LG

MULTI V™ WATER IV

Heat Recovery 380V
R410A(50Hz/60Hz)
0CVT0-01Q(Replaces 0CVT0-01P)

TOTAL HVAC SOLUTION PROVIDER

ENGINEERING PRODUCT DATA BOOK

LG
Life's Good

P/No. : MFL61741623

MULTI V™ WATER IV

Heat Recovery

General information

Outside Units

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Special Guide

HR Unit

MULTI V™ WATER IV

Heat Recovery

General information

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1. Model Names

1.1 Outside Unit

Power Supply	8HP	10HP	14HP	20HP	16HP[1)]	18HP[1)]
3Ø, 380-415, 50Hz 3Ø, 380V, 60Hz	080LAS4	100LAS4	140LAS4	200LAS4	160LAS4	180LAS4

Power Supply	22HP	24HP	28HP	30HP	34HP	40HP
3Ø, 380-415, 50Hz 3Ø, 380V, 60Hz	220LAS4	240LAS4	280LAS4	300LAS4	340LAS4	400LAS4

Power Supply	42HP	44HP	48HP	50HP	54HP	60HP
3Ø, 380-415, 50Hz 3Ø, 380V, 60Hz	420LAS4	440LAS4	480LAS4	500LAS4	540LAS4	600LAS4

Power Supply	62HP	64HP	68HP	70HP	74HP	80HP
3Ø, 380-415, 50Hz 3Ø, 380V, 60Hz	620LAS4	640LAS4	680LAS4	700LAS4	740LAS4	800LAS4

Heat Recovery	ARWB

Note

1) These Models apply to Europe only.

1.2 HR Unit

2 Branches	3 Branches	4 Branches	6 Branches	8 Branches
PRHR023	PRHR033	PRHR043	PRHR063	PRHR083

Note

- These HR Units will be in effect from July 2018.

2. External Appearance

Chassis	Model Name	Model
UWC	ARWB080LAS4 ARWB100LAS4 ARWB140LAS4 ARWB200LAS4	
UWC UWC	ARWB160LAS4[1)] ARWB180LAS4[1)] ARWB220LAS4 ARWB240LAS4 ARWB280LAS4 ARWB300LAS4 ARWB340LAS4 ARWB400LAS4	
UWC UWC UWC	ARWB420LAS4 ARWB440LAS4 ARWB480LAS4 ARWB500LAS4 ARWB540LAS4 ARWB600LAS4	
UWC UWC UWC UWC	ARWB620LAS4 ARWB640LAS4 ARWB660LAS4 ARWB700LAS4 ARWB740LAS4 ARWB800LAS4	

Note

1) These Models apply to Europe only.

3. Combination of Outside Units

Model	Number of Units	Module(HP)			
		8	10	14	20
ARWB080LAS4	1	1			
ARWB100LAS4	1		1		
ARWB140LAS4	1			1	
ARWB200LAS4	1				1
ARWB160LAS4[1)]	2	2			
ARWB180LAS4[1)]	2	1	1		
ARWB220LAS4	2	1		1	
ARWB240LAS4	2		1	1	
ARWB280LAS4	2			2	
ARWB300LAS4	2		1		1
ARWB340LAS4	2			1	1
ARWB400LAS4	2				2
ARWB420LAS4	3	1		1	1
ARWB440LAS4	3		1	1	1
ARWB480LAS4	3			2	1
ARWB500LAS4	3		1		2
ARWB540LAS4	3			1	2
ARWB600LAS4	3				3
ARWB620LAS4	4	1		1	2
ARWB640LAS4	4		1	1	2
ARWB680LAS4	4			2	2
ARWB700LAS4	4		1		3
ARWB740LAS4	4			1	3
ARWB800LAS4	4				4

Note

1) These Models apply to Europe only.

4. Nomenclature

Model Name	ARW	B	100	L	A	S	4
No.	1	2	3	4	5	6	7

No.	Signification
1	**MULTI V Water System with Outside Unit using R410A**
2	**Combination of Inverter Type and Cooling Only or Heat Pump** B : Inverter and Heat Recovery
3	**Total Cooling Capacity in Horse Power(HP) unit** E X) 10HP → '100'
4	**Electrical Ratings** L: 3Ø, 380 - 415V, 50Hz / 3Ø, 380V, 60Hz
5	**A : Basic Function**
6	**S : Standard**
7	**Serial number**

5. Indoor Unit and Outside Unit Capacity Index

5.1 Outside Unit Selection

See the indoor unit capacity tables for given Indoor and outside(outside) 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
14	19.6	23.5	27.4	31.4	35.3	39.2	43.1	47.0	51.0	62.7	78.4
20	28.0	33.6	39.2	44.8	50.4	56.0	61.6	67.2	72.8	89.6	112.0
16	22.4	26.9	31.4	35.8	40.3	44.8	49.3	53.8	58.2	71.7	-
18	25.2	30.2	35.3	40.3	45.4	50.4	55.4	60.5	65.5	80.6	-
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	-
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	-
34	47.6	57.1	66.6	76.2	85.7	95.2	104.7	114.2	123.8	152.3	-
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	-	-
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	-	-
54	75.6	90.7	105.8	121.0	136.1	151.2	166.3	181.4	196.6	-	-
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	-	-
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	-	-
74	103.6	124.3	145.0	165.8	186.5	207.2	227.9	248.6	269.4	-	-
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).

◆ 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).

5. Indoor Unit and Outside Unit Capacity Index

⚠ 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

1. O : Applied, X : Not applied
   Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
   Accessory line-ups varies by region, so check your local catalogue or local sales material.

Category		Product	Etc	Multi V Water IV
Central Controller	AC EZ	PQCSZ250S0	-	O
	AC Ez Touch	PACEZA000	-	O
	AC Smart	PACS4B000	AC Smart IV	O
		PACS5A000	AC Smart 5	O
	ACP	PACP4B000	ACP IV	O
		PACP5A000	ACP 5	O
	AC Manager	PACM4B000	AC Manager IV	O
		PACM5A000	AC Manager 5	O
Gateway	Cool/Heat Selector	PRDSBM	Dry Contact For ODU	O
	Low Ambient Kit	PRVC2	From MULTI V 4 series	X
	AHU Comm. Kit	PAHCMR000	Return / Room Air Control	O
		PAHCMS000	Supply Air Control by DDC	O
	BACnet	PQNFB17C0	ACP BACnet(DC 12V Adapter)	O
		PQNFB17C1	ACP BACnet(AC 24V)	O
	Lonworks	PLNWKB000	ACP Lonworks(DC 12V Adapter)	O
		PLNWKB100	ACP Lonworks(AC 24V)	O
	Lon Translator	PLNTRN000	Lon Translator(For Chiller)	X
	Modbus RTU	PMBUSB00A	For Multi V 5, ERV	X
ETC	PDI	PPWRDB000	PDI Standard	O
		PQNUD1S40	PDI Premium	O
	ACS IO Module	PEXPMB000	-	O
	Variable Water Flow Valve Control KIT	PWFCKN000	-	O
	ODU Dry Contact	PVDSMN000	-	O

Note

1. O : Applied, X : Not applied
   Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
   Accessory line-ups varies by region, so check your local catalogue or local sales material.

MULTI V™ WATER IV

Heat Recovery

Outside Units

1. Specifications
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1. Specifications

System Capacity		HP	8	10
Model Name		Combination Unit	ARWB080LAS4	ARWB100LAS4
		Independent Unit	ARWB080LAS4	ARWB100LAS4
Capacity	Cooling	kW	22.4	28.0
		kcal/h	19,300	24,100
		Btu/h	76,400	95,900
	Heating	kW	25.2	31.5
		kcal/h	21,700	27,100
		Btu/h	86,000	107,500
Input	Cooling	kW	3.86	5.09
	Heating	kW	4.20	5.34
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 1	(Inverter) x 1
	Piston Displacement	cm^3/rev	43.8	43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	4.2	4.2
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	77	96
Head Loss		kPa	10.7	15.8
Temp. range of Circulation water	Cooling		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)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	9.52(3/8)	9.52(3/8)
	Low Pressure Gas Pipes	mm(inch)	22.2(7/8)	22.2(7/8)
	High Pressure Gas Pipes	mm(inch)	19.05(3/4)	19.05(3/4)
Water Connecting Pipes	Inlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Outlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 1	(755 × 997 × 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
Net Weight		kg	127 x 1	127 x 1
		lbs	280 x 1	280 x 1
Sound Pressure Level [3]	Cooling	dB(A)	47	50
	Heating	dB(A)	51	53
Sound Power Level [4]	Cooling	dB(A)	59	62
	Heating	dB(A)	63	65
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	5.8	5.8
		lbs	12.8	12.8
	t-CO2 eq		12.108	12.108
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	6.31 - 5.99 - 5.77	8.32 - 7.90 - 7.61
	Heating		6.86 - 6.52 - 6.28	8.72 - 8.29 - 7.99
Maximum Connectable Number of Indoor Units***			13(20)	16(25)

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

1. Specifications

System Capacity		HP	14	20
Model Name		Combination Unit	ARWB140LAS4	ARWB200LAS4
		Independent Unit	ARWB140LAS4	ARWB200LAS4
Capacity	Cooling	kW	39.2	56.0
		kcal/h	33,700	48,200
		Btu/h	133,800	191,100
	Heating	kW	44.1	63.0
		kcal/h	37,900	54,200
		Btu/h	150,500	215,000
Input	Cooling	kW	7.84	11.20
	Heating	kW	8.17	11.67
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 1	(Inverter) x 1
	Piston Displacement	cm^3/rev	43.8	62.1
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	4.2	5.3
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	135	192
Head Loss		kPa	28.6	30.1
Temp. range of Circulation water	Cooling		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)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	12.7(1/2)	12.7(1/2)
	Low Pressure Gas Pipes	mm(inch)	25.4(1)	28.58(1-1/8)
	High Pressure Gas Pipes	mm(inch)	19.05(3/4)	19.05(3/4)
Water Connecting Pipes	Inlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Outlet	mm	PT 40 (Internal Thread)	PT 40 (Internal Thread)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 1	(755 × 997 × 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
Net Weight		kg	127 x 1	140 x 1
		lbs	280 x 1	309 x 1
Sound Pressure Level [3]	Cooling	dB(A)	58	54
	Heating	dB(A)	57	60
Sound Power Level [4]	Cooling	dB(A)	70	66
	Heating	dB(A)	69	72
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	5.8	3.0
		lbs	12.8	6.6
	t-CO2 eq		12.108	6.263
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	12.81 - 12.17 - 11.73	18.30 - 17.38 - 16.75
	Heating		13.35 - 12.68 - 12.22	19.07 - 18.11 - 17.46
Maximum Connectable Number of Indoor Units***			23(35)	32(50)

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

1. Specifications

System Capacity		HP	16	18
Model Name		Combination Unit	ARWB160LAS4	ARWB180LAS4
		Independent Unit	ARWB080LAS4	ARWB100LAS4
			ARWB080LAS4	ARWB080LAS4
Capacity	Cooling	kW	44.8	50.4
		kcal/h	38,600	43,400
		Btu/h	152,800	172,300
	Heating	kW	50.4	56.7
		kcal/h	43,400	48,800
		Btu/h	172,000	193,500
Input	Cooling	kW	7.72	8.95
	Heating	kW	8.40	9.54
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 2	(Inverter) x 2
	Piston Displacement	cm^3/rev	43.8 + 43.8	43.8 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	4.2 + 4.2	4.2 + 4.2
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	77 + 77	96 + 77
Head Loss		kPa	10.7 + 10.7	15.8 + 10.7
Temp. range of Circulation water	Cooling		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)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	12.7(1/2)	12.7(1/2)
	Low Pressure Gas Pipes	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
	High Pressure Gas Pipes	mm(inch)	19.05(3/4)	19.05(3/4)
Water Connecting Pipes	Inlet	mm	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)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 2	(755 × 997 × 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
Net Weight		kg	127 x 2	127 x 2
		lbs	280 x 2	280 x 2
Sound Pressure Level [3]	Cooling	dB(A)	50	52
	Heating	dB(A)	54	55
Sound Power Level [4]	Cooling	dB(A)	62	64
	Heating	dB(A)	66	67
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	5.8 + 5.8	5.8 + 5.8
		lbs	12.8 + 12.8	12.8 + 12.8
	t-CO2 eq		24.215	24.215
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	12.61 - 11.98 - 11.55	14.62 - 13.89 - 13.39
	Heating		13.72 - 13.04 - 12.57	15.59 - 14.81 - 14.27
Maximum Connectable Number of Indoor Units***			26(40)	29(45)

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

1. Specifications

System Capacity		HP	22	24
Model Name		Combination Unit	ARWB220LAS4	ARWB240LAS4
		Independent Unit	ARWB080LAS4	ARWB100LAS4
			ARWB140LAS4	ARWB140LAS4
Capacity	Cooling	kW	61.6	67.2
		kcal/h	53,000	57,800
		Btu/h	210,200	229,700
	Heating	kW	69.3	75.6
		kcal/h	59,600	65,000
		Btu/h	236,500	258,000
Input	Cooling	kW	11.70	12.93
	Heating	kW	12.37	13.51
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 2	(Inverter) x 2
	Piston Displacement	cm^3/rev	43.8 + 43.8	43.8 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	4.2 + 4.2	4.2 + 4.2
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	135 + 77	135 + 96
Head Loss		kPa	28.6 + 10.7	28.6 + 15.8
Temp. range of Circulation water	Cooling		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)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipes	mm(inch)	34.9(1-3/8)	34.9(1-3/8)
	High Pressure Gas Pipes	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
Water Connecting Pipes	Inlet	mm	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)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 2	(755 × 997 × 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
Net Weight		kg	127 x 2	127 x 2
		lbs	280 x 2	280 x 2
Sound Pressure Level [3]	Cooling	dB(A)	58	59
	Heating	dB(A)	58	58
Sound Power Level [4]	Cooling	dB(A)	70	71
	Heating	dB(A)	70	70
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	5.8 + 5.8	5.8 + 5.8
		lbs	12.8 + 12.8	12.8 + 12.8
	t-CO2 eq		24.215	24.215
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	19.11 - 18.16 - 17.50	21.12 - 20.07 - 19.34
	Heating		20.21 - 19.20 - 18.50	22.07 - 20.97 - 20.21
Maximum Connectable Number of Indoor Units***			35(44)	39(48)

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

1. Specifications

System Capacity		HP	28	30
Model Name		Combination Unit	ARWB280LAS4	ARWB300LAS4
		Independent Unit	ARWB140LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB100LAS4
Capacity	Cooling	kW	78.4	84.0
		kcal/h	67,400	72,300
		Btu/h	267,600	287,000
	Heating	kW	88.2	94.5
		kcal/h	75,800	81,200
		Btu/h	301,000	322,500
Input	Cooling	kW	15.68	16.29
	Heating	kW	16.34	17.01
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 2	(Inverter) x 2
	Piston Displacement	cm^3/rev	43.8 + 43.8	62.1 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	4.2 + 4.2	5.3 + 4.2
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	135 + 135	192 + 96
Head Loss		kPa	28.6 + 28.6	30.1 + 15.8
Temp. range of Circulation water	Cooling		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)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipes	mm(inch)	34.9(1-3/8)	34.9(1-3/8)
	High Pressure Gas Pipes	mm(inch)	28.58(1-1/8)	28.58(1-1/8)
Water Connecting Pipes	Inlet	mm	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)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 2	(755 × 997 × 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
Net Weight		kg	127 x 2	(140 x 1) + (127 x 1)
		lbs	280 x 2	(309 x 1) + (280 x 1)
Sound Pressure Level [3]	Cooling	dB(A)	59	55
	Heating	dB(A)	58	61
Sound Power Level [4]	Cooling	dB(A)	72	67
	Heating	dB(A)	71	73
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	5.8 + 5.8	3.0 + 5.8
		lbs	12.8 + 12.8	6.6 + 12.8
	t-CO2 eq		24.215	18.370
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	25.62 - 24.34 - 23.46	26.61 - 25.28 - 24.37
	Heating		26.69 - 25.36 - 24.44	27.79 - 26.40 - 25.45
Maximum Connectable Number of Indoor Units***			45(56)	49(60)

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

1. Specifications

System Capacity		HP	34	40
Model Name		Combination Unit	ARWB340LAS4	ARWB400LAS4
		Independent Unit	ARWB200LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB200LAS4
Capacity	Cooling	kW	95.2	112.0
		kcal/h	81,900	96,400
		Btu/h	324,900	382,200
	Heating	kW	107.1	126.0
		kcal/h	92,100	108,400
		Btu/h	365,500	429,900
Input	Cooling	kW	19.04	22.40
	Heating	kW	19.84	23.34
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 2	(Inverter) x 2
	Piston Displacement	cm^3/rev	62.1 + 43.8	62.1 + 62.1
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 4.2	5.3 + 5.3
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	192 + 135	192 + 192
Head Loss		kPa	30.1 + 28.6	30.1 + 30.1
Temp. range of Circulation water	Cooling		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)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipes	mm(inch)	34.9(1-3/8)	41.3(1-5/8)
	High Pressure Gas Pipes	mm(inch)	28.58(1-1/8)	34.9(1-3/8)
Water Connecting Pipes	Inlet	mm	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)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 2	(755 × 997 × 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
Net Weight		kg	(140 x 1) + (127 x 1)	140 x 2
		lbs	(309 x 1) + (280 x 1)	309 x 2
Sound Pressure Level [3]	Cooling	dB(A)	59	55
	Heating	dB(A)	61	61
Sound Power Level [4]	Cooling	dB(A)	72	68
	Heating	dB(A)	74	74
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	3.0 + 5.8	3.0 + 3.0
		lbs	6.6 + 12.8	6.6 + 6.6
	t-CO2 eq		18.370	12.525
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	31.11 - 29.55 - 28.48	36.59 - 34.77 - 33.51
	Heating		32.41 - 30.79 - 29.68	38.13 - 36.22 - 34.91
Maximum Connectable Number of Indoor Units***			55(64)	64

