05	61.1	21.95	57.8	21.24	57.2	20.02	56.8	19.31	55.9	17.56
		317.5	67.3	23.55	63.2	22.43	59.8	21.70	59.2	20.45	58.8	19.72	57.8	17.94
		635.0	76.2	25.53	71.6	24.34	67.5	23.55	66.9	22.16	66.5	21.37	65.4	19.46
		793.8	84.3	27.57	79.1	26.25	74.7	25.40	74.1	23.88	73.5	23.09	72.1	20.98
		952.5	88.4	28.60	82.9	27.22	78.3	26.33	77.7	24.74	77.0	23.95	75.5	21.74
	0	254.0	116.5	33.74	107.7	32.17	100.0	31.10	98.2	29.27	96.7	28.28	93.3	25.73
		317.5	117.2	33.84	108.3	32.26	100.6	31.20	98.8	29.35	97.3	28.37	93.8	25.79
		635.0	119.9	34.24	110.8	32.59	102.9	31.60	101.1	29.68	99.6	28.70	95.9	26.06
		793.8	121.6	34.24	112.6	32.59	104.4	31.60	102.7	29.68	101.1	28.70	97.5	26.06
		952.5	122.5	34.24	113.4	32.59	105.2	31.60	103.5	29.68	101.9	28.70	98.3	26.06
	5	254.0	160.9	36.76	152.5	34.98	145.2	33.85	142.1	31.91	135.8	30.77	129.4	27.95
		317.5	161.3	36.94	152.8	35.16	145.2	34.04	142.1	32.06	135.8	30.94	129.4	28.10
		635.0	162.6	37.67	153.9	35.89	145.4	34.76	142.1	32.65	135.8	31.60	129.4	28.70
		793.8	162.6	37.93	153.7	36.15	145.4	35.03	142.1	32.92	135.8	31.80	129.4	28.89
		952.5	162.6	38.06	153.7	36.28	145.4	35.16	142.1	33.05	135.8	31.90	129.4	28.99
	10	254.0	161.7	33.84	153.0	31.99	145.4	30.81	142.1	29.09	135.8	27.90	129.4	25.53
		317.5	161.9	33.77	153.2	31.93	145.4	30.74	142.1	29.09	135.8	27.90	129.4	25.53
		635.0	162.6	33.51	153.7	31.66	145.4	30.48	142.1	29.09	135.8	27.90	129.4	25.53
		793.8	162.6	33.64	153.7	31.80	145.4	30.61	142.1	29.22	135.8	27.71	129.4	25.59
		952.5	162.6	33.71	153.7	31.86	145.4	30.67	142.1	29.29	135.8	27.61	129.4	25.63
	15	254.0	162.6	30.92	153.7	29.01	145.4	27.77	142.1	26.27	135.8	25.04	129.4	23.12
		317.5	162.6	30.61	153.7	28.70	145.4	27.44	142.1	26.12	135.8	24.87	129.4	22.96
		635.0	162.6	29.35	153.7	27.44	145.4	26.12	142.1	25.53	135.8	24.21	129.4	22.30
		793.8	162.6	29.35	153.7	27.44	145.4	26.12	142.1	25.53	135.8	23.62	129.4	22.30
		952.5	162.6	29.35	153.7	27.44	145.4	26.12	142.1	25.53	135.8	23.32	129.4	22.30
	20	254.0	162.6	25.70	153.7	24.36	145.4	23.78	142.1	23.12	135.8	21.87	129.4	20.53
		317.5	162.6	25.53	153.7	24.21	145.4	23.62	142.1	22.96	135.8	21.70	129.4	20.38
		635.0	162.6	24.87	153.7	23.62	145.4	22.96	142.1	22.30	135.8	21.04	129.4	19.79
		793.8	162.6	24.87	153.7	23.62	145.4	22.96	142.1	21.70	135.8	21.04	129.4	19.13
		952.5	162.6	24.87	153.7	23.62	145.4	22.96	142.1	21.40	135.8	21.04	129.4	18.80
	25	254.0	162.6	23.12	153.7	21.87	145.4	20.53	142.1	19.96	135.8	18.47	129.4	17.22
		317.5	162.6	22.96	153.7	21.70	145.4	20.38	142.1	19.79	135.8	18.47	129.4	17.22
		635.0	162.6	22.30	153.7	21.04	145.4	19.79	142.1	19.13	135.8	18.47	129.4	17.22
		793.8	162.6	21.70	153.7	20.38	145.4	19.79	142.1	19.13	135.8	17.88	129.4	17.22
		952.5	162.6	21.40	153.7	20.05	145.4	19.79	142.1	19.13	135.8	17.58	129.4	17.22
	30	254.0	162.6	20.53	153.7	19.30	145.4	18.04	142.1	17.22	135.8	16.71	129.4	15.30
		317.5	162.6	20.38	153.7	19.13	145.4	17.88	142.1	17.22	135.8	16.56	129.4	15.30
		635.0	162.6	19.79	153.7	18.47	145.4	17.22	142.1	17.22	135.8	15.96	129.4	15.30
		793.8	162.6	19.79	153.7	18.47	145.4	17.22	142.1	16.56	135.8	15.96	129.4	15.30
		952.5	162.6	19.79	153.7	18.47	145.4	17.22	142.1	16.22	135.8	15.96	129.4	15.30
	35	254.0	162.6	18.62	153.7	17.38	145.4	15.96	142.1	16.13	135.8	14.64	129.4	14.22
		317.5	162.6	18.47	153.7	17.22	145.4	15.96	142.1	15.96	135.8	14.64	129.4	14.05
		635.0	162.6	17.88	153.7	16.56	145.4	15.96	142.1	15.30	135.8	14.64	129.4	13.39
		793.8	162.6	17.88	153.7	16.56	145.4	15.30	142.1	15.30	135.8	14.64	129.4	13.39
		952.5	162.6	17.88	153.7	16.56	145.4	14.97	142.1	15.30	135.8	14.64	129.4	13.39
	40	254.0	162.6	17.38	153.7	16.13	145.4	14.79	142.1	14.05	135.8	13.39	129.4	12.88
		317.5	162.6	17.22	153.7	15.96	145.4	14.64	142.1	14.05	135.8	13.39	129.4	12.73
		635.0	162.6	16.56	153.7	15.30	145.4	14.05	142.1	14.05	135.8	13.39	129.4	12.14
		793.8	162.6	16.56	153.7	15.30	145.4	14.05	142.1	13.39	135.8	12.73	129.4	12.14
		952.5	162.6	16.56	153.7	15.30	145.4	14.05	142.1	13.06	135.8	12.40	129.4	12.14
	45	254.0	162.6	16.13	153.7	14.79	145.4	13.71	142.1	11.99	135.8	12.14	129.4	11.64
		317.5	162.6	15.96	153.7	14.64	145.4	13.39	142.1	12.14	135.8	12.14	129.4	11.48
		635.0	162.6	15.30	153.7	14.05	145.4	12.14	142.1	12.73	135.8	12.14	129.4	10.82
		793.8	162.6	15.30	153.7	14.05	145.4	12.73	142.1	11.48	135.8	10.82	129.4	10.82
		952.5	162.6	15.30	153.7	14.05	145.4	13.03	142.1	10.85	135.8	10.15	129.4	10.82
60	-5	254.0	55.9	18.71	52.3	18.00	49.5	17.30	49.0	16.08	48.8	15.81	47.8	14.13
		317.5	57.8	19.13	54.2	18.40	51.2	17.68	50.7	16.43	50.5	16.16	49.5	14.45
		635.0	65.6	20.78	61.3	19.99	58.0	19.20	57.4	17.81	57.2	17.55	56.1	15.70
		793.8	72.3	22.36	67.7	21.57	64.2	20.71	63.4	19.26	63.2	18.93	61.9	16.89
		952.5	75.7	23.16	70.9	22.37	67.3	21.48	66.5	19.99	66.3	19.63	64.8	17.49

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	254.0	100.0	27.42	92.1	26.45	85.9	25.31	84.2	23.55	83.1	23.22	80.0	20.73
		317.5	100.6	27.51	92.6	26.52	86.4	25.40	84.7	23.62	83.5	23.29	80.5	20.78
		635.0	102.9	27.84	94.8	26.78	88.6	25.73	86.6	23.88	85.5	23.55	82.2	20.98
		793.8	104.4	27.84	96.3	26.78	89.9	25.73	88.0	23.88	86.8	23.55	83.5	20.98
		952.5	105.2	27.84	97.1	26.78	90.6	25.73	88.7	23.88	87.5	23.55	84.2	20.98
	5	254.0	138.2	29.86	130.3	28.74	124.9	27.56	121.8	25.66	116.6	25.26	111.0	22.51
		317.5	138.5	30.01	130.5	28.89	124.9	27.71	121.8	25.79	116.6	25.40	111.0	22.63
		635.0	139.6	30.61	131.5	29.49	124.9	28.30	121.8	26.32	116.6	25.92	111.0	23.09
		793.8	139.6	30.87	131.3	29.68	124.9	28.50	121.8	26.52	116.6	26.06	111.0	23.29
		952.5	139.6	31.00	131.2	29.78	124.9	28.60	121.8	26.62	116.6	26.12	111.0	23.39
	10	254.0	138.9	27.44	130.8	26.25	124.9	25.00	121.8	23.35	116.6	22.91	111.0	20.53
		317.5	139.1	27.44	130.9	26.25	124.9	25.00	121.8	23.42	116.6	22.89	111.0	20.58
		635.0	139.6	27.44	131.5	26.25	124.9	25.00	121.8	23.68	116.6	22.82	111.0	20.78
		793.8	139.6	27.51	131.3	25.99	124.9	24.74	121.8	23.42	116.6	22.63	111.0	20.58
		952.5	139.6	27.54	131.2	25.86	124.9	24.60	121.8	23.28	116.6	22.53	111.0	20.48
	15	254.0	139.6	25.04	131.3	23.78	124.9	22.45	121.8	21.04	116.6	20.53	111.0	18.47
		317.5	139.6	24.87	131.3	23.62	124.9	22.30	121.8	21.04	116.6	20.38	111.0	18.47
		635.0	139.6	24.21	131.3	22.96	124.9	21.70	121.8	21.04	116.6	19.79	111.0	18.47
		793.8	139.6	24.21	131.3	22.30	124.9	21.04	121.8	20.38	116.6	19.13	111.0	17.88
		952.5	139.6	24.21	131.3	21.96	124.9	20.71	121.8	20.05	116.6	18.80	111.0	17.58
	20	254.0	139.6	21.87	131.3	20.53	124.9	19.30	121.8	18.62	116.6	18.04	111.0	16.71
		317.5	139.6	21.70	131.3	20.38	124.9	19.13	121.8	18.47	116.6	17.88	111.0	16.56
		635.0	139.6	21.04	131.3	19.79	124.9	18.47	121.8	17.88	116.6	17.22	111.0	15.96
		793.8	139.6	21.04	131.3	19.79	124.9	18.47	121.8	17.88	116.6	17.22	111.0	15.96
		952.5	139.6	21.04	131.3	19.79	124.9	18.47	121.8	17.88	116.6	17.22	111.0	15.96
	25	254.0	139.6	19.30	131.3	18.04	124.9	16.56	121.8	16.71	116.6	15.30	111.0	14.79
		317.5	139.6	19.13	131.3	17.88	124.9	16.56	121.8	16.56	116.6	15.30	111.0	14.64
		635.0	139.6	18.47	131.3	17.22	124.9	16.56	121.8	15.96	116.6	15.30	111.0	14.05
		793.8	139.6	18.47	131.3	17.22	124.9	15.96	121.8	15.96	116.6	15.30	111.0	14.05
		952.5	139.6	18.47	131.3	17.22	124.9	15.66	121.8	15.96	116.6	15.30	111.0	14.05
	30	254.0	139.6	17.38	131.3	16.13	124.9	15.47	121.8	14.79	116.6	14.22	111.0	13.56
		317.5	139.6	17.22	131.3	15.96	124.9	15.30	121.8	14.64	116.6	14.05	111.0	13.39
		635.0	139.6	16.56	131.3	15.30	124.9	14.64	121.8	14.05	116.6	13.39	111.0	12.73
		793.8	139.6	16.56	131.3	15.30	124.9	14.64	121.8	14.05	116.6	13.39	111.0	12.73
		952.5	139.6	16.56	131.3	15.30	124.9	14.64	121.8	14.05	116.6	13.39	111.0	12.73
	35	254.0	139.6	15.30	131.3	14.79	124.9	13.39	121.8	13.56	116.6	12.88	111.0	12.30
		317.5	139.6	15.30	131.3	14.64	124.9	13.39	121.8	13.39	116.6	12.73	111.0	12.14
		635.0	139.6	15.30	131.3	14.05	124.9	13.39	121.8	12.73	116.6	12.14	111.0	11.48
		793.8	139.6	15.30	131.3	14.05	124.9	12.73	121.8	12.73	116.6	12.14	111.0	11.48
		952.5	139.6	15.30	131.3	14.05	124.9	12.40	121.8	12.73	116.6	12.14	111.0	11.48
	40	254.0	139.6	14.05	131.3	13.56	124.9	12.14	121.8	12.30	116.6	11.64	111.0	10.82
		317.5	139.6	14.05	131.3	13.39	124.9	12.14	121.8	12.14	116.6	11.48	111.0	10.82
		635.0	139.6	14.05	131.3	12.73	124.9	12.14	121.8	11.48	116.6	10.82	111.0	10.82
		793.8	139.6	14.05	131.3	12.73	124.9	12.14	121.8	11.48	116.6	10.82	111.0	10.82
		952.5	139.6	14.05	131.3	12.73	124.9	12.14	121.8	11.48	116.6	10.82	111.0	10.82
	45	254.0	139.6	12.73	131.3	12.30	124.9	10.82	121.8	10.97	116.6	10.39	111.0	9.40
		317.5	139.6	12.73	131.3	12.14	124.9	10.82	121.8	10.82	116.6	10.22	111.0	9.57
		635.0	139.6	12.73	131.3	11.48	124.9	10.82	121.8	10.22	116.6	9.57	111.0	10.22
		793.8	139.6	12.73	131.3	11.48	124.9	11.48	121.8	10.22	116.6	9.57	111.0	10.22
		952.5	139.6	12.73	131.3	11.48	124.9	11.81	121.8	10.22	116.6	9.57	111.0	10.22
50	-5	254.0	46.6	14.92	43.8	14.13	41.3	13.37	40.7	12.65	40.6	11.87	39.8	11.24
		317.5	48.2	15.24	45.3	14.45	42.7	13.65	42.2	12.93	42.0	12.14	41.2	11.48
		635.0	54.3	16.49	51.1	15.70	48.3	14.78	47.8	14.05	47.6	13.19	46.6	12.40
		793.8	60.1	17.81	56.5	16.89	53.4	15.96	52.8	15.17	52.4	14.18	51.6	13.39
		952.5	63.1	18.48	59.2	17.49	55.9	16.56	55.3	15.74	54.8	14.68	54.2	13.89
	0	254.0	83.1	21.85	76.9	20.73	71.5	19.53	70.0	18.54	69.0	17.43	66.5	16.44
		317.5	83.5	21.90	77.4	20.78	71.9	19.59	70.4	18.60	69.4	17.48	66.9	16.49
		635.0	85.5	22.10	79.1	20.98	73.7	19.86	72.1	18.87	71.2	17.68	68.5	16.69
		793.8	86.8	22.10	80.3	20.98	74.7	19.86	73.3	18.87	72.1	17.68	69.6	16.69
		952.5	87.5	22.10	80.8	20.98	75.1	19.86	73.9	18.87	72.6	17.68	70.2	16.69
	5	254.0	114.8	23.76	108.9	22.51	103.8	21.26	101.3	20.22	96.9	18.98	92.4	17.84
		317.5	115.1	23.88	109.1	22.63	103.9	21.37	101.3	20.32	96.9	19.06	92.4	17.94
		635.0	116.0	24.34	109.8	23.09	104.0	21.83	101.3	20.71	96.9	19.39	92.4	18.34
		793.8	116.0	24.54	109.7	23.29	104.0	21.97	101.3	20.85	96.9	19.59	92.4	18.47
		952.5	116.0	24.64	109.6	23.39	104.0	22.03	101.3	20.91	96.9	19.69	92.4	18.54

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(66HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	254.0	115.6	21.87	109.1	20.60	103.8	19.36	101.3	18.50	96.9	17.10	92.4	16.33
		317.5	115.7	21.83	109.3	20.58	103.9	19.33	101.3	18.47	96.9	17.15	92.4	16.29
		635.0	116.0	21.70	109.8	20.52	104.0	19.20	101.3	18.34	96.9	17.35	92.4	16.16
		793.8	116.0	21.83	109.7	20.58	104.0	19.26	101.3	18.40	96.9	17.09	92.4	16.23
		952.5	116.0	21.90	109.6	20.61	104.0	19.30	101.3	18.44	96.9	16.95	92.4	16.26
	15	254.0	116.0	19.96	109.7	18.62	104.0	17.38	101.3	16.71	96.9	15.30	92.4	14.79
		317.5	116.0	19.79	109.7	18.47	104.0	17.22	101.3	16.56	96.9	15.30	92.4	14.64
		635.0	116.0	19.13	109.7	17.88	104.0	16.56	101.3	15.96	96.9	15.30	92.4	14.05
		793.8	116.0	19.13	109.7	17.88	104.0	16.56	101.3	15.96	96.9	14.64	92.4	14.05
		952.5	116.0	19.13	109.7	17.88	104.0	16.56	101.3	15.96	96.9	14.31	92.4	14.05
	20	254.0	116.0	17.38	109.7	16.13	104.0	15.47	101.3	14.79	96.9	14.22	92.4	12.73
		317.5	116.0	17.22	109.7	15.96	104.0	15.30	101.3	14.64	96.9	14.05	92.4	12.73
		635.0	116.0	16.56	109.7	15.30	104.0	14.64	101.3	14.05	96.9	13.39	92.4	12.73
		793.8	116.0	16.56	109.7	15.30	104.0	14.64	101.3	14.05	96.9	13.39	92.4	12.73
		952.5	116.0	16.56	109.7	15.30	104.0	14.64	101.3	14.05	96.9	13.39	92.4	12.73
	25	254.0	116.0	15.47	109.7	14.05	104.0	13.56	101.3	12.73	96.9	12.14	92.4	11.48
		317.5	116.0	15.30	109.7	14.05	104.0	13.39	101.3	12.73	96.9	12.14	92.4	11.48
		635.0	116.0	14.64	109.7	14.05	104.0	12.73	101.3	12.73	96.9	12.14	92.4	11.48
		793.8	116.0	14.64	109.7	14.05	104.0	12.73	101.3	12.73	96.9	12.14	92.4	11.48
		952.5	116.0	14.64	109.7	14.05	104.0	12.73	101.3	12.73	96.9	12.14	92.4	11.48
	30	254.0	116.0	14.22	109.7	12.88	104.0	12.30	101.3	11.48	96.9	11.64	92.4	10.97
		317.5	116.0	14.05	109.7	12.73	104.0	12.14	101.3	11.48	96.9	11.48	92.4	10.82
		635.0	116.0	13.39	109.7	12.14	104.0	11.48	101.3	11.48	96.9	10.82	92.4	10.22
		793.8	116.0	13.39	109.7	12.14	104.0	11.48	101.3	11.48	96.9	10.82	92.4	10.22
		952.5	116.0	13.39	109.7	12.14	104.0	11.48	101.3	11.48	96.9	10.82	92.4	10.22
	35	254.0	116.0	12.88	109.7	11.48	104.0	10.82	101.3	10.97	96.9	10.22	92.4	9.57
		317.5	116.0	12.73	109.7	11.48	104.0	10.82	101.3	10.82	96.9	10.22	92.4	9.57
		635.0	116.0	12.14	109.7	11.48	104.0	10.82	101.3	10.22	96.9	10.22	92.4	9.57
		793.8	116.0	12.14	109.7	11.48	104.0	10.82	101.3	10.22	96.9	10.22	92.4	9.57
		952.5	116.0	12.14	109.7	11.48	104.0	10.82	101.3	10.22	96.9	10.22	92.4	9.57
	40	254.0	116.0	11.64	109.7	10.97	104.0	10.39	101.3	9.57	96.9	9.73	92.4	8.91
		317.5	116.0	11.48	109.7	10.82	104.0	10.22	101.3	9.57	96.9	9.57	92.4	8.91
		635.0	116.0	10.82	109.7	10.22	104.0	9.57	101.3	9.57	96.9	8.91	92.4	8.91
		793.8	116.0	10.82	109.7	10.22	104.0	9.57	101.3	9.57	96.9	8.91	92.4	8.91
		952.5	116.0	10.82	109.7	10.22	104.0	9.57	101.3	9.57	96.9	8.91	92.4	8.91
	45	254.0	116.0	10.39	109.7	10.56	104.0	9.88	101.3	8.16	96.9	9.22	92.4	8.31
		317.5	116.0	10.22	109.7	10.22	104.0	9.57	101.3	8.31	96.9	8.91	92.4	8.31
		635.0	116.0	9.57	109.7	8.91	104.0	8.31	101.3	8.91	96.9	7.65	92.4	8.31
		793.8	116.0	9.57	109.7	8.91	104.0	8.31	101.3	8.91	96.9	7.65	92.4	8.31
		952.5	116.0	9.57	109.7	8.91	104.0	8.31	101.3	8.91	96.9	7.65	92.4	8.31

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(68HP)

ARWN680LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	261.6	101.3	41.55	100.6	39.12	100.0	36.42	98.6	35.34	99.8	34.42	97.1	30.86
		327.0	104.8	42.28	104.0	39.89	103.4	37.22	102.0	36.12	103.2	35.16	100.4	31.54
		654.0	118.6	45.15	117.6	42.90	117.0	40.36	115.4	39.20	116.8	38.11	113.8	34.21
		817.5	131.1	48.03	129.9	45.84	129.1	43.51	127.5	42.35	129.1	41.12	125.7	36.88
		981.0	137.4	49.47	136.1	47.32	135.2	45.10	133.6	43.93	135.3	42.63	131.8	38.22
	0	261.6	181.0	56.83	176.9	55.14	173.1	53.34	169.4	51.84	170.0	50.42	162.2	45.15
		327.0	182.1	56.99	177.9	55.28	174.1	53.50	170.4	51.99	171.0	50.56	163.2	45.29
		654.0	186.5	57.60	181.9	55.83	178.1	54.12	174.3	52.61	174.9	51.11	167.2	45.84
		817.5	189.3	57.60	184.7	55.83	180.9	54.12	176.9	52.61	177.5	51.11	169.6	45.84
		981.0	190.7	57.60	186.1	55.83	182.3	54.12	178.2	52.61	178.8	51.11	170.8	45.84
	5	261.6	260.7	61.09	256.8	59.59	251.4	58.06	245.1	56.42	238.5	54.87	225.4	49.14
		327.0	261.6	61.37	257.2	59.86	251.5	58.36	245.1	56.72	238.5	55.14	225.4	49.39
		654.0	265.2	62.46	259.0	60.96	251.7	59.52	245.1	57.88	238.5	56.24	225.4	50.42
		817.5	266.8	62.87	259.8	61.37	251.7	59.93	245.1	58.29	238.5	56.65	225.4	50.76
		981.0	267.6	63.08	260.2	61.57	251.7	60.14	245.1	58.50	238.5	56.85	225.4	50.94
	10	261.6	261.1	55.59	256.8	53.72	250.7	52.71	244.1	51.53	237.6	49.77	224.5	44.91
		327.0	262.6	55.48	258.0	53.77	251.7	52.82	245.1	51.52	238.5	49.74	225.4	44.88
		654.0	268.8	55.07	262.8	53.98	255.6	53.23	249.1	51.45	242.1	49.60	228.9	44.74
		817.5	270.2	55.83	264.6	54.73	257.2	53.43	250.3	51.65	243.7	50.42	230.3	46.86
		981.0	270.9	56.20	265.5	55.11	258.0	53.53	250.9	51.76	244.5	50.83	231.0	47.93
	15	261.6	261.5	50.10	256.9	47.96	249.6	47.45	243.1	46.66	236.7	44.68	223.5	40.71
		327.0	263.6	49.60	258.8	47.75	251.7	47.34	245.1	46.32	238.5	44.33	225.4	40.36
		654.0	272.2	47.62	266.6	46.93	259.6	46.93	253.1	44.95	245.7	42.96	232.5	39.00
		817.5	273.6	48.78	269.2	48.03	262.8	46.93	255.6	44.95	249.1	44.20	235.3	42.96
		981.0	274.3	49.37	270.5	48.58	264.4	46.93	257.0	44.95	250.8	44.82	236.7	44.96
	20	261.6	271.4	45.96	266.4	43.82	259.4	42.86	252.2	41.49	244.9	40.57	230.4	39.32
		327.0	273.6	45.63	268.6	43.78	261.4	42.83	254.3	41.66	247.1	40.84	232.5	39.00
		654.0	282.1	44.33	277.2	43.65	269.4	42.69	262.2	42.35	255.6	41.94	241.1	37.70
		817.5	283.3	44.33	279.2	43.65	272.6	42.96	264.8	42.35	257.6	41.94	243.1	40.09
		981.0	283.9	44.33	280.2	43.65	274.2	43.10	266.1	42.35	258.6	41.94	244.1	41.30
	25	261.6	286.5	43.82	279.2	42.55	272.6	41.84	267.4	41.14	261.4	40.54	246.5	37.87
		327.0	286.5	43.65	279.2	42.48	272.6	41.66	267.4	40.98	261.4	40.36	246.5	37.70
		654.0	286.5	42.96	279.2	42.21	272.6	40.98	267.4	40.36	261.4	39.68	246.5	37.01
		817.5	286.5	42.35	279.2	41.12	272.6	40.36	267.4	39.68	261.4	39.00	246.5	36.40
		981.0	286.5	42.04	279.2	40.57	272.6	40.05	267.4	39.34	261.4	38.65	246.5	36.09
	30	261.6	286.5	42.69	279.2	40.57	272.6	40.20	267.4	39.15	261.4	38.73	246.5	36.04
		327.0	286.5	42.35	279.2	40.50	272.6	39.95	267.4	39.00	261.4	38.38	246.5	35.71
		654.0	286.5	40.98	279.2	40.23	272.6	39.00	267.4	38.38	261.4	37.01	246.5	34.41
		817.5	286.5	40.36	279.2	39.13	272.6	38.38	267.4	37.70	261.4	37.01	246.5	34.41
		981.0	286.5	40.05	279.2	38.58	272.6	38.07	267.4	37.35	261.4	37.01	246.5	34.41
	35	261.6	286.5	40.71	279.2	39.36	272.6	38.55	267.4	37.17	261.4	35.88	246.5	33.37
		327.0	286.5	40.36	279.2	39.13	272.6	38.38	267.4	37.01	261.4	35.71	246.5	33.04
		654.0	286.5	39.00	279.2	38.24	272.6	37.70	267.4	36.40	261.4	35.03	246.5	31.74
		817.5	286.5	39.00	279.2	37.83	272.6	37.01	267.4	35.71	261.4	34.41	246.5	31.74
		981.0	286.5	39.00	279.2	37.63	272.6	36.67	267.4	35.37	261.4	34.10	246.5	31.74
	40	261.6	286.5	39.32	279.2	38.07	272.6	37.34	267.4	36.04	261.4	34.76	246.5	31.39
		327.0	286.5	39.00	279.2	37.83	272.6	37.01	267.4	35.71	261.4	34.41	246.5	31.06
		654.0	286.5	37.70	279.2	36.88	272.6	35.71	267.4	34.41	261.4	33.04	246.5	29.76
		817.5	286.5	37.01	279.2	36.26	272.6	35.71	267.4	34.41	261.4	33.04	246.5	29.76
		981.0	286.5	36.67	279.2	35.95	272.6	35.71	267.4	34.41	261.4	33.04	246.5	29.76
	45	261.6	286.5	38.02	279.2	36.77	272.6	36.21	267.4	34.91	261.4	33.54	246.5	29.40
		327.0	286.5	37.70	279.2	36.53	272.6	35.71	267.4	34.41	261.4	33.04	246.5	29.08
		654.0	286.5	36.40	279.2	35.58	272.6	33.73	267.4	32.43	261.4	31.06	246.5	27.78
		817.5	286.5	35.03	279.2	34.69	272.6	34.41	267.4	33.04	261.4	31.74	246.5	27.78
		981.0	286.5	34.34	279.2	34.24	272.6	34.76	267.4	33.35	261.4	32.09	246.5	27.78
120	-5	261.6	96.3	41.55	95.6	39.12	95.0	36.42	93.8	34.88	94.6	33.87	92.1	30.32
		327.0	99.6	42.28	98.8	39.89	98.2	37.22	97.0	35.64	97.8	34.62	95.2	30.99
		654.0	112.8	45.15	111.8	42.90	111.2	40.36	109.8	38.65	110.8	37.56	107.8	33.66
		817.5	124.5	48.03	123.5	45.84	122.7	43.51	121.3	41.73	122.3	40.50	119.0	36.26
		981.0	130.5	49.47	129.5	47.32	128.6	45.10	127.2	43.28	128.2	41.98	124.6	37.57
	0	261.6	172.1	56.83	168.0	55.14	164.4	53.34	161.0	51.09	161.0	49.67	153.7	44.40
		327.0	173.2	56.99	169.0	55.28	165.4	53.50	162.0	51.24	162.0	49.81	154.6	44.54
		654.0	177.1	57.60	173.0	55.83	169.4	54.12	165.8	51.86	165.8	50.35	158.4	45.08
		817.5	179.9	57.60	175.7	55.83	172.0	54.12	168.4	51.86	168.2	50.35	160.8	45.08
		981.0	181.3	57.60	177.1	55.83	173.3	54.12	169.7	51.86	169.4	50.35	162.0	45.08

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	261.6	248.2	61.09	244.4	59.59	239.1	58.06	233.3	55.60	226.0	54.04	213.6	48.40
		327.0	249.1	61.37	244.9	59.86	239.1	58.36	233.3	55.89	226.0	54.32	213.6	48.64
		654.0	252.7	62.46	246.7	60.96	239.1	59.52	233.3	57.06	226.0	55.42	213.6	49.60
		817.5	254.1	62.87	245.3	61.37	239.1	59.93	233.3	57.47	226.0	55.83	213.6	49.94
		981.0	254.8	63.08	244.6	61.57	239.1	60.14	233.3	57.67	226.0	56.03	213.6	50.11
	10	261.6	249.1	54.88	244.5	53.36	238.5	52.28	232.7	50.69	225.4	49.02	213.0	44.08
		327.0	250.3	55.07	245.5	53.57	239.1	52.47	233.3	50.76	226.0	48.98	213.6	44.13
		654.0	254.8	55.83	249.5	54.39	241.7	53.23	235.9	51.04	228.3	48.85	215.8	44.33
		817.5	256.2	55.62	248.7	54.39	242.7	53.43	236.9	51.24	229.3	49.05	216.8	45.84
		981.0	256.9	55.52	248.3	54.39	243.2	53.53	237.4	51.35	229.8	49.16	217.3	46.60
	15	261.6	249.8	48.68	244.8	47.24	237.7	46.50	232.0	45.80	224.8	43.98	212.4	39.85
		327.0	251.3	48.78	246.3	47.34	239.1	46.59	233.3	45.63	226.0	43.65	213.6	39.68
		654.0	257.0	49.19	252.3	47.75	244.5	46.93	238.5	44.95	230.5	42.35	218.2	39.00
		817.5	258.4	48.44	252.1	47.34	246.5	46.93	240.5	44.95	232.5	42.35	220.2	41.66
		981.0	259.1	48.06	252.0	47.14	247.5	46.93	241.5	44.95	233.5	42.35	221.2	43.01
	20	261.6	256.8	43.78	251.9	41.92	244.3	40.81	237.6	40.21	229.9	39.71	217.5	37.70
		327.0	258.4	43.78	253.5	42.07	245.7	40.98	239.1	40.36	231.3	39.68	218.8	37.56
		654.0	265.0	43.78	259.4	42.69	251.1	41.66	245.1	40.98	237.1	39.54	224.0	37.01
		817.5	266.2	43.37	259.2	42.35	253.1	41.66	246.5	40.98	238.5	39.68	225.4	38.38
		981.0	266.8	43.17	259.1	42.18	254.1	41.66	247.2	40.98	239.2	39.75	226.1	39.07
	25	261.6	269.2	41.41	261.4	39.48	253.1	38.72	247.7	37.87	241.1	37.17	227.9	34.58
		327.0	269.4	41.25	261.4	39.41	253.1	38.65	247.7	37.70	241.1	37.01	227.9	34.41
		654.0	270.0	40.64	261.4	39.13	253.1	38.38	247.7	37.01	241.1	36.40	227.9	33.73
		817.5	270.8	39.13	261.4	38.11	253.1	37.70	247.7	37.01	241.1	35.71	227.9	33.73
		981.0	271.2	38.37	261.4	37.59	253.1	37.35	247.7	37.01	241.1	35.37	227.9	33.73
	30	261.6	270.8	39.60	261.4	37.65	253.1	36.57	247.7	35.18	241.1	34.76	227.9	31.92
		327.0	270.8	39.27	261.4	37.42	253.1	36.40	247.7	35.03	241.1	34.41	227.9	31.74
		654.0	270.8	37.97	261.4	36.53	253.1	35.71	247.7	34.41	241.1	33.04	227.9	31.06
		817.5	270.8	36.74	261.4	35.71	253.1	35.03	247.7	34.41	241.1	33.04	227.9	30.44
		981.0	270.8	36.12	261.4	35.30	253.1	34.68	247.7	34.41	241.1	33.04	227.9	30.13
	35	261.6	270.8	37.82	261.4	35.77	253.1	34.76	247.7	33.37	241.1	32.07	227.9	29.23
		327.0	270.8	37.29	261.4	35.44	253.1	34.41	247.7	33.04	241.1	31.74	227.9	29.08
		654.0	270.8	35.16	261.4	34.14	253.1	33.04	247.7	31.74	241.1	30.44	227.9	28.46
		817.5	270.8	34.75	261.4	33.86	253.1	33.04	247.7	31.74	241.1	30.44	227.9	27.78
		981.0	270.8	34.55	261.4	33.73	253.1	33.04	247.7	31.74	241.1	30.44	227.9	27.43
	40	261.6	270.8	36.69	261.4	34.13	253.1	32.77	247.7	31.39	241.1	30.09	227.9	27.25
		327.0	270.8	35.99	261.4	33.73	253.1	32.43	247.7	31.06	241.1	29.76	227.9	27.09
		654.0	270.8	33.18	261.4	32.15	253.1	31.06	247.7	29.76	241.1	28.46	227.9	26.48
		817.5	270.8	32.77	261.4	31.74	253.1	31.06	247.7	29.76	241.1	28.46	227.9	25.79
		981.0	270.8	32.56	261.4	31.54	253.1	31.06	247.7	29.76	241.1	28.46	227.9	25.45
	45	261.6	270.8	35.57	261.4	32.48	253.1	30.79	247.7	29.40	241.1	28.10	227.9	25.26
		327.0	270.8	34.69	261.4	32.02	253.1	30.44	247.7	29.08	241.1	27.78	227.9	25.11
		654.0	270.8	31.20	261.4	30.17	253.1	29.08	247.7	27.78	241.1	26.48	227.9	24.49
		817.5	270.8	30.79	261.4	29.62	253.1	29.08	247.7	27.78	241.1	26.48	227.9	23.81
		981.0	270.8	30.58	261.4	29.35	253.1	29.08	247.7	27.78	241.1	26.48	227.9	23.46
110	-5	261.6	91.1	42.10	90.5	39.12	89.9	36.42	89.0	34.88	89.2	33.87	87.2	30.32
		327.0	94.2	42.83	93.7	39.89	93.1	37.22	92.1	35.64	92.3	34.62	90.3	30.99
		654.0	106.6	45.70	106.0	42.90	105.4	40.36	104.2	38.65	104.2	37.56	102.2	33.66
		817.5	117.8	48.64	117.0	45.84	116.4	43.51	115.2	41.73	115.2	40.50	112.8	36.26
		981.0	123.4	50.12	122.5	47.32	121.9	45.10	120.7	43.28	120.7	41.98	118.1	37.57
	0	261.6	162.8	57.60	159.2	55.14	155.9	53.34	152.9	51.09	151.5	49.67	145.8	44.40
		327.0	163.8	57.74	160.2	55.28	156.8	53.50	153.8	51.24	152.4	49.81	146.7	44.54
		654.0	167.6	58.29	164.0	55.83	160.4	54.12	157.4	51.86	156.0	50.35	150.0	45.08
		817.5	170.2	58.29	166.6	55.83	163.0	54.12	159.8	51.86	158.4	50.35	152.2	45.08
		981.0	171.5	58.29	167.9	55.83	164.3	54.12	161.0	51.86	159.6	50.35	153.3	45.08
	5	261.6	237.5	61.91	231.9	59.59	226.5	58.06	221.4	55.60	212.8	54.04	202.4	48.40
		327.0	238.3	62.19	232.3	59.86	226.6	58.36	221.4	55.89	212.8	54.32	202.4	48.64
		654.0	241.5	63.28	234.1	60.96	226.8	59.52	221.4	57.06	212.8	55.42	202.4	49.60
		817.5	242.9	63.69	234.7	61.37	226.8	59.93	221.4	57.47	212.8	55.83	202.4	49.94
		981.0	243.6	63.90	235.0	61.57	226.8	60.14	221.4	57.67	212.8	56.03	202.4	50.11
	10	261.6	238.4	55.52	232.5	53.62	226.2	52.45	221.0	50.69	212.5	49.02	202.2	44.08
		327.0	239.3	55.62	233.1	53.77	226.6	52.61	221.4	50.76	212.8	48.98	202.4	44.13
		654.0	242.9	56.03	235.5	54.39	227.9	53.23	222.8	51.04	214.2	48.85	203.4	44.33
		817.5	244.3	56.03	236.5	54.39	228.7	53.09	223.2	50.90	214.6	49.05	204.0	44.81
		981.0	245.0	56.03	237.0	54.39	229.1	53.02	223.4	50.83	214.8	49.16	204.3	45.05

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	261.6	239.1	49.12	232.9	47.75	226.1	46.93	220.7	45.80	212.1	43.98	201.9	39.85
		327.0	240.1	49.05	233.7	47.75	226.8	46.93	221.4	45.63	212.8	43.65	202.4	39.68
		654.0	244.1	48.78	237.1	47.75	229.3	46.93	224.0	44.95	215.6	42.35	204.4	39.00
		817.5	245.5	48.44	238.3	47.34	230.5	46.32	224.8	44.33	216.2	42.35	205.6	39.68
		981.0	246.2	48.26	238.9	47.14	231.1	46.01	225.2	44.02	216.5	42.35	206.2	40.02
	20	261.6	243.6	42.40	236.9	41.39	229.3	40.36	223.1	39.68	214.9	38.55	203.6	36.05
		327.0	244.9	42.48	237.7	41.39	229.9	40.36	224.0	39.68	215.6	38.38	204.4	35.99
		654.0	250.1	42.83	240.9	41.39	232.5	40.36	227.4	39.68	218.2	37.70	207.6	35.71
		817.5	251.5	42.83	242.9	41.39	233.9	40.36	227.9	39.00	219.4	37.70	208.2	35.71
		981.0	252.2	42.83	243.9	41.39	234.6	40.36	228.2	38.65	220.0	37.70	208.5	35.71
	25	261.6	251.2	38.59	243.7	37.17	233.9	36.57	228.7	35.18	220.8	33.90	209.0	31.06
		327.0	251.7	38.52	243.7	37.01	233.9	36.40	228.7	35.03	220.8	33.73	209.0	31.06
		654.0	253.7	38.24	243.7	36.40	233.9	35.71	228.7	34.41	220.8	33.04	209.0	31.06
		817.5	254.8	38.24	243.7	36.53	233.9	35.03	228.7	34.41	220.8	32.43	209.0	30.44
		981.0	255.5	38.24	243.7	36.60	233.9	34.68	228.7	34.41	220.8	32.12	209.0	30.13
	30	261.6	254.8	35.18	243.7	33.90	233.9	32.60	228.7	31.92	220.8	29.93	209.0	27.95
		327.0	254.8	35.03	243.7	33.73	233.9	32.43	228.7	31.74	220.8	29.76	209.0	27.78
		654.0	254.8	34.41	243.7	33.04	233.9	31.74	228.7	31.06	220.8	29.08	209.0	27.09
		817.5	254.8	34.14	243.7	32.43	233.9	31.06	228.7	30.44	220.8	29.08	209.0	27.09
		981.0	254.8	34.00	243.7	32.12	233.9	30.72	228.7	30.13	220.8	29.08	209.0	27.09
	35	261.6	254.8	33.37	243.7	31.22	233.9	29.93	228.7	28.63	220.8	27.25	209.0	25.26
		327.0	254.8	33.04	243.7	31.06	233.9	29.76	228.7	28.46	220.8	27.09	209.0	25.11
		654.0	254.8	31.74	243.7	30.44	233.9	29.08	228.7	27.78	220.8	26.48	209.0	24.49
		817.5	254.8	30.92	243.7	29.76	233.9	28.46	228.7	27.78	220.8	26.48	209.0	24.49
		981.0	254.8	30.51	243.7	29.42	233.9	28.15	228.7	27.78	220.8	26.48	209.0	24.49
	40	261.6	254.8	31.39	243.7	30.09	233.9	28.10	228.7	26.65	220.8	25.26	209.0	23.28
		327.0	254.8	31.06	243.7	29.76	233.9	27.78	228.7	26.48	220.8	25.11	209.0	23.12
		654.0	254.8	29.76	243.7	28.46	233.9	26.48	228.7	25.79	220.8	24.49	209.0	22.51
		817.5	254.8	29.35	243.7	27.78	233.9	26.48	228.7	25.11	220.8	23.81	209.0	21.82
		981.0	254.8	29.14	243.7	27.43	233.9	26.48	228.7	24.76	220.8	23.46	209.0	21.48
	45	261.6	254.8	29.40	243.7	28.96	233.9	26.29	228.7	24.66	220.8	23.28	209.0	21.30
		327.0	254.8	29.08	243.7	28.46	233.9	25.79	228.7	24.49	220.8	23.12	209.0	21.14
		654.0	254.8	27.78	243.7	26.48	233.9	23.81	228.7	23.81	220.8	22.51	209.0	20.52
		817.5	254.8	27.78	243.7	25.79	233.9	24.49	228.7	22.51	220.8	21.14	209.0	19.16
		981.0	254.8	27.78	243.7	25.45	233.9	24.84	228.7	21.85	220.8	20.45	209.0	18.47
100	-5	261.6	86.1	42.10	85.5	39.67	85.2	36.42	84.4	34.88	83.6	33.33	82.0	30.32
		327.0	89.1	42.83	88.5	40.43	88.1	37.22	87.3	35.64	86.5	34.07	84.9	30.99
		654.0	100.8	45.70	100.2	43.44	99.6	40.36	98.6	38.65	97.8	37.01	96.2	33.66
		817.5	111.4	48.64	110.6	46.45	110.0	43.51	109.0	41.73	108.2	39.89	106.2	36.26
		981.0	116.7	50.12	115.8	47.97	115.2	45.10	114.2	43.28	113.4	41.33	111.2	37.57
	0	261.6	153.9	57.60	150.5	55.89	147.4	53.34	144.8	51.09	142.2	48.91	137.3	44.40
		327.0	154.8	57.74	151.4	56.03	148.2	53.50	145.7	51.24	143.1	49.05	138.1	44.54
		654.0	158.4	58.29	155.0	56.58	151.6	54.12	149.0	51.86	146.5	49.60	141.3	45.08
		817.5	160.8	58.29	157.4	56.58	154.0	54.12	151.2	51.86	148.6	49.60	143.5	45.08
		981.0	162.0	58.29	158.6	56.58	155.2	54.12	152.3	51.86	149.7	49.60	144.6	45.08
	5	261.6	227.1	61.91	219.6	60.41	214.0	58.06	209.6	55.60	199.7	53.22	190.5	48.40
		327.0	227.9	62.19	220.0	60.68	214.0	58.36	209.6	55.89	199.7	53.50	190.5	48.64
		654.0	231.1	63.28	221.6	61.78	214.2	59.52	209.6	57.06	199.7	54.59	190.5	49.60
		817.5	232.5	63.69	222.2	62.19	214.2	59.93	209.6	57.47	199.7	54.94	190.5	49.94
		981.0	233.2	63.90	222.5	62.39	214.2	60.14	209.6	57.67	199.7	55.11	190.5	50.11
	10	261.6	228.4	55.36	220.3	54.15	214.2	52.45	209.6	50.69	199.7	48.18	190.5	44.08
		327.0	228.9	55.62	220.6	54.32	214.2	52.61	209.6	50.76	199.7	48.23	190.5	44.13
		654.0	231.1	56.65	221.8	55.00	214.2	53.23	209.6	51.04	199.7	48.44	190.5	44.33
		817.5	232.7	56.44	222.8	55.00	214.2	53.09	209.6	50.90	199.7	48.30	190.5	44.13
		981.0	233.5	56.34	223.3	55.00	214.2	53.02	209.6	50.83	199.7	48.23	190.5	44.02
	15	261.6	229.6	48.81	221.2	47.99	214.2	46.93	209.6	45.80	199.7	43.12	190.5	39.85
		327.0	229.9	49.05	221.4	48.03	214.2	46.93	209.6	45.63	199.7	42.96	190.5	39.68
		654.0	231.1	50.01	222.0	48.16	214.2	46.93	209.6	44.95	199.7	42.35	190.5	39.00
		817.5	233.1	49.19	223.2	47.75	214.2	46.32	209.6	44.33	199.7	41.66	190.5	38.38
		981.0	234.1	48.78	223.8	47.55	214.2	46.01	209.6	44.02	199.7	41.32	190.5	38.07
	20	261.6	230.9	41.75	222.4	40.67	214.2	39.68	209.6	39.15	199.7	36.57	190.5	34.76
		327.0	231.7	41.94	222.6	40.71	214.2	39.68	209.6	39.00	199.7	36.40	190.5	34.41
		654.0	235.1	42.69	223.2	40.84	214.2	39.68	209.6	38.38	199.7	35.71	190.5	33.04
		817.5	236.5	41.94	225.2	40.50	214.2	39.00	209.6	37.70	199.7	35.03	190.5	32.43
		981.0	237.2	41.56	226.2	40.33	214.2	38.65	209.6	37.35	199.7	34.68	190.5	32.12

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	261.6	233.7	36.50	226.0	35.35	214.2	33.90	209.6	32.60	199.7	30.62	190.5	27.78
		327.0	234.5	36.53	226.0	35.16	214.2	33.73	209.6	32.43	199.7	30.44	190.5	27.78
		654.0	237.9	36.67	226.0	34.41	214.2	33.04	209.6	31.74	199.7	29.76	190.5	27.78
		817.5	239.1	35.85	226.0	34.14	214.2	32.43	209.6	31.06	199.7	29.76	190.5	27.09
		981.0	239.7	35.44	226.0	34.00	214.2	32.12	209.6	30.72	199.7	29.76	190.5	26.75
	30	261.6	239.1	33.20	226.0	30.62	214.2	28.53	209.6	27.95	199.7	25.79	190.5	24.66
		327.0	239.1	33.04	226.0	30.44	214.2	28.46	209.6	27.78	199.7	25.79	190.5	24.49
		654.0	239.1	32.43	226.0	29.76	214.2	28.19	209.6	27.09	199.7	25.79	190.5	23.81
		817.5	239.1	31.74	226.0	29.76	214.2	27.78	209.6	27.09	199.7	25.11	190.5	23.81
		981.0	239.1	31.40	226.0	29.76	214.2	27.57	209.6	27.09	199.7	24.76	190.5	23.81
	35	261.6	239.1	30.79	226.0	28.10	214.2	25.18	209.6	24.66	199.7	23.28	190.5	21.30
		327.0	239.1	30.44	226.0	27.78	214.2	25.11	209.6	24.49	199.7	23.12	190.5	21.14
		654.0	239.1	29.08	226.0	26.48	214.2	24.83	209.6	23.81	199.7	22.51	190.5	20.52
		817.5	239.1	29.08	226.0	26.48	214.2	24.49	209.6	23.81	199.7	22.51	190.5	20.52
		981.0	239.1	29.08	226.0	26.48	214.2	24.32	209.6	23.81	199.7	22.51	190.5	20.52
	40	261.6	239.1	28.81	226.0	26.12	214.2	22.58	209.6	22.00	199.7	20.70	190.5	19.31
		327.0	239.1	28.46	226.0	25.79	214.2	22.51	209.6	21.82	199.7	20.52	190.5	19.16
		654.0	239.1	27.09	226.0	24.49	214.2	22.23	209.6	21.14	199.7	19.84	190.5	18.54
		817.5	239.1	26.48	226.0	24.49	214.2	21.82	209.6	21.14	199.7	19.84	190.5	18.54
		981.0	239.1	26.17	226.0	24.49	214.2	21.62	209.6	21.14	199.7	19.84	190.5	18.54
	45	261.6	239.1	26.82	226.0	24.14	214.2	19.91	209.6	19.31	199.7	18.03	190.5	17.33
		327.0	239.1	26.48	226.0	23.81	214.2	19.84	209.6	19.16	199.7	17.86	190.5	17.17
		654.0	239.1	25.11	226.0	22.51	214.2	19.57	209.6	18.54	199.7	17.17	190.5	16.56
		817.5	239.1	23.81	226.0	22.51	214.2	19.16	209.6	18.54	199.7	17.17	190.5	16.56
		981.0	239.1	23.15	226.0	22.51	214.2	18.95	209.6	18.54	199.7	17.17	190.5	16.56
90	-5	261.6	81.3	39.07	78.8	35.59	76.5	31.26	75.9	29.79	75.3	28.71	74.0	25.77
		327.0	84.1	39.75	81.5	36.26	79.1	31.95	78.5	30.44	77.9	29.35	76.5	26.34
		654.0	95.2	42.42	92.3	38.93	89.5	34.69	88.9	33.04	88.3	31.88	86.5	28.60
		817.5	105.2	45.08	101.8	41.66	98.8	37.42	98.0	35.64	97.4	34.34	95.6	30.85
		981.0	110.2	46.43	106.6	43.04	103.6	38.80	102.7	36.95	102.1	35.58	100.3	31.99
	0	261.6	145.4	53.22	138.7	49.94	132.3	45.85	130.4	43.73	128.2	42.09	123.4	37.80
		327.0	146.3	53.36	139.5	50.08	133.1	45.97	131.1	43.85	128.9	42.21	124.1	37.90
		654.0	149.6	53.91	142.7	50.63	136.3	46.45	134.1	44.33	131.9	42.69	127.1	38.31
		817.5	151.8	53.91	144.9	50.63	138.5	46.45	136.1	44.33	134.1	42.69	129.1	38.31
		981.0	152.9	53.91	146.0	50.63	139.6	46.45	137.1	44.33	135.2	42.69	130.1	38.31
	5	261.6	205.4	57.14	198.8	53.92	192.5	49.91	188.5	47.58	180.1	45.80	171.6	41.11
		327.0	205.6	57.40	198.7	54.18	192.5	50.15	188.5	47.82	180.1	46.04	171.6	41.32
		654.0	206.4	58.43	198.1	55.21	192.5	51.11	188.5	48.78	180.1	47.00	171.6	42.14
		817.5	207.6	58.77	198.7	55.55	192.5	51.52	188.5	49.12	180.1	47.34	171.6	42.48
		981.0	208.2	58.94	199.0	55.72	192.5	51.72	188.5	49.29	180.1	47.51	171.6	42.66
	10	261.6	206.5	50.45	199.5	47.97	192.5	45.17	188.5	43.32	180.1	41.56	171.6	37.46
		327.0	206.4	50.49	199.3	48.03	192.5	45.22	188.5	43.37	180.1	41.53	171.6	37.49
		654.0	206.0	50.63	198.3	48.23	192.5	45.43	188.5	43.58	180.1	41.39	171.6	37.63
		817.5	207.4	50.49	198.9	48.09	192.5	45.29	188.5	43.44	180.1	41.53	171.6	37.76
		981.0	208.1	50.42	199.2	48.03	192.5	45.22	188.5	43.37	180.1	41.60	171.6	37.83
	15	261.6	207.6	43.68	200.2	42.11	192.5	40.54	188.5	39.15	180.1	37.34	171.6	33.90
		327.0	207.2	43.51	199.9	41.94	192.5	40.36	188.5	39.00	180.1	37.01	171.6	33.73
		654.0	205.8	42.83	198.5	41.25	192.5	39.68	188.5	38.38	180.1	35.71	171.6	33.04
		817.5	207.2	42.21	199.1	40.64	192.5	39.00	188.5	37.70	180.1	35.71	171.6	33.04
		981.0	207.9	41.90	199.4	40.33	192.5	38.65	188.5	37.35	180.1	35.71	171.6	33.04
	20	261.6	208.8	36.88	201.1	35.82	192.5	34.58	188.5	33.20	180.1	32.07	171.6	30.09
		327.0	208.6	36.88	200.7	35.71	192.5	34.41	188.5	33.04	180.1	31.74	171.6	29.76
		654.0	207.8	36.88	199.1	35.30	192.5	33.73	188.5	32.43	180.1	30.44	171.6	28.46
		817.5	208.4	36.26	199.7	35.03	192.5	33.73	188.5	32.43	180.1	30.44	171.6	28.46
		981.0	208.7	35.95	200.0	34.89	192.5	33.73	188.5	32.43	180.1	30.44	171.6	28.46
	25	261.6	212.3	32.22	203.6	30.51	192.5	29.23	188.5	27.78	180.1	26.65	171.6	24.66
		327.0	212.8	32.15	203.6	30.44	192.5	29.08	188.5	27.78	180.1	26.48	171.6	24.49
		654.0	214.8	31.88	203.6	30.17	192.5	28.46	188.5	27.78	180.1	25.79	171.6	23.81
		817.5	215.6	31.06	203.6	29.49	192.5	28.46	188.5	27.09	180.1	25.79	171.6	23.81
		981.0	216.0	30.65	203.6	29.14	192.5	28.46	188.5	26.75	180.1	25.79	171.6	23.81
	30	261.6	215.6	29.23	203.6	27.25	192.5	25.26	188.5	24.66	180.1	23.28	171.6	21.14
		327.0	215.6	29.08	203.6	27.09	192.5	25.11	188.5	24.49	180.1	23.12	171.6	21.14
		654.0	215.6	28.46	203.6	26.48	192.5	24.49	188.5	23.81	180.1	22.51	171.6	21.14
		817.5	215.6	27.78	203.6	25.79	192.5	24.49	188.5	23.81	180.1	22.51	171.6	20.52
		981.0	215.6	27.43	203.6	25.45	192.5	24.49	188.5	23.81	180.1	22.51	171.6	20.21

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	261.6	215.6	26.65	203.6	24.66	192.5	22.68	188.5	22.00	180.1	20.70	171.6	19.31
		327.0	215.6	26.48	203.6	24.49	192.5	22.51	188.5	21.82	180.1	20.52	171.6	19.16
		654.0	215.6	25.79	203.6	23.81	192.5	21.82	188.5	21.14	180.1	19.84	171.6	18.54
		817.5	215.6	25.11	203.6	23.12	192.5	21.14	188.5	20.52	180.1	19.84	171.6	18.54
		981.0	215.6	24.76	203.6	22.78	192.5	20.80	188.5	20.21	180.1	19.84	171.6	18.54
	40	261.6	215.6	24.84	203.6	22.68	192.5	20.01	188.5	19.31	180.1	18.71	171.6	17.33
		327.0	215.6	24.49	203.6	22.51	192.5	19.84	188.5	19.16	180.1	18.54	171.6	17.17
		654.0	215.6	23.12	203.6	21.82	192.5	19.16	188.5	18.54	180.1	17.86	171.6	16.56
		817.5	215.6	23.12	203.6	21.82	192.5	19.16	188.5	18.54	180.1	17.86	171.6	16.56
		981.0	215.6	23.12	203.6	21.82	192.5	19.16	188.5	18.54	180.1	17.86	171.6	16.56
	45	261.6	215.6	23.01	203.6	20.70	192.5	17.33	188.5	16.73	180.1	16.73	171.6	15.34
		327.0	215.6	22.51	203.6	20.52	192.5	17.17	188.5	16.56	180.1	16.56	171.6	15.19
		654.0	215.6	20.52	203.6	19.84	192.5	16.56	188.5	15.87	180.1	15.87	171.6	14.57
		817.5	215.6	21.14	203.6	20.52	192.5	17.17	188.5	16.56	180.1	15.87	171.6	14.57
		981.0	215.6	21.45	203.6	20.87	192.5	17.48	188.5	16.90	180.1	15.87	171.6	14.57
80	-5	261.6	76.9	27.84	72.1	26.78	68.2	25.65	67.4	24.78	67.0	23.63	65.7	21.77
		327.0	79.5	28.46	74.5	27.37	70.5	26.20	69.7	25.31	69.3	24.15	67.9	22.23
		654.0	89.9	30.92	84.3	29.69	79.7	28.39	78.9	27.43	78.5	26.20	76.9	24.08
		817.5	99.4	33.32	93.1	32.02	88.1	30.65	87.1	29.62	86.7	28.25	84.9	26.00
		981.0	104.2	34.52	97.5	33.19	92.3	31.79	91.2	30.73	90.8	29.29	88.9	26.96
	0	261.6	137.2	40.86	126.6	39.22	117.9	37.59	115.7	36.29	114.1	34.58	109.7	31.86
		327.0	138.1	40.98	127.3	39.34	118.6	37.70	116.4	36.40	114.8	34.69	110.4	31.95
		654.0	141.5	41.46	130.3	39.82	121.3	38.11	119.2	36.81	117.6	35.10	113.0	32.29
		817.5	143.5	41.46	132.3	39.82	123.3	38.11	120.9	36.81	119.4	35.10	114.8	32.29
		981.0	144.5	41.46	133.3	39.82	124.3	38.11	121.9	36.81	120.3	35.10	115.7	32.29
	5	261.6	189.9	44.43	179.2	42.76	171.3	40.82	167.6	39.47	160.4	37.64	152.4	34.63
		327.0	190.3	44.67	179.5	42.96	171.4	41.05	167.6	39.68	160.4	37.83	152.4	34.82
		654.0	191.9	45.63	180.9	43.78	171.6	41.94	167.6	40.50	160.4	38.59	152.4	35.58
		817.5	191.9	45.91	180.7	44.13	171.6	42.21	167.6	40.77	160.4	38.86	152.4	35.78
		981.0	191.9	46.04	180.6	44.30	171.6	42.35	167.6	40.91	160.4	39.00	152.4	35.88
	10	261.6	190.9	40.89	179.9	39.05	171.3	37.06	167.6	36.04	160.4	34.12	152.4	31.59
		327.0	191.1	40.84	180.1	39.00	171.4	37.08	167.6	36.05	160.4	34.14	152.4	31.61
		654.0	191.9	40.64	180.9	38.79	171.6	37.15	167.6	36.12	160.4	34.21	152.4	31.68
		817.5	191.9	40.50	180.7	38.93	171.6	37.29	167.6	35.92	160.4	34.00	152.4	31.47
		981.0	191.9	40.43	180.6	39.00	171.6	37.35	167.6	35.81	160.4	33.90	152.4	31.37
	15	261.6	191.9	37.34	180.7	35.36	171.6	33.20	167.6	32.60	160.4	30.62	152.4	28.63
		327.0	191.9	37.01	180.7	35.03	171.6	33.04	167.6	32.43	160.4	30.44	152.4	28.46
		654.0	191.9	35.71	180.7	33.73	171.6	32.43	167.6	31.74	160.4	29.76	152.4	27.78
		817.5	191.9	35.03	180.7	33.73	171.6	32.43	167.6	31.06	160.4	29.08	152.4	27.09
		981.0	191.9	34.68	180.7	33.73	171.6	32.43	167.6	30.72	160.4	28.73	152.4	26.75
	20	261.6	191.9	31.22	180.7	29.93	171.6	28.46	167.6	27.95	160.4	26.65	152.4	24.66
		327.0	191.9	31.06	180.7	29.76	171.6	28.46	167.6	27.78	160.4	26.48	152.4	24.49
		654.0	191.9	30.44	180.7	29.08	171.6	28.46	167.6	27.09	160.4	25.79	152.4	23.81
		817.5	191.9	29.76	180.7	28.46	171.6	27.78	167.6	27.09	160.4	25.11	152.4	23.81
		981.0	191.9	29.42	180.7	28.15	171.6	27.43	167.6	27.09	160.4	24.76	152.4	23.81
	25	261.6	191.9	27.95	180.7	25.96	171.6	24.49	167.6	23.98	160.4	22.68	152.4	21.30
		327.0	191.9	27.78	180.7	25.79	171.6	24.49	167.6	23.81	160.4	22.51	152.4	21.14
		654.0	191.9	27.09	180.7	25.11	171.6	24.49	167.6	23.12	160.4	21.82	152.4	20.52
		817.5	191.9	26.48	180.7	25.11	171.6	23.81	167.6	23.12	160.4	21.82	152.4	20.52
		981.0	191.9	26.17	180.7	25.11	171.6	23.46	167.6	23.12	160.4	21.82	152.4	20.52
	30	261.6	191.9	24.66	180.7	23.28	171.6	22.00	167.6	21.30	160.4	20.01	152.4	18.71
		327.0	191.9	24.49	180.7	23.12	171.6	21.82	167.6	21.14	160.4	19.84	152.4	18.54
		654.0	191.9	23.81	180.7	22.51	171.6	21.14	167.6	20.52	160.4	19.16	152.4	17.86
		817.5	191.9	23.81	180.7	22.51	171.6	21.14	167.6	20.52	160.4	19.16	152.4	17.86
		981.0	191.9	23.81	180.7	22.51	171.6	21.14	167.6	20.52	160.4	19.16	152.4	17.86
	35	261.6	191.9	22.68	180.7	21.30	171.6	19.31	167.6	18.54	160.4	18.03	152.4	16.56
		327.0	191.9	22.51	180.7	21.14	171.6	19.16	167.6	18.54	160.4	17.86	152.4	16.56
		654.0	191.9	21.82	180.7	20.52	171.6	18.54	167.6	18.54	160.4	17.17	152.4	16.56
		817.5	191.9	21.82	180.7	19.84	171.6	18.54	167.6	17.86	160.4	17.17	152.4	15.87
		981.0	191.9	21.82	180.7	19.50	171.6	18.54	167.6	17.51	160.4	17.17	152.4	15.53
	40	261.6	191.9	21.47	180.7	19.31	171.6	17.17	167.6	17.33	160.4	15.87	152.4	15.34
		327.0	191.9	21.14	180.7	19.16	171.6	17.17	167.6	17.17	160.4	15.87	152.4	15.19
		654.0	191.9	19.84	180.7	18.54	171.6	17.17	167.6	16.56	160.4	15.87	152.4	14.57
		817.5	191.9	19.84	180.7	18.54	171.6	16.56	167.6	16.56	160.4	15.87	152.4	14.57
		981.0	191.9	19.84	180.7	18.54	171.6	16.25	167.6	16.56	160.4	15.87	152.4	14.57

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	261.6	191.9	20.34	180.7	17.33	171.6	15.02	167.6	16.20	160.4	13.72	152.4	14.22
		327.0	191.9	19.84	180.7	17.17	171.6	15.19	167.6	15.87	160.4	13.89	152.4	13.89
		654.0	191.9	17.86	180.7	16.56	171.6	15.87	167.6	14.57	160.4	14.57	152.4	12.59
		817.5	191.9	17.86	180.7	17.17	171.6	14.57	167.6	15.19	160.4	14.57	152.4	13.20
		981.0	191.9	17.86	180.7	17.48	171.6	13.92	167.6	15.50	160.4	14.57	152.4	13.51
70	-5	261.6	67.0	23.91	63.0	22.76	59.6	22.02	59.0	20.76	58.6	20.02	57.6	18.21
		327.0	69.3	24.42	65.2	23.26	61.6	22.51	61.0	21.21	60.6	20.46	59.6	18.61
		654.0	78.5	26.48	73.7	25.24	69.5	24.42	68.9	22.99	68.5	22.17	67.3	20.18
		817.5	86.9	28.60	81.5	27.23	76.9	26.34	76.3	24.77	75.7	23.94	74.3	21.76
		981.0	91.1	29.67	85.4	28.23	80.6	27.30	80.0	25.66	79.3	24.84	77.8	22.55
	0	261.6	120.0	34.99	110.9	33.37	103.0	32.26	101.2	30.36	99.6	29.33	96.1	26.68
		327.0	120.7	35.10	111.6	33.45	103.6	32.36	101.8	30.44	100.2	29.42	96.6	26.75
		654.0	123.5	35.51	114.2	33.80	106.0	32.77	104.2	30.79	102.6	29.76	98.8	27.02
		817.5	125.3	35.51	116.0	33.80	107.6	32.77	105.8	30.79	104.2	29.76	100.4	27.02
		981.0	126.2	35.51	116.9	33.80	108.4	32.77	106.6	30.79	105.0	29.76	101.2	27.02
	5	261.6	165.8	38.12	157.1	36.27	149.6	35.11	146.5	33.09	139.9	31.91	133.3	28.99
		327.0	166.2	38.31	157.4	36.46	149.6	35.30	146.5	33.25	139.9	32.09	133.3	29.14
		654.0	167.6	39.06	158.6	37.22	149.8	36.05	146.5	33.86	139.9	32.77	133.3	29.76
		817.5	167.6	39.34	158.4	37.49	149.8	36.33	146.5	34.14	139.9	32.98	133.3	29.97
		981.0	167.6	39.48	158.3	37.63	149.8	36.47	146.5	34.28	139.9	33.08	133.3	30.07
	10	261.6	166.6	35.10	157.7	33.18	149.8	31.95	146.5	30.17	139.9	28.94	133.3	26.48
		327.0	166.8	35.03	157.8	33.11	149.8	31.88	146.5	30.17	139.9	28.94	133.3	26.48
		654.0	167.6	34.75	158.4	32.84	149.8	31.61	146.5	30.17	139.9	28.94	133.3	26.48
		817.5	167.6	34.89	158.4	32.98	149.8	31.74	146.5	30.31	139.9	28.73	133.3	26.54
		981.0	167.6	34.96	158.4	33.04	149.8	31.81	146.5	30.38	139.9	28.63	133.3	26.58
	15	261.6	167.6	32.07	158.4	30.09	149.8	28.81	146.5	27.25	139.9	25.96	133.3	23.98
		327.0	167.6	31.74	158.4	29.76	149.8	28.46	146.5	27.09	139.9	25.79	133.3	23.81
		654.0	167.6	30.44	158.4	28.46	149.8	27.09	146.5	26.48	139.9	25.11	133.3	23.12
		817.5	167.6	30.44	158.4	28.46	149.8	27.09	146.5	26.48	139.9	24.49	133.3	23.12
		981.0	167.6	30.44	158.4	28.46	149.8	27.09	146.5	26.48	139.9	24.18	133.3	23.12
	20	261.6	167.6	26.65	158.4	25.26	149.8	24.66	146.5	23.98	139.9	22.68	133.3	21.30
		327.0	167.6	26.48	158.4	25.11	149.8	24.49	146.5	23.81	139.9	22.51	133.3	21.14
		654.0	167.6	25.79	158.4	24.49	149.8	23.81	146.5	23.12	139.9	21.82	133.3	20.52
		817.5	167.6	25.79	158.4	24.49	149.8	23.81	146.5	22.51	139.9	21.82	133.3	19.84
		981.0	167.6	25.79	158.4	24.49	149.8	23.81	146.5	22.20	139.9	21.82	133.3	19.50
	25	261.6	167.6	23.98	158.4	22.68	149.8	21.30	146.5	20.70	139.9	19.16	133.3	17.86
		327.0	167.6	23.81	158.4	22.51	149.8	21.14	146.5	20.52	139.9	19.16	133.3	17.86
		654.0	167.6	23.12	158.4	21.82	149.8	20.52	146.5	19.84	139.9	19.16	133.3	17.86
		817.5	167.6	22.51	158.4	21.14	149.8	20.52	146.5	19.84	139.9	18.54	133.3	17.86
		981.0	167.6	22.20	158.4	20.80	149.8	20.52	146.5	19.84	139.9	18.23	133.3	17.86
	30	261.6	167.6	21.30	158.4	20.01	149.8	18.71	146.5	17.86	139.9	17.33	133.3	15.87
		327.0	167.6	21.14	158.4	19.84	149.8	18.54	146.5	17.86	139.9	17.17	133.3	15.87
		654.0	167.6	20.52	158.4	19.16	149.8	17.86	146.5	17.86	139.9	16.56	133.3	15.87
		817.5	167.6	20.52	158.4	19.16	149.8	17.86	146.5	17.17	139.9	16.56	133.3	15.87
		981.0	167.6	20.52	158.4	19.16	149.8	17.86	146.5	16.83	139.9	16.56	133.3	15.87
	35	261.6	167.6	19.31	158.4	18.03	149.8	16.56	146.5	16.73	139.9	15.19	133.3	14.74
		327.0	167.6	19.16	158.4	17.86	149.8	16.56	146.5	16.56	139.9	15.19	133.3	14.57
		654.0	167.6	18.54	158.4	17.17	149.8	16.56	146.5	15.87	139.9	15.19	133.3	13.89
		817.5	167.6	18.54	158.4	17.17	149.8	15.87	146.5	15.87	139.9	15.19	133.3	13.89
		981.0	167.6	18.54	158.4	17.17	149.8	15.53	146.5	15.87	139.9	15.19	133.3	13.89
	40	261.6	167.6	18.03	158.4	16.73	149.8	15.34	146.5	14.57	139.9	13.89	133.3	13.36
		327.0	167.6	17.86	158.4	16.56	149.8	15.19	146.5	14.57	139.9	13.89	133.3	13.20
		654.0	167.6	17.17	158.4	15.87	149.8	14.57	146.5	14.57	139.9	13.89	133.3	12.59
		817.5	167.6	17.17	158.4	15.87	149.8	14.57	146.5	13.89	139.9	13.20	133.3	12.59
		981.0	167.6	17.17	158.4	15.87	149.8	14.57	146.5	13.54	139.9	12.86	133.3	12.59
	45	261.6	167.6	16.73	158.4	15.34	149.8	14.22	146.5	12.43	139.9	12.59	133.3	12.08
		327.0	167.6	16.56	158.4	15.19	149.8	13.89	146.5	12.59	139.9	12.59	133.3	11.90
		654.0	167.6	15.87	158.4	14.57	149.8	12.59	146.5	13.20	139.9	12.59	133.3	11.22
		817.5	167.6	15.87	158.4	14.57	149.8	13.20	146.5	11.90	139.9	11.22	133.3	11.22
		981.0	167.6	15.87	158.4	14.57	149.8	13.51	146.5	11.25	139.9	10.53	133.3	11.22
60	-5	261.6	57.6	19.41	53.9	18.67	51.0	17.94	50.4	16.67	50.2	16.40	49.3	14.65
		327.0	59.6	19.84	55.8	19.09	52.8	18.33	52.2	17.04	52.0	16.76	51.0	14.98
		654.0	67.5	21.55	63.2	20.73	59.8	19.91	59.2	18.47	59.0	18.20	57.8	16.28
		817.5	74.5	23.19	69.7	22.37	66.2	21.48	65.4	19.98	65.2	19.63	63.8	17.51
		981.0	78.0	24.02	73.1	23.20	69.4	22.27	68.5	20.74	68.3	20.36	66.8	18.13

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	261.6	103.0	28.44	94.9	27.43	88.5	26.25	86.8	24.42	85.6	24.08	82.4	21.50
		327.0	103.6	28.53	95.4	27.50	89.1	26.34	87.3	24.49	86.1	24.15	82.9	21.55
		654.0	106.0	28.87	97.6	27.78	91.3	26.68	89.3	24.77	88.1	24.42	84.7	21.76
		817.5	107.6	28.87	99.2	27.78	92.7	26.68	90.7	24.77	89.5	24.42	86.1	21.76
		981.0	108.4	28.87	100.0	27.78	93.4	26.68	91.4	24.77	90.2	24.42	86.8	21.76
	5	261.6	142.4	30.97	134.2	29.81	128.7	28.58	125.5	26.61	120.2	26.20	114.4	23.34
		327.0	142.7	31.13	134.5	29.97	128.7	28.73	125.5	26.75	120.2	26.34	114.4	23.47
		654.0	143.9	31.74	135.5	30.58	128.7	29.35	125.5	27.30	120.2	26.89	114.4	23.94
		817.5	143.9	32.02	135.3	30.79	128.7	29.55	125.5	27.50	120.2	27.02	114.4	24.15
		981.0	143.9	32.16	135.2	30.89	128.7	29.66	125.5	27.61	120.2	27.09	114.4	24.25
	10	261.6	143.1	28.46	134.7	27.23	128.7	25.93	125.5	24.22	120.2	23.76	114.4	21.29
		327.0	143.3	28.46	134.9	27.23	128.7	25.93	125.5	24.29	120.2	23.74	114.4	21.35
		654.0	143.9	28.46	135.5	27.23	128.7	25.93	125.5	24.56	120.2	23.67	114.4	21.55
		817.5	143.9	28.53	135.3	26.96	128.7	25.66	125.5	24.29	120.2	23.47	114.4	21.35
		981.0	143.9	28.56	135.2	26.82	128.7	25.52	125.5	24.15	120.2	23.36	114.4	21.24
	15	261.6	143.9	25.96	135.3	24.66	128.7	23.28	125.5	21.82	120.2	21.30	114.4	19.16
		327.0	143.9	25.79	135.3	24.49	128.7	23.12	125.5	21.82	120.2	21.14	114.4	19.16
		654.0	143.9	25.11	135.3	23.81	128.7	22.51	125.5	21.82	120.2	20.52	114.4	19.16
		817.5	143.9	25.11	135.3	23.12	128.7	21.82	125.5	21.14	120.2	19.84	114.4	18.54
		981.0	143.9	25.11	135.3	22.78	128.7	21.48	125.5	20.80	120.2	19.50	114.4	18.23
	20	261.6	143.9	22.68	135.3	21.30	128.7	20.01	125.5	19.31	120.2	18.71	114.4	17.33
		327.0	143.9	22.51	135.3	21.14	128.7	19.84	125.5	19.16	120.2	18.54	114.4	17.17
		654.0	143.9	21.82	135.3	20.52	128.7	19.16	125.5	18.54	120.2	17.86	114.4	16.56
		817.5	143.9	21.82	135.3	20.52	128.7	19.16	125.5	18.54	120.2	17.86	114.4	16.56
		981.0	143.9	21.82	135.3	20.52	128.7	19.16	125.5	18.54	120.2	17.86	114.4	16.56
	25	261.6	143.9	20.01	135.3	18.71	128.7	17.17	125.5	17.33	120.2	15.87	114.4	15.34
		327.0	143.9	19.84	135.3	18.54	128.7	17.17	125.5	17.17	120.2	15.87	114.4	15.19
		654.0	143.9	19.16	135.3	17.86	128.7	17.17	125.5	16.56	120.2	15.87	114.4	14.57
		817.5	143.9	19.16	135.3	17.86	128.7	16.56	125.5	16.56	120.2	15.87	114.4	14.57
		981.0	143.9	19.16	135.3	17.86	128.7	16.25	125.5	16.56	120.2	15.87	114.4	14.57
	30	261.6	143.9	18.03	135.3	16.73	128.7	16.04	125.5	15.34	120.2	14.74	114.4	14.06
		327.0	143.9	17.86	135.3	16.56	128.7	15.87	125.5	15.19	120.2	14.57	114.4	13.89
		654.0	143.9	17.17	135.3	15.87	128.7	15.19	125.5	14.57	120.2	13.89	114.4	13.20
		817.5	143.9	17.17	135.3	15.87	128.7	15.19	125.5	14.57	120.2	13.89	114.4	13.20
		981.0	143.9	17.17	135.3	15.87	128.7	15.19	125.5	14.57	120.2	13.89	114.4	13.20
	35	261.6	143.9	15.87	135.3	15.34	128.7	13.89	125.5	14.06	120.2	13.36	114.4	12.76
		327.0	143.9	15.87	135.3	15.19	128.7	13.89	125.5	13.89	120.2	13.20	114.4	12.59
		654.0	143.9	15.87	135.3	14.57	128.7	13.89	125.5	13.20	120.2	12.59	114.4	11.90
		817.5	143.9	15.87	135.3	14.57	128.7	13.20	125.5	13.20	120.2	12.59	114.4	11.90
		981.0	143.9	15.87	135.3	14.57	128.7	12.86	125.5	13.20	120.2	12.59	114.4	11.90
	40	261.6	143.9	14.57	135.3	14.06	128.7	12.59	125.5	12.76	120.2	12.08	114.4	11.22
		327.0	143.9	14.57	135.3	13.89	128.7	12.59	125.5	12.59	120.2	11.90	114.4	11.22
		654.0	143.9	14.57	135.3	13.20	128.7	12.59	125.5	11.90	120.2	11.22	114.4	11.22
		817.5	143.9	14.57	135.3	13.20	128.7	12.59	125.5	11.90	120.2	11.22	114.4	11.22
		981.0	143.9	14.57	135.3	13.20	128.7	12.59	125.5	11.90	120.2	11.22	114.4	11.22
	45	261.6	143.9	13.20	135.3	12.76	128.7	11.22	125.5	11.38	120.2	10.78	114.4	9.75
		327.0	143.9	13.20	135.3	12.59	128.7	11.22	125.5	11.22	120.2	10.60	114.4	9.92
		654.0	143.9	13.20	135.3	11.90	128.7	11.22	125.5	10.60	120.2	9.92	114.4	10.60
		817.5	143.9	13.20	135.3	11.90	128.7	11.90	125.5	10.60	120.2	9.92	114.4	10.60
		981.0	143.9	13.20	135.3	11.90	128.7	12.25	125.5	10.60	120.2	9.92	114.4	10.60
50	-5	261.6	48.0	15.48	45.1	14.65	42.6	13.87	42.0	13.12	41.8	12.31	41.0	11.66
		327.0	49.6	15.80	46.6	14.98	44.0	14.16	43.4	13.41	43.2	12.59	42.4	11.90
		654.0	56.0	17.10	52.6	16.28	49.8	15.32	49.2	14.57	49.0	13.68	48.0	12.86
		817.5	62.0	18.47	58.2	17.51	55.0	16.56	54.4	15.74	54.0	14.71	53.2	13.89
		981.0	65.0	19.16	61.0	18.13	57.6	17.18	57.0	16.32	56.5	15.23	55.8	14.41
	0	261.6	85.6	22.66	79.2	21.50	73.7	20.25	72.1	19.22	71.1	18.08	68.5	17.05
		327.0	86.1	22.71	79.7	21.55	74.1	20.32	72.5	19.29	71.5	18.13	68.9	17.10
		654.0	88.1	22.92	81.5	21.76	75.9	20.59	74.3	19.57	73.3	18.33	70.5	17.31
		817.5	89.5	22.92	82.7	21.76	76.9	20.59	75.5	19.57	74.3	18.33	71.7	17.31
		981.0	90.2	22.92	83.3	21.76	77.4	20.59	76.1	19.57	74.8	18.33	72.3	17.31
	5	261.6	118.3	24.64	112.2	23.34	107.0	22.05	104.4	20.97	99.8	19.69	95.2	18.50
		327.0	118.6	24.77	112.4	23.47	107.0	22.17	104.4	21.07	99.8	19.77	95.2	18.61
		654.0	119.6	25.24	113.2	23.94	107.2	22.64	104.4	21.48	99.8	20.11	95.2	19.02
		817.5	119.6	25.45	113.0	24.15	107.2	22.78	104.4	21.62	99.8	20.32	95.2	19.16
		981.0	119.6	25.55	112.9	24.25	107.2	22.85	104.4	21.69	99.8	20.42	95.2	19.22