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

1. Specifications

System Capacity		HP	42	44
Model Name		Combination Unit	ARWB420LAS4	ARWB440LAS4
		Independent Unit	ARWB200LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB140LAS4
			ARWB080LAS4	ARWB100LAS4
Capacity	Cooling	kW	117.6	123.2
		kcal/h	101,200	106,000
		Btu/h	401,300	420,800
	Heating	kW	132.3	138.6
		kcal/h	113,800	119,200
		Btu/h	451,500	473,000
Input	Cooling	kW	22.90	24.13
	Heating	kW	24.04	25.18
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 3	(Inverter) x 3
	Piston Displacement	cm^3/rev	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
	Motor Output	kW	5.3 + 4.2 + 4.2	5.3 + 4.2 + 4.2
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	192 + 135 + 77	192 + 135 + 96
Head Loss		kPa	30.1 + 28.6 + 10.7	30.1 + 28.6 + 15.8
Temp. range of Circulation water	Cooling		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)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipes	mm(inch)	41.3(1-5/8)	41.3(1-5/8)
	High Pressure Gas Pipes	mm(inch)	34.9(1-3/8)	34.9(1-3/8)
Water Connecting Pipes	Inlet	mm	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)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 3	(755 × 997 × 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
Net Weight		kg	(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)
Sound Pressure Level [3]	Cooling	dB(A)	60	60
	Heating	dB(A)	62	62
Sound Power Level [4]	Cooling	dB(A)	72	72
	Heating	dB(A)	74	74
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	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
	t-CO2 eq		30.478	30.478
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	37.41 - 35.54 - 34.26	39.42 - 37.45 - 36.10
	Heating		39.27 - 37.31 - 35.96	41.14 - 39.08 - 37.67
Maximum Connectable Number of Indoor Units***			64	64

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

1. Specifications

System Capacity		HP	48	50
Model Name		Combination Unit	ARWB480LAS4	ARWB500LAS4
		Independent Unit	ARWB200LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB100LAS4
Capacity	Cooling	kW	134.4	140.0
		kcal/h	115,600	120,500
		Btu/h	458,700	478,100
	Heating	kW	151.2	157.5
		kcal/h	130,000	135,500
		Btu/h	516,000	537,500
Input	Cooling	kW	26.88	27.49
	Heating	kW	28.01	28.68
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 3	(Inverter) x 3
	Piston Displacement	cm^3/rev	62.1 + 43.8 + 43.8	62.1 + 62.1 + 43.8
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 4.2 + 4.2	5.3 + 5.3 + 4.2
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	192 + 135 + 135	192 + 192 + 96
Head Loss		kPa	30.1 + 28.6 + 28.6	30.1 + 30.1 + 15.8
Temp. range of Circulation water	Cooling		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)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipes	mm(inch)	41.3(1-5/8)	41.3(1-5/8)
	High Pressure Gas Pipes	mm(inch)	34.9(1-3/8)	34.9(1-3/8)
Water Connecting Pipes	Inlet	mm	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)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 3	(755 × 997 × 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
Net Weight		kg	(140 x 1) + (127 X 2)	(140 x 2) + (127 X 1)
		lbs	(309 x 1) + (280 X 2)	(309 x 2) + (280X1)
Sound Pressure Level [3]	Cooling	dB(A)	60	58
	Heating	dB(A)	62	63
Sound Power Level [4]	Cooling	dB(A)	74	70
	Heating	dB(A)	76	75
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	3.0 + 5.8 + 5.8	3.0 + 3.0 + 5.8
		lbs	6.6 + 12.8 + 12.8	6.6 + 6.6 + 12.8
	t-CO2 eq		30.478	24.633
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	43.91 - 41.72 - 40.21	44.91 - 42.66 - 41.12
	Heating		45.76 - 43.47 - 41.90	46.85 - 44.51 - 42.90
Maximum Connectable Number of Indoor Units***			64	64

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

1. Specifications

System Capacity		HP	54	60
Model Name		Combination Unit	ARWB540LAS4	ARWB600LAS4
		Independent Unit	ARWB200LAS4	ARWB200LAS4
			ARWB200LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB200LAS4
Capacity	Cooling	kW	151.2	168.0
		kcal/h	130,100	144,600
		Btu/h	516,000	573,300
	Heating	kW	170.1	189.0
		kcal/h	146,300	162,600
		Btu/h	580,500	645,000
Input	Cooling	kW	30.24	33.60
	Heating	kW	31.51	35.01
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(Inverter) x 3	(Inverter) x 3
	Piston Displacement	cm^3/rev	62.1 + 62.1 + 43.8	62.1 + 62.1 + 62.1
	Number of revolution	rev/min	Inverter 3,600 at 60Hz	Inverter 3,600 at 60Hz
	Motor Output	kW	5.3 + 5.3 + 4.2	5.3 + 5.3 + 5.3
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	192 + 192 + 135	192 + 192+ 192
Head Loss		kPa	30.1 + 28.6 + 28.6	30.1 + 30.1 + 30.1
Temp. range of Circulation water	Cooling		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)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	19.05(3/4)	19.05(3/4)
	Low Pressure Gas Pipes	mm(inch)	41.3(1-5/8)	41.3(1-5/8)
	High Pressure Gas Pipes	mm(inch)	34.9(1-3/8)	34.9(1-3/8)
Water Connecting Pipes	Inlet	mm	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)
	Drain Outlet	mm	PT 20 (External Thread)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 3	(755 × 997 × 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
Net Weight		kg	(140 x 2) + (127 X 1)	140 x 3
		lbs	(309 x 2) + (280X1)	309 x 3
Sound Pressure Level [3]	Cooling	dB(A)	60	56
	Heating	dB(A)	62	62
Sound Power Level [4]	Cooling	dB(A)	74	70
	Heating	dB(A)	76	76
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	3.0 + 3.0 + 5.8	3.0 + 3.0 + 3.0
		lbs	6.6 + 6.6 + 12.8	6.6 + 6.6 + 6.6
	t-CO2 eq		24.633	18.788
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	49.40 - 46.93 - 45.24	54.89 - 52.15 - 50.26
	Heating		51.48 - 48.90 - 47.14	57.20 - 54.34 - 52.37
Maximum Connectable Number of Indoor Units***			64	64

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

1. Specifications

System Capacity		HP	62	64
Model Name		Combination Unit	ARWB620LAS4	ARWB640LAS4
		Independent Unit	ARWB200LAS4	ARWB200LAS4
			ARWB200LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB140LAS4
			ARWB080LAS4	ARWB100LAS4
Capacity	Cooling	kW	173.6	179.2
		kcal/h	149,400	154,200
		Btu/h	592,500	611,600
	Heating	kW	195.3	201.6
		kcal/h	168,000	173,400
		Btu/h	666,500	688,000
Input	Cooling	kW	34.10	35.33
	Heating	kW	35.71	36.85
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(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
	Number of revolution	rev/min	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
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	192 + 192 + 135 + 77	192 + 192 + 116 + 116
Head Loss		kPa	30.1 + 30.1 + 28.6 + 10.7	30.1 + 30.1 + 21.8 + 21.8
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 113°F)	10°C ~ 45°C(50°F ~ 114°F)
	Heating		-5°C ~ 45°C(23°F ~ 113°F)	-5°C ~ 45°C(23°F ~ 114°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipes	mm(inch)	44.5(1-3/4)	44.5(1-3/4)
	High Pressure Gas Pipes	mm(inch)	41.3(1-5/8)	41.3(1-5/8)
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)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 4	(755 × 997 × 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
Net Weight		kg	(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)
Sound Pressure Level [3]	Cooling	dB(A)	61	61
	Heating	dB(A)	64	64
Sound Power Level [4]	Cooling	dB(A)	73	73
	Heating	dB(A)	76	76
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	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
	t-CO2 eq		36.740	36.740
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	55.71 - 52.92 - 51.01	57.72 - 54.83 - 52.85
	Heating		58.34 - 55.42 - 53.42	60.20 - 57.19 - 55.12
Maximum Connectable Number of Indoor Units***			64	64

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

1. Specifications

System Capacity		HP	68	70
Model Name		Combination Unit	ARWB680LAS4	ARWB700LAS4
		Independent Unit	ARWB200LAS4	ARWB200LAS4
			ARWB200LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB100LAS4
Capacity	Cooling	kW	190.4	196.0
		kcal/h	163,800	168,700
		Btu/h	649,800	669,200
	Heating	kW	214.2	220.5
		kcal/h	184,200	189,700
		Btu/h	731,000	752,500
Input	Cooling	kW	38.08	38.69
	Heating	kW	39.68	40.35
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(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
	Number of revolution	rev/min	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
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	192 + 192 + 135 + 135	192 + 192 + 192 + 96
Head Loss		kPa	30.1 + 30.1 + 28.6 + 28.6	30.1 + 30.1 + 30.1 + 15.8
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 116°F)	10°C ~ 45°C(50°F ~ 117°F)
	Heating		-5°C ~ 45°C(23°F ~ 116°F)	-5°C ~ 45°C(23°F ~ 117°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipes	mm(inch)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipes	mm(inch)	44.5(1-3/4)	44.5(1-3/4)
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)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 4	(755 × 997 × 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
Net Weight		kg	(140 x 2) + (127 x 2)	(140 x 3) + (127 x 1)
		lbs	(309 x 2) + (280 x 2)	(309 x 3) + (280 x 1)
Sound Pressure Level [3]	Cooling	dB(A)	61	59
	Heating	dB(A)	63	65
Sound Power Level [4]	Cooling	dB(A)	75	71
	Heating	dB(A)	77	77
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	3.0 + 3.0 + 5.8 + 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
	t-CO2 eq		36.740	30.895
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	62.21 - 59.10 - 56.96	63.21 - 60.05 - 57.88
	Heating		64.83 - 61.58 - 59.36	65.92 - 62.62 - 60.36
Maximum Connectable Number of Indoor Units***			64	64

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

1. Specifications

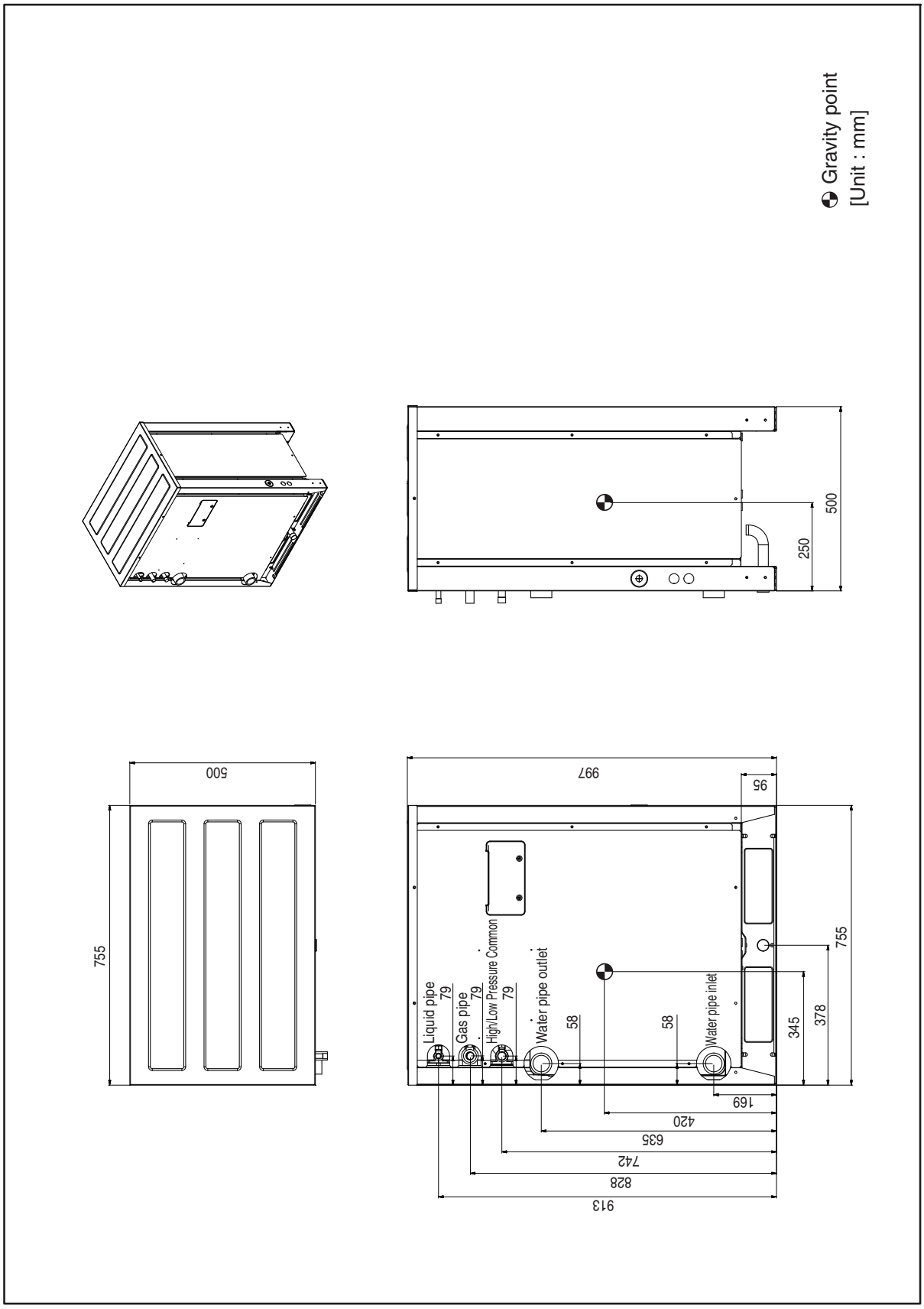
System Capacity		HP	74	80
Model Name		Combination Unit	ARWB740LAS4	ARWB800LAS4
		Independent Unit	ARWB200LAS4	ARWB200LAS4
			ARWB200LAS4	ARWB200LAS4
			ARWB200LAS4	ARWB200LAS4
			ARWB140LAS4	ARWB200LAS4
Capacity	Cooling	kW	207.2	224.0
		kcal/h	178,300	192,800
		Btu/h	707,100	764,400
	Heating	kW	233.1	252.0
		kcal/h	200,500	216,800
		Btu/h	795,500	860,000
Input	Cooling	kW	41.44	44.80
	Heating	kW	43.18	46.68
Casing Color			Warm Gray , Mornig Gray	Warm Gray , Mornig Gray
Compressor	Type		Hermetically Sealed Scroll	Hermetically Sealed Scroll
	Combination		(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
	Number of revolution	rev/min	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
	Starting Method		Direct On Line	Direct On Line
	Oil Type		FVC68D(PVE)	FVC68D(PVE)
Heat Exchanger	Type		Stainless Steel Plate	Stainless Steel Plate
	Maximum Pressure Resistance	kgf/cm^2	45	45
Rated Water Flow		LPM	192 + 192 + 192 + 135	192 + 192 + 192 + 192
Head Loss		kPa	30.1 + 30.1 + 30.1 + 28.6	30.1 + 30.1 + 30.1 + 30.1
Temp. range of Circulation water	Cooling		10°C ~ 45°C(50°F ~ 119°F)	10°C ~ 45°C(50°F ~ 122°F)
	Heating		-5°C ~ 45°C(23°F ~ 119°F)	-5°C ~ 45°C(23°F ~ 122°F)
Refrigerant Connecting Pipes	Liquid Pipes	mm(inch)	22.2(7/8)	22.2(7/8)
	Low Pressure Gas Pipes	mm(inch)	53.98(2-1/8)	53.98(2-1/8)
	High Pressure Gas Pipes	mm(inch)	44.5(1-3/4)	44.5(1-3/4)
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)	PT 20 (External Thread)
Dimensions(WxHxD)		mm	(755 × 997 × 500) x 4	(755 × 997 × 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
Net Weight		kg	(140 x 3) + (127 x 1)	140 x 4
		lbs	(309 x 3) + (280 x 1)	309 x 4
Sound Pressure Level [3]	Cooling	dB(A)	61	57
	Heating	dB(A)	63	63
Sound Power Level [4]	Cooling	dB(A)	75	71
	Heating	dB(A)	77	77
Transmission Cable(VCTF-SB)		$No.xmm^2$	2C × 1.0 ~ 1.5	2C × 1.0 ~ 1.5
Refrigerant	Name		R410A	R410A
	Charge Amount	kg	3.0 + 3.0 + 3.0 + 5.8	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
	t-CO2 eq		30.895	25.050
	Control Device		Electronic expansion valve	Electronic expansion valve
Power Supply		V, Ø, Hz	380 - 400 - 415, 3, 50/60	380 - 400 - 415, 3, 50/60
Running Current	Cooling	A	67.70 - 64.32 - 61.99	73.19 - 69.53 - 67.02
	Heating		70.54 - 67.02 - 64.59	76.26 - 72.45 - 69.83
Maximum Connectable Number of Indoor Units***			64	64

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And “Electric characteristics” chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
   Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
   Therefore, these values can be increased owing to ambient conditions during operation.
5. Sound values of combination model are calculated values based on sound results of independent models.
   Sound values can be increased owing to ambient or installation conditions during operation.
   Sound values of system [dB(A)] = 10*log [10^(A1/10)+ ... +10^(An/10)] , A1~An means sound values of independent models.
6. Performances are based on the following conditions :
   - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Water inlet temp. 30°C
   - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Water Inlet temp. 20°C
   - Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
7. *** : The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160~200%).
   The recommended ratio is 130%.
8. This product contains Fluorinated greenhouse gases.(R410A, GWP(Global warming potential) = 2,087.5)

2. Dimensions

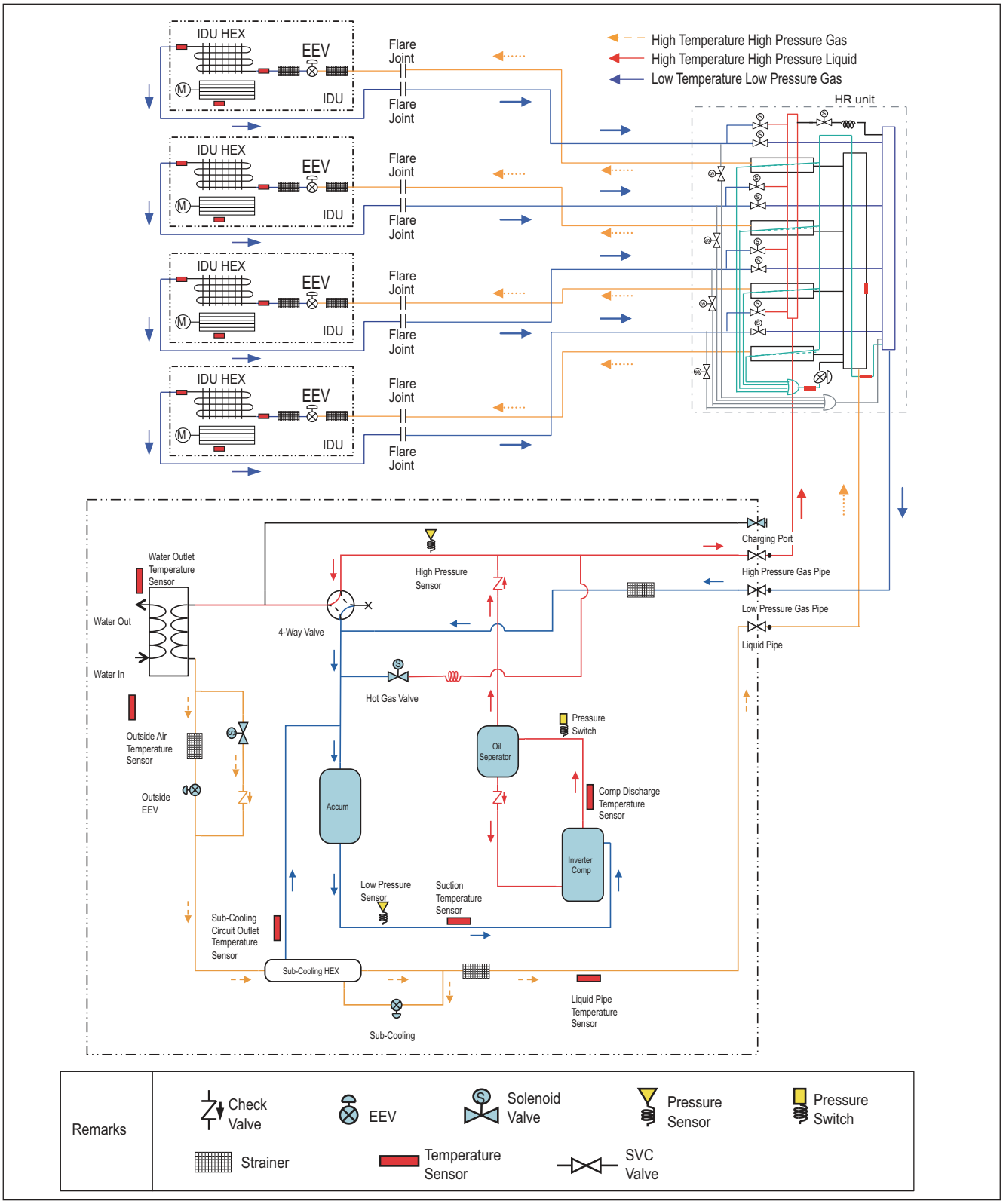
ARWB080LAS4 / ARWB100LAS4 / ARWB140LAS4 / ARWB200LAS4



3. Piping Diagrams

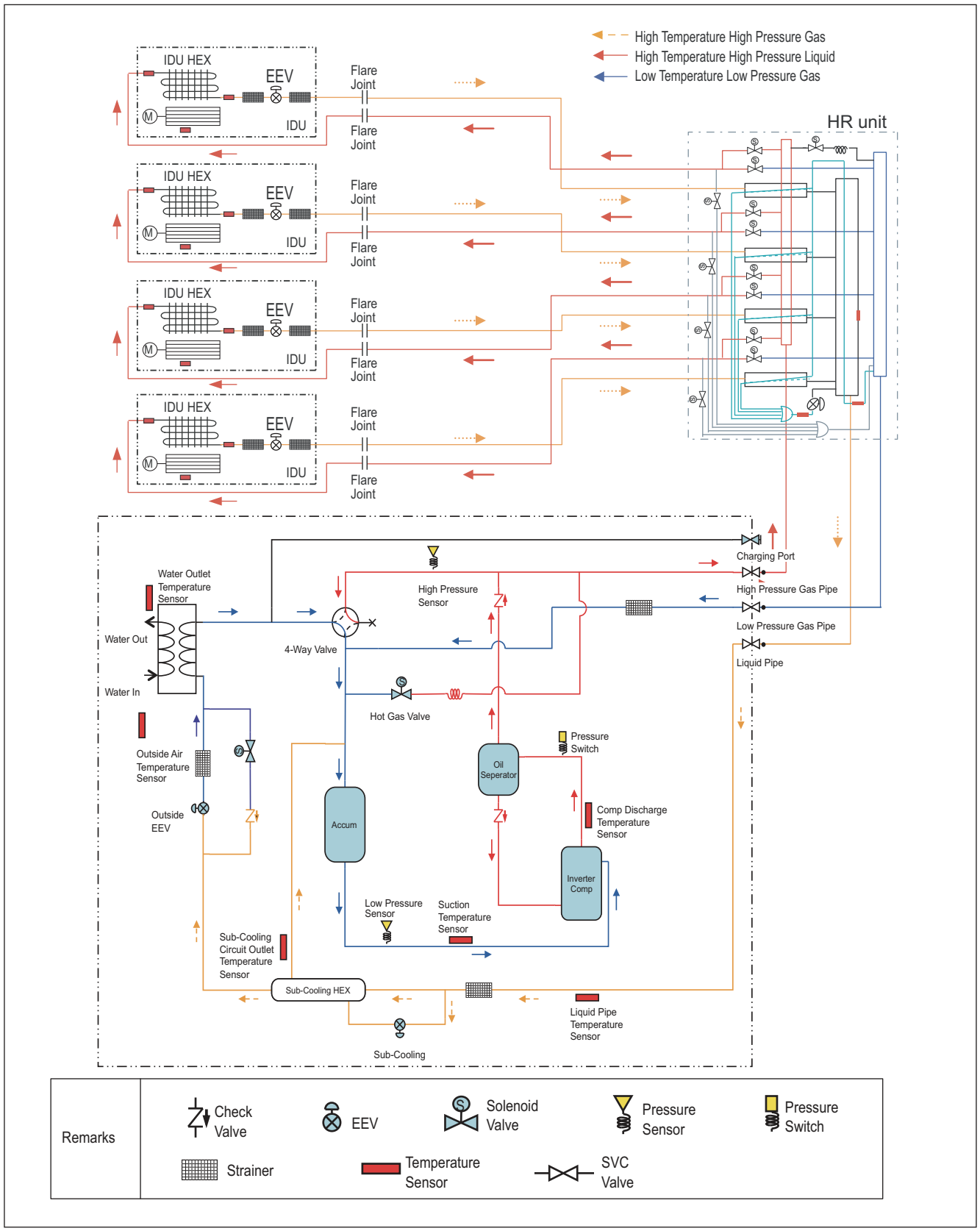
■ ARWB080LAS4, ARWB100LAS4, ARWB140LAS4, ARWB200LAS4

◆ Cooling Operation



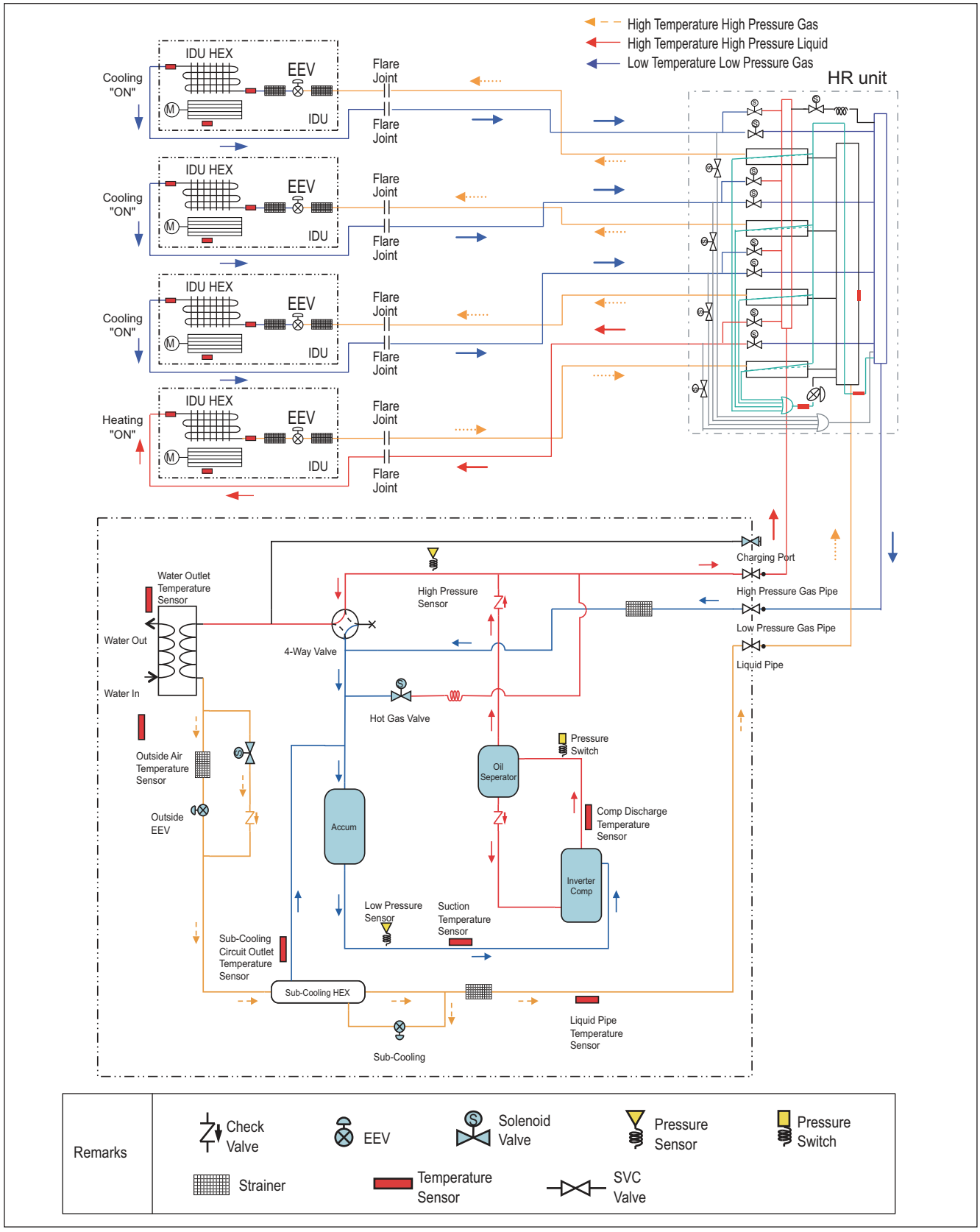
3. Piping Diagrams

◆ Heating Operation



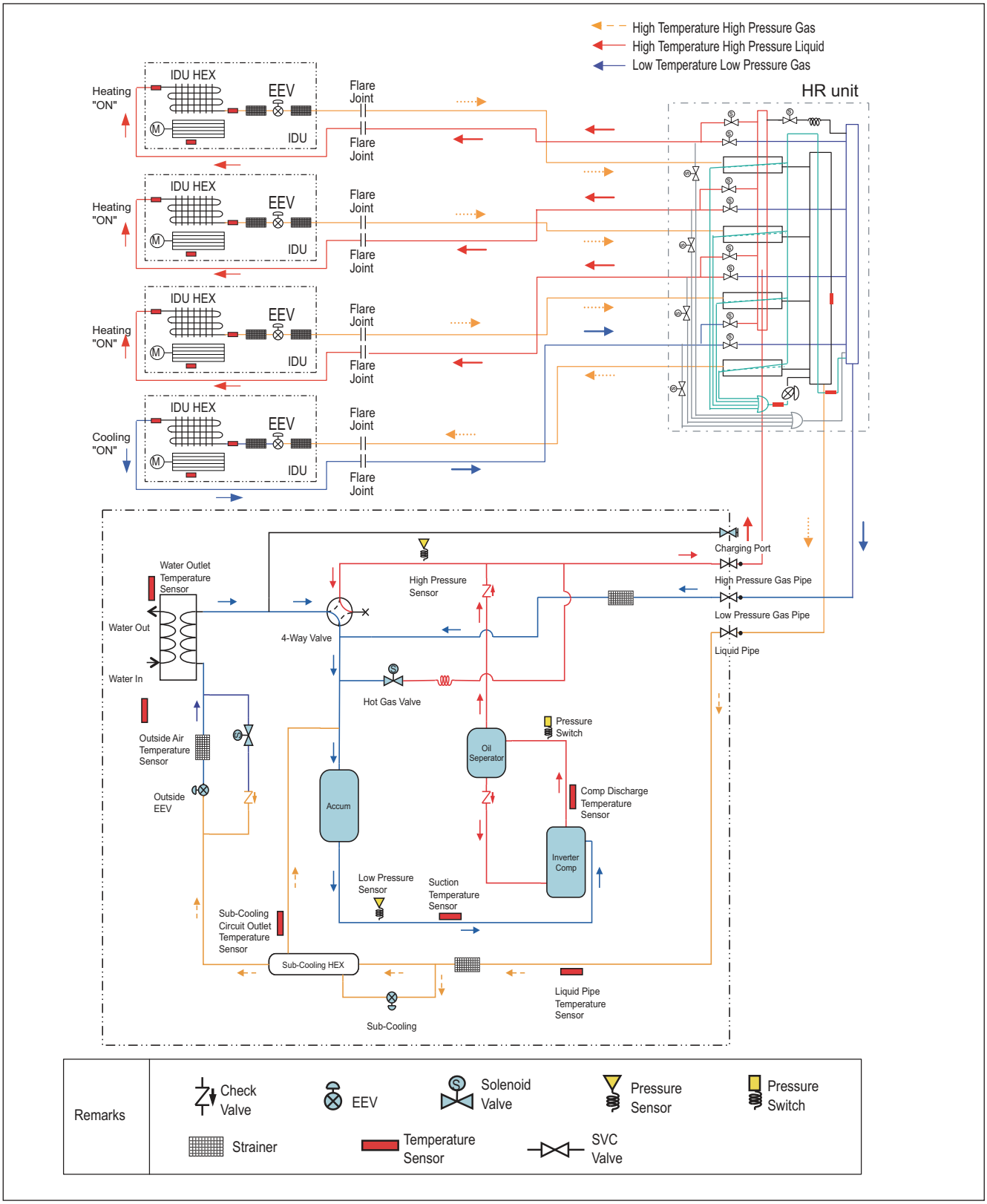
3. Piping Diagrams

◆ Simultaneous Operation Mode 1 (Cooling Based Operation)



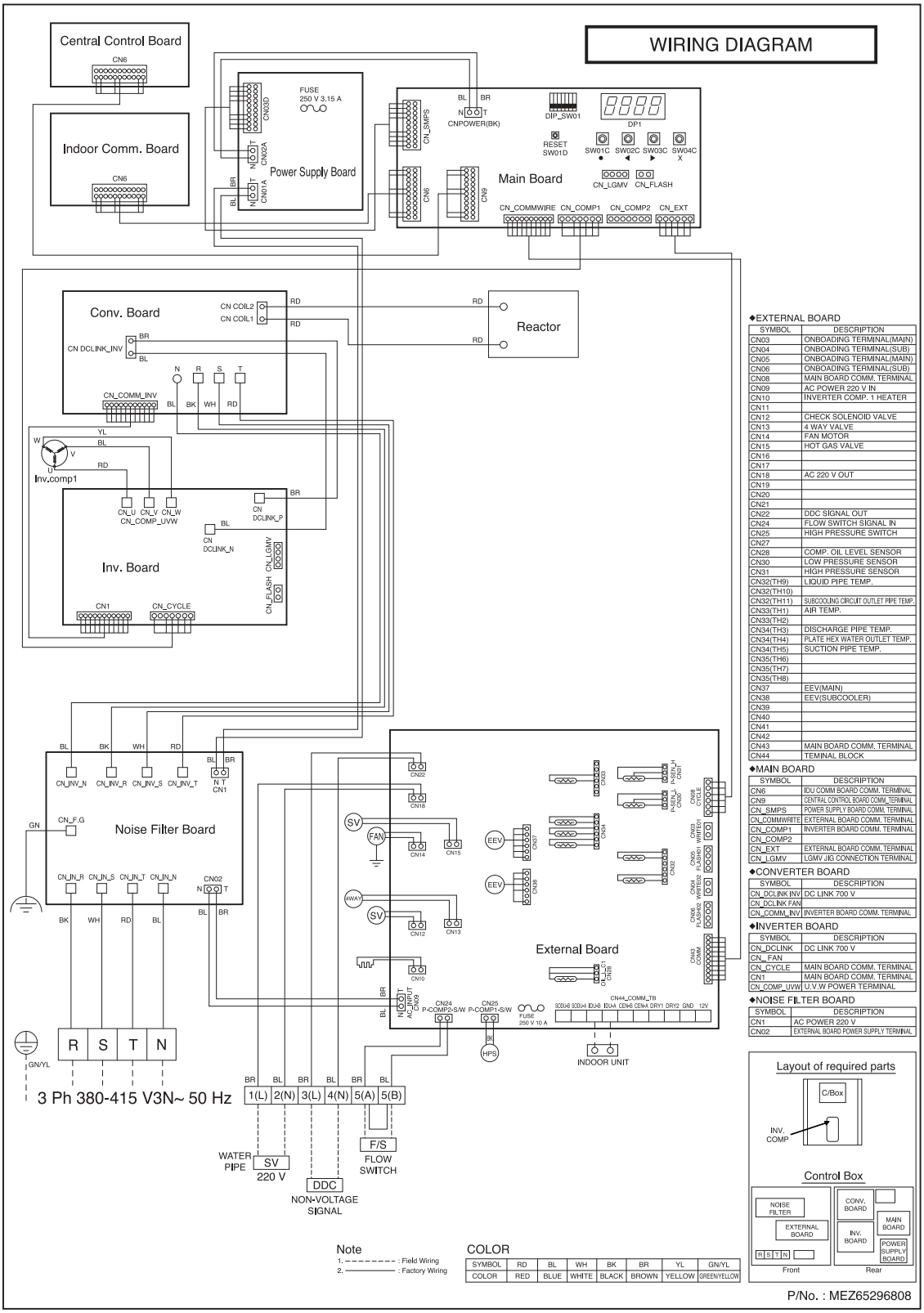
3. Piping Diagrams

◆ Simultaneous Operation Mode 2 (Heating Based Operation)