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(68HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	261.6	119.1	22.68	112.4	21.36	107.0	20.08	104.4	19.19	99.8	17.74	95.2	16.93
		327.0	119.2	22.64	112.6	21.35	107.0	20.05	104.4	19.16	99.8	17.79	95.2	16.90
		654.0	119.6	22.51	113.2	21.28	107.2	19.91	104.4	19.02	99.8	17.99	95.2	16.76
		817.5	119.6	22.64	113.0	21.35	107.2	19.98	104.4	19.09	99.8	17.72	95.2	16.83
		981.0	119.6	22.71	112.9	21.38	107.2	20.01	104.4	19.12	99.8	17.58	95.2	16.86
	15	261.6	119.6	20.70	113.0	19.31	107.2	18.03	104.4	17.33	99.8	15.87	95.2	15.34
		327.0	119.6	20.52	113.0	19.16	107.2	17.86	104.4	17.17	99.8	15.87	95.2	15.19
		654.0	119.6	19.84	113.0	18.54	107.2	17.17	104.4	16.56	99.8	15.87	95.2	14.57
		817.5	119.6	19.84	113.0	18.54	107.2	17.17	104.4	16.56	99.8	15.19	95.2	14.57
		981.0	119.6	19.84	113.0	18.54	107.2	17.17	104.4	16.56	99.8	14.84	95.2	14.57
	20	261.6	119.6	18.03	113.0	16.73	107.2	16.04	104.4	15.34	99.8	14.74	95.2	13.20
		327.0	119.6	17.86	113.0	16.56	107.2	15.87	104.4	15.19	99.8	14.57	95.2	13.20
		654.0	119.6	17.17	113.0	15.87	107.2	15.19	104.4	14.57	99.8	13.89	95.2	13.20
		817.5	119.6	17.17	113.0	15.87	107.2	15.19	104.4	14.57	99.8	13.89	95.2	13.20
		981.0	119.6	17.17	113.0	15.87	107.2	15.19	104.4	14.57	99.8	13.89	95.2	13.20
	25	261.6	119.6	16.04	113.0	14.57	107.2	14.06	104.4	13.20	99.8	12.59	95.2	11.90
		327.0	119.6	15.87	113.0	14.57	107.2	13.89	104.4	13.20	99.8	12.59	95.2	11.90
		654.0	119.6	15.19	113.0	14.57	107.2	13.20	104.4	13.20	99.8	12.59	95.2	11.90
		817.5	119.6	15.19	113.0	14.57	107.2	13.20	104.4	13.20	99.8	12.59	95.2	11.90
		981.0	119.6	15.19	113.0	14.57	107.2	13.20	104.4	13.20	99.8	12.59	95.2	11.90
	30	261.6	119.6	14.74	113.0	13.36	107.2	12.76	104.4	11.90	99.8	12.08	95.2	11.38
		327.0	119.6	14.57	113.0	13.20	107.2	12.59	104.4	11.90	99.8	11.90	95.2	11.22
		654.0	119.6	13.89	113.0	12.59	107.2	11.90	104.4	11.90	99.8	11.22	95.2	10.60
		817.5	119.6	13.89	113.0	12.59	107.2	11.90	104.4	11.90	99.8	11.22	95.2	10.60
		981.0	119.6	13.89	113.0	12.59	107.2	11.90	104.4	11.90	99.8	11.22	95.2	10.60
	35	261.6	119.6	13.36	113.0	11.90	107.2	11.22	104.4	11.38	99.8	10.60	95.2	9.92
		327.0	119.6	13.20	113.0	11.90	107.2	11.22	104.4	11.22	99.8	10.60	95.2	9.92
		654.0	119.6	12.59	113.0	11.90	107.2	11.22	104.4	10.60	99.8	10.60	95.2	9.92
		817.5	119.6	12.59	113.0	11.90	107.2	11.22	104.4	10.60	99.8	10.60	95.2	9.92
		981.0	119.6	12.59	113.0	11.90	107.2	11.22	104.4	10.60	99.8	10.60	95.2	9.92
	40	261.6	119.6	12.08	113.0	11.38	107.2	10.78	104.4	9.92	99.8	10.09	95.2	9.24
		327.0	119.6	11.90	113.0	11.22	107.2	10.60	104.4	9.92	99.8	9.92	95.2	9.24
		654.0	119.6	11.22	113.0	10.60	107.2	9.92	104.4	9.92	99.8	9.24	95.2	9.24
		817.5	119.6	11.22	113.0	10.60	107.2	9.92	104.4	9.92	99.8	9.24	95.2	9.24
		981.0	119.6	11.22	113.0	10.60	107.2	9.92	104.4	9.92	99.8	9.24	95.2	9.24
	45	261.6	119.6	10.78	113.0	10.95	107.2	10.25	104.4	8.46	99.8	9.56	95.2	8.62
		327.0	119.6	10.60	113.0	10.60	107.2	9.92	104.4	8.62	99.8	9.24	95.2	8.62
		654.0	119.6	9.92	113.0	9.24	107.2	8.62	104.4	9.24	99.8	7.94	95.2	8.62
		817.5	119.6	9.92	113.0	9.24	107.2	8.62	104.4	9.24	99.8	7.94	95.2	8.62
		981.0	119.6	9.92	113.0	9.24	107.2	8.62	104.4	9.24	99.8	7.94	95.2	8.62

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(70HP)

ARWN700LAS4

Combination (%)	Inlet water Temp.(℃)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	269.2	104.3	41.94	103.5	39.49	102.9	36.76	101.5	35.67	102.7	34.74	99.9	31.15
		336.5	107.9	42.67	107.1	40.26	106.5	37.56	105.0	36.46	106.3	35.49	103.4	31.83
		673.0	122.0	45.57	121.0	43.30	120.4	40.74	118.8	39.57	120.2	38.46	117.1	34.53
		841.3	135.0	48.47	133.7	46.26	132.9	43.92	131.3	42.74	132.9	41.50	129.4	37.22
		1009.5	141.5	49.94	140.1	47.76	139.2	45.52	137.6	44.34	139.3	43.03	135.6	38.58
	0	269.2	186.3	57.36	182.1	55.65	178.2	53.84	174.3	52.32	175.0	50.89	167.0	45.57
		336.5	187.5	57.52	183.2	55.79	179.3	54.00	175.4	52.48	176.0	51.03	168.0	45.71
		673.0	192.0	58.14	187.3	56.35	183.4	54.62	179.5	53.10	180.1	51.58	172.1	46.26
		841.3	194.9	58.14	190.1	56.35	186.2	54.62	182.1	53.10	182.8	51.58	174.6	46.26
		1009.5	196.3	58.14	191.6	56.35	187.7	54.62	183.5	53.10	184.1	51.58	175.8	46.26
	5	269.2	268.4	61.66	264.3	60.14	258.8	58.60	252.3	56.95	245.5	55.38	232.0	49.59
		336.5	269.3	61.94	264.8	60.42	258.9	58.90	252.3	57.24	245.5	55.66	232.0	49.86
		673.0	273.0	63.04	266.7	61.53	259.1	60.08	252.3	58.42	245.5	56.76	232.0	50.89
		841.3	274.7	63.46	267.5	61.94	259.1	60.49	252.3	58.83	245.5	57.17	232.0	51.24
		1009.5	275.5	63.67	267.9	62.15	259.1	60.70	252.3	59.04	245.5	57.38	232.0	51.41
	10	269.2	268.7	56.11	264.4	54.22	258.0	53.20	251.3	52.01	244.6	50.24	231.1	45.33
		336.5	270.3	56.00	265.6	54.27	259.1	53.31	252.3	52.00	245.5	50.20	232.0	45.30
		673.0	276.7	55.59	270.5	54.48	263.2	53.72	256.4	51.93	249.2	50.06	235.7	45.16
		841.3	278.1	56.35	272.4	55.24	264.8	53.93	257.6	52.13	250.9	50.89	237.1	47.30
		1009.5	278.9	56.73	273.3	55.62	265.6	54.03	258.2	52.24	251.7	51.31	237.8	48.38
	15	269.2	269.1	50.57	264.4	48.41	257.0	47.89	250.2	47.10	243.7	45.09	230.1	41.09
		336.5	271.4	50.06	266.4	48.20	259.1	47.78	252.3	46.75	245.5	44.75	232.0	40.74
		673.0	280.2	48.06	274.4	47.37	267.3	47.37	260.5	45.37	252.9	43.36	239.4	39.36
		841.3	281.6	49.23	277.1	48.47	270.5	47.37	263.2	45.37	256.4	44.61	242.2	43.36
		1009.5	282.3	49.83	278.5	49.03	272.2	47.37	264.5	45.37	258.2	45.23	243.7	45.38
	20	269.2	279.4	46.39	274.3	44.23	267.0	43.26	259.7	41.88	252.1	40.94	237.1	39.69
		336.5	281.6	46.06	276.5	44.19	269.1	43.23	261.7	42.05	254.3	41.22	239.4	39.36
		673.0	290.4	44.75	285.3	44.06	277.3	43.09	269.9	42.74	263.2	42.33	248.2	38.05
		841.3	291.7	44.75	287.4	44.06	280.6	43.36	272.6	42.74	265.2	42.33	250.2	40.46
		1009.5	292.3	44.75	288.4	44.06	282.3	43.50	273.9	42.74	266.2	42.33	251.3	41.68
	25	269.2	295.0	44.23	287.4	42.95	280.6	42.23	275.3	41.52	269.1	40.91	253.7	38.22
		336.5	295.0	44.06	287.4	42.88	280.6	42.05	275.3	41.36	269.1	40.74	253.7	38.05
		673.0	295.0	43.36	287.4	42.60	280.6	41.36	275.3	40.74	269.1	40.05	253.7	37.36
		841.3	295.0	42.74	287.4	41.50	280.6	40.74	275.3	40.05	269.1	39.36	253.7	36.74
		1009.5	295.0	42.43	287.4	40.94	280.6	40.43	275.3	39.70	269.1	39.01	253.7	36.42
	30	269.2	295.0	43.09	287.4	40.95	280.6	40.57	275.3	39.52	269.1	39.09	253.7	36.38
		336.5	295.0	42.74	287.4	40.88	280.6	40.33	275.3	39.36	269.1	38.74	253.7	36.05
		673.0	295.0	41.36	287.4	40.60	280.6	39.36	275.3	38.74	269.1	37.36	253.7	34.73
		841.3	295.0	40.74	287.4	39.50	280.6	38.74	275.3	38.05	269.1	37.36	253.7	34.73
		1009.5	295.0	40.43	287.4	38.94	280.6	38.42	275.3	37.70	269.1	37.36	253.7	34.73
	35	269.2	295.0	41.09	287.4	39.72	280.6	38.91	275.3	37.51	269.1	36.22	253.7	33.68
		336.5	295.0	40.74	287.4	39.50	280.6	38.74	275.3	37.36	269.1	36.05	253.7	33.35
		673.0	295.0	39.36	287.4	38.60	280.6	38.05	275.3	36.74	269.1	35.35	253.7	32.04
		841.3	295.0	39.36	287.4	38.19	280.6	37.36	275.3	36.05	269.1	34.73	253.7	32.04
		1009.5	295.0	39.36	287.4	37.98	280.6	37.01	275.3	35.70	269.1	34.42	253.7	32.04
	40	269.2	295.0	39.69	287.4	38.43	280.6	37.69	275.3	36.38	269.1	35.08	253.7	31.68
		336.5	295.0	39.36	287.4	38.19	280.6	37.36	275.3	36.05	269.1	34.73	253.7	31.35
		673.0	295.0	38.05	287.4	37.22	280.6	36.05	275.3	34.73	269.1	33.35	253.7	30.04
		841.3	295.0	37.36	287.4	36.60	280.6	36.05	275.3	34.73	269.1	33.35	253.7	30.04
		1009.5	295.0	37.01	287.4	36.28	280.6	36.05	275.3	34.73	269.1	33.35	253.7	30.04
	45	269.2	295.0	38.38	287.4	37.12	280.6	36.55	275.3	35.24	269.1	33.86	253.7	29.68
		336.5	295.0	38.05	287.4	36.87	280.6	36.05	275.3	34.73	269.1	33.35	253.7	29.35
		673.0	295.0	36.74	287.4	35.91	280.6	34.04	275.3	32.73	269.1	31.35	253.7	28.04
		841.3	295.0	35.35	287.4	35.01	280.6	34.73	275.3	33.35	269.1	32.04	253.7	28.04
		1009.5	295.0	34.66	287.4	34.56	280.6	35.08	275.3	33.67	269.1	32.39	253.7	28.04
120	-5	269.2	99.1	41.94	98.4	39.49	97.8	36.76	96.6	35.21	97.3	34.19	94.8	30.60
		336.5	102.6	42.67	101.7	40.26	101.1	37.56	99.9	35.98	100.7	34.94	98.0	31.28
		673.0	116.1	45.57	115.1	43.30	114.5	40.74	113.0	39.01	114.0	37.91	111.0	33.97
		841.3	128.2	48.47	127.2	46.26	126.4	43.92	124.9	42.12	125.9	40.88	122.5	36.60
		1009.5	134.3	49.94	133.3	47.76	132.3	45.52	130.9	43.69	131.9	42.37	128.2	37.92
	0	269.2	177.2	57.36	172.9	55.65	169.2	53.84	165.8	51.56	165.8	50.13	158.2	44.81
		336.5	178.2	57.52	173.9	55.79	170.2	54.00	166.8	51.72	166.8	50.27	159.2	44.95
		673.0	182.3	58.14	178.0	56.35	174.3	54.62	170.7	52.34	170.7	50.82	163.1	45.51
		841.3	185.2	58.14	180.9	56.35	177.0	54.62	173.3	52.34	173.1	50.82	165.5	45.51
		1009.5	186.7	58.14	182.4	56.35	178.4	54.62	174.7	52.34	174.4	50.82	166.8	45.51

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	269.2	255.5	61.66	251.6	60.14	246.1	58.60	240.2	56.12	232.6	54.55	219.9	48.85
		336.5	256.4	61.94	252.1	60.42	246.1	58.90	240.2	56.42	232.6	54.83	219.9	49.10
		673.0	260.1	63.04	253.9	61.53	246.1	60.08	240.2	57.59	232.6	55.93	219.9	50.06
		841.3	261.5	63.46	252.5	61.94	246.1	60.49	240.2	58.00	232.6	56.35	219.9	50.41
		1009.5	262.2	63.67	251.8	62.15	246.1	60.70	240.2	58.21	232.6	56.55	219.9	50.58
	10	269.2	256.4	55.39	251.7	53.86	245.5	52.77	239.5	51.17	232.0	49.48	219.3	44.49
		336.5	257.6	55.59	252.7	54.07	246.1	52.96	240.2	51.24	232.6	49.44	219.9	44.54
		673.0	262.3	56.35	256.8	54.90	248.8	53.72	242.9	51.51	235.1	49.30	222.1	44.75
		841.3	263.8	56.14	256.0	54.90	249.8	53.93	243.9	51.72	236.1	49.51	223.2	46.26
		1009.5	264.5	56.03	255.6	54.90	250.3	54.03	244.4	51.82	236.6	49.61	223.7	47.03
	15	269.2	257.1	49.13	252.0	47.68	244.7	46.94	238.8	46.23	231.4	44.39	218.7	40.22
		336.5	258.7	49.23	253.5	47.78	246.1	47.02	240.2	46.06	232.6	44.06	219.9	40.05
		673.0	264.6	49.65	259.7	48.20	251.7	47.37	245.5	45.37	237.3	42.74	224.6	39.36
		841.3	266.0	48.89	259.5	47.78	253.7	47.37	247.6	45.37	239.4	42.74	226.7	42.05
		1009.5	266.8	48.51	259.4	47.58	254.8	47.37	248.6	45.37	240.4	42.74	227.7	43.41
	20	269.2	264.3	44.19	259.4	42.31	251.5	41.19	244.6	40.58	236.6	40.08	223.9	38.05
		336.5	266.0	44.19	260.9	42.47	252.9	41.36	246.1	40.74	238.1	40.05	225.2	37.91
		673.0	272.8	44.19	267.1	43.09	258.4	42.05	252.3	41.36	244.1	39.91	230.6	37.36
		841.3	274.0	43.78	266.9	42.74	260.5	42.05	253.7	41.36	245.5	40.05	232.0	38.74
		1009.5	274.7	43.57	266.8	42.57	261.5	42.05	254.5	41.36	246.2	40.12	232.7	39.43
	25	269.2	277.2	41.80	269.1	39.84	260.5	39.08	255.0	38.22	248.2	37.51	234.7	34.91
		336.5	277.3	41.64	269.1	39.77	260.5	39.01	255.0	38.05	248.2	37.36	234.7	34.73
		673.0	277.9	41.02	269.1	39.50	260.5	38.74	255.0	37.36	248.2	36.74	234.7	34.04
		841.3	278.8	39.50	269.1	38.46	260.5	38.05	255.0	37.36	248.2	36.05	234.7	34.04
		1009.5	279.2	38.73	269.1	37.94	260.5	37.70	255.0	37.36	248.2	35.70	234.7	34.04
	30	269.2	278.8	39.97	269.1	38.00	260.5	36.91	255.0	35.51	248.2	35.08	234.7	32.21
		336.5	278.8	39.64	269.1	37.77	260.5	36.74	255.0	35.35	248.2	34.73	234.7	32.04
		673.0	278.8	38.32	269.1	36.87	260.5	36.05	255.0	34.73	248.2	33.35	234.7	31.35
		841.3	278.8	37.08	269.1	36.05	260.5	35.35	255.0	34.73	248.2	33.35	234.7	30.73
		1009.5	278.8	36.45	269.1	35.63	260.5	35.01	255.0	34.73	248.2	33.35	234.7	30.41
	35	269.2	278.8	38.17	269.1	36.10	260.5	35.08	255.0	33.68	248.2	32.37	234.7	29.50
		336.5	278.8	37.63	269.1	35.77	260.5	34.73	255.0	33.35	248.2	32.04	234.7	29.35
		673.0	278.8	35.49	269.1	34.46	260.5	33.35	255.0	32.04	248.2	30.73	234.7	28.73
		841.3	278.8	35.08	269.1	34.18	260.5	33.35	255.0	32.04	248.2	30.73	234.7	28.04
		1009.5	278.8	34.87	269.1	34.04	260.5	33.35	255.0	32.04	248.2	30.73	234.7	27.69
	40	269.2	278.8	37.04	269.1	34.44	260.5	33.08	255.0	31.68	248.2	30.37	234.7	27.50
		336.5	278.8	36.32	269.1	34.04	260.5	32.73	255.0	31.35	248.2	30.04	234.7	27.34
		673.0	278.8	33.49	269.1	32.45	260.5	31.35	255.0	30.04	248.2	28.73	234.7	26.72
		841.3	278.8	33.08	269.1	32.04	260.5	31.35	255.0	30.04	248.2	28.73	234.7	26.03
		1009.5	278.8	32.87	269.1	31.83	260.5	31.35	255.0	30.04	248.2	28.73	234.7	25.68
	45	269.2	278.8	35.90	269.1	32.79	260.5	31.08	255.0	29.68	248.2	28.37	234.7	25.50
		336.5	278.8	35.01	269.1	32.32	260.5	30.73	255.0	29.35	248.2	28.04	234.7	25.34
		673.0	278.8	31.49	269.1	30.45	260.5	29.35	255.0	28.04	248.2	26.72	234.7	24.72
		841.3	278.8	31.07	269.1	29.90	260.5	29.35	255.0	28.04	248.2	26.72	234.7	24.03
		1009.5	278.8	30.86	269.1	29.62	260.5	29.35	255.0	28.04	248.2	26.72	234.7	23.68
110	-5	269.2	93.8	42.49	93.2	39.49	92.6	36.76	91.6	35.21	91.9	34.19	89.8	30.60
		336.5	97.0	43.23	96.4	40.26	95.8	37.56	94.8	35.98	95.0	34.94	92.9	31.28
		673.0	109.7	46.13	109.1	43.30	108.5	40.74	107.3	39.01	107.3	37.91	105.2	33.97
		841.3	121.2	49.10	120.4	46.26	119.8	43.92	118.6	42.12	118.6	40.88	116.1	36.60
		1009.5	127.0	50.59	126.1	47.76	125.5	45.52	124.2	43.69	124.2	42.37	121.6	37.92
	0	269.2	167.6	58.14	163.9	55.65	160.5	53.84	157.4	51.56	156.0	50.13	150.1	44.81
		336.5	168.6	58.28	164.9	55.79	161.4	54.00	158.3	51.72	156.9	50.27	151.0	44.95
		673.0	172.5	58.83	168.8	56.35	165.1	54.62	162.0	52.34	160.6	50.82	154.5	45.51
		841.3	175.2	58.83	171.5	56.35	167.8	54.62	164.5	52.34	163.1	50.82	156.7	45.51
		1009.5	176.5	58.83	172.8	56.35	169.1	54.62	165.7	52.34	164.3	50.82	157.8	45.51
	5	269.2	244.5	62.49	238.7	60.14	233.2	58.60	227.9	56.12	219.1	54.55	208.4	48.85
		336.5	245.3	62.77	239.2	60.42	233.2	58.90	227.9	56.42	219.1	54.83	208.4	49.10
		673.0	248.6	63.87	241.0	61.53	233.4	60.08	227.9	57.59	219.1	55.93	208.4	50.06
		841.3	250.0	64.29	241.6	61.94	233.4	60.49	227.9	58.00	219.1	56.35	208.4	50.41
		1009.5	250.8	64.50	241.9	62.15	233.4	60.70	227.9	58.21	219.1	56.55	208.4	50.58
	10	269.2	245.4	56.03	239.4	54.12	232.9	52.94	227.5	51.17	218.7	49.48	208.1	44.49
		336.5	246.3	56.14	240.0	54.27	233.2	53.10	227.9	51.24	219.1	49.44	208.4	44.54
		673.0	250.0	56.55	242.4	54.90	234.7	53.72	229.3	51.51	220.5	49.30	209.4	44.75
		841.3	251.5	56.55	243.5	54.90	235.5	53.58	229.7	51.37	220.9	49.51	210.0	45.23
		1009.5	252.2	56.55	244.0	54.90	235.9	53.51	229.9	51.30	221.1	49.61	210.3	45.47

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	269.2	246.1	49.58	239.7	48.20	232.7	47.37	227.2	46.23	218.3	44.39	207.9	40.22
		336.5	247.2	49.51	240.6	48.20	233.4	47.37	227.9	46.06	219.1	44.06	208.4	40.05
		673.0	251.3	49.23	244.1	48.20	236.1	47.37	230.6	45.37	221.9	42.74	210.4	39.36
		841.3	252.7	48.89	245.3	47.78	237.3	46.75	231.4	44.75	222.6	42.74	211.7	40.05
		1009.5	253.4	48.71	245.9	47.58	237.9	46.43	231.8	44.43	222.9	42.74	212.3	40.40
	20	269.2	250.7	42.79	243.9	41.78	236.0	40.74	229.7	40.05	221.3	38.91	209.6	36.39
		336.5	252.1	42.88	244.7	41.78	236.7	40.74	230.6	40.05	221.9	38.74	210.4	36.32
		673.0	257.4	43.23	248.0	41.78	239.4	40.74	234.0	40.05	224.6	38.05	213.7	36.05
		841.3	258.9	43.23	250.0	41.78	240.8	40.74	234.7	39.36	225.8	38.05	214.3	36.05
		1009.5	259.6	43.23	251.1	41.78	241.5	40.74	235.0	39.01	226.5	38.05	214.7	36.05
	25	269.2	258.5	38.95	250.9	37.51	240.8	36.91	235.5	35.51	227.3	34.22	215.2	31.35
		336.5	259.1	38.88	250.9	37.36	240.8	36.74	235.5	35.35	227.3	34.04	215.2	31.35
		673.0	261.1	38.60	250.9	36.74	240.8	36.05	235.5	34.73	227.3	33.35	215.2	31.35
		841.3	262.3	38.60	250.9	36.87	240.8	35.35	235.5	34.73	227.3	32.73	215.2	30.73
		1009.5	263.0	38.60	250.9	36.94	240.8	35.01	235.5	34.73	227.3	32.42	215.2	30.41
	30	269.2	262.3	35.51	250.9	34.22	240.8	32.90	235.5	32.21	227.3	30.21	215.2	28.21
		336.5	262.3	35.35	250.9	34.04	240.8	32.73	235.5	32.04	227.3	30.04	215.2	28.04
		673.0	262.3	34.73	250.9	33.35	240.8	32.04	235.5	31.35	227.3	29.35	215.2	27.34
		841.3	262.3	34.46	250.9	32.73	240.8	31.35	235.5	30.73	227.3	29.35	215.2	27.34
		1009.5	262.3	34.32	250.9	32.42	240.8	31.00	235.5	30.41	227.3	29.35	215.2	27.34
	35	269.2	262.3	33.68	250.9	31.51	240.8	30.21	235.5	28.90	227.3	27.50	215.2	25.50
		336.5	262.3	33.35	250.9	31.35	240.8	30.04	235.5	28.73	227.3	27.34	215.2	25.34
		673.0	262.3	32.04	250.9	30.73	240.8	29.35	235.5	28.04	227.3	26.72	215.2	24.72
		841.3	262.3	31.21	250.9	30.04	240.8	28.73	235.5	28.04	227.3	26.72	215.2	24.72
		1009.5	262.3	30.79	250.9	29.69	240.8	28.41	235.5	28.04	227.3	26.72	215.2	24.72
	40	269.2	262.3	31.68	250.9	30.37	240.8	28.37	235.5	26.90	227.3	25.50	215.2	23.50
		336.5	262.3	31.35	250.9	30.04	240.8	28.04	235.5	26.72	227.3	25.34	215.2	23.34
		673.0	262.3	30.04	250.9	28.73	240.8	26.72	235.5	26.03	227.3	24.72	215.2	22.72
		841.3	262.3	29.62	250.9	28.04	240.8	26.72	235.5	25.34	227.3	24.03	215.2	22.03
		1009.5	262.3	29.41	250.9	27.69	240.8	26.72	235.5	24.99	227.3	23.68	215.2	21.68
	45	269.2	262.3	29.68	250.9	29.23	240.8	26.54	235.5	24.89	227.3	23.50	215.2	21.49
		336.5	262.3	29.35	250.9	28.73	240.8	26.03	235.5	24.72	227.3	23.34	215.2	21.34
		673.0	262.3	28.04	250.9	26.72	240.8	24.03	235.5	24.03	227.3	22.72	215.2	20.72
		841.3	262.3	28.04	250.9	26.03	240.8	24.72	235.5	22.72	227.3	21.34	215.2	19.33
		1009.5	262.3	28.04	250.9	25.68	240.8	25.07	235.5	22.06	227.3	20.64	215.2	18.64
100	-5	269.2	88.6	42.49	88.0	40.04	87.7	36.76	86.9	35.21	86.1	33.64	84.4	30.60
		336.5	91.7	43.23	91.1	40.81	90.7	37.56	89.8	35.98	89.0	34.39	87.4	31.28
		673.0	103.8	46.13	103.2	43.85	102.6	40.74	101.5	39.01	100.7	37.36	99.1	33.97
		841.3	114.7	49.10	113.8	46.89	113.2	43.92	112.2	42.12	111.4	40.26	109.3	36.60
		1009.5	120.1	50.59	119.2	48.42	118.6	45.52	117.6	43.69	116.8	41.72	114.5	37.92
	0	269.2	158.4	58.14	155.0	56.41	151.7	53.84	149.1	51.56	146.4	49.37	141.3	44.81
		336.5	159.4	58.28	155.9	56.55	152.6	54.00	149.9	51.72	147.3	49.51	142.1	44.95
		673.0	163.1	58.83	159.6	57.11	156.1	54.62	153.4	52.34	150.8	50.06	145.4	45.51
		841.3	165.5	58.83	162.0	57.11	158.6	54.62	155.7	52.34	153.0	50.06	147.7	45.51
		1009.5	166.8	58.83	163.3	57.11	159.8	54.62	156.8	52.34	154.2	50.06	148.8	45.51
	5	269.2	233.8	62.49	226.0	60.97	220.2	58.60	215.8	56.12	205.5	53.72	196.1	48.85
		336.5	234.7	62.77	226.4	61.25	220.3	58.90	215.8	56.42	205.5	54.00	196.1	49.10
		673.0	237.9	63.87	228.1	62.35	220.5	60.08	215.8	57.59	205.5	55.10	196.1	50.06
		841.3	239.4	64.29	228.7	62.77	220.5	60.49	215.8	58.00	205.5	55.45	196.1	50.41
		1009.5	240.1	64.50	229.0	62.98	220.5	60.70	215.8	58.21	205.5	55.62	196.1	50.58
	10	269.2	235.1	55.88	226.8	54.65	220.5	52.94	215.8	51.17	205.5	48.63	196.1	44.49
		336.5	235.7	56.14	227.1	54.83	220.5	53.10	215.8	51.24	205.5	48.68	196.1	44.54
		673.0	237.9	57.17	228.3	55.52	220.5	53.72	215.8	51.51	205.5	48.89	196.1	44.75
		841.3	239.6	56.97	229.3	55.52	220.5	53.58	215.8	51.37	205.5	48.75	196.1	44.54
		1009.5	240.4	56.86	229.8	55.52	220.5	53.51	215.8	51.30	205.5	48.68	196.1	44.43
	15	269.2	236.4	49.27	227.7	48.44	220.5	47.37	215.8	46.23	205.5	43.52	196.1	40.22
		336.5	236.7	49.51	227.9	48.47	220.5	47.37	215.8	46.06	205.5	43.36	196.1	40.05
		673.0	237.9	50.48	228.5	48.61	220.5	47.37	215.8	45.37	205.5	42.74	196.1	39.36
		841.3	240.0	49.65	229.7	48.20	220.5	46.75	215.8	44.75	205.5	42.05	196.1	38.74
		1009.5	241.0	49.23	230.4	47.99	220.5	46.43	215.8	44.43	205.5	41.70	196.1	38.42
	20	269.2	237.7	42.14	229.0	41.05	220.5	40.05	215.8	39.52	205.5	36.91	196.1	35.08
		336.5	238.6	42.33	229.1	41.09	220.5	40.05	215.8	39.36	205.5	36.74	196.1	34.73
		673.0	242.0	43.09	229.7	41.22	220.5	40.05	215.8	38.74	205.5	36.05	196.1	33.35
		841.3	243.5	42.33	231.8	40.88	220.5	39.36	215.8	38.05	205.5	35.35	196.1	32.73
		1009.5	244.2	41.95	232.8	40.70	220.5	39.01	215.8	37.70	205.5	35.01	196.1	32.42

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	269.2	240.5	36.84	232.6	35.68	220.5	34.22	215.8	32.90	205.5	30.90	196.1	28.04
		336.5	241.4	36.87	232.6	35.49	220.5	34.04	215.8	32.73	205.5	30.73	196.1	28.04
		673.0	244.9	37.01	232.6	34.73	220.5	33.35	215.8	32.04	205.5	30.04	196.1	28.04
		841.3	246.1	36.18	232.6	34.46	220.5	32.73	215.8	31.35	205.5	30.04	196.1	27.34
		1009.5	246.8	35.77	232.6	34.32	220.5	32.42	215.8	31.00	205.5	30.04	196.1	27.00
	30	269.2	246.1	33.51	232.6	30.90	220.5	28.80	215.8	28.21	205.5	26.03	196.1	24.89
		336.5	246.1	33.35	232.6	30.73	220.5	28.73	215.8	28.04	205.5	26.03	196.1	24.72
		673.0	246.1	32.73	232.6	30.04	220.5	28.45	215.8	27.34	205.5	26.03	196.1	24.03
		841.3	246.1	32.04	232.6	30.04	220.5	28.04	215.8	27.34	205.5	25.34	196.1	24.03
		1009.5	246.1	31.69	232.6	30.04	220.5	27.83	215.8	27.34	205.5	24.99	196.1	24.03
	35	269.2	246.1	31.08	232.6	28.37	220.5	25.41	215.8	24.89	205.5	23.50	196.1	21.49
		336.5	246.1	30.73	232.6	28.04	220.5	25.34	215.8	24.72	205.5	23.34	196.1	21.34
		673.0	246.1	29.35	232.6	26.72	220.5	25.07	215.8	24.03	205.5	22.72	196.1	20.72
		841.3	246.1	29.35	232.6	26.72	220.5	24.72	215.8	24.03	205.5	22.72	196.1	20.72
		1009.5	246.1	29.35	232.6	26.72	220.5	24.55	215.8	24.03	205.5	22.72	196.1	20.72
	40	269.2	246.1	29.07	232.6	26.36	220.5	22.79	215.8	22.20	205.5	20.89	196.1	19.49
		336.5	246.1	28.73	232.6	26.03	220.5	22.72	215.8	22.03	205.5	20.72	196.1	19.33
		673.0	246.1	27.34	232.6	24.72	220.5	22.44	215.8	21.34	205.5	20.03	196.1	18.71
		841.3	246.1	26.72	232.6	24.72	220.5	22.03	215.8	21.34	205.5	20.03	196.1	18.71
		1009.5	246.1	26.41	232.6	24.72	220.5	21.82	215.8	21.34	205.5	20.03	196.1	18.71
	45	269.2	246.1	27.07	232.6	24.36	220.5	20.09	215.8	19.49	205.5	18.20	196.1	17.49
		336.5	246.1	26.72	232.6	24.03	220.5	20.03	215.8	19.33	205.5	18.02	196.1	17.33
		673.0	246.1	25.34	232.6	22.72	220.5	19.75	215.8	18.71	205.5	17.33	196.1	16.71
		841.3	246.1	24.03	232.6	22.72	220.5	19.33	215.8	18.71	205.5	17.33	196.1	16.71
		1009.5	246.1	23.37	232.6	22.72	220.5	19.13	215.8	18.71	205.5	17.33	196.1	16.71
90	-5	269.2	83.7	39.44	81.1	35.92	78.7	31.55	78.1	30.07	77.5	28.98	76.2	26.01
		336.5	86.6	40.12	83.9	36.60	81.4	32.25	80.8	30.73	80.2	29.62	78.8	26.58
		673.0	98.0	42.81	95.0	39.29	92.1	35.01	91.5	33.35	90.9	32.18	89.0	28.86
		841.3	108.3	45.51	104.8	42.05	101.7	37.77	100.9	35.98	100.3	34.66	98.5	31.14
		1009.5	113.5	46.86	109.8	43.44	106.6	39.16	105.7	37.30	105.1	35.92	103.2	32.29
	0	269.2	149.7	53.72	142.8	50.41	136.2	46.28	134.2	44.14	131.9	42.48	127.0	38.15
		336.5	150.6	53.86	143.6	50.55	137.0	46.40	135.0	44.26	132.7	42.60	127.8	38.25
		673.0	154.0	54.41	146.9	51.10	140.3	46.89	138.0	44.75	135.8	43.09	130.9	38.67
		841.3	156.3	54.41	149.1	51.10	142.6	46.89	140.1	44.75	138.0	43.09	132.9	38.67
		1009.5	157.4	54.41	150.3	51.10	143.7	46.89	141.1	44.75	139.2	43.09	133.9	38.67
	5	269.2	211.5	57.67	204.7	54.43	198.1	50.37	194.0	48.02	185.4	46.23	176.6	41.50
		336.5	211.7	57.93	204.5	54.69	198.1	50.61	194.0	48.27	185.4	46.47	176.6	41.71
		673.0	212.5	58.97	203.9	55.72	198.1	51.58	194.0	49.23	185.4	47.44	176.6	42.54
		841.3	213.7	59.32	204.5	56.07	198.1	52.00	194.0	49.58	185.4	47.78	176.6	42.88
		1009.5	214.4	59.49	204.8	56.24	198.1	52.20	194.0	49.75	185.4	47.96	176.6	43.06
	10	269.2	212.6	50.93	205.4	48.42	198.1	45.59	194.0	43.73	185.4	41.95	176.6	37.81
		336.5	212.5	50.96	205.1	48.47	198.1	45.64	194.0	43.78	185.4	41.91	176.6	37.84
		673.0	212.1	51.10	204.1	48.68	198.1	45.85	194.0	43.99	185.4	41.78	176.6	37.98
		841.3	213.5	50.96	204.7	48.54	198.1	45.71	194.0	43.85	185.4	41.91	176.6	38.12
		1009.5	214.2	50.89	205.0	48.47	198.1	45.64	194.0	43.78	185.4	41.98	176.6	38.19
	15	269.2	213.7	44.09	206.1	42.50	198.1	40.91	194.0	39.52	185.4	37.69	176.6	34.22
		336.5	213.3	43.92	205.7	42.33	198.1	40.74	194.0	39.36	185.4	37.36	176.6	34.04
		673.0	211.9	43.23	204.3	41.64	198.1	40.05	194.0	38.74	185.4	36.05	176.6	33.35
		841.3	213.3	42.60	204.9	41.02	198.1	39.36	194.0	38.05	185.4	36.05	176.6	33.35
		1009.5	214.0	42.29	205.2	40.70	198.1	39.01	194.0	37.70	185.4	36.05	176.6	33.35
	20	269.2	215.0	37.22	207.0	36.15	198.1	34.91	194.0	33.51	185.4	32.37	176.6	30.37
		336.5	214.8	37.22	206.6	36.05	198.1	34.73	194.0	33.35	185.4	32.04	176.6	30.04
		673.0	213.9	37.22	204.9	35.63	198.1	34.04	194.0	32.73	185.4	30.73	176.6	28.73
		841.3	214.6	36.60	205.5	35.35	198.1	34.04	194.0	32.73	185.4	30.73	176.6	28.73
		1009.5	214.9	36.28	205.8	35.22	198.1	34.04	194.0	32.73	185.4	30.73	176.6	28.73
	25	269.2	218.5	32.52	209.6	30.80	198.1	29.50	194.0	28.04	185.4	26.90	176.6	24.89
		336.5	219.1	32.45	209.6	30.73	198.1	29.35	194.0	28.04	185.4	26.72	176.6	24.72
		673.0	221.1	32.18	209.6	30.45	198.1	28.73	194.0	28.04	185.4	26.03	176.6	24.03
		841.3	221.9	31.35	209.6	29.76	198.1	28.73	194.0	27.34	185.4	26.03	176.6	24.03
		1009.5	222.3	30.93	209.6	29.41	198.1	28.73	194.0	27.00	185.4	26.03	176.6	24.03
	30	269.2	221.9	29.50	209.6	27.50	198.1	25.50	194.0	24.89	185.4	23.50	176.6	21.34
		336.5	221.9	29.35	209.6	27.34	198.1	25.34	194.0	24.72	185.4	23.34	176.6	21.34
		673.0	221.9	28.73	209.6	26.72	198.1	24.72	194.0	24.03	185.4	22.72	176.6	21.34
		841.3	221.9	28.04	209.6	26.03	198.1	24.72	194.0	24.03	185.4	22.72	176.6	20.72
		1009.5	221.9	27.69	209.6	25.68	198.1	24.72	194.0	24.03	185.4	22.72	176.6	20.40

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	269.2	221.9	26.90	209.6	24.89	198.1	22.89	194.0	22.20	185.4	20.89	176.6	19.49
		336.5	221.9	26.72	209.6	24.72	198.1	22.72	194.0	22.03	185.4	20.72	176.6	19.33
		673.0	221.9	26.03	209.6	24.03	198.1	22.03	194.0	21.34	185.4	20.03	176.6	18.71
		841.3	221.9	25.34	209.6	23.34	198.1	21.34	194.0	20.72	185.4	20.03	176.6	18.71
		1009.5	221.9	24.99	209.6	22.99	198.1	20.99	194.0	20.40	185.4	20.03	176.6	18.71
	40	269.2	221.9	25.07	209.6	22.89	198.1	20.20	194.0	19.49	185.4	18.89	176.6	17.49
		336.5	221.9	24.72	209.6	22.72	198.1	20.03	194.0	19.33	185.4	18.71	176.6	17.33
		673.0	221.9	23.34	209.6	22.03	198.1	19.33	194.0	18.71	185.4	18.02	176.6	16.71
		841.3	221.9	23.34	209.6	22.03	198.1	19.33	194.0	18.71	185.4	18.02	176.6	16.71
		1009.5	221.9	23.34	209.6	22.03	198.1	19.33	194.0	18.71	185.4	18.02	176.6	16.71
	45	269.2	221.9	23.22	209.6	20.89	198.1	17.49	194.0	16.88	185.4	16.88	176.6	15.49
		336.5	221.9	22.72	209.6	20.72	198.1	17.33	194.0	16.71	185.4	16.71	176.6	15.33
		673.0	221.9	20.72	209.6	20.03	198.1	16.71	194.0	16.02	185.4	16.02	176.6	14.71
		841.3	221.9	21.34	209.6	20.72	198.1	17.33	194.0	16.71	185.4	16.02	176.6	14.71
		1009.5	221.9	21.65	209.6	21.06	198.1	17.65	194.0	17.06	185.4	16.02	176.6	14.71
80	-5	269.2	79.1	28.10	74.2	27.03	70.2	25.89	69.4	25.01	69.0	23.85	67.6	21.97
		336.5	81.8	28.73	76.7	27.62	72.6	26.45	71.8	25.55	71.4	24.38	69.9	22.44
		673.0	92.5	31.21	86.8	29.97	82.0	28.66	81.2	27.69	80.8	26.45	79.2	24.31
		841.3	102.4	33.63	95.8	32.32	90.7	30.94	89.6	29.90	89.2	28.52	87.4	26.24
		1009.5	107.3	34.85	100.3	33.50	95.0	32.08	93.9	31.01	93.5	29.56	91.5	27.21
	0	269.2	141.3	41.24	130.3	39.58	121.3	37.94	119.1	36.63	117.4	34.90	113.0	32.16
		336.5	142.1	41.36	131.1	39.70	122.0	38.05	119.8	36.74	118.1	35.01	113.6	32.25
		673.0	145.6	41.85	134.1	40.19	124.9	38.46	122.7	37.15	121.0	35.42	116.3	32.59
		841.3	147.7	41.85	136.2	40.19	127.0	38.46	124.5	37.15	122.9	35.42	118.1	32.59
		1009.5	148.7	41.85	137.2	40.19	128.0	38.46	125.4	37.15	123.8	35.42	119.1	32.59
	5	269.2	195.5	44.85	184.4	43.16	176.3	41.20	172.5	39.84	165.1	37.99	156.9	34.96
		336.5	195.9	45.09	184.8	43.36	176.4	41.43	172.5	40.05	165.1	38.19	156.9	35.15
		673.0	197.5	46.06	186.2	44.19	176.6	42.33	172.5	40.88	165.1	38.95	156.9	35.91
		841.3	197.5	46.33	186.0	44.54	176.6	42.60	172.5	41.15	165.1	39.22	156.9	36.11
		1009.5	197.5	46.47	185.9	44.71	176.6	42.74	172.5	41.29	165.1	39.36	156.9	36.22
	10	269.2	196.5	41.28	185.2	39.41	176.3	37.41	172.5	36.37	165.1	34.44	156.9	31.88
		336.5	196.7	41.22	185.4	39.36	176.4	37.43	172.5	36.39	165.1	34.46	156.9	31.90
		673.0	197.5	41.02	186.2	39.15	176.6	37.50	172.5	36.46	165.1	34.53	156.9	31.97
		841.3	197.5	40.88	186.0	39.29	176.6	37.63	172.5	36.25	165.1	34.32	156.9	31.76
		1009.5	197.5	40.81	185.9	39.36	176.6	37.70	172.5	36.15	165.1	34.21	156.9	31.66
	15	269.2	197.5	37.69	186.0	35.69	176.6	33.51	172.5	32.90	165.1	30.90	156.9	28.90
		336.5	197.5	37.36	186.0	35.35	176.6	33.35	172.5	32.73	165.1	30.73	156.9	28.73
		673.0	197.5	36.05	186.0	34.04	176.6	32.73	172.5	32.04	165.1	30.04	156.9	28.04
		841.3	197.5	35.35	186.0	34.04	176.6	32.73	172.5	31.35	165.1	29.35	156.9	27.34
		1009.5	197.5	35.01	186.0	34.04	176.6	32.73	172.5	31.00	165.1	29.00	156.9	27.00
	20	269.2	197.5	31.51	186.0	30.21	176.6	28.73	172.5	28.21	165.1	26.90	156.9	24.89
		336.5	197.5	31.35	186.0	30.04	176.6	28.73	172.5	28.04	165.1	26.72	156.9	24.72
		673.0	197.5	30.73	186.0	29.35	176.6	28.73	172.5	27.34	165.1	26.03	156.9	24.03
		841.3	197.5	30.04	186.0	28.73	176.6	28.04	172.5	27.34	165.1	25.34	156.9	24.03
		1009.5	197.5	29.69	186.0	28.41	176.6	27.69	172.5	27.34	165.1	24.99	156.9	24.03
	25	269.2	197.5	28.21	186.0	26.21	176.6	24.72	172.5	24.20	165.1	22.89	156.9	21.49
		336.5	197.5	28.04	186.0	26.03	176.6	24.72	172.5	24.03	165.1	22.72	156.9	21.34
		673.0	197.5	27.34	186.0	25.34	176.6	24.72	172.5	23.34	165.1	22.03	156.9	20.72
		841.3	197.5	26.72	186.0	25.34	176.6	24.03	172.5	23.34	165.1	22.03	156.9	20.72
		1009.5	197.5	26.41	186.0	25.34	176.6	23.68	172.5	23.34	165.1	22.03	156.9	20.72
	30	269.2	197.5	24.89	186.0	23.50	176.6	22.20	172.5	21.49	165.1	20.20	156.9	18.89
		336.5	197.5	24.72	186.0	23.34	176.6	22.03	172.5	21.34	165.1	20.03	156.9	18.71
		673.0	197.5	24.03	186.0	22.72	176.6	21.34	172.5	20.72	165.1	19.33	156.9	18.02
		841.3	197.5	24.03	186.0	22.72	176.6	21.34	172.5	20.72	165.1	19.33	156.9	18.02
		1009.5	197.5	24.03	186.0	22.72	176.6	21.34	172.5	20.72	165.1	19.33	156.9	18.02
	35	269.2	197.5	22.89	186.0	21.49	176.6	19.49	172.5	18.71	165.1	18.20	156.9	16.71
		336.5	197.5	22.72	186.0	21.34	176.6	19.33	172.5	18.71	165.1	18.02	156.9	16.71
		673.0	197.5	22.03	186.0	20.72	176.6	18.71	172.5	18.71	165.1	17.33	156.9	16.71
		841.3	197.5	22.03	186.0	20.03	176.6	18.71	172.5	18.02	165.1	17.33	156.9	16.02
		1009.5	197.5	22.03	186.0	19.68	176.6	18.71	172.5	17.67	165.1	17.33	156.9	15.67
	40	269.2	197.5	21.67	186.0	19.49	176.6	17.33	172.5	17.49	165.1	16.02	156.9	15.49
		336.5	197.5	21.34	186.0	19.33	176.6	17.33	172.5	17.33	165.1	16.02	156.9	15.33
		673.0	197.5	20.03	186.0	18.71	176.6	17.33	172.5	16.71	165.1	16.02	156.9	14.71
		841.3	197.5	20.03	186.0	18.71	176.6	16.71	172.5	16.71	165.1	16.02	156.9	14.71
		1009.5	197.5	20.03	186.0	18.71	176.6	16.40	172.5	16.71	165.1	16.02	156.9	14.71

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	269.2	197.5	20.53	186.0	17.49	176.6	15.16	172.5	16.35	165.1	13.84	156.9	14.35
		336.5	197.5	20.03	186.0	17.33	176.6	15.33	172.5	16.02	165.1	14.02	156.9	14.02
		673.0	197.5	18.02	186.0	16.71	176.6	16.02	172.5	14.71	165.1	14.71	156.9	12.71
		841.3	197.5	18.02	186.0	17.33	176.6	14.71	172.5	15.33	165.1	14.71	156.9	13.33
		1009.5	197.5	18.02	186.0	17.65	176.6	14.05	172.5	15.64	165.1	14.71	156.9	13.64
70	-5	269.2	69.0	24.13	64.8	22.97	61.3	22.23	60.7	20.95	60.3	20.21	59.3	18.38
		336.5	71.4	24.65	67.1	23.48	63.4	22.72	62.8	21.41	62.4	20.65	61.3	18.78
		673.0	80.8	26.72	75.9	25.48	71.6	24.65	71.0	23.20	70.6	22.37	69.3	20.37
		841.3	89.4	28.86	83.9	27.48	79.2	26.58	78.6	25.00	77.9	24.17	76.5	21.96
		1009.5	93.8	29.94	87.9	28.49	83.0	27.56	82.4	25.90	81.7	25.07	80.1	22.76
	0	269.2	123.6	35.32	114.2	33.68	106.0	32.56	104.2	30.64	102.6	29.61	98.9	26.93
		336.5	124.3	35.42	114.9	33.77	106.7	32.66	104.8	30.73	103.2	29.69	99.5	27.00
		673.0	127.2	35.84	117.5	34.11	109.1	33.08	107.3	31.07	105.6	30.04	101.7	27.28
		841.3	129.0	35.84	119.4	34.11	110.8	33.08	108.9	31.07	107.3	30.04	103.4	27.28
		1009.5	129.9	35.84	120.3	34.11	111.6	33.08	109.7	31.07	108.1	30.04	104.2	27.28
	5	269.2	170.7	38.48	161.7	36.61	154.0	35.44	150.8	33.40	144.0	32.21	137.2	29.26
		336.5	171.1	38.67	162.0	36.80	154.0	35.63	150.8	33.56	144.0	32.39	137.2	29.42
		673.0	172.5	39.43	163.3	37.56	154.2	36.39	150.8	34.18	144.0	33.08	137.2	30.04
		841.3	172.5	39.70	163.1	37.84	154.2	36.67	150.8	34.46	144.0	33.28	137.2	30.24
		1009.5	172.5	39.84	163.0	37.98	154.2	36.81	150.8	34.60	144.0	33.39	137.2	30.35
	10	269.2	171.5	35.42	162.3	33.49	154.2	32.25	150.8	30.45	144.0	29.21	137.2	26.72
		336.5	171.7	35.35	162.5	33.42	154.2	32.18	150.8	30.45	144.0	29.21	137.2	26.72
		673.0	172.5	35.08	163.1	33.14	154.2	31.90	150.8	30.45	144.0	29.21	137.2	26.72
		841.3	172.5	35.22	163.1	33.28	154.2	32.04	150.8	30.59	144.0	29.00	137.2	26.79
		1009.5	172.5	35.29	163.1	33.35	154.2	32.11	150.8	30.66	144.0	28.90	137.2	26.83
	15	269.2	172.5	32.37	163.1	30.37	154.2	29.07	150.8	27.50	144.0	26.21	137.2	24.20
		336.5	172.5	32.04	163.1	30.04	154.2	28.73	150.8	27.34	144.0	26.03	137.2	24.03
		673.0	172.5	30.73	163.1	28.73	154.2	27.34	150.8	26.72	144.0	25.34	137.2	23.34
		841.3	172.5	30.73	163.1	28.73	154.2	27.34	150.8	26.72	144.0	24.72	137.2	23.34
		1009.5	172.5	30.73	163.1	28.73	154.2	27.34	150.8	26.72	144.0	24.41	137.2	23.34
	20	269.2	172.5	26.90	163.1	25.50	154.2	24.89	150.8	24.20	144.0	22.89	137.2	21.49
		336.5	172.5	26.72	163.1	25.34	154.2	24.72	150.8	24.03	144.0	22.72	137.2	21.34
		673.0	172.5	26.03	163.1	24.72	154.2	24.03	150.8	23.34	144.0	22.03	137.2	20.72
		841.3	172.5	26.03	163.1	24.72	154.2	24.03	150.8	22.72	144.0	22.03	137.2	20.03
		1009.5	172.5	26.03	163.1	24.72	154.2	24.03	150.8	22.40	144.0	22.03	137.2	19.68
	25	269.2	172.5	24.20	163.1	22.89	154.2	21.49	150.8	20.89	144.0	19.33	137.2	18.02
		336.5	172.5	24.03	163.1	22.72	154.2	21.34	150.8	20.72	144.0	19.33	137.2	18.02
		673.0	172.5	23.34	163.1	22.03	154.2	20.72	150.8	20.03	144.0	19.33	137.2	18.02
		841.3	172.5	22.72	163.1	21.34	154.2	20.72	150.8	20.03	144.0	18.71	137.2	18.02
		1009.5	172.5	22.40	163.1	20.99	154.2	20.72	150.8	20.03	144.0	18.40	137.2	18.02
	30	269.2	172.5	21.49	163.1	20.20	154.2	18.89	150.8	18.02	144.0	17.49	137.2	16.02
		336.5	172.5	21.34	163.1	20.03	154.2	18.71	150.8	18.02	144.0	17.33	137.2	16.02
		673.0	172.5	20.72	163.1	19.33	154.2	18.02	150.8	18.02	144.0	16.71	137.2	16.02
		841.3	172.5	20.72	163.1	19.33	154.2	18.02	150.8	17.33	144.0	16.71	137.2	16.02
		1009.5	172.5	20.72	163.1	19.33	154.2	18.02	150.8	16.98	144.0	16.71	137.2	16.02
	35	269.2	172.5	19.49	163.1	18.20	154.2	16.71	150.8	16.88	144.0	15.33	137.2	14.88
		336.5	172.5	19.33	163.1	18.02	154.2	16.71	150.8	16.71	144.0	15.33	137.2	14.71
		673.0	172.5	18.71	163.1	17.33	154.2	16.71	150.8	16.02	144.0	15.33	137.2	14.02
		841.3	172.5	18.71	163.1	17.33	154.2	16.02	150.8	16.02	144.0	15.33	137.2	14.02
		1009.5	172.5	18.71	163.1	17.33	154.2	15.67	150.8	16.02	144.0	15.33	137.2	14.02
	40	269.2	172.5	18.20	163.1	16.88	154.2	15.49	150.8	14.71	144.0	14.02	137.2	13.48
		336.5	172.5	18.02	163.1	16.71	154.2	15.33	150.8	14.71	144.0	14.02	137.2	13.33
		673.0	172.5	17.33	163.1	16.02	154.2	14.71	150.8	14.71	144.0	14.02	137.2	12.71
		841.3	172.5	17.33	163.1	16.02	154.2	14.71	150.8	14.02	144.0	13.33	137.2	12.71
		1009.5	172.5	17.33	163.1	16.02	154.2	14.71	150.8	13.67	144.0	12.98	137.2	12.71
	45	269.2	172.5	16.88	163.1	15.49	154.2	14.35	150.8	12.55	144.0	12.71	137.2	12.19
		336.5	172.5	16.71	163.1	15.33	154.2	14.02	150.8	12.71	144.0	12.71	137.2	12.02
		673.0	172.5	16.02	163.1	14.71	154.2	12.71	150.8	13.33	144.0	12.71	137.2	11.32
		841.3	172.5	16.02	163.1	14.71	154.2	13.33	150.8	12.02	144.0	11.32	137.2	11.32
		1009.5	172.5	16.02	163.1	14.71	154.2	13.64	150.8	11.35	144.0	10.63	137.2	11.32
60	-5	269.2	59.3	19.59	55.5	18.85	52.5	18.10	51.9	16.83	51.7	16.55	50.7	14.79
		336.5	61.3	20.03	57.4	19.27	54.4	18.51	53.7	17.19	53.5	16.92	52.5	15.12
		673.0	69.5	21.75	65.0	20.92	61.5	20.09	60.9	18.64	60.7	18.37	59.5	16.43
		841.3	76.7	23.41	71.8	22.58	68.1	21.68	67.3	20.16	67.1	19.82	65.6	17.68
		1009.5	80.3	24.24	75.2	23.42	71.4	22.48	70.5	20.93	70.3	20.55	68.7	18.30

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	269.2	106.0	28.71	97.7	27.69	91.1	26.50	89.3	24.65	88.1	24.31	84.9	21.70
		336.5	106.7	28.79	98.3	27.76	91.7	26.58	89.8	24.72	88.6	24.38	85.3	21.75
		673.0	109.1	29.14	100.5	28.04	93.9	26.93	91.9	25.00	90.7	24.65	87.2	21.96
		841.3	110.8	29.14	102.1	28.04	95.4	26.93	93.3	25.00	92.1	24.65	88.6	21.96
		1009.5	111.6	29.14	103.0	28.04	96.1	26.93	94.1	25.00	92.8	24.65	89.3	21.96
	5	269.2	146.6	31.26	138.2	30.09	132.5	28.84	129.2	26.86	123.7	26.45	117.7	23.56
		336.5	146.9	31.42	138.5	30.24	132.5	29.00	129.2	27.00	123.7	26.58	117.7	23.68
		673.0	148.1	32.04	139.5	30.87	132.5	29.62	129.2	27.55	123.7	27.14	117.7	24.17
		841.3	148.1	32.32	139.3	31.07	132.5	29.83	129.2	27.76	123.7	27.28	117.7	24.38
		1009.5	148.1	32.46	139.2	31.18	132.5	29.93	129.2	27.86	123.7	27.35	117.7	24.48
	10	269.2	147.3	28.73	138.7	27.48	132.5	26.17	129.2	24.44	123.7	23.98	117.7	21.49
		336.5	147.5	28.73	138.9	27.48	132.5	26.17	129.2	24.51	123.7	23.96	117.7	21.54
		673.0	148.1	28.73	139.5	27.48	132.5	26.17	129.2	24.79	123.7	23.89	117.7	21.75
		841.3	148.1	28.79	139.3	27.21	132.5	25.89	129.2	24.51	123.7	23.68	117.7	21.54
		1009.5	148.1	28.83	139.2	27.07	132.5	25.76	129.2	24.37	123.7	23.58	117.7	21.44
	15	269.2	148.1	26.21	139.3	24.89	132.5	23.50	129.2	22.03	123.7	21.49	117.7	19.33
		336.5	148.1	26.03	139.3	24.72	132.5	23.34	129.2	22.03	123.7	21.34	117.7	19.33
		673.0	148.1	25.34	139.3	24.03	132.5	22.72	129.2	22.03	123.7	20.72	117.7	19.33
		841.3	148.1	25.34	139.3	23.34	132.5	22.03	129.2	21.34	123.7	20.03	117.7	18.71
		1009.5	148.1	25.34	139.3	22.99	132.5	21.68	129.2	20.99	123.7	19.68	117.7	18.40
	20	269.2	148.1	22.89	139.3	21.49	132.5	20.20	129.2	19.49	123.7	18.89	117.7	17.49
		336.5	148.1	22.72	139.3	21.34	132.5	20.03	129.2	19.33	123.7	18.71	117.7	17.33
		673.0	148.1	22.03	139.3	20.72	132.5	19.33	129.2	18.71	123.7	18.02	117.7	16.71
		841.3	148.1	22.03	139.3	20.72	132.5	19.33	129.2	18.71	123.7	18.02	117.7	16.71
		1009.5	148.1	22.03	139.3	20.72	132.5	19.33	129.2	18.71	123.7	18.02	117.7	16.71
	25	269.2	148.1	20.20	139.3	18.89	132.5	17.33	129.2	17.49	123.7	16.02	117.7	15.49
		336.5	148.1	20.03	139.3	18.71	132.5	17.33	129.2	17.33	123.7	16.02	117.7	15.33
		673.0	148.1	19.33	139.3	18.02	132.5	17.33	129.2	16.71	123.7	16.02	117.7	14.71
		841.3	148.1	19.33	139.3	18.02	132.5	16.71	129.2	16.71	123.7	16.02	117.7	14.71
		1009.5	148.1	19.33	139.3	18.02	132.5	16.40	129.2	16.71	123.7	16.02	117.7	14.71
	30	269.2	148.1	18.20	139.3	16.88	132.5	16.19	129.2	15.49	123.7	14.88	117.7	14.19
		336.5	148.1	18.02	139.3	16.71	132.5	16.02	129.2	15.33	123.7	14.71	117.7	14.02
		673.0	148.1	17.33	139.3	16.02	132.5	15.33	129.2	14.71	123.7	14.02	117.7	13.33
		841.3	148.1	17.33	139.3	16.02	132.5	15.33	129.2	14.71	123.7	14.02	117.7	13.33
		1009.5	148.1	17.33	139.3	16.02	132.5	15.33	129.2	14.71	123.7	14.02	117.7	13.33
	35	269.2	148.1	16.02	139.3	15.49	132.5	14.02	129.2	14.19	123.7	13.48	117.7	12.88
		336.5	148.1	16.02	139.3	15.33	132.5	14.02	129.2	14.02	123.7	13.33	117.7	12.71
		673.0	148.1	16.02	139.3	14.71	132.5	14.02	129.2	13.33	123.7	12.71	117.7	12.02
		841.3	148.1	16.02	139.3	14.71	132.5	13.33	129.2	13.33	123.7	12.71	117.7	12.02
		1009.5	148.1	16.02	139.3	14.71	132.5	12.98	129.2	13.33	123.7	12.71	117.7	12.02
	40	269.2	148.1	14.71	139.3	14.19	132.5	12.71	129.2	12.88	123.7	12.19	117.7	11.32
		336.5	148.1	14.71	139.3	14.02	132.5	12.71	129.2	12.71	123.7	12.02	117.7	11.32
		673.0	148.1	14.71	139.3	13.33	132.5	12.71	129.2	12.02	123.7	11.32	117.7	11.32
		841.3	148.1	14.71	139.3	13.33	132.5	12.71	129.2	12.02	123.7	11.32	117.7	11.32
		1009.5	148.1	14.71	139.3	13.33	132.5	12.71	129.2	12.02	123.7	11.32	117.7	11.32
	45	269.2	148.1	13.33	139.3	12.88	132.5	11.32	129.2	11.48	123.7	10.88	117.7	9.84
		336.5	148.1	13.33	139.3	12.71	132.5	11.32	129.2	11.32	123.7	10.70	117.7	10.01
		673.0	148.1	13.33	139.3	12.02	132.5	11.32	129.2	10.70	123.7	10.01	117.7	10.70
		841.3	148.1	13.33	139.3	12.02	132.5	12.02	129.2	10.70	123.7	10.01	117.7	10.70
		1009.5	148.1	13.33	139.3	12.02	132.5	12.36	129.2	10.70	123.7	10.01	117.7	10.70
50	-5	269.2	49.4	15.62	46.4	14.79	43.8	14.00	43.2	13.24	43.0	12.43	42.2	11.77
		336.5	51.1	15.95	48.0	15.12	45.3	14.29	44.7	13.53	44.5	12.71	43.7	12.02
		673.0	57.6	17.26	54.2	16.43	51.3	15.47	50.7	14.71	50.5	13.81	49.4	12.98
		841.3	63.8	18.64	59.9	17.68	56.6	16.71	56.0	15.88	55.6	14.85	54.8	14.02
		1009.5	66.9	19.34	62.8	18.30	59.3	17.34	58.7	16.47	58.2	15.37	57.5	14.54
	0	269.2	88.1	22.87	81.6	21.70	75.8	20.44	74.2	19.40	73.2	18.25	70.6	17.21
		336.5	88.6	22.93	82.0	21.75	76.3	20.51	74.7	19.47	73.6	18.30	71.0	17.26
		673.0	90.7	23.13	83.9	21.96	78.1	20.78	76.5	19.75	75.5	18.51	72.6	17.47
		841.3	92.1	23.13	85.1	21.96	79.2	20.78	77.7	19.75	76.5	18.51	73.8	17.47
		1009.5	92.8	23.13	85.7	21.96	79.7	20.78	78.4	19.75	77.0	18.51	74.5	17.47
	5	269.2	121.8	24.87	115.5	23.56	110.1	22.25	107.5	21.16	102.8	19.87	98.0	18.68
		336.5	122.0	25.00	115.7	23.68	110.1	22.37	107.5	21.27	102.8	19.96	98.0	18.78
		673.0	123.1	25.48	116.5	24.17	110.4	22.86	107.5	21.68	102.8	20.30	98.0	19.20
		841.3	123.1	25.69	116.3	24.38	110.4	22.99	107.5	21.82	102.8	20.51	98.0	19.33
		1009.5	123.1	25.79	116.2	24.48	110.4	23.06	107.5	21.89	102.8	20.61	98.0	19.40

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(70HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	269.2	122.6	22.89	115.7	21.56	110.1	20.27	107.5	19.37	102.8	17.90	98.0	17.09
		336.5	122.7	22.86	115.9	21.54	110.1	20.23	107.5	19.33	102.8	17.95	98.0	17.06
		673.0	123.1	22.72	116.5	21.48	110.4	20.09	107.5	19.20	102.8	18.16	98.0	16.92
		841.3	123.1	22.86	116.3	21.54	110.4	20.16	107.5	19.27	102.8	17.88	98.0	16.99
		1009.5	123.1	22.93	116.2	21.58	110.4	20.20	107.5	19.30	102.8	17.75	98.0	17.02
	15	269.2	123.1	20.89	116.3	19.49	110.4	18.20	107.5	17.49	102.8	16.02	98.0	15.49
		336.5	123.1	20.72	116.3	19.33	110.4	18.02	107.5	17.33	102.8	16.02	98.0	15.33
		673.0	123.1	20.03	116.3	18.71	110.4	17.33	107.5	16.71	102.8	16.02	98.0	14.71
		841.3	123.1	20.03	116.3	18.71	110.4	17.33	107.5	16.71	102.8	15.33	98.0	14.71
		1009.5	123.1	20.03	116.3	18.71	110.4	17.33	107.5	16.71	102.8	14.98	98.0	14.71
	20	269.2	123.1	18.20	116.3	16.88	110.4	16.19	107.5	15.49	102.8	14.88	98.0	13.33
		336.5	123.1	18.02	116.3	16.71	110.4	16.02	107.5	15.33	102.8	14.71	98.0	13.33
		673.0	123.1	17.33	116.3	16.02	110.4	15.33	107.5	14.71	102.8	14.02	98.0	13.33
		841.3	123.1	17.33	116.3	16.02	110.4	15.33	107.5	14.71	102.8	14.02	98.0	13.33
		1009.5	123.1	17.33	116.3	16.02	110.4	15.33	107.5	14.71	102.8	14.02	98.0	13.33
	25	269.2	123.1	16.19	116.3	14.71	110.4	14.19	107.5	13.33	102.8	12.71	98.0	12.02
		336.5	123.1	16.02	116.3	14.71	110.4	14.02	107.5	13.33	102.8	12.71	98.0	12.02
		673.0	123.1	15.33	116.3	14.71	110.4	13.33	107.5	13.33	102.8	12.71	98.0	12.02
		841.3	123.1	15.33	116.3	14.71	110.4	13.33	107.5	13.33	102.8	12.71	98.0	12.02
		1009.5	123.1	15.33	116.3	14.71	110.4	13.33	107.5	13.33	102.8	12.71	98.0	12.02
	30	269.2	123.1	14.88	116.3	13.48	110.4	12.88	107.5	12.02	102.8	12.19	98.0	11.48
		336.5	123.1	14.71	116.3	13.33	110.4	12.71	107.5	12.02	102.8	12.02	98.0	11.32
		673.0	123.1	14.02	116.3	12.71	110.4	12.02	107.5	12.02	102.8	11.32	98.0	10.70
		841.3	123.1	14.02	116.3	12.71	110.4	12.02	107.5	12.02	102.8	11.32	98.0	10.70
		1009.5	123.1	14.02	116.3	12.71	110.4	12.02	107.5	12.02	102.8	11.32	98.0	10.70
	35	269.2	123.1	13.48	116.3	12.02	110.4	11.32	107.5	11.48	102.8	10.70	98.0	10.01
		336.5	123.1	13.33	116.3	12.02	110.4	11.32	107.5	11.32	102.8	10.70	98.0	10.01
		673.0	123.1	12.71	116.3	12.02	110.4	11.32	107.5	10.70	102.8	10.70	98.0	10.01
		841.3	123.1	12.71	116.3	12.02	110.4	11.32	107.5	10.70	102.8	10.70	98.0	10.01
		1009.5	123.1	12.71	116.3	12.02	110.4	11.32	107.5	10.70	102.8	10.70	98.0	10.01
	40	269.2	123.1	12.19	116.3	11.48	110.4	10.88	107.5	10.01	102.8	10.19	98.0	9.32
		336.5	123.1	12.02	116.3	11.32	110.4	10.70	107.5	10.01	102.8	10.01	98.0	9.32
		673.0	123.1	11.32	116.3	10.70	110.4	10.01	107.5	10.01	102.8	9.32	98.0	9.32
		841.3	123.1	11.32	116.3	10.70	110.4	10.01	107.5	10.01	102.8	9.32	98.0	9.32
		1009.5	123.1	11.32	116.3	10.70	110.4	10.01	107.5	10.01	102.8	9.32	98.0	9.32
	45	269.2	123.1	10.88	116.3	11.05	110.4	10.34	107.5	8.54	102.8	9.65	98.0	8.70
		336.5	123.1	10.70	116.3	10.70	110.4	10.01	107.5	8.70	102.8	9.32	98.0	8.70
		673.0	123.1	10.01	116.3	9.32	110.4	8.70	107.5	9.32	102.8	8.01	98.0	8.70
		841.3	123.1	10.01	116.3	9.32	110.4	8.70	107.5	9.32	102.8	8.01	98.0	8.70
		1009.5	123.1	10.01	116.3	9.32	110.4	8.70	107.5	9.32	102.8	8.01	98.0	8.70

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

ARWN720LAS4

Heating Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	276.8	107.3	43.61	106.5	41.06	105.9	38.22	104.4	37.09	105.7	36.12	102.8	32.39
		346.0	111.0	44.37	110.1	41.86	109.5	39.06	108.0	37.91	109.3	36.90	106.3	33.10
		692.0	125.5	47.38	124.5	45.01	123.8	42.36	122.2	41.14	123.6	39.99	120.5	35.90
		865.0	138.8	50.40	137.6	48.10	136.7	45.66	135.0	44.44	136.7	43.15	133.1	38.70
		1038.0	145.5	51.92	144.1	49.66	143.2	47.32	141.5	46.10	143.3	44.74	139.5	40.11
	0	276.8	191.7	59.64	187.3	57.86	183.3	55.98	179.3	54.40	180.0	52.91	171.7	47.38
		346.0	192.8	59.80	188.4	58.01	184.4	56.14	180.4	54.56	181.0	53.06	172.8	47.53
		692.0	197.5	60.45	192.6	58.58	188.6	56.79	184.6	55.21	185.2	53.63	177.0	48.10
		865.0	200.4	60.45	195.6	58.58	191.6	56.79	187.3	55.21	188.0	53.63	179.5	48.10
		1038.0	201.9	60.45	197.1	58.58	193.1	56.79	188.7	55.21	189.4	53.63	180.8	48.10
	5	276.8	276.1	64.11	271.9	62.53	266.2	60.93	259.5	59.21	252.5	57.58	238.6	51.56
		346.0	277.0	64.40	272.4	62.82	266.3	61.24	259.5	59.52	252.5	57.87	238.6	51.83
		692.0	280.8	65.55	274.3	63.97	266.5	62.46	259.5	60.74	252.5	59.01	238.6	52.91
		865.0	282.5	65.98	275.1	64.40	266.5	62.89	259.5	61.17	252.5	59.44	238.6	53.27
		1038.0	283.3	66.19	275.5	64.62	266.5	63.11	259.5	61.38	252.5	59.66	238.6	53.45
	10	276.8	276.4	58.33	271.9	56.37	265.4	55.32	258.4	54.08	251.6	52.23	237.7	47.13
		346.0	278.1	58.22	273.2	56.43	266.5	55.42	259.5	54.06	252.5	52.19	238.6	47.10
		692.0	284.6	57.79	278.3	56.64	270.7	55.86	263.7	53.99	256.3	52.05	242.4	46.95
		865.0	286.1	58.58	280.2	57.43	272.4	56.07	265.0	54.20	258.0	52.91	243.9	49.18
		1038.0	286.8	58.98	281.1	57.83	273.2	56.18	265.6	54.31	258.9	53.35	244.6	50.30
	15	276.8	276.8	52.58	272.0	50.33	264.3	49.79	257.4	48.97	250.6	46.88	236.7	42.72
		346.0	279.1	52.05	274.1	50.11	266.5	49.68	259.5	48.60	252.5	46.52	238.6	42.36
		692.0	288.2	49.97	282.3	49.25	274.9	49.25	267.9	47.17	260.1	45.09	246.2	40.92
		865.0	289.7	51.19	285.0	50.40	278.3	49.25	270.7	47.17	263.7	46.38	249.2	45.09
		1038.0	290.4	51.80	286.4	50.98	280.0	49.25	272.1	47.17	265.5	47.03	250.7	47.18
	20	276.8	287.4	48.23	282.1	45.98	274.7	44.98	267.1	43.54	259.3	42.57	243.9	41.27
		346.0	289.7	47.89	284.4	45.95	276.8	44.94	269.2	43.72	261.6	42.86	246.2	40.92
		692.0	298.7	46.52	293.5	45.80	285.2	44.80	277.6	44.44	270.7	44.01	255.3	39.56
		865.0	300.0	46.52	295.6	45.80	288.6	45.09	280.4	44.44	272.8	44.01	257.4	42.07
		1038.0	300.6	46.52	296.6	45.80	290.3	45.23	281.8	44.44	273.9	44.01	258.5	43.34
	25	276.8	303.4	45.99	295.6	44.66	288.6	43.90	283.1	43.17	276.8	42.54	261.0	39.74
		346.0	303.4	45.80	295.6	44.58	288.6	43.72	283.1	43.00	276.8	42.36	261.0	39.56
		692.0	303.4	45.09	295.6	44.30	288.6	43.00	283.1	42.36	276.8	41.64	261.0	38.84
		865.0	303.4	44.44	295.6	43.15	288.6	42.36	283.1	41.64	276.8	40.92	261.0	38.19
		1038.0	303.4	44.11	295.6	42.57	288.6	42.03	283.1	41.28	276.8	40.56	261.0	37.87
	30	276.8	303.4	44.80	295.6	42.57	288.6	42.18	283.1	41.09	276.8	40.64	261.0	37.82
		346.0	303.4	44.44	295.6	42.50	288.6	41.93	283.1	40.92	276.8	40.28	261.0	37.48
		692.0	303.4	43.00	295.6	42.21	288.6	40.92	283.1	40.28	276.8	38.84	261.0	36.11
		865.0	303.4	42.36	295.6	41.07	288.6	40.28	283.1	39.56	276.8	38.84	261.0	36.11
		1038.0	303.4	42.03	295.6	40.49	288.6	39.95	283.1	39.20	276.8	38.84	261.0	36.11
	35	276.8	303.4	42.72	295.6	41.30	288.6	40.46	283.1	39.00	276.8	37.66	261.0	35.02
		346.0	303.4	42.36	295.6	41.07	288.6	40.28	283.1	38.84	276.8	37.48	261.0	34.68
		692.0	303.4	40.92	295.6	40.13	288.6	39.56	283.1	38.19	276.8	36.76	261.0	33.31
		865.0	303.4	40.92	295.6	39.70	288.6	38.84	283.1	37.48	276.8	36.11	261.0	33.31
		1038.0	303.4	40.92	295.6	39.48	288.6	38.48	283.1	37.11	276.8	35.79	261.0	33.31
	40	276.8	303.4	41.27	295.6	39.96	288.6	39.18	283.1	37.82	276.8	36.47	261.0	32.94
		346.0	303.4	40.92	295.6	39.70	288.6	38.84	283.1	37.48	276.8	36.11	261.0	32.59
		692.0	303.4	39.56	295.6	38.70	288.6	37.48	283.1	36.11	276.8	34.68	261.0	31.23
		865.0	303.4	38.84	295.6	38.05	288.6	37.48	283.1	36.11	276.8	34.68	261.0	31.23
		1038.0	303.4	38.48	295.6	37.72	288.6	37.48	283.1	36.11	276.8	34.68	261.0	31.23
	45	276.8	303.4	39.90	295.6	38.59	288.6	38.00	283.1	36.64	276.8	35.20	261.0	30.86
		346.0	303.4	39.56	295.6	38.34	288.6	37.48	283.1	36.11	276.8	34.68	261.0	30.51
		692.0	303.4	38.19	295.6	37.33	288.6	35.39	283.1	34.03	276.8	32.59	261.0	29.15
		865.0	303.4	36.76	295.6	36.40	288.6	36.11	283.1	34.68	276.8	33.31	261.0	29.15
		1038.0	303.4	36.03	295.6	35.93	288.6	36.47	283.1	35.00	276.8	33.67	261.0	29.15
120	-5	276.8	102.0	43.61	101.2	41.06	100.5	38.22	99.3	36.61	100.1	35.55	97.5	31.82
		346.0	105.5	44.37	104.6	41.86	104.0	39.06	102.7	37.40	103.6	36.33	100.8	32.52
		692.0	119.4	47.38	118.4	45.01	117.7	42.36	116.2	40.56	117.3	39.41	114.1	35.32
		865.0	131.9	50.40	130.8	48.10	130.0	45.66	128.5	43.79	129.5	42.50	126.0	38.05
		1038.0	138.1	51.92	137.1	49.66	136.1	47.32	134.7	45.42	135.7	44.06	131.9	39.43
	0	276.8	182.3	59.64	177.8	57.86	174.0	55.98	170.5	53.61	170.5	52.12	162.7	46.59
		346.0	183.3	59.80	178.9	58.01	175.1	56.14	171.5	53.77	171.5	52.27	163.7	46.74
		692.0	187.6	60.45	183.1	58.58	179.3	56.79	175.5	54.42	175.5	52.84	167.7	47.31
		865.0	190.5	60.45	186.1	58.58	182.1	56.79	178.3	54.42	178.1	52.84	170.3	47.31
		1038.0	192.0	60.45	187.6	58.58	183.5	56.79	179.7	54.42	179.3	52.84	171.5	47.31

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	276.8	262.8	64.11	258.8	62.53	253.2	60.93	247.1	58.35	239.2	56.71	226.2	50.79
		346.0	263.7	64.40	259.3	62.82	253.2	61.24	247.1	58.65	239.2	57.00	226.2	51.04
		692.0	267.5	65.55	261.2	63.97	253.2	62.46	247.1	59.88	239.2	58.15	226.2	52.05
		865.0	269.0	65.98	259.7	64.40	253.2	62.89	247.1	60.31	239.2	58.58	226.2	52.41
		1038.0	269.7	66.19	259.0	64.62	253.2	63.11	247.1	60.52	239.2	58.80	226.2	52.59
	10	276.8	263.8	57.59	258.9	56.00	252.5	54.87	246.4	53.20	238.6	51.44	225.6	46.25
		346.0	265.0	57.79	259.9	56.21	253.2	55.07	247.1	53.27	239.2	51.40	226.2	46.31
		692.0	269.8	58.58	264.1	57.08	255.9	55.86	249.8	53.56	241.8	51.26	228.5	46.52
		865.0	271.3	58.37	263.3	57.08	257.0	56.07	250.9	53.77	242.8	51.48	229.5	48.10
		1038.0	272.1	58.26	262.9	57.08	257.5	56.18	251.4	53.88	243.4	51.58	230.1	48.90
	15	276.8	264.5	51.08	259.2	49.57	251.7	48.80	245.7	48.07	238.0	46.15	224.9	41.82
		346.0	266.0	51.19	260.8	49.68	253.2	48.89	247.1	47.89	239.2	45.80	226.2	41.64
		692.0	272.2	51.62	267.1	50.11	258.9	49.25	252.5	47.17	244.1	44.44	231.0	40.92
		865.0	273.6	50.83	266.9	49.68	261.0	49.25	254.6	47.17	246.2	44.44	233.1	43.72
		1038.0	274.4	50.43	266.8	49.46	262.0	49.25	255.7	47.17	247.3	44.44	234.2	45.13
	20	276.8	271.9	45.95	266.8	43.99	258.7	42.82	251.6	42.19	243.4	41.68	230.3	39.56
		346.0	273.6	45.95	268.4	44.15	260.1	43.00	253.2	42.36	244.9	41.64	231.7	39.41
		692.0	280.6	45.95	274.7	44.80	265.8	43.72	259.5	43.00	251.1	41.50	237.1	38.84
		865.0	281.9	45.52	274.5	44.44	267.9	43.72	261.0	43.00	252.5	41.64	238.6	40.28
		1038.0	282.5	45.30	274.4	44.26	269.0	43.72	261.7	43.00	253.3	41.71	239.4	41.00
	25	276.8	285.1	43.45	276.8	41.43	267.9	40.64	262.2	39.74	255.3	39.00	241.4	36.29
		346.0	285.2	43.29	276.8	41.35	267.9	40.56	262.2	39.56	255.3	38.84	241.4	36.11
		692.0	285.9	42.65	276.8	41.07	267.9	40.28	262.2	38.84	255.3	38.19	241.4	35.39
		865.0	286.7	41.07	276.8	39.99	267.9	39.56	262.2	38.84	255.3	37.48	241.4	35.39
		1038.0	287.1	40.27	276.8	39.45	267.9	39.20	262.2	38.84	255.3	37.11	241.4	35.39
	30	276.8	286.7	41.55	276.8	39.51	267.9	38.38	262.2	36.92	255.3	36.47	241.4	33.49
		346.0	286.7	41.21	276.8	39.27	267.9	38.19	262.2	36.76	255.3	36.11	241.4	33.31
		692.0	286.7	39.85	276.8	38.34	267.9	37.48	262.2	36.11	255.3	34.68	241.4	32.59
		865.0	286.7	38.55	276.8	37.48	267.9	36.76	262.2	36.11	255.3	34.68	241.4	31.95
		1038.0	286.7	37.90	276.8	37.04	267.9	36.40	262.2	36.11	255.3	34.68	241.4	31.62
	35	276.8	286.7	39.69	276.8	37.53	267.9	36.47	262.2	35.02	255.3	33.66	241.4	30.68
		346.0	286.7	39.13	276.8	37.19	267.9	36.11	262.2	34.68	255.3	33.31	241.4	30.51
		692.0	286.7	36.90	276.8	35.82	267.9	34.68	262.2	33.31	255.3	31.95	241.4	29.87
		865.0	286.7	36.47	276.8	35.54	267.9	34.68	262.2	33.31	255.3	31.95	241.4	29.15
		1038.0	286.7	36.25	276.8	35.39	267.9	34.68	262.2	33.31	255.3	31.95	241.4	28.79
	40	276.8	286.7	38.51	276.8	35.81	267.9	34.39	262.2	32.94	255.3	31.57	241.4	28.59
		346.0	286.7	37.76	276.8	35.39	267.9	34.03	262.2	32.59	255.3	31.23	241.4	28.43
		692.0	286.7	34.82	276.8	33.74	267.9	32.59	262.2	31.23	255.3	29.87	241.4	27.78
		865.0	286.7	34.39	276.8	33.31	267.9	32.59	262.2	31.23	255.3	29.87	241.4	27.07
		1038.0	286.7	34.17	276.8	33.09	267.9	32.59	262.2	31.23	255.3	29.87	241.4	26.70
	45	276.8	286.7	37.32	276.8	34.09	267.9	32.31	262.2	30.86	255.3	29.49	241.4	26.51
		346.0	286.7	36.40	276.8	33.60	267.9	31.95	262.2	30.51	255.3	29.15	241.4	26.35
		692.0	286.7	32.74	276.8	31.66	267.9	30.51	262.2	29.15	255.3	27.78	241.4	25.70
		865.0	286.7	32.31	276.8	31.09	267.9	30.51	262.2	29.15	255.3	27.78	241.4	24.98
		1038.0	286.7	32.09	276.8	30.80	267.9	30.51	262.2	29.15	255.3	27.78	241.4	24.62
110	-5	276.8	96.5	44.18	95.9	41.06	95.2	38.22	94.2	36.61	94.5	35.55	92.4	31.82
		346.0	99.8	44.94	99.2	41.86	98.5	39.06	97.5	37.40	97.7	36.33	95.6	32.52
		692.0	112.9	47.96	112.2	45.01	111.6	42.36	110.3	40.56	110.3	39.41	108.2	35.32
		865.0	124.7	51.04	123.8	48.10	123.2	45.66	121.9	43.79	121.9	42.50	119.4	38.05
		1038.0	130.6	52.60	129.7	49.66	129.1	47.32	127.8	45.42	127.8	44.06	125.0	39.43
	0	276.8	172.4	60.45	168.6	57.86	165.1	55.98	161.9	53.61	160.4	52.12	154.4	46.59
		346.0	173.4	60.59	169.6	58.01	166.0	56.14	162.9	53.77	161.4	52.27	155.3	46.74
		692.0	177.4	61.17	173.6	58.58	169.8	56.79	166.7	54.42	165.2	52.84	158.9	47.31
		865.0	180.2	61.17	176.4	58.58	172.6	56.79	169.2	54.42	167.7	52.84	161.2	47.31
		1038.0	181.6	61.17	177.8	58.58	174.0	56.79	170.5	54.42	169.0	52.84	162.4	47.31
	5	276.8	251.5	64.97	245.5	62.53	239.8	60.93	234.4	58.35	225.3	56.71	214.4	50.79
		346.0	252.3	65.26	246.0	62.82	239.9	61.24	234.4	58.65	225.3	57.00	214.4	51.04
		692.0	255.7	66.41	247.9	63.97	240.1	62.46	234.4	59.88	225.3	58.15	214.4	52.05
		865.0	257.2	66.84	248.5	64.40	240.1	62.89	234.4	60.31	225.3	58.58	214.4	52.41
		1038.0	257.9	67.06	248.8	64.62	240.1	63.11	234.4	60.52	225.3	58.80	214.4	52.59
	10	276.8	252.4	58.26	246.2	56.27	239.5	55.05	234.0	53.20	225.0	51.44	214.1	46.25
		346.0	253.4	58.37	246.8	56.43	239.9	55.21	234.4	53.27	225.3	51.40	214.4	46.31
		692.0	257.2	58.80	249.4	57.08	241.4	55.86	235.9	53.56	226.8	51.26	215.4	46.52
		865.0	258.7	58.80	250.4	57.08	242.2	55.71	236.3	53.41	227.2	51.48	216.0	47.02
		1038.0	259.4	58.80	251.0	57.08	242.6	55.64	236.5	53.34	227.4	51.58	216.4	47.28