4. Wiring Diagrams

◆ ARWB080LAS4, ARWB100LAS4, ARWB140LAS4



◆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	CHECK SOLENOID VALVE
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
CN9	CENTRAL CONTROL 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 J/G 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

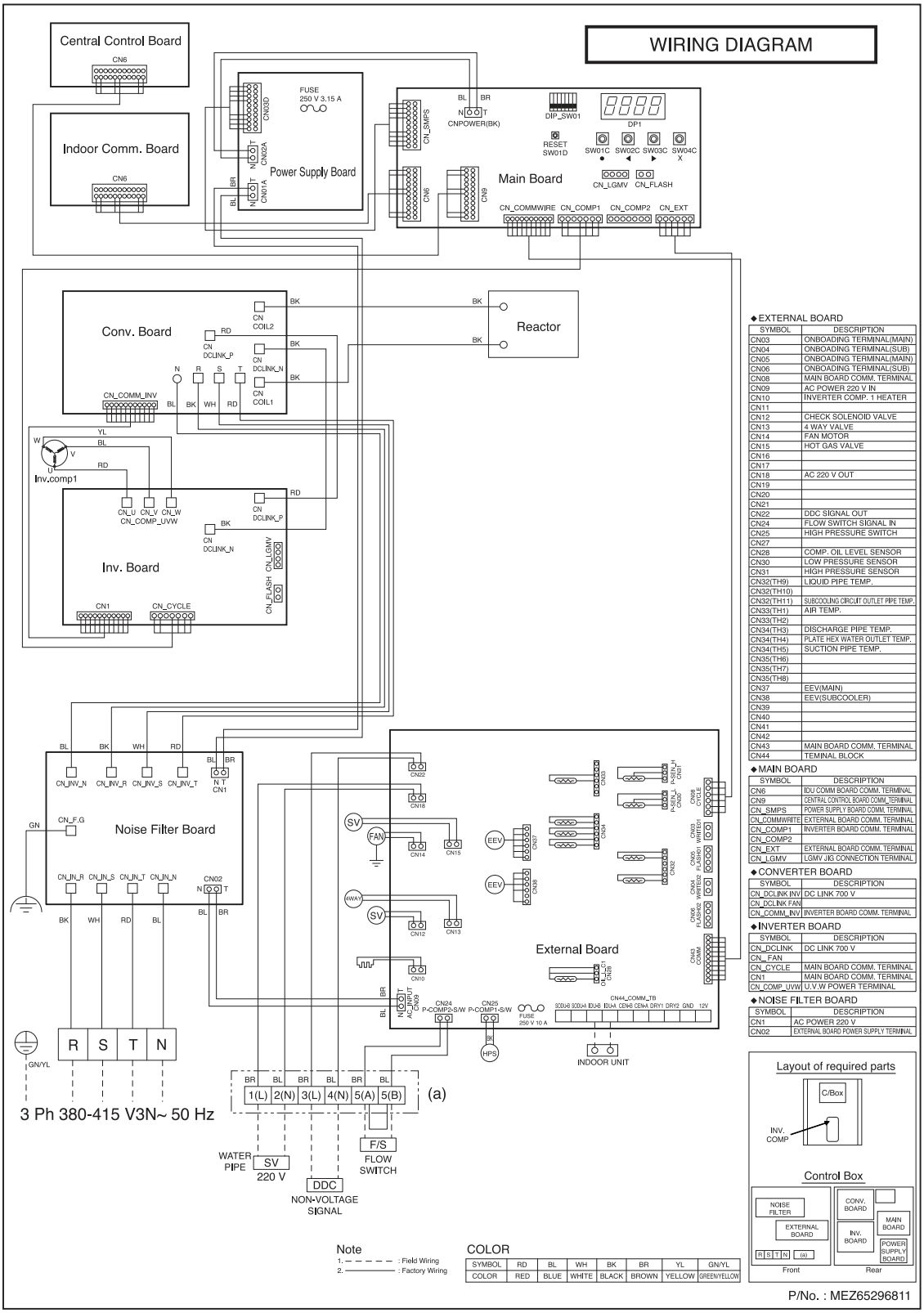
◆NOISE FILTER BOARD

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

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

4. Wiring Diagrams

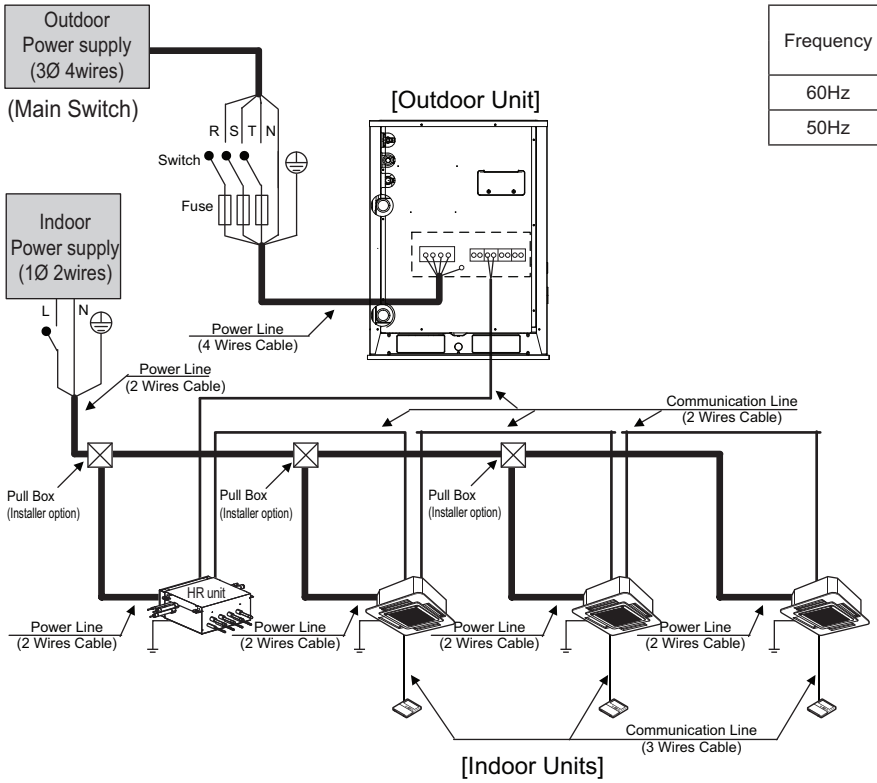
◆ ARWB200LAS4



5. Field Wiring

■ Example Connection of Communication Cable

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



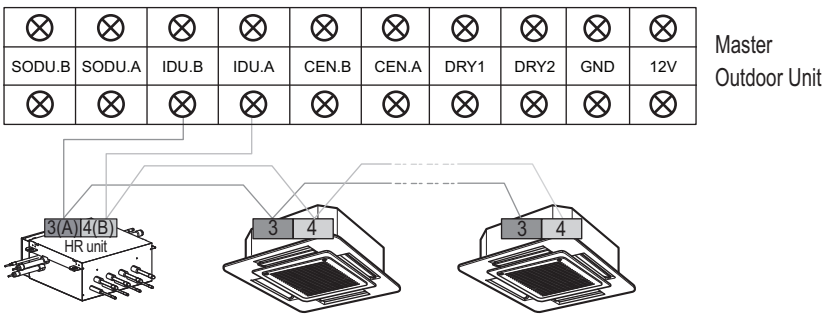
Frequency	Voltage range(V)	
	Outdoor	Indoor
60Hz	380	220
50Hz	380-415	220-240

⚠ 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 Outdoor unit

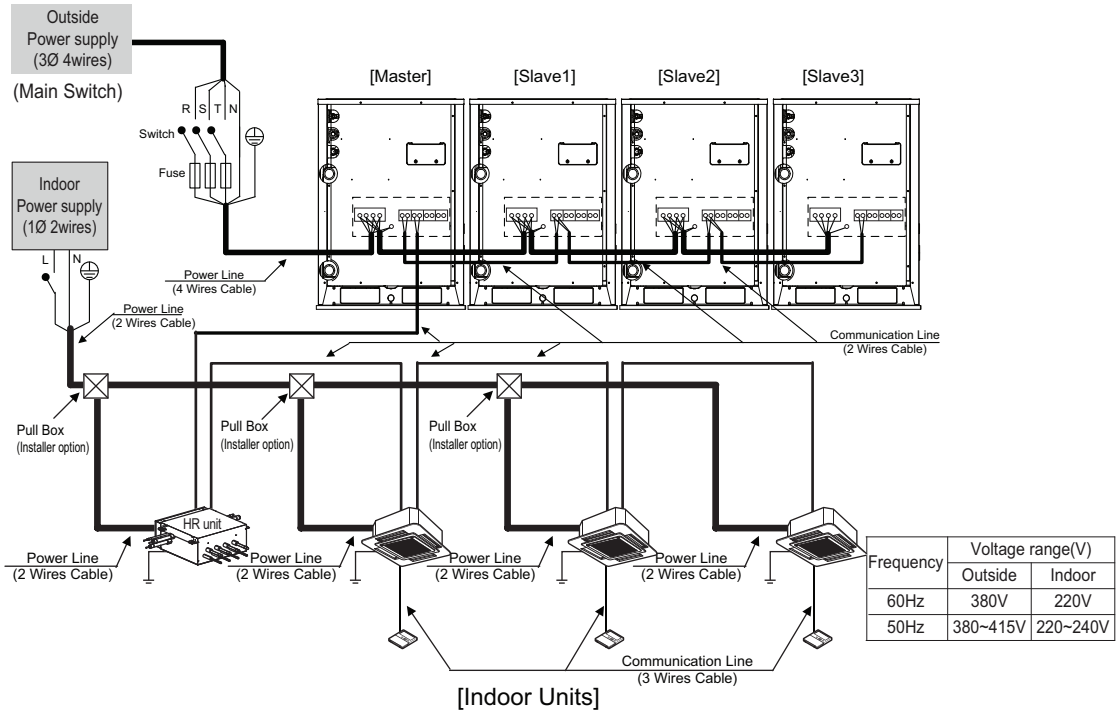


The GND terminal at the main PCB is a '-' terminal for day contact, it is not the point to make ground connection.

5. Field Wiring

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

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

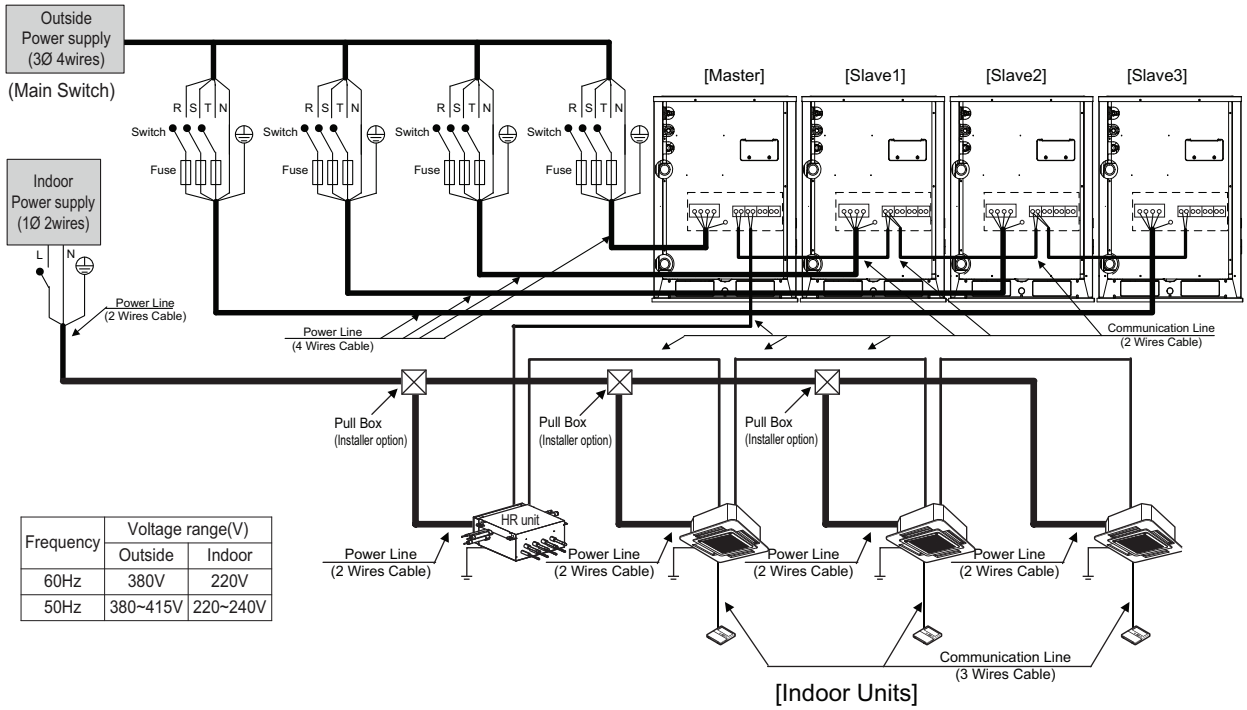


Frequency	Voltage range(V)	
	Outside	Indoor
60Hz	380V	220V
50Hz	380~415V	220~240V

⚠ 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

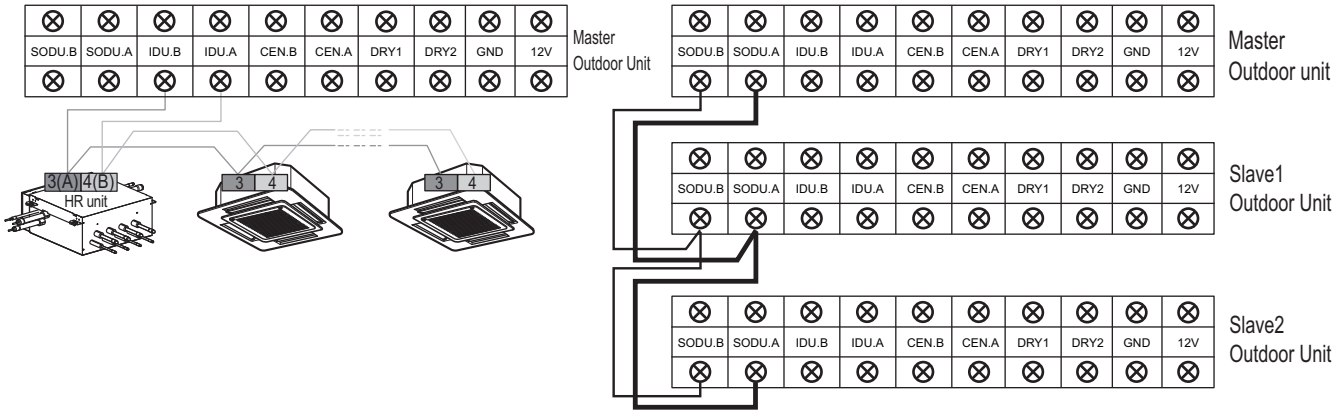
5. Field Wiring

⚠ 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



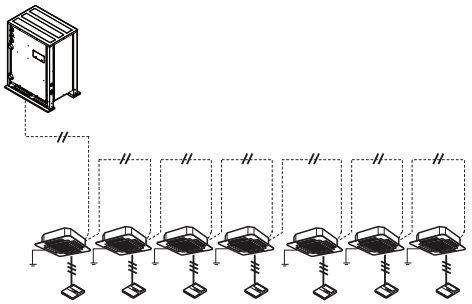
The GND terminal at the main PCB is a '-' terminal for dry contact. It is not the point to make ground connection.

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

■ Example Connection of Communication Cable

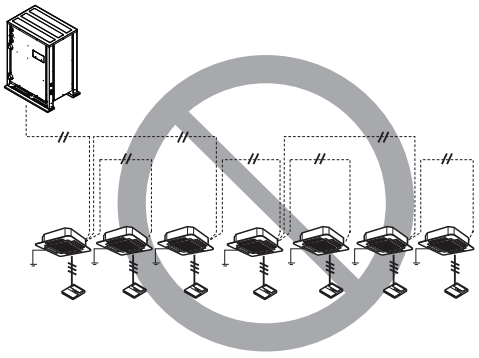
[BUS type]

- 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. Electrical Characteristics

■ Wiring of Main Power Supply and Equipment Capacity

1. Use a separate power supply for the Outside Unit and Indoor Unit.
2. Bear in mind ambient conditions (ambient temperature,direct sunlight, rain liquid,etc.) when proceeding with the wiring and connections
3. 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%.
4. Specific wiring requirements should adhere to the wiring regulations of the region.
5. Power supply cords of parts of appliances for outside use should not be lighter than polychloroprene sheathed flexible cord (design 60245 IEC57).
6. Don't install an individual switch or electrical outlet to disconnect each of indoor unit separately from the power supply.