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	276.8	253.2	51.55	246.6	50.11	239.4	49.25	233.7	48.07	224.6	46.15	213.8	41.82
		346.0	254.2	51.48	247.5	50.11	240.1	49.25	234.4	47.89	225.3	45.80	214.4	41.64
		692.0	258.4	51.19	251.1	50.11	242.8	49.25	237.1	47.17	228.3	44.44	216.5	40.92
		865.0	259.9	50.83	252.3	49.68	244.1	48.60	238.0	46.52	228.9	44.44	217.7	41.64
		1038.0	260.7	50.65	253.0	49.46	244.7	48.28	238.4	46.20	229.2	44.44	218.4	42.00
	20	276.8	257.9	44.49	250.8	43.43	242.8	42.36	236.2	41.64	227.6	40.46	215.6	37.84
		346.0	259.3	44.58	251.7	43.43	243.5	42.36	237.1	41.64	228.3	40.28	216.5	37.76
		692.0	264.8	44.94	255.1	43.43	246.2	42.36	240.7	41.64	231.0	39.56	219.8	37.48
		865.0	266.3	44.94	257.2	43.43	247.7	42.36	241.4	40.92	232.3	39.56	220.5	37.48
		1038.0	267.0	44.94	258.2	43.43	248.4	42.36	241.7	40.56	232.9	39.56	220.8	37.48
	25	276.8	265.9	40.49	258.0	39.00	247.7	38.38	242.2	36.92	233.8	35.58	221.3	32.59
		346.0	266.5	40.42	258.0	38.84	247.7	38.19	242.2	36.76	233.8	35.39	221.3	32.59
		692.0	268.6	40.13	258.0	38.19	247.7	37.48	242.2	36.11	233.8	34.68	221.3	32.59
		865.0	269.8	40.13	258.0	38.34	247.7	36.76	242.2	36.11	233.8	34.03	221.3	31.95
		1038.0	270.5	40.13	258.0	38.41	247.7	36.40	242.2	36.11	233.8	33.70	221.3	31.62
	30	276.8	269.8	36.92	258.0	35.58	247.7	34.21	242.2	33.49	233.8	31.41	221.3	29.33
		346.0	269.8	36.76	258.0	35.39	247.7	34.03	242.2	33.31	233.8	31.23	221.3	29.15
		692.0	269.8	36.11	258.0	34.68	247.7	33.31	242.2	32.59	233.8	30.51	221.3	28.43
		865.0	269.8	35.82	258.0	34.03	247.7	32.59	242.2	31.95	233.8	30.51	221.3	28.43
		1038.0	269.8	35.68	258.0	33.70	247.7	32.23	242.2	31.62	233.8	30.51	221.3	28.43
	35	276.8	269.8	35.02	258.0	32.76	247.7	31.41	242.2	30.05	233.8	28.59	221.3	26.51
		346.0	269.8	34.68	258.0	32.59	247.7	31.23	242.2	29.87	233.8	28.43	221.3	26.35
		692.0	269.8	33.31	258.0	31.95	247.7	30.51	242.2	29.15	233.8	27.78	221.3	25.70
		865.0	269.8	32.45	258.0	31.23	247.7	29.87	242.2	29.15	233.8	27.78	221.3	25.70
		1038.0	269.8	32.02	258.0	30.87	247.7	29.54	242.2	29.15	233.8	27.78	221.3	25.70
	40	276.8	269.8	32.94	258.0	31.57	247.7	29.49	242.2	27.97	233.8	26.51	221.3	24.43
		346.0	269.8	32.59	258.0	31.23	247.7	29.15	242.2	27.78	233.8	26.35	221.3	24.27
		692.0	269.8	31.23	258.0	29.87	247.7	27.78	242.2	27.07	233.8	25.70	221.3	23.62
		865.0	269.8	30.80	258.0	29.15	247.7	27.78	242.2	26.35	233.8	24.98	221.3	22.90
		1038.0	269.8	30.58	258.0	28.79	247.7	27.78	242.2	25.99	233.8	24.62	221.3	22.54
	45	276.8	269.8	30.86	258.0	30.39	247.7	27.59	242.2	25.88	233.8	24.43	221.3	22.35
		346.0	269.8	30.51	258.0	29.87	247.7	27.07	242.2	25.70	233.8	24.27	221.3	22.18
		692.0	269.8	29.15	258.0	27.78	247.7	24.98	242.2	24.98	233.8	23.62	221.3	21.54
		865.0	269.8	29.15	258.0	27.07	247.7	25.70	242.2	23.62	233.8	22.18	221.3	20.10
		1038.0	269.8	29.15	258.0	26.70	247.7	26.06	242.2	22.93	233.8	21.46	221.3	19.38
100	-5	276.8	91.2	44.18	90.5	41.63	90.2	38.22	89.4	36.61	88.5	34.97	86.8	31.82
		346.0	94.3	44.94	93.7	42.43	93.3	39.06	92.4	37.40	91.6	35.75	89.9	32.52
		692.0	106.8	47.96	106.1	45.59	105.5	42.36	104.4	40.56	103.6	38.84	101.9	35.32
		865.0	117.9	51.04	117.1	48.75	116.5	45.66	115.4	43.79	114.6	41.86	112.5	38.05
		1038.0	123.6	52.60	122.6	50.34	122.0	47.32	120.9	45.42	120.1	43.37	117.8	39.43
	0	276.8	163.0	60.45	159.4	58.65	156.1	55.98	153.3	53.61	150.6	51.33	145.4	46.59
		346.0	163.9	60.59	160.3	58.80	157.0	56.14	154.2	53.77	151.5	51.48	146.2	46.74
		692.0	167.7	61.17	164.1	59.37	160.6	56.79	157.8	54.42	155.1	52.05	149.6	47.31
		865.0	170.3	61.17	166.7	59.37	163.1	56.79	160.1	54.42	157.4	52.05	151.9	47.31
		1038.0	171.5	61.17	167.9	59.37	164.4	56.79	161.3	54.42	158.6	52.05	153.1	47.31
	5	276.8	240.5	64.97	232.5	63.39	226.5	60.93	221.9	58.35	211.4	55.85	201.7	50.79
		346.0	241.4	65.26	232.9	63.68	226.6	61.24	221.9	58.65	211.4	56.14	201.7	51.04
		692.0	244.7	66.41	234.6	64.83	226.8	62.46	221.9	59.88	211.4	57.29	201.7	52.05
		865.0	246.2	66.84	235.2	65.26	226.8	62.89	221.9	60.31	211.4	57.65	201.7	52.41
		1038.0	247.0	67.06	235.6	65.48	226.8	63.11	221.9	60.52	211.4	57.83	201.7	52.59
	10	276.8	241.8	58.10	233.2	56.82	226.8	55.05	221.9	53.20	211.4	50.56	201.7	46.25
		346.0	242.4	58.37	233.6	57.00	226.8	55.21	221.9	53.27	211.4	50.61	201.7	46.31
		692.0	244.7	59.44	234.8	57.72	226.8	55.86	221.9	53.56	211.4	50.83	201.7	46.52
		865.0	246.4	59.23	235.9	57.72	226.8	55.71	221.9	53.41	211.4	50.69	201.7	46.31
		1038.0	247.3	59.12	236.4	57.72	226.8	55.64	221.9	53.34	211.4	50.61	201.7	46.20
	15	276.8	243.1	51.22	234.2	50.36	226.8	49.25	221.9	48.07	211.4	45.25	201.7	41.82
		346.0	243.5	51.48	234.4	50.40	226.8	49.25	221.9	47.89	211.4	45.09	201.7	41.64
		692.0	244.7	52.48	235.0	50.54	226.8	49.25	221.9	47.17	211.4	44.44	201.7	40.92
		865.0	246.8	51.62	236.3	50.11	226.8	48.60	221.9	46.52	211.4	43.72	201.7	40.28
		1038.0	247.9	51.19	236.9	49.89	226.8	48.28	221.9	46.20	211.4	43.36	201.7	39.95
	20	276.8	244.5	43.81	235.5	42.68	226.8	41.64	221.9	41.09	211.4	38.38	201.7	36.47
		346.0	245.4	44.01	235.7	42.72	226.8	41.64	221.9	40.92	211.4	38.19	201.7	36.11
		692.0	249.0	44.80	236.3	42.86	226.8	41.64	221.9	40.28	211.4	37.48	201.7	34.68
		865.0	250.4	44.01	238.4	42.50	226.8	40.92	221.9	39.56	211.4	36.76	201.7	34.03
		1038.0	251.2	43.61	239.5	42.32	226.8	40.56	221.9	39.20	211.4	36.40	201.7	33.70

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	276.8	247.4	38.30	239.2	37.10	226.8	35.58	221.9	34.21	211.4	32.13	201.7	29.15
		346.0	248.3	38.34	239.2	36.90	226.8	35.39	221.9	34.03	211.4	31.95	201.7	29.15
		692.0	251.9	38.48	239.2	36.11	226.8	34.68	221.9	33.31	211.4	31.23	201.7	29.15
		865.0	253.2	37.62	239.2	35.82	226.8	34.03	221.9	32.59	211.4	31.23	201.7	28.43
		1038.0	253.8	37.19	239.2	35.68	226.8	33.70	221.9	32.23	211.4	31.23	201.7	28.07
	30	276.8	253.2	34.84	239.2	32.13	226.8	29.94	221.9	29.33	211.4	27.07	201.7	25.88
		346.0	253.2	34.68	239.2	31.95	226.8	29.87	221.9	29.15	211.4	27.07	201.7	25.70
		692.0	253.2	34.03	239.2	31.23	226.8	29.58	221.9	28.43	211.4	27.07	201.7	24.98
		865.0	253.2	33.31	239.2	31.23	226.8	29.15	221.9	28.43	211.4	26.35	201.7	24.98
		1038.0	253.2	32.95	239.2	31.23	226.8	28.93	221.9	28.43	211.4	25.99	201.7	24.98
	35	276.8	253.2	32.31	239.2	29.49	226.8	26.42	221.9	25.88	211.4	24.43	201.7	22.35
		346.0	253.2	31.95	239.2	29.15	226.8	26.35	221.9	25.70	211.4	24.27	201.7	22.18
		692.0	253.2	30.51	239.2	27.78	226.8	26.06	221.9	24.98	211.4	23.62	201.7	21.54
		865.0	253.2	30.51	239.2	27.78	226.8	25.70	221.9	24.98	211.4	23.62	201.7	21.54
		1038.0	253.2	30.51	239.2	27.78	226.8	25.52	221.9	24.98	211.4	23.62	201.7	21.54
	40	276.8	253.2	30.23	239.2	27.41	226.8	23.69	221.9	23.08	211.4	21.72	201.7	20.27
		346.0	253.2	29.87	239.2	27.07	226.8	23.62	221.9	22.90	211.4	21.54	201.7	20.10
		692.0	253.2	28.43	239.2	25.70	226.8	23.33	221.9	22.18	211.4	20.82	201.7	19.46
		865.0	253.2	27.78	239.2	25.70	226.8	22.90	221.9	22.18	211.4	20.82	201.7	19.46
		1038.0	253.2	27.46	239.2	25.70	226.8	22.68	221.9	22.18	211.4	20.82	201.7	19.46
	45	276.8	253.2	28.15	239.2	25.33	226.8	20.89	221.9	20.27	211.4	18.92	201.7	18.18
		346.0	253.2	27.78	239.2	24.98	226.8	20.82	221.9	20.10	211.4	18.74	201.7	18.02
		692.0	253.2	26.35	239.2	23.62	226.8	20.53	221.9	19.46	211.4	18.02	201.7	17.37
		865.0	253.2	24.98	239.2	23.62	226.8	20.10	221.9	19.46	211.4	18.02	201.7	17.37
		1038.0	253.2	24.30	239.2	23.62	226.8	19.88	221.9	19.46	211.4	18.02	201.7	17.37
90	-5	276.8	86.0	41.00	83.4	37.34	81.0	32.80	80.4	31.26	79.7	30.13	78.4	27.04
		346.0	89.0	41.71	86.3	38.05	83.8	33.53	83.1	31.95	82.5	30.80	81.0	27.64
		692.0	100.8	44.51	97.7	40.85	94.7	36.40	94.1	34.68	93.5	33.46	91.6	30.01
		865.0	111.4	47.31	107.8	43.72	104.6	39.27	103.8	37.40	103.2	36.04	101.3	32.38
		1038.0	116.7	48.72	112.9	45.17	109.6	40.72	108.7	38.78	108.1	37.34	106.2	33.57
	0	276.8	154.0	55.85	146.8	52.41	140.1	48.12	138.0	45.89	135.7	44.17	130.6	39.66
		346.0	154.9	56.00	147.7	52.55	140.9	48.24	138.8	46.02	136.5	44.30	131.4	39.77
		692.0	158.4	56.57	151.1	53.13	144.3	48.75	142.0	46.52	139.7	44.80	134.6	40.20
		865.0	160.8	56.57	153.4	53.13	146.6	48.75	144.1	46.52	142.0	44.80	136.7	40.20
		1038.0	161.9	56.57	154.5	53.13	147.8	48.75	145.2	46.52	143.2	44.80	137.8	40.20
	5	276.8	217.5	59.96	210.5	56.59	203.8	52.37	199.6	49.93	190.7	48.06	181.7	43.15
		346.0	217.7	60.23	210.3	56.86	203.8	52.62	199.6	50.18	190.7	48.32	181.7	43.36
		692.0	218.6	61.31	209.7	57.94	203.8	53.63	199.6	51.19	190.7	49.32	181.7	44.22
		865.0	219.8	61.67	210.3	58.30	203.8	54.06	199.6	51.55	190.7	49.68	181.7	44.58
		1038.0	220.5	61.85	210.7	58.48	203.8	54.28	199.6	51.73	190.7	49.86	181.7	44.76
	10	276.8	218.7	52.95	211.2	50.34	203.8	47.40	199.6	45.46	190.7	43.61	181.7	39.31
		346.0	218.6	52.98	211.0	50.40	203.8	47.46	199.6	45.52	190.7	43.58	181.7	39.34
		692.0	218.1	53.13	209.9	50.61	203.8	47.67	199.6	45.73	190.7	43.43	181.7	39.49
		865.0	219.6	52.98	210.6	50.47	203.8	47.53	199.6	45.59	190.7	43.58	181.7	39.63
		1038.0	220.4	52.91	210.9	50.40	203.8	47.45	199.6	45.52	190.7	43.65	181.7	39.70
	15	276.8	219.8	45.84	212.0	44.19	203.8	42.54	199.6	41.09	190.7	39.18	181.7	35.58
		346.0	219.4	45.66	211.6	44.01	203.8	42.36	199.6	40.92	190.7	38.84	181.7	35.39
		692.0	217.9	44.94	210.1	43.29	203.8	41.64	199.6	40.28	190.7	37.48	181.7	34.68
		865.0	219.4	44.30	210.8	42.65	203.8	40.92	199.6	39.56	190.7	37.48	181.7	34.68
		1038.0	220.2	43.97	211.1	42.32	203.8	40.56	199.6	39.20	190.7	37.48	181.7	34.68
	20	276.8	221.1	38.70	212.9	37.58	203.8	36.29	199.6	34.84	190.7	33.66	181.7	31.57
		346.0	220.9	38.70	212.5	37.48	203.8	36.11	199.6	34.68	190.7	33.31	181.7	31.23
		692.0	220.0	38.70	210.8	37.05	203.8	35.39	199.6	34.03	190.7	31.95	181.7	29.87
		865.0	220.7	38.05	211.4	36.76	203.8	35.39	199.6	34.03	190.7	31.95	181.7	29.87
		1038.0	221.0	37.72	211.7	36.61	203.8	35.39	199.6	34.03	190.7	31.95	181.7	29.87
	25	276.8	224.8	33.82	215.6	32.02	203.8	30.68	199.6	29.15	190.7	27.97	181.7	25.88
		346.0	225.3	33.74	215.6	31.95	203.8	30.51	199.6	29.15	190.7	27.78	181.7	25.70
		692.0	227.4	33.46	215.6	31.66	203.8	29.87	199.6	29.15	190.7	27.07	181.7	24.98
		865.0	228.3	32.59	215.6	30.94	203.8	29.87	199.6	28.43	190.7	27.07	181.7	24.98
		1038.0	228.7	32.16	215.6	30.58	203.8	29.87	199.6	28.07	190.7	27.07	181.7	24.98
	30	276.8	228.3	30.68	215.6	28.59	203.8	26.51	199.6	25.88	190.7	24.43	181.7	22.18
		346.0	228.3	30.51	215.6	28.43	203.8	26.35	199.6	25.70	190.7	24.27	181.7	22.18
		692.0	228.3	29.87	215.6	27.78	203.8	25.70	199.6	24.98	190.7	23.62	181.7	22.18
		865.0	228.3	29.15	215.6	27.07	203.8	25.70	199.6	24.98	190.7	23.62	181.7	21.54
		1038.0	228.3	28.79	215.6	26.70	203.8	25.70	199.6	24.98	190.7	23.62	181.7	21.21

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	276.8	228.3	27.97	215.6	25.88	203.8	23.80	199.6	23.08	190.7	21.72	181.7	20.27
		346.0	228.3	27.78	215.6	25.70	203.8	23.62	199.6	22.90	190.7	21.54	181.7	20.10
		692.0	228.3	27.07	215.6	24.98	203.8	22.90	199.6	22.18	190.7	20.82	181.7	19.46
		865.0	228.3	26.35	215.6	24.27	203.8	22.18	199.6	21.54	190.7	20.82	181.7	19.46
		1038.0	228.3	25.99	215.6	23.90	203.8	21.82	199.6	21.21	190.7	20.82	181.7	19.46
	40	276.8	228.3	26.06	215.6	23.80	203.8	21.00	199.6	20.27	190.7	19.64	181.7	18.18
		346.0	228.3	25.70	215.6	23.62	203.8	20.82	199.6	20.10	190.7	19.46	181.7	18.02
		692.0	228.3	24.27	215.6	22.90	203.8	20.10	199.6	19.46	190.7	18.74	181.7	17.37
		865.0	228.3	24.27	215.6	22.90	203.8	20.10	199.6	19.46	190.7	18.74	181.7	17.37
		1038.0	228.3	24.27	215.6	22.90	203.8	20.10	199.6	19.46	190.7	18.74	181.7	17.37
	45	276.8	228.3	24.15	215.6	21.72	203.8	18.18	199.6	17.56	190.7	17.56	181.7	16.10
		346.0	228.3	23.62	215.6	21.54	203.8	18.02	199.6	17.37	190.7	17.37	181.7	15.94
		692.0	228.3	21.54	215.6	20.82	203.8	17.37	199.6	16.66	190.7	16.66	181.7	15.29
		865.0	228.3	22.18	215.6	21.54	203.8	18.02	199.6	17.37	190.7	16.66	181.7	15.29
		1038.0	228.3	22.51	215.6	21.90	203.8	18.35	199.6	17.74	190.7	16.66	181.7	15.29
80	-5	276.8	81.4	29.21	76.3	28.10	72.2	26.92	71.4	26.00	71.0	24.80	69.5	22.84
		346.0	84.2	29.87	78.9	28.72	74.7	27.50	73.8	26.56	73.4	25.34	71.9	23.33
		692.0	95.2	32.45	89.2	31.16	84.4	29.79	83.5	28.79	83.1	27.50	81.4	25.27
		865.0	105.3	34.96	98.5	33.60	93.3	32.16	92.2	31.09	91.8	29.65	89.9	27.28
		1038.0	110.4	36.23	103.2	34.83	97.7	33.36	96.6	32.24	96.1	30.74	94.1	28.29
	0	276.8	145.3	42.88	134.0	41.15	124.8	39.45	122.5	38.09	120.8	36.29	116.2	33.44
		346.0	146.2	43.00	134.8	41.28	125.5	39.56	123.2	38.19	121.5	36.40	116.9	33.53
		692.0	149.8	43.51	138.0	41.78	128.5	39.99	126.2	38.62	124.5	36.83	119.6	33.89
		865.0	151.9	43.51	140.1	41.78	130.6	39.99	128.1	38.62	126.4	36.83	121.5	33.89
		1038.0	153.0	43.51	141.2	41.78	131.7	39.99	129.0	38.62	127.3	36.83	122.5	33.89
	5	276.8	201.1	46.63	189.7	44.87	181.4	42.84	177.4	41.42	169.8	39.50	161.4	36.34
		346.0	201.5	46.88	190.1	45.09	181.4	43.08	177.4	41.64	169.8	39.70	161.4	36.54
		692.0	203.2	47.89	191.6	45.95	181.7	44.01	177.4	42.50	169.8	40.49	161.4	37.33
		865.0	203.2	48.17	191.4	46.31	181.7	44.30	177.4	42.79	169.8	40.78	161.4	37.55
		1038.0	203.2	48.32	191.2	46.49	181.7	44.44	177.4	42.93	169.8	40.92	161.4	37.66
	10	276.8	202.1	42.91	190.5	40.98	181.4	38.89	177.4	37.82	169.8	35.81	161.4	33.15
		346.0	202.3	42.86	190.7	40.92	181.4	38.91	177.4	37.83	169.8	35.82	161.4	33.17
		692.0	203.2	42.65	191.6	40.71	181.7	38.98	177.4	37.91	169.8	35.90	161.4	33.24
		865.0	203.2	42.50	191.4	40.85	181.7	39.13	177.4	37.69	169.8	35.68	161.4	33.02
		1038.0	203.2	42.43	191.2	40.92	181.7	39.20	177.4	37.58	169.8	35.57	161.4	32.92
	15	276.8	203.2	39.18	191.4	37.10	181.7	34.84	177.4	34.21	169.8	32.13	161.4	30.05
		346.0	203.2	38.84	191.4	36.76	181.7	34.68	177.4	34.03	169.8	31.95	161.4	29.87
		692.0	203.2	37.48	191.4	35.39	181.7	34.03	177.4	33.31	169.8	31.23	161.4	29.15
		865.0	203.2	36.76	191.4	35.39	181.7	34.03	177.4	32.59	169.8	30.51	161.4	28.43
		1038.0	203.2	36.40	191.4	35.39	181.7	34.03	177.4	32.23	169.8	30.15	161.4	28.07
	20	276.8	203.2	32.76	191.4	31.41	181.7	29.87	177.4	29.33	169.8	27.97	161.4	25.88
		346.0	203.2	32.59	191.4	31.23	181.7	29.87	177.4	29.15	169.8	27.78	161.4	25.70
		692.0	203.2	31.95	191.4	30.51	181.7	29.87	177.4	28.43	169.8	27.07	161.4	24.98
		865.0	203.2	31.23	191.4	29.87	181.7	29.15	177.4	28.43	169.8	26.35	161.4	24.98
		1038.0	203.2	30.87	191.4	29.54	181.7	28.79	177.4	28.43	169.8	25.99	161.4	24.98
	25	276.8	203.2	29.33	191.4	27.25	181.7	25.70	177.4	25.17	169.8	23.80	161.4	22.35
		346.0	203.2	29.15	191.4	27.07	181.7	25.70	177.4	24.98	169.8	23.62	161.4	22.18
		692.0	203.2	28.43	191.4	26.35	181.7	25.70	177.4	24.27	169.8	22.90	161.4	21.54
		865.0	203.2	27.78	191.4	26.35	181.7	24.98	177.4	24.27	169.8	22.90	161.4	21.54
		1038.0	203.2	27.46	191.4	26.35	181.7	24.62	177.4	24.27	169.8	22.90	161.4	21.54
	30	276.8	203.2	25.88	191.4	24.43	181.7	23.08	177.4	22.35	169.8	21.00	161.4	19.64
		346.0	203.2	25.70	191.4	24.27	181.7	22.90	177.4	22.18	169.8	20.82	161.4	19.46
		692.0	203.2	24.98	191.4	23.62	181.7	22.18	177.4	21.54	169.8	20.10	161.4	18.74
		865.0	203.2	24.98	191.4	23.62	181.7	22.18	177.4	21.54	169.8	20.10	161.4	18.74
		1038.0	203.2	24.98	191.4	23.62	181.7	22.18	177.4	21.54	169.8	20.10	161.4	18.74
	35	276.8	203.2	23.80	191.4	22.35	181.7	20.27	177.4	19.46	169.8	18.92	161.4	17.37
		346.0	203.2	23.62	191.4	22.18	181.7	20.10	177.4	19.46	169.8	18.74	161.4	17.37
		692.0	203.2	22.90	191.4	21.54	181.7	19.46	177.4	19.46	169.8	18.02	161.4	17.37
		865.0	203.2	22.90	191.4	20.82	181.7	19.46	177.4	18.74	169.8	18.02	161.4	16.66
		1038.0	203.2	22.90	191.4	20.46	181.7	19.46	177.4	18.38	169.8	18.02	161.4	16.29
	40	276.8	203.2	22.53	191.4	20.27	181.7	18.02	177.4	18.18	169.8	16.66	161.4	16.10
		346.0	203.2	22.18	191.4	20.10	181.7	18.02	177.4	18.02	169.8	16.66	161.4	15.94
		692.0	203.2	20.82	191.4	19.46	181.7	18.02	177.4	17.37	169.8	16.66	161.4	15.29
		865.0	203.2	20.82	191.4	19.46	181.7	17.37	177.4	17.37	169.8	16.66	161.4	15.29
		1038.0	203.2	20.82	191.4	19.46	181.7	17.05	177.4	17.37	169.8	16.66	161.4	15.29

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	276.8	203.2	21.35	191.4	18.18	181.7	15.76	177.4	17.00	169.8	14.39	161.4	14.92
		346.0	203.2	20.82	191.4	18.02	181.7	15.94	177.4	16.66	169.8	14.57	161.4	14.57
		692.0	203.2	18.74	191.4	17.37	181.7	16.66	177.4	15.29	169.8	15.29	161.4	13.21
		865.0	203.2	18.74	191.4	18.02	181.7	15.29	177.4	15.94	169.8	15.29	161.4	13.86
		1038.0	203.2	18.74	191.4	18.35	181.7	14.60	177.4	16.26	169.8	15.29	161.4	14.18
70	-5	276.8	71.0	25.09	66.7	23.88	63.1	23.11	62.4	21.78	62.0	21.01	61.0	19.11
		346.0	73.4	25.63	69.0	24.41	65.2	23.62	64.6	22.26	64.1	21.47	63.1	19.53
		692.0	83.1	27.78	78.1	26.49	73.6	25.63	73.0	24.12	72.6	23.26	71.3	21.18
		865.0	92.0	30.01	86.3	28.57	81.4	27.64	80.8	25.99	80.2	25.13	78.7	22.83
		1038.0	96.5	31.13	90.4	29.62	85.4	28.65	84.7	26.93	84.0	26.07	82.4	23.66
	0	276.8	127.1	36.72	117.5	35.02	109.1	33.85	107.2	31.86	105.5	30.78	101.7	28.00
		346.0	127.9	36.83	118.1	35.11	109.7	33.96	107.8	31.95	106.1	30.87	102.3	28.07
		692.0	130.8	37.26	120.9	35.47	112.2	34.39	110.3	32.31	108.7	31.23	104.6	28.36
		865.0	132.7	37.26	122.8	35.47	113.9	34.39	112.0	32.31	110.3	31.23	106.3	28.36
		1038.0	133.7	37.26	123.7	35.47	114.8	34.39	112.9	32.31	111.2	31.23	107.2	28.36
	5	276.8	175.6	40.00	166.4	38.07	158.4	36.85	155.1	34.73	148.1	33.49	141.1	30.42
		346.0	176.0	40.20	166.7	38.27	158.4	37.05	155.1	34.89	148.1	33.67	141.1	30.58
		692.0	177.4	40.99	167.9	39.06	158.7	37.83	155.1	35.54	148.1	34.39	141.1	31.23
		865.0	177.4	41.28	167.7	39.34	158.7	38.12	155.1	35.82	148.1	34.60	141.1	31.45
		1038.0	177.4	41.43	167.6	39.49	158.7	38.27	155.1	35.97	148.1	34.71	141.1	31.55
	10	276.8	176.4	36.83	166.9	34.82	158.7	33.53	155.1	31.66	148.1	30.37	141.1	27.78
		346.0	176.6	36.76	167.1	34.75	158.7	33.46	155.1	31.66	148.1	30.37	141.1	27.78
		692.0	177.4	36.47	167.7	34.46	158.7	33.17	155.1	31.66	148.1	30.37	141.1	27.78
		865.0	177.4	36.61	167.7	34.60	158.7	33.31	155.1	31.80	148.1	30.15	141.1	27.86
		1038.0	177.4	36.69	167.7	34.68	158.7	33.38	155.1	31.88	148.1	30.04	141.1	27.89
	15	276.8	177.4	33.66	167.7	31.57	158.7	30.23	155.1	28.59	148.1	27.25	141.1	25.17
		346.0	177.4	33.31	167.7	31.23	158.7	29.87	155.1	28.43	148.1	27.07	141.1	24.98
		692.0	177.4	31.95	167.7	29.87	158.7	28.43	155.1	27.78	148.1	26.35	141.1	24.27
		865.0	177.4	31.95	167.7	29.87	158.7	28.43	155.1	27.78	148.1	25.70	141.1	24.27
		1038.0	177.4	31.95	167.7	29.87	158.7	28.43	155.1	27.78	148.1	25.38	141.1	24.27
	20	276.8	177.4	27.97	167.7	26.51	158.7	25.88	155.1	25.17	148.1	23.80	141.1	22.35
		346.0	177.4	27.78	167.7	26.35	158.7	25.70	155.1	24.98	148.1	23.62	141.1	22.18
		692.0	177.4	27.07	167.7	25.70	158.7	24.98	155.1	24.27	148.1	22.90	141.1	21.54
		865.0	177.4	27.07	167.7	25.70	158.7	24.98	155.1	23.62	148.1	22.90	141.1	20.82
		1038.0	177.4	27.07	167.7	25.70	158.7	24.98	155.1	23.29	148.1	22.90	141.1	20.46
	25	276.8	177.4	25.17	167.7	23.80	158.7	22.35	155.1	21.72	148.1	20.10	141.1	18.74
		346.0	177.4	24.98	167.7	23.62	158.7	22.18	155.1	21.54	148.1	20.10	141.1	18.74
		692.0	177.4	24.27	167.7	22.90	158.7	21.54	155.1	20.82	148.1	20.10	141.1	18.74
		865.0	177.4	23.62	167.7	22.18	158.7	21.54	155.1	20.82	148.1	19.46	141.1	18.74
		1038.0	177.4	23.29	167.7	21.82	158.7	21.54	155.1	20.82	148.1	19.13	141.1	18.74
	30	276.8	177.4	22.35	167.7	21.00	158.7	19.64	155.1	18.74	148.1	18.18	141.1	16.66
		346.0	177.4	22.18	167.7	20.82	158.7	19.46	155.1	18.74	148.1	18.02	141.1	16.66
		692.0	177.4	21.54	167.7	20.10	158.7	18.74	155.1	18.74	148.1	17.37	141.1	16.66
		865.0	177.4	21.54	167.7	20.10	158.7	18.74	155.1	18.02	148.1	17.37	141.1	16.66
		1038.0	177.4	21.54	167.7	20.10	158.7	18.74	155.1	17.66	148.1	17.37	141.1	16.66
	35	276.8	177.4	20.27	167.7	18.92	158.7	17.37	155.1	17.56	148.1	15.94	141.1	15.47
		346.0	177.4	20.10	167.7	18.74	158.7	17.37	155.1	17.37	148.1	15.94	141.1	15.29
		692.0	177.4	19.46	167.7	18.02	158.7	17.37	155.1	16.66	148.1	15.94	141.1	14.57
		865.0	177.4	19.46	167.7	18.02	158.7	16.66	155.1	16.66	148.1	15.94	141.1	14.57
		1038.0	177.4	19.46	167.7	18.02	158.7	16.29	155.1	16.66	148.1	15.94	141.1	14.57
	40	276.8	177.4	18.92	167.7	17.56	158.7	16.10	155.1	15.29	148.1	14.57	141.1	14.02
		346.0	177.4	18.74	167.7	17.37	158.7	15.94	155.1	15.29	148.1	14.57	141.1	13.86
		692.0	177.4	18.02	167.7	16.66	158.7	15.29	155.1	15.29	148.1	14.57	141.1	13.21
		865.0	177.4	18.02	167.7	16.66	158.7	15.29	155.1	14.57	148.1	13.86	141.1	13.21
		1038.0	177.4	18.02	167.7	16.66	158.7	15.29	155.1	14.21	148.1	13.49	141.1	13.21
	45	276.8	177.4	17.56	167.7	16.10	158.7	14.92	155.1	13.05	148.1	13.21	141.1	12.67
		346.0	177.4	17.37	167.7	15.94	158.7	14.57	155.1	13.21	148.1	13.21	141.1	12.49
		692.0	177.4	16.66	167.7	15.29	158.7	13.21	155.1	13.86	148.1	13.21	141.1	11.77
		865.0	177.4	16.66	167.7	15.29	158.7	13.86	155.1	12.49	148.1	11.77	141.1	11.77
		1038.0	177.4	16.66	167.7	15.29	158.7	14.18	155.1	11.80	148.1	11.05	141.1	11.77
60	-5	276.8	61.0	20.37	57.1	19.60	54.0	18.82	53.4	17.50	53.2	17.21	52.2	15.38
		346.0	63.1	20.82	59.1	20.03	55.9	19.24	55.3	17.88	55.1	17.59	54.0	15.72
		692.0	71.5	22.61	66.9	21.75	63.3	20.89	62.7	19.38	62.4	19.10	61.2	17.09
		865.0	78.9	24.34	73.8	23.48	70.0	22.54	69.2	20.96	69.0	20.60	67.5	18.38
		1038.0	82.6	25.21	77.4	24.34	73.4	23.38	72.5	21.76	72.3	21.36	70.7	19.03

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	276.8	109.1	29.85	100.5	28.79	93.7	27.55	91.9	25.63	90.6	25.27	87.3	22.56
		346.0	109.7	29.94	101.1	28.86	94.3	27.64	92.4	25.70	91.1	25.34	87.8	22.61
		692.0	112.2	30.30	103.4	29.15	96.6	28.00	94.5	25.99	93.3	25.63	89.7	22.83
		865.0	113.9	30.30	105.1	29.15	98.1	28.00	96.0	25.99	94.7	25.63	91.1	22.83
		1038.0	114.8	30.30	105.9	29.15	98.8	28.00	96.7	25.99	95.5	25.63	91.9	22.83
	5	276.8	150.7	32.50	142.1	31.28	136.3	29.99	132.9	27.93	127.2	27.50	121.1	24.50
		346.0	151.1	32.67	142.4	31.45	136.3	30.15	132.9	28.07	127.2	27.64	121.1	24.63
		692.0	152.3	33.31	143.5	32.09	136.3	30.80	132.9	28.65	127.2	28.21	121.1	25.13
		865.0	152.3	33.60	143.3	32.31	136.3	31.01	132.9	28.86	127.2	28.36	121.1	25.34
		1038.0	152.3	33.74	143.1	32.42	136.3	31.12	132.9	28.97	127.2	28.43	121.1	25.45
	10	276.8	151.5	29.87	142.7	28.57	136.3	27.21	132.9	25.41	127.2	24.93	121.1	22.35
		346.0	151.7	29.87	142.8	28.57	136.3	27.21	132.9	25.49	127.2	24.91	121.1	22.40
		692.0	152.3	29.87	143.5	28.57	136.3	27.21	132.9	25.77	127.2	24.84	121.1	22.61
		865.0	152.3	29.94	143.3	28.29	136.3	26.92	132.9	25.49	127.2	24.63	121.1	22.40
		1038.0	152.3	29.97	143.1	28.14	136.3	26.78	132.9	25.34	127.2	24.52	121.1	22.29
	15	276.8	152.3	27.25	143.3	25.88	136.3	24.43	132.9	22.90	127.2	22.35	121.1	20.10
		346.0	152.3	27.07	143.3	25.70	136.3	24.27	132.9	22.90	127.2	22.18	121.1	20.10
		692.0	152.3	26.35	143.3	24.98	136.3	23.62	132.9	22.90	127.2	21.54	121.1	20.10
		865.0	152.3	26.35	143.3	24.27	136.3	22.90	132.9	22.18	127.2	20.82	121.1	19.46
		1038.0	152.3	26.35	143.3	23.90	136.3	22.54	132.9	21.82	127.2	20.46	121.1	19.13
	20	276.8	152.3	23.80	143.3	22.35	136.3	21.00	132.9	20.27	127.2	19.64	121.1	18.18
		346.0	152.3	23.62	143.3	22.18	136.3	20.82	132.9	20.10	127.2	19.46	121.1	18.02
		692.0	152.3	22.90	143.3	21.54	136.3	20.10	132.9	19.46	127.2	18.74	121.1	17.37
		865.0	152.3	22.90	143.3	21.54	136.3	20.10	132.9	19.46	127.2	18.74	121.1	17.37
		1038.0	152.3	22.90	143.3	21.54	136.3	20.10	132.9	19.46	127.2	18.74	121.1	17.37
	25	276.8	152.3	21.00	143.3	19.64	136.3	18.02	132.9	18.18	127.2	16.66	121.1	16.10
		346.0	152.3	20.82	143.3	19.46	136.3	18.02	132.9	18.02	127.2	16.66	121.1	15.94
		692.0	152.3	20.10	143.3	18.74	136.3	18.02	132.9	17.37	127.2	16.66	121.1	15.29
		865.0	152.3	20.10	143.3	18.74	136.3	17.37	132.9	17.37	127.2	16.66	121.1	15.29
		1038.0	152.3	20.10	143.3	18.74	136.3	17.05	132.9	17.37	127.2	16.66	121.1	15.29
	30	276.8	152.3	18.92	143.3	17.56	136.3	16.84	132.9	16.10	127.2	15.47	121.1	14.76
		346.0	152.3	18.74	143.3	17.37	136.3	16.66	132.9	15.94	127.2	15.29	121.1	14.57
		692.0	152.3	18.02	143.3	16.66	136.3	15.94	132.9	15.29	127.2	14.57	121.1	13.86
		865.0	152.3	18.02	143.3	16.66	136.3	15.94	132.9	15.29	127.2	14.57	121.1	13.86
		1038.0	152.3	18.02	143.3	16.66	136.3	15.94	132.9	15.29	127.2	14.57	121.1	13.86
	35	276.8	152.3	16.66	143.3	16.10	136.3	14.57	132.9	14.76	127.2	14.02	121.1	13.39
		346.0	152.3	16.66	143.3	15.94	136.3	14.57	132.9	14.57	127.2	13.86	121.1	13.21
		692.0	152.3	16.66	143.3	15.29	136.3	14.57	132.9	13.86	127.2	13.21	121.1	12.49
		865.0	152.3	16.66	143.3	15.29	136.3	13.86	132.9	13.86	127.2	13.21	121.1	12.49
		1038.0	152.3	16.66	143.3	15.29	136.3	13.49	132.9	13.86	127.2	13.21	121.1	12.49
	40	276.8	152.3	15.29	143.3	14.76	136.3	13.21	132.9	13.39	127.2	12.67	121.1	11.77
		346.0	152.3	15.29	143.3	14.57	136.3	13.21	132.9	13.21	127.2	12.49	121.1	11.77
		692.0	152.3	15.29	143.3	13.86	136.3	13.21	132.9	12.49	127.2	11.77	121.1	11.77
		865.0	152.3	15.29	143.3	13.86	136.3	13.21	132.9	12.49	127.2	11.77	121.1	11.77
		1038.0	152.3	15.29	143.3	13.86	136.3	13.21	132.9	12.49	127.2	11.77	121.1	11.77
	45	276.8	152.3	13.86	143.3	13.39	136.3	11.77	132.9	11.94	127.2	11.31	121.1	10.23
		346.0	152.3	13.86	143.3	13.21	136.3	11.77	132.9	11.77	127.2	11.13	121.1	10.41
		692.0	152.3	13.86	143.3	12.49	136.3	11.77	132.9	11.13	127.2	10.41	121.1	11.13
		865.0	152.3	13.86	143.3	12.49	136.3	12.49	132.9	11.13	127.2	10.41	121.1	11.13
		1038.0	152.3	13.86	143.3	12.49	136.3	12.85	132.9	11.13	127.2	10.41	121.1	11.13
50	-5	276.8	50.8	16.24	47.8	15.38	45.1	14.55	44.4	13.76	44.2	12.92	43.4	12.24
		346.0	52.5	16.58	49.4	15.72	46.6	14.86	46.0	14.07	45.8	13.21	44.9	12.49
		692.0	59.3	17.95	55.7	17.09	52.7	16.08	52.1	15.29	51.9	14.36	50.8	13.50
		865.0	65.6	19.38	61.6	18.38	58.2	17.37	57.6	16.51	57.2	15.44	56.3	14.57
		1038.0	68.8	20.11	64.6	19.03	61.0	18.03	60.4	17.13	59.8	15.98	59.1	15.12
	0	276.8	90.6	23.78	83.9	22.56	78.0	21.25	76.3	20.17	75.3	18.97	72.6	17.89
		346.0	91.1	23.84	84.4	22.61	78.5	21.32	76.8	20.25	75.7	19.03	73.0	17.95
		692.0	93.3	24.05	86.3	22.83	80.4	21.61	78.7	20.53	77.6	19.24	74.7	18.16
		865.0	94.7	24.05	87.6	22.83	81.4	21.61	80.0	20.53	78.7	19.24	76.0	18.16
		1038.0	95.5	24.05	88.2	22.83	82.0	21.61	80.6	20.53	79.2	19.24	76.6	18.16
	5	276.8	125.3	25.86	118.8	24.50	113.2	23.13	110.6	22.00	105.7	20.66	100.8	19.42
		346.0	125.5	25.99	119.0	24.63	113.3	23.26	110.6	22.11	105.7	20.75	100.8	19.53
		692.0	126.6	26.49	119.8	25.13	113.5	23.76	110.6	22.54	105.7	21.11	100.8	19.96
		865.0	126.6	26.71	119.6	25.34	113.5	23.91	110.6	22.69	105.7	21.32	100.8	20.10
		1038.0	126.6	26.82	119.5	25.45	113.5	23.98	110.6	22.76	105.7	21.43	100.8	20.17

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(72HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	276.8	126.1	23.80	119.0	22.42	113.2	21.07	110.6	20.14	105.7	18.61	100.8	17.77
		346.0	126.2	23.76	119.2	22.40	113.3	21.04	110.6	20.10	105.7	18.67	100.8	17.73
		692.0	126.6	23.62	119.8	22.33	113.5	20.89	110.6	19.96	105.7	18.88	100.8	17.59
		865.0	126.6	23.76	119.6	22.40	113.5	20.96	110.6	20.03	105.7	18.59	100.8	17.66
		1038.0	126.6	23.84	119.5	22.44	113.5	21.00	110.6	20.07	105.7	18.45	100.8	17.70
	15	276.8	126.6	21.72	119.6	20.27	113.5	18.92	110.6	18.18	105.7	16.66	100.8	16.10
		346.0	126.6	21.54	119.6	20.10	113.5	18.74	110.6	18.02	105.7	16.66	100.8	15.94
		692.0	126.6	20.82	119.6	19.46	113.5	18.02	110.6	17.37	105.7	16.66	100.8	15.29
		865.0	126.6	20.82	119.6	19.46	113.5	18.02	110.6	17.37	105.7	15.94	100.8	15.29
		1038.0	126.6	20.82	119.6	19.46	113.5	18.02	110.6	17.37	105.7	15.58	100.8	15.29
	20	276.8	126.6	18.92	119.6	17.56	113.5	16.84	110.6	16.10	105.7	15.47	100.8	13.86
		346.0	126.6	18.74	119.6	17.37	113.5	16.66	110.6	15.94	105.7	15.29	100.8	13.86
		692.0	126.6	18.02	119.6	16.66	113.5	15.94	110.6	15.29	105.7	14.57	100.8	13.86
		865.0	126.6	18.02	119.6	16.66	113.5	15.94	110.6	15.29	105.7	14.57	100.8	13.86
		1038.0	126.6	18.02	119.6	16.66	113.5	15.94	110.6	15.29	105.7	14.57	100.8	13.86
	25	276.8	126.6	16.84	119.6	15.29	113.5	14.76	110.6	13.86	105.7	13.21	100.8	12.49
		346.0	126.6	16.66	119.6	15.29	113.5	14.57	110.6	13.86	105.7	13.21	100.8	12.49
		692.0	126.6	15.94	119.6	15.29	113.5	13.86	110.6	13.86	105.7	13.21	100.8	12.49
		865.0	126.6	15.94	119.6	15.29	113.5	13.86	110.6	13.86	105.7	13.21	100.8	12.49
		1038.0	126.6	15.94	119.6	15.29	113.5	13.86	110.6	13.86	105.7	13.21	100.8	12.49
	30	276.8	126.6	15.47	119.6	14.02	113.5	13.39	110.6	12.49	105.7	12.67	100.8	11.94
		346.0	126.6	15.29	119.6	13.86	113.5	13.21	110.6	12.49	105.7	12.49	100.8	11.77
		692.0	126.6	14.57	119.6	13.21	113.5	12.49	110.6	12.49	105.7	11.77	100.8	11.13
		865.0	126.6	14.57	119.6	13.21	113.5	12.49	110.6	12.49	105.7	11.77	100.8	11.13
		1038.0	126.6	14.57	119.6	13.21	113.5	12.49	110.6	12.49	105.7	11.77	100.8	11.13
	35	276.8	126.6	14.02	119.6	12.49	113.5	11.77	110.6	11.94	105.7	11.13	100.8	10.41
		346.0	126.6	13.86	119.6	12.49	113.5	11.77	110.6	11.77	105.7	11.13	100.8	10.41
		692.0	126.6	13.21	119.6	12.49	113.5	11.77	110.6	11.13	105.7	11.13	100.8	10.41
		865.0	126.6	13.21	119.6	12.49	113.5	11.77	110.6	11.13	105.7	11.13	100.8	10.41
		1038.0	126.6	13.21	119.6	12.49	113.5	11.77	110.6	11.13	105.7	11.13	100.8	10.41
	40	276.8	126.6	12.67	119.6	11.94	113.5	11.31	110.6	10.41	105.7	10.59	100.8	9.69
		346.0	126.6	12.49	119.6	11.77	113.5	11.13	110.6	10.41	105.7	10.41	100.8	9.69
		692.0	126.6	11.77	119.6	11.13	113.5	10.41	110.6	10.41	105.7	9.69	100.8	9.69
		865.0	126.6	11.77	119.6	11.13	113.5	10.41	110.6	10.41	105.7	9.69	100.8	9.69
		1038.0	126.6	11.77	119.6	11.13	113.5	10.41	110.6	10.41	105.7	9.69	100.8	9.69
	45	276.8	126.6	11.31	119.6	11.49	113.5	10.75	110.6	8.88	105.7	10.04	100.8	9.05
		346.0	126.6	11.13	119.6	11.13	113.5	10.41	110.6	9.05	105.7	9.69	100.8	9.05
		692.0	126.6	10.41	119.6	9.69	113.5	9.05	110.6	9.69	105.7	8.33	100.8	9.05
		865.0	126.6	10.41	119.6	9.69	113.5	9.05	110.6	9.69	105.7	8.33	100.8	9.05
		1038.0	126.6	10.41	119.6	9.69	113.5	9.05	110.6	9.69	105.7	8.33	100.8	9.05

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(74HP)

ARWN740LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	284.4	110.3	45.22	109.5	42.58	108.8	39.63	107.4	38.46	108.6	37.46	105.6	33.59
		355.5	114.1	46.01	113.2	43.40	112.5	40.50	111.0	39.31	112.3	38.27	109.3	34.32
		711.0	129.0	49.14	127.9	46.68	127.3	43.92	125.5	42.66	127.1	41.47	123.8	37.22
		888.8	142.7	52.26	141.4	49.88	140.5	47.35	138.8	46.08	140.5	44.74	136.8	40.13
		1066.5	149.6	53.84	148.2	51.49	147.2	49.07	145.4	47.81	147.3	46.39	143.4	41.59
	0	284.4	197.0	61.85	192.5	60.00	188.4	58.05	184.3	56.41	185.0	54.87	176.5	49.13
		355.5	198.2	62.02	193.6	60.15	189.5	58.22	185.4	56.58	186.0	55.02	177.6	49.28
		711.0	203.0	62.69	198.0	60.75	193.9	58.89	189.7	57.25	190.4	55.61	181.9	49.88
		888.8	206.0	62.69	201.0	60.75	196.9	58.89	192.6	57.25	193.2	55.61	184.5	49.88
		1066.5	207.5	62.69	202.5	60.75	198.4	58.89	194.0	57.25	194.6	55.61	185.8	49.88
	5	284.4	283.7	66.48	279.4	64.84	273.6	63.18	266.7	61.40	259.6	59.70	245.2	53.47
		355.5	284.7	66.78	279.9	65.14	273.6	63.50	266.7	61.72	259.6	60.01	245.2	53.75
		711.0	288.6	67.97	281.9	66.33	273.9	64.77	266.7	62.98	259.6	61.20	245.2	54.87
		888.8	290.3	68.42	282.8	66.78	273.9	65.22	266.7	63.43	259.6	61.64	245.2	55.24
		1066.5	291.2	68.64	283.2	67.01	273.9	65.44	266.7	63.66	259.6	61.87	245.2	55.43
	10	284.4	284.1	60.49	279.5	58.46	272.8	57.36	265.6	56.08	258.6	54.16	244.3	48.88
		355.5	285.8	60.38	280.8	58.52	273.9	57.47	266.7	56.06	259.6	54.12	245.2	48.84
		711.0	292.5	59.93	286.0	58.74	278.2	57.92	271.0	55.99	263.5	53.98	249.1	48.69
		888.8	294.0	60.75	288.0	59.56	279.9	58.14	272.3	56.21	265.2	54.87	250.7	51.00
		1066.5	294.8	61.16	288.9	59.97	280.8	58.26	273.0	56.32	266.1	55.32	251.4	52.16
	15	284.4	284.5	54.52	279.5	52.19	271.7	51.63	264.5	50.78	257.6	48.62	243.3	44.30
		355.5	286.9	53.98	281.7	51.96	273.9	51.52	266.7	50.40	259.6	48.24	245.2	43.92
		711.0	296.2	51.82	290.1	51.07	282.5	51.07	275.4	48.91	267.4	46.75	253.0	42.44
		888.8	297.7	53.08	292.9	52.26	286.0	51.07	278.2	48.91	271.0	48.09	256.1	46.75
		1066.5	298.5	53.72	294.4	52.86	287.8	51.07	279.6	48.91	272.9	48.77	257.6	48.93
	20	284.4	295.4	50.01	289.9	47.68	282.3	46.64	274.5	45.15	266.5	44.14	250.7	42.79
		355.5	297.7	49.66	292.3	47.65	284.5	46.60	276.7	45.34	268.9	44.45	253.0	42.44
		711.0	307.0	48.24	301.6	47.50	293.2	46.46	285.4	46.08	278.2	45.64	262.4	41.02
		888.8	308.3	48.24	303.8	47.50	296.6	46.75	288.2	46.08	280.4	45.64	264.5	43.63
		1066.5	309.0	48.24	304.9	47.50	298.4	46.90	289.6	46.08	281.5	45.64	265.6	44.94
	25	284.4	311.8	47.69	303.8	46.31	296.6	45.53	291.0	44.76	284.5	44.11	268.2	41.21
		355.5	311.8	47.50	303.8	46.23	296.6	45.34	291.0	44.59	284.5	43.92	268.2	41.02
		711.0	311.8	46.75	303.8	45.93	296.6	44.59	291.0	43.92	284.5	43.18	268.2	40.28
		888.8	311.8	46.08	303.8	44.74	296.6	43.92	291.0	43.18	284.5	42.44	268.2	39.61
		1066.5	311.8	45.75	303.8	44.14	296.6	43.59	291.0	42.80	284.5	42.06	268.2	39.27
	30	284.4	311.8	46.46	303.8	44.15	296.6	43.74	291.0	42.60	284.5	42.14	268.2	39.22
		355.5	311.8	46.08	303.8	44.07	296.6	43.48	291.0	42.44	284.5	41.77	268.2	38.86
		711.0	311.8	44.59	303.8	43.78	296.6	42.44	291.0	41.77	284.5	40.28	268.2	37.45
		888.8	311.8	43.92	303.8	42.58	296.6	41.77	291.0	41.02	284.5	40.28	268.2	37.45
		1066.5	311.8	43.59	303.8	41.98	296.6	41.43	291.0	40.65	284.5	40.28	268.2	37.45
	35	284.4	311.8	44.30	303.8	42.83	296.6	41.95	291.0	40.45	284.5	39.05	268.2	36.32
		355.5	311.8	43.92	303.8	42.58	296.6	41.77	291.0	40.28	284.5	38.86	268.2	35.96
		711.0	311.8	42.44	303.8	41.62	296.6	41.02	291.0	39.61	284.5	38.12	268.2	34.54
		888.8	311.8	42.44	303.8	41.17	296.6	40.28	291.0	38.86	284.5	37.45	268.2	34.54
		1066.5	311.8	42.44	303.8	40.94	296.6	39.90	291.0	38.49	284.5	37.11	268.2	34.54
	40	284.4	311.8	42.79	303.8	41.43	296.6	40.63	291.0	39.22	284.5	37.82	268.2	34.16
		355.5	311.8	42.44	303.8	41.17	296.6	40.28	291.0	38.86	284.5	37.45	268.2	33.80
		711.0	311.8	41.02	303.8	40.13	296.6	38.86	291.0	37.45	284.5	35.96	268.2	32.39
		888.8	311.8	40.28	303.8	39.46	296.6	38.86	291.0	37.45	284.5	35.96	268.2	32.39
		1066.5	311.8	39.90	303.8	39.12	296.6	38.86	291.0	37.45	284.5	35.96	268.2	32.39
	45	284.4	311.8	41.38	303.8	40.02	296.6	39.41	291.0	37.99	284.5	36.50	268.2	32.00
		355.5	311.8	41.02	303.8	39.76	296.6	38.86	291.0	37.45	284.5	35.96	268.2	31.64
		711.0	311.8	39.61	303.8	38.71	296.6	36.70	291.0	35.29	284.5	33.80	268.2	30.23
		888.8	311.8	38.12	303.8	37.75	296.6	37.45	291.0	35.96	284.5	34.54	268.2	30.23
		1066.5	311.8	37.37	303.8	37.26	296.6	37.82	291.0	36.30	284.5	34.92	268.2	30.23
120	-5	284.4	104.8	45.22	104.0	42.58	103.3	39.63	102.1	37.96	102.9	36.86	100.2	32.99
		355.5	108.4	46.01	107.6	43.40	106.9	40.50	105.6	38.79	106.5	37.67	103.6	33.73
		711.0	122.7	49.14	121.6	46.68	121.0	43.92	119.5	42.06	120.6	40.87	117.3	36.63
		888.8	135.5	52.26	134.4	49.88	133.6	47.35	132.1	45.41	133.1	44.07	129.5	39.46
		1066.5	142.0	53.84	140.9	51.49	139.9	49.07	138.4	47.10	139.5	45.69	135.6	40.88
	0	284.4	187.3	61.85	182.8	60.00	178.9	58.05	175.2	55.59	175.2	54.05	167.2	48.32
		355.5	188.4	62.02	183.9	60.15	180.0	58.22	176.3	55.76	176.3	54.20	168.3	48.47
		711.0	192.8	62.69	188.2	60.75	184.3	58.89	180.4	56.43	180.4	54.79	172.4	49.06
		888.8	195.8	62.69	191.3	60.75	187.1	58.89	183.2	56.43	183.0	54.79	175.0	49.06
		1066.5	197.3	62.69	192.8	60.75	188.6	58.89	184.6	56.43	184.3	54.79	176.3	49.06

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	284.4	270.1	66.48	266.0	64.84	260.2	63.18	253.9	60.50	245.9	58.81	232.4	52.67
		355.5	271.0	66.78	266.5	65.14	260.2	63.50	253.9	60.82	245.9	59.11	232.4	52.93
		711.0	274.9	67.97	268.4	66.33	260.2	64.77	253.9	62.09	245.9	60.30	232.4	53.98
		888.8	276.5	68.42	266.9	66.78	260.2	65.22	253.9	62.54	245.9	60.75	232.4	54.35
		1066.5	277.2	68.64	266.2	67.01	260.2	65.44	253.9	62.76	245.9	60.97	232.4	54.53
	10	284.4	271.1	59.72	266.0	58.07	259.5	56.89	253.2	55.17	245.2	53.34	231.8	47.96
		355.5	272.3	59.93	267.1	58.29	260.2	57.10	253.9	55.24	245.9	53.30	232.4	48.02
		711.0	277.3	60.75	271.5	59.19	263.0	57.92	256.7	55.54	248.5	53.16	234.8	48.24
		888.8	278.9	60.53	270.6	59.19	264.1	58.14	257.8	55.76	249.6	53.38	235.9	49.88
		1066.5	279.6	60.41	270.2	59.19	264.7	58.26	258.4	55.87	250.1	53.49	236.5	50.71
	15	284.4	271.8	52.97	266.4	51.41	258.7	50.61	252.5	49.85	244.6	47.86	231.2	43.37
		355.5	273.4	53.08	268.0	51.52	260.2	50.70	253.9	49.66	245.9	47.50	232.4	43.18
		711.0	279.7	53.53	274.5	51.96	266.1	51.07	259.6	48.91	250.9	46.08	237.4	42.44
		888.8	281.2	52.71	274.3	51.52	268.2	51.07	261.7	48.91	253.0	46.08	239.6	45.34
		1066.5	282.0	52.30	274.2	51.29	269.3	51.07	262.8	48.91	254.1	46.08	240.7	46.80
	20	284.4	279.4	47.65	274.2	45.62	265.9	44.41	258.6	43.76	250.2	43.22	236.7	41.02
		355.5	281.2	47.65	275.8	45.79	267.4	44.59	260.2	43.92	251.7	43.18	238.1	40.87
		711.0	288.4	47.65	282.3	46.46	273.2	45.34	266.7	44.59	258.0	43.03	243.7	40.28
		888.8	289.7	47.20	282.1	46.08	275.4	45.34	268.2	44.59	259.6	43.18	245.2	41.77
		1066.5	290.4	46.98	282.0	45.90	276.5	45.34	269.0	44.59	260.3	43.26	246.0	42.52
	25	284.4	293.0	45.06	284.5	42.96	275.4	42.14	269.5	41.21	262.4	40.45	248.1	37.64
		355.5	293.2	44.89	284.5	42.88	275.4	42.06	269.5	41.02	262.4	40.28	248.1	37.45
		711.0	293.8	44.22	284.5	42.58	275.4	41.77	269.5	40.28	262.4	39.61	248.1	36.70
		888.8	294.7	42.58	284.5	41.47	275.4	41.02	269.5	40.28	262.4	38.86	248.1	36.70
		1066.5	295.1	41.76	284.5	40.90	275.4	40.65	269.5	40.28	262.4	38.49	248.1	36.70
	30	284.4	294.7	43.09	284.5	40.97	275.4	39.79	269.5	38.29	262.4	37.82	248.1	34.73
		355.5	294.7	42.73	284.5	40.72	275.4	39.61	269.5	38.12	262.4	37.45	248.1	34.54
		711.0	294.7	41.32	284.5	39.76	275.4	38.86	269.5	37.45	262.4	35.96	248.1	33.80
		888.8	294.7	39.98	284.5	38.86	275.4	38.12	269.5	37.45	262.4	35.96	248.1	33.13
		1066.5	294.7	39.30	284.5	38.41	275.4	37.74	269.5	37.45	262.4	35.96	248.1	32.79
	35	284.4	294.7	41.16	284.5	38.92	275.4	37.82	269.5	36.32	262.4	34.90	248.1	31.81
		355.5	294.7	40.57	284.5	38.56	275.4	37.45	269.5	35.96	262.4	34.54	248.1	31.64
		711.0	294.7	38.27	284.5	37.15	275.4	35.96	269.5	34.54	262.4	33.13	248.1	30.97
		888.8	294.7	37.82	284.5	36.85	275.4	35.96	269.5	34.54	262.4	33.13	248.1	30.23
		1066.5	294.7	37.59	284.5	36.70	275.4	35.96	269.5	34.54	262.4	33.13	248.1	29.85
	40	284.4	294.7	39.93	284.5	37.14	275.4	35.66	269.5	34.16	262.4	32.74	248.1	29.65
		355.5	294.7	39.16	284.5	36.70	275.4	35.29	269.5	33.80	262.4	32.39	248.1	29.48
		711.0	294.7	36.11	284.5	34.99	275.4	33.80	269.5	32.39	262.4	30.97	248.1	28.81
		888.8	294.7	35.66	284.5	34.54	275.4	33.80	269.5	32.39	262.4	30.97	248.1	28.07
		1066.5	294.7	35.44	284.5	34.32	275.4	33.80	269.5	32.39	262.4	30.97	248.1	27.69
	45	284.4	294.7	38.70	284.5	35.35	275.4	33.51	269.5	32.00	262.4	30.58	248.1	27.49
		355.5	294.7	37.75	284.5	34.84	275.4	33.13	269.5	31.64	262.4	30.23	248.1	27.32
		711.0	294.7	33.95	284.5	32.83	275.4	31.64	269.5	30.23	262.4	28.81	248.1	26.65
		888.8	294.7	33.50	284.5	32.24	275.4	31.64	269.5	30.23	262.4	28.81	248.1	25.91
		1066.5	294.7	33.28	284.5	31.94	275.4	31.64	269.5	30.23	262.4	28.81	248.1	25.53
110	-5	284.4	99.2	45.81	98.5	42.58	97.9	39.63	96.8	37.96	97.1	36.86	94.9	32.99
		355.5	102.6	46.60	101.9	43.40	101.3	40.50	100.2	38.79	100.4	37.67	98.2	33.73
		711.0	116.0	49.73	115.4	46.68	114.7	43.92	113.4	42.06	113.4	40.87	111.2	36.63
		888.8	128.2	52.93	127.3	49.88	126.6	47.35	125.3	45.41	125.3	44.07	122.7	39.46
		1066.5	134.3	54.55	133.3	51.49	132.6	49.07	131.3	47.10	131.3	45.69	128.5	40.88
	0	284.4	177.2	62.68	173.3	60.00	169.7	58.05	166.4	55.59	164.9	54.05	158.7	48.32
		355.5	178.2	62.83	174.3	60.15	170.7	58.22	167.4	55.76	165.9	54.20	159.6	48.47
		711.0	182.4	63.43	178.5	60.75	174.6	58.89	171.3	56.43	169.8	54.79	163.3	49.06
		888.8	185.2	63.43	181.3	60.75	177.4	58.89	173.9	56.43	172.4	54.79	165.7	49.06
		1066.5	186.6	63.43	182.7	60.75	178.8	58.89	175.2	56.43	173.7	54.79	166.9	49.06
	5	284.4	258.5	67.37	252.3	64.84	246.5	63.18	240.9	60.50	231.6	58.81	220.3	52.67
		355.5	259.3	67.67	252.8	65.14	246.5	63.50	240.9	60.82	231.6	59.11	220.3	52.93
		711.0	262.8	68.86	254.8	66.33	246.8	64.77	240.9	62.09	231.6	60.30	220.3	53.98
		888.8	264.3	69.31	255.4	66.78	246.8	65.22	240.9	62.54	231.6	60.75	220.3	54.35
		1066.5	265.1	69.54	255.8	67.01	246.8	65.44	240.9	62.76	231.6	60.97	220.3	54.53
	10	284.4	259.4	60.41	253.0	58.35	246.2	57.08	240.5	55.17	231.2	53.34	220.0	47.96
		355.5	260.4	60.53	253.7	58.52	246.5	57.25	240.9	55.24	231.6	53.30	220.3	48.02
		711.0	264.3	60.97	256.3	59.19	248.1	57.92	242.4	55.54	233.1	53.16	221.4	48.24
		888.8	265.8	60.97	257.4	59.19	248.9	57.77	242.9	55.39	233.5	53.38	222.0	48.76
		1066.5	266.6	60.97	257.9	59.19	249.4	57.70	243.1	55.31	233.8	53.49	222.4	49.03

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	284.4	260.2	53.45	253.4	51.96	246.0	51.07	240.2	49.85	230.8	47.86	219.8	43.37
		355.5	261.3	53.38	254.4	51.96	246.8	51.07	240.9	49.66	231.6	47.50	220.3	43.18
		711.0	265.6	53.08	258.0	51.96	249.6	51.07	243.7	48.91	234.6	46.08	222.5	42.44
		888.8	267.1	52.71	259.3	51.52	250.9	50.40	244.6	48.24	235.3	46.08	223.8	43.18
		1066.5	267.9	52.52	260.0	51.29	251.5	50.06	245.0	47.90	235.6	46.08	224.4	43.56
	20	284.4	265.1	46.14	257.8	45.04	249.5	43.92	242.8	43.18	233.9	41.95	221.6	39.24
		355.5	266.5	46.23	258.7	45.04	250.2	43.92	243.7	43.18	234.6	41.77	222.5	39.16
		711.0	272.1	46.60	262.2	45.04	253.0	43.92	247.4	43.18	237.4	41.02	225.9	38.86
		888.8	273.6	46.60	264.3	45.04	254.6	43.92	248.1	42.44	238.7	41.02	226.6	38.86
		1066.5	274.4	46.60	265.4	45.04	255.3	43.92	248.4	42.06	239.4	41.02	226.9	38.86
	25	284.4	273.3	41.99	265.2	40.45	254.6	39.79	248.9	38.29	240.3	36.89	227.5	33.80
		355.5	273.9	41.91	265.2	40.28	254.6	39.61	248.9	38.12	240.3	36.70	227.5	33.80
		711.0	276.0	41.62	265.2	39.61	254.6	38.86	248.9	37.45	240.3	35.96	227.5	33.80
		888.8	277.3	41.62	265.2	39.76	254.6	38.12	248.9	37.45	240.3	35.29	227.5	33.13
		1066.5	278.0	41.62	265.2	39.83	254.6	37.74	248.9	37.45	240.3	34.95	227.5	32.79
	30	284.4	277.3	38.29	265.2	36.89	254.6	35.48	248.9	34.73	240.3	32.57	227.5	30.41
		355.5	277.3	38.12	265.2	36.70	254.6	35.29	248.9	34.54	240.3	32.39	227.5	30.23
		711.0	277.3	37.45	265.2	35.96	254.6	34.54	248.9	33.80	240.3	31.64	227.5	29.48
		888.8	277.3	37.15	265.2	35.29	254.6	33.80	248.9	33.13	240.3	31.64	227.5	29.48
		1066.5	277.3	37.00	265.2	34.95	254.6	33.42	248.9	32.79	240.3	31.64	227.5	29.48
	35	284.4	277.3	36.32	265.2	33.97	254.6	32.57	248.9	31.16	240.3	29.65	227.5	27.49
		355.5	277.3	35.96	265.2	33.80	254.6	32.39	248.9	30.97	240.3	29.48	227.5	27.32
		711.0	277.3	34.54	265.2	33.13	254.6	31.64	248.9	30.23	240.3	28.81	227.5	26.65
		888.8	277.3	33.65	265.2	32.39	254.6	30.97	248.9	30.23	240.3	28.81	227.5	26.65
		1066.5	277.3	33.20	265.2	32.01	254.6	30.63	248.9	30.23	240.3	28.81	227.5	26.65
	40	284.4	277.3	34.16	265.2	32.74	254.6	30.58	248.9	29.00	240.3	27.49	227.5	25.33
		355.5	277.3	33.80	265.2	32.39	254.6	30.23	248.9	28.81	240.3	27.32	227.5	25.16
		711.0	277.3	32.39	265.2	30.97	254.6	28.81	248.9	28.07	240.3	26.65	227.5	24.49
		888.8	277.3	31.94	265.2	30.23	254.6	28.81	248.9	27.32	240.3	25.91	227.5	23.75
		1066.5	277.3	31.71	265.2	29.85	254.6	28.81	248.9	26.95	240.3	25.53	227.5	23.37
	45	284.4	277.3	32.00	265.2	31.52	254.6	28.61	248.9	26.84	240.3	25.33	227.5	23.17
		355.5	277.3	31.64	265.2	30.97	254.6	28.07	248.9	26.65	240.3	25.16	227.5	23.00
		711.0	277.3	30.23	265.2	28.81	254.6	25.91	248.9	25.91	240.3	24.49	227.5	22.33
		888.8	277.3	30.23	265.2	28.07	254.6	26.65	248.9	24.49	240.3	23.00	227.5	20.85
		1066.5	277.3	30.23	265.2	27.69	254.6	27.03	248.9	23.78	240.3	22.25	227.5	20.10
100	-5	284.4	93.7	45.81	93.0	43.17	92.7	39.63	91.9	37.96	91.0	36.27	89.3	32.99
		355.5	96.9	46.60	96.3	44.00	95.8	40.50	95.0	38.79	94.1	37.08	92.4	33.73
		711.0	109.7	49.73	109.1	47.27	108.4	43.92	107.3	42.06	106.5	40.28	104.7	36.63
		888.8	121.2	52.93	120.3	50.55	119.7	47.35	118.6	45.41	117.7	43.40	115.6	39.46
		1066.5	127.0	54.55	126.0	52.20	125.4	49.07	124.3	47.10	123.4	44.98	121.0	40.88
	0	284.4	167.5	62.68	163.8	60.82	160.4	58.05	157.6	55.59	154.8	53.23	149.4	48.32
		355.5	168.5	62.83	164.8	60.97	161.3	58.22	158.5	55.76	155.7	53.38	150.3	48.47
		711.0	172.4	63.43	168.7	61.57	165.0	58.89	162.2	56.43	159.4	53.98	153.7	49.06
		888.8	175.0	63.43	171.3	61.57	167.6	58.89	164.6	56.43	161.8	53.98	156.1	49.06
		1066.5	176.3	63.43	172.6	61.57	168.9	58.89	165.8	56.43	163.0	53.98	157.3	49.06
	5	284.4	247.2	67.37	239.0	65.73	232.8	63.18	228.1	60.50	217.3	57.92	207.3	52.67
		355.5	248.1	67.67	239.4	66.04	232.9	63.50	228.1	60.82	217.3	58.22	207.3	52.93
		711.0	251.5	68.86	241.1	67.23	233.1	64.77	228.1	62.09	217.3	59.41	207.3	53.98
		888.8	253.0	69.31	241.8	67.67	233.1	65.22	228.1	62.54	217.3	59.78	207.3	54.35
		1066.5	253.8	69.54	242.1	67.90	233.1	65.44	228.1	62.76	217.3	59.97	207.3	54.53
	10	284.4	248.5	60.24	239.7	58.92	233.1	57.08	228.1	55.17	217.3	52.43	207.3	47.96
		355.5	249.1	60.53	240.0	59.11	233.1	57.25	228.1	55.24	217.3	52.49	207.3	48.02
		711.0	251.5	61.64	241.3	59.86	233.1	57.92	228.1	55.54	217.3	52.71	207.3	48.24
		888.8	253.3	61.42	242.4	59.86	233.1	57.77	228.1	55.39	217.3	52.56	207.3	48.02
		1066.5	254.1	61.31	243.0	59.86	233.1	57.70	228.1	55.31	217.3	52.49	207.3	47.91
	15	284.4	249.9	53.12	240.7	52.23	233.1	51.07	228.1	49.85	217.3	46.92	207.3	43.37
		355.5	250.2	53.38	240.9	52.26	233.1	51.07	228.1	49.66	217.3	46.75	207.3	43.18
		711.0	251.5	54.42	241.6	52.41	233.1	51.07	228.1	48.91	217.3	46.08	207.3	42.44
		888.8	253.7	53.53	242.9	51.96	233.1	50.40	228.1	48.24	217.3	45.34	207.3	41.77
		1066.5	254.8	53.08	243.5	51.74	233.1	50.06	228.1	47.90	217.3	44.96	207.3	41.43
	20	284.4	251.3	45.43	242.0	44.26	233.1	43.18	228.1	42.60	217.3	39.79	207.3	37.82
		355.5	252.2	45.64	242.2	44.30	233.1	43.18	228.1	42.44	217.3	39.61	207.3	37.45
		711.0	255.9	46.46	242.9	44.45	233.1	43.18	228.1	41.77	217.3	38.86	207.3	35.96
		888.8	257.4	45.64	245.0	44.07	233.1	42.44	228.1	41.02	217.3	38.12	207.3	35.29
		1066.5	258.2	45.22	246.1	43.89	233.1	42.06	228.1	40.65	217.3	37.74	207.3	34.95

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	284.4	254.3	39.72	245.9	38.47	233.1	36.89	228.1	35.48	217.3	33.32	207.3	30.23
		355.5	255.2	39.76	245.9	38.27	233.1	36.70	228.1	35.29	217.3	33.13	207.3	30.23
		711.0	258.9	39.90	245.9	37.45	233.1	35.96	228.1	34.54	217.3	32.39	207.3	30.23
		888.8	260.2	39.01	245.9	37.15	233.1	35.29	228.1	33.80	217.3	32.39	207.3	29.48
		1066.5	260.9	38.56	245.9	37.00	233.1	34.95	228.1	33.42	217.3	32.39	207.3	29.11
	30	284.4	260.2	36.13	245.9	33.32	233.1	31.05	228.1	30.41	217.3	28.07	207.3	26.84
		355.5	260.2	35.96	245.9	33.13	233.1	30.97	228.1	30.23	217.3	28.07	207.3	26.65
		711.0	260.2	35.29	245.9	32.39	233.1	30.67	228.1	29.48	217.3	28.07	207.3	25.91
		888.8	260.2	34.54	245.9	32.39	233.1	30.23	228.1	29.48	217.3	27.32	207.3	25.91
		1066.5	260.2	34.17	245.9	32.39	233.1	30.00	228.1	29.48	217.3	26.95	207.3	25.91
	35	284.4	260.2	33.51	245.9	30.58	233.1	27.40	228.1	26.84	217.3	25.33	207.3	23.17
		355.5	260.2	33.13	245.9	30.23	233.1	27.32	228.1	26.65	217.3	25.16	207.3	23.00
		711.0	260.2	31.64	245.9	28.81	233.1	27.02	228.1	25.91	217.3	24.49	207.3	22.33
		888.8	260.2	31.64	245.9	28.81	233.1	26.65	228.1	25.91	217.3	24.49	207.3	22.33
		1066.5	260.2	31.64	245.9	28.81	233.1	26.46	228.1	25.91	217.3	24.49	207.3	22.33
	40	284.4	260.2	31.35	245.9	28.42	233.1	24.57	228.1	23.94	217.3	22.52	207.3	21.01
		355.5	260.2	30.97	245.9	28.07	233.1	24.49	228.1	23.75	217.3	22.33	207.3	20.85
		711.0	260.2	29.48	245.9	26.65	233.1	24.20	228.1	23.00	217.3	21.59	207.3	20.18
		888.8	260.2	28.81	245.9	26.65	233.1	23.75	228.1	23.00	217.3	21.59	207.3	20.18
		1066.5	260.2	28.47	245.9	26.65	233.1	23.52	228.1	23.00	217.3	21.59	207.3	20.18
	45	284.4	260.2	29.19	245.9	26.27	233.1	21.67	228.1	21.01	217.3	19.62	207.3	18.86
		355.5	260.2	28.81	245.9	25.91	233.1	21.59	228.1	20.85	217.3	19.43	207.3	18.69
		711.0	260.2	27.32	245.9	24.49	233.1	21.29	228.1	20.18	217.3	18.69	207.3	18.02
		888.8	260.2	25.91	245.9	24.49	233.1	20.85	228.1	20.18	217.3	18.69	207.3	18.02
		1066.5	260.2	25.20	245.9	24.49	233.1	20.62	228.1	20.18	217.3	18.69	207.3	18.02
90	-5	284.4	88.4	42.52	85.7	38.72	83.2	34.02	82.6	32.41	81.9	31.24	80.5	28.04
		355.5	91.5	43.25	88.7	39.46	86.1	34.77	85.4	33.13	84.8	31.94	83.3	28.66
		711.0	103.6	46.16	100.4	42.36	97.4	37.75	96.7	35.96	96.1	34.69	94.1	31.12
		888.8	114.5	49.06	110.8	45.34	107.6	40.72	106.7	38.79	106.0	37.37	104.1	33.58
		1066.5	120.0	50.52	116.0	46.84	112.7	42.22	111.7	40.21	111.1	38.72	109.1	34.81
	0	284.4	158.2	57.92	150.9	54.35	144.0	49.90	141.9	47.59	139.5	45.80	134.3	41.13
		355.5	159.2	58.07	151.8	54.50	144.8	50.03	142.7	47.72	140.3	45.93	135.1	41.24
		711.0	162.8	58.67	155.3	55.09	148.3	50.55	145.9	48.24	143.5	46.46	138.3	41.69
		888.8	165.2	58.67	157.6	55.09	150.7	50.55	148.1	48.24	145.9	46.46	140.5	41.69
		1066.5	166.4	58.67	158.8	55.09	151.9	50.55	149.2	48.24	147.1	46.46	141.6	41.69
	5	284.4	223.6	62.18	216.4	58.68	209.5	54.31	205.1	51.78	196.0	49.84	186.7	44.74
		355.5	223.8	62.46	216.2	58.96	209.5	54.57	205.1	52.04	196.0	50.10	186.7	44.97
		711.0	224.6	63.58	215.5	60.08	209.5	55.61	205.1	53.08	196.0	51.15	186.7	45.86
		888.8	225.9	63.95	216.2	60.45	209.5	56.06	205.1	53.45	196.0	51.52	186.7	46.23
		1066.5	226.6	64.14	216.5	60.64	209.5	56.28	205.1	53.64	196.0	51.71	186.7	46.42
	10	284.4	224.8	54.91	217.1	52.21	209.5	49.15	205.1	47.14	196.0	45.23	186.7	40.76
		355.5	224.6	54.94	216.8	52.26	209.5	49.21	205.1	47.20	196.0	45.19	186.7	40.80
		711.0	224.2	55.09	215.8	52.49	209.5	49.43	205.1	47.42	196.0	45.04	186.7	40.95
		888.8	225.7	54.94	216.4	52.34	209.5	49.28	205.1	47.27	196.0	45.19	186.7	41.10
		1066.5	226.5	54.87	216.7	52.26	209.5	49.21	205.1	47.20	196.0	45.27	186.7	41.17
	15	284.4	225.9	47.54	217.9	45.82	209.5	44.11	205.1	42.60	196.0	40.63	186.7	36.89
		355.5	225.5	47.35	217.5	45.64	209.5	43.92	205.1	42.44	196.0	40.28	186.7	36.70
		711.0	224.0	46.60	216.0	44.89	209.5	43.18	205.1	41.77	196.0	38.86	186.7	35.96
		888.8	225.5	45.93	216.6	44.22	209.5	42.44	205.1	41.02	196.0	38.86	186.7	35.96
		1066.5	226.3	45.60	216.9	43.88	209.5	42.06	205.1	40.65	196.0	38.86	186.7	35.96
	20	284.4	227.2	40.13	218.8	38.97	209.5	37.64	205.1	36.13	196.0	34.90	186.7	32.74
		355.5	227.0	40.13	218.4	38.86	209.5	37.45	205.1	35.96	196.0	34.54	186.7	32.39
		711.0	226.2	40.13	216.6	38.42	209.5	36.70	205.1	35.29	196.0	33.13	186.7	30.97
		888.8	226.8	39.46	217.3	38.12	209.5	36.70	205.1	35.29	196.0	33.13	186.7	30.97
		1066.5	227.1	39.12	217.6	37.97	209.5	36.70	205.1	35.29	196.0	33.13	186.7	30.97
	25	284.4	231.0	35.07	221.6	33.20	209.5	31.81	205.1	30.23	196.0	29.00	186.7	26.84
		355.5	231.6	34.99	221.6	33.13	209.5	31.64	205.1	30.23	196.0	28.81	186.7	26.65
		711.0	233.8	34.69	221.6	32.83	209.5	30.97	205.1	30.23	196.0	28.07	186.7	25.91
		888.8	234.6	33.80	221.6	32.09	209.5	30.97	205.1	29.48	196.0	28.07	186.7	25.91
		1066.5	235.1	33.35	221.6	31.71	209.5	30.97	205.1	29.11	196.0	28.07	186.7	25.91
	30	284.4	234.6	31.81	221.6	29.65	209.5	27.49	205.1	26.84	196.0	25.33	186.7	23.00
		355.5	234.6	31.64	221.6	29.48	209.5	27.32	205.1	26.65	196.0	25.16	186.7	23.00
		711.0	234.6	30.97	221.6	28.81	209.5	26.65	205.1	25.91	196.0	24.49	186.7	23.00
		888.8	234.6	30.23	221.6	28.07	209.5	26.65	205.1	25.91	196.0	24.49	186.7	22.33
		1066.5	234.6	29.85	221.6	27.69	209.5	26.65	205.1	25.91	196.0	24.49	186.7	22.00

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	284.4	234.6	29.00	221.6	26.84	209.5	24.68	205.1	23.94	196.0	22.52	186.7	21.01
		355.5	234.6	28.81	221.6	26.65	209.5	24.49	205.1	23.75	196.0	22.33	186.7	20.85
		711.0	234.6	28.07	221.6	25.91	209.5	23.75	205.1	23.00	196.0	21.59	186.7	20.18
		888.8	234.6	27.32	221.6	25.16	209.5	23.00	205.1	22.33	196.0	21.59	186.7	20.18
		1066.5	234.6	26.95	221.6	24.79	209.5	22.63	205.1	22.00	196.0	21.59	186.7	20.18
	40	284.4	234.6	27.03	221.6	24.68	209.5	21.78	205.1	21.01	196.0	20.36	186.7	18.86
		355.5	234.6	26.65	221.6	24.49	209.5	21.59	205.1	20.85	196.0	20.18	186.7	18.69
		711.0	234.6	25.16	221.6	23.75	209.5	20.85	205.1	20.18	196.0	19.43	186.7	18.02
		888.8	234.6	25.16	221.6	23.75	209.5	20.85	205.1	20.18	196.0	19.43	186.7	18.02
		1066.5	234.6	25.16	221.6	23.75	209.5	20.85	205.1	20.18	196.0	19.43	186.7	18.02
	45	284.4	234.6	25.04	221.6	22.52	209.5	18.86	205.1	18.20	196.0	18.20	186.7	16.70
		355.5	234.6	24.49	221.6	22.33	209.5	18.69	205.1	18.02	196.0	18.02	186.7	16.53
		711.0	234.6	22.33	221.6	21.59	209.5	18.02	205.1	17.27	196.0	17.27	186.7	15.86
		888.8	234.6	23.00	221.6	22.33	209.5	18.69	205.1	18.02	196.0	17.27	186.7	15.86
		1066.5	234.6	23.34	221.6	22.71	209.5	19.02	205.1	18.39	196.0	17.27	186.7	15.86
80	-5	284.4	83.7	30.29	78.4	29.14	74.2	27.91	73.4	26.96	72.9	25.72	71.5	23.69
		355.5	86.5	30.97	81.1	29.78	76.8	28.51	75.9	27.55	75.5	26.28	73.9	24.20
		711.0	97.8	33.65	91.7	32.31	86.7	30.90	85.9	29.85	85.4	28.51	83.7	26.21
		888.8	108.2	36.26	101.3	34.84	95.8	33.35	94.8	32.24	94.3	30.75	92.4	28.29
		1066.5	113.4	37.57	106.1	36.12	100.4	34.59	99.2	33.44	98.8	31.87	96.7	29.34
	0	284.4	149.3	44.46	137.7	42.68	128.3	40.91	125.9	39.49	124.1	37.63	119.4	34.67
		355.5	150.3	44.59	138.6	42.81	129.0	41.02	126.6	39.61	124.9	37.75	120.1	34.77
		711.0	154.0	45.12	141.8	43.33	132.1	41.47	129.7	40.05	127.9	38.19	122.9	35.14
		888.8	156.1	45.12	144.0	43.33	134.2	41.47	131.6	40.05	129.9	38.19	124.9	35.14
		1066.5	157.2	45.12	145.1	43.33	135.3	41.47	132.6	40.05	130.9	38.19	125.9	35.14
	5	284.4	206.6	48.35	195.0	46.53	186.4	44.42	182.4	42.95	174.6	40.96	165.9	37.69
		355.5	207.1	48.61	195.4	46.75	186.5	44.67	182.4	43.18	174.6	41.17	165.9	37.89
		711.0	208.8	49.66	196.9	47.65	186.7	45.64	182.4	44.07	174.6	41.99	165.9	38.71
		888.8	208.8	49.95	196.7	48.02	186.7	45.93	182.4	44.37	174.6	42.29	165.9	38.94
		1066.5	208.8	50.10	196.6	48.21	186.7	46.08	182.4	44.52	174.6	42.44	165.9	39.05
	10	284.4	207.7	44.50	195.8	42.49	186.4	40.33	182.4	39.22	174.6	37.13	165.9	34.38
		355.5	207.9	44.45	196.0	42.44	186.5	40.35	182.4	39.23	174.6	37.15	165.9	34.40
		711.0	208.8	44.22	196.9	42.21	186.7	40.43	182.4	39.31	174.6	37.22	165.9	34.47
		888.8	208.8	44.07	196.7	42.36	186.7	40.57	182.4	39.09	174.6	37.00	165.9	34.25
		1066.5	208.8	44.00	196.6	42.44	186.7	40.65	182.4	38.97	174.6	36.89	165.9	34.13
	15	284.4	208.8	40.63	196.7	38.47	186.7	36.13	182.4	35.48	174.6	33.32	165.9	31.16
		355.5	208.8	40.28	196.7	38.12	186.7	35.96	182.4	35.29	174.6	33.13	165.9	30.97
		711.0	208.8	38.86	196.7	36.70	186.7	35.29	182.4	34.54	174.6	32.39	165.9	30.23
		888.8	208.8	38.12	196.7	36.70	186.7	35.29	182.4	33.80	174.6	31.64	165.9	29.48
		1066.5	208.8	37.74	196.7	36.70	186.7	35.29	182.4	33.42	174.6	31.27	165.9	29.11
	20	284.4	208.8	33.97	196.7	32.57	186.7	30.97	182.4	30.41	174.6	29.00	165.9	26.84
		355.5	208.8	33.80	196.7	32.39	186.7	30.97	182.4	30.23	174.6	28.81	165.9	26.65
		711.0	208.8	33.13	196.7	31.64	186.7	30.97	182.4	29.48	174.6	28.07	165.9	25.91
		888.8	208.8	32.39	196.7	30.97	186.7	30.23	182.4	29.48	174.6	27.32	165.9	25.91
		1066.5	208.8	32.01	196.7	30.63	186.7	29.85	182.4	29.48	174.6	26.95	165.9	25.91
	25	284.4	208.8	30.41	196.7	28.26	186.7	26.65	182.4	26.10	174.6	24.68	165.9	23.17
		355.5	208.8	30.23	196.7	28.07	186.7	26.65	182.4	25.91	174.6	24.49	165.9	23.00
		711.0	208.8	29.48	196.7	27.32	186.7	26.65	182.4	25.16	174.6	23.75	165.9	22.33
		888.8	208.8	28.81	196.7	27.32	186.7	25.91	182.4	25.16	174.6	23.75	165.9	22.33
		1066.5	208.8	28.47	196.7	27.32	186.7	25.53	182.4	25.16	174.6	23.75	165.9	22.33
	30	284.4	208.8	26.84	196.7	25.33	186.7	23.94	182.4	23.17	174.6	21.78	165.9	20.36
		355.5	208.8	26.65	196.7	25.16	186.7	23.75	182.4	23.00	174.6	21.59	165.9	20.18
		711.0	208.8	25.91	196.7	24.49	186.7	23.00	182.4	22.33	174.6	20.85	165.9	19.43
		888.8	208.8	25.91	196.7	24.49	186.7	23.00	182.4	22.33	174.6	20.85	165.9	19.43
		1066.5	208.8	25.91	196.7	24.49	186.7	23.00	182.4	22.33	174.6	20.85	165.9	19.43
	35	284.4	208.8	24.68	196.7	23.17	186.7	21.01	182.4	20.18	174.6	19.62	165.9	18.02
		355.5	208.8	24.49	196.7	23.00	186.7	20.85	182.4	20.18	174.6	19.43	165.9	18.02
		711.0	208.8	23.75	196.7	22.33	186.7	20.18	182.4	20.18	174.6	18.69	165.9	18.02
		888.8	208.8	23.75	196.7	21.59	186.7	20.18	182.4	19.43	174.6	18.69	165.9	17.27
		1066.5	208.8	23.75	196.7	21.21	186.7	20.18	182.4	19.06	174.6	18.69	165.9	16.90
	40	284.4	208.8	23.36	196.7	21.01	186.7	18.69	182.4	18.86	174.6	17.27	165.9	16.70
		355.5	208.8	23.00	196.7	20.85	186.7	18.69	182.4	18.69	174.6	17.27	165.9	16.53
		711.0	208.8	21.59	196.7	20.18	186.7	18.69	182.4	18.02	174.6	17.27	165.9	15.86
		888.8	208.8	21.59	196.7	20.18	186.7	18.02	182.4	18.02	174.6	17.27	165.9	15.86
		1066.5	208.8	21.59	196.7	20.18	186.7	17.68	182.4	18.02	174.6	17.27	165.9	15.86

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	284.4	208.8	22.14	196.7	18.86	186.7	16.34	182.4	17.63	174.6	14.92	165.9	15.47
		355.5	208.8	21.59	196.7	18.69	186.7	16.53	182.4	17.27	174.6	15.11	165.9	15.11
		711.0	208.8	19.43	196.7	18.02	186.7	17.27	182.4	15.86	174.6	15.86	165.9	13.70
		888.8	208.8	19.43	196.7	18.69	186.7	15.86	182.4	16.53	174.6	15.86	165.9	14.37
		1066.5	208.8	19.43	196.7	19.02	186.7	15.14	182.4	16.87	174.6	15.86	165.9	14.71
70	-5	284.4	72.9	26.01	68.6	24.77	64.8	23.97	64.2	22.59	63.7	21.79	62.7	19.82
		355.5	75.5	26.58	70.9	25.31	67.0	24.49	66.4	23.08	65.9	22.26	64.8	20.25
		711.0	85.4	28.81	80.2	27.47	75.7	26.58	75.0	25.01	74.6	24.12	73.3	21.96
		888.8	94.5	31.12	88.7	29.63	83.7	28.66	83.0	26.95	82.4	26.06	80.9	23.67
		1066.5	99.1	32.28	92.9	30.72	87.7	29.71	87.1	27.93	86.3	27.03	84.7	24.54
	0	284.4	130.6	38.08	120.7	36.31	112.1	35.10	110.1	33.04	108.4	31.92	104.6	29.03
		355.5	131.4	38.19	121.4	36.41	112.8	35.21	110.8	33.13	109.1	32.01	105.2	29.11
		711.0	134.4	38.64	124.2	36.78	115.4	35.66	113.4	33.50	111.7	32.39	107.6	29.41
		888.8	136.4	38.64	126.2	36.78	117.1	35.66	115.1	33.50	113.4	32.39	109.3	29.41
		1066.5	137.4	38.64	127.2	36.78	118.0	35.66	116.0	33.50	114.3	32.39	110.2	29.41
	5	284.4	180.5	41.48	171.0	39.47	162.8	38.21	159.4	36.01	152.2	34.73	145.1	31.55
		355.5	180.8	41.69	171.3	39.68	162.8	38.42	159.4	36.18	152.2	34.92	145.1	31.71
		711.0	182.4	42.51	172.6	40.50	163.1	39.23	159.4	36.85	152.2	35.66	145.1	32.39
		888.8	182.4	42.81	172.4	40.80	163.1	39.53	159.4	37.15	152.2	35.88	145.1	32.61
		1066.5	182.4	42.96	172.3	40.95	163.1	39.68	159.4	37.30	152.2	36.00	145.1	32.72
	10	284.4	181.3	38.19	171.6	36.11	163.1	34.77	159.4	32.83	152.2	31.49	145.1	28.81
		355.5	181.5	38.12	171.7	36.03	163.1	34.69	159.4	32.83	152.2	31.49	145.1	28.81
		711.0	182.4	37.82	172.4	35.74	163.1	34.40	159.4	32.83	152.2	31.49	145.1	28.81
		888.8	182.4	37.97	172.4	35.88	163.1	34.54	159.4	32.98	152.2	31.27	145.1	28.89
		1066.5	182.4	38.04	172.4	35.96	163.1	34.62	159.4	33.06	152.2	31.16	145.1	28.92
	15	284.4	182.4	34.90	172.4	32.74	163.1	31.35	159.4	29.65	152.2	28.26	145.1	26.10
		355.5	182.4	34.54	172.4	32.39	163.1	30.97	159.4	29.48	152.2	28.07	145.1	25.91
		711.0	182.4	33.13	172.4	30.97	163.1	29.48	159.4	28.81	152.2	27.32	145.1	25.16
		888.8	182.4	33.13	172.4	30.97	163.1	29.48	159.4	28.81	152.2	26.65	145.1	25.16
		1066.5	182.4	33.13	172.4	30.97	163.1	29.48	159.4	28.81	152.2	26.31	145.1	25.16
	20	284.4	182.4	29.00	172.4	27.49	163.1	26.84	159.4	26.10	152.2	24.68	145.1	23.17
		355.5	182.4	28.81	172.4	27.32	163.1	26.65	159.4	25.91	152.2	24.49	145.1	23.00
		711.0	182.4	28.07	172.4	26.65	163.1	25.91	159.4	25.16	152.2	23.75	145.1	22.33
		888.8	182.4	28.07	172.4	26.65	163.1	25.91	159.4	24.49	152.2	23.75	145.1	21.59
		1066.5	182.4	28.07	172.4	26.65	163.1	25.91	159.4	24.16	152.2	23.75	145.1	21.21
	25	284.4	182.4	26.10	172.4	24.68	163.1	23.17	159.4	22.52	152.2	20.85	145.1	19.43
		355.5	182.4	25.91	172.4	24.49	163.1	23.00	159.4	22.33	152.2	20.85	145.1	19.43
		711.0	182.4	25.16	172.4	23.75	163.1	22.33	159.4	21.59	152.2	20.85	145.1	19.43
		888.8	182.4	24.49	172.4	23.00	163.1	22.33	159.4	21.59	152.2	20.18	145.1	19.43
		1066.5	182.4	24.16	172.4	22.63	163.1	22.33	159.4	21.59	152.2	19.84	145.1	19.43
	30	284.4	182.4	23.17	172.4	21.78	163.1	20.36	159.4	19.43	152.2	18.86	145.1	17.27
		355.5	182.4	23.00	172.4	21.59	163.1	20.18	159.4	19.43	152.2	18.69	145.1	17.27
		711.0	182.4	22.33	172.4	20.85	163.1	19.43	159.4	19.43	152.2	18.02	145.1	17.27
		888.8	182.4	22.33	172.4	20.85	163.1	19.43	159.4	18.69	152.2	18.02	145.1	17.27
		1066.5	182.4	22.33	172.4	20.85	163.1	19.43	159.4	18.31	152.2	18.02	145.1	17.27
	35	284.4	182.4	21.01	172.4	19.62	163.1	18.02	159.4	18.20	152.2	16.53	145.1	16.05
		355.5	182.4	20.85	172.4	19.43	163.1	18.02	159.4	18.02	152.2	16.53	145.1	15.86
		711.0	182.4	20.18	172.4	18.69	163.1	18.02	159.4	17.27	152.2	16.53	145.1	15.11
		888.8	182.4	20.18	172.4	18.69	163.1	17.27	159.4	17.27	152.2	16.53	145.1	15.11
		1066.5	182.4	20.18	172.4	18.69	163.1	16.90	159.4	17.27	152.2	16.53	145.1	15.11
	40	284.4	182.4	19.62	172.4	18.20	163.1	16.70	159.4	15.86	152.2	15.11	145.1	14.54
		355.5	182.4	19.43	172.4	18.02	163.1	16.53	159.4	15.86	152.2	15.11	145.1	14.37
		711.0	182.4	18.69	172.4	17.27	163.1	15.86	159.4	15.86	152.2	15.11	145.1	13.70
		888.8	182.4	18.69	172.4	17.27	163.1	15.86	159.4	15.11	152.2	14.37	145.1	13.70
		1066.5	182.4	18.69	172.4	17.27	163.1	15.86	159.4	14.74	152.2	13.99	145.1	13.70
	45	284.4	182.4	18.20	172.4	16.70	163.1	15.47	159.4	13.53	152.2	13.70	145.1	13.14
		355.5	182.4	18.02	172.4	16.53	163.1	15.11	159.4	13.70	152.2	13.70	145.1	12.95
		711.0	182.4	17.27	172.4	15.86	163.1	13.70	159.4	14.37	152.2	13.70	145.1	12.21
		888.8	182.4	17.27	172.4	15.86	163.1	14.37	159.4	12.95	152.2	12.21	145.1	12.21
		1066.5	182.4	17.27	172.4	15.86	163.1	14.71	159.4	12.24	152.2	11.46	145.1	12.21
60	-5	284.4	62.6	21.12	58.7	20.32	55.5	19.52	54.9	18.14	54.7	17.84	53.6	15.95
		355.5	64.8	21.59	60.7	20.77	57.5	19.95	56.8	18.54	56.6	18.24	55.5	16.30
		711.0	73.5	23.45	68.7	22.56	65.1	21.66	64.4	20.10	64.2	19.80	62.9	17.72
		888.8	81.1	25.24	75.9	24.34	72.0	23.38	71.1	21.74	70.9	21.37	69.4	19.06
		1066.5	84.9	26.14	79.5	25.25	75.5	24.24	74.5	22.56	74.3	22.15	72.7	19.73

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	284.4	112.1	30.95	103.3	29.85	96.3	28.57	94.4	26.58	93.1	26.21	89.7	23.39
		355.5	112.8	31.04	103.9	29.93	96.9	28.66	95.0	26.65	93.7	26.28	90.2	23.45
		711.0	115.4	31.42	106.3	30.23	99.3	29.03	97.1	26.95	95.8	26.58	92.2	23.67
		888.8	117.1	31.42	108.0	30.23	100.8	29.03	98.7	26.95	97.4	26.58	93.7	23.67
		1066.5	118.0	31.42	108.9	30.23	101.6	29.03	99.4	26.95	98.1	26.58	94.4	23.67
	5	284.4	154.9	33.70	146.1	32.44	140.1	31.10	136.6	28.96	130.8	28.51	124.5	25.40
		355.5	155.3	33.87	146.4	32.61	140.1	31.27	136.6	29.11	130.8	28.66	124.5	25.54
		711.0	156.6	34.54	147.4	33.28	140.1	31.94	136.6	29.70	130.8	29.26	124.5	26.06
		888.8	156.6	34.84	147.2	33.50	140.1	32.16	136.6	29.93	130.8	29.41	124.5	26.28
		1066.5	156.6	34.99	147.1	33.61	140.1	32.27	136.6	30.04	130.8	29.48	124.5	26.39
	10	284.4	155.7	30.97	146.6	29.63	140.1	28.22	136.6	26.35	130.8	25.85	124.5	23.17
		355.5	155.9	30.97	146.8	29.63	140.1	28.22	136.6	26.43	130.8	25.83	124.5	23.23
		711.0	156.6	30.97	147.4	29.63	140.1	28.22	136.6	26.73	130.8	25.76	124.5	23.45
		888.8	156.6	31.04	147.2	29.33	140.1	27.92	136.6	26.43	130.8	25.54	124.5	23.23
		1066.5	156.6	31.08	147.1	29.18	140.1	27.77	136.6	26.28	130.8	25.42	124.5	23.12
	15	284.4	156.6	28.26	147.2	26.84	140.1	25.33	136.6	23.75	130.8	23.17	124.5	20.85
		355.5	156.6	28.07	147.2	26.65	140.1	25.16	136.6	23.75	130.8	23.00	124.5	20.85
		711.0	156.6	27.32	147.2	25.91	140.1	24.49	136.6	23.75	130.8	22.33	124.5	20.85
		888.8	156.6	27.32	147.2	25.16	140.1	23.75	136.6	23.00	130.8	21.59	124.5	20.18
		1066.5	156.6	27.32	147.2	24.79	140.1	23.37	136.6	22.63	130.8	21.21	124.5	19.84
	20	284.4	156.6	24.68	147.2	23.17	140.1	21.78	136.6	21.01	130.8	20.36	124.5	18.86
		355.5	156.6	24.49	147.2	23.00	140.1	21.59	136.6	20.85	130.8	20.18	124.5	18.69
		711.0	156.6	23.75	147.2	22.33	140.1	20.85	136.6	20.18	130.8	19.43	124.5	18.02
		888.8	156.6	23.75	147.2	22.33	140.1	20.85	136.6	20.18	130.8	19.43	124.5	18.02
		1066.5	156.6	23.75	147.2	22.33	140.1	20.85	136.6	20.18	130.8	19.43	124.5	18.02
	25	284.4	156.6	21.78	147.2	20.36	140.1	18.69	136.6	18.86	130.8	17.27	124.5	16.70
		355.5	156.6	21.59	147.2	20.18	140.1	18.69	136.6	18.69	130.8	17.27	124.5	16.53
		711.0	156.6	20.85	147.2	19.43	140.1	18.69	136.6	18.02	130.8	17.27	124.5	15.86
		888.8	156.6	20.85	147.2	19.43	140.1	18.02	136.6	18.02	130.8	17.27	124.5	15.86
		1066.5	156.6	20.85	147.2	19.43	140.1	17.68	136.6	18.02	130.8	17.27	124.5	15.86
	30	284.4	156.6	19.62	147.2	18.20	140.1	17.46	136.6	16.70	130.8	16.05	124.5	15.30
		355.5	156.6	19.43	147.2	18.02	140.1	17.27	136.6	16.53	130.8	15.86	124.5	15.11
		711.0	156.6	18.69	147.2	17.27	140.1	16.53	136.6	15.86	130.8	15.11	124.5	14.37
		888.8	156.6	18.69	147.2	17.27	140.1	16.53	136.6	15.86	130.8	15.11	124.5	14.37
		1066.5	156.6	18.69	147.2	17.27	140.1	16.53	136.6	15.86	130.8	15.11	124.5	14.37
	35	284.4	156.6	17.27	147.2	16.70	140.1	15.11	136.6	15.30	130.8	14.54	124.5	13.89
		355.5	156.6	17.27	147.2	16.53	140.1	15.11	136.6	15.11	130.8	14.37	124.5	13.70
		711.0	156.6	17.27	147.2	15.86	140.1	15.11	136.6	14.37	130.8	13.70	124.5	12.95
		888.8	156.6	17.27	147.2	15.86	140.1	14.37	136.6	14.37	130.8	13.70	124.5	12.95
		1066.5	156.6	17.27	147.2	15.86	140.1	13.99	136.6	14.37	130.8	13.70	124.5	12.95
	40	284.4	156.6	15.86	147.2	15.30	140.1	13.70	136.6	13.89	130.8	13.14	124.5	12.21
		355.5	156.6	15.86	147.2	15.11	140.1	13.70	136.6	13.70	130.8	12.95	124.5	12.21
		711.0	156.6	15.86	147.2	14.37	140.1	13.70	136.6	12.95	130.8	12.21	124.5	12.21
		888.8	156.6	15.86	147.2	14.37	140.1	13.70	136.6	12.95	130.8	12.21	124.5	12.21
		1066.5	156.6	15.86	147.2	14.37	140.1	13.70	136.6	12.95	130.8	12.21	124.5	12.21
	45	284.4	156.6	14.37	147.2	13.89	140.1	12.21	136.6	12.38	130.8	11.73	124.5	10.61
		355.5	156.6	14.37	147.2	13.70	140.1	12.21	136.6	12.21	130.8	11.54	124.5	10.80
		711.0	156.6	14.37	147.2	12.95	140.1	12.21	136.6	11.54	130.8	10.80	124.5	11.54
		888.8	156.6	14.37	147.2	12.95	140.1	12.95	136.6	11.54	130.8	10.80	124.5	11.54
		1066.5	156.6	14.37	147.2	12.95	140.1	13.33	136.6	11.54	130.8	10.80	124.5	11.54
50	-5	284.4	52.2	16.84	49.1	15.95	46.3	15.09	45.7	14.27	45.5	13.40	44.7	12.69
		355.5	54.0	17.20	50.7	16.30	47.9	15.41	47.3	14.59	47.1	13.70	46.2	12.95
		711.0	60.9	18.61	57.2	17.72	54.2	16.68	53.6	15.86	53.3	14.89	52.3	14.00
		888.8	67.4	20.10	63.3	19.06	59.8	18.02	59.2	17.12	58.8	16.01	57.9	15.11
		1066.5	70.7	20.85	66.4	19.73	62.7	18.69	62.0	17.76	61.5	16.57	60.7	15.68
	0	284.4	93.1	24.66	86.2	23.39	80.2	22.04	78.4	20.92	77.4	19.67	74.6	18.56
		355.5	93.7	24.72	86.7	23.45	80.7	22.11	78.9	20.99	77.8	19.73	75.0	18.61
		711.0	95.8	24.94	88.7	23.67	82.6	22.41	80.9	21.29	79.8	19.95	76.8	18.84
		888.8	97.4	24.94	90.0	23.67	83.7	22.41	82.2	21.29	80.9	19.95	78.1	18.84
		1066.5	98.1	24.94	90.6	23.67	84.2	22.41	82.8	21.29	81.4	19.95	78.7	18.84
	5	284.4	128.7	26.82	122.1	25.40	116.4	23.99	113.6	22.82	108.6	21.42	103.6	20.14
		355.5	129.0	26.95	122.3	25.54	116.4	24.12	113.6	22.93	108.6	21.52	103.6	20.25
		711.0	130.1	27.47	123.2	26.06	116.7	24.64	113.6	23.38	108.6	21.89	103.6	20.70
		888.8	130.1	27.69	122.9	26.28	116.7	24.79	113.6	23.53	108.6	22.11	103.6	20.85
		1066.5	130.1	27.81	122.8	26.39	116.7	24.87	113.6	23.60	108.6	22.22	103.6	20.92

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(74HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	284.4	129.6	24.68	122.3	23.25	116.4	21.85	113.6	20.88	108.6	19.30	103.6	18.43
		355.5	129.7	24.64	122.5	23.23	116.4	21.81	113.6	20.85	108.6	19.36	103.6	18.39
		711.0	130.1	24.49	123.2	23.15	116.7	21.66	113.6	20.70	108.6	19.58	103.6	18.24
		888.8	130.1	24.64	122.9	23.23	116.7	21.74	113.6	20.77	108.6	19.28	103.6	18.31
		1066.5	130.1	24.72	122.8	23.27	116.7	21.78	113.6	20.81	108.6	19.13	103.6	18.35
	15	284.4	130.1	22.52	122.9	21.01	116.7	19.62	113.6	18.86	108.6	17.27	103.6	16.70
		355.5	130.1	22.33	122.9	20.85	116.7	19.43	113.6	18.69	108.6	17.27	103.6	16.53
		711.0	130.1	21.59	122.9	20.18	116.7	18.69	113.6	18.02	108.6	17.27	103.6	15.86
		888.8	130.1	21.59	122.9	20.18	116.7	18.69	113.6	18.02	108.6	16.53	103.6	15.86
		1066.5	130.1	21.59	122.9	20.18	116.7	18.69	113.6	18.02	108.6	16.15	103.6	15.86
	20	284.4	130.1	19.62	122.9	18.20	116.7	17.46	113.6	16.70	108.6	16.05	103.6	14.37
		355.5	130.1	19.43	122.9	18.02	116.7	17.27	113.6	16.53	108.6	15.86	103.6	14.37
		711.0	130.1	18.69	122.9	17.27	116.7	16.53	113.6	15.86	108.6	15.11	103.6	14.37
		888.8	130.1	18.69	122.9	17.27	116.7	16.53	113.6	15.86	108.6	15.11	103.6	14.37
		1066.5	130.1	18.69	122.9	17.27	116.7	16.53	113.6	15.86	108.6	15.11	103.6	14.37
	25	284.4	130.1	17.46	122.9	15.86	116.7	15.30	113.6	14.37	108.6	13.70	103.6	12.95
		355.5	130.1	17.27	122.9	15.86	116.7	15.11	113.6	14.37	108.6	13.70	103.6	12.95
		711.0	130.1	16.53	122.9	15.86	116.7	14.37	113.6	14.37	108.6	13.70	103.6	12.95
		888.8	130.1	16.53	122.9	15.86	116.7	14.37	113.6	14.37	108.6	13.70	103.6	12.95
		1066.5	130.1	16.53	122.9	15.86	116.7	14.37	113.6	14.37	108.6	13.70	103.6	12.95
	30	284.4	130.1	16.05	122.9	14.54	116.7	13.89	113.6	12.95	108.6	13.14	103.6	12.38
		355.5	130.1	15.86	122.9	14.37	116.7	13.70	113.6	12.95	108.6	12.95	103.6	12.21
		711.0	130.1	15.11	122.9	13.70	116.7	12.95	113.6	12.95	108.6	12.21	103.6	11.54
		888.8	130.1	15.11	122.9	13.70	116.7	12.95	113.6	12.95	108.6	12.21	103.6	11.54
		1066.5	130.1	15.11	122.9	13.70	116.7	12.95	113.6	12.95	108.6	12.21	103.6	11.54
	35	284.4	130.1	14.54	122.9	12.95	116.7	12.21	113.6	12.38	108.6	11.54	103.6	10.80
		355.5	130.1	14.37	122.9	12.95	116.7	12.21	113.6	12.21	108.6	11.54	103.6	10.80
		711.0	130.1	13.70	122.9	12.95	116.7	12.21	113.6	11.54	108.6	11.54	103.6	10.80
		888.8	130.1	13.70	122.9	12.95	116.7	12.21	113.6	11.54	108.6	11.54	103.6	10.80
		1066.5	130.1	13.70	122.9	12.95	116.7	12.21	113.6	11.54	108.6	11.54	103.6	10.80
	40	284.4	130.1	13.14	122.9	12.38	116.7	11.73	113.6	10.80	108.6	10.98	103.6	10.05
		355.5	130.1	12.95	122.9	12.21	116.7	11.54	113.6	10.80	108.6	10.80	103.6	10.05
		711.0	130.1	12.21	122.9	11.54	116.7	10.80	113.6	10.80	108.6	10.05	103.6	10.05
		888.8	130.1	12.21	122.9	11.54	116.7	10.80	113.6	10.80	108.6	10.05	103.6	10.05
		1066.5	130.1	12.21	122.9	11.54	116.7	10.80	113.6	10.80	108.6	10.05	103.6	10.05
	45	284.4	130.1	11.73	122.9	11.92	116.7	11.15	113.6	9.21	108.6	10.41	103.6	9.38
		355.5	130.1	11.54	122.9	11.54	116.7	10.80	113.6	9.38	108.6	10.05	103.6	9.38
		711.0	130.1	10.80	122.9	10.05	116.7	9.38	113.6	10.05	108.6	8.64	103.6	9.38
		888.8	130.1	10.80	122.9	10.05	116.7	9.38	113.6	10.05	108.6	8.64	103.6	9.38
		1066.5	130.1	10.80	122.9	10.05	116.7	9.38	113.6	10.05	108.6	8.64	103.6	9.38

Notes:
TC: Total Capacity(kW) PI : Power Input(kW)
1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(76HP)

ARWN760LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	292.0	113.3	45.66	112.4	42.99	111.8	40.02	110.3	38.84	111.5	37.82	108.5	33.91
		365.0	117.1	46.46	116.2	43.83	115.6	40.89	114.0	39.69	115.4	38.64	112.2	34.65
		730.0	132.5	49.61	131.4	47.13	130.7	44.35	128.9	43.07	130.5	41.87	127.2	37.59
		912.5	146.5	52.77	145.2	50.37	144.3	47.81	142.5	46.53	144.3	45.18	140.5	40.52
		1095.0	153.6	54.36	152.2	51.99	151.2	49.55	149.4	48.27	151.3	46.85	147.3	42.00
	0	292.0	202.3	62.45	197.7	60.59	193.5	58.61	189.3	56.96	189.9	55.40	181.3	49.61
		365.0	203.5	62.62	198.9	60.74	194.6	58.78	190.4	57.13	191.1	55.55	182.4	49.76
		730.0	208.4	63.30	203.3	61.34	199.1	59.46	194.9	57.81	195.5	56.15	186.8	50.37
		912.5	211.6	63.30	206.4	61.34	202.2	59.46	197.8	57.81	198.4	56.15	189.5	50.37
		1095.0	213.1	63.30	208.0	61.34	203.8	59.46	199.2	57.81	199.9	56.15	190.9	50.37
	5	292.0	291.4	67.13	287.0	65.47	281.0	63.80	273.9	62.00	266.6	60.29	251.9	53.99
		365.0	292.4	67.43	287.5	65.78	281.0	64.12	273.9	62.32	266.6	60.59	251.9	54.27
		730.0	296.4	68.63	289.5	66.98	281.3	65.40	273.9	63.60	266.6	61.79	251.9	55.40
		912.5	298.2	69.08	290.4	67.43	281.3	65.85	273.9	64.05	266.6	62.24	251.9	55.78
		1095.0	299.1	69.31	290.8	67.66	281.3	66.08	273.9	64.27	266.6	62.47	251.9	55.97
	10	292.0	291.8	61.08	287.0	59.03	280.1	57.92	272.8	56.62	265.6	54.69	250.9	49.35
		365.0	293.5	60.96	288.4	59.09	281.3	58.03	273.9	56.60	266.6	54.65	251.9	49.31
		730.0	300.4	60.51	293.7	59.31	285.7	58.48	278.4	56.53	270.6	54.50	255.9	49.16
		912.5	302.0	61.34	295.7	60.14	287.5	58.71	279.7	56.76	272.4	55.40	257.4	51.49
		1095.0	302.8	61.76	296.8	60.55	288.4	58.82	280.4	56.87	273.3	55.86	258.2	52.67
	15	292.0	292.2	55.05	287.1	52.70	279.0	52.13	271.7	51.27	264.5	49.09	249.8	44.73
		365.0	294.6	54.50	289.3	52.47	281.3	52.02	273.9	50.89	266.6	48.71	251.9	44.35
		730.0	304.2	52.32	298.0	51.57	290.2	51.57	282.8	49.39	274.6	47.21	259.9	42.85
		912.5	305.8	53.60	300.9	52.77	293.7	51.57	285.7	49.39	278.4	48.56	263.0	47.21
		1095.0	306.5	54.24	302.3	53.38	295.5	51.57	287.2	49.39	280.3	49.24	264.6	49.41
	20	292.0	303.3	50.50	297.8	48.15	289.9	47.10	281.9	45.59	273.7	44.57	257.5	43.21
		365.0	305.8	50.14	300.2	48.11	292.2	47.06	284.2	45.78	276.1	44.88	259.9	42.85
		730.0	315.3	48.71	309.8	47.96	301.1	46.91	293.1	46.53	285.7	46.08	269.5	41.42
		912.5	316.7	48.71	312.0	47.96	304.7	47.21	296.0	46.53	287.9	46.08	271.7	44.05
		1095.0	317.3	48.71	313.1	47.96	306.4	47.36	297.4	46.53	289.1	46.08	272.8	45.38
	25	292.0	320.2	48.15	312.0	46.76	304.7	45.97	298.9	45.20	292.2	44.54	275.5	41.61
		365.0	320.2	47.96	312.0	46.68	304.7	45.78	298.9	45.03	292.2	44.35	275.5	41.42
		730.0	320.2	47.21	312.0	46.38	304.7	45.03	298.9	44.35	292.2	43.60	275.5	40.67
		912.5	320.2	46.53	312.0	45.18	304.7	44.35	298.9	43.60	292.2	42.85	275.5	39.99
		1095.0	320.2	46.19	312.0	44.57	304.7	44.01	298.9	43.22	292.2	42.47	275.5	39.65
	30	292.0	320.2	46.91	312.0	44.58	304.7	44.17	298.9	43.02	292.2	42.55	275.5	39.60
		365.0	320.2	46.53	312.0	44.50	304.7	43.90	298.9	42.85	292.2	42.17	275.5	39.24
		730.0	320.2	45.03	312.0	44.20	304.7	42.85	298.9	42.17	292.2	40.67	275.5	37.81
		912.5	320.2	44.35	312.0	43.00	304.7	42.17	298.9	41.42	292.2	40.67	275.5	37.81
		1095.0	320.2	44.01	312.0	42.39	304.7	41.83	298.9	41.04	292.2	40.67	275.5	37.81
	35	292.0	320.2	44.73	312.0	43.25	304.7	42.36	298.9	40.84	292.2	39.43	275.5	36.67
		365.0	320.2	44.35	312.0	43.00	304.7	42.17	298.9	40.67	292.2	39.24	275.5	36.31
		730.0	320.2	42.85	312.0	42.02	304.7	41.42	298.9	39.99	292.2	38.49	275.5	34.88
		912.5	320.2	42.85	312.0	41.57	304.7	40.67	298.9	39.24	292.2	37.81	275.5	34.88
		1095.0	320.2	42.85	312.0	41.34	304.7	40.29	298.9	38.86	292.2	37.47	275.5	34.88
	40	292.0	320.2	43.21	312.0	41.84	304.7	41.03	298.9	39.60	292.2	38.19	275.5	34.49
		365.0	320.2	42.85	312.0	41.57	304.7	40.67	298.9	39.24	292.2	37.81	275.5	34.13
		730.0	320.2	41.42	312.0	40.52	304.7	39.24	298.9	37.81	292.2	36.31	275.5	32.70
		912.5	320.2	40.67	312.0	39.84	304.7	39.24	298.9	37.81	292.2	36.31	275.5	32.70
		1095.0	320.2	40.29	312.0	39.50	304.7	39.24	298.9	37.81	292.2	36.31	275.5	32.70
	45	292.0	320.2	41.78	312.0	40.41	304.7	39.79	298.9	38.36	292.2	36.86	275.5	32.31
		365.0	320.2	41.42	312.0	40.14	304.7	39.24	298.9	37.81	292.2	36.31	275.5	31.95
		730.0	320.2	39.99	312.0	39.09	304.7	37.06	298.9	35.63	292.2	34.13	275.5	30.52
		912.5	320.2	38.49	312.0	38.11	304.7	37.81	298.9	36.31	292.2	34.88	275.5	30.52
		1095.0	320.2	37.73	312.0	37.62	304.7	38.19	298.9	36.65	292.2	35.26	275.5	30.52
120	-5	292.0	107.6	45.66	106.8	42.99	106.1	40.02	104.9	38.33	105.7	37.22	102.9	33.31
		365.0	111.3	46.46	110.5	43.83	109.8	40.89	108.5	39.16	109.3	38.04	106.4	34.05
		730.0	126.0	49.61	124.9	47.13	124.3	44.35	122.7	42.47	123.8	41.27	120.5	36.98
		912.5	139.2	52.77	138.1	50.37	137.2	47.81	135.6	45.86	136.7	44.50	133.0	39.84
		1095.0	145.8	54.36	144.7	51.99	143.7	49.55	142.1	47.56	143.2	46.13	139.2	41.28
	0	292.0	192.4	62.45	187.7	60.59	183.7	58.61	180.0	56.13	180.0	54.57	171.7	48.79
		365.0	193.5	62.62	188.8	60.74	184.8	58.78	181.1	56.30	181.1	54.73	172.8	48.94
		730.0	198.0	63.30	193.3	61.34	189.3	59.46	185.3	56.98	185.3	55.33	177.0	49.54
		912.5	201.1	63.30	196.4	61.34	192.2	59.46	188.2	56.98	188.0	55.33	179.7	49.54
		1095.0	202.7	63.30	198.0	61.34	193.6	59.46	189.6	56.98	189.3	55.33	181.1	49.54

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	292.0	277.4	67.13	273.2	65.47	267.2	63.80	260.8	61.09	252.5	59.38	238.7	53.18
		365.0	278.4	67.43	273.7	65.78	267.2	64.12	260.8	61.42	252.5	59.69	238.7	53.45
		730.0	282.4	68.63	275.7	66.98	267.2	65.40	260.8	62.69	252.5	60.89	238.7	54.50
		912.5	283.9	69.08	274.1	67.43	267.2	65.85	260.8	63.14	252.5	61.34	238.7	54.88
		1095.0	284.7	69.31	273.4	67.66	267.2	66.08	260.8	63.37	252.5	61.57	238.7	55.07
	10	292.0	278.4	60.30	273.2	58.63	266.5	57.45	260.0	55.70	251.9	53.86	238.1	48.43
		365.0	279.7	60.51	274.4	58.86	267.2	57.66	260.8	55.78	252.5	53.82	238.7	48.49
		730.0	284.8	61.34	278.8	59.76	270.1	58.48	263.7	56.08	255.2	53.67	241.2	48.71
		912.5	286.4	61.12	277.9	59.76	271.2	58.71	264.8	56.30	256.3	53.90	242.3	50.37
		1095.0	287.2	61.00	277.5	59.76	271.8	58.82	265.3	56.42	256.9	54.01	242.9	51.20
	15	292.0	279.2	53.48	273.6	51.91	265.7	51.10	259.3	50.33	251.2	48.32	237.4	43.79
		365.0	280.8	53.60	275.3	52.02	267.2	51.19	260.8	50.14	252.5	47.96	238.7	43.60
		730.0	287.3	54.05	281.9	52.47	273.3	51.57	266.6	49.39	257.7	46.53	243.9	42.85
		912.5	288.8	53.22	281.7	52.02	275.5	51.57	268.8	49.39	259.9	46.53	246.1	45.78
		1095.0	289.6	52.81	281.6	51.79	276.6	51.57	269.9	49.39	261.0	46.53	247.2	47.26
	20	292.0	287.0	48.11	281.6	46.06	273.1	44.84	265.5	44.18	256.9	43.64	243.1	41.42
		365.0	288.8	48.11	283.3	46.23	274.6	45.03	267.2	44.35	258.6	43.60	244.5	41.27
		730.0	296.2	48.11	290.0	46.91	280.6	45.78	273.9	45.03	265.0	43.45	250.3	40.67
		912.5	297.5	47.66	289.7	46.53	282.8	45.78	275.5	45.03	266.6	43.60	251.9	42.17
		1095.0	298.2	47.43	289.6	46.34	283.9	45.78	276.3	45.03	267.4	43.68	252.7	42.93
	25	292.0	300.9	45.50	292.2	43.38	282.8	42.55	276.8	41.61	269.5	40.84	254.8	38.00
		365.0	301.1	45.33	292.2	43.30	282.8	42.47	276.8	41.42	269.5	40.67	254.8	37.81
		730.0	301.8	44.65	292.2	43.00	282.8	42.17	276.8	40.67	269.5	39.99	254.8	37.06
		912.5	302.6	43.00	292.2	41.87	282.8	41.42	276.8	40.67	269.5	39.24	254.8	37.06
		1095.0	303.1	42.17	292.2	41.30	282.8	41.04	276.8	40.67	269.5	38.86	254.8	37.06
	30	292.0	302.6	43.51	292.2	41.37	282.8	40.18	276.8	38.66	269.5	38.19	254.8	35.07
		365.0	302.6	43.15	292.2	41.12	282.8	39.99	276.8	38.49	269.5	37.81	254.8	34.88
		730.0	302.6	41.72	292.2	40.14	282.8	39.24	276.8	37.81	269.5	36.31	254.8	34.13
		912.5	302.6	40.37	292.2	39.24	282.8	38.49	276.8	37.81	269.5	36.31	254.8	33.45
		1095.0	302.6	39.69	292.2	38.79	282.8	38.11	276.8	37.81	269.5	36.31	254.8	33.11
	35	292.0	302.6	41.56	292.2	39.30	282.8	38.19	276.8	36.67	269.5	35.24	254.8	32.12
		365.0	302.6	40.97	292.2	38.94	282.8	37.81	276.8	36.31	269.5	34.88	254.8	31.95
		730.0	302.6	38.64	292.2	37.51	282.8	36.31	276.8	34.88	269.5	33.45	254.8	31.27
		912.5	302.6	38.19	292.2	37.21	282.8	36.31	276.8	34.88	269.5	33.45	254.8	30.52
		1095.0	302.6	37.96	292.2	37.06	282.8	36.31	276.8	34.88	269.5	33.45	254.8	30.14
	40	292.0	302.6	40.32	292.2	37.50	282.8	36.01	276.8	34.49	269.5	33.06	254.8	29.94
		365.0	302.6	39.54	292.2	37.06	282.8	35.63	276.8	34.13	269.5	32.70	254.8	29.77
		730.0	302.6	36.46	292.2	35.33	282.8	34.13	276.8	32.70	269.5	31.27	254.8	29.09
		912.5	302.6	36.01	292.2	34.88	282.8	34.13	276.8	32.70	269.5	31.27	254.8	28.34
		1095.0	302.6	35.78	292.2	34.65	282.8	34.13	276.8	32.70	269.5	31.27	254.8	27.96
	45	292.0	302.6	39.08	292.2	35.69	282.8	33.83	276.8	32.31	269.5	30.88	254.8	27.76
		365.0	302.6	38.11	292.2	35.18	282.8	33.45	276.8	31.95	269.5	30.52	254.8	27.59
		730.0	302.6	34.28	292.2	33.15	282.8	31.95	276.8	30.52	269.5	29.09	254.8	26.91
		912.5	302.6	33.83	292.2	32.55	282.8	31.95	276.8	30.52	269.5	29.09	254.8	26.16
		1095.0	302.6	33.60	292.2	32.25	282.8	31.95	276.8	30.52	269.5	29.09	254.8	25.78
110	-5	292.0	101.8	46.26	101.2	42.99	100.5	40.02	99.5	38.33	99.7	37.22	97.5	33.31
		365.0	105.3	47.06	104.7	43.83	104.0	40.89	102.9	39.16	103.1	38.04	100.9	34.05
		730.0	119.1	50.22	118.5	47.13	117.8	44.35	116.5	42.47	116.5	41.27	114.2	36.98
		912.5	131.6	53.45	130.7	50.37	130.1	47.81	128.7	45.86	128.7	44.50	126.0	39.84
		1095.0	137.9	55.08	136.9	51.99	136.2	49.55	134.9	47.56	134.9	46.13	132.0	41.28
	0	292.0	182.0	63.29	178.0	60.59	174.3	58.61	170.9	56.13	169.4	54.57	162.9	48.79
		365.0	183.1	63.45	179.0	60.74	175.3	58.78	171.9	56.30	170.4	54.73	163.9	48.94
		730.0	187.3	64.05	183.3	61.34	179.3	59.46	175.9	56.98	174.4	55.33	167.7	49.54
		912.5	190.2	64.05	186.2	61.34	182.2	59.46	178.6	56.98	177.0	55.33	170.1	49.54
		1095.0	191.6	64.05	187.6	61.34	183.6	59.46	180.0	56.98	178.4	55.33	171.4	49.54
	5	292.0	265.4	68.03	259.2	65.47	253.2	63.80	247.4	61.09	237.8	59.38	226.3	53.18
		365.0	266.3	68.33	259.7	65.78	253.2	64.12	247.4	61.42	237.8	59.69	226.3	53.45
		730.0	269.9	69.53	261.7	66.98	253.4	65.40	247.4	62.69	237.8	60.89	226.3	54.50
		912.5	271.5	69.99	262.3	67.43	253.4	65.85	247.4	63.14	237.8	61.34	226.3	54.88
		1095.0	272.3	70.21	262.7	67.66	253.4	66.08	247.4	63.37	237.8	61.57	226.3	55.07
	10	292.0	266.4	61.00	259.9	58.91	252.8	57.64	247.0	55.70	237.4	53.86	226.0	48.43
		365.0	267.5	61.12	260.6	59.09	253.2	57.81	247.4	55.78	237.8	53.82	226.3	48.49
		730.0	271.5	61.57	263.2	59.76	254.8	58.48	249.0	56.08	239.4	53.67	227.4	48.71
		912.5	273.0	61.57	264.3	59.76	255.7	58.33	249.4	55.93	239.8	53.90	228.0	49.24
		1095.0	273.8	61.57	264.9	59.76	256.1	58.26	249.6	55.85	240.1	54.01	228.4	49.50

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	292.0	267.2	53.97	260.3	52.47	252.7	51.57	246.7	50.33	237.1	48.32	225.7	43.79
		365.0	268.4	53.90	261.2	52.47	253.4	51.57	247.4	50.14	237.8	47.96	226.3	43.60
		730.0	272.8	53.60	265.0	52.47	256.3	51.57	250.3	49.39	241.0	46.53	228.5	42.85
		912.5	274.4	53.22	266.3	52.02	257.7	50.89	251.2	48.71	241.6	46.53	229.8	43.60
		1095.0	275.1	53.03	267.0	51.79	258.3	50.55	251.7	48.37	242.0	46.53	230.5	43.98
	20	292.0	272.2	46.59	264.8	45.48	256.3	44.35	249.4	43.60	240.2	42.36	227.6	39.62
		365.0	273.7	46.68	265.7	45.48	257.0	44.35	250.3	43.60	241.0	42.17	228.5	39.54
		730.0	279.5	47.06	269.2	45.48	259.9	44.35	254.1	43.60	243.9	41.42	232.1	39.24
		912.5	281.0	47.06	271.5	45.48	261.4	44.35	254.8	42.85	245.2	41.42	232.7	39.24
		1095.0	281.8	47.06	272.6	45.48	262.2	44.35	255.1	42.47	245.9	41.42	233.1	39.24
	25	292.0	280.7	42.40	272.4	40.84	261.4	40.18	255.7	38.66	246.7	37.25	233.6	34.13
		365.0	281.3	42.32	272.4	40.67	261.4	39.99	255.7	38.49	246.7	37.06	233.6	34.13
		730.0	283.5	42.02	272.4	39.99	261.4	39.24	255.7	37.81	246.7	36.31	233.6	34.13
		912.5	284.8	42.02	272.4	40.14	261.4	38.49	255.7	37.81	246.7	35.63	233.6	33.45
		1095.0	285.5	42.02	272.4	40.22	261.4	38.11	255.7	37.81	246.7	35.29	233.6	33.11
	30	292.0	284.8	38.66	272.4	37.25	261.4	35.82	255.7	35.07	246.7	32.89	233.6	30.71
		365.0	284.8	38.49	272.4	37.06	261.4	35.63	255.7	34.88	246.7	32.70	233.6	30.52
		730.0	284.8	37.81	272.4	36.31	261.4	34.88	255.7	34.13	246.7	31.95	233.6	29.77
		912.5	284.8	37.51	272.4	35.63	261.4	34.13	255.7	33.45	246.7	31.95	233.6	29.77
		1095.0	284.8	37.36	272.4	35.29	261.4	33.75	255.7	33.11	246.7	31.95	233.6	29.77
	35	292.0	284.8	36.67	272.4	34.30	261.4	32.89	255.7	31.46	246.7	29.94	233.6	27.76
		365.0	284.8	36.31	272.4	34.13	261.4	32.70	255.7	31.27	246.7	29.77	233.6	27.59
		730.0	284.8	34.88	272.4	33.45	261.4	31.95	255.7	30.52	246.7	29.09	233.6	26.91
		912.5	284.8	33.98	272.4	32.70	261.4	31.27	255.7	30.52	246.7	29.09	233.6	26.91
		1095.0	284.8	33.52	272.4	32.32	261.4	30.93	255.7	30.52	246.7	29.09	233.6	26.91
	40	292.0	284.8	34.49	272.4	33.06	261.4	30.88	255.7	29.28	246.7	27.76	233.6	25.58
		365.0	284.8	34.13	272.4	32.70	261.4	30.52	255.7	29.09	246.7	27.59	233.6	25.41
		730.0	284.8	32.70	272.4	31.27	261.4	29.09	255.7	28.34	246.7	26.91	233.6	24.73
		912.5	284.8	32.25	272.4	30.52	261.4	29.09	255.7	27.59	246.7	26.16	233.6	23.98
		1095.0	284.8	32.02	272.4	30.14	261.4	29.09	255.7	27.21	246.7	25.78	233.6	23.60
	45	292.0	284.8	32.31	272.4	31.82	261.4	28.89	255.7	27.10	246.7	25.58	233.6	23.40
		365.0	284.8	31.95	272.4	31.27	261.4	28.34	255.7	26.91	246.7	25.41	233.6	23.23
		730.0	284.8	30.52	272.4	29.09	261.4	26.16	255.7	26.16	246.7	24.73	233.6	22.55
		912.5	284.8	30.52	272.4	28.34	261.4	26.91	255.7	24.73	246.7	23.23	233.6	21.05
		1095.0	284.8	30.52	272.4	27.96	261.4	27.29	255.7	24.01	246.7	22.47	233.6	20.29
100	-5	292.0	96.2	46.26	95.6	43.59	95.2	40.02	94.3	38.33	93.4	36.62	91.7	33.31
		365.0	99.5	47.06	98.9	44.43	98.4	40.89	97.5	39.16	96.7	37.44	94.9	34.05
		730.0	112.7	50.22	112.0	47.73	111.3	44.35	110.2	42.47	109.3	40.67	107.6	36.98
		912.5	124.5	53.45	123.6	51.04	122.9	47.81	121.8	45.86	120.9	43.83	118.7	39.84
		1095.0	130.4	55.08	129.4	52.71	128.8	49.55	127.7	47.56	126.8	45.42	124.3	41.28
	0	292.0	172.0	63.29	168.2	61.41	164.7	58.61	161.8	56.13	158.9	53.75	153.4	48.79
		365.0	173.0	63.45	169.3	61.57	165.7	58.78	162.8	56.30	159.9	53.90	154.3	48.94
		730.0	177.0	64.05	173.3	62.17	169.5	59.46	166.6	56.98	163.7	54.50	157.9	49.54
		912.5	179.7	64.05	175.9	62.17	172.1	59.46	169.0	56.98	166.1	54.50	160.3	49.54
		1095.0	181.1	64.05	177.3	62.17	173.5	59.46	170.3	56.98	167.4	54.50	161.6	49.54
	5	292.0	253.9	68.03	245.4	66.37	239.1	63.80	234.3	61.09	223.1	58.48	212.9	53.18
		365.0	254.8	68.33	245.9	66.68	239.2	64.12	234.3	61.42	223.1	58.78	212.9	53.45
		730.0	258.3	69.53	247.6	67.88	239.4	65.40	234.3	62.69	223.1	59.99	212.9	54.50
		912.5	259.9	69.99	248.3	68.33	239.4	65.85	234.3	63.14	223.1	60.36	212.9	54.88
		1095.0	260.7	70.21	248.6	68.56	239.4	66.08	234.3	63.37	223.1	60.55	212.9	55.07
	10	292.0	255.3	60.83	246.2	59.50	239.4	57.64	234.3	55.70	223.1	52.94	212.9	48.43
		365.0	255.9	61.12	246.5	59.69	239.4	57.81	234.3	55.78	223.1	53.00	212.9	48.49
		730.0	258.3	62.24	247.9	60.44	239.4	58.48	234.3	56.08	223.1	53.22	212.9	48.71
		912.5	260.1	62.02	249.0	60.44	239.4	58.33	234.3	55.93	223.1	53.07	212.9	48.49
		1095.0	261.0	61.90	249.5	60.44	239.4	58.26	234.3	55.85	223.1	53.00	212.9	48.37
	15	292.0	256.7	53.63	247.2	52.73	239.4	51.57	234.3	50.33	223.1	47.38	212.9	43.79
		365.0	257.0	53.90	247.4	52.77	239.4	51.57	234.3	50.14	223.1	47.21	212.9	43.60
		730.0	258.3	54.95	248.1	52.92	239.4	51.57	234.3	49.39	223.1	46.53	212.9	42.85
		912.5	260.6	54.05	249.4	52.47	239.4	50.89	234.3	48.71	223.1	45.78	212.9	42.17
		1095.0	261.7	53.59	250.1	52.24	239.4	50.55	234.3	48.37	223.1	45.40	212.9	41.83
	20	292.0	258.0	45.87	248.6	44.69	239.4	43.60	234.3	43.02	223.1	40.18	212.9	38.19
		365.0	259.0	46.08	248.8	44.73	239.4	43.60	234.3	42.85	223.1	39.99	212.9	37.81
		730.0	262.8	46.91	249.4	44.88	239.4	43.60	234.3	42.17	223.1	39.24	212.9	36.31
		912.5	264.3	46.08	251.6	44.50	239.4	42.85	234.3	41.42	223.1	38.49	212.9	35.63
		1095.0	265.1	45.66	252.8	44.31	239.4	42.47	234.3	41.04	223.1	38.11	212.9	35.29

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	292.0	261.2	40.10	252.5	38.85	239.4	37.25	234.3	35.82	223.1	33.64	212.9	30.52
		365.0	262.1	40.14	252.5	38.64	239.4	37.06	234.3	35.63	223.1	33.45	212.9	30.52
		730.0	265.9	40.29	252.5	37.81	239.4	36.31	234.3	34.88	223.1	32.70	212.9	30.52
		912.5	267.2	39.39	252.5	37.51	239.4	35.63	234.3	34.13	223.1	32.70	212.9	29.77
		1095.0	267.9	38.94	252.5	37.36	239.4	35.29	234.3	33.75	223.1	32.70	212.9	29.39
	30	292.0	267.2	36.48	252.5	33.64	239.4	31.35	234.3	30.71	223.1	28.34	212.9	27.10
		365.0	267.2	36.31	252.5	33.45	239.4	31.27	234.3	30.52	223.1	28.34	212.9	26.91
		730.0	267.2	35.63	252.5	32.70	239.4	30.97	234.3	29.77	223.1	28.34	212.9	26.16
		912.5	267.2	34.88	252.5	32.70	239.4	30.52	234.3	29.77	223.1	27.59	212.9	26.16
		1095.0	267.2	34.50	252.5	32.70	239.4	30.29	234.3	29.77	223.1	27.21	212.9	26.16
	35	292.0	267.2	33.83	252.5	30.88	239.4	27.66	234.3	27.10	223.1	25.58	212.9	23.40
		365.0	267.2	33.45	252.5	30.52	239.4	27.59	234.3	26.91	223.1	25.41	212.9	23.23
		730.0	267.2	31.95	252.5	29.09	239.4	27.29	234.3	26.16	223.1	24.73	212.9	22.55
		912.5	267.2	31.95	252.5	29.09	239.4	26.91	234.3	26.16	223.1	24.73	212.9	22.55
		1095.0	267.2	31.95	252.5	29.09	239.4	26.72	234.3	26.16	223.1	24.73	212.9	22.55
	40	292.0	267.2	31.65	252.5	28.70	239.4	24.81	234.3	24.17	223.1	22.74	212.9	21.22
		365.0	267.2	31.27	252.5	28.34	239.4	24.73	234.3	23.98	223.1	22.55	212.9	21.05
		730.0	267.2	29.77	252.5	26.91	239.4	24.43	234.3	23.23	223.1	21.80	212.9	20.37
		912.5	267.2	29.09	252.5	26.91	239.4	23.98	234.3	23.23	223.1	21.80	212.9	20.37
		1095.0	267.2	28.75	252.5	26.91	239.4	23.75	234.3	23.23	223.1	21.80	212.9	20.37
	45	292.0	267.2	29.47	252.5	26.52	239.4	21.88	234.3	21.22	223.1	19.81	212.9	19.04
		365.0	267.2	29.09	252.5	26.16	239.4	21.80	234.3	21.05	223.1	19.62	212.9	18.87
		730.0	267.2	27.59	252.5	24.73	239.4	21.50	234.3	20.37	223.1	18.87	212.9	18.19
		912.5	267.2	26.16	252.5	24.73	239.4	21.05	234.3	20.37	223.1	18.87	212.9	18.19
		1095.0	267.2	25.44	252.5	24.73	239.4	20.82	234.3	20.37	223.1	18.87	212.9	18.19
90	-5	292.0	90.8	42.93	88.0	39.10	85.5	34.35	84.8	32.73	84.1	31.55	82.7	28.31
		365.0	94.0	43.68	91.1	39.84	88.4	35.11	87.7	33.45	87.1	32.25	85.5	28.94
		730.0	106.4	46.61	103.1	42.77	100.0	38.11	99.3	36.31	98.7	35.03	96.7	31.42
		912.5	117.6	49.54	113.8	45.78	110.5	41.12	109.6	39.16	108.9	37.74	106.9	33.90
		1095.0	123.2	51.02	119.2	47.30	115.7	42.63	114.7	40.60	114.1	39.10	112.1	35.15
	0	292.0	162.5	58.48	155.0	54.87	147.9	50.38	145.7	48.05	143.2	46.25	137.9	41.53
		365.0	163.5	58.63	155.9	55.03	148.8	50.52	146.5	48.19	144.1	46.38	138.7	41.65
		730.0	167.2	59.24	159.5	55.63	152.3	51.04	149.9	48.71	147.4	46.91	142.1	42.10
		912.5	169.7	59.24	161.9	55.63	154.8	51.04	152.1	48.71	149.9	46.91	144.3	42.10
		1095.0	170.9	59.24	163.1	55.63	156.0	51.04	153.2	48.71	151.1	46.91	145.4	42.10
	5	292.0	229.6	62.78	222.2	59.25	215.1	54.84	210.7	52.28	201.3	50.33	191.7	45.18
		365.0	229.8	63.07	222.0	59.54	215.1	55.10	210.7	52.55	201.3	50.59	191.7	45.40
		730.0	230.7	64.20	221.4	60.66	215.1	56.15	210.7	53.60	201.3	51.64	191.7	46.31
		912.5	232.1	64.57	222.0	61.04	215.1	56.60	210.7	53.97	201.3	52.02	191.7	46.68
		1095.0	232.7	64.76	222.4	61.23	215.1	56.83	210.7	54.16	201.3	52.21	191.7	46.87
	10	292.0	230.8	55.44	223.0	52.71	215.1	49.63	210.7	47.60	201.3	45.67	191.7	41.16
		365.0	230.7	55.48	222.7	52.77	215.1	49.69	210.7	47.66	201.3	45.63	191.7	41.19
		730.0	230.3	55.63	221.6	53.00	215.1	49.91	210.7	47.88	201.3	45.48	191.7	41.34
		912.5	231.8	55.48	222.3	52.85	215.1	49.76	210.7	47.73	201.3	45.63	191.7	41.50
		1095.0	232.6	55.40	222.6	52.77	215.1	49.69	210.7	47.66	201.3	45.71	191.7	41.57
	15	292.0	232.0	48.00	223.8	46.27	215.1	44.54	210.7	43.02	201.3	41.03	191.7	37.25
		365.0	231.6	47.81	223.4	46.08	215.1	44.35	210.7	42.85	201.3	40.67	191.7	37.06
		730.0	230.0	47.06	221.8	45.33	215.1	43.60	210.7	42.17	201.3	39.24	191.7	36.31
		912.5	231.6	46.38	222.5	44.65	215.1	42.85	210.7	41.42	201.3	39.24	191.7	36.31
		1095.0	232.4	46.04	222.8	44.31	215.1	42.47	210.7	41.04	201.3	39.24	191.7	36.31
	20	292.0	233.4	40.52	224.7	39.35	215.1	38.00	210.7	36.48	201.3	35.24	191.7	33.06
		365.0	233.2	40.52	224.3	39.24	215.1	37.81	210.7	36.31	201.3	34.88	191.7	32.70
		730.0	232.3	40.52	222.5	38.79	215.1	37.06	210.7	35.63	201.3	33.45	191.7	31.27
		912.5	232.9	39.84	223.1	38.49	215.1	37.06	210.7	35.63	201.3	33.45	191.7	31.27
		1095.0	233.3	39.50	223.5	38.34	215.1	37.06	210.7	35.63	201.3	33.45	191.7	31.27
	25	292.0	237.3	35.41	227.6	33.53	215.1	32.12	210.7	30.52	201.3	29.28	191.7	27.10
		365.0	237.8	35.33	227.6	33.45	215.1	31.95	210.7	30.52	201.3	29.09	191.7	26.91
		730.0	240.1	35.03	227.6	33.15	215.1	31.27	210.7	30.52	201.3	28.34	191.7	26.16
		912.5	241.0	34.13	227.6	32.40	215.1	31.27	210.7	29.77	201.3	28.34	191.7	26.16
		1095.0	241.4	33.67	227.6	32.02	215.1	31.27	210.7	29.39	201.3	28.34	191.7	26.16
	30	292.0	241.0	32.12	227.6	29.94	215.1	27.76	210.7	27.10	201.3	25.58	191.7	23.23
		365.0	241.0	31.95	227.6	29.77	215.1	27.59	210.7	26.91	201.3	25.41	191.7	23.23
		730.0	241.0	31.27	227.6	29.09	215.1	26.91	210.7	26.16	201.3	24.73	191.7	23.23
		912.5	241.0	30.52	227.6	28.34	215.1	26.91	210.7	26.16	201.3	24.73	191.7	22.55
		1095.0	241.0	30.14	227.6	27.96	215.1	26.91	210.7	26.16	201.3	24.73	191.7	22.21

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	292.0	241.0	29.28	227.6	27.10	215.1	24.92	210.7	24.17	201.3	22.74	191.7	21.22
		365.0	241.0	29.09	227.6	26.91	215.1	24.73	210.7	23.98	201.3	22.55	191.7	21.05
		730.0	241.0	28.34	227.6	26.16	215.1	23.98	210.7	23.23	201.3	21.80	191.7	20.37
		912.5	241.0	27.59	227.6	25.41	215.1	23.23	210.7	22.55	201.3	21.80	191.7	20.37
		1095.0	241.0	27.21	227.6	25.03	215.1	22.85	210.7	22.21	201.3	21.80	191.7	20.37
	40	292.0	241.0	27.29	227.6	24.92	215.1	21.99	210.7	21.22	201.3	20.56	191.7	19.04
		365.0	241.0	26.91	227.6	24.73	215.1	21.80	210.7	21.05	201.3	20.37	191.7	18.87
		730.0	241.0	25.41	227.6	23.98	215.1	21.05	210.7	20.37	201.3	19.62	191.7	18.19
		912.5	241.0	25.41	227.6	23.98	215.1	21.05	210.7	20.37	201.3	19.62	191.7	18.19
		1095.0	241.0	25.41	227.6	23.98	215.1	21.05	210.7	20.37	201.3	19.62	191.7	18.19
	45	292.0	241.0	25.28	227.6	22.74	215.1	19.04	210.7	18.38	201.3	18.38	191.7	16.86
		365.0	241.0	24.73	227.6	22.55	215.1	18.87	210.7	18.19	201.3	18.19	191.7	16.69
		730.0	241.0	22.55	227.6	21.80	215.1	18.19	210.7	17.44	201.3	17.44	191.7	16.01
		912.5	241.0	23.23	227.6	22.55	215.1	18.87	210.7	18.19	201.3	17.44	191.7	16.01
		1095.0	241.0	23.57	227.6	22.93	215.1	19.21	210.7	18.57	201.3	17.44	191.7	16.01
80	-5	292.0	85.9	30.59	80.5	29.42	76.2	28.18	75.4	27.23	74.9	25.97	73.4	23.92
		365.0	88.9	31.27	83.3	30.07	78.8	28.79	77.9	27.81	77.5	26.54	75.9	24.43
		730.0	100.4	33.98	94.2	32.62	89.1	31.20	88.2	30.14	87.7	28.79	86.0	26.46
		912.5	111.1	36.61	104.0	35.18	98.4	33.68	97.3	32.55	96.9	31.05	94.9	28.57
		1095.0	116.5	37.93	108.9	36.47	103.1	34.93	101.9	33.76	101.5	32.18	99.4	29.63
	0	292.0	153.4	44.90	141.5	43.09	131.7	41.31	129.3	39.88	127.5	38.00	122.6	35.01
		365.0	154.3	45.03	142.3	43.22	132.5	41.42	130.1	39.99	128.3	38.11	123.4	35.11
		730.0	158.1	45.55	145.6	43.75	135.6	41.87	133.2	40.44	131.4	38.56	126.3	35.48
		912.5	160.3	45.55	147.9	43.75	137.8	41.87	135.2	40.44	133.4	38.56	128.3	35.48
		1095.0	161.5	45.55	149.0	43.75	139.0	41.87	136.2	40.44	134.4	38.56	129.3	35.48
	5	292.0	212.2	48.82	200.3	46.98	191.5	44.86	187.3	43.37	179.3	41.36	170.4	38.05
		365.0	212.7	49.09	200.7	47.21	191.5	45.10	187.3	43.60	179.3	41.57	170.4	38.26
		730.0	214.5	50.14	202.2	48.11	191.7	46.08	187.3	44.50	179.3	42.40	170.4	39.09
		912.5	214.5	50.44	202.0	48.49	191.7	46.38	187.3	44.80	179.3	42.70	170.4	39.32
		1095.0	214.5	50.59	201.9	48.68	191.7	46.53	187.3	44.95	179.3	42.85	170.4	39.43
	10	292.0	213.3	44.93	201.1	42.91	191.5	40.72	187.3	39.60	179.3	37.49	170.4	34.71
		365.0	213.6	44.88	201.3	42.85	191.5	40.74	187.3	39.62	179.3	37.51	170.4	34.73
		730.0	214.5	44.65	202.2	42.62	191.7	40.82	187.3	39.69	179.3	37.59	170.4	34.80
		912.5	214.5	44.50	202.0	42.77	191.7	40.97	187.3	39.47	179.3	37.36	170.4	34.58
		1095.0	214.5	44.43	201.9	42.85	191.7	41.04	187.3	39.35	179.3	37.25	170.4	34.47
	15	292.0	214.5	41.03	202.0	38.85	191.7	36.48	187.3	35.82	179.3	33.64	170.4	31.46
		365.0	214.5	40.67	202.0	38.49	191.7	36.31	187.3	35.63	179.3	33.45	170.4	31.27
		730.0	214.5	39.24	202.0	37.06	191.7	35.63	187.3	34.88	179.3	32.70	170.4	30.52
		912.5	214.5	38.49	202.0	37.06	191.7	35.63	187.3	34.13	179.3	31.95	170.4	29.77
		1095.0	214.5	38.11	202.0	37.06	191.7	35.63	187.3	33.75	179.3	31.57	170.4	29.39
	20	292.0	214.5	34.30	202.0	32.89	191.7	31.27	187.3	30.71	179.3	29.28	170.4	27.10
		365.0	214.5	34.13	202.0	32.70	191.7	31.27	187.3	30.52	179.3	29.09	170.4	26.91
		730.0	214.5	33.45	202.0	31.95	191.7	31.27	187.3	29.77	179.3	28.34	170.4	26.16
		912.5	214.5	32.70	202.0	31.27	191.7	30.52	187.3	29.77	179.3	27.59	170.4	26.16
		1095.0	214.5	32.32	202.0	30.93	191.7	30.14	187.3	29.77	179.3	27.21	170.4	26.16
	25	292.0	214.5	30.71	202.0	28.53	191.7	26.91	187.3	26.35	179.3	24.92	170.4	23.40
		365.0	214.5	30.52	202.0	28.34	191.7	26.91	187.3	26.16	179.3	24.73	170.4	23.23
		730.0	214.5	29.77	202.0	27.59	191.7	26.91	187.3	25.41	179.3	23.98	170.4	22.55
		912.5	214.5	29.09	202.0	27.59	191.7	26.16	187.3	25.41	179.3	23.98	170.4	22.55
		1095.0	214.5	28.75	202.0	27.59	191.7	25.78	187.3	25.41	179.3	23.98	170.4	22.55
	30	292.0	214.5	27.10	202.0	25.58	191.7	24.17	187.3	23.40	179.3	21.99	170.4	20.56
		365.0	214.5	26.91	202.0	25.41	191.7	23.98	187.3	23.23	179.3	21.80	170.4	20.37
		730.0	214.5	26.16	202.0	24.73	191.7	23.23	187.3	22.55	179.3	21.05	170.4	19.62
		912.5	214.5	26.16	202.0	24.73	191.7	23.23	187.3	22.55	179.3	21.05	170.4	19.62
		1095.0	214.5	26.16	202.0	24.73	191.7	23.23	187.3	22.55	179.3	21.05	170.4	19.62
	35	292.0	214.5	24.92	202.0	23.40	191.7	21.22	187.3	20.37	179.3	19.81	170.4	18.19
		365.0	214.5	24.73	202.0	23.23	191.7	21.05	187.3	20.37	179.3	19.62	170.4	18.19
		730.0	214.5	23.98	202.0	22.55	191.7	20.37	187.3	20.37	179.3	18.87	170.4	18.19
		912.5	214.5	23.98	202.0	21.80	191.7	20.37	187.3	19.62	179.3	18.87	170.4	17.44
		1095.0	214.5	23.98	202.0	21.42	191.7	20.37	187.3	19.24	179.3	18.87	170.4	17.06
	40	292.0	214.5	23.59	202.0	21.22	191.7	18.87	187.3	19.04	179.3	17.44	170.4	16.86
		365.0	214.5	23.23	202.0	21.05	191.7	18.87	187.3	18.87	179.3	17.44	170.4	16.69
		730.0	214.5	21.80	202.0	20.37	191.7	18.87	187.3	18.19	179.3	17.44	170.4	16.01
		912.5	214.5	21.80	202.0	20.37	191.7	18.19	187.3	18.19	179.3	17.44	170.4	16.01
		1095.0	214.5	21.80	202.0	20.37	191.7	17.85	187.3	18.19	179.3	17.44	170.4	16.01

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	292.0	214.5	22.35	202.0	19.04	191.7	16.50	187.3	17.80	179.3	15.07	170.4	15.62
		365.0	214.5	21.80	202.0	18.87	191.7	16.69	187.3	17.44	179.3	15.26	170.4	15.26
		730.0	214.5	19.62	202.0	18.19	191.7	17.44	187.3	16.01	179.3	16.01	170.4	13.83
		912.5	214.5	19.62	202.0	18.87	191.7	16.01	187.3	16.69	179.3	16.01	170.4	14.51
		1095.0	214.5	19.62	202.0	19.21	191.7	15.29	187.3	17.03	179.3	16.01	170.4	14.85
70	-5	292.0	74.9	26.27	70.4	25.01	66.6	24.20	65.9	22.81	65.5	22.00	64.4	20.01
		365.0	77.5	26.84	72.8	25.56	68.8	24.73	68.1	23.30	67.7	22.48	66.6	20.45
		730.0	87.7	29.09	82.4	27.74	77.7	26.84	77.1	25.26	76.6	24.36	75.3	22.18
		912.5	97.1	31.42	91.1	29.92	86.0	28.94	85.3	27.21	84.6	26.31	83.1	23.90
		1095.0	101.8	32.60	95.5	31.02	90.1	30.00	89.4	28.20	88.7	27.30	87.0	24.78
	0	292.0	134.2	38.45	124.0	36.66	115.1	35.44	113.1	33.36	111.3	32.23	107.4	29.32
		365.0	135.0	38.56	124.7	36.76	115.8	35.56	113.8	33.45	112.0	32.32	108.0	29.39
		730.0	138.1	39.01	127.6	37.14	118.5	36.01	116.5	33.83	114.7	32.70	110.5	29.69
		912.5	140.1	39.01	129.6	37.14	120.3	36.01	118.3	33.83	116.5	32.70	112.2	29.69
		1095.0	141.1	39.01	130.6	37.14	121.2	36.01	119.2	33.83	117.4	32.70	113.1	29.69
	5	292.0	185.3	41.89	175.6	39.86	167.2	38.58	163.7	36.36	156.3	35.07	149.0	31.85
		365.0	185.7	42.10	175.9	40.07	167.2	38.79	163.7	36.53	156.3	35.26	149.0	32.02
		730.0	187.3	42.92	177.3	40.89	167.5	39.62	163.7	37.21	156.3	36.01	149.0	32.70
		912.5	187.3	43.22	177.0	41.19	167.5	39.92	163.7	37.51	156.3	36.23	149.0	32.93
		1095.0	187.3	43.38	176.9	41.35	167.5	40.07	163.7	37.66	156.3	36.35	149.0	33.04
	10	292.0	186.2	38.56	176.2	36.46	167.5	35.11	163.7	33.15	156.3	31.80	149.0	29.09
		365.0	186.4	38.49	176.4	36.38	167.5	35.03	163.7	33.15	156.3	31.80	149.0	29.09
		730.0	187.3	38.19	177.0	36.08	167.5	34.73	163.7	33.15	156.3	31.80	149.0	29.09
		912.5	187.3	38.34	177.0	36.23	167.5	34.88	163.7	33.30	156.3	31.57	149.0	29.17
		1095.0	187.3	38.41	177.0	36.31	167.5	34.96	163.7	33.38	156.3	31.46	149.0	29.20
	15	292.0	187.3	35.24	177.0	33.06	167.5	31.65	163.7	29.94	156.3	28.53	149.0	26.35
		365.0	187.3	34.88	177.0	32.70	167.5	31.27	163.7	29.77	156.3	28.34	149.0	26.16
		730.0	187.3	33.45	177.0	31.27	167.5	29.77	163.7	29.09	156.3	27.59	149.0	25.41
		912.5	187.3	33.45	177.0	31.27	167.5	29.77	163.7	29.09	156.3	26.91	149.0	25.41
		1095.0	187.3	33.45	177.0	31.27	167.5	29.77	163.7	29.09	156.3	26.57	149.0	25.41
	20	292.0	187.3	29.28	177.0	27.76	167.5	27.10	163.7	26.35	156.3	24.92	149.0	23.40
		365.0	187.3	29.09	177.0	27.59	167.5	26.91	163.7	26.16	156.3	24.73	149.0	23.23
		730.0	187.3	28.34	177.0	26.91	167.5	26.16	163.7	25.41	156.3	23.98	149.0	22.55
		912.5	187.3	28.34	177.0	26.91	167.5	26.16	163.7	24.73	156.3	23.98	149.0	21.80
		1095.0	187.3	28.34	177.0	26.91	167.5	26.16	163.7	24.39	156.3	23.98	149.0	21.42
	25	292.0	187.3	26.35	177.0	24.92	167.5	23.40	163.7	22.74	156.3	21.05	149.0	19.62
		365.0	187.3	26.16	177.0	24.73	167.5	23.23	163.7	22.55	156.3	21.05	149.0	19.62
		730.0	187.3	25.41	177.0	23.98	167.5	22.55	163.7	21.80	156.3	21.05	149.0	19.62
		912.5	187.3	24.73	177.0	23.23	167.5	22.55	163.7	21.80	156.3	20.37	149.0	19.62
		1095.0	187.3	24.39	177.0	22.85	167.5	22.55	163.7	21.80	156.3	20.03	149.0	19.62
	30	292.0	187.3	23.40	177.0	21.99	167.5	20.56	163.7	19.62	156.3	19.04	149.0	17.44
		365.0	187.3	23.23	177.0	21.80	167.5	20.37	163.7	19.62	156.3	18.87	149.0	17.44
		730.0	187.3	22.55	177.0	21.05	167.5	19.62	163.7	19.62	156.3	18.19	149.0	17.44
		912.5	187.3	22.55	177.0	21.05	167.5	19.62	163.7	18.87	156.3	18.19	149.0	17.44
		1095.0	187.3	22.55	177.0	21.05	167.5	19.62	163.7	18.49	156.3	18.19	149.0	17.44
	35	292.0	187.3	21.22	177.0	19.81	167.5	18.19	163.7	18.38	156.3	16.69	149.0	16.20
		365.0	187.3	21.05	177.0	19.62	167.5	18.19	163.7	18.19	156.3	16.69	149.0	16.01
		730.0	187.3	20.37	177.0	18.87	167.5	18.19	163.7	17.44	156.3	16.69	149.0	15.26
		912.5	187.3	20.37	177.0	18.87	167.5	17.44	163.7	17.44	156.3	16.69	149.0	15.26
		1095.0	187.3	20.37	177.0	18.87	167.5	17.06	163.7	17.44	156.3	16.69	149.0	15.26
	40	292.0	187.3	19.81	177.0	18.38	167.5	16.86	163.7	16.01	156.3	15.26	149.0	14.68
		365.0	187.3	19.62	177.0	18.19	167.5	16.69	163.7	16.01	156.3	15.26	149.0	14.51
		730.0	187.3	18.87	177.0	17.44	167.5	16.01	163.7	16.01	156.3	15.26	149.0	13.83
		912.5	187.3	18.87	177.0	17.44	167.5	16.01	163.7	15.26	156.3	14.51	149.0	13.83
		1095.0	187.3	18.87	177.0	17.44	167.5	16.01	163.7	14.88	156.3	14.13	149.0	13.83
	45	292.0	187.3	18.38	177.0	16.86	167.5	15.62	163.7	13.66	156.3	13.83	149.0	13.27
		365.0	187.3	18.19	177.0	16.69	167.5	15.26	163.7	13.83	156.3	13.83	149.0	13.08
		730.0	187.3	17.44	177.0	16.01	167.5	13.83	163.7	14.51	156.3	13.83	149.0	12.33
		912.5	187.3	17.44	177.0	16.01	167.5	14.51	163.7	13.08	156.3	12.33	149.0	12.33
		1095.0	187.3	17.44	177.0	16.01	167.5	14.85	163.7	12.36	156.3	11.57	149.0	12.33
60	-5	292.0	64.3	21.33	60.3	20.52	57.0	19.71	56.4	18.32	56.2	18.02	55.1	16.10
		365.0	66.6	21.80	62.4	20.97	59.0	20.15	58.3	18.72	58.1	18.42	57.0	16.46
		730.0	75.5	23.68	70.6	22.78	66.8	21.88	66.1	20.30	65.9	20.00	64.6	17.89
		912.5	83.3	25.48	77.9	24.58	73.9	23.60	73.0	21.95	72.8	21.57	71.3	19.24
		1095.0	87.2	26.39	81.6	25.49	77.5	24.48	76.5	22.78	76.3	22.37	74.6	19.93