⚠ WARNING

- **Follow ordinance of local regulation 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.**
- **All installation site must require attachment of an earth leakage breaker. If no earth leakage breaker is installed, it may cause an electric shock.**

⚠ CAUTION

- **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. Electrical 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	-	6.31	6.86
10HP	50	380-415	Min.:342,Max:456	18.6	25	24	-	8.32	8.72
14HP	50	380-415	Min.:342,Max:456	20.0	25	24	-	12.81	13.35
20HP	50	380-415	Min.:342,Max:456	29.0	35	32	-	18.3	19.07
16HP	50	380-415	Min.:342,Max:456	35.8	50	48	-	12.61	13.72
18HP	50	380-415	Min.:342,Max:456	36.5	50	48	-	14.62	15.59
22HP	50	380-415	Min.:342,Max:456	37.9	50	48	-	19.11	20.21
24HP	50	380-415	Min.:342,Max:456	38.6	50	48	-	21.12	22.07
28HP	50	380-415	Min.:342,Max:456	40.0	50	48	-	25.62	26.69
30HP	50	380-415	Min.:342,Max:456	47.6	60	56	-	26.61	27.79
34HP	50	380-415	Min.:342,Max:456	49.0	60	56	-	31.11	32.41
40HP	50	380-415	Min.:342,Max:456	58.0	70	64	-	36.59	38.13
42HP	50	380-415	Min.:342,Max:456	66.9	85	80	-	37.41	39.27
44HP	50	380-415	Min.:342,Max:456	67.6	85	80	-	39.42	41.14
48HP	50	380-415	Min.:342,Max:456	69.0	85	80	-	43.91	45.76
50HP	50	380-415	Min.:342,Max:456	76.6	95	88	-	44.91	46.85
54HP	50	380-415	Min.:342,Max:456	78.0	95	88	-	49.40	51.48
60HP	50	380-415	Min.:342,Max:456	87.0	105	96	-	54.89	57.20
62HP	50	380-415	Min.:342,Max:456	95.9	120	112	-	55.71	58.34
64HP	50	380-415	Min.:342,Max:456	96.6	120	112	-	57.72	60.20
68HP	50	380-415	Min.:342,Max:456	98.0	120	112	-	62.21	64.83
70HP	50	380-415	Min.:342,Max:456	105.6	130	120	-	63.21	65.92
74HP	50	380-415	Min.:342,Max:456	107.0	130	120	-	67.70	70.54
80HP	50	380-415	Min.:342,Max:456	116.0	140	128	-	73.19	76.26

Note

1. Voltage supplied to the unit terminals should be within the minimum and maximum range.
2. Maximum allowable voltage unbalance between phase is 2%.
3. MSC means the Max. current during the starting of compressor.
4. MSC and RLA are measured as the compressor only test condition.
5. OFM are measured as the outside unit test condition.
6. TOCA means the total over current value of each outside unit.
7. Select the wire size based on the larger value among MCA or TOCA.
8. MFA is used to select the circuit breaker and ground fault circuit interrupter, and all installation site must requirement attachment of an earth leakage breaker.[circuit breaker type is ELCB (Earth Leakage Circuit Breaker)].
9. Select the electrical equipment of combination unit according to the electrical characteristics of individual unit.

Symbols

MCA : Minimum Circuit Amperes (A)
TOCA : Total Over Current Amperes (A)
MFA : Maximum Fuse Amperes (A)
MSC : Maximum Starting Current (A)
RLA : Rated Load Amperes (A)
OFM : Outside Fan Motor
kW : Fan Motor rated output (kW)
FLA : Full Load Amperes (A)

6. Electrical 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	-	6.31	6.86
10HP	60	380	Min.:342,Max:418	18.6	25	24	-	8.32	8.72
14HP	60	380	Min.:342,Max:418	20.0	25	24	-	12.81	13.35
20HP	60	380	Min.:342,Max:418	29.0	35	32	-	18.3	19.07
16HP	60	380	Min.:342,Max:418	35.8	50	48	-	12.61	13.72
18HP	60	380	Min.:342,Max:418	36.5	50	48	-	14.62	15.59
22HP	60	380	Min.:342,Max:418	37.9	50	48	-	19.11	20.21
24HP	60	380	Min.:342,Max:418	38.6	50	48	-	21.12	22.07
28HP	60	380	Min.:342,Max:418	40.0	50	48	-	25.62	26.69
30HP	60	380	Min.:342,Max:418	47.6	60	56	-	26.61	27.79
34HP	60	380	Min.:342,Max:418	49.0	60	56	-	31.11	32.41
40HP	60	380	Min.:342,Max:418	58.0	70	64	-	36.59	38.13
42HP	60	380	Min.:342,Max:418	66.9	85	80	-	37.41	39.27
44HP	60	380	Min.:342,Max:418	67.6	85	80	-	39.42	41.14
48HP	60	380	Min.:342,Max:418	69.0	85	80	-	43.91	45.76
50HP	60	380	Min.:342,Max:418	76.6	95	88	-	44.91	46.85
54HP	60	380	Min.:342,Max:418	78.0	95	88	-	49.40	51.48
60HP	60	380	Min.:342,Max:418	87.0	105	96	-	54.89	57.20
62HP	60	380	Min.:342,Max:418	95.9	120	112	-	55.71	58.34
64HP	60	380	Min.:342,Max:418	96.6	120	112	-	57.72	60.20
68HP	60	380	Min.:342,Max:418	98.0	120	112	-	62.21	64.83
70HP	60	380	Min.:342,Max:418	105.6	130	120	-	63.21	65.92
74HP	60	380	Min.:342,Max:418	107.0	130	120	-	67.70	70.54
80HP	60	380	Min.:342,Max:418	116.0	140	128	-	73.19	76.26

Note

1. Voltage supplied to the unit terminals should be within the minimum and maximum range.
2. Maximum allowable voltage unbalance between phase is 2%.
3. MSC means the Max. current during the starting of compressor.
4. MSC and RLA are measured as the compressor only test condition.
5. OFM are measured as the outside unit test condition.
6. TOCA means the total over current value of each outside unit.
7. Select the wire size based on the larger value among MCA or TOCA.
8. MFA is used to select the circuit breaker and ground fault circuit interrupter, and all installation site must requirement attachment of an earth leakage breaker.[circuit breaker type is ELCB (Earth Leakage Circuit Breaker)].
9. Select the electrical equipment of combination unit according to the electrical characteristics of individual unit.

Symbols

MCA : Minimum Circuit Amperes (A)
TOCA : Total Over Current Amperes (A)
MFA : Maximum Fuse Amperes (A)
MSC : Maximum Starting Current (A)
RLA : Rated Load Amperes (A)
OFM : Outside Fan Motor
kW : Fan Motor rated output (kW)
FLA : Full Load Amperes (A)

7. Capacity tables

7.1 Cooling Capacity

7.1.1 Single Unit

◆ ARWB080LSA4

Cooling Capacity (8 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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

7. Capacity tables

Cooling Capacity (8 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (8 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (8 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (8 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB100LSA4

Cooling Capacity (10 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (10 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (10 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (10 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (10 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB140LSA4

Cooling Capacity (14 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (14 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (14 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (14 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (14 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB200LSA4

Cooling Capacity (20 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (20 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (20 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (20 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (20 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

7.1.2 2 Units Combination

◆ ARWB160LSA4

Cooling Capacity (16 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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	41.6	2.58	45.0	3.04	49.2	3.54	53.4	3.98	55.0	4.10	57.0	4.16	58.6	4.20
		77.0	41.6	2.54	45.0	2.98	49.2	3.48	53.4	3.92	55.0	4.02	57.0	4.10	58.6	4.16
		154.0	41.6	2.36	45.0	2.80	49.2	3.26	53.4	3.66	55.0	3.72	57.0	3.84	58.6	3.94
		192.6	41.6	2.28	45.0	2.74	49.2	3.18	53.4	3.58	55.0	3.68	57.0	3.76	58.6	3.84
		231.0	41.6	2.26	45.0	2.70	49.2	3.16	53.4	3.54	55.0	3.66	57.0	3.72	58.6	3.78
	15	61.6	41.0	3.42	44.4	3.98	48.4	4.64	52.6	5.22	54.0	5.36	56.2	5.48	57.8	5.56
		77.0	41.0	3.36	44.4	3.92	48.4	4.56	52.6	5.14	54.0	5.26	56.2	5.38	57.8	5.48
		154.0	41.0	3.08	44.4	3.66	48.4	4.26	52.6	4.80	54.0	4.92	56.2	5.06	57.8	5.16
		192.6	41.0	3.00	44.4	3.58	48.4	4.18	52.6	4.70	54.0	4.82	56.2	4.94	57.8	5.04
		231.0	41.0	2.96	44.4	3.54	48.4	4.14	52.6	4.64	54.0	4.78	56.2	4.90	57.8	4.98
	20	61.6	40.4	4.16	43.8	4.82	47.6	5.62	51.8	6.34	53.4	6.48	55.4	6.62	57.0	6.76
		77.0	40.4	4.08	43.8	4.74	47.6	5.52	51.8	6.22	53.4	6.36	55.4	6.52	57.0	6.64
		154.0	40.4	3.74	43.8	4.44	47.6	5.16	51.8	5.82	53.4	5.96	55.4	6.12	57.0	6.24
		192.6	40.4	3.64	43.8	4.34	47.6	5.06	51.8	5.70	53.4	5.84	55.4	6.00	57.0	6.10
		231.0	40.4	3.58	43.8	4.28	47.6	5.00	51.8	5.64	53.4	5.78	55.4	5.94	57.0	6.04
	25	61.6	40.4	5.12	43.8	5.94	47.6	6.92	51.8	7.80	53.4	7.98	55.4	8.18	57.0	8.32
		77.0	40.4	5.02	43.8	5.84	47.6	6.80	51.8	7.66	53.4	7.86	55.4	8.06	57.0	8.20
		154.0	40.4	4.62	43.8	5.48	47.6	6.36	51.8	7.18	53.4	7.36	55.4	7.54	57.0	7.70
		192.6	40.4	4.50	43.8	5.36	47.6	6.24	51.8	7.04	53.4	7.22	55.4	7.40	57.0	7.52
		231.0	40.4	4.44	43.8	5.30	47.6	6.18	51.8	6.96	53.4	7.14	55.4	7.34	57.0	7.44
	30	61.6	40.4	6.14	43.8	7.14	47.6	8.30	51.8	9.36	53.4	9.58	55.4	9.82	57.0	9.98
		77.0	40.4	6.02	43.8	7.02	47.6	8.18	51.8	9.22	53.4	9.42	55.4	9.66	57.0	9.82
		154.0	40.4	5.52	43.8	6.56	47.6	7.64	51.8	8.62	53.4	8.82	55.4	9.06	57.0	9.24
		192.6	40.4	5.38	43.8	6.42	47.6	7.50	51.8	8.44	53.4	8.66	55.4	8.88	57.0	9.04
		231.0	40.4	5.32	43.8	6.36	47.6	7.42	51.8	8.36	53.4	8.58	55.4	8.80	57.0	8.94
	35	61.6	36.4	6.22	39.4	7.22	42.8	8.40	46.6	9.48	48.0	9.68	49.8	9.92	51.2	10.10
		77.0	36.4	6.08	39.4	7.10	42.8	8.26	46.6	9.32	48.0	9.52	49.8	9.78	51.2	9.94
		154.0	36.4	5.60	39.4	6.64	42.8	7.74	46.6	8.70	48.0	8.94	49.8	9.16	51.2	9.34
		192.6	36.4	5.44	39.4	6.50	42.8	7.58	46.6	8.52	48.0	8.76	49.8	8.98	51.2	9.14
		231.0	36.4	5.36	39.4	6.42	42.8	7.50	46.6	8.44	48.0	8.66	49.8	8.90	51.2	9.04
	40	61.6	32.2	6.56	35.0	7.62	38.0	8.86	41.4	9.98	42.6	10.22	44.4	10.46	45.6	10.66
		77.0	32.2	6.42	35.0	7.50	38.0	8.72	41.4	9.82	42.6	10.06	44.4	10.30	45.6	10.50
		154.0	32.2	5.90	35.0	7.00	38.0	8.16	41.4	9.18	42.6	9.40	44.4	9.66	45.6	9.86
		192.6	32.2	5.74	35.0	6.84	38.0	7.98	41.4	9.00	42.6	9.22	44.4	9.48	45.6	9.64
		231.0	32.2	5.66	35.0	6.76	38.0	7.90	41.4	8.92	42.6	9.14	44.4	9.38	45.6	9.52
	45	61.6	28.2	6.90	30.6	8.00	33.2	9.32	36.2	10.50	37.2	10.76	38.8	10.98	39.8	11.20
		77.0	28.2	6.76	30.6	7.88	33.2	9.18	36.2	10.34	37.2	10.58	38.8	10.82	39.8	11.04
		154.0	28.2	6.20	30.6	7.36	33.2	8.58	36.2	9.66	37.2	9.88	38.8	10.18	39.8	10.38
		192.6	28.2	6.04	30.6	7.20	33.2	8.38	36.2	9.48	37.2	9.70	38.8	9.96	39.8	10.12
		231.0	28.2	5.96	30.6	7.10	33.2	8.30	36.2	9.38	37.2	9.62	38.8	9.86	39.8	10.00
120	10	61.6	39.4	2.48	42.6	2.86	46.4	3.36	50.6	3.76	52.0	3.88	54.0	3.96	55.6	4.04
		77.0	39.4	2.42	42.6	2.80	46.4	3.30	50.6	3.70	52.0	3.82	54.0	3.90	55.6	3.96
		154.0	39.4	2.22	42.6	2.62	46.4	3.06	50.6	3.48	52.0	3.54	54.0	3.64	55.6	3.68
		192.6	39.4	2.18	42.6	2.58	46.4	3.04	50.6	3.40	52.0	3.46	54.0	3.58	55.6	3.62
		231.0	39.4	2.18	42.6	2.54	46.4	3.02	50.6	3.36	52.0	3.44	54.0	3.54	55.6	3.60
	15	61.6	39.0	3.28	42.2	3.80	46.0	4.44	50.0	5.00	51.4	5.12	53.4	5.24	55.0	5.34
		77.0	39.0	3.22	42.2	3.74	46.0	4.36	50.0	4.92	51.4	5.04	53.4	5.16	55.0	5.24
		154.0	39.0	2.94	42.2	3.50	46.0	4.08	50.0	4.60	51.4	4.70	53.4	4.82	55.0	4.92
		192.6	39.0	2.88	42.2	3.42	46.0	4.00	50.0	4.50	51.4	4.62	53.4	4.74	55.0	4.80
		231.0	39.0	2.84	42.2	3.38	46.0	3.96	50.0	4.46	51.4	4.58	53.4	4.70	55.0	4.76
	20	61.6	38.6	4.00	41.8	4.64	45.4	5.40	49.4	6.08	50.8	6.22	52.8	6.38	54.4	6.48
		77.0	38.6	3.92	41.8	4.56	45.4	5.32	49.4	5.98	50.8	6.12	52.8	6.28	54.4	6.38
		154.0	38.6	3.60	41.8	4.26	45.4	4.96	49.4	5.60	50.8	5.74	52.8	5.88	54.4	6.00
		192.6	38.6	3.50	41.8	4.18	45.4	4.86	49.4	5.50	50.8	5.64	52.8	5.78	54.4	5.86
		231.0	38.6	3.44	41.8	4.14	45.4	4.80	49.4	5.44	50.8	5.58	52.8	5.72	54.4	5.80
	25	61.6	38.6	4.90	41.8	5.68	45.4	6.64	49.4	7.48	50.8	7.66	52.8	7.84	54.4	7.98
		77.0	38.6	4.80	41.8	5.60	45.4	6.52	49.4	7.36	50.8	7.52	52.8	7.72	54.4	7.86
		154.0	38.6	4.42	41.8	5.24	45.4	6.10	49.4	6.88	50.8	7.04	52.8	7.22	54.4	7.36
		192.6	38.6	4.30	41.8	5.12	45.4	5.98	49.4	6.74	50.8	6.92	52.8	7.08	54.4	7.20
		231.0	38.6	4.24	41.8	5.06	45.4	5.92	49.4	6.66	50.8	6.86	52.8	7.02	54.4	7.10
	30	61.6	38.6	5.92	41.8	6.88	45.4	8.02	49.4	9.04	50.8	9.26	52.8	9.48	54.4	9.64
		77.0	38.6	5.80	41.8	6.78	45.4	7.90	49.4	8.90	50.8	9.10	52.8	9.34	54.4	9.50
		154.0	38.6	5.36	41.8	6.34	45.4	7.38	49.4	8.32	50.8	8.50	52.8	8.74	54.4	8.92
		192.6	38.6	5.20	41.8	6.20	45.4	7.22	49.4	8.14	50.8	8.36	52.8	8.58	54.4	8.70
		231.0	38.6	5.12	41.8	6.12	45.4	7.16	49.4	8.06	50.8	8.28	52.8	8.50	54.4	8.60
	35	61.6	35.2	6.06	38.2	7.06	41.6	8.22	45.2	9.26	46.6	9.48	48.4	9.72	49.8	9.90
		77.0	35.2	5.94	38.2	6.94	41.6	8.08	45.2	9.10	46.6	9.34	48.4	9.56	49.8	9.74
		154.0	35.2	5.48	38.2	6.50	41.6	7.56	45.2	8.52	46.6	8.74	48.4	8.96	49.8	9.12
		192.6	35.2	5.34	38.2	6.36	41.6	7.40	45.2	8.36	46.6	8.56	48.4	8.80	49.8	8.92
		231.0	35.2	5.26	38.2	6.28	41.6	7.32	45.2	8.26	46.6	8.48	48.4	8.70	49.8	8.80

7. Capacity tables

Cooling Capacity (16 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	40	61.6	32.0	6.54	34.6	7.60	37.8	8.84	41.0	9.96	42.2	10.20	44.0	10.44	45.2	10.64
		77.0	32.0	6.40	34.6	7.48	37.8	8.70	41.0	9.80	42.2	10.04	44.0	10.28	45.2	10.48
		154.0	32.0	5.90	34.6	6.98	37.8	8.14	41.0	9.18	42.2	9.38	44.0	9.64	45.2	9.82
		192.6	32.0	5.74	34.6	6.84	37.8	7.98	41.0	8.98	42.2	9.22	44.0	9.46	45.2	9.60
		231.0	32.0	5.66	34.6	6.78	37.8	7.90	41.0	8.88	42.2	9.12	44.0	9.36	45.2	9.48
	45	61.6	28.8	7.00	31.2	8.14	34.0	9.46	36.8	10.68	37.8	10.92	39.4	11.18	40.6	11.38
		77.0	28.8	6.86	31.2	8.00	34.0	9.32	36.8	10.50	37.8	10.74	39.4	11.00	40.6	11.22
		154.0	28.8	6.32	31.2	7.48	34.0	8.72	36.8	9.82	37.8	10.04	39.4	10.30	40.6	10.52
		192.6	28.8	6.14	31.2	7.34	34.0	8.56	36.8	9.62	37.8	9.86	39.4	10.12	40.6	10.28
		231.0	28.8	6.06	31.2	7.26	34.0	8.48	36.8	9.52	37.8	9.78	39.4	10.04	40.6	10.16
110	10	61.6	37.2	2.34	40.2	2.72	43.8	3.14	47.6	3.56	49.0	3.62	51.0	3.74	52.4	3.78
		77.0	37.2	2.30	40.2	2.68	43.8	3.10	47.6	3.50	49.0	3.56	51.0	3.66	52.4	3.72
		154.0	37.2	2.12	40.2	2.48	43.8	2.90	47.6	3.28	49.0	3.36	51.0	3.42	52.4	3.48
		192.6	37.2	2.04	40.2	2.44	43.8	2.84	47.6	3.22	49.0	3.28	51.0	3.34	52.4	3.44
		231.0	37.2	2.02	40.2	2.40	43.8	2.80	47.6	3.18	49.0	3.24	51.0	3.32	52.4	3.42
	15	61.6	37.0	3.14	40.0	3.64	43.6	4.22	47.4	4.76	48.8	4.86	50.8	5.00	52.0	5.08
		77.0	37.0	3.08	40.0	3.58	43.6	4.16	47.4	4.68	48.8	4.78	50.8	4.92	52.0	5.00
		154.0	37.0	2.82	40.0	3.34	43.6	3.90	47.4	4.38	48.8	4.50	50.8	4.60	52.0	4.68
		192.6	37.0	2.74	40.0	3.26	43.6	3.80	47.4	4.30	48.8	4.40	50.8	4.50	52.0	4.58
		231.0	37.0	2.70	40.0	3.22	43.6	3.76	47.4	4.26	48.8	4.36	50.8	4.46	52.0	4.52
	20	61.6	36.8	3.84	39.8	4.46	43.4	5.18	47.2	5.84	48.6	5.98	50.4	6.12	51.8	6.24
		77.0	36.8	3.76	39.8	4.38	43.4	5.10	47.2	5.74	48.6	5.88	50.4	6.02	51.8	6.14
		154.0	36.8	3.46	39.8	4.08	43.4	4.78	47.2	5.36	48.6	5.50	50.4	5.64	51.8	5.76
		192.6	36.8	3.36	39.8	4.00	43.4	4.66	47.2	5.26	48.6	5.40	50.4	5.54	51.8	5.60
		231.0	36.8	3.30	39.8	3.96	43.4	4.62	47.2	5.22	48.6	5.36	50.4	5.50	51.8	5.52
	25	61.6	36.8	4.68	39.8	5.46	43.4	6.34	47.2	7.16	48.6	7.30	50.4	7.48	51.8	7.62
		77.0	36.8	4.60	39.8	5.36	43.4	6.24	47.2	7.04	48.6	7.20	50.4	7.36	51.8	7.50
		154.0	36.8	4.22	39.8	5.02	43.4	5.84	47.2	6.58	48.6	6.74	50.4	6.92	51.8	7.04
		192.6	36.8	4.10	39.8	4.92	43.4	5.72	47.2	6.44	48.6	6.62	50.4	6.78	51.8	6.86
		231.0	36.8	4.04	39.8	4.86	43.4	5.66	47.2	6.36	48.6	6.56	50.4	6.70	51.8	6.78
	30	61.6	36.8	5.70	39.8	6.66	43.4	7.74	47.2	8.72	48.6	8.92	50.4	9.14	51.8	9.30
		77.0	36.8	5.60	39.8	6.54	43.4	7.62	47.2	8.58	48.6	8.78	50.4	9.00	51.8	9.16
		154.0	36.8	5.16	39.8	6.10	43.4	7.12	47.2	8.02	48.6	8.22	50.4	8.42	51.8	8.58
		192.6	36.8	5.02	39.8	5.98	43.4	6.96	47.2	7.86	48.6	8.06	50.4	8.26	51.8	8.36
		231.0	36.8	4.94	39.8	5.92	43.4	6.88	47.2	7.78	48.6	7.98	50.4	8.18	51.8	8.26
	35	61.6	34.2	5.94	37.0	6.90	40.4	8.04	44.0	9.06	45.2	9.26	47.0	9.50	48.2	9.68
		77.0	34.2	5.82	37.0	6.80	40.4	7.92	44.0	8.92	45.2	9.12	47.0	9.36	48.2	9.52
		154.0	34.2	5.36	37.0	6.36	40.4	7.40	44.0	8.34	45.2	8.54	47.0	8.76	48.2	8.92
		192.6	34.2	5.22	37.0	6.22	40.4	7.24	44.0	8.18	45.2	8.36	47.0	8.60	48.2	8.70
		231.0	34.2	5.14	37.0	6.14	40.4	7.16	44.0	8.10	45.2	8.28	47.0	8.52	48.2	8.60
	40	61.6	31.8	6.54	34.4	7.58	37.4	8.84	40.6	9.94	41.8	10.18	43.6	10.42	44.8	10.62
		77.0	31.8	6.40	34.4	7.46	37.4	8.70	40.6	9.80	41.8	10.02	43.6	10.26	44.8	10.46
		154.0	31.8	5.88	34.4	6.98	37.4	8.12	40.6	9.16	41.8	9.36	43.6	9.62	44.8	9.80
		192.6	31.8	5.72	34.4	6.82	37.4	7.96	40.6	8.98	41.8	9.20	43.6	9.44	44.8	9.56
		231.0	31.8	5.64	34.4	6.74	37.4	7.88	40.6	8.90	41.8	9.10	43.6	9.36	44.8	9.44
	45	61.6	29.2	7.12	31.6	8.26	34.6	9.66	37.4	10.84	38.6	11.10	40.2	11.36	41.2	11.56
		77.0	29.2	6.98	31.6	8.12	34.6	9.50	37.4	10.66	38.6	10.92	40.2	11.18	41.2	11.38
		154.0	29.2	6.40	31.6	7.62	34.6	8.84	37.4	9.98	38.6	10.20	40.2	10.48	41.2	10.70
		192.6	29.2	6.22	31.6	7.44	34.6	8.68	37.4	9.80	38.6	10.02	40.2	10.28	41.2	10.42
		231.0	29.2	6.14	31.6	7.36	34.6	8.60	37.4	9.70	38.6	9.94	40.2	10.18	41.2	10.28
100	10	61.6	35.0	2.18	37.8	2.56	41.2	2.96	44.8	3.32	46.2	3.40	48.0	3.52	49.2	3.60
		77.0	35.0	2.14	37.8	2.52	41.2	2.92	44.8	3.28	46.2	3.36	48.0	3.46	49.2	3.52
		154.0	35.0	1.98	37.8	2.32	41.2	2.74	44.8	3.10	46.2	3.18	48.0	3.24	49.2	3.28
		192.6	35.0	1.94	37.8	2.28	41.2	2.68	44.8	3.00	46.2	3.08	48.0	3.18	49.2	3.22
		231.0	35.0	1.92	37.8	2.26	41.2	2.66	44.8	2.96	46.2	3.04	48.0	3.14	49.2	3.20
	15	61.6	35.0	2.98	37.8	3.46	41.2	4.04	44.8	4.52	46.2	4.64	48.0	4.76	49.2	4.86
		77.0	35.0	2.92	37.8	3.40	41.2	3.96	44.8	4.46	46.2	4.56	48.0	4.68	49.2	4.78
		154.0	35.0	2.68	37.8	3.18	41.2	3.70	44.8	4.18	46.2	4.28	48.0	4.38	49.2	4.46
		192.6	35.0	2.62	37.8	3.10	41.2	3.64	44.8	4.08	46.2	4.20	48.0	4.30	49.2	4.36
		231.0	35.0	2.58	37.8	3.08	41.2	3.60	44.8	4.04	46.2	4.14	48.0	4.26	49.2	4.30
	20	61.6	35.0	3.66	37.8	4.26	41.2	4.98	44.8	5.60	46.2	5.72	48.0	5.86	49.2	5.98
		77.0	35.0	3.60	37.8	4.20	41.2	4.90	44.8	5.50	46.2	5.64	48.0	5.78	49.2	5.88
		154.0	35.0	3.32	37.8	3.94	41.2	4.56	44.8	5.14	46.2	5.26	48.0	5.40	49.2	5.50
		192.6	35.0	3.22	37.8	3.84	41.2	4.48	44.8	5.06	46.2	5.18	48.0	5.30	49.2	5.36
		231.0	35.0	3.16	37.8	3.80	41.2	4.44	44.8	5.00	46.2	5.14	48.0	5.24	49.2	5.28
	25	61.6	35.0	4.48	37.8	5.20	41.2	6.06	44.8	6.84	46.2	7.00	48.0	7.14	49.2	7.30
		77.0	35.0	4.38	37.8	5.12	41.2	5.96	44.8	6.72	46.2	6.88	48.0	7.04	49.2	7.18
		154.0	35.0	4.04	37.8	4.78	41.2	5.58	44.8	6.28	46.2	6.42	48.0	6.60	49.2	6.70
		192.6	35.0	3.94	37.8	4.68	41.2	5.46	44.8	6.16	46.2	6.30	48.0	6.48	49.2	6.52
		231.0	35.0	3.88	37.8	4.64	41.2	5.40	44.8	6.10	46.2	6.24	48.0	6.42	49.2	6.44
	30	61.6	35.0	5.52	37.8	6.40	41.2	7.46	44.8	8.40	46.2	8.60	48.0	8.80	49.2	8.98
		77.0	35.0	5.40	37.8	6.30	41.2	7.34	44.8	8.26	46.2	8.46	48.0	8.66	49.2	8.82
		154.0	35.0	4.96	37.8	5.88	41.2	6.86	44.8	7.72	46.2	7.90	48.0	8.10	49.2	8.24
		192.6	35.0	4.82	37.8	5.76	41.2	6.72	44.8	7.56	46.2	7.76	48.0	7.94	49.2	8.04
		231.0	35.0	4.76	37.8	5.70	41.2	6.66	44.8	7.48	46.2	7.68	48.0	7.86	49.2	7.94
	35	61.6	33.2	5.82	36.0	6.76	39.2	7.86	42.6	8.86	43.8	9.08	45.6	9.28	46.8	9.44
		77.0	33.2	5.70	36.0	6.64	39.2	7.74	42.6	8.72	43.8	8.94	45.6	9.14	46.8	9.30
		154.0	33.2	5.24	36.0	6.22	39.2	7.22	42.6	8.14	43.8	8.36	45.6	8.56	46.8	8.70
		192.6	33.2	5.08	36.0	6.08	39.2	7.08	42.6	7.98	43.8	8.20	45.6	8.40	46.8	8.48
		231.0	33.2	5.00	36.0	6.02	39.2	7.02	42.6	7.90	43.8	8.12	45.6	8.32	46.8	8.36

7. Capacity tables

Cooling Capacity (16 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	40	61.6	31.4	6.52	34.0	7.58	37.0	8.82	40.4	9.94	41.6	10.18	43.2	10.44	44.4	10.60
		77.0	31.4	6.38	34.0	7.46	37.0	8.68	40.4	9.78	41.6	10.02	43.2	10.26	44.4	10.44
		154.0	31.4	5.88	34.0	6.96	37.0	8.12	40.4	9.14	41.6	9.36	43.2	9.60	44.4	9.78
		192.6	31.4	5.72	34.0	6.82	37.0	7.94	40.4	8.96	41.6	9.20	43.2	9.42	44.4	9.50
		231.0	31.4	5.64	34.0	6.76	37.0	7.86	40.4	8.88	41.6	9.12	43.2	9.34	44.4	9.38
	45	61.6	29.6	7.22	32.2	8.40	35.0	9.78	38.0	11.00	39.2	11.30	40.6	11.58	42.0	11.76
		77.0	29.6	7.08	32.2	8.26	35.0	9.64	38.0	10.82	39.2	11.10	40.6	11.38	42.0	11.58
		154.0	29.6	6.50	32.2	7.72	35.0	9.02	38.0	10.14	39.2	10.36	40.6	10.64	42.0	10.84
		192.6	29.6	6.36	32.2	7.56	35.0	8.80	38.0	9.94	39.2	10.20	40.6	10.44	42.0	10.54
		231.0	29.6	6.28	32.2	7.48	35.0	8.70	38.0	9.86	39.2	10.12	40.6	10.34	42.0	10.40
90	10	61.6	31.4	1.90	34.0	2.20	37.0	2.52	40.4	2.88	41.6	2.96	43.2	3.04	44.4	3.10
		77.0	31.4	1.86	34.0	2.16	37.0	2.50	40.4	2.84	41.6	2.90	43.2	2.98	44.4	3.04
		154.0	31.4	1.72	34.0	2.02	37.0	2.36	40.4	2.66	41.6	2.72	43.2	2.78	44.4	2.84
		192.6	31.4	1.66	34.0	2.00	37.0	2.30	40.4	2.60	41.6	2.66	43.2	2.74	44.4	2.76
		231.0	31.4	1.62	34.0	1.98	37.0	2.26	40.4	2.56	41.6	2.64	43.2	2.70	44.4	2.70
	15	61.6	31.4	2.56	34.0	2.98	37.0	3.46	40.4	3.90	41.6	4.00	43.2	4.10	44.4	4.18
		77.0	31.4	2.50	34.0	2.94	37.0	3.40	40.4	3.84	41.6	3.94	43.2	4.04	44.4	4.10
		154.0	31.4	2.32	34.0	2.74	37.0	3.20	40.4	3.60	41.6	3.68	43.2	3.78	44.4	3.84
		192.6	31.4	2.24	34.0	2.68	37.0	3.12	40.4	3.52	41.6	3.62	43.2	3.70	44.4	3.74
		231.0	31.4	2.22	34.0	2.66	37.0	3.08	40.4	3.50	41.6	3.58	43.2	3.66	44.4	3.68
	20	61.6	31.4	3.16	34.0	3.68	37.0	4.28	40.4	4.82	41.6	4.92	43.2	5.04	44.4	5.14
		77.0	31.4	3.08	34.0	3.62	37.0	4.22	40.4	4.74	41.6	4.84	43.2	4.96	44.4	5.06
		154.0	31.4	2.84	34.0	3.36	37.0	3.94	40.4	4.42	41.6	4.54	43.2	4.64	44.4	4.74
		192.6	31.4	2.78	34.0	3.30	37.0	3.86	40.4	4.36	41.6	4.46	43.2	4.56	44.4	4.62
		231.0	31.4	2.74	34.0	3.26	37.0	3.82	40.4	4.32	41.6	4.42	43.2	4.52	44.4	4.56
	25	61.6	31.4	3.84	34.0	4.48	37.0	5.20	40.4	5.86	41.6	6.02	43.2	6.16	44.4	6.28
		77.0	31.4	3.78	34.0	4.40	37.0	5.12	40.4	5.78	41.6	5.92	43.2	6.06	44.4	6.18
		154.0	31.4	3.48	34.0	4.12	37.0	4.78	40.4	5.40	41.6	5.52	43.2	5.66	44.4	5.78
		192.6	31.4	3.36	34.0	4.04	37.0	4.70	40.4	5.30	41.6	5.42	43.2	5.56	44.4	5.64
		231.0	31.4	3.32	34.0	4.00	37.0	4.66	40.4	5.24	41.6	5.36	43.2	5.50	44.4	5.56
	30	61.6	31.4	4.74	34.0	5.52	37.0	6.42	40.4	7.22	41.6	7.40	43.2	7.58	44.4	7.72
		77.0	31.4	4.64	34.0	5.42	37.0	6.32	40.4	7.10	41.6	7.28	43.2	7.46	44.4	7.60
		154.0	31.4	4.26	34.0	5.08	37.0	5.90	40.4	6.64	41.6	6.80	43.2	6.98	44.4	7.10
		192.6	31.4	4.16	34.0	4.96	37.0	5.78	40.4	6.50	41.6	6.68	43.2	6.84	44.4	6.92
		231.0	31.4	4.10	34.0	4.92	37.0	5.72	40.4	6.44	41.6	6.62	43.2	6.78	44.4	6.82
	35	61.6	30.6	5.12	33.2	5.94	36.0	6.92	39.2	7.80	40.4	7.98	42.0	8.16	43.2	8.32
		77.0	30.6	5.02	33.2	5.84	36.0	6.80	39.2	7.66	40.4	7.84	42.0	8.04	43.2	8.20
		154.0	30.6	4.62	33.2	5.48	36.0	6.36	39.2	7.18	40.4	7.34	42.0	7.52	43.2	7.66
		192.6	30.6	4.48	33.2	5.36	36.0	6.22	39.2	7.04	40.4	7.22	42.0	7.38	43.2	7.46
		231.0	30.6	4.40	33.2	5.30	36.0	6.16	39.2	6.96	40.4	7.16	42.0	7.32	43.2	7.36
	40	61.6	29.6	5.88	32.2	6.84	35.0	7.96	38.0	8.96	39.2	9.16	40.8	9.40	41.8	9.56
		77.0	29.6	5.76	32.2	6.72	35.0	7.82	38.0	8.80	39.2	9.02	40.8	9.24	41.8	9.40
		154.0	29.6	5.30	32.2	6.28	35.0	7.32	38.0	8.22	39.2	8.44	40.8	8.64	41.8	8.80
		192.6	29.6	5.14	32.2	6.14	35.0	7.16	38.0	8.08	39.2	8.28	40.8	8.50	41.8	8.58
		231.0	29.6	5.06	32.2	6.08	35.0	7.08	38.0	8.00	39.2	8.20	40.8	8.42	41.8	8.46
	45	61.6	28.8	6.62	31.2	7.72	34.0	8.98	37.0	10.12	38.0	10.36	39.6	10.62	40.6	10.78
		77.0	28.8	6.50	31.2	7.60	34.0	8.84	37.0	9.94	38.0	10.20	39.6	10.46	40.6	10.62
		154.0	28.8	5.98	31.2	7.08	34.0	8.26	37.0	9.28	38.0	9.54	39.6	9.78	40.6	9.94
		192.6	28.8	5.80	31.2	6.94	34.0	8.08	37.0	9.10	38.0	9.36	39.6	9.60	40.6	9.70
		231.0	28.8	5.72	31.2	6.86	34.0	8.00	37.0	9.02	38.0	9.26	39.6	9.52	40.6	9.58
80	10	61.6	28.0	1.58	30.4	1.82	33.0	2.14	35.8	2.44	36.8	2.46	38.4	2.56	39.4	2.58
		77.0	28.0	1.56	30.4	1.80	33.0	2.10	35.8	2.40	36.8	2.44	38.4	2.52	39.4	2.54
		154.0	28.0	1.42	30.4	1.70	33.0	1.96	35.8	2.22	36.8	2.28	38.4	2.32	39.4	2.36
		192.6	28.0	1.38	30.4	1.66	33.0	1.92	35.8	2.16	36.8	2.20	38.4	2.30	39.4	2.34
		231.0	28.0	1.36	30.4	1.62	33.0	1.90	35.8	2.12	36.8	2.18	38.4	2.28	39.4	2.32
	15	61.6	28.0	2.14	30.4	2.50	33.0	2.90	35.8	3.28	36.8	3.36	38.4	3.44	39.4	3.50
		77.0	28.0	2.10	30.4	2.46	33.0	2.86	35.8	3.22	36.8	3.30	38.4	3.38	39.4	3.44
		154.0	28.0	1.94	30.4	2.30	33.0	2.66	35.8	3.02	36.8	3.08	38.4	3.16	39.4	3.22
		192.6	28.0	1.88	30.4	2.24	33.0	2.62	35.8	2.94	36.8	3.02	38.4	3.10	39.4	3.14
		231.0	28.0	1.86	30.4	2.22	33.0	2.58	35.8	2.92	36.8	2.98	38.4	3.08	39.4	3.10
	20	61.6	28.0	2.64	30.4	3.08	33.0	3.58	35.8	4.02	36.8	4.14	38.4	4.22	39.4	4.32
		77.0	28.0	2.60	30.4	3.04	33.0	3.52	35.8	3.96	36.8	4.08	38.4	4.16	39.4	4.24
		154.0	28.0	2.38	30.4	2.82	33.0	3.30	35.8	3.72	36.8	3.80	38.4	3.90	39.4	3.96
		192.6	28.0	2.32	30.4	2.78	33.0	3.22	35.8	3.64	36.8	3.74	38.4	3.82	39.4	3.86
		231.0	28.0	2.28	30.4	2.74	33.0	3.20	35.8	3.62	36.8	3.70	38.4	3.78	39.4	3.80
	25	61.6	28.0	3.22	30.4	3.74	33.0	4.36	35.8	4.92	36.8	5.04	38.4	5.18	39.4	5.26
		77.0	28.0	3.16	30.4	3.68	33.0	4.30	35.8	4.84	36.8	4.96	38.4	5.08	39.4	5.18
		154.0	28.0	2.92	30.4	3.46	33.0	4.02	35.8	4.52	36.8	4.64	38.4	4.76	39.4	4.84
		192.6	28.0	2.82	30.4	3.38	33.0	3.94	35.8	4.44	36.8	4.54	38.4	4.66	39.4	4.72
		231.0	28.0	2.78	30.4	3.36	33.0	3.92	35.8	4.40	36.8	4.50	38.4	4.62	39.4	4.66
	30	61.6	28.0	3.98	30.4	4.62	33.0	5.38	35.8	6.06	36.8	6.20	38.4	6.34	39.4	6.48
		77.0	28.0	3.90	30.4	4.54	33.0	5.30	35.8	5.96	36.8	6.10	38.4	6.24	39.4	6.36
		154.0	28.0	3.58	30.4	4.24	33.0	4.94	35.8	5.56	36.8	5.70	38.4	5.84	39.4	5.94
		192.6	28.0	3.48	30.4	4.16	33.0	4.84	35.8	5.46	36.8	5.60	38.4	5.74	39.4	5.80
		231.0	28.0	3.42	30.4	4.12	33.0	4.80	35.8	5.40	36.8	5.54	38.4	5.68	39.4	5.72