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	292.0	115.1	31.25	106.1	30.14	98.9	28.85	97.0	26.84	95.6	26.46	92.1	23.62
		365.0	115.8	31.35	106.7	30.22	99.5	28.94	97.5	26.91	96.2	26.54	92.6	23.68
		730.0	118.5	31.72	109.1	30.52	102.0	29.32	99.8	27.21	98.4	26.84	94.6	23.90
		912.5	120.3	31.72	110.9	30.52	103.6	29.32	101.3	27.21	100.0	26.84	96.2	23.90
		1095.0	121.2	31.72	111.8	30.52	104.3	29.32	102.1	27.21	100.8	26.84	97.0	23.90
	5	292.0	159.1	34.03	150.0	32.75	143.9	31.40	140.3	29.24	134.3	28.79	127.8	25.65
		365.0	159.5	34.20	150.3	32.93	143.9	31.57	140.3	29.39	134.3	28.94	127.8	25.78
		730.0	160.8	34.88	151.4	33.60	143.9	32.25	140.3	29.99	134.3	29.54	127.8	26.31
		912.5	160.8	35.18	151.2	33.83	143.9	32.47	140.3	30.22	134.3	29.69	127.8	26.54
		1095.0	160.8	35.33	151.1	33.94	143.9	32.59	140.3	30.33	134.3	29.77	127.8	26.65
	10	292.0	160.0	31.27	150.6	29.92	143.9	28.49	140.3	26.61	134.3	26.10	127.8	23.40
		365.0	160.1	31.27	150.8	29.92	143.9	28.49	140.3	26.69	134.3	26.08	127.8	23.45
		730.0	160.8	31.27	151.4	29.92	143.9	28.49	140.3	26.99	134.3	26.01	127.8	23.68
		912.5	160.8	31.35	151.2	29.62	143.9	28.19	140.3	26.69	134.3	25.78	127.8	23.45
		1095.0	160.8	31.38	151.1	29.47	143.9	28.04	140.3	26.53	134.3	25.67	127.8	23.34
	15	292.0	160.8	28.53	151.2	27.10	143.9	25.58	140.3	23.98	134.3	23.40	127.8	21.05
		365.0	160.8	28.34	151.2	26.91	143.9	25.41	140.3	23.98	134.3	23.23	127.8	21.05
		730.0	160.8	27.59	151.2	26.16	143.9	24.73	140.3	23.98	134.3	22.55	127.8	21.05
		912.5	160.8	27.59	151.2	25.41	143.9	23.98	140.3	23.23	134.3	21.80	127.8	20.37
		1095.0	160.8	27.59	151.2	25.03	143.9	23.60	140.3	22.85	134.3	21.42	127.8	20.03
	20	292.0	160.8	24.92	151.2	23.40	143.9	21.99	140.3	21.22	134.3	20.56	127.8	19.04
		365.0	160.8	24.73	151.2	23.23	143.9	21.80	140.3	21.05	134.3	20.37	127.8	18.87
		730.0	160.8	23.98	151.2	22.55	143.9	21.05	140.3	20.37	134.3	19.62	127.8	18.19
		912.5	160.8	23.98	151.2	22.55	143.9	21.05	140.3	20.37	134.3	19.62	127.8	18.19
		1095.0	160.8	23.98	151.2	22.55	143.9	21.05	140.3	20.37	134.3	19.62	127.8	18.19
	25	292.0	160.8	21.99	151.2	20.56	143.9	18.87	140.3	19.04	134.3	17.44	127.8	16.86
		365.0	160.8	21.80	151.2	20.37	143.9	18.87	140.3	18.87	134.3	17.44	127.8	16.69
		730.0	160.8	21.05	151.2	19.62	143.9	18.87	140.3	18.19	134.3	17.44	127.8	16.01
		912.5	160.8	21.05	151.2	19.62	143.9	18.19	140.3	18.19	134.3	17.44	127.8	16.01
		1095.0	160.8	21.05	151.2	19.62	143.9	17.85	140.3	18.19	134.3	17.44	127.8	16.01
	30	292.0	160.8	19.81	151.2	18.38	143.9	17.63	140.3	16.86	134.3	16.20	127.8	15.45
		365.0	160.8	19.62	151.2	18.19	143.9	17.44	140.3	16.69	134.3	16.01	127.8	15.26
		730.0	160.8	18.87	151.2	17.44	143.9	16.69	140.3	16.01	134.3	15.26	127.8	14.51
		912.5	160.8	18.87	151.2	17.44	143.9	16.69	140.3	16.01	134.3	15.26	127.8	14.51
		1095.0	160.8	18.87	151.2	17.44	143.9	16.69	140.3	16.01	134.3	15.26	127.8	14.51
	35	292.0	160.8	17.44	151.2	16.86	143.9	15.26	140.3	15.45	134.3	14.68	127.8	14.02
		365.0	160.8	17.44	151.2	16.69	143.9	15.26	140.3	15.26	134.3	14.51	127.8	13.83
		730.0	160.8	17.44	151.2	16.01	143.9	15.26	140.3	14.51	134.3	13.83	127.8	13.08
		912.5	160.8	17.44	151.2	16.01	143.9	14.51	140.3	14.51	134.3	13.83	127.8	13.08
		1095.0	160.8	17.44	151.2	16.01	143.9	14.13	140.3	14.51	134.3	13.83	127.8	13.08
	40	292.0	160.8	16.01	151.2	15.45	143.9	13.83	140.3	14.02	134.3	13.27	127.8	12.33
		365.0	160.8	16.01	151.2	15.26	143.9	13.83	140.3	13.83	134.3	13.08	127.8	12.33
		730.0	160.8	16.01	151.2	14.51	143.9	13.83	140.3	13.08	134.3	12.33	127.8	12.33
		912.5	160.8	16.01	151.2	14.51	143.9	13.83	140.3	13.08	134.3	12.33	127.8	12.33
		1095.0	160.8	16.01	151.2	14.51	143.9	13.83	140.3	13.08	134.3	12.33	127.8	12.33
	45	292.0	160.8	14.51	151.2	14.02	143.9	12.33	140.3	12.50	134.3	11.84	127.8	10.71
		365.0	160.8	14.51	151.2	13.83	143.9	12.33	140.3	12.33	134.3	11.65	127.8	10.90
		730.0	160.8	14.51	151.2	13.08	143.9	12.33	140.3	11.65	134.3	10.90	127.8	11.65
		912.5	160.8	14.51	151.2	13.08	143.9	13.08	140.3	11.65	134.3	10.90	127.8	11.65
		1095.0	160.8	14.51	151.2	13.08	143.9	13.46	140.3	11.65	134.3	10.90	127.8	11.65
50	-5	292.0	53.7	17.00	50.4	16.10	47.6	15.24	46.9	14.41	46.7	13.53	45.9	12.81
		365.0	55.5	17.36	52.1	16.46	49.2	15.56	48.5	14.73	48.3	13.83	47.4	13.08
		730.0	62.6	18.79	58.8	17.89	55.7	16.84	55.0	16.01	54.8	15.03	53.7	14.13
		912.5	69.3	20.30	65.0	19.24	61.5	18.19	60.8	17.29	60.4	16.16	59.5	15.26
		1095.0	72.6	21.05	68.2	19.93	64.4	18.87	63.7	17.93	63.2	16.73	62.4	15.83
	0	292.0	95.6	24.90	88.6	23.62	82.3	22.25	80.6	21.12	79.4	19.86	76.6	18.74
		365.0	96.2	24.96	89.1	23.68	82.8	22.33	81.1	21.20	79.9	19.92	77.1	18.79
		730.0	98.4	25.18	91.1	23.90	84.8	22.63	83.1	21.50	82.0	20.15	78.8	19.02
		912.5	100.0	25.18	92.4	23.90	86.0	22.63	84.4	21.50	83.1	20.15	80.2	19.02
		1095.0	100.8	25.18	93.1	23.90	86.5	22.63	85.1	21.50	83.6	20.15	80.8	19.02
	5	292.0	132.2	27.08	125.4	25.65	119.5	24.22	116.7	23.04	111.6	21.63	106.4	20.33
		365.0	132.5	27.21	125.6	25.78	119.6	24.36	116.7	23.15	111.6	21.72	106.4	20.45
		730.0	133.6	27.74	126.5	26.31	119.8	24.88	116.7	23.60	111.6	22.10	106.4	20.90
		912.5	133.6	27.96	126.3	26.54	119.8	25.03	116.7	23.75	111.6	22.33	106.4	21.05
		1095.0	133.6	28.08	126.2	26.65	119.8	25.11	116.7	23.83	111.6	22.44	106.4	21.12

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(76HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB) 16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	292.0	133.1	24.92	125.7	23.47	119.5	22.06	116.7	21.09	111.6	19.49	106.4	18.61
		365.0	133.2	24.88	125.8	23.45	119.6	22.03	116.7	21.05	111.6	19.54	106.4	18.57
		730.0	133.6	24.73	126.5	23.38	119.8	21.88	116.7	20.90	111.6	19.77	106.4	18.42
		912.5	133.6	24.88	126.3	23.45	119.8	21.95	116.7	20.97	111.6	19.47	106.4	18.49
		1095.0	133.6	24.96	126.2	23.49	119.8	21.99	116.7	21.01	111.6	19.32	106.4	18.53
	15	292.0	133.6	22.74	126.3	21.22	119.8	19.81	116.7	19.04	111.6	17.44	106.4	16.86
		365.0	133.6	22.55	126.3	21.05	119.8	19.62	116.7	18.87	111.6	17.44	106.4	16.69
		730.0	133.6	21.80	126.3	20.37	119.8	18.87	116.7	18.19	111.6	17.44	106.4	16.01
		912.5	133.6	21.80	126.3	20.37	119.8	18.87	116.7	18.19	111.6	16.69	106.4	16.01
		1095.0	133.6	21.80	126.3	20.37	119.8	18.87	116.7	18.19	111.6	16.31	106.4	16.01
	20	292.0	133.6	19.81	126.3	18.38	119.8	17.63	116.7	16.86	111.6	16.20	106.4	14.51
		365.0	133.6	19.62	126.3	18.19	119.8	17.44	116.7	16.69	111.6	16.01	106.4	14.51
		730.0	133.6	18.87	126.3	17.44	119.8	16.69	116.7	16.01	111.6	15.26	106.4	14.51
		912.5	133.6	18.87	126.3	17.44	119.8	16.69	116.7	16.01	111.6	15.26	106.4	14.51
		1095.0	133.6	18.87	126.3	17.44	119.8	16.69	116.7	16.01	111.6	15.26	106.4	14.51
	25	292.0	133.6	17.63	126.3	16.01	119.8	15.45	116.7	14.51	111.6	13.83	106.4	13.08
		365.0	133.6	17.44	126.3	16.01	119.8	15.26	116.7	14.51	111.6	13.83	106.4	13.08
		730.0	133.6	16.69	126.3	16.01	119.8	14.51	116.7	14.51	111.6	13.83	106.4	13.08
		912.5	133.6	16.69	126.3	16.01	119.8	14.51	116.7	14.51	111.6	13.83	106.4	13.08
		1095.0	133.6	16.69	126.3	16.01	119.8	14.51	116.7	14.51	111.6	13.83	106.4	13.08
	30	292.0	133.6	16.20	126.3	14.68	119.8	14.02	116.7	13.08	111.6	13.27	106.4	12.50
		365.0	133.6	16.01	126.3	14.51	119.8	13.83	116.7	13.08	111.6	13.08	106.4	12.33
		730.0	133.6	15.26	126.3	13.83	119.8	13.08	116.7	13.08	111.6	12.33	106.4	11.65
		912.5	133.6	15.26	126.3	13.83	119.8	13.08	116.7	13.08	111.6	12.33	106.4	11.65
		1095.0	133.6	15.26	126.3	13.83	119.8	13.08	116.7	13.08	111.6	12.33	106.4	11.65
	35	292.0	133.6	14.68	126.3	13.08	119.8	12.33	116.7	12.50	111.6	11.65	106.4	10.90
		365.0	133.6	14.51	126.3	13.08	119.8	12.33	116.7	12.33	111.6	11.65	106.4	10.90
		730.0	133.6	13.83	126.3	13.08	119.8	12.33	116.7	11.65	111.6	11.65	106.4	10.90
		912.5	133.6	13.83	126.3	13.08	119.8	12.33	116.7	11.65	111.6	11.65	106.4	10.90
		1095.0	133.6	13.83	126.3	13.08	119.8	12.33	116.7	11.65	111.6	11.65	106.4	10.90
	40	292.0	133.6	13.27	126.3	12.50	119.8	11.84	116.7	10.90	111.6	11.09	106.4	10.15
		365.0	133.6	13.08	126.3	12.33	119.8	11.65	116.7	10.90	111.6	10.90	106.4	10.15
		730.0	133.6	12.33	126.3	11.65	119.8	10.90	116.7	10.90	111.6	10.15	106.4	10.15
		912.5	133.6	12.33	126.3	11.65	119.8	10.90	116.7	10.90	111.6	10.15	106.4	10.15
		1095.0	133.6	12.33	126.3	11.65	119.8	10.90	116.7	10.90	111.6	10.15	106.4	10.15
	45	292.0	133.6	11.84	126.3	12.03	119.8	11.26	116.7	9.30	111.6	10.51	106.4	9.47
		365.0	133.6	11.65	126.3	11.65	119.8	10.90	116.7	9.47	111.6	10.15	106.4	9.47
		730.0	133.6	10.90	126.3	10.15	119.8	9.47	116.7	10.15	111.6	8.72	106.4	9.47
		912.5	133.6	10.90	126.3	10.15	119.8	9.47	116.7	10.15	111.6	8.72	106.4	9.47
		1095.0	133.6	10.90	126.3	10.15	119.8	9.47	116.7	10.15	111.6	8.72	106.4	9.47

Notes:

TC: Total Capacity(kW)   PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

ARWN780LAS4

Heating Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	299.6	116.2	47.27	115.4	44.51	114.7	41.43	113.2	40.21	114.5	39.16	111.3	35.11
		374.5	120.2	48.10	119.3	45.37	118.6	42.34	117.0	41.09	118.4	40.00	115.2	35.88
		749.0	136.0	51.37	134.8	48.80	134.2	45.92	132.3	44.60	133.9	43.35	130.5	38.91
		936.3	150.4	54.63	149.0	52.14	148.1	49.50	146.3	48.18	148.1	46.77	144.2	41.95
		1123.5	157.6	56.28	156.2	53.83	155.1	51.30	153.3	49.98	155.2	48.50	151.1	43.48
	0	299.6	207.6	64.65	202.9	62.73	198.6	60.68	194.3	58.97	194.9	57.36	186.0	51.36
		374.5	208.9	64.83	204.1	62.88	199.8	60.86	195.4	59.15	196.1	57.51	187.2	51.52
		749.0	213.9	65.53	208.7	63.51	204.3	61.56	200.0	59.85	200.7	58.14	191.8	52.14
		936.3	217.1	65.53	211.9	63.51	207.5	61.56	203.0	59.85	203.6	58.14	194.5	52.14
		1123.5	218.7	65.53	213.5	63.51	209.1	61.56	204.5	59.85	205.1	58.14	195.9	52.14
	5	299.6	299.1	69.50	294.5	67.78	288.4	66.05	281.1	64.18	273.6	62.41	258.5	55.90
		374.5	300.1	69.81	295.1	68.10	288.4	66.39	281.1	64.52	273.6	62.73	258.5	56.19
		749.0	304.2	71.06	297.1	69.34	288.7	67.71	281.1	65.84	273.6	63.97	258.5	57.36
		936.3	306.0	71.52	298.0	69.81	288.7	68.18	281.1	66.31	273.6	64.44	258.5	57.75
		1123.5	307.0	71.76	298.5	70.05	288.7	68.41	281.1	66.54	273.6	64.68	258.5	57.94
	10	299.6	299.4	63.24	294.6	61.11	287.5	59.96	280.0	58.62	272.5	56.62	257.5	51.09
		374.5	301.2	63.12	296.0	61.17	288.7	60.08	281.1	58.60	273.6	56.58	258.5	51.05
		749.0	308.3	62.65	301.5	61.41	293.2	60.55	285.7	58.53	277.7	56.43	262.6	50.90
		936.3	309.9	63.51	303.5	62.26	295.1	60.78	287.1	58.76	279.5	57.36	264.2	53.31
		1123.5	310.7	63.94	304.6	62.69	296.0	60.90	287.8	58.88	280.4	57.83	265.0	54.53
	15	299.6	299.9	57.00	294.6	54.56	286.4	53.97	278.8	53.08	271.5	50.83	256.4	46.31
		374.5	302.4	56.43	296.9	54.32	288.7	53.86	281.1	52.69	273.6	50.43	258.5	45.92
		749.0	312.2	54.17	305.8	53.39	297.8	53.39	290.3	51.13	281.8	48.88	266.7	44.36
		936.3	313.8	55.49	308.8	54.63	301.5	53.39	293.2	51.13	285.7	50.28	269.9	48.88
		1123.5	314.6	56.16	310.3	55.26	303.3	53.39	294.7	51.13	287.7	50.98	271.5	51.15
	20	299.6	311.3	52.28	305.6	49.85	297.6	48.76	289.3	47.20	280.9	46.15	264.2	44.74
		374.5	313.8	51.91	308.1	49.81	299.9	48.72	291.6	47.40	283.4	46.46	266.7	44.36
		749.0	323.6	50.43	317.9	49.65	309.0	48.56	300.8	48.18	293.2	47.71	276.6	42.88
		936.3	325.0	50.43	320.2	49.65	312.7	48.88	303.8	48.18	295.5	47.71	278.8	45.61
		1123.5	325.7	50.43	321.4	49.65	314.5	49.03	305.3	48.18	296.7	47.71	280.0	46.98
	25	299.6	328.7	49.85	320.2	48.41	312.7	47.59	306.7	46.80	299.9	46.11	282.7	43.08
		374.5	328.7	49.65	320.2	48.33	312.7	47.40	306.7	46.62	299.9	45.92	282.7	42.88
		749.0	328.7	48.88	320.2	48.02	312.7	46.62	306.7	45.92	299.9	45.14	282.7	42.10
		936.3	328.7	48.18	320.2	46.77	312.7	45.92	306.7	45.14	299.9	44.36	282.7	41.40
		1123.5	328.7	47.82	320.2	46.15	312.7	45.57	306.7	44.75	299.9	43.97	282.7	41.05
	30	299.6	328.7	48.57	320.2	46.15	312.7	45.73	306.7	44.54	299.9	44.05	282.7	41.00
		374.5	328.7	48.18	320.2	46.07	312.7	45.45	306.7	44.36	299.9	43.66	282.7	40.63
		749.0	328.7	46.62	320.2	45.76	312.7	44.36	306.7	43.66	299.9	42.10	282.7	39.15
		936.3	328.7	45.92	320.2	44.52	312.7	43.66	306.7	42.88	299.9	42.10	282.7	39.15
		1123.5	328.7	45.57	320.2	43.89	312.7	43.31	306.7	42.49	299.9	42.10	282.7	39.15
	35	299.6	328.7	46.31	320.2	44.77	312.7	43.86	306.7	42.28	299.9	40.82	282.7	37.96
		374.5	328.7	45.92	320.2	44.52	312.7	43.66	306.7	42.10	299.9	40.63	282.7	37.59
		749.0	328.7	44.36	320.2	43.51	312.7	42.88	306.7	41.40	299.9	39.85	282.7	36.11
		936.3	328.7	44.36	320.2	43.04	312.7	42.10	306.7	40.63	299.9	39.15	282.7	36.11
		1123.5	328.7	44.36	320.2	42.80	312.7	41.71	306.7	40.23	299.9	38.79	282.7	36.11
	40	299.6	328.7	44.74	320.2	43.31	312.7	42.48	306.7	41.00	299.9	39.54	282.7	35.71
		374.5	328.7	44.36	320.2	43.04	312.7	42.10	306.7	40.63	299.9	39.15	282.7	35.33
		749.0	328.7	42.88	320.2	41.95	312.7	40.63	306.7	39.15	299.9	37.59	282.7	33.86
		936.3	328.7	42.10	320.2	41.25	312.7	40.63	306.7	39.15	299.9	37.59	282.7	33.86
		1123.5	328.7	41.71	320.2	40.90	312.7	40.63	306.7	39.15	299.9	37.59	282.7	33.86
	45	299.6	328.7	43.26	320.2	41.84	312.7	41.20	306.7	39.72	299.9	38.16	282.7	33.45
		374.5	328.7	42.88	320.2	41.56	312.7	40.63	306.7	39.15	299.9	37.59	282.7	33.08
		749.0	328.7	41.40	320.2	40.47	312.7	38.37	306.7	36.89	299.9	35.33	282.7	31.60
		936.3	328.7	39.85	320.2	39.46	312.7	39.15	306.7	37.59	299.9	36.11	282.7	31.60
		1123.5	328.7	39.06	320.2	38.95	312.7	39.54	306.7	37.94	299.9	36.50	282.7	31.60
120	-5	299.6	110.5	47.27	109.6	44.51	108.9	41.43	107.6	39.68	108.5	38.54	105.6	34.49
		374.5	114.3	48.10	113.4	45.37	112.7	42.34	111.3	40.55	112.2	39.38	109.3	35.26
		749.0	129.4	51.37	128.2	48.80	127.5	45.92	125.9	43.97	127.1	42.73	123.6	38.29
		936.3	142.8	54.63	141.7	52.14	140.8	49.50	139.2	47.47	140.3	46.07	136.4	41.25
		1123.5	149.6	56.28	148.5	53.83	147.5	51.30	145.9	49.24	147.0	47.76	142.9	42.74
	0	299.6	197.5	64.65	192.7	62.73	188.5	60.68	184.7	58.12	184.7	56.50	176.3	50.51
		374.5	198.6	64.83	193.8	62.88	189.7	60.86	185.8	58.29	185.8	56.66	177.4	50.67
		749.0	203.2	65.53	198.4	63.51	194.3	61.56	190.2	58.99	190.2	57.28	181.7	51.29
		936.3	206.4	65.53	201.6	63.51	197.2	61.56	193.1	58.99	192.9	57.28	184.4	51.29
		1123.5	208.0	65.53	203.2	63.51	198.7	61.56	194.6	58.99	194.3	57.28	185.8	51.29

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	299.6	284.7	69.50	280.4	67.78	274.3	66.05	267.6	63.25	259.2	61.48	245.0	55.06
		374.5	285.7	69.81	280.9	68.10	274.3	66.39	267.6	63.59	259.2	61.80	245.0	55.34
		749.0	289.8	71.06	283.0	69.34	274.3	67.71	267.6	64.91	259.2	63.04	245.0	56.43
		936.3	291.4	71.52	281.4	69.81	274.3	68.18	267.6	65.38	259.2	63.51	245.0	56.81
		1123.5	292.2	71.76	280.5	70.05	274.3	68.41	267.6	65.61	259.2	63.74	245.0	57.01
	10	299.6	285.7	62.43	280.4	60.70	273.5	59.48	266.9	57.67	258.5	55.76	244.4	50.14
		374.5	287.1	62.65	281.6	60.94	274.3	59.69	267.6	57.75	259.2	55.72	245.0	50.20
		749.0	292.3	63.51	286.2	61.87	277.2	60.55	270.6	58.06	261.9	55.57	247.5	50.43
		936.3	293.9	63.27	285.2	61.87	278.4	60.78	271.8	58.29	263.1	55.80	248.7	52.14
		1123.5	294.7	63.16	284.8	61.87	279.0	60.90	272.3	58.41	263.6	55.92	249.2	53.01
	15	299.6	286.5	55.37	280.8	53.74	272.7	52.90	266.1	52.11	257.9	50.03	243.7	45.34
		374.5	288.2	55.49	282.5	53.86	274.3	53.00	267.6	51.91	259.2	49.65	245.0	45.14
		749.0	294.8	55.96	289.4	54.32	280.4	53.39	273.6	51.13	264.4	48.18	250.3	44.36
		936.3	296.4	55.10	289.1	53.86	282.7	53.39	275.9	51.13	266.7	48.18	252.6	47.40
		1123.5	297.2	54.67	289.0	53.62	283.9	53.39	277.0	51.13	267.9	48.18	253.7	48.93
	20	299.6	294.5	49.81	289.0	47.69	280.3	46.42	272.5	45.74	263.7	45.18	249.5	42.88
		374.5	296.4	49.81	290.7	47.86	281.8	46.62	274.3	45.92	265.4	45.14	251.0	42.73
		749.0	304.0	49.81	297.6	48.56	288.0	47.40	281.1	46.62	272.0	44.98	256.9	42.10
		936.3	305.4	49.34	297.4	48.18	290.3	47.40	282.7	46.62	273.6	45.14	258.5	43.66
		1123.5	306.0	49.11	297.2	47.98	291.4	47.40	283.5	46.62	274.4	45.22	259.3	44.45
	25	299.6	308.8	47.11	299.9	44.91	290.3	44.05	284.1	43.08	276.6	42.28	261.5	39.34
		374.5	309.0	46.93	299.9	44.83	290.3	43.97	284.1	42.88	276.6	42.10	261.5	39.15
		749.0	309.7	46.23	299.9	44.52	290.3	43.66	284.1	42.10	276.6	41.40	261.5	38.37
		936.3	310.6	44.52	299.9	43.35	290.3	42.88	284.1	42.10	276.6	40.63	261.5	38.37
		1123.5	311.1	43.65	299.9	42.76	290.3	42.49	284.1	42.10	276.6	40.23	261.5	38.37
	30	299.6	310.6	45.05	299.9	42.83	290.3	41.60	284.1	40.02	276.6	39.54	261.5	36.31
		374.5	310.6	44.67	299.9	42.57	290.3	41.40	284.1	39.85	276.6	39.15	261.5	36.11
		749.0	310.6	43.19	299.9	41.56	290.3	40.63	284.1	39.15	276.6	37.59	261.5	35.33
		936.3	310.6	41.79	299.9	40.63	290.3	39.85	284.1	39.15	276.6	37.59	261.5	34.63
		1123.5	310.6	41.09	299.9	40.16	290.3	39.46	284.1	39.15	276.6	37.59	261.5	34.28
	35	299.6	310.6	43.03	299.9	40.69	290.3	39.54	284.1	37.96	276.6	36.49	261.5	33.25
		374.5	310.6	42.42	299.9	40.31	290.3	39.15	284.1	37.59	276.6	36.11	261.5	33.08
		749.0	310.6	40.00	299.9	38.84	290.3	37.59	284.1	36.11	276.6	34.63	261.5	32.38
		936.3	310.6	39.54	299.9	38.52	290.3	37.59	284.1	36.11	276.6	34.63	261.5	31.60
		1123.5	310.6	39.30	299.9	38.37	290.3	37.59	284.1	36.11	276.6	34.63	261.5	31.21
	40	299.6	310.6	41.74	299.9	38.82	290.3	37.28	284.1	35.71	276.6	34.23	261.5	31.00
		374.5	310.6	40.94	299.9	38.37	290.3	36.89	284.1	35.33	276.6	33.86	261.5	30.82
		749.0	310.6	37.75	299.9	36.58	290.3	35.33	284.1	33.86	276.6	32.38	261.5	30.12
		936.3	310.6	37.28	299.9	36.11	290.3	35.33	284.1	33.86	276.6	32.38	261.5	29.34
		1123.5	310.6	37.04	299.9	35.88	290.3	35.33	284.1	33.86	276.6	32.38	261.5	28.95
	45	299.6	310.6	40.46	299.9	36.95	290.3	35.03	284.1	33.45	276.6	31.97	261.5	28.74
		374.5	310.6	39.46	299.9	36.42	290.3	34.63	284.1	33.08	276.6	31.60	261.5	28.56
		749.0	310.6	35.49	299.9	34.32	290.3	33.08	284.1	31.60	276.6	30.12	261.5	27.86
		936.3	310.6	35.02	299.9	33.70	290.3	33.08	284.1	31.60	276.6	30.12	261.5	27.08
		1123.5	310.6	34.79	299.9	33.39	290.3	33.08	284.1	31.60	276.6	30.12	261.5	26.69
110	-5	299.6	104.5	47.89	103.8	44.51	103.2	41.43	102.1	39.68	102.4	38.54	100.1	34.49
		374.5	108.1	48.72	107.4	45.37	106.7	42.34	105.6	40.55	105.8	39.38	103.5	35.26
		749.0	122.3	51.99	121.6	48.80	120.9	45.92	119.5	43.97	119.5	42.73	117.3	38.29
		936.3	135.1	55.34	134.2	52.14	133.5	49.50	132.1	47.47	132.1	46.07	129.4	41.25
		1123.5	141.5	57.02	140.5	53.83	139.8	51.30	138.4	49.24	138.4	47.76	135.5	42.74
	0	299.6	186.8	65.53	182.7	62.73	178.8	60.68	175.4	58.12	173.8	56.50	167.2	50.51
		374.5	187.9	65.69	183.8	62.88	179.9	60.86	176.4	58.29	174.8	56.66	168.2	50.67
		749.0	192.2	66.31	188.1	63.51	184.0	61.56	180.6	58.99	179.0	57.28	172.1	51.29
		936.3	195.2	66.31	191.1	63.51	187.0	61.56	183.3	58.99	181.7	57.28	174.6	51.29
		1123.5	196.7	66.31	192.6	63.51	188.5	61.56	184.7	58.99	183.1	57.28	175.9	51.29
	5	299.6	272.4	70.43	266.0	67.78	259.8	66.05	253.9	63.25	244.1	61.48	232.2	55.06
		374.5	273.4	70.75	266.5	68.10	259.9	66.39	253.9	63.59	244.1	61.80	232.2	55.34
		749.0	277.0	71.99	268.6	69.34	260.1	67.71	253.9	64.91	244.1	63.04	232.2	56.43
		936.3	278.6	72.46	269.2	69.81	260.1	68.18	253.9	65.38	244.1	63.51	232.2	56.81
		1123.5	279.4	72.69	269.6	70.05	260.1	68.41	253.9	65.61	244.1	63.74	232.2	57.01
	10	299.6	273.5	63.16	266.7	61.00	259.5	59.67	253.5	57.67	243.7	55.76	231.9	50.14
		374.5	274.5	63.27	267.4	61.17	259.9	59.85	253.9	57.75	244.1	55.72	232.2	50.20
		749.0	278.6	63.74	270.2	61.87	261.5	60.55	255.5	58.06	245.7	55.57	233.4	50.43
		936.3	280.2	63.74	271.3	61.87	262.4	60.39	256.0	57.90	246.2	55.80	234.0	50.98
		1123.5	281.0	63.74	271.9	61.87	262.8	60.32	256.2	57.83	246.4	55.92	234.4	51.25

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	299.6	274.3	55.88	267.1	54.32	259.3	53.39	253.2	52.11	243.3	50.03	231.6	45.34
		374.5	275.4	55.80	268.1	54.32	260.1	53.39	253.9	51.91	244.1	49.65	232.2	45.14
		749.0	280.0	55.49	272.0	54.32	263.1	53.39	256.9	51.13	247.3	48.18	234.5	44.36
		936.3	281.6	55.10	273.4	53.86	264.4	52.69	257.8	50.43	248.0	48.18	235.9	45.14
		1123.5	282.4	54.91	274.0	53.62	265.1	52.34	258.3	50.08	248.3	48.18	236.6	45.53
	20	299.6	279.4	48.23	271.7	47.09	263.0	45.92	255.9	45.14	246.5	43.86	233.6	41.02
		374.5	280.9	48.33	272.7	47.09	263.8	45.92	256.9	45.14	247.3	43.66	234.5	40.94
		749.0	286.8	48.72	276.3	47.09	266.7	45.92	260.8	45.14	250.3	42.88	238.2	40.63
		936.3	288.4	48.72	278.6	47.09	268.3	45.92	261.5	44.36	251.6	42.88	238.8	40.63
		1123.5	289.2	48.72	279.8	47.09	269.1	45.92	261.8	43.97	252.3	42.88	239.2	40.63
	25	299.6	288.1	43.90	279.5	42.28	268.3	41.60	262.4	40.02	253.2	38.57	239.8	35.33
		374.5	288.7	43.82	279.5	42.10	268.3	41.40	262.4	39.85	253.2	38.37	239.8	35.33
		749.0	291.0	43.51	279.5	41.40	268.3	40.63	262.4	39.15	253.2	37.59	239.8	35.33
		936.3	292.3	43.51	279.5	41.56	268.3	39.85	262.4	39.15	253.2	36.89	239.8	34.63
		1123.5	293.0	43.51	279.5	41.64	268.3	39.46	262.4	39.15	253.2	36.54	239.8	34.28
	30	299.6	292.3	40.02	279.5	38.57	268.3	37.09	262.4	36.31	253.2	34.05	239.8	31.79
		374.5	292.3	39.85	279.5	38.37	268.3	36.89	262.4	36.11	253.2	33.86	239.8	31.60
		749.0	292.3	39.15	279.5	37.59	268.3	36.11	262.4	35.33	253.2	33.08	239.8	30.82
		936.3	292.3	38.84	279.5	36.89	268.3	35.33	262.4	34.63	253.2	33.08	239.8	30.82
		1123.5	292.3	38.68	279.5	36.54	268.3	34.94	262.4	34.28	253.2	33.08	239.8	30.82
	35	299.6	292.3	37.96	279.5	35.51	268.3	34.05	262.4	32.57	253.2	31.00	239.8	28.74
		374.5	292.3	37.59	279.5	35.33	268.3	33.86	262.4	32.38	253.2	30.82	239.8	28.56
		749.0	292.3	36.11	279.5	34.63	268.3	33.08	262.4	31.60	253.2	30.12	239.8	27.86
		936.3	292.3	35.18	279.5	33.86	268.3	32.38	262.4	31.60	253.2	30.12	239.8	27.86
		1123.5	292.3	34.71	279.5	33.46	268.3	32.02	262.4	31.60	253.2	30.12	239.8	27.86
	40	299.6	292.3	35.71	279.5	34.23	268.3	31.97	262.4	30.32	253.2	28.74	239.8	26.48
		374.5	292.3	35.33	279.5	33.86	268.3	31.60	262.4	30.12	253.2	28.56	239.8	26.31
		749.0	292.3	33.86	279.5	32.38	268.3	30.12	262.4	29.34	253.2	27.86	239.8	25.61
		936.3	292.3	33.39	279.5	31.60	268.3	30.12	262.4	28.56	253.2	27.08	239.8	24.83
		1123.5	292.3	33.15	279.5	31.21	268.3	30.12	262.4	28.17	253.2	26.69	239.8	24.43
	45	299.6	292.3	33.45	279.5	32.95	268.3	29.91	262.4	28.06	253.2	26.48	239.8	24.23
		374.5	292.3	33.08	279.5	32.38	268.3	29.34	262.4	27.86	253.2	26.31	239.8	24.05
		749.0	292.3	31.60	279.5	30.12	268.3	27.08	262.4	27.08	253.2	25.61	239.8	23.35
		936.3	292.3	31.60	279.5	29.34	268.3	27.86	262.4	25.61	253.2	24.05	239.8	21.79
		1123.5	292.3	31.60	279.5	28.95	268.3	28.25	262.4	24.86	253.2	23.26	239.8	21.01
100	-5	299.6	98.8	47.89	98.1	45.13	97.7	41.43	96.8	39.68	95.9	37.91	94.1	34.49
		374.5	102.2	48.72	101.5	46.00	101.0	42.34	100.1	40.55	99.2	38.76	97.4	35.26
		749.0	115.7	51.99	115.0	49.42	114.3	45.92	113.1	43.97	112.2	42.10	110.4	38.29
		936.3	127.8	55.34	126.8	52.84	126.2	49.50	125.0	47.47	124.1	45.37	121.8	41.25
		1123.5	133.9	57.02	132.8	54.57	132.2	51.30	131.0	49.24	130.1	47.02	127.6	42.74
	0	299.6	176.6	65.53	172.7	63.58	169.1	60.68	166.1	58.12	163.1	55.65	157.5	50.51
		374.5	177.6	65.69	173.7	63.74	170.0	60.86	167.1	58.29	164.1	55.80	158.4	50.67
		749.0	181.7	66.31	177.8	64.36	173.9	61.56	171.0	58.99	168.0	56.43	162.0	51.29
		936.3	184.4	66.31	180.6	64.36	176.7	61.56	173.5	58.99	170.5	56.43	164.6	51.29
		1123.5	185.8	66.31	181.9	64.36	178.1	61.56	174.7	58.99	171.8	56.43	165.8	51.29
	5	299.6	260.5	70.43	251.9	68.72	245.4	66.05	240.4	63.25	229.0	60.55	218.5	55.06
		374.5	261.5	70.75	252.3	69.03	245.5	66.39	240.4	63.59	229.0	60.86	218.5	55.34
		749.0	265.1	71.99	254.2	70.28	245.7	67.71	240.4	64.91	229.0	62.11	218.5	56.43
		936.3	266.7	72.46	254.8	70.75	245.7	68.18	240.4	65.38	229.0	62.50	218.5	56.81
		1123.5	267.5	72.69	255.2	70.98	245.7	68.41	240.4	65.61	229.0	62.69	218.5	57.01
	10	299.6	262.0	62.98	252.7	61.60	245.7	59.67	240.4	57.67	229.0	54.81	218.5	50.14
		374.5	262.6	63.27	253.0	61.80	245.7	59.85	240.4	57.75	229.0	54.87	218.5	50.20
		749.0	265.1	64.44	254.4	62.57	245.7	60.55	240.4	58.06	229.0	55.10	218.5	50.43
		936.3	267.0	64.21	255.5	62.57	245.7	60.39	240.4	57.90	229.0	54.95	218.5	50.20
		1123.5	267.9	64.09	256.1	62.57	245.7	60.32	240.4	57.83	229.0	54.87	218.5	50.08
	15	299.6	263.4	55.53	253.8	54.60	245.7	53.39	240.4	52.11	229.0	49.05	218.5	45.34
		374.5	263.8	55.80	253.9	54.63	245.7	53.39	240.4	51.91	229.0	48.88	218.5	45.14
		749.0	265.1	56.89	254.6	54.79	245.7	53.39	240.4	51.13	229.0	48.18	218.5	44.36
		936.3	267.4	55.96	256.0	54.32	245.7	52.69	240.4	50.43	229.0	47.40	218.5	43.66
		1123.5	268.6	55.49	256.7	54.09	245.7	52.34	240.4	50.08	229.0	47.00	218.5	43.31
	20	299.6	264.8	47.49	255.1	46.27	245.7	45.14	240.4	44.54	229.0	41.60	218.5	39.54
		374.5	265.8	47.71	255.3	46.31	245.7	45.14	240.4	44.36	229.0	41.40	218.5	39.15
		749.0	269.7	48.56	256.0	46.46	245.7	45.14	240.4	43.66	229.0	40.63	218.5	37.59
		936.3	271.3	47.71	258.3	46.07	245.7	44.36	240.4	42.88	229.0	39.85	218.5	36.89
		1123.5	272.1	47.28	259.4	45.88	245.7	43.97	240.4	42.49	229.0	39.46	218.5	36.54

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	299.6	268.0	41.52	259.2	40.22	245.7	38.57	240.4	37.09	229.0	34.83	218.5	31.60
		374.5	269.0	41.56	259.2	40.00	245.7	38.37	240.4	36.89	229.0	34.63	218.5	31.60
		749.0	272.9	41.72	259.2	39.15	245.7	37.59	240.4	36.11	229.0	33.86	218.5	31.60
		936.3	274.3	40.78	259.2	38.84	245.7	36.89	240.4	35.33	229.0	33.86	218.5	30.82
		1123.5	275.0	40.31	259.2	38.68	245.7	36.54	240.4	34.94	229.0	33.86	218.5	30.43
	30	299.6	274.3	37.77	259.2	34.83	245.7	32.45	240.4	31.79	229.0	29.34	218.5	28.06
		374.5	274.3	37.59	259.2	34.63	245.7	32.38	240.4	31.60	229.0	29.34	218.5	27.86
		749.0	274.3	36.89	259.2	33.86	245.7	32.06	240.4	30.82	229.0	29.34	218.5	27.08
		936.3	274.3	36.11	259.2	33.86	245.7	31.60	240.4	30.82	229.0	28.56	218.5	27.08
		1123.5	274.3	35.72	259.2	33.86	245.7	31.36	240.4	30.82	229.0	28.17	218.5	27.08
	35	299.6	274.3	35.03	259.2	31.97	245.7	28.64	240.4	28.06	229.0	26.48	218.5	24.23
		374.5	274.3	34.63	259.2	31.60	245.7	28.56	240.4	27.86	229.0	26.31	218.5	24.05
		749.0	274.3	33.08	259.2	30.12	245.7	28.25	240.4	27.08	229.0	25.61	218.5	23.35
		936.3	274.3	33.08	259.2	30.12	245.7	27.86	240.4	27.08	229.0	25.61	218.5	23.35
		1123.5	274.3	33.08	259.2	30.12	245.7	27.67	240.4	27.08	229.0	25.61	218.5	23.35
	40	299.6	274.3	32.77	259.2	29.71	245.7	25.68	240.4	25.02	229.0	23.54	218.5	21.97
		374.5	274.3	32.38	259.2	29.34	245.7	25.61	240.4	24.83	229.0	23.35	218.5	21.79
		749.0	274.3	30.82	259.2	27.86	245.7	25.29	240.4	24.05	229.0	22.57	218.5	21.09
		936.3	274.3	30.12	259.2	27.86	245.7	24.83	240.4	24.05	229.0	22.57	218.5	21.09
		1123.5	274.3	29.77	259.2	27.86	245.7	24.59	240.4	24.05	229.0	22.57	218.5	21.09
	45	299.6	274.3	30.51	259.2	27.46	245.7	22.65	240.4	21.97	229.0	20.51	218.5	19.71
		374.5	274.3	30.12	259.2	27.08	245.7	22.57	240.4	21.79	229.0	20.31	218.5	19.53
		749.0	274.3	28.56	259.2	25.61	245.7	22.26	240.4	21.09	229.0	19.53	218.5	18.83
		936.3	274.3	27.08	259.2	25.61	245.7	21.79	240.4	21.09	229.0	19.53	218.5	18.83
		1123.5	274.3	26.34	259.2	25.61	245.7	21.56	240.4	21.09	229.0	19.53	218.5	18.83
90	-5	299.6	93.2	44.45	90.4	40.48	87.7	35.56	87.0	33.89	86.4	32.66	84.9	29.31
		374.5	96.5	45.22	93.5	41.25	90.7	36.35	90.1	34.63	89.4	33.39	87.8	29.96
		749.0	109.3	48.25	105.8	44.28	102.6	39.46	101.9	37.59	101.3	36.27	99.2	32.53
		936.3	120.7	51.29	116.8	47.40	113.4	42.57	112.5	40.55	111.8	39.07	109.7	35.10
		1123.5	126.4	52.82	122.3	48.97	118.8	44.14	117.7	42.04	117.1	40.48	115.0	36.39
	0	299.6	166.8	60.55	159.1	56.81	151.8	52.16	149.5	49.75	147.0	47.88	141.5	43.00
		374.5	167.8	60.71	160.0	56.97	152.7	52.30	150.4	49.89	147.9	48.02	142.4	43.12
		749.0	171.6	61.33	163.6	57.59	156.3	52.84	153.8	50.43	151.3	48.56	145.8	43.58
		936.3	174.2	61.33	166.2	57.59	158.8	52.84	156.1	50.43	153.8	48.56	148.1	43.58
		1123.5	175.4	61.33	167.4	57.59	160.1	52.84	157.3	50.43	155.1	48.56	149.3	43.58
	5	299.6	235.6	65.00	228.0	61.34	220.8	56.77	216.2	54.13	206.6	52.10	196.8	46.77
		374.5	235.9	65.30	227.9	61.64	220.8	57.05	216.2	54.40	206.6	52.38	196.8	47.01
		749.0	236.8	66.46	227.2	62.81	220.8	58.14	216.2	55.49	206.6	53.47	196.8	47.94
		936.3	238.2	66.85	227.9	63.20	220.8	58.60	216.2	55.88	206.6	53.86	196.8	48.33
		1123.5	238.8	67.05	228.2	63.39	220.8	58.84	216.2	56.08	206.6	54.05	196.8	48.53
	10	299.6	236.9	57.40	228.8	54.58	220.8	51.39	216.2	49.28	206.6	47.28	196.8	42.61
		374.5	236.8	57.44	228.6	54.63	220.8	51.44	216.2	49.34	206.6	47.24	196.8	42.65
		749.0	236.3	57.59	227.4	54.87	220.8	51.68	216.2	49.58	206.6	47.09	196.8	42.81
		936.3	237.9	57.44	228.1	54.71	220.8	51.52	216.2	49.42	206.6	47.24	196.8	42.96
		1123.5	238.7	57.36	228.4	54.63	220.8	51.44	216.2	49.34	206.6	47.32	196.8	43.04
	15	299.6	238.1	49.69	229.6	47.90	220.8	46.11	216.2	44.54	206.6	42.48	196.8	38.57
		374.5	237.7	49.50	229.2	47.71	220.8	45.92	216.2	44.36	206.6	42.10	196.8	38.37
		749.0	236.1	48.72	227.6	46.93	220.8	45.14	216.2	43.66	206.6	40.63	196.8	37.59
		936.3	237.7	48.02	228.3	46.23	220.8	44.36	216.2	42.88	206.6	40.63	196.8	37.59
		1123.5	238.5	47.67	228.7	45.88	220.8	43.97	216.2	42.49	206.6	40.63	196.8	37.59
	20	299.6	239.5	41.95	230.6	40.74	220.8	39.34	216.2	37.77	206.6	36.49	196.8	34.23
		374.5	239.3	41.95	230.2	40.63	220.8	39.15	216.2	37.59	206.6	36.11	196.8	33.86
		749.0	238.4	41.95	228.3	40.16	220.8	38.37	216.2	36.89	206.6	34.63	196.8	32.38
		936.3	239.1	41.25	229.0	39.85	220.8	38.37	216.2	36.89	206.6	34.63	196.8	32.38
		1123.5	239.4	40.90	229.4	39.69	220.8	38.37	216.2	36.89	206.6	34.63	196.8	32.38
	25	299.6	243.5	36.66	233.6	34.71	220.8	33.25	216.2	31.60	206.6	30.32	196.8	28.06
		374.5	244.1	36.58	233.6	34.63	220.8	33.08	216.2	31.60	206.6	30.12	196.8	27.86
		749.0	246.4	36.27	233.6	34.32	220.8	32.38	216.2	31.60	206.6	29.34	196.8	27.08
		936.3	247.3	35.33	233.6	33.54	220.8	32.38	216.2	30.82	206.6	29.34	196.8	27.08
		1123.5	247.8	34.86	233.6	33.15	220.8	32.38	216.2	30.43	206.6	29.34	196.8	27.08
	30	299.6	247.3	33.25	233.6	31.00	220.8	28.74	216.2	28.06	206.6	26.48	196.8	24.05
		374.5	247.3	33.08	233.6	30.82	220.8	28.56	216.2	27.86	206.6	26.31	196.8	24.05
		749.0	247.3	32.38	233.6	30.12	220.8	27.86	216.2	27.08	206.6	25.61	196.8	24.05
		936.3	247.3	31.60	233.6	29.34	220.8	27.86	216.2	27.08	206.6	25.61	196.8	23.35
		1123.5	247.3	31.21	233.6	28.95	220.8	27.86	216.2	27.08	206.6	25.61	196.8	23.00

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	299.6	247.3	30.32	233.6	28.06	220.8	25.80	216.2	25.02	206.6	23.54	196.8	21.97
		374.5	247.3	30.12	233.6	27.86	220.8	25.61	216.2	24.83	206.6	23.35	196.8	21.79
		749.0	247.3	29.34	233.6	27.08	220.8	24.83	216.2	24.05	206.6	22.57	196.8	21.09
		936.3	247.3	28.56	233.6	26.31	220.8	24.05	216.2	23.35	206.6	22.57	196.8	21.09
		1123.5	247.3	28.17	233.6	25.91	220.8	23.66	216.2	23.00	206.6	22.57	196.8	21.09
	40	299.6	247.3	28.26	233.6	25.80	220.8	22.77	216.2	21.97	206.6	21.29	196.8	19.71
		374.5	247.3	27.86	233.6	25.61	220.8	22.57	216.2	21.79	206.6	21.09	196.8	19.53
		749.0	247.3	26.31	233.6	24.83	220.8	21.79	216.2	21.09	206.6	20.31	196.8	18.83
		936.3	247.3	26.31	233.6	24.83	220.8	21.79	216.2	21.09	206.6	20.31	196.8	18.83
		1123.5	247.3	26.31	233.6	24.83	220.8	21.79	216.2	21.09	206.6	20.31	196.8	18.83
	45	299.6	247.3	26.18	233.6	23.54	220.8	19.71	216.2	19.03	206.6	19.03	196.8	17.45
		374.5	247.3	25.61	233.6	23.35	220.8	19.53	216.2	18.83	206.6	18.83	196.8	17.28
		749.0	247.3	23.35	233.6	22.57	220.8	18.83	216.2	18.06	206.6	18.06	196.8	16.58
		936.3	247.3	24.05	233.6	23.35	220.8	19.53	216.2	18.83	206.6	18.06	196.8	16.58
		1123.5	247.3	24.40	233.6	23.74	220.8	19.89	216.2	19.23	206.6	18.06	196.8	16.58
80	-5	299.6	88.2	31.67	82.7	30.46	78.3	29.18	77.3	28.19	76.9	26.88	75.3	24.76
		374.5	91.2	32.38	85.5	31.13	80.9	29.81	80.0	28.80	79.5	27.47	77.9	25.29
		749.0	103.1	35.18	96.7	33.78	91.4	32.30	90.5	31.21	90.1	29.81	88.2	27.40
		936.3	114.1	37.90	106.7	36.42	101.0	34.87	99.9	33.70	99.4	32.14	97.4	29.57
		1123.5	119.6	39.27	111.8	37.76	105.9	36.16	104.6	34.95	104.1	33.32	102.0	30.67
	0	299.6	157.4	46.48	145.2	44.61	135.2	42.77	132.7	41.29	130.8	39.34	125.9	36.25
		374.5	158.4	46.62	146.0	44.75	136.0	42.88	133.5	41.40	131.6	39.46	126.6	36.35
		749.0	162.3	47.16	149.5	45.30	139.2	43.35	136.7	41.87	134.8	39.93	129.6	36.73
		936.3	164.6	47.16	151.8	45.30	141.5	43.35	138.7	41.87	136.9	39.93	131.6	36.73
		1123.5	165.7	47.16	152.9	45.30	142.6	43.35	139.8	41.87	137.9	39.93	132.7	36.73
	5	299.6	217.8	50.55	205.5	48.64	196.5	46.44	192.2	44.90	184.0	42.82	174.8	39.40
		374.5	218.3	50.82	205.9	48.88	196.6	46.70	192.2	45.14	184.0	43.04	174.8	39.61
		749.0	220.1	51.91	207.5	49.81	196.8	47.71	192.2	46.07	184.0	43.89	174.8	40.47
		936.3	220.1	52.22	207.3	50.20	196.8	48.02	192.2	46.39	184.0	44.21	174.8	40.70
		1123.5	220.1	52.38	207.2	50.39	196.8	48.18	192.2	46.54	184.0	44.36	174.8	40.82
	10	299.6	219.0	46.52	206.4	44.42	196.5	42.16	192.2	41.00	184.0	38.82	174.8	35.94
		374.5	219.2	46.46	206.6	44.36	196.6	42.18	192.2	41.02	184.0	38.84	174.8	35.96
		749.0	220.1	46.23	207.5	44.13	196.8	42.26	192.2	41.09	184.0	38.91	174.8	36.03
		936.3	220.1	46.07	207.3	44.28	196.8	42.42	192.2	40.86	184.0	38.68	174.8	35.80
		1123.5	220.1	46.00	207.2	44.36	196.8	42.49	192.2	40.74	184.0	38.56	174.8	35.68
	15	299.6	220.1	42.48	207.3	40.22	196.8	37.77	192.2	37.09	184.0	34.83	174.8	32.57
		374.5	220.1	42.10	207.3	39.85	196.8	37.59	192.2	36.89	184.0	34.63	174.8	32.38
		749.0	220.1	40.63	207.3	38.37	196.8	36.89	192.2	36.11	184.0	33.86	174.8	31.60
		936.3	220.1	39.85	207.3	38.37	196.8	36.89	192.2	35.33	184.0	33.08	174.8	30.82
		1123.5	220.1	39.46	207.3	38.37	196.8	36.89	192.2	34.94	184.0	32.68	174.8	30.43
	20	299.6	220.1	35.51	207.3	34.05	196.8	32.38	192.2	31.79	184.0	30.32	174.8	28.06
		374.5	220.1	35.33	207.3	33.86	196.8	32.38	192.2	31.60	184.0	30.12	174.8	27.86
		749.0	220.1	34.63	207.3	33.08	196.8	32.38	192.2	30.82	184.0	29.34	174.8	27.08
		936.3	220.1	33.86	207.3	32.38	196.8	31.60	192.2	30.82	184.0	28.56	174.8	27.08
		1123.5	220.1	33.46	207.3	32.02	196.8	31.21	192.2	30.82	184.0	28.17	174.8	27.08
	25	299.6	220.1	31.79	207.3	29.54	196.8	27.86	192.2	27.28	184.0	25.80	174.8	24.23
		374.5	220.1	31.60	207.3	29.34	196.8	27.86	192.2	27.08	184.0	25.61	174.8	24.05
		749.0	220.1	30.82	207.3	28.56	196.8	27.86	192.2	26.31	184.0	24.83	174.8	23.35
		936.3	220.1	30.12	207.3	28.56	196.8	27.08	192.2	26.31	184.0	24.83	174.8	23.35
		1123.5	220.1	29.77	207.3	28.56	196.8	26.69	192.2	26.31	184.0	24.83	174.8	23.35
	30	299.6	220.1	28.06	207.3	26.48	196.8	25.02	192.2	24.23	184.0	22.77	174.8	21.29
		374.5	220.1	27.86	207.3	26.31	196.8	24.83	192.2	24.05	184.0	22.57	174.8	21.09
		749.0	220.1	27.08	207.3	25.61	196.8	24.05	192.2	23.35	184.0	21.79	174.8	20.31
		936.3	220.1	27.08	207.3	25.61	196.8	24.05	192.2	23.35	184.0	21.79	174.8	20.31
		1123.5	220.1	27.08	207.3	25.61	196.8	24.05	192.2	23.35	184.0	21.79	174.8	20.31
	35	299.6	220.1	25.80	207.3	24.23	196.8	21.97	192.2	21.09	184.0	20.51	174.8	18.83
		374.5	220.1	25.61	207.3	24.05	196.8	21.79	192.2	21.09	184.0	20.31	174.8	18.83
		749.0	220.1	24.83	207.3	23.35	196.8	21.09	192.2	21.09	184.0	19.53	174.8	18.83
		936.3	220.1	24.83	207.3	22.57	196.8	21.09	192.2	20.31	184.0	19.53	174.8	18.06
		1123.5	220.1	24.83	207.3	22.18	196.8	21.09	192.2	19.92	184.0	19.53	174.8	17.66
	40	299.6	220.1	24.42	207.3	21.97	196.8	19.53	192.2	19.71	184.0	18.06	174.8	17.45
		374.5	220.1	24.05	207.3	21.79	196.8	19.53	192.2	19.53	184.0	18.06	174.8	17.28
		749.0	220.1	22.57	207.3	21.09	196.8	19.53	192.2	18.83	184.0	18.06	174.8	16.58
		936.3	220.1	22.57	207.3	21.09	196.8	18.83	192.2	18.83	184.0	18.06	174.8	16.58
		1123.5	220.1	22.57	207.3	21.09	196.8	18.48	192.2	18.83	184.0	18.06	174.8	16.58

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	299.6	220.1	23.14	207.3	19.71	196.8	17.08	192.2	18.43	184.0	15.60	174.8	16.17
		374.5	220.1	22.57	207.3	19.53	196.8	17.28	192.2	18.06	184.0	15.80	174.8	15.80
		749.0	220.1	20.31	207.3	18.83	196.8	18.06	192.2	16.58	184.0	16.58	174.8	14.32
		936.3	220.1	20.31	207.3	19.53	196.8	16.58	192.2	17.28	184.0	16.58	174.8	15.02
		1123.5	220.1	20.31	207.3	19.89	196.8	15.83	192.2	17.63	184.0	16.58	174.8	15.37
70	-5	299.6	76.9	27.19	72.3	25.89	68.3	25.05	67.6	23.62	67.2	22.78	66.1	20.72
		374.5	79.5	27.78	74.7	26.46	70.6	25.61	69.9	24.13	69.5	23.27	68.3	21.17
		749.0	90.1	30.12	84.6	28.72	79.8	27.78	79.1	26.15	78.6	25.22	77.3	22.96
		936.3	99.7	32.53	93.5	30.98	88.2	29.96	87.5	28.17	86.9	27.24	85.3	24.75
		1123.5	104.5	33.75	98.0	32.11	92.5	31.06	91.8	29.19	91.0	28.26	89.3	25.65
	0	299.6	137.7	39.81	127.2	37.96	118.2	36.69	116.1	34.53	114.3	33.37	110.2	30.35
		374.5	138.5	39.93	128.0	38.06	118.9	36.81	116.8	34.63	115.0	33.47	110.9	30.43
		749.0	141.7	40.39	131.0	38.45	121.6	37.28	119.5	35.02	117.7	33.86	113.4	30.74
		936.3	143.8	40.39	133.0	38.45	123.4	37.28	121.4	35.02	119.5	33.86	115.2	30.74
		1123.5	144.8	40.39	134.1	38.45	124.3	37.28	122.3	35.02	120.5	33.86	116.1	30.74
	5	299.6	190.2	43.37	180.2	41.27	171.6	39.94	168.0	37.65	160.4	36.30	152.9	32.98
		374.5	190.6	43.58	180.6	41.48	171.6	40.16	168.0	37.82	160.4	36.50	152.9	33.15
		749.0	192.2	44.44	181.9	42.34	171.9	41.02	168.0	38.52	160.4	37.28	152.9	33.86
		936.3	192.2	44.75	181.7	42.65	171.9	41.33	168.0	38.84	160.4	37.51	152.9	34.09
		1123.5	192.2	44.91	181.6	42.81	171.9	41.48	168.0	38.99	160.4	37.63	152.9	34.21
	10	299.6	191.1	39.93	180.8	37.75	171.9	36.35	168.0	34.32	160.4	32.92	152.9	30.12
		374.5	191.3	39.85	181.0	37.67	171.9	36.27	168.0	34.32	160.4	32.92	152.9	30.12
		749.0	192.2	39.54	181.7	37.36	171.9	35.96	168.0	34.32	160.4	32.92	152.9	30.12
		936.3	192.2	39.69	181.7	37.51	171.9	36.11	168.0	34.48	160.4	32.69	152.9	30.20
		1123.5	192.2	39.77	181.7	37.59	171.9	36.19	168.0	34.56	160.4	32.57	152.9	30.24
	15	299.6	192.2	36.49	181.7	34.23	171.9	32.77	168.0	31.00	160.4	29.54	152.9	27.28
		374.5	192.2	36.11	181.7	33.86	171.9	32.38	168.0	30.82	160.4	29.34	152.9	27.08
		749.0	192.2	34.63	181.7	32.38	171.9	30.82	168.0	30.12	160.4	28.56	152.9	26.31
		936.3	192.2	34.63	181.7	32.38	171.9	30.82	168.0	30.12	160.4	27.86	152.9	26.31
		1123.5	192.2	34.63	181.7	32.38	171.9	30.82	168.0	30.12	160.4	27.51	152.9	26.31
	20	299.6	192.2	30.32	181.7	28.74	171.9	28.06	168.0	27.28	160.4	25.80	152.9	24.23
		374.5	192.2	30.12	181.7	28.56	171.9	27.86	168.0	27.08	160.4	25.61	152.9	24.05
		749.0	192.2	29.34	181.7	27.86	171.9	27.08	168.0	26.31	160.4	24.83	152.9	23.35
		936.3	192.2	29.34	181.7	27.86	171.9	27.08	168.0	25.61	160.4	24.83	152.9	22.57
		1123.5	192.2	29.34	181.7	27.86	171.9	27.08	168.0	25.25	160.4	24.83	152.9	22.18
	25	299.6	192.2	27.28	181.7	25.80	171.9	24.23	168.0	23.54	160.4	21.79	152.9	20.31
		374.5	192.2	27.08	181.7	25.61	171.9	24.05	168.0	23.35	160.4	21.79	152.9	20.31
		749.0	192.2	26.31	181.7	24.83	171.9	23.35	168.0	22.57	160.4	21.79	152.9	20.31
		936.3	192.2	25.61	181.7	24.05	171.9	23.35	168.0	22.57	160.4	21.09	152.9	20.31
		1123.5	192.2	25.25	181.7	23.66	171.9	23.35	168.0	22.57	160.4	20.74	152.9	20.31
	30	299.6	192.2	24.23	181.7	22.77	171.9	21.29	168.0	20.31	160.4	19.71	152.9	18.06
		374.5	192.2	24.05	181.7	22.57	171.9	21.09	168.0	20.31	160.4	19.53	152.9	18.06
		749.0	192.2	23.35	181.7	21.79	171.9	20.31	168.0	20.31	160.4	18.83	152.9	18.06
		936.3	192.2	23.35	181.7	21.79	171.9	20.31	168.0	19.53	160.4	18.83	152.9	18.06
		1123.5	192.2	23.35	181.7	21.79	171.9	20.31	168.0	19.14	160.4	18.83	152.9	18.06
	35	299.6	192.2	21.97	181.7	20.51	171.9	18.83	168.0	19.03	160.4	17.28	152.9	16.77
		374.5	192.2	21.79	181.7	20.31	171.9	18.83	168.0	18.83	160.4	17.28	152.9	16.58
		749.0	192.2	21.09	181.7	19.53	171.9	18.83	168.0	18.06	160.4	17.28	152.9	15.80
		936.3	192.2	21.09	181.7	19.53	171.9	18.06	168.0	18.06	160.4	17.28	152.9	15.80
		1123.5	192.2	21.09	181.7	19.53	171.9	17.66	168.0	18.06	160.4	17.28	152.9	15.80
	40	299.6	192.2	20.51	181.7	19.03	171.9	17.45	168.0	16.58	160.4	15.80	152.9	15.20
		374.5	192.2	20.31	181.7	18.83	171.9	17.28	168.0	16.58	160.4	15.80	152.9	15.02
		749.0	192.2	19.53	181.7	18.06	171.9	16.58	168.0	16.58	160.4	15.80	152.9	14.32
		936.3	192.2	19.53	181.7	18.06	171.9	16.58	168.0	15.80	160.4	15.02	152.9	14.32
		1123.5	192.2	19.53	181.7	18.06	171.9	16.58	168.0	15.41	160.4	14.63	152.9	14.32
	45	299.6	192.2	19.03	181.7	17.45	171.9	16.17	168.0	14.14	160.4	14.32	152.9	13.74
		374.5	192.2	18.83	181.7	17.28	171.9	15.80	168.0	14.32	160.4	14.32	152.9	13.54
		749.0	192.2	18.06	181.7	16.58	171.9	14.32	168.0	15.02	160.4	14.32	152.9	12.76
		936.3	192.2	18.06	181.7	16.58	171.9	15.02	168.0	13.54	160.4	12.76	152.9	12.76
		1123.5	192.2	18.06	181.7	16.58	171.9	15.37	168.0	12.80	160.4	11.98	152.9	12.76
60	-5	299.6	66.0	22.08	61.9	21.24	58.5	20.41	57.9	18.97	57.6	18.65	56.5	16.67
		374.5	68.3	22.57	64.0	21.71	60.6	20.86	59.9	19.38	59.7	19.07	58.5	17.04
		749.0	77.5	24.52	72.5	23.58	68.6	22.65	67.9	21.01	67.7	20.70	66.3	18.52
		936.3	85.5	26.38	80.0	25.45	75.9	24.44	75.0	22.73	74.7	22.34	73.1	19.92
		1123.5	89.5	27.32	83.8	26.39	79.6	25.34	78.5	23.59	78.3	23.16	76.6	20.63

Notes:

TC: Total Capacity(kW)　　PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	299.6	118.2	32.36	108.8	31.21	101.5	29.87	99.5	27.78	98.2	27.39	94.6	24.46
		374.5	118.9	32.45	109.5	31.29	102.2	29.96	100.1	27.86	98.7	27.47	95.1	24.52
		749.0	121.6	32.84	112.0	31.60	104.7	30.35	102.4	28.17	101.0	27.78	97.1	24.75
		936.3	123.4	32.84	113.8	31.60	106.3	30.35	104.0	28.17	102.6	27.78	98.7	24.75
		1123.5	124.3	32.84	114.7	31.60	107.1	30.35	104.8	28.17	103.4	27.78	99.5	24.75
	5	299.6	163.3	35.23	154.0	33.91	147.6	32.51	144.0	30.27	137.8	29.81	131.2	26.56
		374.5	163.6	35.41	154.3	34.09	147.6	32.69	144.0	30.43	137.8	29.96	131.2	26.69
		749.0	165.0	36.11	155.4	34.79	147.6	33.39	144.0	31.05	137.8	30.59	131.2	27.24
		936.3	165.0	36.42	155.2	35.02	147.6	33.62	144.0	31.29	137.8	30.74	131.2	27.47
		1123.5	165.0	36.58	155.1	35.14	147.6	33.74	144.0	31.40	137.8	30.82	131.2	27.59
	10	299.6	164.2	32.38	154.6	30.98	147.6	29.50	144.0	27.55	137.8	27.03	131.2	24.22
		374.5	164.3	32.38	154.7	30.98	147.6	29.50	144.0	27.63	137.8	27.01	131.2	24.28
		749.0	165.0	32.38	155.4	30.98	147.6	29.50	144.0	27.94	137.8	26.93	131.2	24.52
		936.3	165.0	32.45	155.2	30.66	147.6	29.19	144.0	27.63	137.8	26.69	131.2	24.28
		1123.5	165.0	32.49	155.1	30.51	147.6	29.03	144.0	27.47	137.8	26.58	131.2	24.16
	15	299.6	165.0	29.54	155.2	28.06	147.6	26.48	144.0	24.83	137.8	24.23	131.2	21.79
		374.5	165.0	29.34	155.2	27.86	147.6	26.31	144.0	24.83	137.8	24.05	131.2	21.79
		749.0	165.0	28.56	155.2	27.08	147.6	25.61	144.0	24.83	137.8	23.35	131.2	21.79
		936.3	165.0	28.56	155.2	26.31	147.6	24.83	144.0	24.05	137.8	22.57	131.2	21.09
		1123.5	165.0	28.56	155.2	25.91	147.6	24.43	144.0	23.66	137.8	22.18	131.2	20.74
	20	299.6	165.0	25.80	155.2	24.23	147.6	22.77	144.0	21.97	137.8	21.29	131.2	19.71
		374.5	165.0	25.61	155.2	24.05	147.6	22.57	144.0	21.79	137.8	21.09	131.2	19.53
		749.0	165.0	24.83	155.2	23.35	147.6	21.79	144.0	21.09	137.8	20.31	131.2	18.83
		936.3	165.0	24.83	155.2	23.35	147.6	21.79	144.0	21.09	137.8	20.31	131.2	18.83
		1123.5	165.0	24.83	155.2	23.35	147.6	21.79	144.0	21.09	137.8	20.31	131.2	18.83
	25	299.6	165.0	22.77	155.2	21.29	147.6	19.53	144.0	19.71	137.8	18.06	131.2	17.45
		374.5	165.0	22.57	155.2	21.09	147.6	19.53	144.0	19.53	137.8	18.06	131.2	17.28
		749.0	165.0	21.79	155.2	20.31	147.6	19.53	144.0	18.83	137.8	18.06	131.2	16.58
		936.3	165.0	21.79	155.2	20.31	147.6	18.83	144.0	18.83	137.8	18.06	131.2	16.58
		1123.5	165.0	21.79	155.2	20.31	147.6	18.48	144.0	18.83	137.8	18.06	131.2	16.58
	30	299.6	165.0	20.51	155.2	19.03	147.6	18.25	144.0	17.45	137.8	16.77	131.2	16.00
		374.5	165.0	20.31	155.2	18.83	147.6	18.06	144.0	17.28	137.8	16.58	131.2	15.80
		749.0	165.0	19.53	155.2	18.06	147.6	17.28	144.0	16.58	137.8	15.80	131.2	15.02
		936.3	165.0	19.53	155.2	18.06	147.6	17.28	144.0	16.58	137.8	15.80	131.2	15.02
		1123.5	165.0	19.53	155.2	18.06	147.6	17.28	144.0	16.58	137.8	15.80	131.2	15.02
	35	299.6	165.0	18.06	155.2	17.45	147.6	15.80	144.0	16.00	137.8	15.20	131.2	14.52
		374.5	165.0	18.06	155.2	17.28	147.6	15.80	144.0	15.80	137.8	15.02	131.2	14.32
		749.0	165.0	18.06	155.2	16.58	147.6	15.80	144.0	15.02	137.8	14.32	131.2	13.54
		936.3	165.0	18.06	155.2	16.58	147.6	15.02	144.0	15.02	137.8	14.32	131.2	13.54
		1123.5	165.0	18.06	155.2	16.58	147.6	14.63	144.0	15.02	137.8	14.32	131.2	13.54
	40	299.6	165.0	16.58	155.2	16.00	147.6	14.32	144.0	14.52	137.8	13.74	131.2	12.76
		374.5	165.0	16.58	155.2	15.80	147.6	14.32	144.0	14.32	137.8	13.54	131.2	12.76
		749.0	165.0	16.58	155.2	15.02	147.6	14.32	144.0	13.54	137.8	12.76	131.2	12.76
		936.3	165.0	16.58	155.2	15.02	147.6	14.32	144.0	13.54	137.8	12.76	131.2	12.76
		1123.5	165.0	16.58	155.2	15.02	147.6	14.32	144.0	13.54	137.8	12.76	131.2	12.76
	45	299.6	165.0	15.02	155.2	14.52	147.6	12.76	144.0	12.94	137.8	12.26	131.2	11.09
		374.5	165.0	15.02	155.2	14.32	147.6	12.76	144.0	12.76	137.8	12.06	131.2	11.29
		749.0	165.0	15.02	155.2	13.54	147.6	12.76	144.0	12.06	137.8	11.29	131.2	12.06
		936.3	165.0	15.02	155.2	13.54	147.6	13.54	144.0	12.06	137.8	11.29	131.2	12.06
		1123.5	165.0	15.02	155.2	13.54	147.6	13.93	144.0	12.06	137.8	11.29	131.2	12.06
50	-5	299.6	55.1	17.60	51.8	16.67	48.8	15.78	48.2	14.92	47.9	14.01	47.1	13.27
		374.5	56.9	17.98	53.5	17.04	50.5	16.11	49.8	15.25	49.6	14.32	48.7	13.54
		749.0	64.2	19.46	60.3	18.52	57.1	17.43	56.5	16.58	56.2	15.57	55.1	14.63
		936.3	71.1	21.01	66.7	19.92	63.1	18.83	62.4	17.90	61.9	16.73	61.0	15.80
		1123.5	74.5	21.80	70.0	20.63	66.1	19.54	65.4	18.57	64.8	17.32	64.0	16.39
	0	299.6	98.2	25.78	90.9	24.46	84.5	23.04	82.7	21.87	81.5	20.57	78.6	19.40
		374.5	98.7	25.84	91.4	24.52	85.0	23.11	83.2	21.95	82.1	20.62	79.1	19.46
		749.0	101.0	26.07	93.5	24.75	87.1	23.43	85.3	22.26	84.1	20.86	80.9	19.69
		936.3	102.6	26.07	94.9	24.75	88.2	23.43	86.6	22.26	85.3	20.86	82.3	19.69
		1123.5	103.4	26.07	95.5	24.75	88.8	23.43	87.3	22.26	85.8	20.86	83.0	19.69
	5	299.6	135.7	28.04	128.7	26.56	122.7	25.08	119.8	23.85	114.5	22.39	109.3	21.05
		374.5	136.0	28.17	128.9	26.69	122.7	25.22	119.8	23.97	114.5	22.49	109.3	21.17
		749.0	137.1	28.72	129.8	27.24	123.0	25.76	119.8	24.44	114.5	22.88	109.3	21.64
		936.3	137.1	28.95	129.6	27.47	123.0	25.92	119.8	24.59	114.5	23.11	109.3	21.79
		1123.5	137.1	29.07	129.5	27.59	123.0	26.00	119.8	24.67	114.5	23.23	109.3	21.87

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(78HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	299.6	136.6	25.80	129.0	24.30	122.7	22.84	119.8	21.83	114.5	20.18	109.3	19.26
		374.5	136.7	25.76	129.1	24.28	122.7	22.80	119.8	21.79	114.5	20.24	109.3	19.22
		749.0	137.1	25.61	129.8	24.20	123.0	22.65	119.8	21.64	114.5	20.47	109.3	19.07
		936.3	137.1	25.76	129.6	24.28	123.0	22.73	119.8	21.71	114.5	20.16	109.3	19.15
		1123.5	137.1	25.84	129.5	24.32	123.0	22.76	119.8	21.75	114.5	20.00	109.3	19.18
	15	299.6	137.1	23.54	129.6	21.97	123.0	20.51	119.8	19.71	114.5	18.06	109.3	17.45
		374.5	137.1	23.35	129.6	21.79	123.0	20.31	119.8	19.53	114.5	18.06	109.3	17.28
		749.0	137.1	22.57	129.6	21.09	123.0	19.53	119.8	18.83	114.5	18.06	109.3	16.58
		936.3	137.1	22.57	129.6	21.09	123.0	19.53	119.8	18.83	114.5	17.28	109.3	16.58
		1123.5	137.1	22.57	129.6	21.09	123.0	19.53	119.8	18.83	114.5	16.89	109.3	16.58
	20	299.6	137.1	20.51	129.6	19.03	123.0	18.25	119.8	17.45	114.5	16.77	109.3	15.02
		374.5	137.1	20.31	129.6	18.83	123.0	18.06	119.8	17.28	114.5	16.58	109.3	15.02
		749.0	137.1	19.53	129.6	18.06	123.0	17.28	119.8	16.58	114.5	15.80	109.3	15.02
		936.3	137.1	19.53	129.6	18.06	123.0	17.28	119.8	16.58	114.5	15.80	109.3	15.02
		1123.5	137.1	19.53	129.6	18.06	123.0	17.28	119.8	16.58	114.5	15.80	109.3	15.02
	25	299.6	137.1	18.25	129.6	16.58	123.0	16.00	119.8	15.02	114.5	14.32	109.3	13.54
		374.5	137.1	18.06	129.6	16.58	123.0	15.80	119.8	15.02	114.5	14.32	109.3	13.54
		749.0	137.1	17.28	129.6	16.58	123.0	15.02	119.8	15.02	114.5	14.32	109.3	13.54
		936.3	137.1	17.28	129.6	16.58	123.0	15.02	119.8	15.02	114.5	14.32	109.3	13.54
		1123.5	137.1	17.28	129.6	16.58	123.0	15.02	119.8	15.02	114.5	14.32	109.3	13.54
	30	299.6	137.1	16.77	129.6	15.20	123.0	14.52	119.8	13.54	114.5	13.74	109.3	12.94
		374.5	137.1	16.58	129.6	15.02	123.0	14.32	119.8	13.54	114.5	13.54	109.3	12.76
		749.0	137.1	15.80	129.6	14.32	123.0	13.54	119.8	13.54	114.5	12.76	109.3	12.06
		936.3	137.1	15.80	129.6	14.32	123.0	13.54	119.8	13.54	114.5	12.76	109.3	12.06
		1123.5	137.1	15.80	129.6	14.32	123.0	13.54	119.8	13.54	114.5	12.76	109.3	12.06
	35	299.6	137.1	15.20	129.6	13.54	123.0	12.76	119.8	12.94	114.5	12.06	109.3	11.29
		374.5	137.1	15.02	129.6	13.54	123.0	12.76	119.8	12.76	114.5	12.06	109.3	11.29
		749.0	137.1	14.32	129.6	13.54	123.0	12.76	119.8	12.06	114.5	12.06	109.3	11.29
		936.3	137.1	14.32	129.6	13.54	123.0	12.76	119.8	12.06	114.5	12.06	109.3	11.29
		1123.5	137.1	14.32	129.6	13.54	123.0	12.76	119.8	12.06	114.5	12.06	109.3	11.29
	40	299.6	137.1	13.74	129.6	12.94	123.0	12.26	119.8	11.29	114.5	11.48	109.3	10.51
		374.5	137.1	13.54	129.6	12.76	123.0	12.06	119.8	11.29	114.5	11.29	109.3	10.51
		749.0	137.1	12.76	129.6	12.06	123.0	11.29	119.8	11.29	114.5	10.51	109.3	10.51
		936.3	137.1	12.76	129.6	12.06	123.0	11.29	119.8	11.29	114.5	10.51	109.3	10.51
		1123.5	137.1	12.76	129.6	12.06	123.0	11.29	119.8	11.29	114.5	10.51	109.3	10.51
	45	299.6	137.1	12.26	129.6	12.46	123.0	11.66	119.8	9.63	114.5	10.88	109.3	9.81
		374.5	137.1	12.06	129.6	12.06	123.0	11.29	119.8	9.81	114.5	10.51	109.3	9.81
		749.0	137.1	11.29	129.6	10.51	123.0	9.81	119.8	10.51	114.5	9.03	109.3	9.81
		936.3	137.1	11.29	129.6	10.51	123.0	9.81	119.8	10.51	114.5	9.03	109.3	9.81
		1123.5	137.1	11.29	129.6	10.51	123.0	9.81	119.8	10.51	114.5	9.03	109.3	9.81

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(80HP)

ARWN800LAS4

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	307.2	119.2	48.88	118.3	46.03	117.6	42.85	116.1	41.58	117.4	40.49	114.2	36.31
		384.0	123.3	49.74	122.4	46.92	121.7	43.78	120.0	42.49	121.4	41.37	118.1	37.10
		768.0	139.5	53.12	138.3	50.46	137.6	47.48	135.7	46.12	137.4	44.83	133.9	40.24
		960.0	154.2	56.50	152.8	53.92	151.9	51.19	150.0	49.82	151.9	48.37	147.9	43.38
		1152.0	161.7	58.20	160.2	55.67	159.1	53.05	157.2	51.68	159.2	50.15	155.0	44.96
	0	307.2	213.0	66.86	208.2	64.87	203.7	62.75	199.2	60.98	199.9	59.31	190.8	53.12
		384.0	214.3	67.04	209.3	65.03	204.9	62.94	200.4	61.17	201.1	59.48	192.0	53.28
		768.0	219.4	67.77	214.0	65.67	209.6	63.66	205.1	61.89	205.8	60.12	196.7	53.92
		960.0	222.7	67.77	217.3	65.67	212.9	63.66	208.2	61.89	208.9	60.12	199.5	53.92
		1152.0	224.4	67.77	219.0	65.67	214.5	63.66	209.7	61.89	210.4	60.12	200.9	53.92
	5	307.2	306.7	71.87	302.1	70.10	295.8	68.31	288.3	66.37	280.6	64.54	265.1	57.80
		384.0	307.8	72.19	302.6	70.42	295.8	68.65	288.3	66.72	280.6	64.87	265.1	58.11
		768.0	312.0	73.48	304.7	71.71	296.1	70.02	288.3	68.09	280.6	66.16	265.1	59.32
		960.0	313.9	73.96	305.7	72.19	296.1	70.50	288.3	68.57	280.6	66.64	265.1	59.72
		1152.0	314.8	74.21	306.2	72.44	296.1	70.75	288.3	68.81	280.6	66.88	265.1	59.92
	10	307.2	307.1	65.39	302.2	63.20	294.9	62.01	287.2	60.62	279.5	58.55	264.1	52.84
		384.0	309.0	65.27	303.6	63.26	296.1	62.13	288.3	60.60	280.6	58.51	265.1	52.80
		768.0	316.2	64.79	309.2	63.50	300.8	62.62	293.0	60.52	284.8	58.35	269.3	52.64
		960.0	317.9	65.67	311.3	64.39	302.6	62.86	294.4	60.76	286.7	59.32	271.0	55.13
		1152.0	318.7	66.12	312.4	64.83	303.6	62.98	295.1	60.89	287.6	59.80	271.8	56.39
	15	307.2	307.6	58.94	302.2	56.42	293.7	55.82	286.0	54.89	278.5	52.56	263.0	47.89
		384.0	310.1	58.35	304.5	56.18	296.1	55.69	288.3	54.49	280.6	52.15	265.1	47.48
		768.0	320.2	56.02	313.7	55.21	305.4	55.21	297.7	52.88	289.0	50.54	273.6	45.88
		960.0	321.9	57.38	316.7	56.50	309.2	55.21	300.8	52.88	293.0	51.99	276.8	50.54
		1152.0	322.7	58.07	318.2	57.15	311.1	55.21	302.3	52.88	295.0	52.72	278.5	52.90
	20	307.2	319.3	54.07	313.5	51.55	305.2	50.42	296.7	48.81	288.1	47.72	271.0	46.26
		384.0	321.9	53.68	316.0	51.51	307.6	50.38	299.1	49.01	290.7	48.05	273.6	45.88
		768.0	331.9	52.15	326.1	51.35	316.9	50.22	308.5	49.82	300.8	49.34	283.6	44.35
		960.0	333.3	52.15	328.4	51.35	320.7	50.54	311.5	49.82	303.1	49.34	286.0	47.16
		1152.0	334.1	52.15	329.6	51.35	322.6	50.71	313.1	49.82	304.3	49.34	287.2	48.58
	25	307.2	337.1	51.55	328.4	50.06	320.7	49.22	314.6	48.39	307.6	47.69	290.0	44.55
		384.0	337.1	51.35	328.4	49.98	320.7	49.01	314.6	48.21	307.6	47.48	290.0	44.35
		768.0	337.1	50.54	328.4	49.66	320.7	48.21	314.6	47.48	307.6	46.68	290.0	43.54
		960.0	337.1	49.82	328.4	48.37	320.7	47.48	314.6	46.68	307.6	45.88	290.0	42.82
		1152.0	337.1	49.45	328.4	47.72	320.7	47.12	314.6	46.27	307.6	45.47	290.0	42.45
	30	307.2	337.1	50.23	328.4	47.73	320.7	47.29	314.6	46.06	307.6	45.56	290.0	42.40
		384.0	337.1	49.82	328.4	47.65	320.7	47.00	314.6	45.88	307.6	45.15	290.0	42.01
		768.0	337.1	48.21	328.4	47.32	320.7	45.88	314.6	45.15	307.6	43.54	290.0	40.48
		960.0	337.1	47.48	328.4	46.04	320.7	45.15	314.6	44.35	307.6	43.54	290.0	40.48
		1152.0	337.1	47.12	328.4	45.39	320.7	44.79	314.6	43.94	307.6	43.54	290.0	40.48
	35	307.2	337.1	47.89	328.4	46.30	320.7	45.35	314.6	43.72	307.6	42.22	290.0	39.26
		384.0	337.1	47.48	328.4	46.04	320.7	45.15	314.6	43.54	307.6	42.01	290.0	38.87
		768.0	337.1	45.88	328.4	44.99	320.7	44.35	314.6	42.82	307.6	41.21	290.0	37.34
		960.0	337.1	45.88	328.4	44.51	320.7	43.54	314.6	42.01	307.6	40.48	290.0	37.34
		1152.0	337.1	45.88	328.4	44.26	320.7	43.14	314.6	41.61	307.6	40.12	290.0	37.34
	40	307.2	337.1	46.26	328.4	44.79	320.7	43.93	314.6	42.40	307.6	40.89	290.0	36.93
		384.0	337.1	45.88	328.4	44.51	320.7	43.54	314.6	42.01	307.6	40.48	290.0	36.54
		768.0	337.1	44.35	328.4	43.38	320.7	42.01	314.6	40.48	307.6	38.87	290.0	35.01
		960.0	337.1	43.54	328.4	42.66	320.7	42.01	314.6	40.48	307.6	38.87	290.0	35.01
		1152.0	337.1	43.14	328.4	42.29	320.7	42.01	314.6	40.48	307.6	38.87	290.0	35.01
	45	307.2	337.1	44.73	328.4	43.26	320.7	42.60	314.6	41.07	307.6	39.46	290.0	34.59
		384.0	337.1	44.35	328.4	42.98	320.7	42.01	314.6	40.48	307.6	38.87	290.0	34.21
		768.0	337.1	42.82	328.4	41.85	320.7	39.68	314.6	38.15	307.6	36.54	290.0	32.68
		960.0	337.1	41.21	328.4	40.80	320.7	40.48	314.6	38.87	307.6	37.34	290.0	32.68
		1152.0	337.1	40.40	328.4	40.28	320.7	40.89	314.6	39.24	307.6	37.75	290.0	32.68
120	-5	307.2	113.3	48.88	112.4	46.03	111.7	42.85	110.4	41.04	111.3	39.85	108.3	35.67
		384.0	117.2	49.74	116.3	46.92	115.6	43.78	114.2	41.93	115.1	40.72	112.1	36.46
		768.0	132.7	53.12	131.5	50.46	130.8	47.48	129.2	45.47	130.3	44.19	126.8	39.60
		960.0	146.5	56.50	145.3	53.92	144.4	51.19	142.8	49.09	143.9	47.65	139.9	42.66
		1152.0	153.5	58.20	152.3	55.67	151.3	53.05	149.6	50.92	150.8	49.39	146.6	44.20
	0	307.2	202.5	66.86	197.6	64.87	193.4	62.75	189.5	60.10	189.5	58.43	180.8	52.23
		384.0	203.7	67.04	198.8	65.03	194.6	62.94	190.6	60.28	190.6	58.59	181.9	52.39
		768.0	208.4	67.77	203.5	65.67	199.3	63.66	195.0	61.01	195.0	59.24	186.4	53.04
		960.0	211.7	67.77	206.8	65.67	202.3	63.66	198.1	61.01	197.8	59.24	189.2	53.04
		1152.0	213.3	67.77	208.4	65.67	203.8	63.66	199.6	61.01	199.3	59.24	190.6	53.04

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▒ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	5	307.2	292.0	71.87	287.6	70.10	281.3	68.31	274.5	65.41	265.8	63.58	251.3	56.94
		384.0	293.0	72.19	288.1	70.42	281.3	68.65	274.5	65.75	265.8	63.90	251.3	57.22
		768.0	297.2	73.48	290.2	71.71	281.3	70.02	274.5	67.12	265.8	65.19	251.3	58.35
		960.0	298.9	73.96	288.6	72.19	281.3	70.50	274.5	67.61	265.8	65.67	251.3	58.75
		1152.0	299.7	74.21	287.7	72.44	281.3	70.75	274.5	67.85	265.8	65.92	251.3	58.96
	10	307.2	293.1	64.57	287.6	62.77	280.5	61.51	273.7	59.64	265.1	57.67	250.6	51.85
		384.0	294.4	64.79	288.8	63.02	281.3	61.73	274.5	59.72	265.8	57.63	251.3	51.91
		768.0	299.8	65.67	293.5	63.98	284.3	62.62	277.6	60.04	268.6	57.46	253.9	52.15
		960.0	301.5	65.43	292.6	63.98	285.5	62.86	278.7	60.28	269.8	57.71	255.0	53.92
		1152.0	302.3	65.31	292.1	63.98	286.1	62.98	279.3	60.40	270.4	57.83	255.6	54.82
	15	307.2	293.9	57.26	288.0	55.57	279.7	54.71	273.0	53.89	264.5	51.73	249.9	46.88
		384.0	295.6	57.38	289.7	55.69	281.3	54.81	274.5	53.68	265.8	51.35	251.3	46.68
		768.0	302.4	57.87	296.8	56.18	287.6	55.21	280.6	52.88	271.2	49.82	256.7	45.88
		960.0	304.0	56.98	296.5	55.69	290.0	55.21	282.9	52.88	273.6	49.82	259.0	49.01
		1152.0	304.9	56.54	296.4	55.45	291.2	55.21	284.1	52.88	274.7	49.82	260.2	50.60
	20	307.2	302.1	51.51	296.4	49.31	287.4	48.01	279.5	47.30	270.4	46.72	255.9	44.35
		384.0	304.0	51.51	298.2	49.50	289.0	48.21	281.3	47.48	272.2	46.68	257.4	44.19
		768.0	311.8	51.51	305.2	50.22	295.4	49.01	288.3	48.21	279.0	46.52	263.5	43.54
		960.0	313.2	51.03	305.0	49.82	297.7	49.01	290.0	48.21	280.6	46.68	265.1	45.15
		1152.0	313.9	50.78	304.9	49.62	298.9	49.01	290.8	48.21	281.4	46.76	266.0	45.96
	25	307.2	316.8	48.71	307.6	46.44	297.7	45.55	291.4	44.55	283.6	43.72	268.2	40.69
		384.0	316.9	48.53	307.6	46.36	297.7	45.47	291.4	44.35	283.6	43.54	268.2	40.48
		768.0	317.6	47.81	307.6	46.04	297.7	45.15	291.4	43.54	283.6	42.82	268.2	39.68
		960.0	318.6	46.04	307.6	44.83	297.7	44.35	291.4	43.54	283.6	42.01	268.2	39.68
		1152.0	319.0	45.14	307.6	44.22	297.7	43.94	291.4	43.54	283.6	41.61	268.2	39.68
	30	307.2	318.6	46.58	307.6	44.29	297.7	43.02	291.4	41.39	283.6	40.89	268.2	37.55
		384.0	318.6	46.20	307.6	44.02	297.7	42.82	291.4	41.21	283.6	40.48	268.2	37.34
		768.0	318.6	44.67	307.6	42.98	297.7	42.01	291.4	40.48	283.6	38.87	268.2	36.54
		960.0	318.6	43.22	307.6	42.01	297.7	41.21	291.4	40.48	283.6	38.87	268.2	35.81
		1152.0	318.6	42.49	307.6	41.53	297.7	40.80	291.4	40.48	283.6	38.87	268.2	35.45
	35	307.2	318.6	44.49	307.6	42.08	297.7	40.89	291.4	39.26	283.6	37.73	268.2	34.39
		384.0	318.6	43.86	307.6	41.69	297.7	40.48	291.4	38.87	283.6	37.34	268.2	34.21
		768.0	318.6	41.37	307.6	40.16	297.7	38.87	291.4	37.34	283.6	35.81	268.2	33.48
		960.0	318.6	40.89	307.6	39.84	297.7	38.87	291.4	37.34	283.6	35.81	268.2	32.68
		1152.0	318.6	40.64	307.6	39.68	297.7	38.87	291.4	37.34	283.6	35.81	268.2	32.27
	40	307.2	318.6	43.17	307.6	40.15	297.7	38.56	291.4	36.93	283.6	35.40	268.2	32.05
		384.0	318.6	42.33	307.6	39.68	297.7	38.15	291.4	36.54	283.6	35.01	268.2	31.87
		768.0	318.6	39.03	307.6	37.83	297.7	36.54	291.4	35.01	283.6	33.48	268.2	31.15
		960.0	318.6	38.55	307.6	37.34	297.7	36.54	291.4	35.01	283.6	33.48	268.2	30.34
		1152.0	318.6	38.31	307.6	37.10	297.7	36.54	291.4	35.01	283.6	33.48	268.2	29.94
	45	307.2	318.6	41.84	307.6	38.21	297.7	36.22	291.4	34.59	283.6	33.06	268.2	29.72
		384.0	318.6	40.80	307.6	37.67	297.7	35.81	291.4	34.21	283.6	32.68	268.2	29.54
		768.0	318.6	36.70	307.6	35.49	297.7	34.21	291.4	32.68	283.6	31.15	268.2	28.81
		960.0	318.6	36.22	307.6	34.85	297.7	34.21	291.4	32.68	283.6	31.15	268.2	28.01
		1152.0	318.6	35.97	307.6	34.52	297.7	34.21	291.4	32.68	283.6	31.15	268.2	27.60
110	-5	307.2	107.2	49.53	106.5	46.03	105.8	42.85	104.7	41.04	105.0	39.85	102.6	35.67
		384.0	110.9	50.38	110.2	46.92	109.5	43.78	108.3	41.93	108.5	40.72	106.2	36.46
		768.0	125.4	53.76	124.7	50.46	124.0	47.48	122.6	45.47	122.6	44.19	120.3	39.60
		960.0	138.5	57.22	137.6	53.92	136.9	51.19	135.5	49.09	135.5	47.65	132.7	42.66
		1152.0	145.2	58.97	144.1	55.67	143.4	53.05	142.0	50.92	142.0	49.39	138.9	44.20
	0	307.2	191.6	67.76	187.3	64.87	183.4	62.75	179.9	60.10	178.3	58.43	171.5	52.23
		384.0	192.7	67.93	188.5	65.03	184.5	62.94	181.0	60.28	179.3	58.59	172.5	52.39
		768.0	197.1	68.57	192.9	65.67	188.7	63.66	185.2	61.01	183.5	59.24	176.5	53.04
		960.0	200.2	68.57	196.0	65.67	191.8	63.66	188.0	61.01	186.4	59.24	179.1	53.04
		1152.0	201.7	68.57	197.5	65.67	193.3	63.66	189.4	61.01	187.8	59.24	180.4	53.04
	5	307.2	279.4	72.83	272.8	70.10	266.5	68.31	260.4	65.41	250.4	63.58	238.2	56.94
		384.0	280.4	73.16	273.3	70.42	266.5	68.65	260.4	65.75	250.4	63.90	238.2	57.22
		768.0	284.1	74.45	275.4	71.71	266.8	70.02	260.4	67.12	250.4	65.19	238.2	58.35
		960.0	285.8	74.93	276.1	72.19	266.8	70.50	260.4	67.61	250.4	65.67	238.2	58.75
		1152.0	286.6	75.17	276.5	72.44	266.8	70.75	260.4	67.85	250.4	65.92	238.2	58.96
	10	307.2	280.5	65.31	273.6	63.08	266.1	61.71	260.0	59.64	249.9	57.67	237.9	51.85
		384.0	281.5	65.43	274.3	63.26	266.5	61.89	260.4	59.72	250.4	57.63	238.2	51.91
		768.0	285.8	65.92	277.1	63.98	268.2	62.62	262.1	60.04	252.0	57.46	239.3	52.15
		960.0	287.4	65.92	278.3	63.98	269.1	62.45	262.5	59.88	252.5	57.71	240.0	52.72
		1152.0	288.2	65.92	278.8	63.98	269.6	62.37	262.8	59.80	252.7	57.83	240.4	53.00

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7. Capacity Tables

Heating Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	15	307.2	281.3	57.79	274.0	56.18	266.0	55.21	259.7	53.89	249.5	51.73	237.6	46.88
		384.0	282.5	57.71	275.0	56.18	266.8	55.21	260.4	53.68	250.4	51.35	238.2	46.68
		768.0	287.2	57.38	279.0	56.18	269.8	55.21	263.5	52.88	253.6	49.82	240.5	45.88
		960.0	288.8	56.98	280.4	55.69	271.2	54.49	264.4	52.15	254.3	49.82	241.9	46.68
		1152.0	289.6	56.78	281.1	55.45	271.9	54.12	264.9	51.79	254.7	49.82	242.6	47.09
	20	307.2	286.6	49.88	278.7	48.69	269.7	47.48	262.5	46.68	252.9	45.35	239.6	42.42
		384.0	288.1	49.98	279.7	48.69	270.5	47.48	263.5	46.68	253.6	45.15	240.5	42.33
		768.0	294.2	50.38	283.4	48.69	273.6	47.48	267.5	46.68	256.7	44.35	244.3	42.01
		960.0	295.8	50.38	285.8	48.69	275.2	47.48	268.2	45.88	258.1	44.35	245.0	42.01
		1152.0	296.7	50.38	286.9	48.69	276.0	47.48	268.5	45.47	258.8	44.35	245.3	42.01
	25	307.2	295.5	45.39	286.7	43.72	275.2	43.02	269.1	41.39	259.7	39.88	245.9	36.54
		384.0	296.1	45.31	286.7	43.54	275.2	42.82	269.1	41.21	259.7	39.68	245.9	36.54
		768.0	298.4	44.99	286.7	42.82	275.2	42.01	269.1	40.48	259.7	38.87	245.9	36.54
		960.0	299.8	44.99	286.7	42.98	275.2	41.21	269.1	40.48	259.7	38.15	245.9	35.81
		1152.0	300.5	44.99	286.7	43.06	275.2	40.80	269.1	40.48	259.7	37.78	245.9	35.45
	30	307.2	299.8	41.39	286.7	39.88	275.2	38.35	269.1	37.55	259.7	35.21	245.9	32.88
		384.0	299.8	41.21	286.7	39.68	275.2	38.15	269.1	37.34	259.7	35.01	245.9	32.68
		768.0	299.8	40.48	286.7	38.87	275.2	37.34	269.1	36.54	259.7	34.21	245.9	31.87
		960.0	299.8	40.16	286.7	38.15	275.2	36.54	269.1	35.81	259.7	34.21	245.9	31.87
		1152.0	299.8	40.00	286.7	37.78	275.2	36.13	269.1	35.45	259.7	34.21	245.9	31.87
	35	307.2	299.8	39.26	286.7	36.72	275.2	35.21	269.1	33.68	259.7	32.05	245.9	29.72
		384.0	299.8	38.87	286.7	36.54	275.2	35.01	269.1	33.48	259.7	31.87	245.9	29.54
		768.0	299.8	37.34	286.7	35.81	275.2	34.21	269.1	32.68	259.7	31.15	245.9	28.81
		960.0	299.8	36.38	286.7	35.01	275.2	33.48	269.1	32.68	259.7	31.15	245.9	28.81
		1152.0	299.8	35.89	286.7	34.60	275.2	33.12	269.1	32.68	259.7	31.15	245.9	28.81
	40	307.2	299.8	36.93	286.7	35.40	275.2	33.06	269.1	31.35	259.7	29.72	245.9	27.39
		384.0	299.8	36.54	286.7	35.01	275.2	32.68	269.1	31.15	259.7	29.54	245.9	27.20
		768.0	299.8	35.01	286.7	33.48	275.2	31.15	269.1	30.34	259.7	28.81	245.9	26.48
		960.0	299.8	34.53	286.7	32.68	275.2	31.15	269.1	29.54	259.7	28.01	245.9	25.67
		1152.0	299.8	34.28	286.7	32.27	275.2	31.15	269.1	29.13	259.7	27.60	245.9	25.27
	45	307.2	299.8	34.59	286.7	34.07	275.2	30.93	269.1	29.02	259.7	27.39	245.9	25.05
		384.0	299.8	34.21	286.7	33.48	275.2	30.34	269.1	28.81	259.7	27.20	245.9	24.87
		768.0	299.8	32.68	286.7	31.15	275.2	28.01	269.1	28.01	259.7	26.48	245.9	24.14
		960.0	299.8	32.68	286.7	30.34	275.2	28.81	269.1	26.48	259.7	24.87	245.9	22.54
		1152.0	299.8	32.68	286.7	29.94	275.2	29.22	269.1	25.71	259.7	24.06	245.9	21.72
100	-5	307.2	101.3	49.53	100.6	46.67	100.2	42.85	99.3	41.04	98.4	39.21	96.5	35.67
		384.0	104.8	50.38	104.1	47.57	103.6	43.78	102.7	41.93	101.7	40.08	99.9	36.46
		768.0	118.6	53.76	117.9	51.11	117.2	47.48	116.0	45.47	115.1	43.54	113.2	39.60
		960.0	131.0	57.22	130.1	54.65	129.4	51.19	128.2	49.09	127.3	46.92	124.9	42.66
		1152.0	137.3	58.97	136.2	56.43	135.5	53.05	134.4	50.92	133.4	48.62	130.9	44.20
	0	307.2	181.1	67.76	177.1	65.75	173.4	62.75	170.4	60.10	167.3	57.54	161.5	52.23
		384.0	182.1	67.93	178.2	65.92	174.4	62.94	171.4	60.28	168.3	57.71	162.5	52.39
		768.0	186.4	68.57	182.4	66.56	178.4	63.66	175.3	61.01	172.3	58.35	166.2	53.04
		960.0	189.2	68.57	185.2	66.56	181.2	63.66	177.9	61.01	174.9	58.35	168.8	53.04
		1152.0	190.6	68.57	186.6	66.56	182.6	63.66	179.2	61.01	176.2	58.35	170.1	53.04
	5	307.2	267.2	72.83	258.3	71.06	251.7	68.31	246.6	65.41	234.9	62.61	224.1	56.94
		384.0	268.2	73.16	258.8	71.39	251.8	68.65	246.6	65.75	234.9	62.94	224.1	57.22
		768.0	271.9	74.45	260.7	72.68	252.0	70.02	246.6	67.12	234.9	64.23	224.1	58.35
		960.0	273.6	74.93	261.4	73.16	252.0	70.50	246.6	67.61	234.9	64.63	224.1	58.75
		1152.0	274.4	75.17	261.7	73.40	252.0	70.75	246.6	67.85	234.9	64.83	224.1	58.96
	10	307.2	268.7	65.13	259.1	63.70	252.0	61.71	246.6	59.64	234.9	56.68	224.1	51.85
		384.0	269.3	65.43	259.5	63.90	252.0	61.89	246.6	59.72	234.9	56.74	224.1	51.91
		768.0	271.9	66.64	260.9	64.71	252.0	62.62	246.6	60.04	234.9	56.98	224.1	52.15
		960.0	273.8	66.40	262.1	64.71	252.0	62.45	246.6	59.88	234.9	56.82	224.1	51.91
		1152.0	274.7	66.28	262.7	64.71	252.0	62.37	246.6	59.80	234.9	56.74	224.1	51.79
	15	307.2	270.2	57.42	260.3	56.46	252.0	55.21	246.6	53.89	234.9	50.73	224.1	46.88
		384.0	270.5	57.71	260.4	56.50	252.0	55.21	246.6	53.68	234.9	50.54	224.1	46.68
		768.0	271.9	58.83	261.1	56.66	252.0	55.21	246.6	52.88	234.9	49.82	224.1	45.88
		960.0	274.3	57.87	262.5	56.18	252.0	54.49	246.6	52.15	234.9	49.01	224.1	45.15
		1152.0	275.5	57.38	263.3	55.93	252.0	54.12	246.6	51.79	234.9	48.61	224.1	44.79
	20	307.2	271.6	49.11	261.7	47.85	252.0	46.68	246.6	46.06	234.9	43.02	224.1	40.89
		384.0	272.6	49.34	261.8	47.89	252.0	46.68	246.6	45.88	234.9	42.82	224.1	40.48
		768.0	276.6	50.22	262.5	48.05	252.0	46.68	246.6	45.15	234.9	42.01	224.1	38.87
		960.0	278.3	49.34	264.9	47.65	252.0	45.88	246.6	44.35	234.9	41.21	224.1	38.15
		1152.0	279.1	48.89	266.1	47.44	252.0	45.47	246.6	43.94	234.9	40.80	224.1	37.78

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	25	307.2	274.9	42.94	265.8	41.59	252.0	39.88	246.6	38.35	234.9	36.02	224.1	32.68
		384.0	275.9	42.98	265.8	41.37	252.0	39.68	246.6	38.15	234.9	35.81	224.1	32.68
		768.0	279.9	43.14	265.8	40.48	252.0	38.87	246.6	37.34	234.9	35.01	224.1	32.68
		960.0	281.3	42.17	265.8	40.16	252.0	38.15	246.6	36.54	234.9	35.01	224.1	31.87
		1152.0	282.0	41.69	265.8	40.00	252.0	37.78	246.6	36.13	234.9	35.01	224.1	31.47
	30	307.2	281.3	39.06	265.8	36.02	252.0	33.56	246.6	32.88	234.9	30.34	224.1	29.02
		384.0	281.3	38.87	265.8	35.81	252.0	33.48	246.6	32.68	234.9	30.34	224.1	28.81
		768.0	281.3	38.15	265.8	35.01	252.0	33.16	246.6	31.87	234.9	30.34	224.1	28.01
		960.0	281.3	37.34	265.8	35.01	252.0	32.68	246.6	31.87	234.9	29.54	224.1	28.01
		1152.0	281.3	36.94	265.8	35.01	252.0	32.43	246.6	31.87	234.9	29.13	224.1	28.01
	35	307.2	281.3	36.22	265.8	33.06	252.0	29.62	246.6	29.02	234.9	27.39	224.1	25.05
		384.0	281.3	35.81	265.8	32.68	252.0	29.54	246.6	28.81	234.9	27.20	224.1	24.87
		768.0	281.3	34.21	265.8	31.15	252.0	29.22	246.6	28.01	234.9	26.48	224.1	24.14
		960.0	281.3	34.21	265.8	31.15	252.0	28.81	246.6	28.01	234.9	26.48	224.1	24.14
		1152.0	281.3	34.21	265.8	31.15	252.0	28.61	246.6	28.01	234.9	26.48	224.1	24.14
	40	307.2	281.3	33.89	265.8	30.73	252.0	26.56	246.6	25.88	234.9	24.35	224.1	22.72
		384.0	281.3	33.48	265.8	30.34	252.0	26.48	246.6	25.67	234.9	24.14	224.1	22.54
		768.0	281.3	31.87	265.8	28.81	252.0	26.16	246.6	24.87	234.9	23.34	224.1	21.81
		960.0	281.3	31.15	265.8	28.81	252.0	25.67	246.6	24.87	234.9	23.34	224.1	21.81
		1152.0	281.3	30.78	265.8	28.81	252.0	25.43	246.6	24.87	234.9	23.34	224.1	21.81
	45	307.2	281.3	31.55	265.8	28.39	252.0	23.42	246.6	22.72	234.9	21.21	224.1	20.38
		384.0	281.3	31.15	265.8	28.01	252.0	23.34	246.6	22.54	234.9	21.01	224.1	20.20
		768.0	281.3	29.54	265.8	26.48	252.0	23.02	246.6	21.81	234.9	20.20	224.1	19.48
		960.0	281.3	28.01	265.8	26.48	252.0	22.54	246.6	21.81	234.9	20.20	224.1	19.48
		1152.0	281.3	27.24	265.8	26.48	252.0	22.29	246.6	21.81	234.9	20.20	224.1	19.48
90	-5	307.2	95.6	45.97	92.7	41.86	90.0	36.77	89.3	35.04	88.6	33.77	87.1	30.32
		384.0	98.9	46.76	95.9	42.66	93.1	37.59	92.4	35.81	91.7	34.53	90.0	30.99
		768.0	112.1	49.90	108.5	45.79	105.3	40.80	104.6	38.87	103.8	37.50	101.7	33.64
		960.0	123.8	53.04	119.8	49.01	116.3	44.02	115.3	41.93	114.6	40.40	112.5	36.30
		1152.0	129.7	54.62	125.5	50.64	121.8	45.65	120.8	43.47	120.1	41.86	118.0	37.64
	0	307.2	171.1	62.61	163.1	58.75	155.6	53.94	153.4	51.45	150.8	49.52	145.2	44.47
		384.0	172.1	62.78	164.1	58.91	156.6	54.08	154.2	51.59	151.7	49.66	146.0	44.59
		768.0	176.0	63.42	167.8	59.56	160.3	54.65	157.8	52.15	155.2	50.22	149.6	45.07
		960.0	178.6	63.42	170.4	59.56	162.9	54.65	160.1	52.15	157.8	50.22	151.9	45.07
		1152.0	179.9	63.42	171.7	59.56	164.2	54.65	161.3	52.15	159.1	50.22	153.1	45.07
	5	307.2	241.7	67.22	233.9	63.44	226.4	58.71	221.8	55.97	211.9	53.88	201.8	48.37
		384.0	241.9	67.53	233.7	63.74	226.4	58.99	221.8	56.26	211.9	54.16	201.8	48.61
		768.0	242.9	68.73	233.0	64.95	226.4	60.12	221.8	57.38	211.9	55.29	201.8	49.58
		960.0	244.3	69.13	233.7	65.35	226.4	60.60	221.8	57.79	211.9	55.69	201.8	49.98
		1152.0	245.0	69.34	234.1	65.55	226.4	60.85	221.8	57.99	211.9	55.90	201.8	50.18
	10	307.2	243.0	59.36	234.7	56.44	226.4	53.14	221.8	50.97	211.9	48.89	201.8	44.06
		384.0	242.9	59.40	234.4	56.50	226.4	53.20	221.8	51.03	211.9	48.85	201.8	44.10
		768.0	242.4	59.56	233.2	56.74	226.4	53.44	221.8	51.27	211.9	48.69	201.8	44.27
		960.0	244.0	59.40	233.9	56.58	226.4	53.28	221.8	51.11	211.9	48.85	201.8	44.43
		1152.0	244.9	59.32	234.3	56.50	226.4	53.20	221.8	51.03	211.9	48.93	201.8	44.51
	15	307.2	244.2	51.39	235.5	49.54	226.4	47.69	221.8	46.06	211.9	43.93	201.8	39.88
		384.0	243.8	51.19	235.1	49.34	226.4	47.48	221.8	45.88	211.9	43.54	201.8	39.68
		768.0	242.2	50.38	233.5	48.53	226.4	46.68	221.8	45.15	211.9	42.01	201.8	38.87
		960.0	243.8	49.66	234.2	47.81	226.4	45.88	221.8	44.35	211.9	42.01	201.8	38.87
		1152.0	244.6	49.29	234.5	47.44	226.4	45.47	221.8	43.94	211.9	42.01	201.8	38.87
	20	307.2	245.7	43.38	236.5	42.13	226.4	40.69	221.8	39.06	211.9	37.73	201.8	35.40
		384.0	245.4	43.38	236.1	42.01	226.4	40.48	221.8	38.87	211.9	37.34	201.8	35.01
		768.0	244.5	43.38	234.2	41.53	226.4	39.68	221.8	38.15	211.9	35.81	201.8	33.48
		960.0	245.2	42.66	234.9	41.21	226.4	39.68	221.8	38.15	211.9	35.81	201.8	33.48
		1152.0	245.6	42.29	235.2	41.04	226.4	39.68	221.8	38.15	211.9	35.81	201.8	33.48
	25	307.2	249.8	37.91	239.6	35.90	226.4	34.39	221.8	32.68	211.9	31.35	201.8	29.02
		384.0	250.4	37.83	239.6	35.81	226.4	34.21	221.8	32.68	211.9	31.15	201.8	28.81
		768.0	252.7	37.50	239.6	35.49	226.4	33.48	221.8	32.68	211.9	30.34	201.8	28.01
		960.0	253.6	36.54	239.6	34.69	226.4	33.48	221.8	31.87	211.9	30.34	201.8	28.01
		1152.0	254.1	36.05	239.6	34.28	226.4	33.48	221.8	31.47	211.9	30.34	201.8	28.01
	30	307.2	253.6	34.39	239.6	32.05	226.4	29.72	221.8	29.02	211.9	27.39	201.8	24.87
		384.0	253.6	34.21	239.6	31.87	226.4	29.54	221.8	28.81	211.9	27.20	201.8	24.87
		768.0	253.6	33.48	239.6	31.15	226.4	28.81	221.8	28.01	211.9	26.48	201.8	24.87
		960.0	253.6	32.68	239.6	30.34	226.4	28.81	221.8	28.01	211.9	26.48	201.8	24.14
		1152.0	253.6	32.27	239.6	29.94	226.4	28.81	221.8	28.01	211.9	26.48	201.8	23.78

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	35	307.2	253.6	31.35	239.6	29.02	226.4	26.68	221.8	25.88	211.9	24.35	201.8	22.72
		384.0	253.6	31.15	239.6	28.81	226.4	26.48	221.8	25.67	211.9	24.14	201.8	22.54
		768.0	253.6	30.34	239.6	28.01	226.4	25.67	221.8	24.87	211.9	23.34	201.8	21.81
		960.0	253.6	29.54	239.6	27.20	226.4	24.87	221.8	24.14	211.9	23.34	201.8	21.81
		1152.0	253.6	29.13	239.6	26.80	226.4	24.46	221.8	23.78	211.9	23.34	201.8	21.81
	40	307.2	253.6	29.22	239.6	26.68	226.4	23.54	221.8	22.72	211.9	22.01	201.8	20.38
		384.0	253.6	28.81	239.6	26.48	226.4	23.34	221.8	22.54	211.9	21.81	201.8	20.20
		768.0	253.6	27.20	239.6	25.67	226.4	22.54	221.8	21.81	211.9	21.01	201.8	19.48
		960.0	253.6	27.20	239.6	25.67	226.4	22.54	221.8	21.81	211.9	21.01	201.8	19.48
		1152.0	253.6	27.20	239.6	25.67	226.4	22.54	221.8	21.81	211.9	21.01	201.8	19.48
	45	307.2	253.6	27.07	239.6	24.35	226.4	20.38	221.8	19.68	211.9	19.68	201.8	18.05
		384.0	253.6	26.48	239.6	24.14	226.4	20.20	221.8	19.48	211.9	19.48	201.8	17.87
		768.0	253.6	24.14	239.6	23.34	226.4	19.48	221.8	18.67	211.9	18.67	201.8	17.14
		960.0	253.6	24.87	239.6	24.14	226.4	20.20	221.8	19.48	211.9	18.67	201.8	17.14
		1152.0	253.6	25.23	239.6	24.55	226.4	20.57	221.8	19.88	211.9	18.67	201.8	17.14
80	-5	307.2	90.5	32.75	84.8	31.50	80.3	30.17	79.3	29.15	78.9	27.80	77.3	25.61
		384.0	93.5	33.48	87.7	32.19	83.0	30.82	82.0	29.78	81.6	28.41	79.9	26.16
		768.0	105.7	36.38	99.2	34.93	93.8	33.40	92.8	32.27	92.4	30.82	90.5	28.33
		960.0	117.0	39.20	109.5	37.67	103.6	36.06	102.4	34.85	102.0	33.24	99.9	30.58
		1152.0	122.6	40.61	114.7	39.04	108.6	37.39	107.3	36.15	106.8	34.46	104.6	31.72
	0	307.2	161.4	48.07	148.9	46.14	138.7	44.22	136.1	42.69	134.2	40.68	129.1	37.48
		384.0	162.5	48.21	149.8	46.28	139.5	44.35	136.9	42.82	135.0	40.80	129.9	37.59
		768.0	166.4	48.77	153.3	46.84	142.8	44.83	140.2	43.30	138.3	41.29	132.9	37.99
		960.0	168.8	48.77	155.7	46.84	145.1	44.83	142.3	43.30	140.4	41.29	135.0	37.99
		1152.0	170.0	48.77	156.8	46.84	146.3	44.83	143.4	43.30	141.5	41.29	136.1	37.99
	5	307.2	223.4	52.27	210.8	50.30	201.5	48.03	197.1	46.44	188.7	44.28	179.3	40.74
		384.0	223.9	52.56	211.2	50.54	201.6	48.29	197.1	46.68	188.7	44.51	179.3	40.97
		768.0	225.7	53.68	212.9	51.51	201.8	49.34	197.1	47.65	188.7	45.39	179.3	41.85
		960.0	225.7	54.00	212.6	51.91	201.8	49.66	197.1	47.97	188.7	45.71	179.3	42.09
		1152.0	225.7	54.17	212.5	52.11	201.8	49.82	197.1	48.13	188.7	45.88	179.3	42.21
	10	307.2	224.6	48.11	211.7	45.94	201.5	43.60	197.1	42.39	188.7	40.14	179.3	37.16
		384.0	224.8	48.05	211.9	45.88	201.6	43.62	197.1	42.41	188.7	40.16	179.3	37.18
		768.0	225.7	47.81	212.9	45.63	201.8	43.70	197.1	42.49	188.7	40.24	179.3	37.26
		960.0	225.7	47.65	212.6	45.79	201.8	43.86	197.1	42.25	188.7	40.00	179.3	37.02
		1152.0	225.7	47.56	212.5	45.88	201.8	43.94	197.1	42.13	188.7	39.88	179.3	36.90
	15	307.2	225.7	43.93	212.6	41.59	201.8	39.06	197.1	38.35	188.7	36.02	179.3	33.68
		384.0	225.7	43.54	212.6	41.21	201.8	38.87	197.1	38.15	188.7	35.81	179.3	33.48
		768.0	225.7	42.01	212.6	39.68	201.8	38.15	197.1	37.34	188.7	35.01	179.3	32.68
		960.0	225.7	41.21	212.6	39.68	201.8	38.15	197.1	36.54	188.7	34.21	179.3	31.87
		1152.0	225.7	40.80	212.6	39.68	201.8	38.15	197.1	36.13	188.7	33.80	179.3	31.47
	20	307.2	225.7	36.72	212.6	35.21	201.8	33.48	197.1	32.88	188.7	31.35	179.3	29.02
		384.0	225.7	36.54	212.6	35.01	201.8	33.48	197.1	32.68	188.7	31.15	179.3	28.81
		768.0	225.7	35.81	212.6	34.21	201.8	33.48	197.1	31.87	188.7	30.34	179.3	28.01
		960.0	225.7	35.01	212.6	33.48	201.8	32.68	197.1	31.87	188.7	29.54	179.3	28.01
		1152.0	225.7	34.60	212.6	33.12	201.8	32.27	197.1	31.87	188.7	29.13	179.3	28.01
	25	307.2	225.7	32.88	212.6	30.55	201.8	28.81	197.1	28.21	188.7	26.68	179.3	25.05
		384.0	225.7	32.68	212.6	30.34	201.8	28.81	197.1	28.01	188.7	26.48	179.3	24.87
		768.0	225.7	31.87	212.6	29.54	201.8	28.81	197.1	27.20	188.7	25.67	179.3	24.14
		960.0	225.7	31.15	212.6	29.54	201.8	28.01	197.1	27.20	188.7	25.67	179.3	24.14
		1152.0	225.7	30.78	212.6	29.54	201.8	27.60	197.1	27.20	188.7	25.67	179.3	24.14
	30	307.2	225.7	29.02	212.6	27.39	201.8	25.88	197.1	25.05	188.7	23.54	179.3	22.01
		384.0	225.7	28.81	212.6	27.20	201.8	25.67	197.1	24.87	188.7	23.34	179.3	21.81
		768.0	225.7	28.01	212.6	26.48	201.8	24.87	197.1	24.14	188.7	22.54	179.3	21.01
		960.0	225.7	28.01	212.6	26.48	201.8	24.87	197.1	24.14	188.7	22.54	179.3	21.01
		1152.0	225.7	28.01	212.6	26.48	201.8	24.87	197.1	24.14	188.7	22.54	179.3	21.01
	35	307.2	225.7	26.68	212.6	25.05	201.8	22.72	197.1	21.81	188.7	21.21	179.3	19.48
		384.0	225.7	26.48	212.6	24.87	201.8	22.54	197.1	21.81	188.7	21.01	179.3	19.48
		768.0	225.7	25.67	212.6	24.14	201.8	21.81	197.1	21.81	188.7	20.20	179.3	19.48
		960.0	225.7	25.67	212.6	23.34	201.8	21.81	197.1	21.01	188.7	20.20	179.3	18.67
		1152.0	225.7	25.67	212.6	22.93	201.8	21.81	197.1	20.60	188.7	20.20	179.3	18.27
	40	307.2	225.7	25.26	212.6	22.72	201.8	20.20	197.1	20.38	188.7	18.67	179.3	18.05
		384.0	225.7	24.87	212.6	22.54	201.8	20.20	197.1	20.20	188.7	18.67	179.3	17.87
		768.0	225.7	23.34	212.6	21.81	201.8	20.20	197.1	19.48	188.7	18.67	179.3	17.14
		960.0	225.7	23.34	212.6	21.81	201.8	19.48	197.1	19.48	188.7	18.67	179.3	17.14
		1152.0	225.7	23.34	212.6	21.81	201.8	19.11	197.1	19.48	188.7	18.67	179.3	17.14

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	307.2	225.7	23.93	212.6	20.38	201.8	17.66	197.1	19.06	188.7	16.13	179.3	16.72
		384.0	225.7	23.34	212.6	20.20	201.8	17.87	197.1	18.67	188.7	16.34	179.3	16.34
		768.0	225.7	21.01	212.6	19.48	201.8	18.67	197.1	17.14	188.7	17.14	179.3	14.81
		960.0	225.7	21.01	212.6	20.20	201.8	17.14	197.1	17.87	188.7	17.14	179.3	15.53
		1152.0	225.7	21.01	212.6	20.57	201.8	16.37	197.1	18.23	188.7	17.14	179.3	15.90
70	-5	307.2	78.9	28.12	74.1	26.77	70.1	25.91	69.4	24.42	68.9	23.56	67.8	21.42
		384.0	81.6	28.73	76.7	27.36	72.4	26.48	71.7	24.95	71.3	24.06	70.1	21.89
		768.0	92.4	31.15	86.7	29.70	81.8	28.73	81.1	27.04	80.6	26.08	79.2	23.74
		960.0	102.2	33.64	95.9	32.03	90.5	30.99	89.8	29.13	89.1	28.17	87.4	25.59
		1152.0	107.2	34.90	100.5	33.21	94.9	32.12	94.2	30.19	93.3	29.22	91.6	26.53
	0	307.2	141.2	41.17	130.5	39.25	121.2	37.95	119.1	35.71	117.2	34.51	113.0	31.39
		384.0	142.1	41.29	131.3	39.36	121.9	38.07	119.8	35.81	117.9	34.61	113.7	31.47
		768.0	145.3	41.77	134.3	39.76	124.7	38.55	122.6	36.22	120.7	35.01	116.3	31.79
		960.0	147.4	41.77	136.4	39.76	126.6	38.55	124.5	36.22	122.6	35.01	118.1	31.79
		1152.0	148.5	41.77	137.5	39.76	127.5	38.55	125.4	36.22	123.5	35.01	119.1	31.79
	5	307.2	195.1	44.85	184.8	42.67	176.0	41.31	172.3	38.93	164.6	37.54	156.8	34.10
		384.0	195.5	45.07	185.2	42.90	176.0	41.53	172.3	39.11	164.6	37.75	156.8	34.29
		768.0	197.1	45.96	186.6	43.78	176.3	42.41	172.3	39.84	164.6	38.55	156.8	35.01
		960.0	197.1	46.28	186.4	44.10	176.3	42.74	172.3	40.16	164.6	38.79	156.8	35.25
		1152.0	197.1	46.44	186.2	44.27	176.3	42.90	172.3	40.32	164.6	38.91	156.8	35.37
	10	307.2	196.0	41.29	185.5	39.03	176.3	37.59	172.3	35.49	164.6	34.04	156.8	31.15
		384.0	196.2	41.21	185.7	38.95	176.3	37.50	172.3	35.49	164.6	34.04	156.8	31.15
		768.0	197.1	40.89	186.4	38.63	176.3	37.18	172.3	35.49	164.6	34.04	156.8	31.15
		960.0	197.1	41.05	186.4	38.79	176.3	37.34	172.3	35.65	164.6	33.80	156.8	31.23
		1152.0	197.1	41.13	186.4	38.87	176.3	37.43	172.3	35.73	164.6	33.68	156.8	31.27
	15	307.2	197.1	37.73	186.4	35.40	176.3	33.89	172.3	32.05	164.6	30.55	156.8	28.21
		384.0	197.1	37.34	186.4	35.01	176.3	33.48	172.3	31.87	164.6	30.34	156.8	28.01
		768.0	197.1	35.81	186.4	33.48	176.3	31.87	172.3	31.15	164.6	29.54	156.8	27.20
		960.0	197.1	35.81	186.4	33.48	176.3	31.87	172.3	31.15	164.6	28.81	156.8	27.20
		1152.0	197.1	35.81	186.4	33.48	176.3	31.87	172.3	31.15	164.6	28.45	156.8	27.20
	20	307.2	197.1	31.35	186.4	29.72	176.3	29.02	172.3	28.21	164.6	26.68	156.8	25.05
		384.0	197.1	31.15	186.4	29.54	176.3	28.81	172.3	28.01	164.6	26.48	156.8	24.87
		768.0	197.1	30.34	186.4	28.81	176.3	28.01	172.3	27.20	164.6	25.67	156.8	24.14
		960.0	197.1	30.34	186.4	28.81	176.3	28.01	172.3	26.48	164.6	25.67	156.8	23.34
		1152.0	197.1	30.34	186.4	28.81	176.3	28.01	172.3	26.11	164.6	25.67	156.8	22.93
	25	307.2	197.1	28.21	186.4	26.68	176.3	25.05	172.3	24.35	164.6	22.54	156.8	21.01
		384.0	197.1	28.01	186.4	26.48	176.3	24.87	172.3	24.14	164.6	22.54	156.8	21.01
		768.0	197.1	27.20	186.4	25.67	176.3	24.14	172.3	23.34	164.6	22.54	156.8	21.01
		960.0	197.1	26.48	186.4	24.87	176.3	24.14	172.3	23.34	164.6	21.81	156.8	21.01
		1152.0	197.1	26.11	186.4	24.46	176.3	24.14	172.3	23.34	164.6	21.45	156.8	21.01
	30	307.2	197.1	25.05	186.4	23.54	176.3	22.01	172.3	21.01	164.6	20.38	156.8	18.67
		384.0	197.1	24.87	186.4	23.34	176.3	21.81	172.3	21.01	164.6	20.20	156.8	18.67
		768.0	197.1	24.14	186.4	22.54	176.3	21.01	172.3	21.01	164.6	19.48	156.8	18.67
		960.0	197.1	24.14	186.4	22.54	176.3	21.01	172.3	20.20	164.6	19.48	156.8	18.67
		1152.0	197.1	24.14	186.4	22.54	176.3	21.01	172.3	19.80	164.6	19.48	156.8	18.67
	35	307.2	197.1	22.72	186.4	21.21	176.3	19.48	172.3	19.68	164.6	17.87	156.8	17.35
		384.0	197.1	22.54	186.4	21.01	176.3	19.48	172.3	19.48	164.6	17.87	156.8	17.14
		768.0	197.1	21.81	186.4	20.20	176.3	19.48	172.3	18.67	164.6	17.87	156.8	16.34
		960.0	197.1	21.81	186.4	20.20	176.3	18.67	172.3	18.67	164.6	17.87	156.8	16.34
		1152.0	197.1	21.81	186.4	20.20	176.3	18.27	172.3	18.67	164.6	17.87	156.8	16.34
	40	307.2	197.1	21.21	186.4	19.68	176.3	18.05	172.3	17.14	164.6	16.34	156.8	15.72
		384.0	197.1	21.01	186.4	19.48	176.3	17.87	172.3	17.14	164.6	16.34	156.8	15.53
		768.0	197.1	20.20	186.4	18.67	176.3	17.14	172.3	17.14	164.6	16.34	156.8	14.81
		960.0	197.1	20.20	186.4	18.67	176.3	17.14	172.3	16.34	164.6	15.53	156.8	14.81
		1152.0	197.1	20.20	186.4	18.67	176.3	17.14	172.3	15.93	164.6	15.13	156.8	14.81
	45	307.2	197.1	19.68	186.4	18.05	176.3	16.72	172.3	14.63	164.6	14.81	156.8	14.21
		384.0	197.1	19.48	186.4	17.87	176.3	16.34	172.3	14.81	164.6	14.81	156.8	14.00
		768.0	197.1	18.67	186.4	17.14	176.3	14.81	172.3	15.53	164.6	14.81	156.8	13.20
		960.0	197.1	18.67	186.4	17.14	176.3	15.53	172.3	14.00	164.6	13.20	156.8	13.20
		1152.0	197.1	18.67	186.4	17.14	176.3	15.90	172.3	13.23	164.6	12.39	156.8	13.20
60	-5	307.2	67.7	22.83	63.4	21.97	60.0	21.10	59.3	19.61	59.1	19.29	58.0	17.24
		384.0	70.1	23.34	65.6	22.45	62.1	21.57	61.4	20.04	61.2	19.72	60.0	17.63
		768.0	79.5	25.35	74.3	24.39	70.3	23.42	69.6	21.73	69.4	21.41	68.0	19.15
		960.0	87.7	27.28	82.0	26.32	77.8	25.27	76.9	23.50	76.7	23.10	75.0	20.60
		1152.0	91.8	28.26	85.9	27.29	81.6	26.20	80.6	24.39	80.3	23.95	78.6	21.33

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	307.2	121.2	33.46	111.6	32.27	104.1	30.88	102.1	28.73	100.7	28.33	97.0	25.29
		384.0	121.9	33.56	112.3	32.35	104.8	30.99	102.7	28.81	101.3	28.41	97.5	25.35
		768.0	124.7	33.96	114.9	32.68	107.4	31.39	105.0	29.13	103.6	28.73	99.6	25.59
		960.0	126.6	33.96	116.7	32.68	109.0	31.39	106.7	29.13	105.3	28.73	101.3	25.59
		1152.0	127.5	33.96	117.7	32.68	109.8	31.39	107.5	29.13	106.1	28.73	102.1	25.59
	5	307.2	167.5	36.44	157.9	35.07	151.4	33.62	147.7	31.31	141.4	30.82	134.6	27.46
		384.0	167.8	36.62	158.2	35.25	151.4	33.80	147.7	31.47	141.4	30.99	134.6	27.61
		768.0	169.3	37.34	159.4	35.98	151.4	34.53	147.7	32.11	141.4	31.63	134.6	28.17
		960.0	169.3	37.67	159.2	36.22	151.4	34.77	147.7	32.35	141.4	31.79	134.6	28.41
		1152.0	169.3	37.83	159.1	36.34	151.4	34.89	147.7	32.48	141.4	31.87	134.6	28.53
	10	307.2	168.4	33.48	158.5	32.03	151.4	30.50	147.7	28.49	141.4	27.95	134.6	25.05
		384.0	168.5	33.48	158.7	32.03	151.4	30.50	147.7	28.57	141.4	27.93	134.6	25.11
		768.0	169.3	33.48	159.4	32.03	151.4	30.50	147.7	28.89	141.4	27.85	134.6	25.35
		960.0	169.3	33.56	159.2	31.71	151.4	30.18	147.7	28.57	141.4	27.61	134.6	25.11
		1152.0	169.3	33.60	159.1	31.55	151.4	30.02	147.7	28.41	141.4	27.48	134.6	24.99
	15	307.2	169.3	30.55	159.2	29.02	151.4	27.39	147.7	25.67	141.4	25.05	134.6	22.54
		384.0	169.3	30.34	159.2	28.81	151.4	27.20	147.7	25.67	141.4	24.87	134.6	22.54
		768.0	169.3	29.54	159.2	28.01	151.4	26.48	147.7	25.67	141.4	24.14	134.6	22.54
		960.0	169.3	29.54	159.2	27.20	151.4	25.67	147.7	24.87	141.4	23.34	134.6	21.81
		1152.0	169.3	29.54	159.2	26.80	151.4	25.27	147.7	24.46	141.4	22.93	134.6	21.45
	20	307.2	169.3	26.68	159.2	25.05	151.4	23.54	147.7	22.72	141.4	22.01	134.6	20.38
		384.0	169.3	26.48	159.2	24.87	151.4	23.34	147.7	22.54	141.4	21.81	134.6	20.20
		768.0	169.3	25.67	159.2	24.14	151.4	22.54	147.7	21.81	141.4	21.01	134.6	19.48
		960.0	169.3	25.67	159.2	24.14	151.4	22.54	147.7	21.81	141.4	21.01	134.6	19.48
		1152.0	169.3	25.67	159.2	24.14	151.4	22.54	147.7	21.81	141.4	21.01	134.6	19.48
	25	307.2	169.3	23.54	159.2	22.01	151.4	20.20	147.7	20.38	141.4	18.67	134.6	18.05
		384.0	169.3	23.34	159.2	21.81	151.4	20.20	147.7	20.20	141.4	18.67	134.6	17.87
		768.0	169.3	22.54	159.2	21.01	151.4	20.20	147.7	19.48	141.4	18.67	134.6	17.14
		960.0	169.3	22.54	159.2	21.01	151.4	19.48	147.7	19.48	141.4	18.67	134.6	17.14
		1152.0	169.3	22.54	159.2	21.01	151.4	19.11	147.7	19.48	141.4	18.67	134.6	17.14
	30	307.2	169.3	21.21	159.2	19.68	151.4	18.88	147.7	18.05	141.4	17.35	134.6	16.54
		384.0	169.3	21.01	159.2	19.48	151.4	18.67	147.7	17.87	141.4	17.14	134.6	16.34
		768.0	169.3	20.20	159.2	18.67	151.4	17.87	147.7	17.14	141.4	16.34	134.6	15.53
		960.0	169.3	20.20	159.2	18.67	151.4	17.87	147.7	17.14	141.4	16.34	134.6	15.53
		1152.0	169.3	20.20	159.2	18.67	151.4	17.87	147.7	17.14	141.4	16.34	134.6	15.53
	35	307.2	169.3	18.67	159.2	18.05	151.4	16.34	147.7	16.54	141.4	15.72	134.6	15.01
		384.0	169.3	18.67	159.2	17.87	151.4	16.34	147.7	16.34	141.4	15.53	134.6	14.81
		768.0	169.3	18.67	159.2	17.14	151.4	16.34	147.7	15.53	141.4	14.81	134.6	14.00
		960.0	169.3	18.67	159.2	17.14	151.4	15.53	147.7	15.53	141.4	14.81	134.6	14.00
		1152.0	169.3	18.67	159.2	17.14	151.4	15.13	147.7	15.53	141.4	14.81	134.6	14.00
	40	307.2	169.3	17.14	159.2	16.54	151.4	14.81	147.7	15.01	141.4	14.21	134.6	13.20
		384.0	169.3	17.14	159.2	16.34	151.4	14.81	147.7	14.81	141.4	14.00	134.6	13.20
		768.0	169.3	17.14	159.2	15.53	151.4	14.81	147.7	14.00	141.4	13.20	134.6	13.20
		960.0	169.3	17.14	159.2	15.53	151.4	14.81	147.7	14.00	141.4	13.20	134.6	13.20
		1152.0	169.3	17.14	159.2	15.53	151.4	14.81	147.7	14.00	141.4	13.20	134.6	13.20
	45	307.2	169.3	15.53	159.2	15.01	151.4	13.20	147.7	13.38	141.4	12.68	134.6	11.47
		384.0	169.3	15.53	159.2	14.81	151.4	13.20	147.7	13.20	141.4	12.47	134.6	11.67
		768.0	169.3	15.53	159.2	14.00	151.4	13.20	147.7	12.47	141.4	11.67	134.6	12.47
		960.0	169.3	15.53	159.2	14.00	151.4	14.00	147.7	12.47	141.4	11.67	134.6	12.47
		1152.0	169.3	15.53	159.2	14.00	151.4	14.41	147.7	12.47	141.4	11.67	134.6	12.47
50	-5	307.2	56.5	18.21	53.1	17.24	50.1	16.31	49.4	15.43	49.2	14.48	48.3	13.72
		384.0	58.4	18.59	54.9	17.63	51.8	16.66	51.1	15.77	50.9	14.81	49.9	14.00
		768.0	65.9	20.12	61.9	19.15	58.6	18.03	57.9	17.14	57.7	16.10	56.5	15.13
		960.0	72.9	21.73	68.5	20.60	64.7	19.48	64.0	18.51	63.5	17.30	62.6	16.34
		1152.0	76.4	22.54	71.8	21.33	67.8	20.21	67.1	19.20	66.5	17.91	65.7	16.95
	0	307.2	100.7	26.66	93.2	25.29	86.7	23.82	84.8	22.61	83.6	21.27	80.6	20.06
		384.0	101.3	26.72	93.8	25.35	87.2	23.90	85.3	22.70	84.2	21.33	81.1	20.12
		768.0	103.6	26.96	95.9	25.59	89.3	24.23	87.4	23.02	86.3	21.57	83.0	20.36
		960.0	105.3	26.96	97.3	25.59	90.5	24.23	88.8	23.02	87.4	21.57	84.4	20.36
		1152.0	106.1	26.96	98.0	25.59	91.1	24.23	89.6	23.02	88.0	21.57	85.1	20.36
	5	307.2	139.2	28.99	132.0	27.46	125.8	25.93	122.8	24.67	117.4	23.16	112.1	21.77
		384.0	139.5	29.13	132.2	27.61	125.9	26.08	122.8	24.79	117.4	23.26	112.1	21.89
		768.0	140.7	29.70	133.1	28.17	126.1	26.64	122.8	25.27	117.4	23.66	112.1	22.37
		960.0	140.7	29.94	132.9	28.41	126.1	26.80	122.8	25.43	117.4	23.90	112.1	22.54
		1152.0	140.7	30.06	132.8	28.53	126.1	26.88	122.8	25.51	117.4	24.03	112.1	22.62

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

Heating Capacity(80HP)

Combination (%)	Inlet water Temp.(°C)	Water flow rate [L/min]	Indoor Air temperature (°CDB)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	10	307.2	140.1	26.68	132.3	25.13	125.8	23.62	122.8	22.58	117.4	20.86	112.1	19.92
		384.0	140.2	26.64	132.4	25.11	125.9	23.58	122.8	22.54	117.4	20.93	112.1	19.88
		768.0	140.7	26.48	133.1	25.03	126.1	23.42	122.8	22.37	117.4	21.17	112.1	19.72
		960.0	140.7	26.64	132.9	25.11	126.1	23.50	122.8	22.45	117.4	20.85	112.1	19.80
		1152.0	140.7	26.72	132.8	25.15	126.1	23.54	122.8	22.50	117.4	20.68	112.1	19.84
	15	307.2	140.7	24.35	132.9	22.72	126.1	21.21	122.8	20.38	117.4	18.67	112.1	18.05
		384.0	140.7	24.14	132.9	22.54	126.1	21.01	122.8	20.20	117.4	18.67	112.1	17.87
		768.0	140.7	23.34	132.9	21.81	126.1	20.20	122.8	19.48	117.4	18.67	112.1	17.14
		960.0	140.7	23.34	132.9	21.81	126.1	20.20	122.8	19.48	117.4	17.87	112.1	17.14
		1152.0	140.7	23.34	132.9	21.81	126.1	20.20	122.8	19.48	117.4	17.46	112.1	17.14
	20	307.2	140.7	21.21	132.9	19.68	126.1	18.88	122.8	18.05	117.4	17.35	112.1	15.53
		384.0	140.7	21.01	132.9	19.48	126.1	18.67	122.8	17.87	117.4	17.14	112.1	15.53
		768.0	140.7	20.20	132.9	18.67	126.1	17.87	122.8	17.14	117.4	16.34	112.1	15.53
		960.0	140.7	20.20	132.9	18.67	126.1	17.87	122.8	17.14	117.4	16.34	112.1	15.53
		1152.0	140.7	20.20	132.9	18.67	126.1	17.87	122.8	17.14	117.4	16.34	112.1	15.53
	25	307.2	140.7	18.88	132.9	17.14	126.1	16.54	122.8	15.53	117.4	14.81	112.1	14.00
		384.0	140.7	18.67	132.9	17.14	126.1	16.34	122.8	15.53	117.4	14.81	112.1	14.00
		768.0	140.7	17.87	132.9	17.14	126.1	15.53	122.8	15.53	117.4	14.81	112.1	14.00
		960.0	140.7	17.87	132.9	17.14	126.1	15.53	122.8	15.53	117.4	14.81	112.1	14.00
		1152.0	140.7	17.87	132.9	17.14	126.1	15.53	122.8	15.53	117.4	14.81	112.1	14.00
	30	307.2	140.7	17.35	132.9	15.72	126.1	15.01	122.8	14.00	117.4	14.21	112.1	13.38
		384.0	140.7	17.14	132.9	15.53	126.1	14.81	122.8	14.00	117.4	14.00	112.1	13.20
		768.0	140.7	16.34	132.9	14.81	126.1	14.00	122.8	14.00	117.4	13.20	112.1	12.47
		960.0	140.7	16.34	132.9	14.81	126.1	14.00	122.8	14.00	117.4	13.20	112.1	12.47
		1152.0	140.7	16.34	132.9	14.81	126.1	14.00	122.8	14.00	117.4	13.20	112.1	12.47
	35	307.2	140.7	15.72	132.9	14.00	126.1	13.20	122.8	13.38	117.4	12.47	112.1	11.67
		384.0	140.7	15.53	132.9	14.00	126.1	13.20	122.8	13.20	117.4	12.47	112.1	11.67
		768.0	140.7	14.81	132.9	14.00	126.1	13.20	122.8	12.47	117.4	12.47	112.1	11.67
		960.0	140.7	14.81	132.9	14.00	126.1	13.20	122.8	12.47	117.4	12.47	112.1	11.67
		1152.0	140.7	14.81	132.9	14.00	126.1	13.20	122.8	12.47	117.4	12.47	112.1	11.67
	40	307.2	140.7	14.21	132.9	13.38	126.1	12.68	122.8	11.67	117.4	11.87	112.1	10.87
		384.0	140.7	14.00	132.9	13.20	126.1	12.47	122.8	11.67	117.4	11.67	112.1	10.87
		768.0	140.7	13.20	132.9	12.47	126.1	11.67	122.8	11.67	117.4	10.87	112.1	10.87
		960.0	140.7	13.20	132.9	12.47	126.1	11.67	122.8	11.67	117.4	10.87	112.1	10.87
		1152.0	140.7	13.20	132.9	12.47	126.1	11.67	122.8	11.67	117.4	10.87	112.1	10.87
	45	307.2	140.7	12.68	132.9	12.88	126.1	12.06	122.8	9.96	117.4	11.25	112.1	10.14
		384.0	140.7	12.47	132.9	12.47	126.1	11.67	122.8	10.14	117.4	10.87	112.1	10.14
		768.0	140.7	11.67	132.9	10.87	126.1	10.14	122.8	10.87	117.4	9.34	112.1	10.14
		960.0	140.7	11.67	132.9	10.87	126.1	10.14	122.8	10.87	117.4	9.34	112.1	10.14
		1152.0	140.7	11.67	132.9	10.87	126.1	10.14	122.8	10.87	117.4	9.34	112.1	10.14

Notes:

TC: Total Capacity(kW) PI : Power Input(kW)

1. Capacity tables show the representative value of conditions which may occur.
2. ▨ : By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied.

7.2 Integrated Part Load Value

Chiller Condition (AHRI 550/590)

Test	Inlet Air DB	Inlet Air WB	Inlet Water	Flow Rate	Capacity (W)	Input (W)	COP	IPLV
Standard Rating Cooling	27	19	29.4	Standard	40398.4	8062.9	5.01	10.03
IPLV 75%	27	19	23.9	Standard	30872.6	3218.6	9.59	
IPLV 50%	27	19	18.3	Standard	22365.9	2140.1	10.45	
IPLV 25%	27	19	18.3	Standard	10422.4	1001.5	10.41	

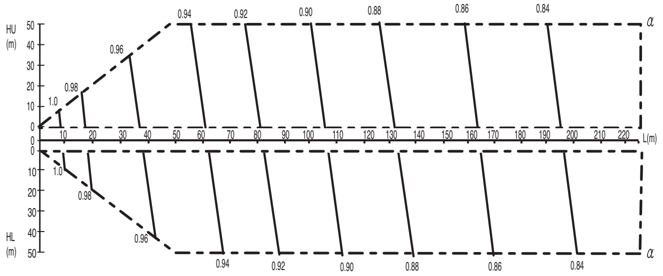
VRF Condition (AHRI 1230)

Test	Inlet Air DB	Inlet Air WB	Inlet Water	Flow Rate	Capacity (W)	Input (W)	COP	IPLV
Standard Rating Cooling	27	19	30	Standard	41427.6	8352	4.96	9.67
IPLV 75%	27	19	23	Standard	34138.3	3864.3	8.83	
IPLV 50%	27	19	16.7	Standard	20721.4	1887.4	10.98	
IPLV 25%	27	19	12.7	Standard	12441.3	1031.5	12.06	

7.3 Capacity Correction Factor

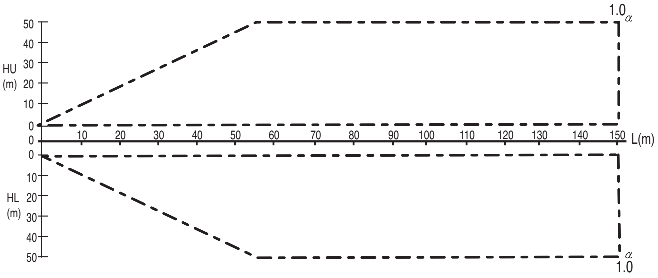
■ 8,10,12,14,16,18,20,22,24,26,28,30,32,34HP

Rate of change in Cooling capacity



HU (m)	50	-	-	-	-	-	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.83	0.83	0.82	α
	40	-	-	-	-	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.84	0.83	0.82	
	30	-	-	-	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.84	0.83	0.82	
	20	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.84	0.83	0.82	
	10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.82	
	7.5	0.99	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.82	
	0	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.82	
	0	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	225	L(m)
HL (m)	0	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.82	
	7.5	1.0	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.82	
	10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.82	
	20	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.82	
	30	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.85	0.84	0.83	0.83	
	40	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.86	0.85	0.85	0.84	0.83	0.83	
	50	-	-	-	-	-	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.83	0.83	α

Rate of change in Heating capacity



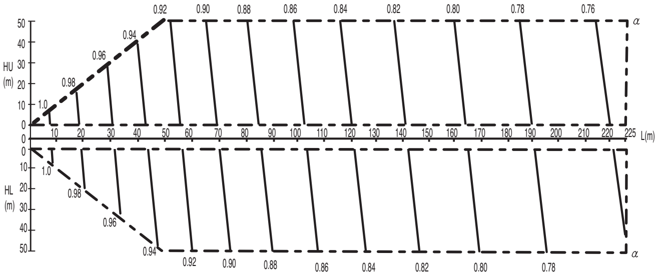
HU (m)	50	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	α
	40	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	30	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	20	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	10	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	7.5	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	0	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	L(m)
HL (m)	7.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	20	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	30	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	40	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	50	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	α

[Symbols]

HU : Level difference between indoor and outside units where indoor unit in inferior position (m)
HL : Level difference between indoor and outside units where indoor unit in superior position (m)
L : Equivalent pipe length (m)
α : Capacity correction factor

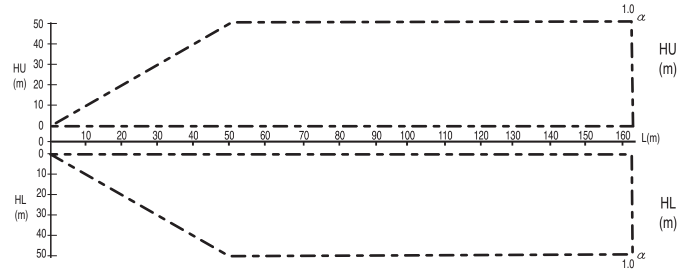
■ 36,38,40,42,44,46,48,50,52,54,56,58,60HP

Rate of change in Cooling capacity



HU (m)	50	-	-	-	-	-	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.77	0.76	0.75	α
	40	-	-	-	-	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.77	0.76	0.75	
	30	-	-	-	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.77	0.76	0.76	
	20	-	-	0.97	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.77	0.76	
	10	-	0.99	0.97	0.96	0.94	0.92	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.77	0.76	
	7.5	0.99	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.77	0.76	
	0	1.0	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.77	0.76	
	0	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	225	L(m)
HL (m)	0	1.0	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.77	0.76	
	7.5	1.0	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.78	0.77	0.77	0.76	
	10	-	0.99	0.98	0.96	0.94	0.93	0.91	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.78	0.77	0.77	0.76	
	20	-	-	0.98	0.96	0.94	0.93	0.91	0.90	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76	
	30	-	-	-	0.96	0.95	0.93	0.92	0.90	0.89	0.88	0.87	0.86	0.84	0.83	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76	
	40	-	-	-	-	0.95	0.93	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76	
	50	-	-	-	-	-	0.93	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76	α

Rate of change in Heating capacity



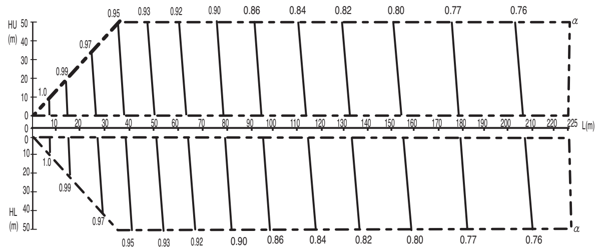
HU (m)	50	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	α
	40	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	30	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	20	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	10	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	7.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	0	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	L(m)
HL (m)	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	7.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	10	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	20	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	30	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	40	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	50	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	α

[Symbols]

HU : Level difference between indoor and outside units where indoor unit in inferior position (m)
HL : Level difference between indoor and outside units where indoor unit in superior position (m)
L : Equivalent pipe length (m)
α : Capacity correction factor

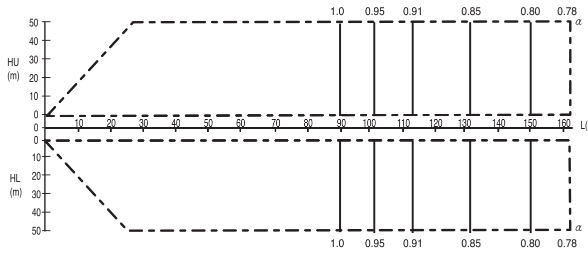
■ 62,64,66,68,70,72,74,76,78,80HP

Rate of change in Cooling capacity



	50	-	-	-	-	-	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76	0.76	0.75	α
	40	-	-	-	-	0.93	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.77	0.76	0.76	0.75	
HU	30	-	-	-	0.95	0.93	0.92	0.90	0.89	0.88	0.87	0.85	0.84	0.83	0.82	^0.81	0.80	0.79	0.79	0.78	0.77	0.76	0.76	0.75	
(m)	20	-	-	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.76	0.76	0.75	
	10	-	0.99	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.78	0.77	0.76	0.76	0.75	
	7.5	1	0.99	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75	
	0	1	0.99	0.97	0.96	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75	
	0	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	225	L(m)
	0	1	0.99	0.97	0.96	0.94	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75	
	7.5	1	0.99	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75	
	10	-	0.99	0.97	0.96	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75	
HL	20	-	-	0.98	0.96	0.94	0.93	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75	
(m)	30	-	-	-	0.96	0.94	0.93	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76	0.75	
	40	-	-	-	-	0.94	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76	0.75	
	50	-	-	-	-	-	0.93	0.92	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76	0.75	α

Rate of change in Heating capacity



	50	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	α
	40	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
HU	30	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
(m)	20	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
	10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
	7.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
	0	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	L(m)
	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
	7.5	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
	10	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
HL	20	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
(m)	30	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
	40	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	
	50	-	-	-	-	-	-	1.0	1.0	1.0	1.0	0.95	0.91	0.87	0.85	0.82	0.80	0.78	α

[Symbols]

HU	: Level difference between indoor and outside units where indoor unit in inferior position (m)
HL	: Level difference between indoor and outside units where indoor unit in superior position (m)
L	: Equivalent pipe length (m)
α	: Capacity correction factor

Notes

1. These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load under standard conditions. (Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.)
2. With this outside unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
3. If heat insulation of piping is insufficient, heat loss will become larger and capacity will decrease
4. Method of calculating cooling / heating capacity : maximum cooling / heating capacity of outside units
   = cooling / heating capacity of outside units obtained from capacity table X capacity correction factor due to piping length to the farthest indoor unit
5. Equivalent piping length for Y branch and other pipes can be calculated with following table.

mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø15.88 (5/8)	Ø19.05 (3/4)	Ø22.2 (7/8)	Ø25.4 (1)	Ø28.58 (1-1/8)	Ø31.8 (1-1/4)	Ø34.9 (1-3/8)	Ø38.1 (1-1/2)	Ø41.3 (1-5/8)	Ø44.5 (1-3/4)	Ø53.98 (2-1/8)
Elbow m(inch)	0.16 (6.3)	0.18 (7.1)	0.2 (7.9)	0.25 (9.8)	0.35 (13.8)	0.4 (15.7)	0.45 (17.7)	0.5 (19.7)	0.55 (21.7)	0.6 (23.6)	0.65 (25.6)	0.7 (27.6)	0.75 (29.5)	0.85 (33.5)
Y Branch m(inch)	0.5(19.7)													
Header m(inch)	1(39.4)													

6. When overall equivalent pipe length is 90 m or more, the diameter of the main gas and liquid pipes.

Upward outside unit total capacity	Standard pipe diameter		Increased pipe diameter	
			When equivalent pipe length from the outside unit to farthest indoor unit is 90m and over	
HP	Liquid pipe [mm(inch)]	Gas pipe [mm(inch)]	Liquid pipe [mm(inch)]	Gas pipe [mm(inch)]
8	Ø 9.52(3/8)	Ø 22.2(7/8)	Ø 12.7(1/2)	not increased
10	Ø 9.52(3/8)	Ø 22.2(7/8)	Ø 12.7(1/2)	Ø 25.4(1)
12	Ø 12.7(1/2)	Ø 25.4(1)	Ø 15.88(5/8)	Ø 28.58(1-1/8)
14	Ø 12.7(1/2)	Ø 25.4(1)	Ø 15.88(5/8)	Ø 28.58(1-1/8)
16 ~ 20	Ø 12.7(1/2)	Ø 28.58(1-1/8)	Ø 15.88(5/8)	Ø 31.8(1-1/4)
22 ~34	Ø 19.05(3/4)	Ø 34.9(1-3/8)	Ø 22.2(7/8)	Ø 38.1(1-1/2)
36 ~ 60	Ø 19.05(3/4)	Ø 41.3(1-5/8)	Ø 22.2(7/8)	not increased
62 ~ 64	Ø 22.2(7/8)	Ø 44.5(1-3/4)	Ø 25.4(1)	Ø 53.98(2-1/8)
66 ~ 80	Ø 22.2(7/8)	Ø 53.98(2-1/8)	Ø 25.4(1)	not increased

* If available on site, it use this size. Otherwise it can't be increased

7. Read cooling / heating capacity rate of change in the above figures based on the following equivalent length. : overall equivalent length = (equivalent length of main pipe) X correction factor + (equivalent length after first branching)

7. Capacity Tables

• 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34HP

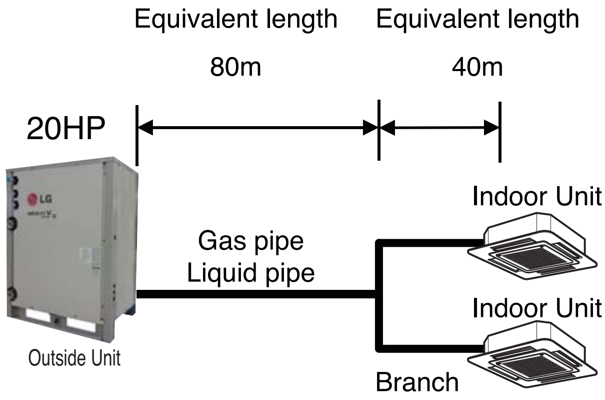
Rate of change (object piping)	Correction factor	
	standard size	size increase
Cooling(Gas pipe)	1.0	0.5
Heating(Liquid pipe)	1.0	0.2

• 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60HP

Rate of change (object piping)	Correction factor	
	standard size	size increase
Cooling(Gas pipe)	1.0	0.5
Heating(Liquid pipe)	1.0	0.4

• 62, 64, 66, 68, 70, 72, 74, 76, 78, 80HP

Rate of change (object piping)	Correction factor	
	standard size	size increase
Cooling(Gas pipe)	1.0	0.5
Heating(Liquid pipe)	1.0	0.4



- (Cooling) Overall equivalent length =80 m x 0.5 + 40 m = 80 m
- (Heating) Overall equivalent length =80 m x 0.2 + 40 m = 56 m

The rate of change in

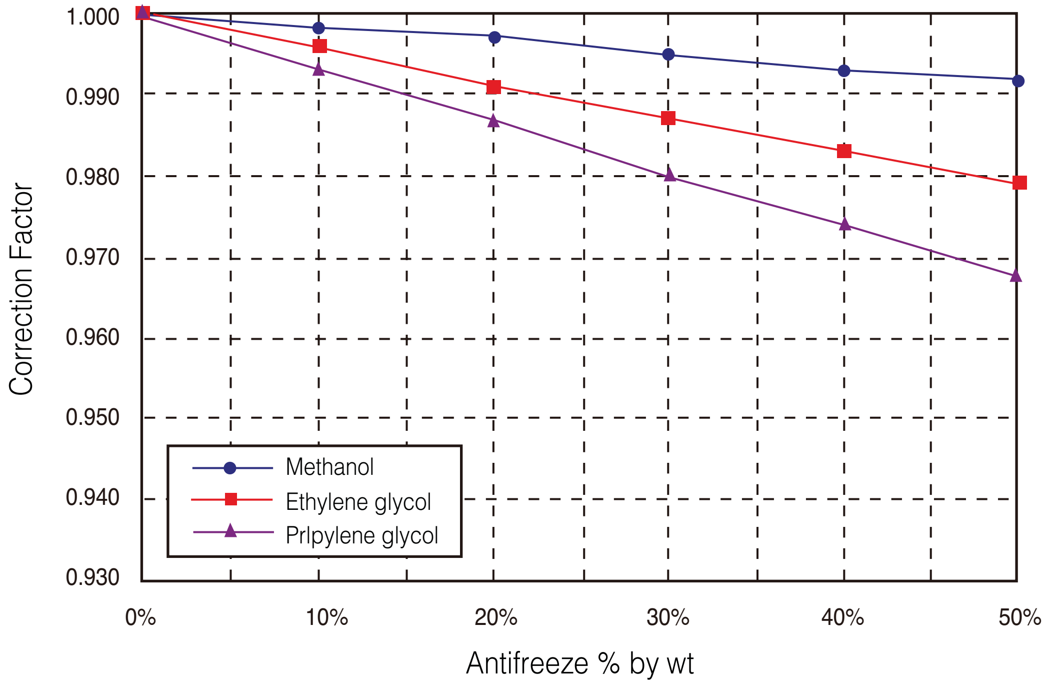
Cooling capacity when HU=0m is thus approximately 0.92

Heating capacity when HU=0m is thus approximately 1.00

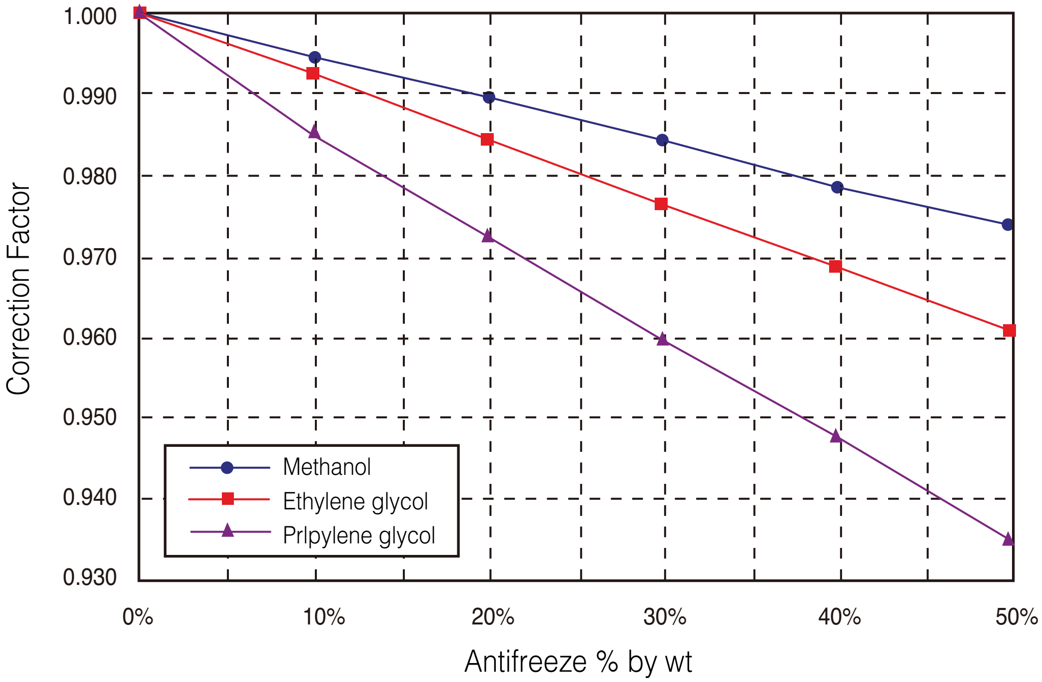
7.4 Antifreeze Corrections

Antifreeze Type	Item	Antifreeze % by wt				
		10%	20%	30%	40%	50%
Methanol	Cooling	0.998	0.997	0.995	0.993	0.992
	Heating	0.995	0.99	0.985	0.979	0.974
	Pressure Drop	1.023	1.057	1.091	1.122	1.160
Ethylene glycol	Cooling	0.996	0.991	0.987	0.983	0.979
	Heating	0.993	0.985	0.997	0.969	0.961
	Pressure Drop	1.024	1.068	1.124	1.188	1.263
Propylene glycol	Cooling	0.993	0.987	0.98	0.974	0.968
	Heating	0.986	0.973	0.96	0.948	0.935
	Pressure Drop	1.040	1.098	1.174	1.273	1.405

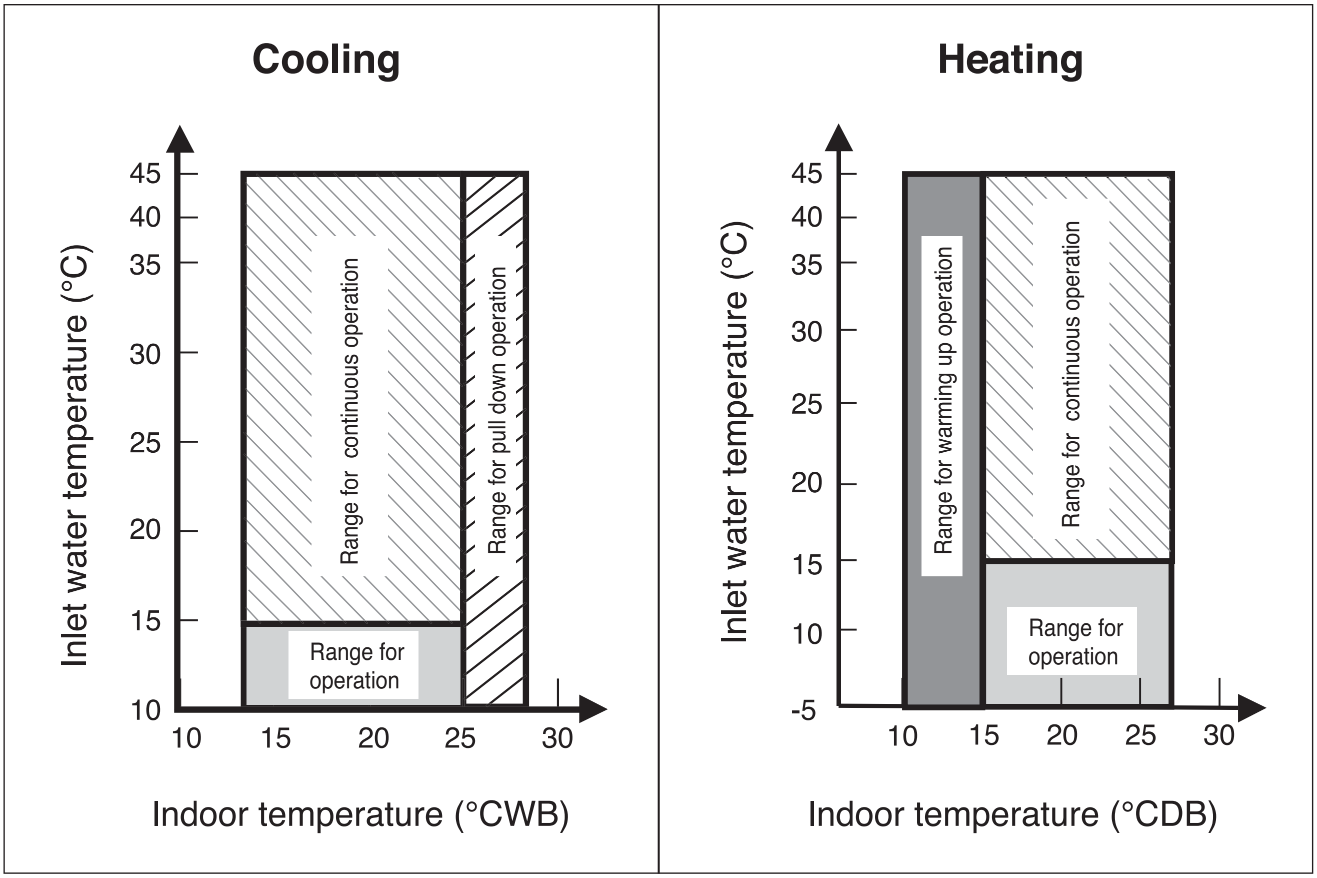
Correction factor of cooling capacity



Correction factor of heating capacity



8. Operation Limits



Notes:

These figures assume the following operating conditions:

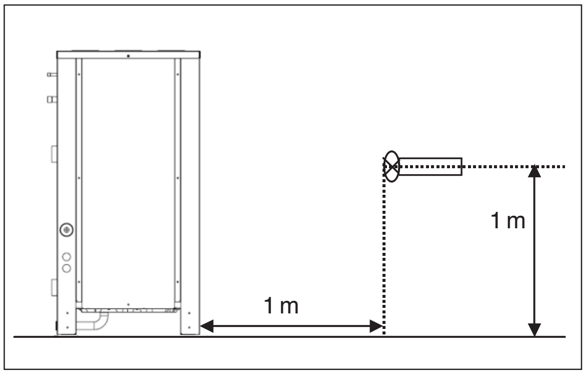
Equivalent piping length:7.5m

Level difference:0m

9. Sound Levels

Unit:dB(A)

Model	Cooling	Heating
8 HP	47	51
10 HP	50	53
12 HP	56	56
14 HP	58	57
16 HP	53	57
18 HP	55	56
20 HP	54	60
22 HP	57	57
24 HP	57	57
26 HP	59	58
28 HP	59	58
30 HP	59	58
32 HP	59	58
34 HP	59	61
36 HP	56	57
38 HP	56	61
40 HP	55	61
42 HP	58	62
44 HP	58	62
46 HP	60	62
48 HP	60	62
50 HP	60	62
52 HP	60	62
54 HP	60	62
56 HP	57	62
58 HP	57	62
60 HP	56	62
62 HP	59	63
64 HP	59	63
66 HP	61	63
68 HP	61	63
70 HP	61	63
72 HP	61	63
74 HP	61	63
76 HP	58	63
78 HP	58	63
80 HP	57	63