7. Capacity tables

Cooling Capacity (16 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	35	61.6	28.0	4.42	30.4	5.14	33.0	5.98	35.8	6.72	36.8	6.88	38.4	7.06	39.4	7.18
		77.0	28.0	4.34	30.4	5.06	33.0	5.88	35.8	6.62	36.8	6.78	38.4	6.94	39.4	7.08
		154.0	28.0	3.98	30.4	4.72	33.0	5.50	35.8	6.20	36.8	6.34	38.4	6.50	39.4	6.62
		192.6	28.0	3.88	30.4	4.62	33.0	5.38	35.8	6.08	36.8	6.22	38.4	6.38	39.4	6.44
		231.0	28.0	3.82	30.4	4.56	33.0	5.34	35.8	6.00	36.8	6.14	38.4	6.34	39.4	6.36
	40	61.6	28.0	5.22	30.4	6.08	33.0	7.08	35.8	7.98	36.8	8.14	38.4	8.36	39.4	8.50
		77.0	28.0	5.12	30.4	5.98	33.0	6.96	35.8	7.84	36.8	8.02	38.4	8.22	39.4	8.36
		154.0	28.0	4.72	30.4	5.58	33.0	6.50	35.8	7.34	36.8	7.50	38.4	7.70	39.4	7.84
		192.6	28.0	4.58	30.4	5.48	33.0	6.36	35.8	7.20	36.8	7.36	38.4	7.54	39.4	7.64
		231.0	28.0	4.50	30.4	5.42	33.0	6.30	35.8	7.12	36.8	7.30	38.4	7.46	39.4	7.52
	45	61.6	28.0	6.02	30.4	7.04	33.0	8.18	35.8	9.22	36.8	9.42	38.4	9.66	39.4	9.82
		77.0	28.0	5.92	30.4	6.92	33.0	8.06	35.8	9.08	36.8	9.26	38.4	9.50	39.4	9.66
		154.0	28.0	5.46	30.4	6.44	33.0	7.52	35.8	8.48	36.8	8.68	38.4	8.92	39.4	9.08
		192.6	28.0	5.28	30.4	6.34	33.0	7.36	35.8	8.32	36.8	8.52	38.4	8.70	39.4	8.82
		231.0	28.0	5.20	30.4	6.28	33.0	7.26	35.8	8.24	36.8	8.44	38.4	8.60	39.4	8.70
70	10	61.6	24.4	1.32	26.6	1.52	28.8	1.80	31.4	2.02	32.2	2.04	33.6	2.12	34.4	2.14
		77.0	24.4	1.30	26.6	1.50	28.8	1.78	31.4	2.00	32.2	2.00	33.6	2.08	34.4	2.10
		154.0	24.4	1.20	26.6	1.42	28.8	1.66	31.4	1.86	32.2	1.90	33.6	1.94	34.4	2.00
		192.6	24.4	1.14	26.6	1.36	28.8	1.60	31.4	1.80	32.2	1.84	33.6	1.90	34.4	1.94
		231.0	24.4	1.12	26.6	1.34	28.8	1.58	31.4	1.78	32.2	1.82	33.6	1.90	34.4	1.92
	15	61.6	24.4	1.78	26.6	2.06	28.8	2.42	31.4	2.72	32.2	2.78	33.6	2.86	34.4	2.90
		77.0	24.4	1.76	26.6	2.04	28.8	2.38	31.4	2.68	32.2	2.74	33.6	2.80	34.4	2.86
		154.0	24.4	1.62	26.6	1.92	28.8	2.22	31.4	2.50	32.2	2.56	33.6	2.64	34.4	2.68
		192.6	24.4	1.56	26.6	1.86	28.8	2.18	31.4	2.46	32.2	2.50	33.6	2.58	34.4	2.62
		231.0	24.4	1.54	26.6	1.84	28.8	2.14	31.4	2.44	32.2	2.48	33.6	2.56	34.4	2.58
	20	61.6	24.4	2.20	26.6	2.54	28.8	2.98	31.4	3.36	32.2	3.44	33.6	3.50	34.4	3.58
		77.0	24.4	2.16	26.6	2.50	28.8	2.94	31.4	3.30	32.2	3.38	33.6	3.46	34.4	3.52
		154.0	24.4	1.98	26.6	2.36	28.8	2.74	31.4	3.08	32.2	3.16	33.6	3.24	34.4	3.30
		192.6	24.4	1.94	26.6	2.30	28.8	2.68	31.4	3.04	32.2	3.10	33.6	3.18	34.4	3.22
		231.0	24.4	1.90	26.6	2.28	28.8	2.66	31.4	3.00	32.2	3.08	33.6	3.14	34.4	3.16
	25	61.6	24.4	2.68	26.6	3.12	28.8	3.64	31.4	4.10	32.2	4.18	33.6	4.30	34.4	4.36
		77.0	24.4	2.64	26.6	3.08	28.8	3.58	31.4	4.04	32.2	4.12	33.6	4.22	34.4	4.30
		154.0	24.4	2.42	26.6	2.88	28.8	3.36	31.4	3.78	32.2	3.86	33.6	3.94	34.4	4.02
		192.6	24.4	2.36	26.6	2.80	28.8	3.28	31.4	3.68	32.2	3.78	33.6	3.88	34.4	3.92
		231.0	24.4	2.32	26.6	2.78	28.8	3.24	31.4	3.64	32.2	3.76	33.6	3.84	34.4	3.86
	30	61.6	24.4	3.32	26.6	3.84	28.8	4.48	31.4	5.02	32.2	5.16	33.6	5.28	34.4	5.36
		77.0	24.4	3.24	26.6	3.78	28.8	4.40	31.4	4.94	32.2	5.08	33.6	5.20	34.4	5.28
		154.0	24.4	2.98	26.6	3.52	28.8	4.10	31.4	4.64	32.2	4.74	33.6	4.86	34.4	4.94
		192.6	24.4	2.90	26.6	3.46	28.8	4.04	31.4	4.54	32.2	4.64	33.6	4.78	34.4	4.82
		231.0	24.4	2.86	26.6	3.42	28.8	4.00	31.4	4.50	32.2	4.60	33.6	4.72	34.4	4.76
	35	61.6	24.4	3.66	26.6	4.26	28.8	4.98	31.4	5.60	32.2	5.72	33.6	5.86	34.4	5.98
		77.0	24.4	3.60	26.6	4.20	28.8	4.90	31.4	5.50	32.2	5.64	33.6	5.78	34.4	5.88
		154.0	24.4	3.32	26.6	3.94	28.8	4.56	31.4	5.14	32.2	5.26	33.6	5.40	34.4	5.50
		192.6	24.4	3.22	26.6	3.84	28.8	4.48	31.4	5.06	32.2	5.18	33.6	5.30	34.4	5.36
		231.0	24.4	3.16	26.6	3.80	28.8	4.44	31.4	5.00	32.2	5.14	33.6	5.24	34.4	5.28
	40	61.6	24.4	4.36	26.6	5.04	28.8	5.88	31.4	6.62	32.2	6.78	33.6	6.96	34.4	7.08
		77.0	24.4	4.26	26.6	4.96	28.8	5.80	31.4	6.50	32.2	6.66	33.6	6.84	34.4	6.96
		154.0	24.4	3.92	26.6	4.64	28.8	5.40	31.4	6.08	32.2	6.24	33.6	6.40	34.4	6.50
		192.6	24.4	3.80	26.6	4.54	28.8	5.30	31.4	5.98	32.2	6.12	33.6	6.28	34.4	6.36
		231.0	24.4	3.76	26.6	4.50	28.8	5.24	31.4	5.94	32.2	6.06	33.6	6.22	34.4	6.28
	45	61.6	24.4	5.04	26.6	5.84	28.8	6.80	31.4	7.62	32.2	7.82	33.6	8.04	34.4	8.20
		77.0	24.4	4.94	26.6	5.74	28.8	6.68	31.4	7.50	32.2	7.70	33.6	7.92	34.4	8.06
		154.0	24.4	4.50	26.6	5.36	28.8	6.24	31.4	7.04	32.2	7.22	33.6	7.40	34.4	7.50
		192.6	24.4	4.40	26.6	5.24	28.8	6.12	31.4	6.92	32.2	7.08	33.6	7.26	34.4	7.36
		231.0	24.4	4.36	26.6	5.18	28.8	6.06	31.4	6.86	32.2	7.00	33.6	7.20	34.4	7.28
60	10	61.6	21.0	1.08	22.8	1.24	24.8	1.42	26.8	1.62	27.6	1.66	28.8	1.70	29.6	1.72
		77.0	21.0	1.04	22.8	1.22	24.8	1.40	26.8	1.58	27.6	1.62	28.8	1.68	29.6	1.68
		154.0	21.0	0.94	22.8	1.14	24.8	1.30	26.8	1.48	27.6	1.48	28.8	1.54	29.6	1.58
		192.6	21.0	0.92	22.8	1.10	24.8	1.28	26.8	1.46	27.6	1.46	28.8	1.50	29.6	1.52
		231.0	21.0	0.90	22.8	1.08	24.8	1.28	26.8	1.44	27.6	1.46	28.8	1.48	29.6	1.48
	15	61.6	21.0	1.44	22.8	1.66	24.8	1.92	26.8	2.18	27.6	2.24	28.8	2.28	29.6	2.32
		77.0	21.0	1.40	22.8	1.64	24.8	1.90	26.8	2.14	27.6	2.20	28.8	2.24	29.6	2.28
		154.0	21.0	1.28	22.8	1.52	24.8	1.78	26.8	2.00	27.6	2.04	28.8	2.08	29.6	2.14
		192.6	21.0	1.24	22.8	1.50	24.8	1.74	26.8	1.96	27.6	2.00	28.8	2.06	29.6	2.08
		231.0	21.0	1.22	22.8	1.48	24.8	1.72	26.8	1.94	27.6	1.98	28.8	2.04	29.6	2.04
	20	61.6	21.0	1.76	22.8	2.04	24.8	2.36	26.8	2.68	27.6	2.74	28.8	2.80	29.6	2.86
		77.0	21.0	1.72	22.8	2.00	24.8	2.34	26.8	2.64	27.6	2.70	28.8	2.76	29.6	2.80
		154.0	21.0	1.58	22.8	1.88	24.8	2.20	26.8	2.46	27.6	2.52	28.8	2.58	29.6	2.64
		192.6	21.0	1.54	22.8	1.84	24.8	2.14	26.8	2.42	27.6	2.48	28.8	2.54	29.6	2.56
		231.0	21.0	1.52	22.8	1.82	24.8	2.12	26.8	2.40	27.6	2.44	28.8	2.52	29.6	2.52
	25	61.6	21.0	2.14	22.8	2.48	24.8	2.88	26.8	3.26	27.6	3.34	28.8	3.42	29.6	3.48
		77.0	21.0	2.10	22.8	2.44	24.8	2.84	26.8	3.22	27.6	3.28	28.8	3.36	29.6	3.42
		154.0	21.0	1.94	22.8	2.28	24.8	2.66	26.8	3.00	27.6	3.08	28.8	3.16	29.6	3.22
		192.6	21.0	1.88	22.8	2.24	24.8	2.62	26.8	2.94	27.6	3.02	28.8	3.08	29.6	3.12
		231.0	21.0	1.86	22.8	2.22	24.8	2.58	26.8	2.92	27.6	3.00	28.8	3.06	29.6	3.08