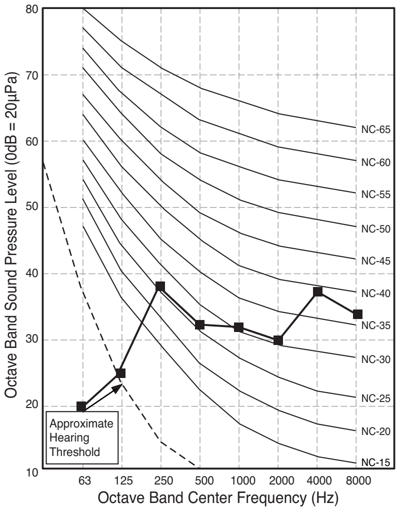
Notes:

- Data is valid at free field condition
- Data is valid at nominal operating condition
- Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed
- The operating conditions are assumed to be standard (ISO conditions)

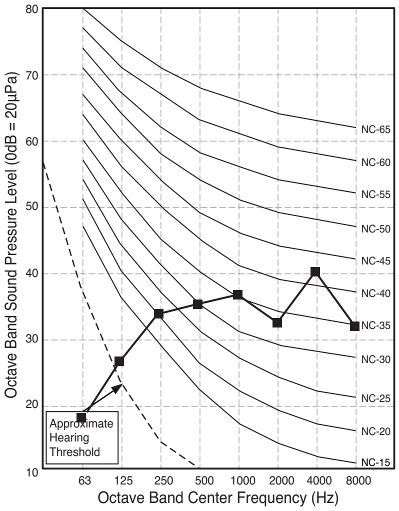
Sound Pressure Level

■ Cooling

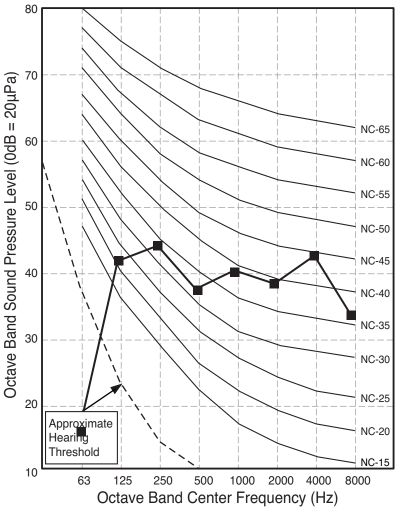
ARWN080LAS4



ARWN100LAS4

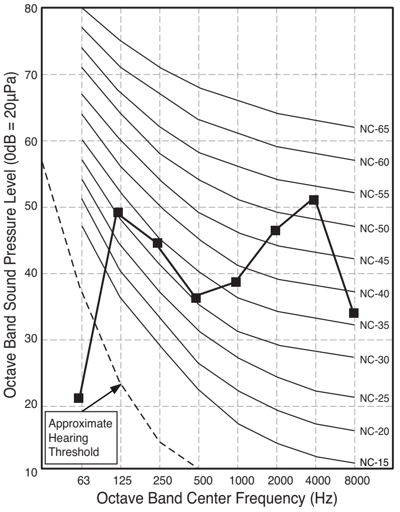


ARWN120LAS4

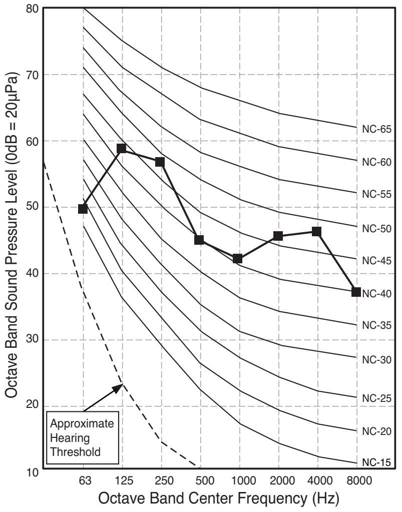


9. Sound Levels

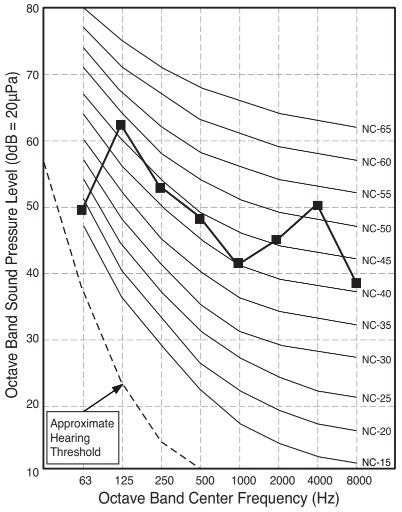
ARWN140LAS4



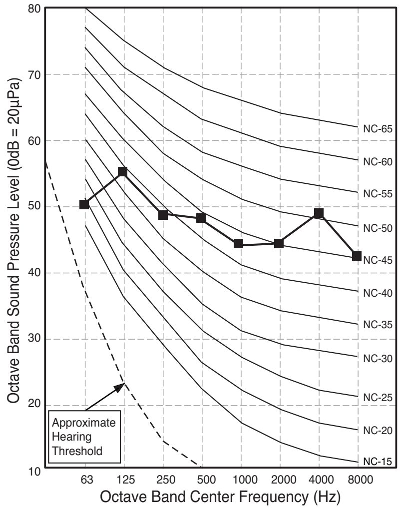
ARWN160LAS4



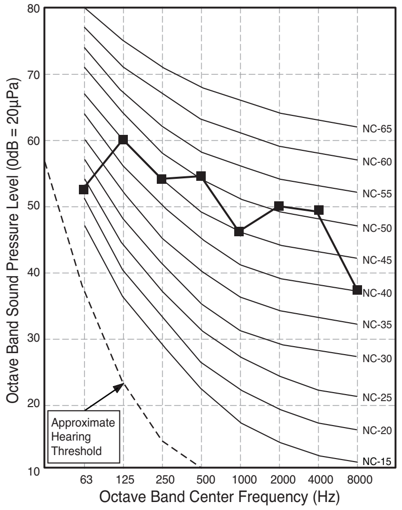
ARWN180LAS4



ARWN200LAS4



ARWN220LAS4
ARWN240LAS4



ARWN260LAS4 ARWN320LAS4
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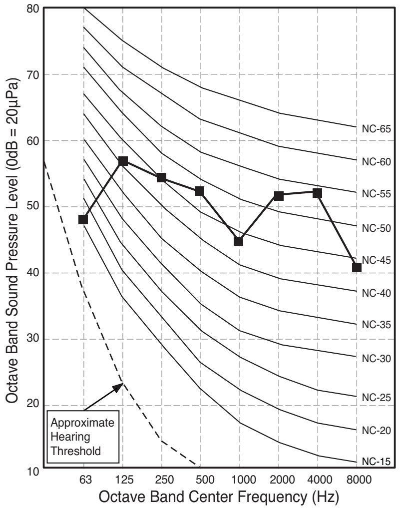

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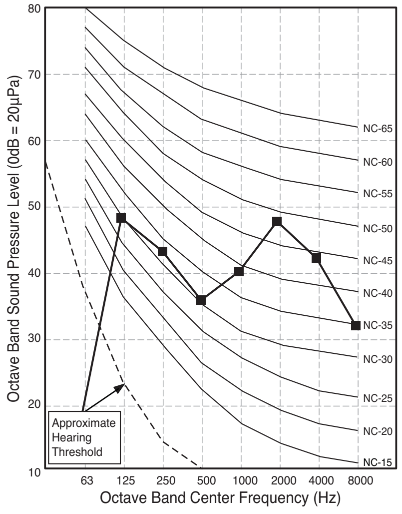

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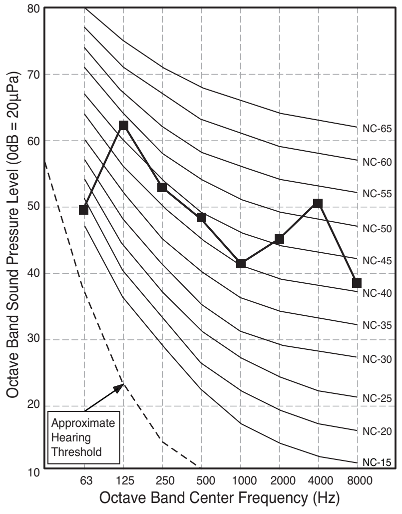

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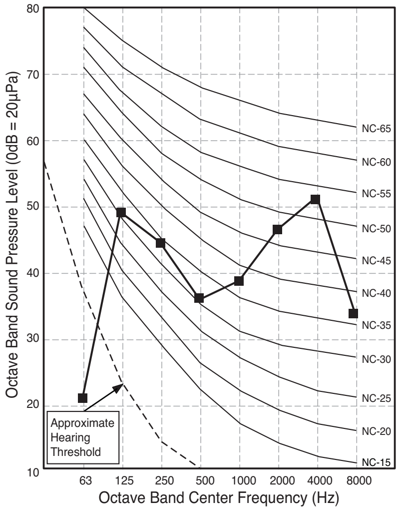

9. Sound Levels

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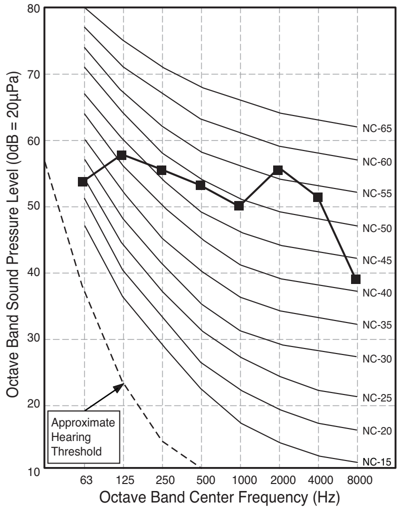

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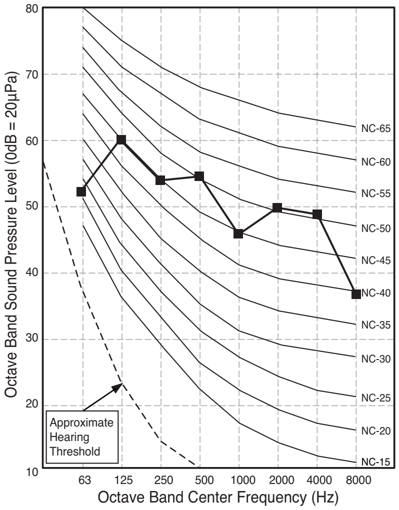

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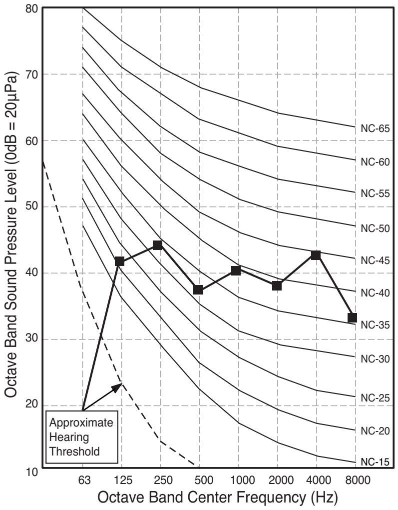

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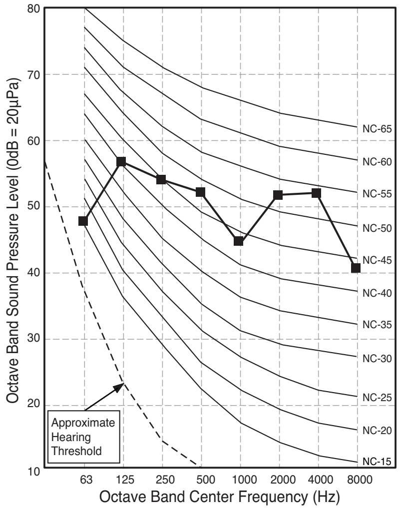

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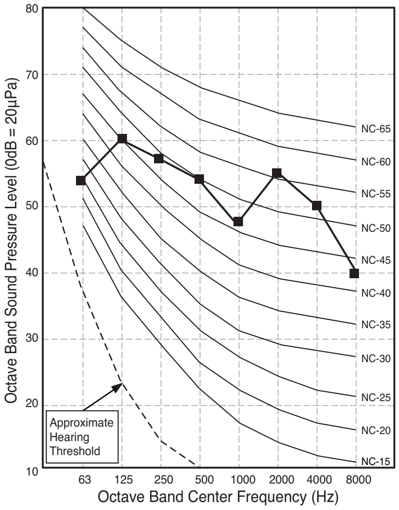
ARWN700LAS4



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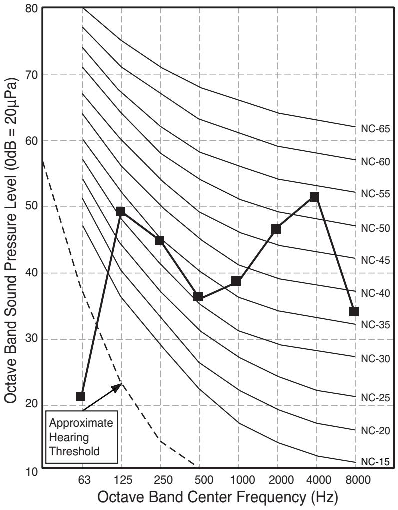

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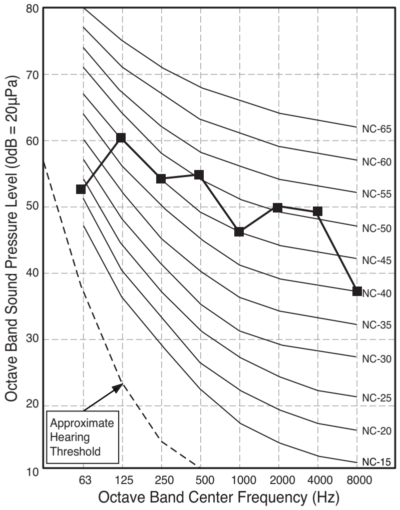
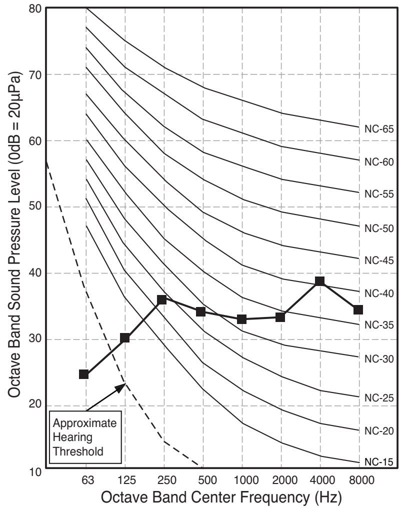


9. Sound Levels

■ Heating

ARWN080LAS4



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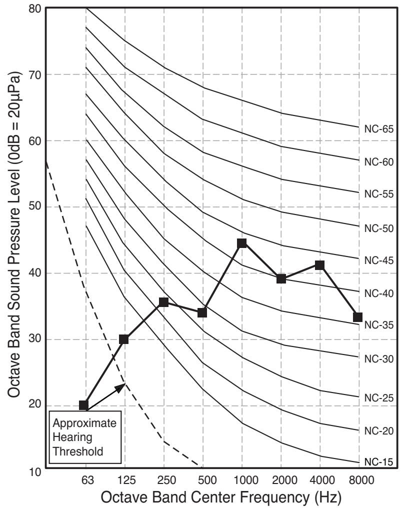

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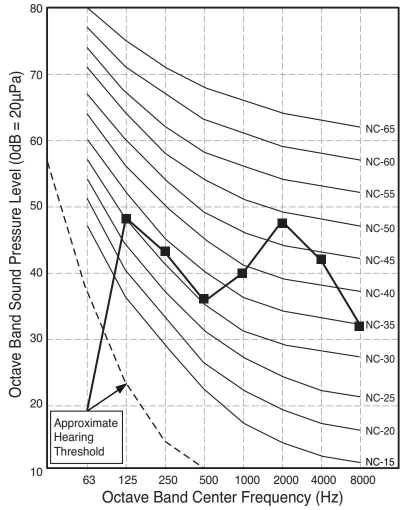

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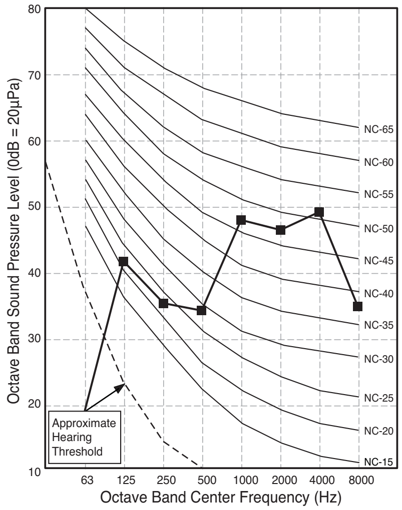

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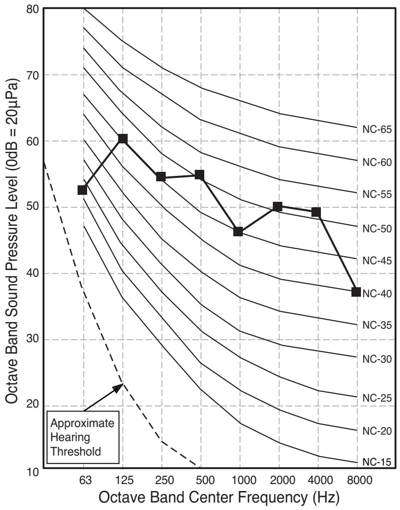

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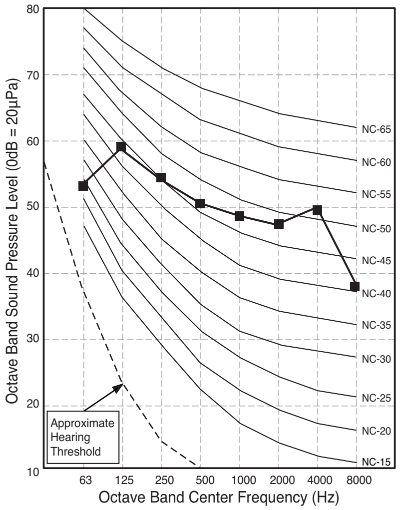

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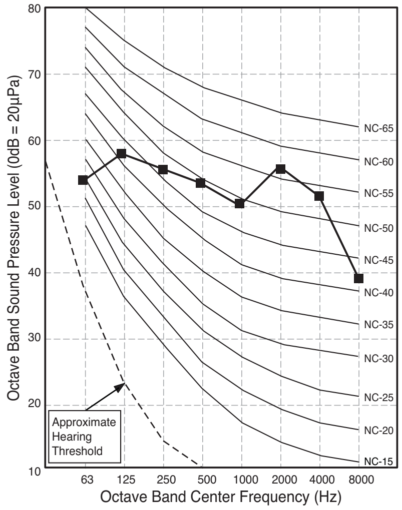

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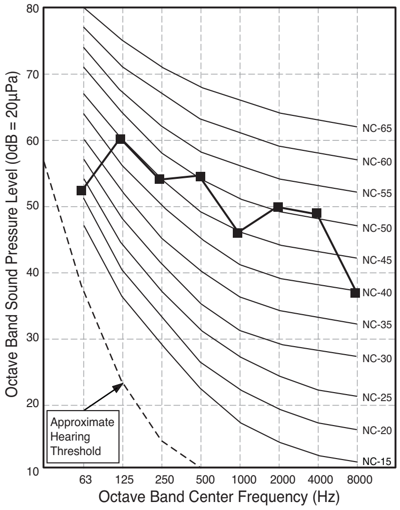

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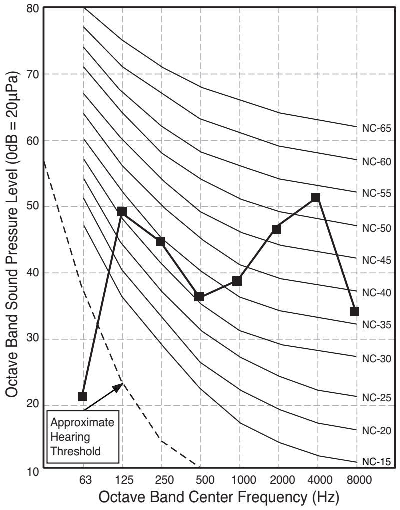

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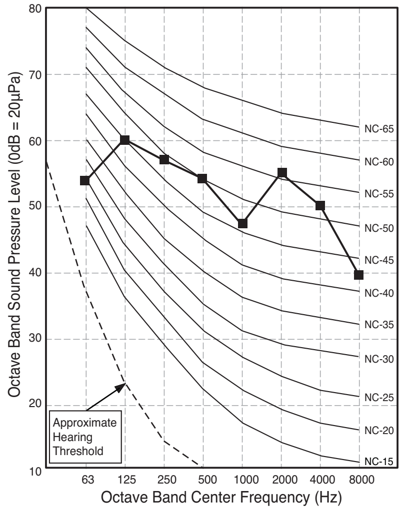

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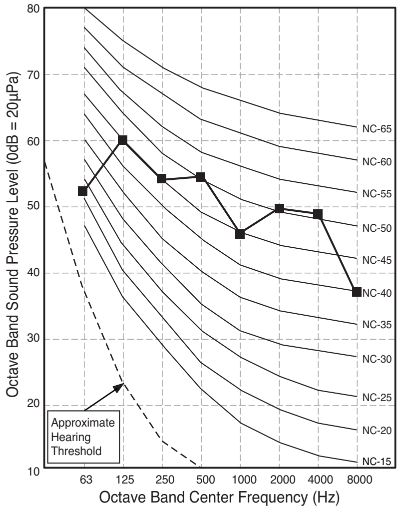

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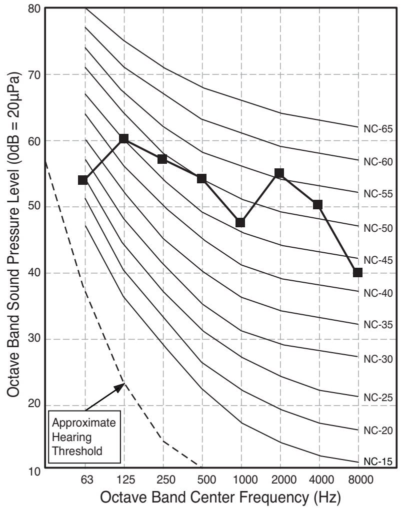

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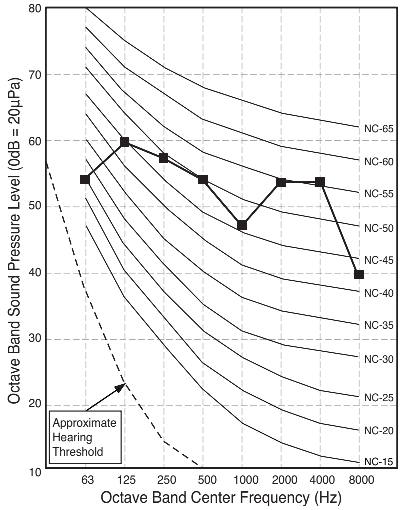

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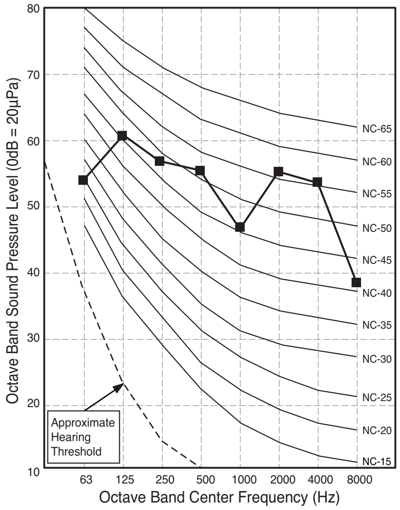
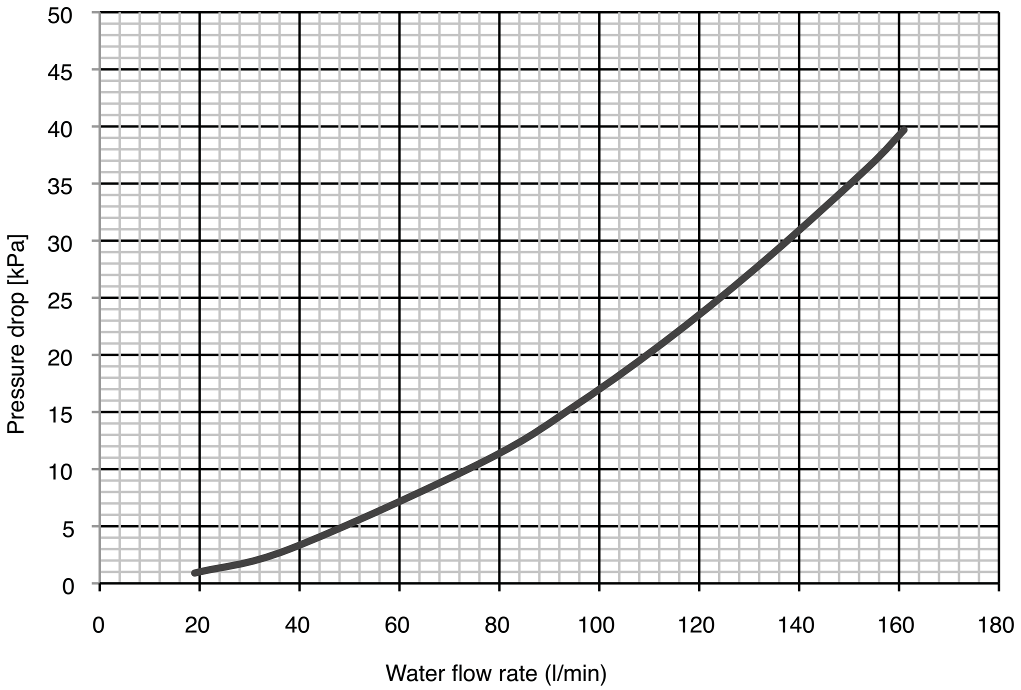
ARWN700LAS4 ARWN800LAS4

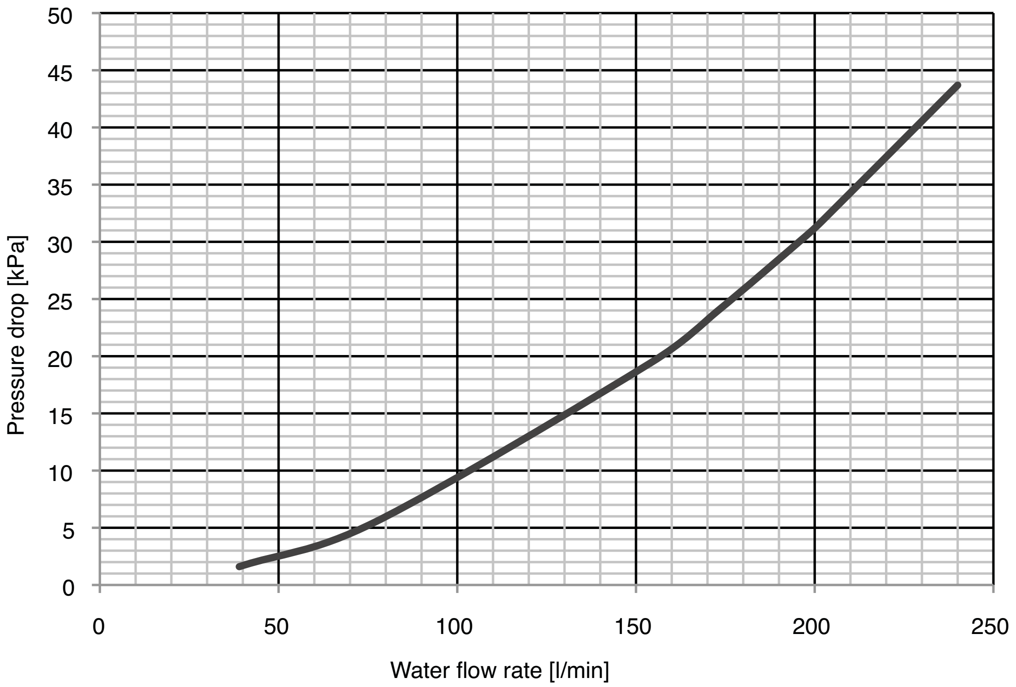


10. Head loss by Water flow

ARWN080LAS4 / ARWN100LAS4 / ARWN120LAS4 / ARWN140LAS4



ARWN160LAS4 / ARWN180LAS4 / ARWN200LAS4



Optional Accessories

No.	Name	Model
1	Y branch pipe	ARBLN01621
		ARBLN03321
		ARBLN07121
		ARBLN14521
		ARBLN23220
2	Header	ARBL054
		ARBL057
		ARBL104
		ARBL107
		ARBL1010
		ARBL2010

MULTI V™ WATER IV

Installation of Outside Units

Appendix information

MFL68359801_01E
July / 2017

1. Alternative Refrigerant R410A

- The refrigerant R410A has the property of higher operating pressure in comparison with R22.
  Therefore, all materials have the characteristics of higher resisting pressure than R22 ones and this characteristic should be also considered during the installation.
  R410A is an azeotrope of R32 and R125 mixed at 50:50, so the ozone depletion potential (ODP) of R410A is 0.

⚠ CAUTION

- The wall thickness of the piping should comply with the relevant local and national regulations for the designed pressure 3.8MPa
- Since R410A is a mixed refrigerant, the required additional refrigerant must be charged in its liquid state.
  If the refrigerant is charged in its gaseous state, its composition changes and the system will not work properly.
- Do not place the refrigerant container under the direct rays of the sun to prevent it from exploding.
- For high-pressure refrigerant, any unapproved pipe must not be used.
- Do not heat pipes more than necessary to prevent them from softening.
- Be careful not to install wrongly to minimize economic loss because it is expensive in comparison with R22.

2. Select the Best Location

- Select space for installation outside unit, which will meet the following conditions.
- With strength which bears weight of unit
- With space for air passage and service work
  Don't install the unit at the space where generation, inflow, stagnation, and leak of combustible gas is expected.
- Avoid unit installation in a place where acidic solution and spray (sulfur) are often used.
- Location with no leakage of combustible gas
- Recommend the outside unit to be installed within 0~40°C.
- Location with installation or service work space (Refer to required space)
- Do not use the outside unit under any special environment where oil, steam and sulfuric gas exist.
- Install in a separate machine room not exposed to external air
  - Establish an anti-freeze plan for the water supply when the product is stopped during the winter.
  - Install the product so that the noise from the machine room is not transferred outsides
- The floor of the machine room must be water proof.
- Drainage must be installed in the machine room to process the water drainage.
- Install a floor slope to make the drainage smooth.
- Avoid installing the outside unit in the location with following conditions.
- Location where corrosive gas such as acidic gas is generated. (It may cause the refrigerant leakage by corrosion of the pipe.)
- Location where electromagnetic waves happen. (It may cause the abnormal operation by control parts disorder.)
- Location to be able to leak the combustible gas
- Location with carbon fiber or combustible dust.
- Location with the combustible material like thinner or gasoline. (It may cause a fire by leaking the gas near the product.)

⚠ CAUTION

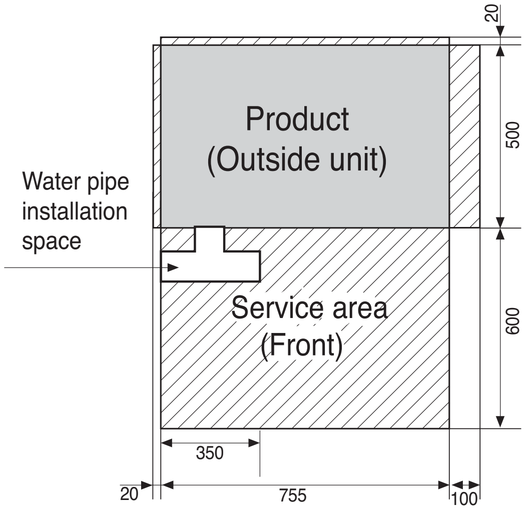
1. **Do not install Multi V water outside. Always install ventilated indoors.**
2. **Inverter product may generate electric noise. Keep the body from computer, stereo etc. at enough distance. Specially leave space from indoor remote controller to shoes electric devices at the above 3m in weak electric wave area. Insert the power cable and other wire into separate conduit.**

3. Installation space

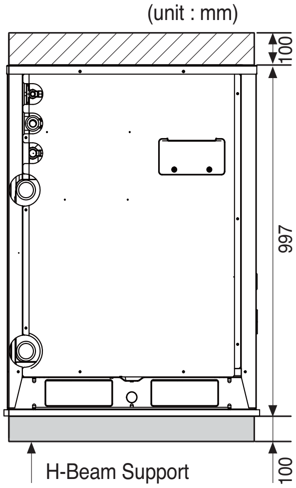
3.1 Individual Installation

Required the minimum space as shown below for installation and check.
If the space is not fit on this drawing, consult with LG.

▨: Service area



<Top View>

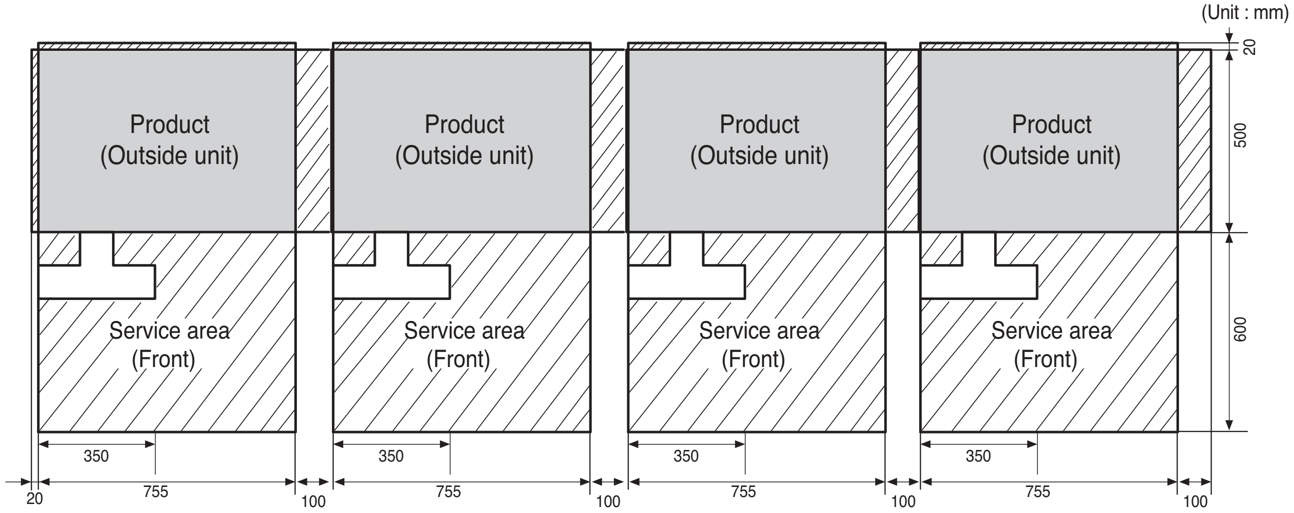


<Front View>

3.2 Collective / Continuous Installation

Space required for collective installation and continuous installation as shown below considering passage for air and people.

▨: Service area



<Top view>

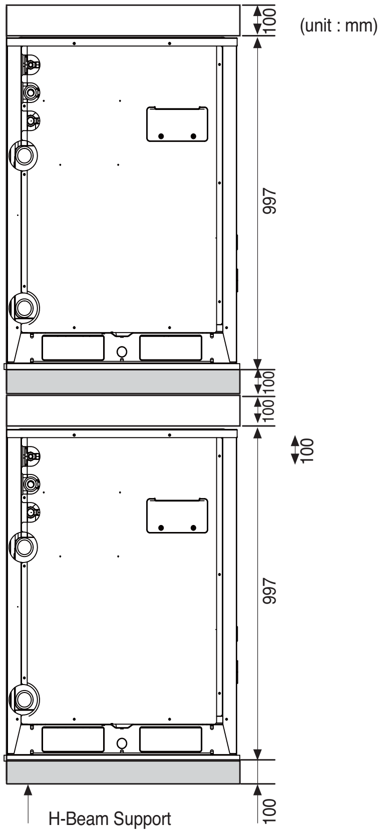
* In case of the water pipe passing side product, please make sufficient service place to avoid occurring between water pipe and product side.

* Maximum number of connectable units could be different in accordance with model line up of target region.

3.3 Two Layer Installation

Space required for two layer installation as shown below considering passage for air and people.

▨: Service area



<Front View>

4. Water control

4.1 Water control

- Keep the water temperature between 10~45°C. Other it may cause the breakdown.
  - Standard water supply temperature is 30°C for Cooling and 20°C for heating.
- Properly control the water velocity. Otherwise it may cause the noise, pipe vibration or pipe contraction, expansion according to the temperature. Use the same water pipe size connected with the product or more.
- Refer to the water source pipe diameter and water velocity table below. As the water velocity is fast, air bubble will increase.

Diameter (mm)	Velocity range (m/s)
< 50	0.6 ~ 1.2
50 ~ 100	1.2 ~ 2.1
100 <	2.1 ~ 2.7

- Be careful of the water purity control. Otherwise it may cause the breakdown due to water pipe corrosion. (Refer to 'Standard Table for Water Purity Control')
- In case the water temperature is above 40°C, it is good to prevent the corrosion by adding The anticorrosive agent.
- Install the pipe, valve and gauge sensor in the space where it is easy to maintain. Install the water valve in the low position for drain, if required.
- Be careful not to let air in. If so, the water velocity will be unstable in the circulation, pump efficiency will also decrease and may cause the piping vibration. Therefore, install the air purge where it may generate the air.
- Choose the following anti freezing methods. Otherwise, it will be dangerous for the pipe to break in the winter.
  - Circulate the water with the pump before dropping the temperature.
  - Keep the normal temperature by boiler.
  - When the cooling tower is not operated for a long time, drain the water in the cooling tower.
  - Use an anti-freeze(For using an anti freeze, change the DIP switch on main PCB in outside unit.)
  - Refer to the additive amount about freezing temperature as in the table given below.

Anti freeze type	Minimum temperature for anti freezing (°C)					
	0	-5	-10	-15	-20	-25
Ethylene glycol (%)	0	12	20	30	-	-
Propylene glycol (%)	0	17	25	33	-	-
Methanol (%)	0	6	12	16	24	30

- In addition to anti freeze, it may cause the change of the pressure in the water system and the low performance of the product.
- Make sure to use the closed cooling type tower.
  When applying the open type cooling tower, use a middle heat exchanger to make the water supply system a closed type system.

4.2 Standard table for water purity control

The water may contain many foreign substances and hence may influence the performance and lifetime of the product due to the corrosion of the condenser and water pipe. (Use water source that complies with the below standard table for water purity control.)

If you use water supply other than the tap water to supply the water for the cooling tower, you must do a water quality inspection.

- If you use the closed cooling tower, the water quality must be controlled in accordance with the following standard table.
  If you do not control the water quality in accordance with the following standard water quality table, it can cause performance deterioration to the air conditioner and severe problem to the product

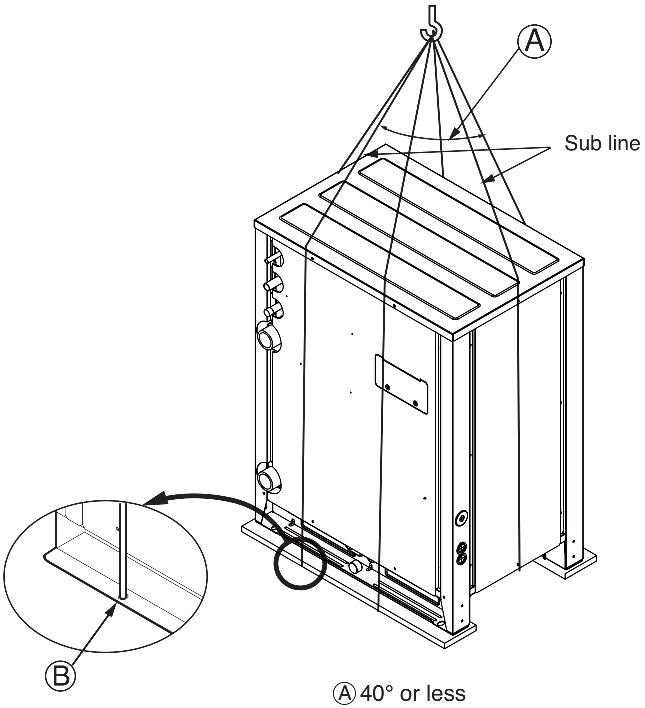
Items	Closed type		Effect	
	Circulating water	Supplemented water	Corrosion	Scale
Basic Item				
pH [25C]	7.0~8.0	7.0~8.0	O	O
Conductivity [25C] (mS/m)	Below 30	Below 30	O	O
Chlorine ions (mg Cl^- /ℓ)	Below 50	Below 50	O	-
Sulfate ions (mg SO_4^2 /ℓ)	Below 50	Below 50	O	O
Acid consumption (pH4.8) (mg $CaCO_3$ /ℓ)	Below 50	Below 50	-	O
Total hardness (mg $CaCO_3$ /ℓ)	Below 70	Below 70	-	O
Calcium hardness (mg $CaCO_3$ /ℓ)	Below 50	Below 50	-	O
Ionic-static silica (mg SiO_2 /ℓ)	Below 30	Below 30	-	O
Reference Item				
Iron (mg Fe /ℓ)	Below 1.0	Below 0.3	O	O
Copper (mg Cu /ℓ)	Below 1.0	Below 0.1	O	-
Sulfate ion (mg $SO_4{}^2$ /ℓ)	Must not be detected	Must not be detected	O	-
Ammonium ion (mg NH_4^+ /ℓ)	Below 0.3	Below 0.1	O	-
Residual chlorine (mg CI /ℓ)	Below 0.25	Below 0.3	O	-
Free carbon dioxide (mg CO_2 /ℓ)	Below 0.4	Below 4.0	O	-
Stability index	-	-	O	O

[Reference]

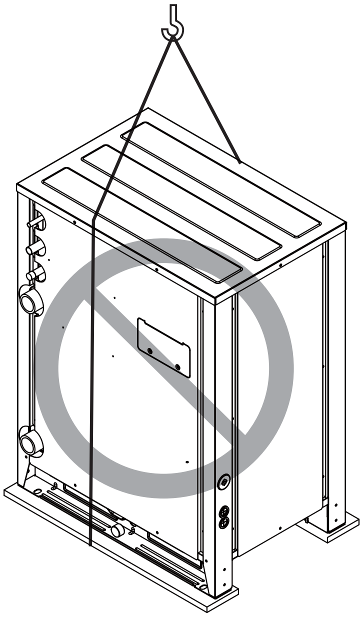
(1) The "O" mark for corrosion and scale means that there is possibility of occurrence.
(2) When the water temperature is 40°C or above or when uncoated iron is exposed to the water, it can result in corrosion. Therefore adding anti-corrosion agent or removing the air can be very effective.
(3) In case of using the closed type cooling tower, the cooling water and supplementing water must satisfy the water quality criteria of closed type system in the table.
(4) Supplementing water and supplied water must be supplied with tap water, industrial water and underground water excluding filtered water, neutral water, soft water etc.
(5) 15 items in the table are general causes of corrosion and scale.

5. Lifting method

- When carrying the unit suspended, pass the ropes under the unit and use the two suspension points each at the front and rear.
- Always lift the unit with ropes attached at fours points so that impact is not applied to the unit.
- Attach the ropes to the unit at an angle of 40° or less



Ⓐ 40° or less
Ⓑ Rope supporter

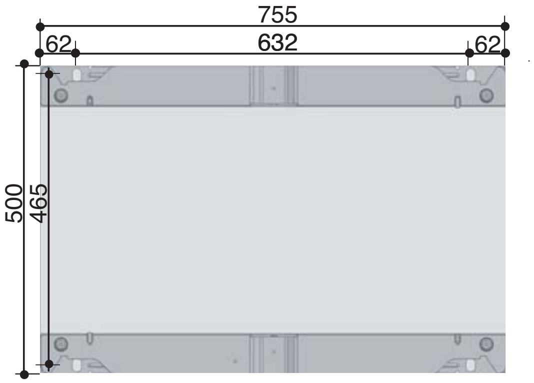


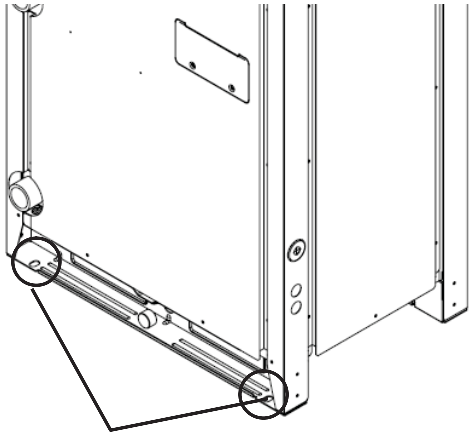
WARNING

CAUTION

- Do not have only one person carry product if it is more than 20kg.
- PP bands are used to pack some products. Do not use them as a means for transportation because they are dangerous.
- Tear the plastic packaging bag and scrap it so that children cannot play with it. Otherwise plastic packaging bag may suffocate children.
- When carrying in outside unit, be sure to support it at four points. Carrying in and lifting with 3-point support may make outside unit unstable, resulting in a fall of it.
- When carrying with the forklift, be careful not to drop the product.

6.1 Location of anchor bolt





The location of anchor bolt

⚠ WARNING

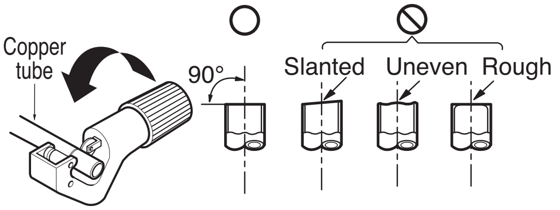
- Be sure to install unit in a place strong enough to withstand its weight. Any lack of strength may cause unit to fall down, resulting in a personal injury.
- Have installation work in order to protect against a strong wind and earthquake. Any installation deficiency may cause unit to fall down, resulting in a personal injury.
- Especially take care for support strength of the floor surface, water drain processing (processing of water flown out from the outside unit during operation) and paths of the pipe and wiring when making a base support.

6.2 Preparation of Piping

Main cause of gas leakage is defect in flaring work. Carry out correct flaring work in the following procedure.

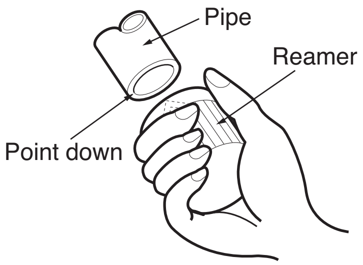
1) Cut the pipes and the cable.

- Use the accessory piping kit or the pipes purchased locally.
- Measure the distance between the indoor and the outside unit.
- Cut the pipes a little longer than measured distance.
- Cut the cable 1.5m longer than the pipe length.



2) Burrs removal

- Completely remove all burrs from the cut cross section of pipe/tube.
- Put the end of the copper tube/pipe to downward direction as you remove burrs in order to avoid to let burrs drop in the tubing.



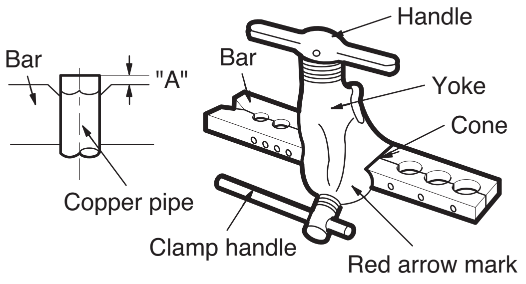
3) Flaring work

- Carry out flaring work using flaring tool as shown below.

[Unit:mm]

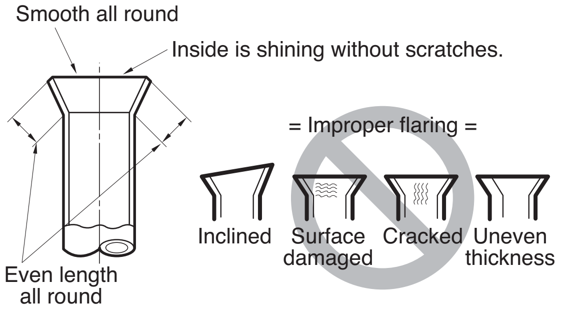
Indoor unit [kW(Btu/h]	Pipe		" A "	
	Gas	Liquid	Gas	Liquid
≤5.6(19,100)	Ø12.7	Ø6.35	1.6~1.8	1.1~1.3
<16.0(54,600)	Ø15.88	Ø9.52	1.6~1.8	1.5~1.7
≤22.4(76,400)	Ø19.05	Ø9.52	1.9~2.1	1.5~1.7

Firmly hold copper tube in a bar(or die) as indicated dimension in the table above.



4) Check

- Compare the flared work with figure below.
- If flare is noted to be defective, cut off the flared section and do flaring work again



5) Pipe connection

1. Follow the pipe path. Bend the pipe more than 3 times in 1 location and do not bend in the opposite direction. (This will strengthen the pipe.)
2. After deforming the pipe, align the union fitting and center of the pipe, and tighten it with the wrench.
3. Connect the pipe to the service valve of the outside unit.
4. After finishing the piping work, check if there is any gas leakage
5. For the flare nut, always use the material that complies with Standard or better.
6. After completing the connection of the pipe, vacuum dry the indoor unit and the connecting pipe. For the vacuum drying, you must use service ports of both the gas and liquid pipes.

Pipe Size	Tightening Torque	
(mm)	(N·m)	(kgf·cm)
Ø6.35	18~25	180~250
Ø9.52	34~42	340~420
Ø12.7	55~66	550~660
Ø15.88	63~82	630~820
Ø19.05	99~121	990~1,210

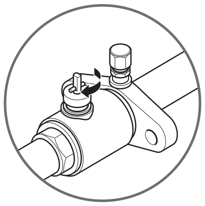
⚠ CAUTION

When using two wrenches, tighten at regulated torque

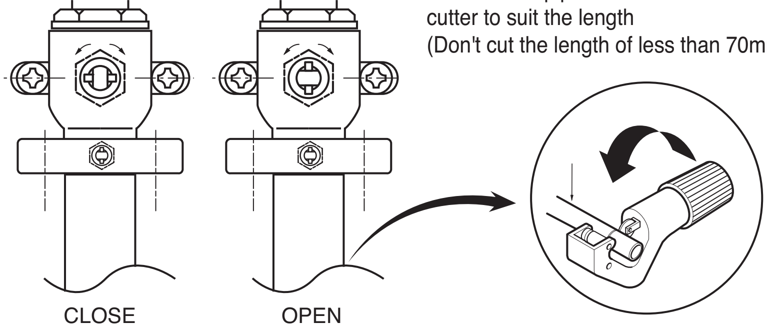
* For the pipe connection, use the method of connecting the end of the pipe to the branch pipe. The refrigerant pipe coming out from the outside unit is branched out at the end and is individually connected to the indoor unit.

⚠ WARNING

- Always be careful not to leak the refrigerant during the welding.
- When the refrigerant is combusted, it generates a toxic poisonous gas.
- Do not execute the welding work in a closed location.
- Always do a leakage test after welding the pipes.



Open status when both the pipe and the valve are in a straight line.



Cut both the pipe and the valve with a cutter to suit the length
(Don't cut the length of less than 70mm)

⚠ WARNING

After completing work, securely tighten both service ports and caps so that gas does not leak.

6. Installation

* High/low pressure side is the ball valve that is opened and closed by 1/4 rotation

① Pipe joint (auxiliary parts): Securely perform brazing with a nitrogen blow into the service valve port.(Releasing pressure : 0.02 MPa or less)

② Flare nut: Loose or tighten flare nut by using the wrench with both ends. Coat the flare connection part with oil for the compressor.

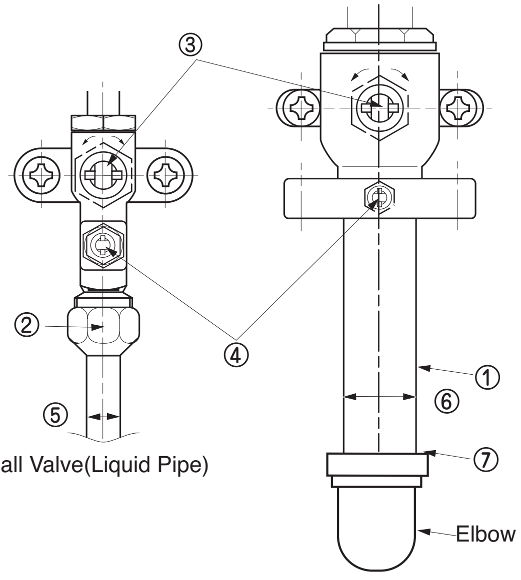
③ Cap: Remove caps and operate valve, etc. After operation, always reattach caps (tightening torque of valve cap: 25Nm (250kg-cm) or more).
(Don't remove the internal part of the port)

④ Service port: Make the refrigerant pipe vacuum and charge it using the service port. Always reattach caps after completing work (tightening torque of service cap: 14Nm (140kg-cm) or more).

⑤ Liquid pipe

⑥ Gas pipe

⑦ Elbow joint (field supply)



Ball Valve(Liquid Pipe)

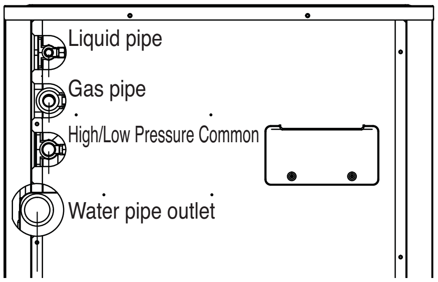
Ball Valve(Gas Pipe)

⚠ CAUTION

After installing the pipe, block the pipe escape of front and side panel. (It can cause mouse or other animals to enter and cause damage to the wire.)

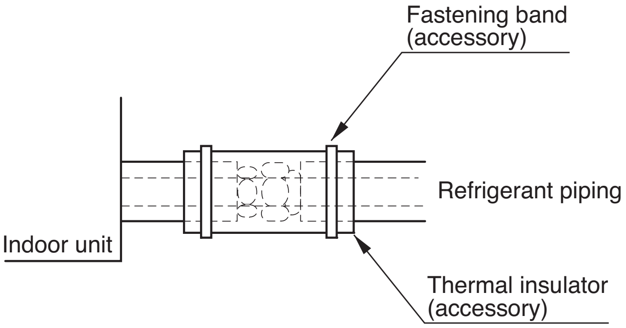
❊ Remove the front panel before pipe connection

❊ Must check the pipe (liquid pipe, gas pipe, high/low pressure common pipe) before pipe connection



6) Heat Insulation

1. Use the heat insulation material for the refrigerant piping which has an excellent heat-resistance (Over 120°C)
2. When installing in a humid environment, use thicker heat insulation material.
   * Consult with LG on detailed technical specification.



7) Standard refrigerant pipe EPDM heat insulation material thickness

[Unit:mm]

Classification		Air conditioned location		Non-air conditioned location	
		Note1) General location	Note2) Special location	Note3) General location	Note4) Negative condition
Liquid pipe	Ø6.35	Above t9	Above t9	Above t9	Above t9
	Ø9.52				
	Above Ø12.7	Above t13	Above t13	Above t13	Above t13
Gas pipe	Ø9.52	Above t13	Above t19	Above t19	Above t25
	Ø12.7				
	Ø15.88				
	Ø19.05				
	Ø22.22				
	Ø25.4				
	Ø28.58	Above t19			
	Ø31.75		Above t25	Above t25	
	Ø34.9				
	Ø38.1				
	Ø44.45				

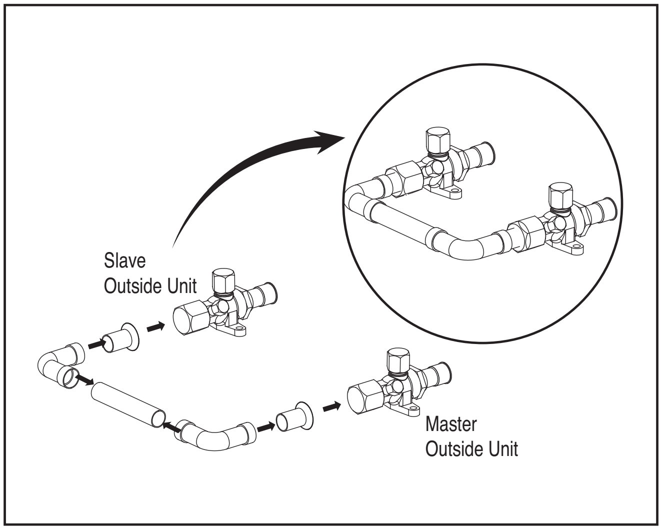
Note 1) General location: When the pipe passes through indoors in which the indoor unit is operated
- Apartment, classroom, office, mall, hospital, office-tel etc.

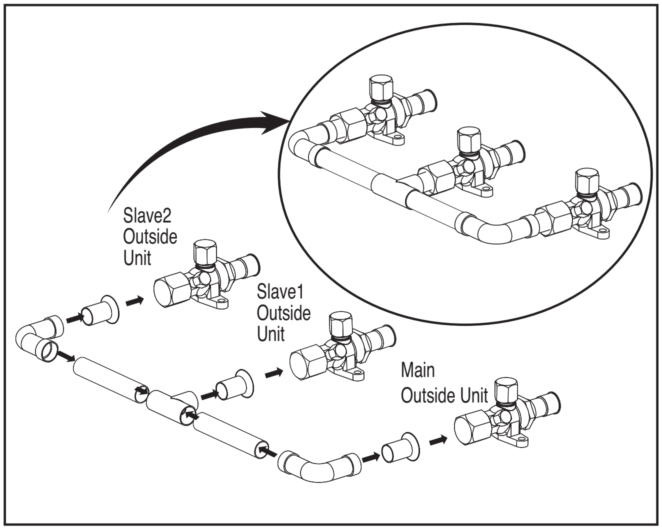
Note 2) Special location
1. When the location is air conditioned but has severe temperature/humidity difference due to high ceiling
   - Church, auditorium, theater, lobby etc.
2. When the location is air conditioned but the internal temperature/humidity of the ceiling finishing is high
   - Bathroom/swimming pool locker room etc. (Building with roof ceiling of sandwich assembly type)

Note 3) General location: When the pipe passes indoors where the indoor unit is not operated
- Hall way etc. (Dormitory, school, office-tel)

Note 4) Negative condition: When below conditions 1 and 2 are met.
1. When the pipe passes indoors where the indoor unit is not operated
2. When the humidity is high, regionally, and there is no air flow in the pipe passing area
   - When installing the outside unit within the outside pipe tray or at a location where it is ok to have freezes, apply 13t.
   - If you are not sure with the selection of heat insulation material, coordinate with the supervision or HQ.
   - The thickness of the above heat insulation material is based on the heat conductivity of 0.088W/m°C.

8) Connection of high/low pressure common pipe



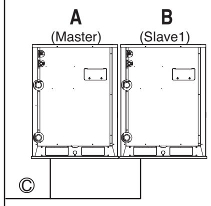
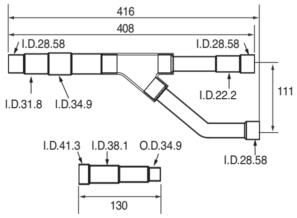
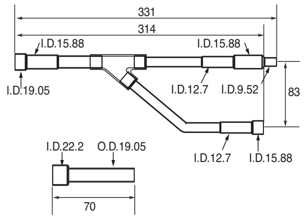
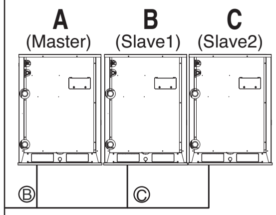
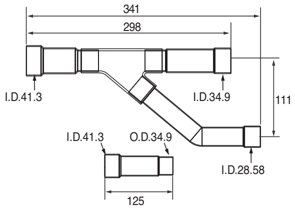
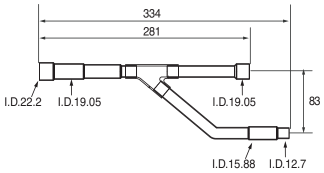
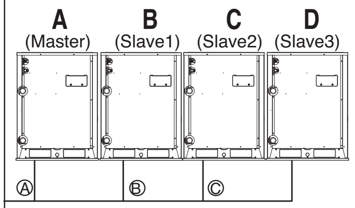
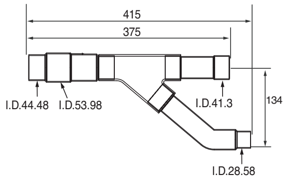
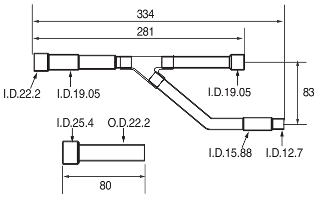


2 Outside Units **3 Outside Units**

1. For the high/low pressure common pipe, connect both master outside unit and slave outside units to the pipe by using elbows.
2. For cutting the pipe, connect the high/low pressure common pipe after removing burrs, dusts and foreign material within the pipe. Otherwise, the product may not operate due to sludge within the pipe.
3. For the working part leakage test, apply the nitrogen gas pressure of 3.8MPa (38.7kgf/cm^2).
4. The vacuum criteria is to maintain the vacuum level to less than 5 Torr 1 hour after reaching 5 Torr. (Execute the vacuum work again when it is below the criteria.)
5. Open the valve with the hexagon wrench.

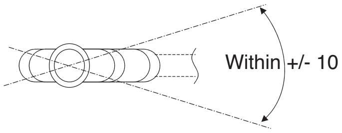
9) Connecting branch pipe between outside units

[Unit:mm]

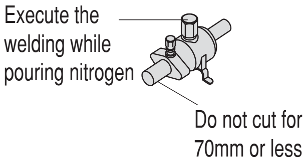
Outdoor units		Model	Gas pipe	Liquid pipe
2 Unit		Ⓒ ARCNN21		
3 Unit		Ⓑ ARCNN31		
4 Unit		Ⓐ ARCNN41		

* Maximum number of connectable units could be different in accordance with model line up of target region.

* Install the branch pipe between outside units so that the outlet pipe is parallel to the surface.



Viewed from point A
in direction of arrow



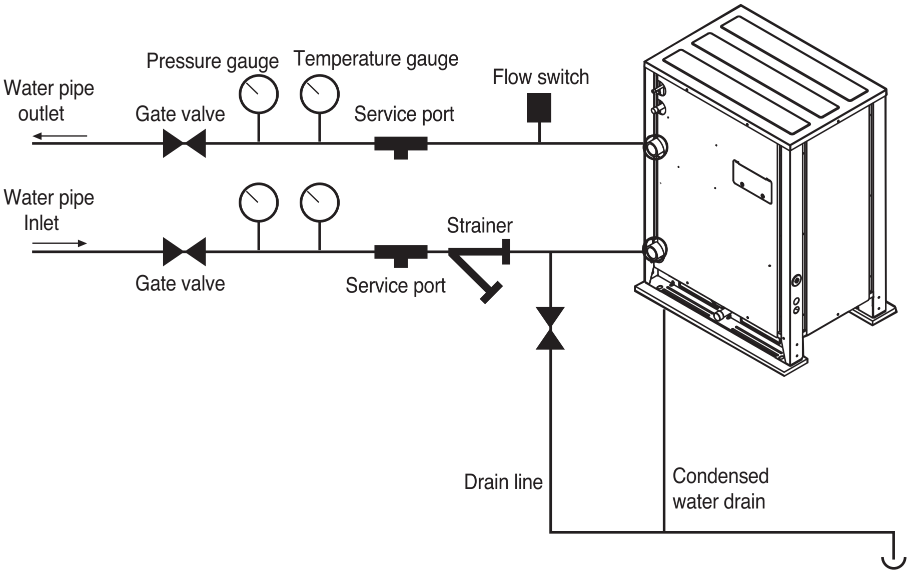
⚠ CAUTION

When installing the branch pipe vertically between the outside units, the refrigerant can be uneven between the outside units, leading to compressor burn and reduced capacity

10) Installation of water pipe

1. Water pipe system diagram

- The water pressure resistance of the water pipe system of this product is 1.98MPa
- When the water pipe passes indoors, make sure to execute heat insulation on the pipe so that water drops do not form on the outer side of the water pipe.
- The size of the drain pipe must be equal to or larger than the diameter of the connecting product.
  - Always install a trap so that the drained water does not back flush.
- Always install a strainer (50Mesh or above) at the entrance of the water pipe. (When sand, trash, rusted pieces get mixed into the water supply, it can cause problems to the product due to blocking)
  - If On/Off valve is applied, by interlocking with outside unit, it can save the energy consumption of pump by blocking the water supply to the outside unit not operating.
    Select appropriate valve and install on site if necessary.
- Install a pressure gauge and temperature gauge at the inlet and outlet of the water pipe.
- Flexible joints must be installed not to cause any leakage from the vibration of pipes.
- Install a service port to clean the heat exchanger at the each end of the water inlet and outlet.
- For the components of the water pipe system, always use components above the designed water pressure.
- For protecting the heat exchanger, it should be installed the flow switch.



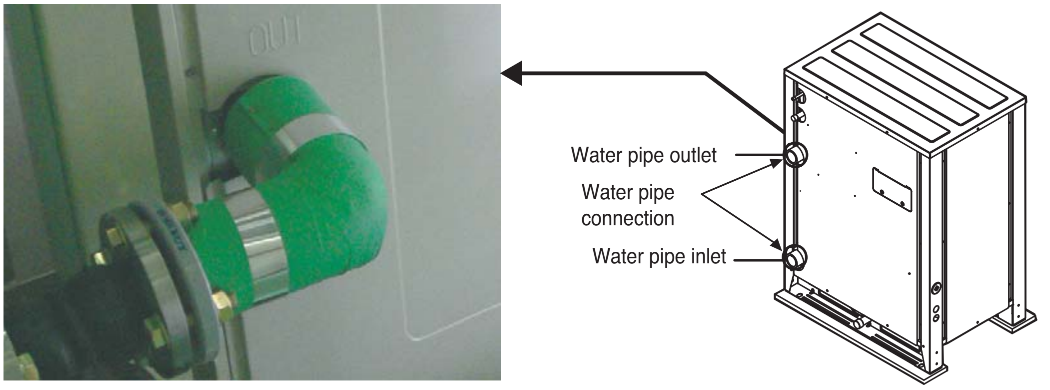
⚠ CAUTION

**Do not directly connect the drain outlet to the water pipe outlet.
(It can cause problems to the product.)**

2. Water pipe connection

- The water pipe should be the same size of the connection on the product or more.
- If necessary install the insulation material in the water pipe inlet/outlet to prevent water drop, freeze and to save energy. (Use the above 20mm thickness Pe insulation material.)
- Tightly connect the socket to the water pipe refer to below table for recommended specification.
  (Too much torque may cause the damage of the facility.)

Pipe thickness		Shear stress		Tensile stress		Bending moment		Torque	
mm	inch	(kN)	(kgf)	(kN)	(kgf)	(N·m)	(kgf·m)	(N·m)	(kgf·m)
12.7	1/2	3.5	350	2.5	250	20	2	35	3.5
19.05	3/4	12	1,200	2.5	250	20	2	115	11.5
25.4	1	11.2	1,120	4	400	45	4.5	155	15.5
31.8	1 1/4	14.5	1,450	6.5	650	87.5	8.75	265	26.5
38.1	1 1/2	16.5	1,700	9.5	950	155	16	350	35.5
50.8	2	21.5	2,200	13.5	1,400	255	26	600	61



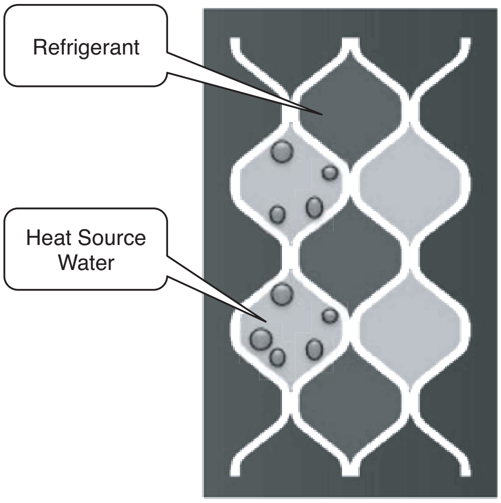
7. Device protection unit

7.1 Strainer on water pipe

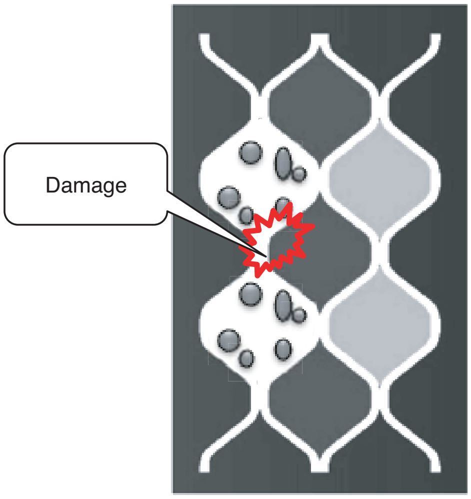
To protect the water cooling type product, you must install a strainer with 50 mesh or more on the heat water supply pipe. If not installed, it can result in damage of heat exchanger by the following situation.

1. Heat water supply within the plate type heat exchanger is composed of multiple small paths.
2. If you do not use a strainer with 50 mesh or more, alien particles can partially block the water paths.
3. When running the heater, the plate type heat exchanger plays the role of the evaporator, and at this time, the temperature of the coolant side drops to drop the temperature of the heat water supply, which can result in icing point in the water paths.
4. And as the heating process progresses, the water paths can be partially frozen to lead to damage in plate type heat exchanger.
5. As a result of the damage of the heat exchanger from the freezing, the coolant side and the heat water source side will be mixed to make the product unusable.

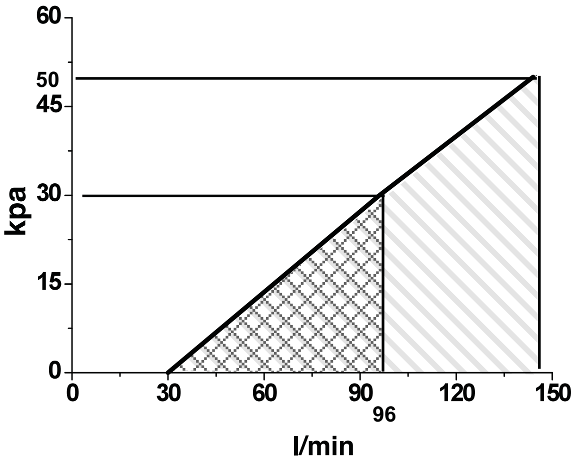
1. Pollution of Heat Source



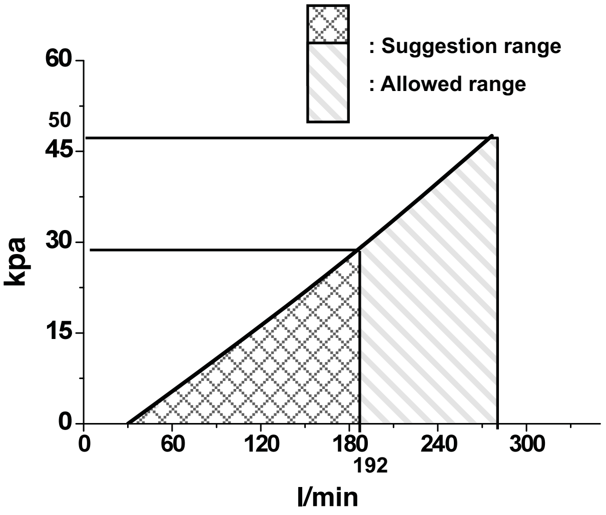
2. Partially frozen



Head loss of strainer on water pipe



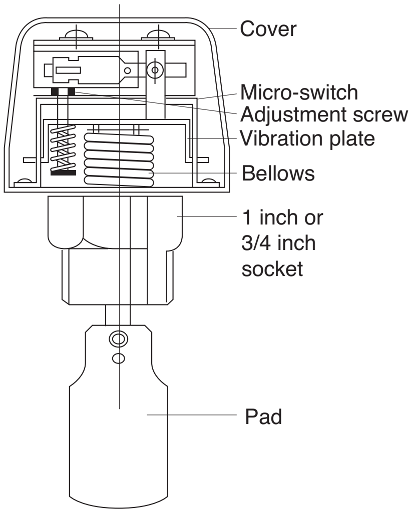
8/10/12/14 HP



16/18/20 HP

❈ Upper graph is a theoretical value for selection and it may be different according to specification of strainer.
❈ Application for models could be different in accordance with model line up of target region.

7.2 Flow switch work

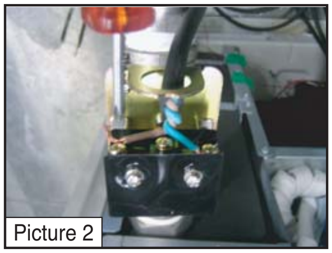


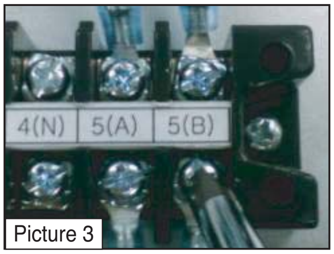
- The flow switch must be installed at the horizontal water pipe of the outside unit outlet connection.
  (Flow switch acts as the 1st protection device when the heat water is not supplied. If a certain level of water does not flow after installing the flow switch, an error sign of CH24 error will be displayed on the product and the product will stop operating.)
- When setting the flow switch, it is recommended to use the product with default set value to satisfy the minimum flow rate of this product.
  (The minimum flow rate range is 50% of product rated water flow.
  Refer to the specification of each model)
- Select the flow switch with the permitted pressure specification considering the pressure specification of the heat water supply system.
  (Control signal from outside unit is AC 220V.)

7.3 Installation of flow switch

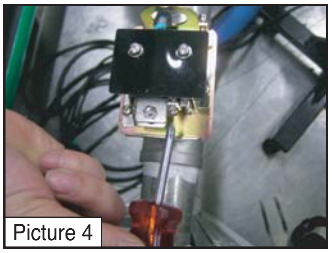
- The flow switch must be installed at the horizontal pipe of the heat water supply outlet of the product and check the direction of the heat water flow before the installation. (Picture 1)
- When connecting the flow switch to the product, remove the jump wire to connect to the communication terminal (5(A) and 5(B)) of the outside unit control box. (Picture 2, 3) (Open the cover of the flow switch and check the wiring diagram before connecting the wires. The wiring method can differ by the manufacturer of the flow switch.)
- If necessary, adjust the flow rate detection screw after consulting with an expert and adjust to the minimum flow rate range. (Picture 4) (Minimum flow rate range of this product is 50%. Adjust the flow switch to touch the contact point when the flow rate reaches 50% of the flow rate.)
  - Refer to the specification of each model.


Picture 1


Picture 2



Picture 3


Picture 4

⚠ CAUTION

- If the set value does not satisfy the minimum flow rate or if the set value is changed by the user arbitrarily, it can result in product performance deterioration or serious product problem.
- If the product is operated with the heat water supply not flowing smoothly, it can damage the heat exchanger or cause serious product problems.
- In case of CH24 or CH180 error, there is a possibility that the plate type heat exchanger is partially frozen inside. In this case resolve the issue of partial freezing and then operate the product again. (Cause of partial freezing : Insufficient heat water flux, water not supplied, insufficient coolant, alien particle penetrated inside plate type heat exchanger)
- When the product operates while the flow switch touches the contact point at the flow rate range out of the permitted range, it can cause product performance deterioration or serious product problem.
- Must use the normal closed type flow switch
  - Circuit of outside unit is normal closed type

Installation of Outside Units

8. Refrigerant piping system

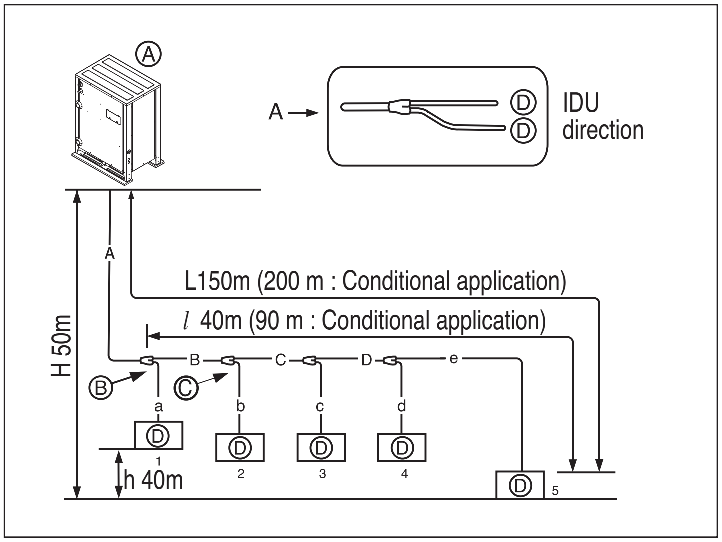
8.1 Refrigerant piping system

Y branch method

Single outside unit system

Example : 5 Indoor Units connected

Ⓐ : Outside Unit
Ⓑ : 1st branch
Ⓒ : Y branch
Ⓓ : Indoor Unit
Ⓔ : Header branch
Ⓕ : Suture

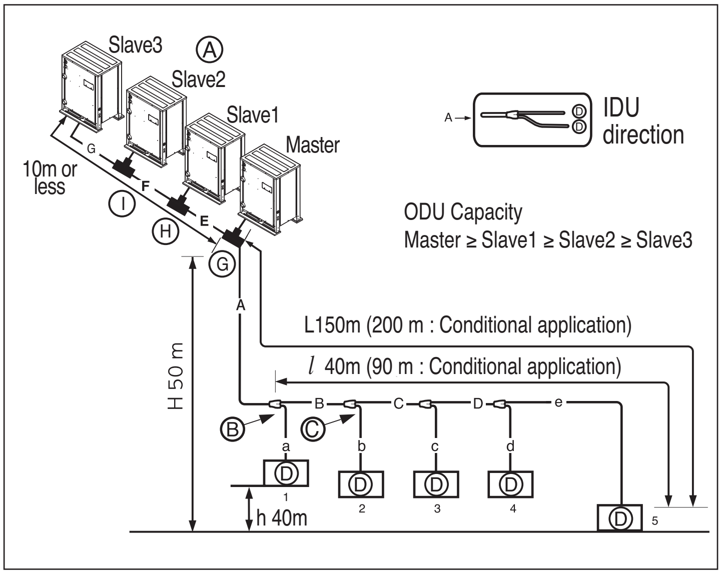


* If it is conditionally installed, refer to (table 1).

Series outside unit system

Example : 5 Indoor Units connected

Ⓐ : Outside Unit
Ⓑ : 1st branch
Ⓒ : Y branch
Ⓓ : Indoor Unit
Ⓔ : Header branch
Ⓕ : Suture
Ⓖ : Outside branch(1st)
Ⓗ : Outside branch(2nd)
Ⓘ : Outside branch(3rd)

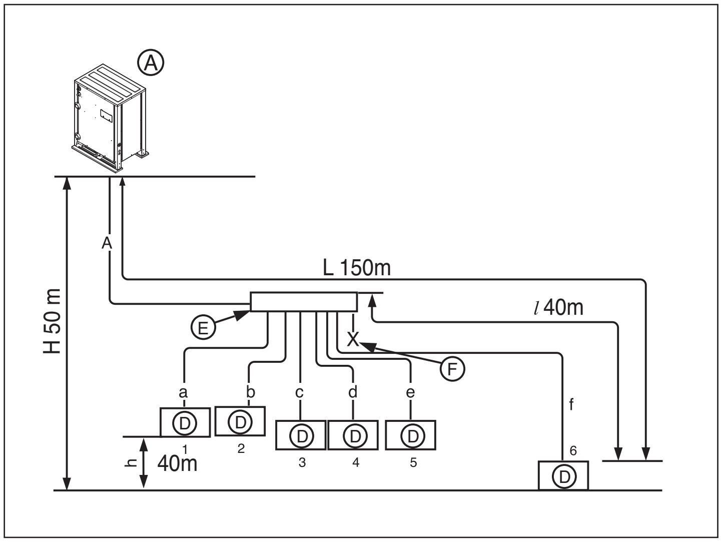


* If it is conditionally installed, refer to (table 1).

Header Method

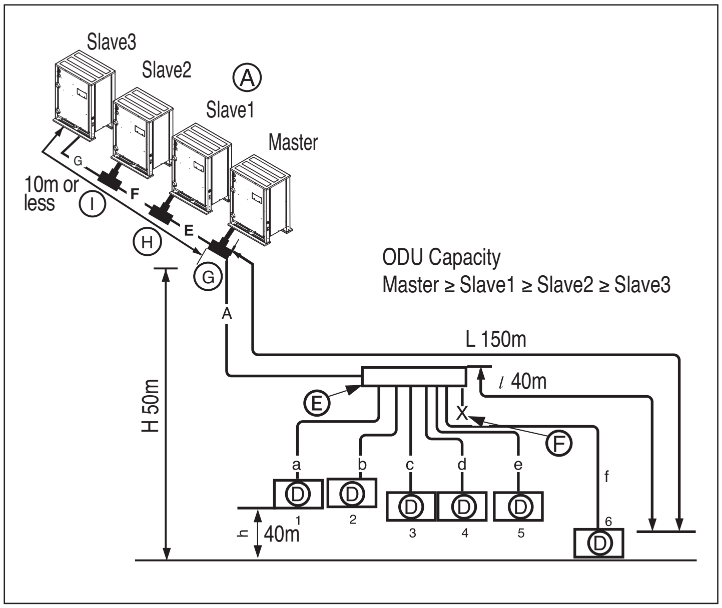
Single outside unit system
Example : 6 Indoor Units connected

Ⓐ : Outside Unit
Ⓑ : 1st branch
Ⓒ : Y branch
Ⓓ : Indoor Unit
Ⓔ : Header branch
Ⓕ : Suture



Series outside unit system
Example : 6 Indoor Units connected

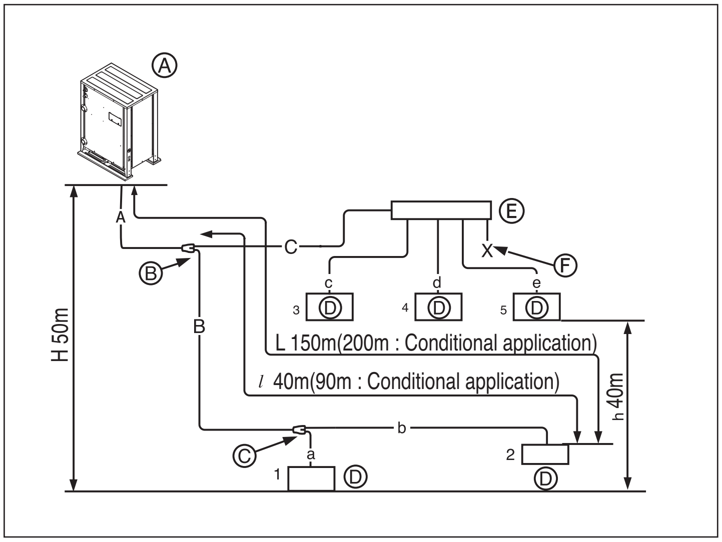
Ⓐ : Outside Unit
Ⓑ : 1st branch
Ⓒ : Y branch
Ⓓ : Indoor Unit
Ⓔ : Header branch
Ⓕ : Suture
Ⓖ : Outside branch(1st)
Ⓗ : Outside branch(2nd)
Ⓘ : Outside branch(3rd)



Combination of Y branch/header method

Single outside unit system
Example : 5 Indoor Units connected

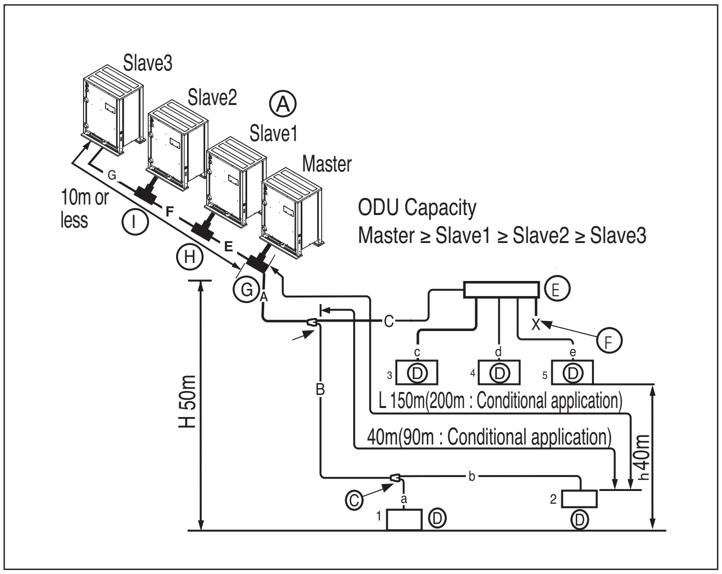
Ⓐ : Outside Unit
Ⓑ : 1st branch
Ⓒ : Y branch
Ⓓ : Indoor Unit
Ⓔ : Header branch
Ⓕ : Suture



* If it is conditionally installed, refer to (table 1).

Series outside unit system
Example : 5 Indoor Units connected

Ⓐ : Outside Unit
Ⓑ : 1st branch
Ⓒ : Y branch
Ⓓ : Indoor Unit
Ⓔ : Header branch
Ⓕ : Suture
Ⓖ : Outside branch(1st)
Ⓗ : Outside branch(2nd)
Ⓘ : Outside branch(3rd)



* If it is conditionally installed, refer to (table 1).

➲ Refrigerant pipe diameter from branch to branch (B,C,D)

Downward Indoor Unit total capacity [kW(Btu/h)]	Liquid pipe [mm(inch)]	Gas pipe [mm(inch)]
≤ 5.6(19,100)	Ø6.35(1/4)	Ø12.7(1/2)
< 16.0(54,600)	Ø9.52(3/8)	Ø15.88(5/8)
≤ 22.4(76,400)	Ø9.52(3/8)	Ø19.05(3/4)
< 33.6(114,700)	Ø9.52(3/8)	Ø22.2(7/8)
< 50.4(172,000)	Ø12.7(1/2)	Ø28.58(1-1/8)
< 67.2(229,400)	Ø15.88(5/8)	Ø28.58(1-1/8)
< 72.8(248.500)	Ø15.88(5/8)	Ø34.9(1-3/8)
< 100.8(344,000)	Ø19.05(3/4)	Ø34.9(1-3/8)
< 173.6(592,500)	Ø19.05(3/4)	Ø41.3(1-5/8)
< 184.8(630,700)	Ø22.2(7/8)	Ø44.5(1-3/4)
≤ 252.0 (859,600)	Ø22.2(7/8)	Ø53.98(2-1/8)

➲ Total pipe length limited

Classification	Section	Type	Y branch	Y/header branch	Header branch
Maximum permitted length	Outside Unit ↔ indoor unit	Maximum pipe length(L)	A+B+C+D+e ≤ 150 m (Conditionally 200 m)*	A+B+b ≤ 150 m A+C+e ≤ 150 m (Conditionally 200m)*	A+f ≤ 150 m
		Corresponding pipe length	175 m (Conditionally 225 m)*	175 m (Conditionally 225 m)*	175 m
		Total pipe length (Outside Unit ↔ total indoor unit)	300 m (Conditionally 500 m)*	300 m (Conditionally 500 m)*	300 m (Conditionally 500 m)*
Permitted height	Outside Unit ↔ indoor unit	height difference(H)	50 m	50 m	50 m
	Indoor unit ↔ indoor unit	height difference(h)	40 m	40 m	40 m
Maximum pipe length after 1st branch		Actual pipe length(l)	40 m (Conditionally 90m)*	40 m (Conditionally 90m)*	40 m

⚠ WARNING

- It is recommended that difference of piping length for pipes connected to the Indoor Unit is minimized. Performance difference between Indoor Units may occur.
- When the any one (or both) of below conditions are satisfied, the diameter of main pipe (A) must be increased according to below table.
  - The equivalent length between outside unit and the farthest indoor unit is 90m or more (Liquid and Gas pipes are increased)

➲ Refrigerant pipe diameter from outside unit to first branch. (A, E, F, G)

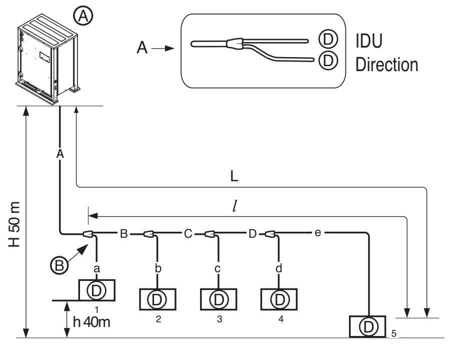
Upward outside unit total capacity	Standard pipe diameter		Increased pipe diameter When equivalent pipe length from the outside unit to farthest indoor unit is 90m and over	
HP	Liquid pipe [mm(inch)]	Gas pipe [mm(inch)]	Liquid pipe [mm(inch)]	Gas pipe [mm(inch)]
8	Ø 9.52(3/8)	Ø 22.2(7/8)	Ø 12.7(1/2)	not increased
10	Ø 9.52(3/8)	Ø 22.2(7/8)	Ø 12.7(1/2)	Ø 25.4(1)
12	Ø 12.7(1/2)	Ø 25.4(1)	Ø 15.88(5/8)	Ø 28.58(1-1/8)
14	Ø 12.7(1/2)	Ø 25.4(1)	Ø 15.88(5/8)	Ø 28.58(1-1/8)
16 ~ 20	Ø 12.7(1/2)	Ø 28.58(1-1/8)	Ø 15.88(5/8)	Ø 31.8(1-1/4)
22 ~34	Ø 19.05(3/4)	Ø 34.9(1-3/8)	Ø 22.2(7/8)	Ø 38.1(1-1/2)
36 ~ 60	Ø 19.05(3/4)	Ø 41.3(1-5/8)	Ø 22.2(7/8)	not increased
62 ~ 64	Ø 22.2(7/8)	Ø 44.5(1-3/4)	Ø 25.4(1)	Ø 53.98(2-1/8)
66 ~ 80	Ø 22.2(7/8)	Ø 53.98(2-1/8)	Ø 25.4(1)	not increased

* If the step up size is not available, you can not select the next higher size available.

◆ (Table 1) Cautions during the installation of Maximum pipe length 90m after the 1st branch

⚠ WARNING

To install maximum pipe length after the 1st branch exceeding 40 m and 90 m or less, the following conditions must be satisfied.

	Required	Example	
1	Select the diameter of the pipe between the 1st branch and the last branch to be 1 level larger. Provided that, it is not necessary if the pipe diameter is the same as the main pipe.	40 m < B+C+D+e ≤ 90 m → Change B, C, and D pipe diameter.	Ø6.35 → Ø9.52, Ø9.52 → Ø12.7, Ø12.7 → Ø15.88, Ø15.88 → Ø19.05, Ø19.05 → Ø22.2, Ø22.2 → Ø25.4, Ø25.4 → Ø28.58, Ø28.58 → Ø31.8, Ø31.8 → Ø34.9, Ø34.9 → Ø38.1
2	During the calculation of the total refrigerant pipe length, the above pipe length shall be calculated as twice.	A+Bx2+Cx2+Dx2+a+b+c+d+e ≤ 500 m	
3	The length from each indoor unit to the nearest branch pipe ≤ 40 m	a,b,c,d,e ≤ 40 m	
4	Length from outside unit to the farthest indoor unit] – [Length from outside unit to the nearest indoor unit] ≤ 40 m	(A+B+C+D+e)-(A+a) ≤ 40 m	

◆ Cautions for Y branch pipe

⚠ WARNING

If the pipe diameter(B, C) connected after the 1st branch is larger than the main pipe diameter(A), install the pipe diameter(B, C) connected after the 1st branch to be the same as the main pipe diameter(A).

Example) If indoor units are connected 120 % to 29 kW

- Outside unit main pipe diameter(A): (Gas pipe) (Fluid pipe)
- Pipe diameter(B, C) after the 1st branch according to 120% indoor unit combination(34.8kW): (Gas pipe) (Fluid pipe)
  Therefore, select the pipe diameter(B, C) after the 1st branch to be main pipe diameter(A) (Gas pipe) (Fluid pipe)

◆ Cautions for header branch pipe

⚠ WARNING

- It is recommended to install the difference between the length of the pipe after header branch(a~f) and the length of the pipe connected to indoor unit to be the minimum.
- As the pipe length difference increases, there may be performance differences between indoor units.
- Y branch and header branch cannot be used after header branch.

8.2 Indoor unit connection

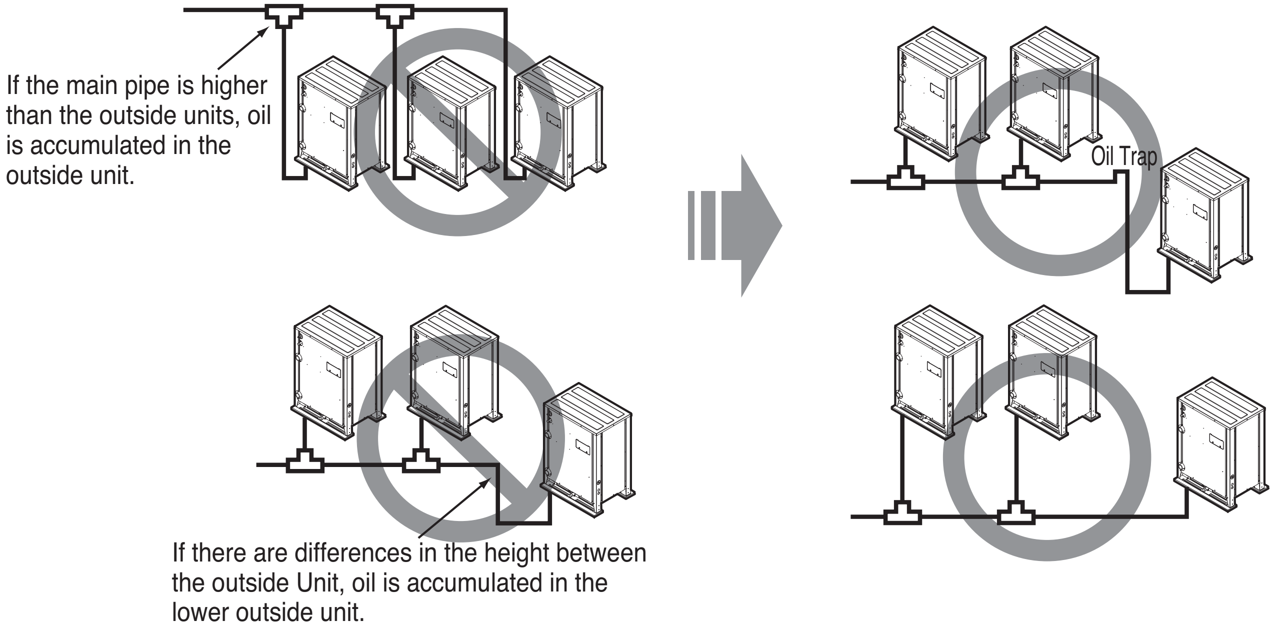
➔ Indoor unit connecting pipe from branch (a~f)

Indoor unit capacity [kW(Btu/h)]	Liquid pipe [mm(inch)]	Gas pipe [mm(inch)]
≤ 5.6(19,100)	Ø6.35(1/4)	Ø12.7(1/2)
< 16.0(54,600)	Ø9.52(3/8)	Ø15.88(5/8)
≤ 22.4(76,400)	Ø9.52(3/8)	Ø19.05(3/4)
< 33(112,600)	Ø9.52(3/8)	Ø22.2(7/8)

8.3 Oil trap application method between outside units

- Because of the possibility of oil being accumulated in the outside unit that has stopped, when there is a height difference between outside unit pipes or if the pipe distance between the outside units is over 2m, you must always apply an oil trap. (But, the oil trap between outside units is limited to 1 time and is only applied to the gas pipe.)
- If the pipe distance between the outside units is 2m or below, and if the location of the main pipe is lower than that of the outside unit and if the location of the main pipe is lower than that of the outside unit, the oil trap does not have to be applied.
- If the location of the main pipe is higher than the location of the outside unit, be careful since the oil can be accumulated in the stopped outside unit.
- If there is high/low difference between the outside unit pipes, oil can be accumulated to the outside unit on the lower location until the unit stops.

Examples of Wrong Pipe Connections

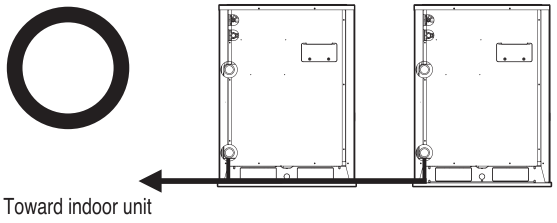


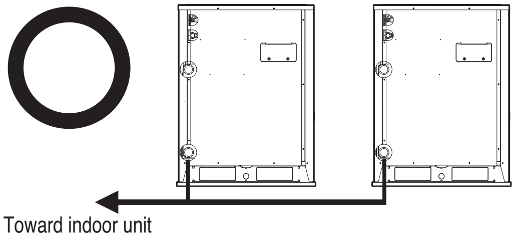
If the main pipe is higher than the outside units, oil is accumulated in the outside unit.

If there are differences in the height between the outside Unit, oil is accumulated in the lower outside unit.

- The pipes between the outside unit must maintain horizontal levelness or give an inclination to prevent a back flow toward the slave outside unit. Otherwise, the unit may not operate properly.

(Example 1)





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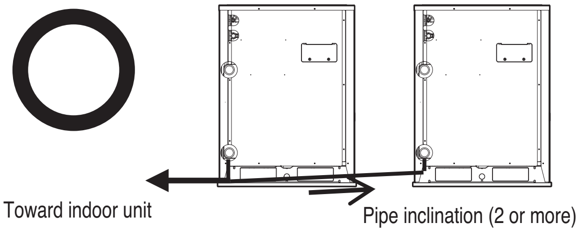

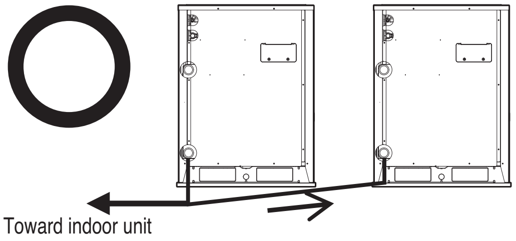

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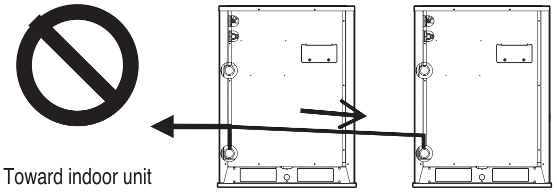
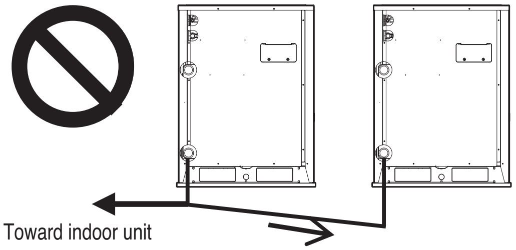
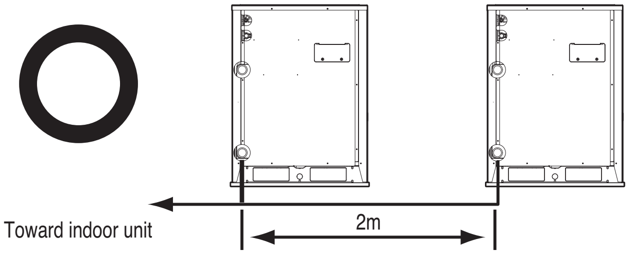




- Apply Oil Trap as shown below when the length of the pipe between the outside units is more than 2m. Otherwise, the unit may not operate properly.

(Example 1)



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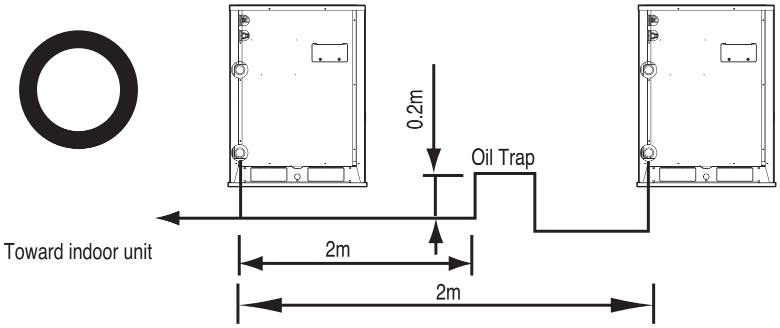
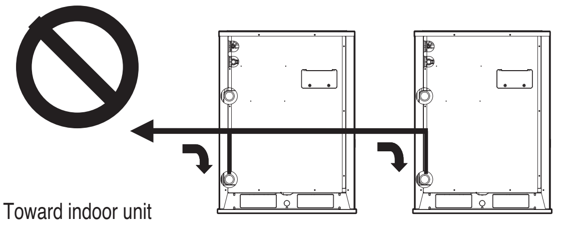
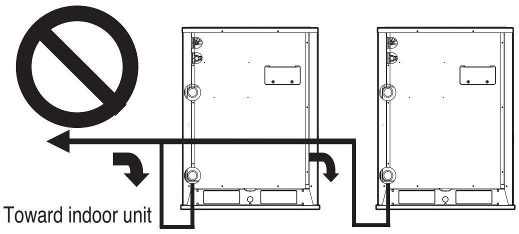


8. Refrigerant piping system

- When connecting the pipes between the outside units, the accumulation of oil in the slave outside unit should be avoided. Otherwise, the unit may not operate properly.

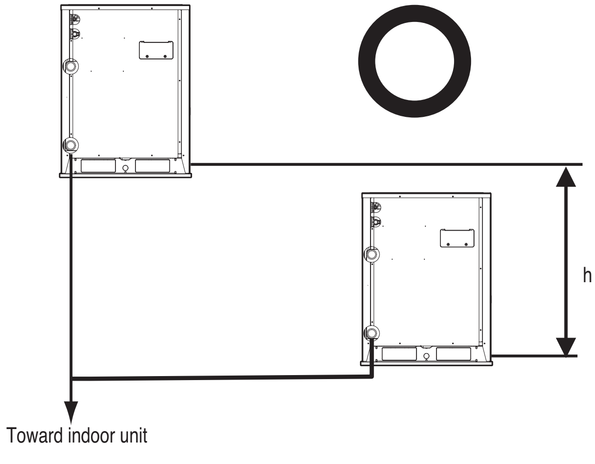
(Example 1)

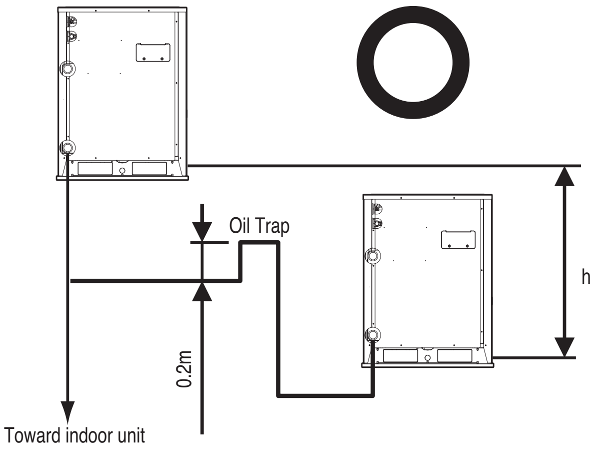




(Example 2)

(Example 3)





8.4 Calculation of amount of refrigerant

The calculation of the additional charge should take into account the length of pipe and CF(correction Factor) value of indoor unit.

Additional charge(kg) = Total liquid pipe :Ø25.4 mm × 0.480(kg/m)
\+ Total liquid pipe :Ø22.2 mm × 0.354(kg/m)
\+ Total liquid pipe :Ø19.05 mm × 0.266(kg/m)
\+ Total liquid pipe :Ø15.88 mm × 0.173(kg/m)
\+ Total liquid pipe :Ø12.7 mm × 0.118(kg/m)
\+ Total liquid pipe :Ø9.52 mm × 0.061(kg/m)
\+ Total liquid pipe :Ø6.35 mm × 0.022(kg/m)
\+ CF value of indoor unit
\+ CF value of outside unit

Note:

1) Please refer to the indoor unit's PDB or the outside unit's installation manual for the additional refrigerant table of indoor units
2) Please refer to the below table for the CF value of outside unit

Region	CF	Voltage	Model name
Central & South America	-1.1 kg (-2.42 lb)	220V	ARWN080BAS4, ARWN100BAS4, ARWN120BAS4, ARWN140BAS4, ARWN160BAS4
		380V	ARWN080LAS4, ARWN100LAS4, ARWN120LAS4, ARWN140LAS4
		460V	ARWN080DAS4, ARWN100DAS4, ARWN120DAS4, ARWN140DAS4
	2.3 kg (5.06 lb)	220V	-
		380V	ARWN160LAS4, ARWN180LAS4, ARWN200LAS4
		460V	ARWN160DAS4, ARWN180DAS4, ARWN200DAS4
Global	-1.1 kg (-2.42 lb)	380V	ARWN080LAS4, ARWN100LAS4, ARWN120LAS4, ARWN140LAS4
	2.3 kg (5.06 lb)		ARWN160LAS4, ARWN180LAS4, ARWN200LAS4

9. Y branch pipe and header branch pipe type

9.1 Y branch pipe

[unit:mm]

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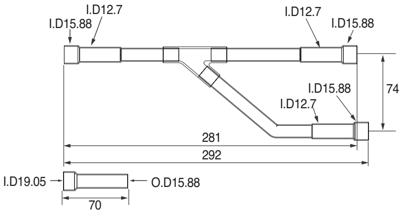

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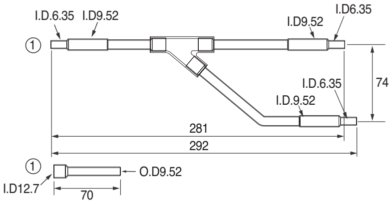

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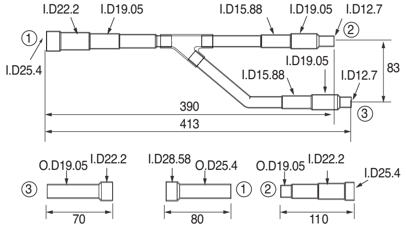

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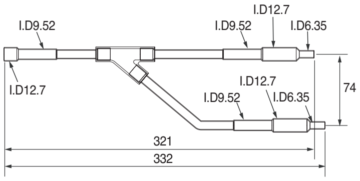

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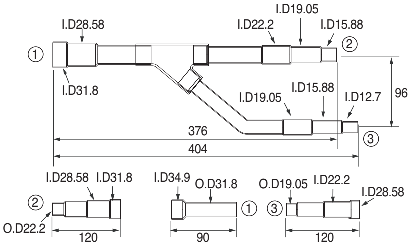

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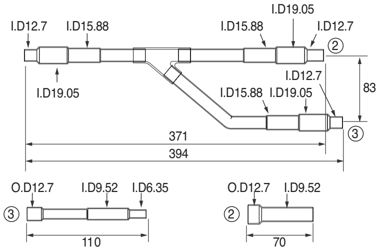

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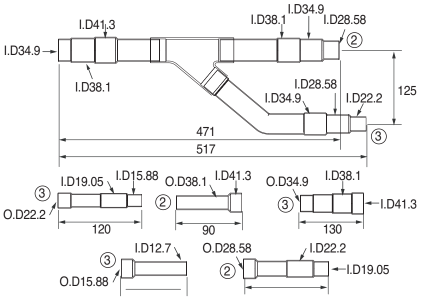

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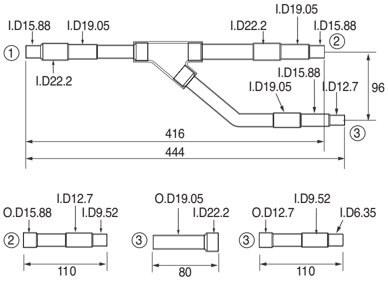

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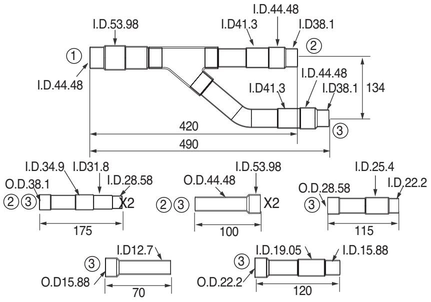

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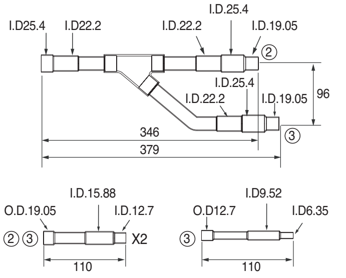

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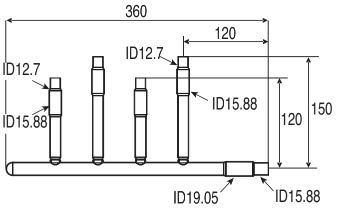
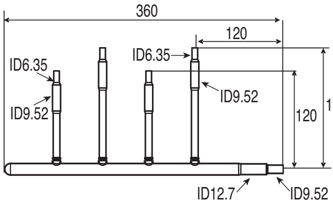
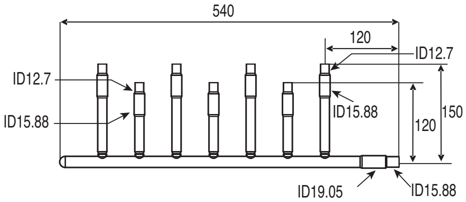
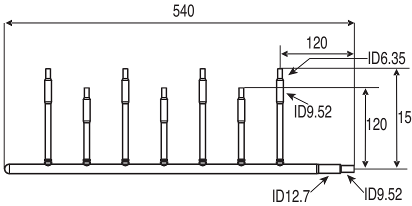
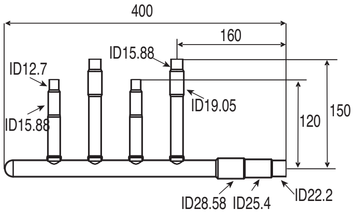
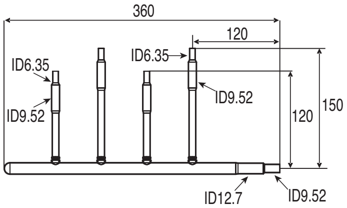
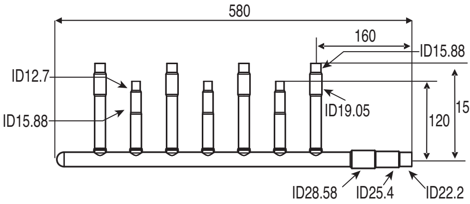
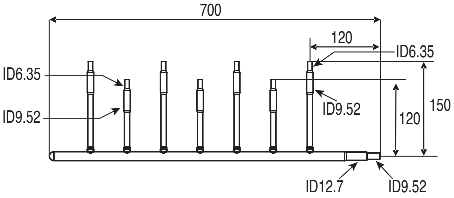
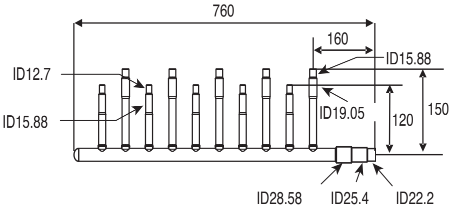
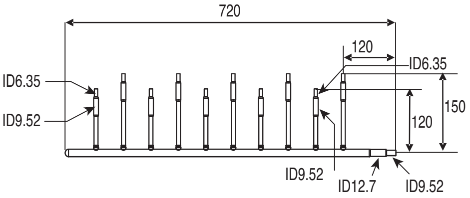
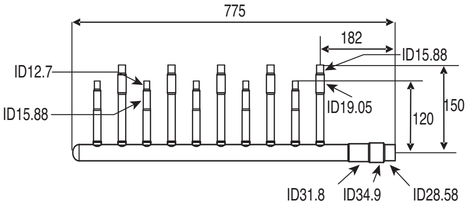
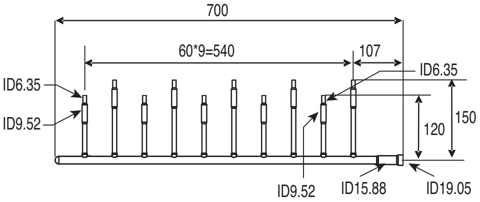
9.2 Header

[unit:mm]

Models	Gas pipe	Liquid pipe
4 branch ARBL054		
7 branch ARBL057		
4 branch ARBL104		
7 branch ARBL107		
10 branch ARBL1010		
10 branch ARBL2010		

10. Electrical Wiring

10.1 Areas of Caution

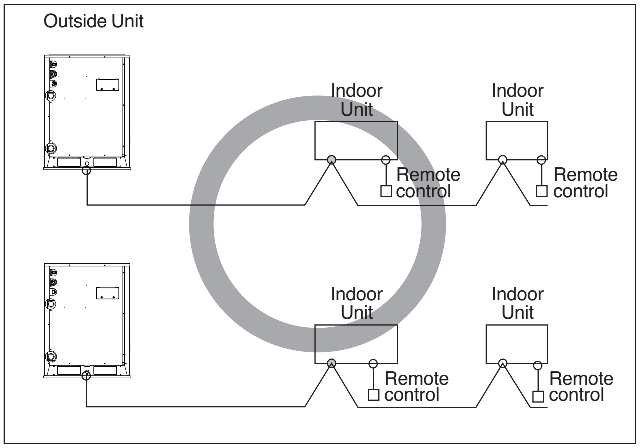
1. Follow ordinance of your governmental organization for technical standard related to electrical equipment, wiring regulations and guidance of each electric power company.

> ⚠ **WARNING**
>
> **Be sure to have authorized Electrical engineers do electric work using special circuits in accordance with regulations and this installation manual. If power supply circuit has a lack of capacity or electric work deficiency, it may cause an electric shock or fire.**

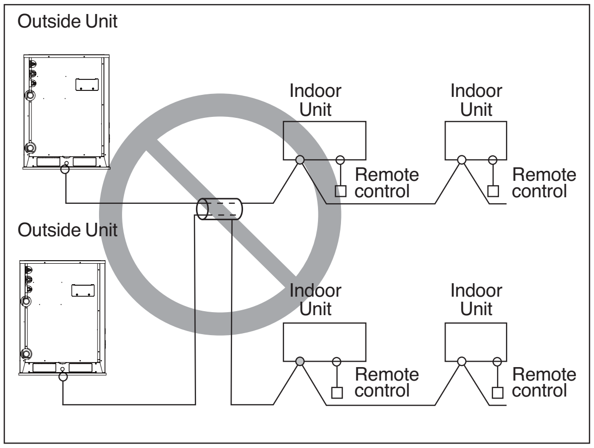
2. Install the outside unit transmission line away from the power source wiring so that it may not affected by electric noise from the power source. (Do not run it through the same conduit.)
3. Be sure to provide designated grounding work to outside unit.

> ⚠ **CAUTION**
>
> **Be sure to correct the outside unit to earth. Do not connect earth line to any gas pipe, water pipe, lightening rod or telephone earth line. If earth is incomplete, it may cause an electric shock.**

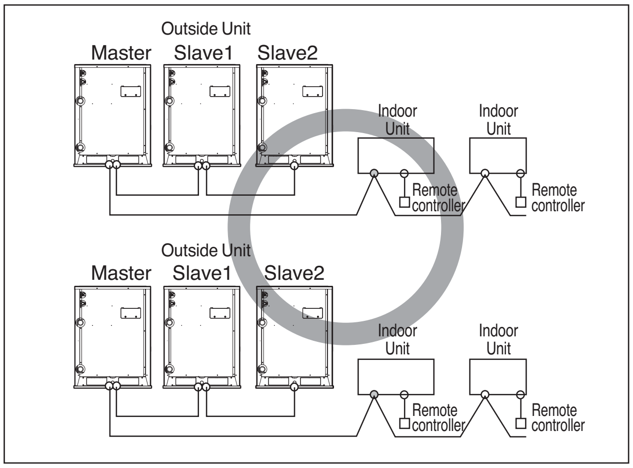
4. Give some allowance to wiring for electrical part box of indoor and outside units, because the box is sometimes removed at the time of service work.
5. Never connect the main power source to terminal block of transmission line. If connected, electrical parts will be burnt out.
6. Use 2-core shield cable for transmission line.(O mark in the figure below) If transmission lines of different systems are wired with the same multiplecore cable, the resultant poor transmission and receiving will cause erroneous operations. (⃠ mark in the figure below)
7. Only the transmission line specified should be connected to the terminal block for outside unit transmission.



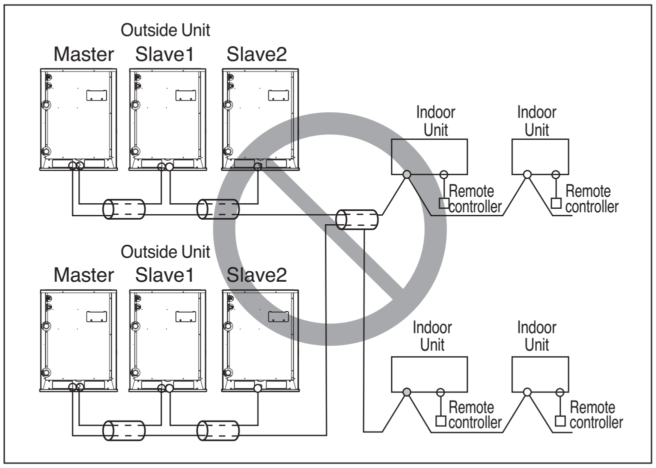
2-core shield cable



Multi-core cable



2-Core Shield Cable



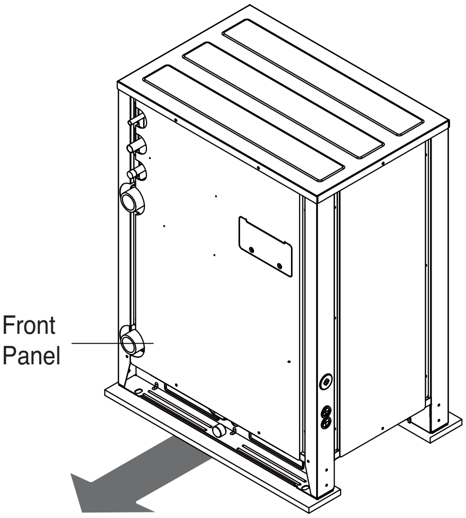
Multi-Core Cable

⚠ WARNING

- **Use the 2-core shield cables for transmission lines. Never use them together with power cables.**
- **The conductive shielding layer of cable should be grounded to the metal part of both units.**
- **Never use multi-core cable**
- **As this unit is equipped with an inverter, to install a phase leading capacitor not only will deteriorate power factor improvement effect, but also may cause capacitor abnormal heating. Therefore, never install a phase leading capacitor.**
- **Keep power imbalance within 2% of the supply rating. Large imbalance will shorten the life of the smoothing capacitor.**
- **Introducing with a missing N-phase or with a mistaken N-phase will break the equipment.**

10.2 Control Box and Wiring Location

- Unscrew all the screw, pull out the panel.
- Connect the transmission wire between outside unit and indoor unit, the connection between outside unit and central controller system pass through the sub PCB for central control.
- When connecting indoor unit with the shield cable, ground at the grounding screw.
  When connecting central controller with the shield cable, ground at the grounding screw.
- Refer to next page about the distance between main power cable and communication cable.
- Refer to 106 page about Auto-Addressing and Test Run.



10.3 Transmission and Power Lines

1) Transmission cable

- Types : shielding wire CVVS or CPEVS
- Use wires of size : 1.0 ~ 1.5 mm^2
- Insulation material : PVC
- Maximum allowable temperature: 60°C
- Maximum allowable line length: under 300m

2) Remote control cable

- Types : 3-core cable

3) Simple central control cable

- Types : 4-core cable (Shielding wire)
- Use wires of size : 1.0 ~ 1.5 mm^2
- Insulation material : PVC

4) Separation of transmission and power lines

- If transmission and power lines are run alongside each other then here is a strong likelihood of operational faults developing due to interference in the signal wiring caused by electrostatic and electromagnetic coupling.

Current capacity of power line		Spacing
100V or more	10A	300mm
	50A	500mm
	100A	1,000mm
	Exceed 100A	1,500mm

Note:

1. The figures are based on assumed length of parallel cabling up to 100m. For length in excess of 100m the figures will have to be recalculated in direct proportion to the additional length of line involved.
2. If the power supply waveform continues to exhibit some distortion the recommended spacing in the table should be increased.

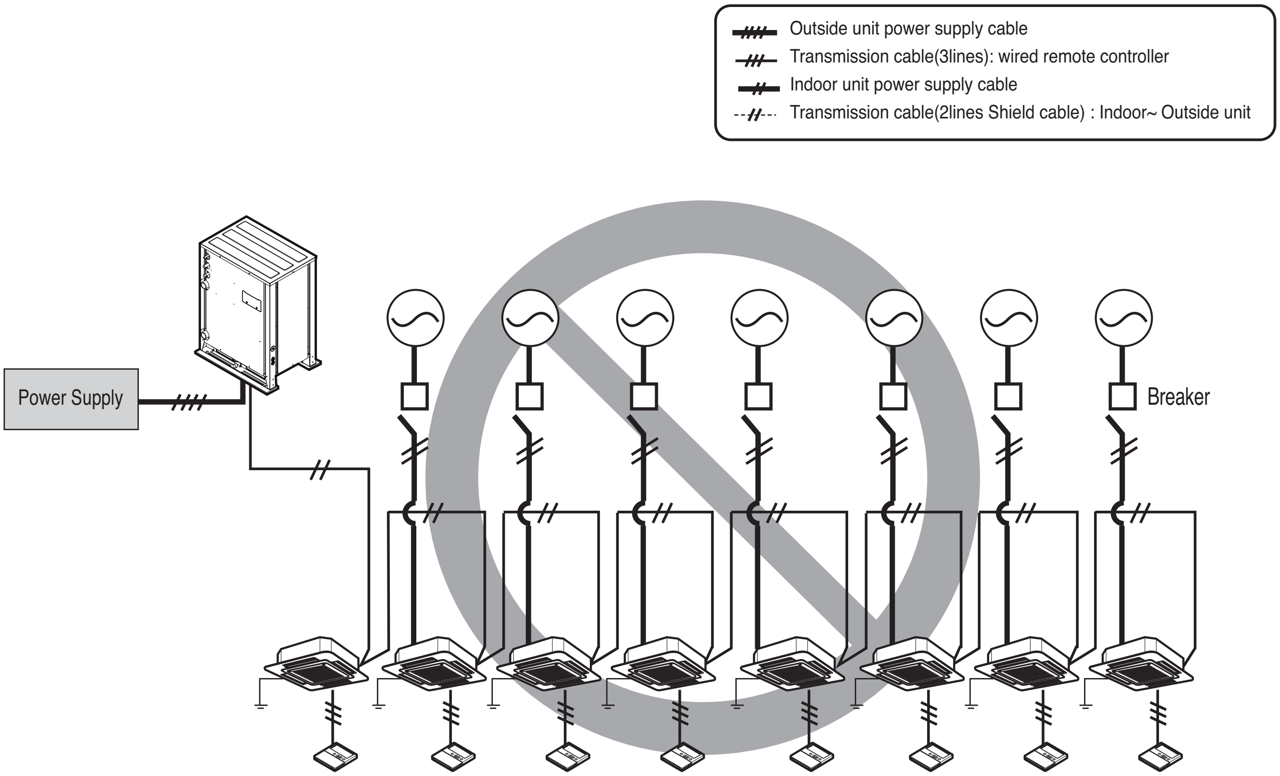
- If the lines are laid inside conduits then the following point must also be taken into account when grouping various lines together for introduction into the conduits.
- Power lines(including power supply to air conditioner) and signal lines must not be laid inside the same conduit.
- In the same way, when grouping the power lines and signal lines should not be bunched together.

⚠ CAUTION

- If apparatus is not properly earthed then there is always a risk of electric shocks, the earthing of the apparatus must be carried out by a qualified person.
- Use a power wire pipe for the power wiring.

◆ Example for mistake of wiring

- Do not separately connect the power of the indoor unit.



⚠CAUTION

Never install individual switch or individual outlet to cut the power connecting the indoor unit.

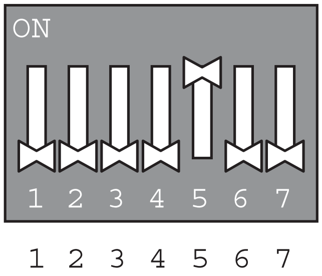
10.4 Dip switch setting

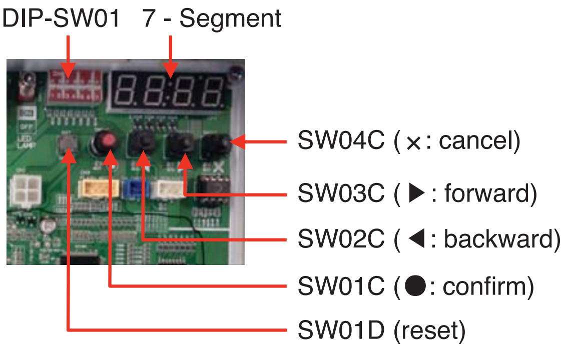
10.4.1 Setting the function

Select the mode/function/option/value using '▶', '◀' Button and confirm that using the '●' button after dip switch No.5 is turned on.

⚠CAUTION

- It is only executed when all indoor units are off.





Mode		Function		Option			Value		Action		Remarks
Content	Display1	Content	Display2	Content		Display3	Content	Display4	Implement	Display5	
Installation	Fuc	Cool & Heat Selector	Fn1	OFF	op1~op2	Selected the option	-	-	Change the set value	Blank	Save in EEPROM
		Geothermal mode setting	Fn2	OFF	ON	Selected the option	-	-	Change the set value	Blank	Save in EEPROM
		Sol. Valve 200 V output	Fn3	OFF	ON	Selected the option	-	-	Change the set value	Blank	Save in EEPROM
		Variable water flow control	Fn4	OFF	ON	Selected the option	-	-	Change the set value	Blank	Save in EEPROM
		ODU address	Fn5	-		-	0~255	Set the value	Change the set value	Blank	Save in EEPROM
		Target pressure adjusting	Fn7	OFF	op1~op3	Selected the option	-	-	Change the set value	Blank	Save in EEPROM
		Use Sump Heater	Fn8	OFF	ON	Selected the option	-	-	Change the set value	Blank	Save in EEPROM

* Functions save in EEPROM will be kept continuously, though the system power was reset.
To cancel the function you need to set OFF.

10.4.2 Dip switch setting

1. Set the dip switch and turn on the power of the outside unit to check whether the set value is correctly entered in the 7 segment.
2. This function is shown for only 2 seconds after the power is connected.

■ Checking according to dip switch setting

- You can check the setting values of the Master outside unit from the 7 segment LED. The dip switch setting should be changed when the power is OFF.
- It checks whether the input is properly performed without the bad contact of the dip switch or not

■ Checking the initial display

The number is sequentially appeared at the 7 segment in 5 seconds after applying the power.
This number represents the setting condition.
Master model capacity → Slave1 model capacity → Slave2 model capacity → Slave3 model capacity → Total capacity → System type → Power type → Product type

Example) 178 kW(62HP) 4Unit R410A combination (Cooling/heating switching type, 380V general type)
16 → 16 → 16 → 14 → 62 → 2 → 38 → 1

⚠ CAUTION

Product may not properly operate if the relevant DIP switch is not properly setup.

EX) Details of each symbol

Symbol	Number	Contents
①	8~20	Master model capacity
②	10~20	Slave 1 capacity
③	10~20	Slave 2 capacity
④	10~20	Slave 3 capacity
⑤	8~80	Total capacity
⑥	1	Cooling only
	2	Cooling/Heating switching type
	3	Simultaneous Cooling/Heating type
⑦	38	380 V
	46	460 V
	22	220 V
⑧	1	General type
	2	Tropical type
	3	Factory type

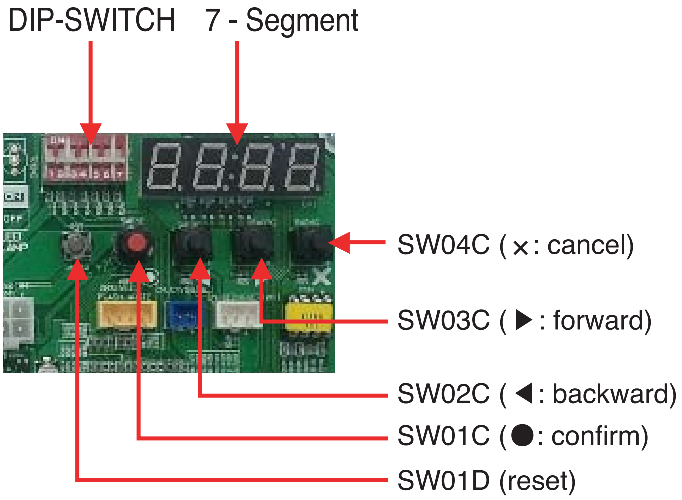
Model capacity

Capacity(kW)	Capacity(HP)	Remark	Refrigerant
23	8	Same for master /slave	R410A
29	10		
35	12		
41	14		
46	16		
52	18		
57	20		

10.5 Indoor unit auto addressing

- The address of the indoor units would be set by auto addressing.
  1) Wait for 3 minutes after applying power supply (master and slave outside unit, indoor unit)
  2) Press the switch of the outside unit (SW02V) for 5 seconds.
  3) A "88" is indicated on 7-segment LED of the outside unit PCB.
  4) For completing addressing, 2~7 minutes are required depending on numbers of indoor unit connection set.
  5) Numbers of indoor unit connection set whose addressing is completed are indicated for 30 seconds on 7-segment LED of the outside unit PCB.
  6) After completing addressing, address of each indoor unit is indicated on the wired remote controller display window. (CH01, CH02, CH03, ... CH06 : Indicated as number of indoor unit connection set.)

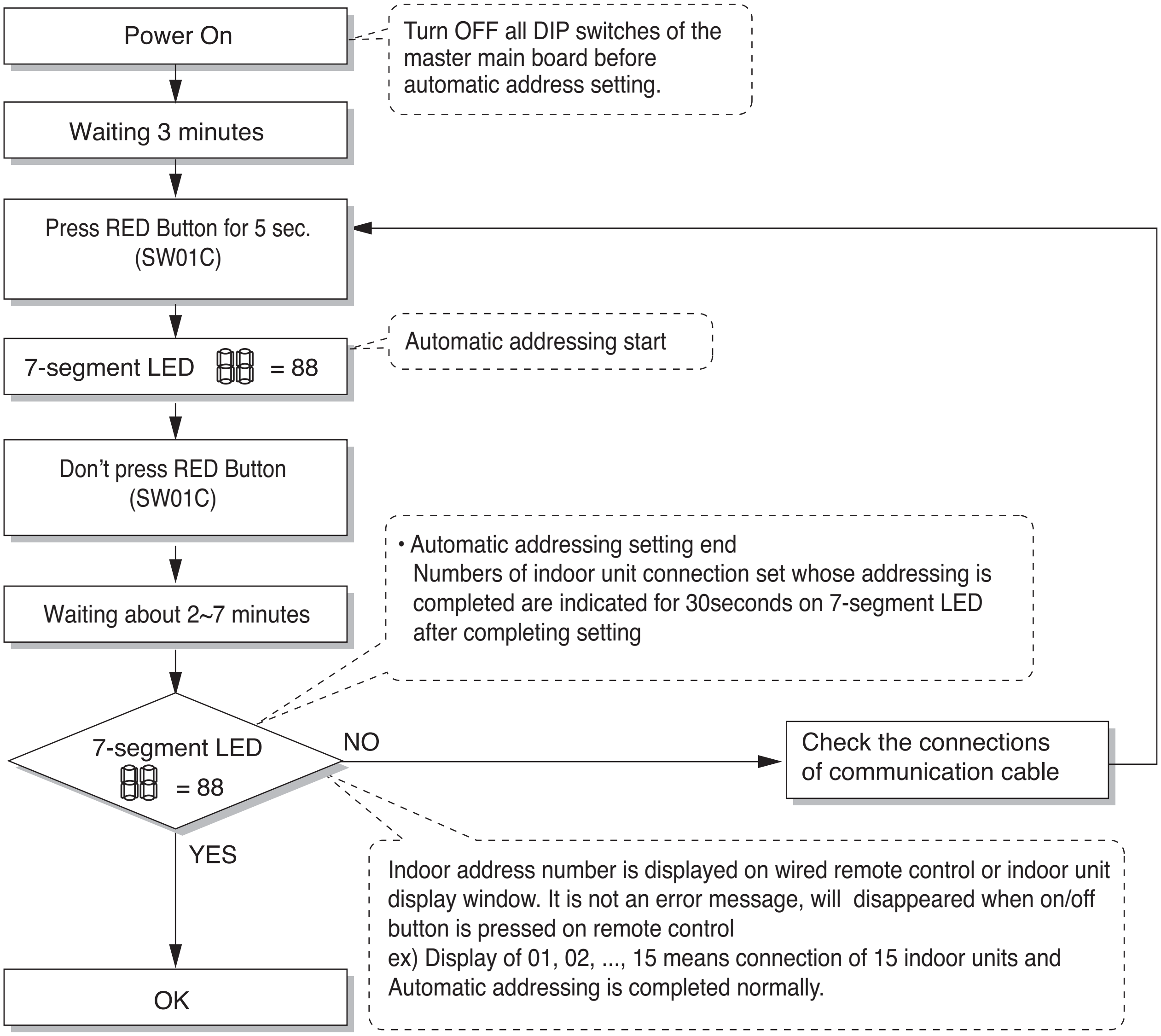
[Heat Pump (MAIN PCB)]



⚠ WARNING

- **When replacing the indoor unit PCB, you must execute the auto addressing again. Always execute this with all the power of indoor units and outside units connected. If the power is not connected to the indoor unit, it can generate an operation error.**
- **When power is connected to the outside unit for the first time, it will standby for more than 3 minutes to improve the indoor unit communication, and then the address must be set.**

◆ The Procedure of Automatic Addressing



Turn OFF all DIP switches of the master main board before automatic address setting.

Automatic addressing start

- Automatic addressing setting end
  Numbers of indoor unit connection set whose addressing is completed are indicated for 30seconds on 7-segment LED after completing setting

Indoor address number is displayed on wired remote control or indoor unit display window. It is not an error message, will disappeared when on/off button is pressed on remote control
ex) Display of 01, 02, ..., 15 means connection of 15 indoor units and Automatic addressing is completed normally.

◆ Group Number setting

Group Number setting for Indoor Units

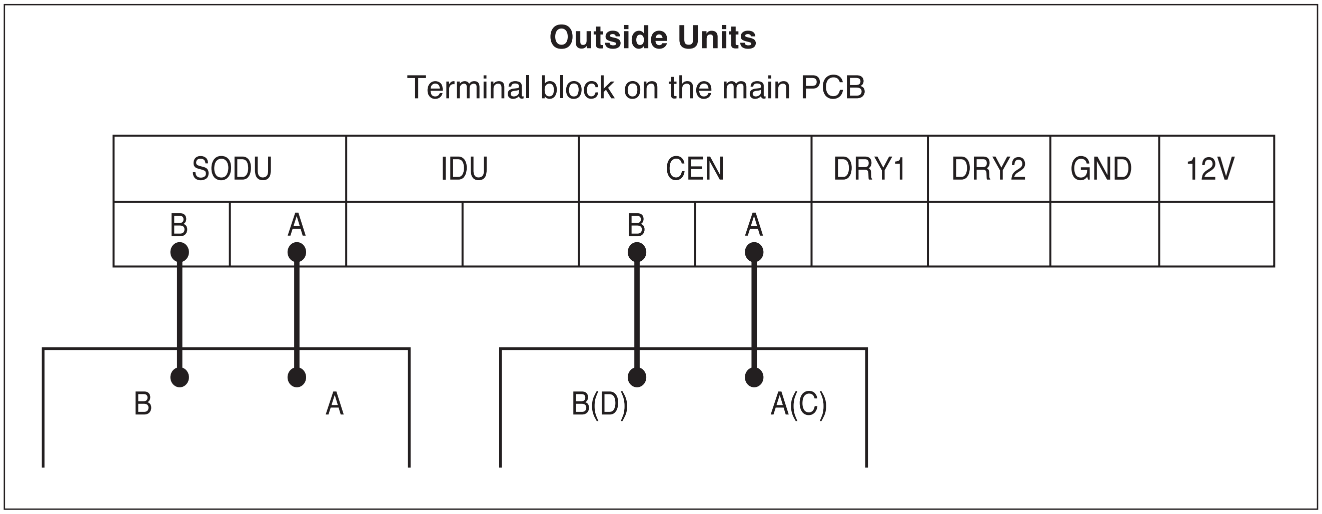
① Confirm the power of whole system(Indoor Unit, Outside Unit) is OFF, otherwise turn off.

② The transmission lines connected to CEN terminal should be connected to central control of Outside unti with care for their polarity(A → A, B → B)

③ Turn the whole system on.

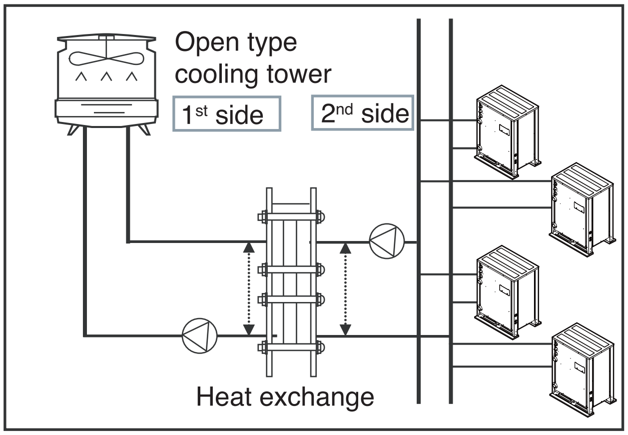
④ Set the group and Indoor Unit number with a wired remote control.

⑤ To control several sets of Indoor Units into a group, set the group ID from 0 to F for this purpose.



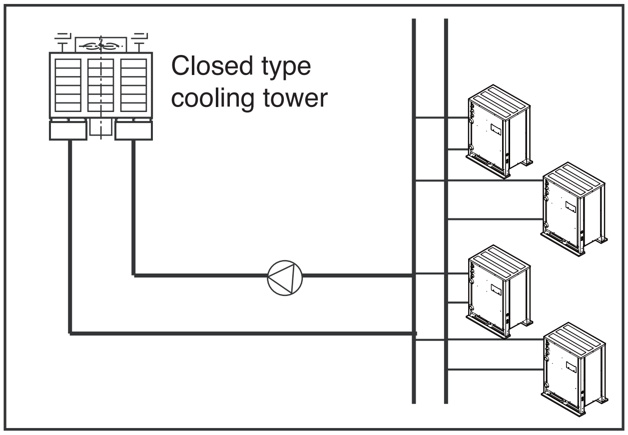
Group recognizing the simple central controller
No.0 group (00~0F)
No.1 group (10~1F)
No.2 group (20~2F)
No.3 group (30~3F)
No.4 group (40~4F)
No.5 group (50~5F)
No.6 group (60~6F)
No.7 group (70~7F)
No.8 group (80~8F)
No.9 group (90~9F)
No. A group (A0~AF)
No. B group (B0~BF)
No. C group (C0~CF)
No. D group (D0~DF)
No. E group (E0~EF)
No. F group (F0~FF)

11. Cooling tower applied method



[Open type cooling tower + Middle heat exchanger]

Heat exchanger is installed between the cooling tower and outside unit system piping, and the temperature difference between 1st side and 2nd side is maintained constantly



[Closed type cooling tower]

Heat source water of the cooling tower is supplied directly to the outside unit system.

⚠ CAUTION

When the open type cooling tower is used and the water supply is directly connected to the 2nd heat exchanger, product damage by alien particle cannot be repaired for free.

- Always use the 2nd heat exchanger.

12.1 Water supply system test run

- Before executing the test run for the product, you must first test the heat source water system.
  The test run for the product must be executed after checking the flow rate and temperature of the heat source water supplied.

Equipment design

Design the system including cooling tower, boiler, pump etc.
- Check the equipment capacity (Water volume, temperature control range).

Water pipe system installation

Install the water pipe

Water supply pipe and product connection

Connect the water pipe to the inlet/outlet of the product so that the water can be supplied to the product.

Water supply system test run

Execute water supply system test run
- The product does not operate but the pump and water supply equipment will operate to flow the Heat source water to the heat exchanger on the product side.
- Flow the water to all water piping system to clean any alien particles inside the pipes and execute an air purge to remove an air within the pipes to make the water supply smoother.
- Clean all the strainers of water pipe including around outside units.

Judging whether there is any problem with the water supply

Execute the test of water supply system without operating the product.
- Check whether outside unit inlet/outlet flow rate complies to the product specification.
- Check the water supply temperature. whether is OK

Execute the product test run

After checking the normal condition of the water supply, execute the test run of the product.
To prevent the freezing of the heat exchanger when the refrigerant is discharged with the water supply blocked, discharge the refrigerant after draining out around the outside unit.

12.2 Precaution before test run

1	Check whether the air is completely removed and the water supply is flowing smoothly.
2	Check whether there is any refrigerant leakage of any disconnected or loose communication or power wire, or use the electric wiring diagram to check the wiring connection condition. Check whether the power and communication wire are connected.
3	Check whether the power cable R, S, T and N are correctly connected. Check the insulation resistance with the DB mega tester device (DC 500V) between the power terminal block and grounding, and check whether it is 2.0MΩ or above when measured. If the resistance is 2.0MΩ or less, do not operate the product. Precaution: - Never check the insulation resistance for the terminal control board. (The control board can be damaged.) - If you leave the system turned off right after the installation or for a long period of time, the refrigerant gets accumulated within the compressor and the insulation resistance reduces to less than 2 MΩ. When the insulation resistance is 2 MΩ or less, turn on the power and let the electricity be supplied to the crank case heater of the compressor and let the refrigerant including the oil inside the compressor to evaporate. Then the insulation resistance value will increase to more than 2.0 MΩ.
4	Check whether the liquid and gas pipes are open.
5	Precaution when blocking the water cooling type Multi V main power - While using the product (Air conditioning season/Heating season), always connect the main power of the outside unit. - During the test run operation after installing the product or during the operation after blocking the outside unit main power (Power outage etc.), you must always connect the power 6 hours prior to heating the crank case heater. If the crank case is not preheated for more than 6 hours with the electric heater, it can cause a burn on the compressor. (Heating the bottom part of the compressor with the crank case heater is to evaporate the refrigerant included in the oil inside the compressor.)

⚠ WARNING

- **Always check whether the water supply is flowing smoothly before the test run. (If sufficient amount of water is not flowing, it can burn the product.)**
- **During the initial test run after installing the product, leaving the product for more than 3 days or after replacing the compressor, power must be connected 6 hours prior to the operation to heat the compressor heater. (If the product is not heated sufficiently, it can burn the product.)**

12.3 How to Cope with Abnormal Test Run

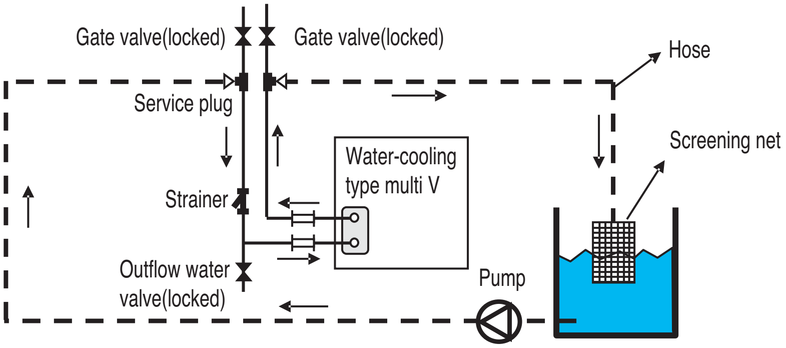
Item	Phenomenon	Cause	Checkpoint and resolution
Whether heat water is supplied	CH24	When connecting the flow switch, heat-sourced water doesn't flow or the amount of its flow lacks due to the checked error related to heat-sourced water.	Check whether the heat source water supply pump is operating.
			Check whether the heat source water supply pipe is clogged. (Clean strainer, valve locked, valve issue, air trapped etc.)
			Check whether the flow switch is normal condition. (Flow switch problem, arbitrary control, disconnection etc.)
	CH32	Heat water not supplied or flow rate is insufficient	Check whether heat source water supply pump is operating.
			Check whether the heat source water supply pipe is clogged. (Clean strainer, valve locked, valve issue, air trapped etc.)
	CH34	Heat water not supplied or flow rate is insufficient (During cooling)	Check whether heat source water supply pump is operating.
			Check whether the heat source water supply pipe is clogged. (Clean strainer, valve locked, valve issue, air trapped etc.)
	CH180	Heat water not supplied or flow rate is insufficient (During heating)	Check whether heat source water supply pump is operating.
			Check whether the heat source water supply pipe is clogged. (Clean strainer, valve locked, valve issue, air trapped etc.)

❊ When CH24 or CH180 error occurs during the test operation of the heater, the inside of the panel heat exchanger may be partially frozen and therefore, be sure to get rid of its cause and then, re-operate the device.
(The root cause of partial freezing: The lack of flow of heat-sourced water, suspension of water, lack of cooling medium, infiltration of foreign substance inside of panel heat exchanger)

12.4 Maintenance of plate type heat exchanger

As the scales are created in the panel heat exchanger, its efficiency may decrease or damage may occur due to winter-sowing due to the decrease in its flow.
Due to this reason, regular maintenance is necessary so that the scales shouldn't be created.

1. Before the season of use, check below points.(Once a year)
   1) inspection on water quality to check if this is within the standard condition.
   2) Clean the strainer.
   3) Check if the flow is appropriate.
   4) Check if the operation environment is appropriate.(Pressure, flow, output temperature)
2. Below procedure should be abided by in order to clean the panel heat exchanger. (Once every 5 years)
   1) Check if the service port is equipped with the water pipe in order to clean the chemical solution. 5% diluted formic acid, citric acid, oxalic acid, acetate acid, phosphoric acid and etc. are appropriate for the chemical solution for wiping out the scales.(Hydrochloric acid, sulphuric acid, nitric acid and etc. shouldn't be used due to its corrosion.)
   2) Be sure to check if the gate valve of inflow/outflow pipe and the valve for outflow pipe are properly closed when cleaning.
   3) Connect the water pipe for cleaning with the chemical solvent through the service plug of the pipe and fill up the panel heat exchanger with 50°C~60°C of cleaning solvent and circulate it with the pump for 2~5 hours. The circulation time may depend on the temperature of the cleaning solvent or the creation of the scales. Therefore, observe change in the color of the chemical solvent to set the circulation time for removing the scales.
   4) After the circulation of the solvent, extract the solvent inside of the panel heat exchanger and fill up 1~2% of NaOH or $NaHCO_3$ and then, circulate it for 15~20 minutes to neutralize the heat exchanger.
   5) Once the neutralization is completed, clean the inside of the panel heat exchanger with clean water. Measure the water Ph to check if the chemical solvent is properly removed or not.
   6) When using a different kind of chemical solvent in the market, be sure to check if there is any corrosive action to stainless or copper in advance or not.
   7) For details on the cleaning chemical solvent, be sure to consult the specialists of the related corporation.
3. After cleaning, operate the device to see if it works properly once again.



[Cleaning the panel heat exchanger]

Installation of Outside Units

12.5 Daily check/management

1. Water quality control

The plate type heat exchanger is not structured to be disassembled, cleaned or replaced with parts.
To prevent corrosion or scaling on the plate type heat exchanger, special care must be taken to control the water quality. Water quality must satisfy the minimum criteria of the reference water quality items.
When anti-corrosion agent or corrosion inhibitor is added, the substance must not have any corrosive effect on stainless steel and copper. Even if the circulating water is not contaminated by the external air, it is recommended to empty the water flowing in the pipe and to resupply the water.

2. Flow rate control

If the flow rate is insufficient, it can cause freezing on the plate type heat exchanger.
Check whether the strainer is clogged or whether the pipe is filled with air and then check the temperature and pressure difference of the inlet and outlet pipe to check whether the flow rate is insufficient.
If the temperature and pressure difference is above the appropriate level, it means that the flow rate is reduced. In this case, the operation must immediately be stopped and re-operated when the root cause is resolved. (*If air is trapped in the pipe, the air must be purged. Air inside the water pipe interferes with the circulation of the heat water supply and can cause insufficient flow rate or freezing.)

3. Brine density management

When using the brine (Anti-freeze) in the heat water supply, designated type and density must be used. Calcium chloride brine can cause corrosion on the plate type heat exchanger and must not be used.
If the anti-freeze liquid is left as is, it absorbs the moisture from the air to cause a drop in the density, leading to freezing of plate type heat exchanger. Therefore minimize the contact surface with the atmosphere and periodically measure the density of the brine to supplement the brine as needed to maintain the density.

12.6 Maintenance/Repair checklist

Period (Year) Checkpoint	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Product operating condition	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Heat exchanger cleaning (Wash)					●					●					●
Strainer cleaning	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Water quality check	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Refrigerant leakage check	●														●
Indoor unit filter cleaning	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

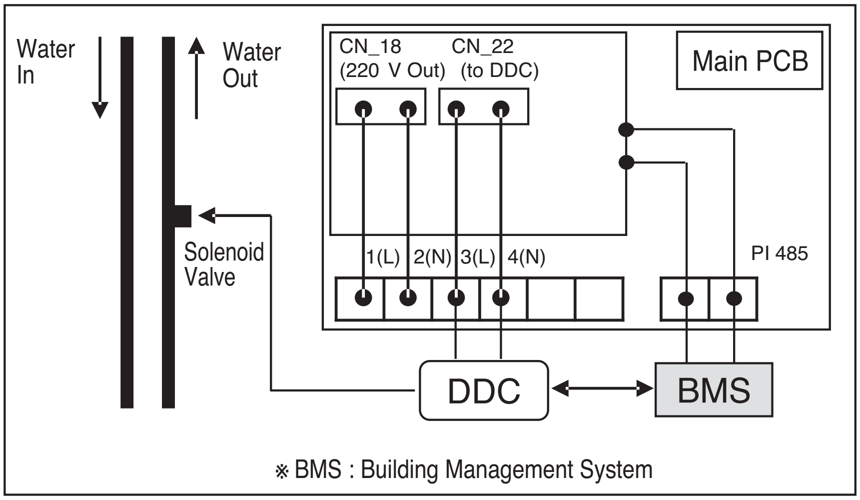
(● : Check mark)

⚠CAUTION

- The above checklist is set based on the minimum period and more frequent checking can be required depending on the operating condition/water quality condition.
- When cleaning the heat exchanger, make sure to take parts out or lock the value so that chemical detergent does not penetrate into the pressure gauge etc.
- When cleaning the heat exchanger, check the connecting part of the water pipes prior to cleaning so that the chemical detergent does not leak.
- After sufficiently mixing the chemical detergent with water, start cleaning.
- Cleaning the heat exchanger is easier at the initial stage and becomes difficult after the scaling has accumulated.
- In areas where the water quality is poor, cleaning is required periodically.
  Because chemical detergent has strong acidity, it must be washed off thoroughly with water.
- To check whether it is cleaned well inside, remove the hose and check the inside.
- Purge the air to remove any air inside the water pipe.
- After checking, always check whether the heat water supply is flowing normally flowing before operating the product.

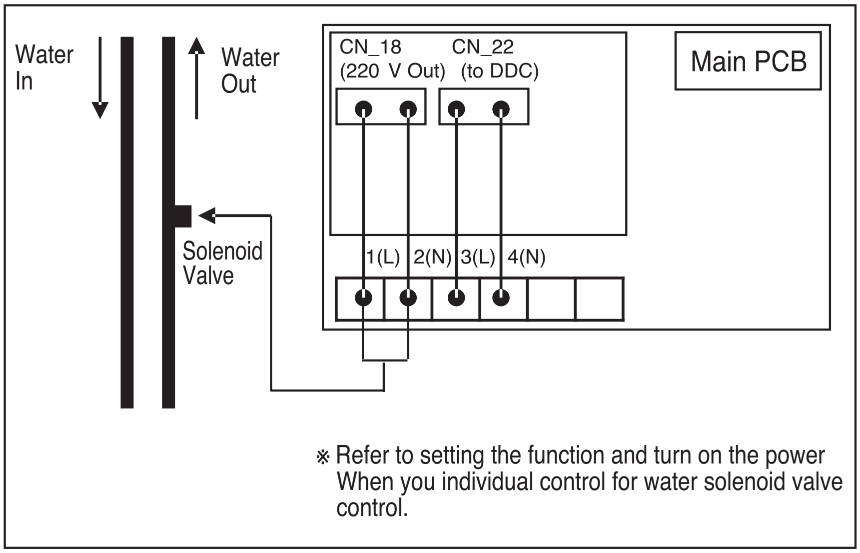
13. Water Solenoid Valve Control

13.1 Central Control (Use DDC Port)



※ BMS : Building Management System

13.2 Individual Control (Use 220V Out Port)

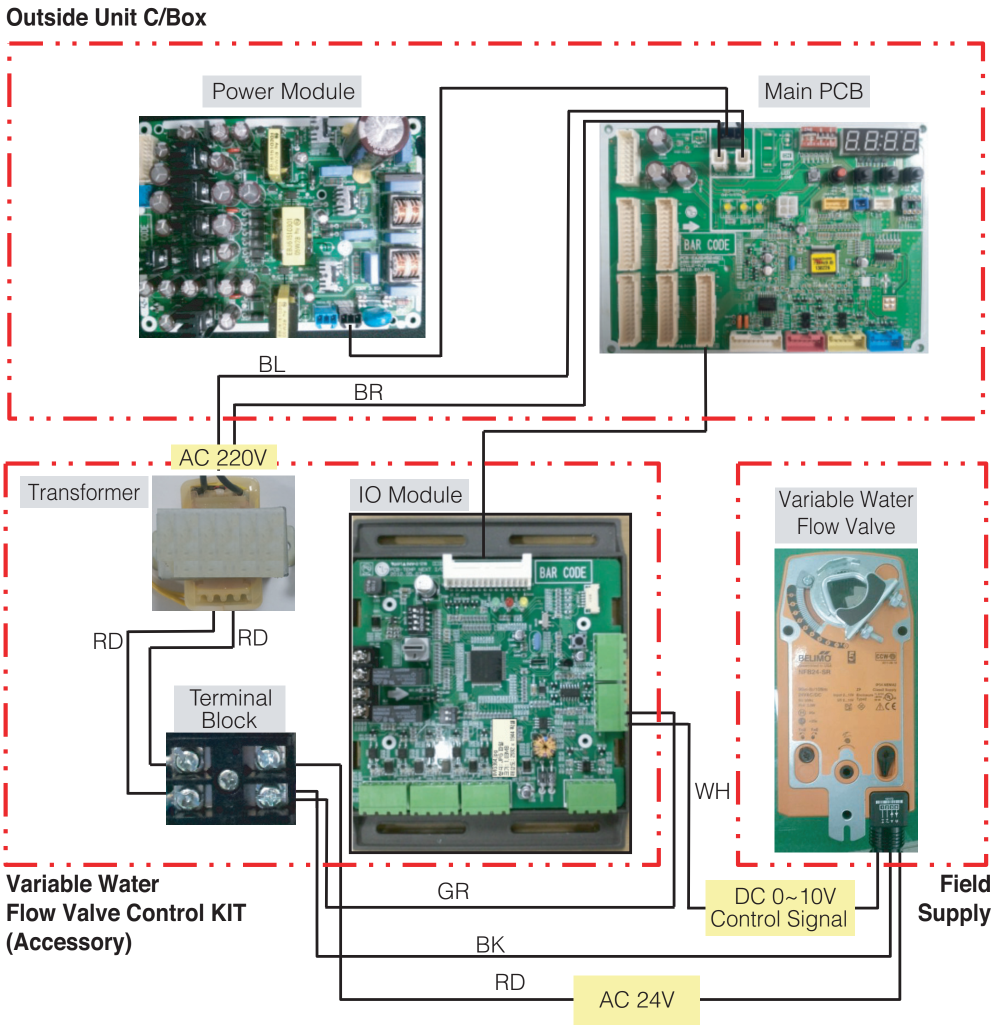


※ Refer to setting the function and turn on the power When you individual control for water solenoid valve control.

14. Variable Water Flow Valve Control KIT (Accessory)

◆ Installation Method

1. Shut off the main power line of outside unit.
2. Install the case of Variable Water Flow Control Kit on the C/Box by using screws.
3. Attach Transformer, IO Module, Terminal Block of Variable Water Flow Control Kit in the case by using screws.
4. Connect the wire, Refer to the figure below.



※ BL : Blue, BR : Brown, RD : Red, BK : Black, WH : White, GR : Green

Notes:
Transformer can supply only AC 24V to the terminal block.
Do not input external power into Main PCB. Otherwise it will cause a serious damage.
The Variable Water Flow Control Kit controls only 1 valve actuator.
The power (AC 24V) and signal(DC 0~10V) line is recommended by AWG22(1/32 in, (0.644 mm), 0.016 Ω/ft (0.053 Ω/m)).

MULTI V™ WATER IV

Special Guide

1. Cautions for Refrigerant Leaks

Appendix information

MFL68359801_01E
July / 2017

1. Caution For Refrigerant Leaks

The installer and system specialist shall secure safety against leakage according to local regulations or standards.
The following standards may be applicable if local regulations are not available.

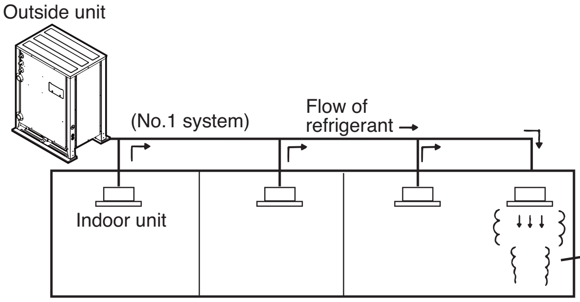
1.1 Introduction

Though the R410A refrigerant is harmless and incombustible itself , the room to equip the air conditioner should be large to such an extent that the refrigerant gas will not exceed the limiting concentration even if the refrigerant gas leaks in the room.

■ Limiting concentration

Limiting concentration is the limit of Freon gas concentration where immediate measures can be taken without hurting human body when refrigerant leaks in the air. The limiting concentration shall be described in the unit of kg/m^3 (Freon gas weight per unit air volume) for facilitating calculation.

Limiting concentration: 0.44kg/m^3(R410A)



Room where refrigerant leaks (Refrigerant of the whole No.1 system flows out.)

1.2 Checking procedure of limiting concentration

Check limiting concentration along following steps and take appropriate measure depending on the situation.

■ Calculate amount of all the replenished refrigerant (kg) per each refrigerant system.

Amount of replenished refrigerant per one outside unit system + Amount of additional replenished refrigerant = Total amount of replenished refrigerant in refrigerant facility (kg)

Amount of replenished refrigerant per one outside unit system: Amount of replenished refrigerant at factory shipment

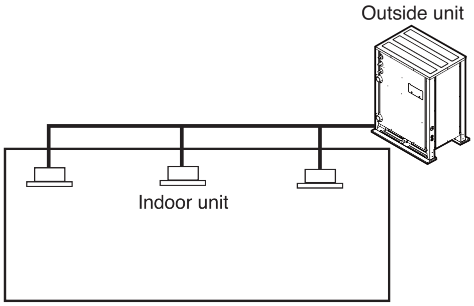
Amount of additional replenished refrigerant: Amount of additionally replenished refrigerant depending on piping length or piping diameter at customer

Note : In case one refrigerant facility is divided into 2 or more refrigerant systems and each system is independent, amount of replenished refrigerant of each system shall be adopted.

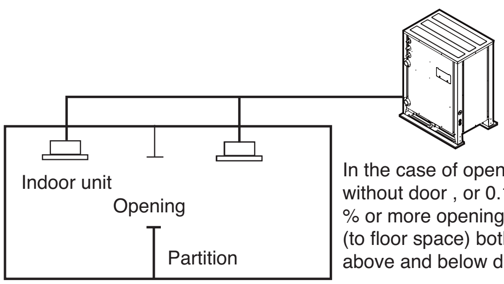
■ Calculate minimum room capacity

Calculate room capacity by regarding a portion as one room or the smaller room.

(1) Without partition



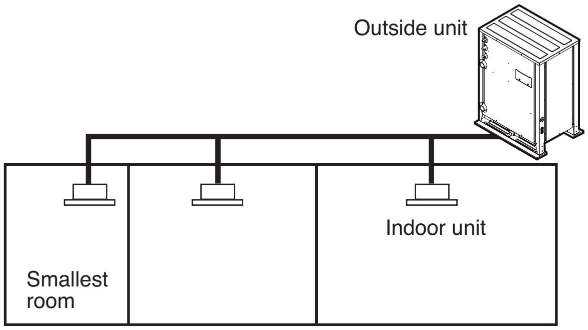
(2) With partition and with opening which serve as passage of air to adjoining room



In the case of opening without door , or 0.15 % or more openings (to floor space) both above and below door)

1. Caution For Refrigerant Leaks

(3) With partition and without opening which serve as passage of air to adjoining room



■ Calculate refrigerant concentration

$$\frac{\text{Total amount of replenished refrigerant in refrigerant facility (kg)}}{\text{Capacity of smallest room where indoor unit is installed (m}^3\text{)}} = \textbf{Refrigerant concentration (kg/m}^3\textbf{)}$$

|

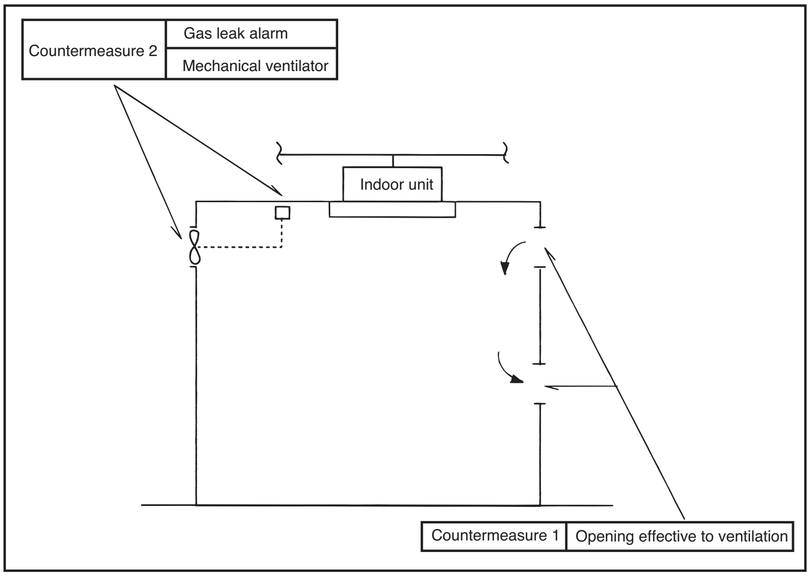
(R410A)

In case the result of calculation exceeds the limiting concentration, perform the same calculations by shifting to the second smallest, and the third smallest rooms until at last the result is below the limiting concentration.

■ In case the concentration exceeds the limit

When the concentration exceeds the limit, change original plan or take one of the counter measure shown below:

- **Counter measure 1**
  Provide opening for ventilation.
  Provide 0.15% or more opening to floor space both above and below door, or provide opening without door.
- **Counter measure 2**
  Provide gas leak alarm linked with mechanical ventilator.
  Reducing the outside refrigerant qty.



Pay a special attention to the place, such as a basement, etc. where refrigerant can stay, since refrigerant is heavier than air.

LG

Life's Good

P/No.: MFL61741615

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The air conditioners manufactured by LG have received ISO9001 certificate for quality assurance and ISO14001 certificate for environmental management system.