7. Capacity tables

Cooling Capacity (16 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	30	61.6	21.0	2.64	22.8	3.08	24.8	3.56	26.8	4.02	27.6	4.10	28.8	4.20	29.6	4.28
		77.0	21.0	2.58	22.8	3.02	24.8	3.50	26.8	3.94	27.6	4.04	28.8	4.14	29.6	4.22
		154.0	21.0	2.36	22.8	2.80	24.8	3.28	26.8	3.68	27.6	3.78	28.8	3.88	29.6	3.94
		192.6	21.0	2.32	22.8	2.76	24.8	3.22	26.8	3.62	27.6	3.70	28.8	3.80	29.6	3.84
		231.0	21.0	2.28	22.8	2.72	24.8	3.18	26.8	3.58	27.6	3.66	28.8	3.78	29.6	3.80
	35	61.6	21.0	2.92	22.8	3.40	24.8	3.96	26.8	4.46	27.6	4.56	28.8	4.66	29.6	4.76
		77.0	21.0	2.86	22.8	3.36	24.8	3.90	26.8	4.38	27.6	4.50	28.8	4.60	29.6	4.68
		154.0	21.0	2.64	22.8	3.12	24.8	3.64	26.8	4.10	27.6	4.20	28.8	4.32	29.6	4.38
		192.6	21.0	2.56	22.8	3.06	24.8	3.56	26.8	4.02	27.6	4.12	28.8	4.22	29.6	4.26
		231.0	21.0	2.52	22.8	3.02	24.8	3.52	26.8	3.98	27.6	4.08	28.8	4.18	29.6	4.20
	40	61.6	21.0	3.48	22.8	4.04	24.8	4.68	26.8	5.28	27.6	5.40	28.8	5.54	29.6	5.64
		77.0	21.0	3.40	22.8	3.96	24.8	4.62	26.8	5.20	27.6	5.32	28.8	5.46	29.6	5.54
		154.0	21.0	3.12	22.8	3.70	24.8	4.32	26.8	4.86	27.6	4.96	28.8	5.10	29.6	5.20
		192.6	21.0	3.04	22.8	3.64	24.8	4.22	26.8	4.76	27.6	4.88	28.8	5.00	29.6	5.06
		231.0	21.0	3.00	22.8	3.60	24.8	4.18	26.8	4.70	27.6	4.84	28.8	4.94	29.6	4.98
	45	61.6	21.0	4.04	22.8	4.66	24.8	5.42	26.8	6.10	27.6	6.24	28.8	6.42	29.6	6.50
		77.0	21.0	3.94	22.8	4.58	24.8	5.34	26.8	6.00	27.6	6.14	28.8	6.32	29.6	6.40
		154.0	21.0	3.62	22.8	4.28	24.8	4.98	26.8	5.62	27.6	5.74	28.8	5.90	29.6	6.00
		192.6	21.0	3.50	22.8	4.22	24.8	4.90	26.8	5.50	27.6	5.64	28.8	5.78	29.6	5.84
		231.0	21.0	3.46	22.8	4.18	24.8	4.86	26.8	5.44	27.6	5.58	28.8	5.72	29.6	5.76
50	10	61.6	17.4	0.76	19.0	0.90	20.6	1.10	22.4	1.20	23.0	1.22	24.0	1.26	24.6	1.28
		77.0	17.4	0.76	19.0	0.90	20.6	1.06	22.4	1.18	23.0	1.20	24.0	1.24	24.6	1.26
		154.0	17.4	0.72	19.0	0.84	20.6	0.96	22.4	1.10	23.0	1.14	24.0	1.14	24.6	1.18
		192.6	17.4	0.70	19.0	0.80	20.6	0.96	22.4	1.06	23.0	1.10	24.0	1.12	24.6	1.12
		231.0	17.4	0.68	19.0	0.80	20.6	0.96	22.4	1.04	23.0	1.08	24.0	1.10	24.6	1.10
	15	61.6	17.4	1.06	19.0	1.22	20.6	1.44	22.4	1.62	23.0	1.66	24.0	1.70	24.6	1.72
		77.0	17.4	1.04	19.0	1.22	20.6	1.42	22.4	1.60	23.0	1.64	24.0	1.66	24.6	1.70
		154.0	17.4	0.96	19.0	1.14	20.6	1.32	22.4	1.50	23.0	1.52	24.0	1.56	24.6	1.60
		192.6	17.4	0.92	19.0	1.10	20.6	1.30	22.4	1.46	23.0	1.50	24.0	1.52	24.6	1.54
		231.0	17.4	0.92	19.0	1.08	20.6	1.28	22.4	1.44	23.0	1.48	24.0	1.50	24.6	1.52
	20	61.6	17.4	1.30	19.0	1.52	20.6	1.76	22.4	2.00	23.0	2.06	24.0	2.08	24.6	2.12
		77.0	17.4	1.28	19.0	1.50	20.6	1.74	22.4	1.96	23.0	2.02	24.0	2.06	24.6	2.08
		154.0	17.4	1.18	19.0	1.40	20.6	1.64	22.4	1.84	23.0	1.88	24.0	1.94	24.6	1.96
		192.6	17.4	1.14	19.0	1.36	20.6	1.60	22.4	1.80	23.0	1.84	24.0	1.90	24.6	1.92
		231.0	17.4	1.12	19.0	1.36	20.6	1.58	22.4	1.78	23.0	1.82	24.0	1.88	24.6	1.88
	25	61.6	17.4	1.60	19.0	1.86	20.6	2.16	22.4	2.42	23.0	2.50	24.0	2.54	24.6	2.60
		77.0	17.4	1.56	19.0	1.82	20.6	2.12	22.4	2.38	23.0	2.46	24.0	2.50	24.6	2.56
		154.0	17.4	1.44	19.0	1.70	20.6	1.98	22.4	2.24	23.0	2.30	24.0	2.36	24.6	2.38
		192.6	17.4	1.40	19.0	1.66	20.6	1.94	22.4	2.20	23.0	2.24	24.0	2.30	24.6	2.34
		231.0	17.4	1.38	19.0	1.64	20.6	1.94	22.4	2.16	23.0	2.22	24.0	2.28	24.6	2.30
	30	61.6	17.4	1.96	19.0	2.28	20.6	2.66	22.4	3.00	23.0	3.06	24.0	3.14	24.6	3.18
		77.0	17.4	1.94	19.0	2.24	20.6	2.62	22.4	2.94	23.0	3.02	24.0	3.08	24.6	3.14
		154.0	17.4	1.78	19.0	2.10	20.6	2.44	22.4	2.76	23.0	2.82	24.0	2.90	24.6	2.94
		192.6	17.4	1.72	19.0	2.06	20.6	2.38	22.4	2.70	23.0	2.78	24.0	2.84	24.6	2.86
		231.0	17.4	1.70	19.0	2.02	20.6	2.36	22.4	2.68	23.0	2.74	24.0	2.82	24.6	2.82
	35	61.6	17.4	2.18	19.0	2.54	20.6	2.96	22.4	3.32	23.0	3.40	24.0	3.50	24.6	3.54
		77.0	17.4	2.14	19.0	2.50	20.6	2.92	22.4	3.26	23.0	3.36	24.0	3.44	24.6	3.50
		154.0	17.4	1.96	19.0	2.34	20.6	2.72	22.4	3.06	23.0	3.12	24.0	3.22	24.6	3.26
		192.6	17.4	1.92	19.0	2.28	20.6	2.66	22.4	3.00	23.0	3.08	24.0	3.16	24.6	3.18
		231.0	17.4	1.88	19.0	2.26	20.6	2.64	22.4	2.98	23.0	3.04	24.0	3.14	24.6	3.14
	40	61.6	17.4	2.58	19.0	3.00	20.6	3.50	22.4	3.94	23.0	4.04	24.0	4.14	24.6	4.20
		77.0	17.4	2.52	19.0	2.94	20.6	3.44	22.4	3.88	23.0	3.96	24.0	4.08	24.6	4.14
		154.0	17.4	2.34	19.0	2.76	20.6	3.22	22.4	3.62	23.0	3.70	24.0	3.80	24.6	3.88
		192.6	17.4	2.26	19.0	2.70	20.6	3.16	22.4	3.54	23.0	3.64	24.0	3.74	24.6	3.78
		231.0	17.4	2.22	19.0	2.68	20.6	3.14	22.4	3.50	23.0	3.60	24.0	3.70	24.6	3.72
	45	61.6	17.4	2.96	19.0	3.46	20.6	4.04	22.4	4.58	23.0	4.66	24.0	4.78	24.6	4.86
		77.0	17.4	2.92	19.0	3.40	20.6	3.96	22.4	4.50	23.0	4.58	24.0	4.70	24.6	4.78
		154.0	17.4	2.70	19.0	3.18	20.6	3.70	22.4	4.18	23.0	4.28	24.0	4.40	24.6	4.50
		192.6	17.4	2.62	19.0	3.12	20.6	3.64	22.4	4.08	23.0	4.20	24.0	4.32	24.6	4.36
		231.0	17.4	2.58	19.0	3.10	20.6	3.62	22.4	4.04	23.0	4.14	24.0	4.28	24.6	4.30

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB180LSA4

Cooling Capacity (18 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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	46.8	3.00	50.7	3.52	55.3	4.10	60.0	4.61	61.9	4.72	64.2	4.84	66.0	4.90
		86.5	46.8	2.95	50.7	3.46	55.3	4.03	60.0	4.53	61.9	4.64	64.2	4.77	66.0	4.84
		173.0	46.8	2.74	50.7	3.23	55.3	3.76	60.0	4.24	61.9	4.34	64.2	4.45	66.0	4.56
		216.3	46.8	2.65	50.7	3.17	55.3	3.69	60.0	4.14	61.9	4.26	64.2	4.37	66.0	4.44
		259.5	46.8	2.62	50.7	3.14	55.3	3.66	60.0	4.10	61.9	4.23	64.2	4.32	66.0	4.37
	15	69.2	46.1	3.96	49.9	4.61	54.4	5.38	59.1	6.05	60.8	6.20	63.2	6.35	65.0	6.45
		86.5	46.1	3.89	49.9	4.54	54.4	5.29	59.1	5.95	60.8	6.09	63.2	6.24	65.0	6.36
		173.0	46.1	3.58	49.9	4.24	54.4	4.94	59.1	5.56	60.8	5.70	63.2	5.86	65.0	5.98
		216.3	46.1	3.48	49.9	4.15	54.4	4.84	59.1	5.45	60.8	5.59	63.2	5.73	65.0	5.84
		259.5	46.1	3.43	49.9	4.11	54.4	4.80	59.1	5.39	60.8	5.54	63.2	5.68	65.0	5.77
	20	69.2	45.4	4.82	49.2	5.59	53.6	6.51	58.3	7.34	60.0	7.51	62.3	7.68	64.1	7.83
		86.5	45.4	4.72	49.2	5.50	53.6	6.40	58.3	7.21	60.0	7.38	62.3	7.56	64.1	7.70
		173.0	45.4	4.33	49.2	5.15	53.6	5.99	58.3	6.75	60.0	6.91	62.3	7.10	64.1	7.24
		216.3	45.4	4.22	49.2	5.03	53.6	5.87	58.3	6.61	60.0	6.77	62.3	6.95	64.1	7.08
		259.5	45.4	4.16	49.2	4.97	53.6	5.80	58.3	6.55	60.0	6.71	62.3	6.88	64.1	7.00
	25	69.2	45.4	5.94	49.2	6.89	53.6	8.02	58.3	9.05	60.0	9.26	62.3	9.48	64.1	9.64
		86.5	45.4	5.82	49.2	6.77	53.6	7.89	58.3	8.89	60.0	9.11	62.3	9.34	64.1	9.50
		173.0	45.4	5.35	49.2	6.35	53.6	7.38	58.3	8.32	60.0	8.52	62.3	8.75	64.1	8.92
		216.3	45.4	5.20	49.2	6.21	53.6	7.24	58.3	8.16	60.0	8.36	62.3	8.58	64.1	8.72
		259.5	45.4	5.13	49.2	6.14	53.6	7.17	58.3	8.07	60.0	8.28	62.3	8.50	64.1	8.63
	30	69.2	45.4	7.12	49.2	8.27	53.6	9.63	58.3	10.85	60.0	11.11	62.3	11.38	64.1	11.57
		86.5	45.4	6.98	49.2	8.14	53.6	9.48	58.3	10.68	60.0	10.93	62.3	11.20	64.1	11.39
		173.0	45.4	6.40	49.2	7.61	53.6	8.86	58.3	9.98	60.0	10.23	62.3	10.50	64.1	10.71
		216.3	45.4	6.23	49.2	7.45	53.6	8.69	58.3	9.78	60.0	10.04	62.3	10.29	64.1	10.47
		259.5	45.4	6.15	49.2	7.37	53.6	8.59	58.3	9.69	60.0	9.94	62.3	10.19	64.1	10.35
	35	69.2	40.9	7.20	44.3	8.37	48.2	9.74	52.4	10.97	54.0	11.23	56.1	11.51	57.6	11.70
		86.5	40.9	7.05	44.3	8.23	48.2	9.58	52.4	10.80	54.0	11.05	56.1	11.33	57.6	11.52
		173.0	40.9	6.49	44.3	7.69	48.2	8.97	52.4	10.09	54.0	10.35	56.1	10.62	57.6	10.83
		216.3	40.9	6.31	44.3	7.53	48.2	8.78	52.4	9.89	54.0	10.15	56.1	10.41	57.6	10.59
		259.5	40.9	6.22	44.3	7.45	48.2	8.69	52.4	9.79	54.0	10.05	56.1	10.31	57.6	10.46
	40	69.2	36.3	7.60	39.4	8.83	42.8	10.28	46.6	11.57	48.0	11.84	49.9	12.13	51.3	12.35
		86.5	36.3	7.45	39.4	8.69	42.8	10.11	46.6	11.38	48.0	11.66	49.9	11.94	51.3	12.17
		173.0	36.3	6.84	39.4	8.12	42.8	9.46	46.6	10.64	48.0	10.91	49.9	11.20	51.3	11.43
		216.3	36.3	6.65	39.4	7.94	42.8	9.25	46.6	10.44	48.0	10.70	49.9	10.98	51.3	11.17
		259.5	36.3	6.56	39.4	7.85	42.8	9.15	46.6	10.34	48.0	10.60	49.9	10.87	51.3	11.04
	45	69.2	31.7	8.01	34.5	9.27	37.4	10.81	40.7	12.17	41.9	12.45	43.6	12.73	44.8	12.99
		86.5	31.7	7.84	34.5	9.13	37.4	10.64	40.7	11.98	41.9	12.25	43.6	12.55	44.8	12.80
		173.0	31.7	7.19	34.5	8.54	37.4	9.95	40.7	11.19	41.9	11.48	43.6	11.80	44.8	12.03
		216.3	31.7	6.99	34.5	8.35	37.4	9.73	40.7	10.98	41.9	11.26	43.6	11.55	44.8	11.75
		259.5	31.7	6.89	34.5	8.25	37.4	9.62	40.7	10.87	41.9	11.15	43.6	11.43	44.8	11.62
120	10	69.2	44.3	2.87	48.0	3.33	52.3	3.88	56.9	4.36	58.5	4.49	60.8	4.60	62.5	4.67
		86.5	44.3	2.81	48.0	3.27	52.3	3.82	56.9	4.29	58.5	4.42	60.8	4.52	62.5	4.59
		173.0	44.3	2.57	48.0	3.06	52.3	3.57	56.9	4.02	58.5	4.10	60.8	4.21	62.5	4.29
		216.3	44.3	2.51	48.0	2.98	52.3	3.51	56.9	3.93	58.5	4.03	60.8	4.14	62.5	4.21
		259.5	44.3	2.49	48.0	2.93	52.3	3.48	56.9	3.88	58.5	4.00	60.8	4.10	62.5	4.17
	15	69.2	43.9	3.80	47.5	4.41	51.7	5.14	56.2	5.79	57.8	5.93	60.1	6.07	61.8	6.18
		86.5	43.9	3.73	47.5	4.34	51.7	5.05	56.2	5.70	57.8	5.84	60.1	5.98	61.8	6.07
		173.0	43.9	3.42	47.5	4.06	51.7	4.73	56.2	5.33	57.8	5.45	60.1	5.59	61.8	5.70
		216.3	43.9	3.33	47.5	3.96	51.7	4.64	56.2	5.21	57.8	5.35	60.1	5.49	61.8	5.57
		259.5	43.9	3.28	47.5	3.92	51.7	4.59	56.2	5.16	57.8	5.31	60.1	5.44	61.8	5.52
	20	69.2	43.4	4.63	47.0	5.38	51.1	6.26	55.6	7.05	57.2	7.21	59.5	7.39	61.2	7.51
		86.5	43.4	4.54	47.0	5.29	51.1	6.16	55.6	6.93	57.2	7.10	59.5	7.28	61.2	7.40
		173.0	43.4	4.17	47.0	4.94	51.1	5.75	55.6	6.49	57.2	6.65	59.5	6.82	61.2	6.95
		216.3	43.4	4.06	47.0	4.84	51.1	5.64	55.6	6.37	57.2	6.53	59.5	6.69	61.2	6.79
		259.5	43.4	4.00	47.0	4.80	51.1	5.58	55.6	6.30	57.2	6.46	59.5	6.62	61.2	6.72
	25	69.2	43.4	5.69	47.0	6.60	51.1	7.70	55.6	8.66	57.2	8.87	59.5	9.09	61.2	9.25
		86.5	43.4	5.57	47.0	6.50	51.1	7.57	55.6	8.52	57.2	8.72	59.5	8.95	61.2	9.11
		173.0	43.4	5.13	47.0	6.07	51.1	7.08	55.6	7.98	57.2	8.16	59.5	8.37	61.2	8.54
		216.3	43.4	4.99	47.0	5.94	51.1	6.93	55.6	7.81	57.2	8.01	59.5	8.21	61.2	8.34
		259.5	43.4	4.91	47.0	5.87	51.1	6.86	55.6	7.73	57.2	7.94	59.5	8.14	61.2	8.24
	30	69.2	43.4	6.86	47.0	7.99	51.1	9.31	55.6	10.48	57.2	10.73	59.5	10.99	61.2	11.18
		86.5	43.4	6.73	47.0	7.86	51.1	9.16	55.6	10.31	57.2	10.55	59.5	10.82	61.2	11.01
		173.0	43.4	6.21	47.0	7.35	51.1	8.55	55.6	9.64	57.2	9.87	59.5	10.13	61.2	10.33
		216.3	43.4	6.03	47.0	7.19	51.1	8.37	55.6	9.44	57.2	9.69	59.5	9.94	61.2	10.09
		259.5	43.4	5.94	47.0	7.10	51.1	8.29	55.6	9.35	57.2	9.59	59.5	9.85	61.2	9.97
	35	69.2	39.6	7.04	43.0	8.19	46.8	9.53	50.9	10.74	52.4	10.99	54.4	11.26	56.0	11.47
		86.5	39.6	6.90	43.0	8.05	46.8	9.38	50.9	10.56	52.4	10.82	54.4	11.08	56.0	11.29
		173.0	39.6	6.35	43.0	7.53	46.8	8.77	50.9	9.88	52.4	10.12	54.4	10.39	56.0	10.58
		216.3	39.6	6.18	43.0	7.37	46.8	8.59	50.9	9.69	52.4	9.92	54.4	10.19	56.0	10.34
		259.5	39.6	6.09	43.0	7.28	46.8	8.50	50.9	9.58	52.4	9.83	54.4	10.08	56.0	10.21
	40	69.2	36.0	7.58	39.0	8.81	42.5	10.26	46.2	11.55	47.5	11.82	49.4	12.11	50.8	12.34
		86.5	36.0	7.43	39.0	8.67	42.5	10.09	46.2	11.36	47.5	11.64	49.4	11.92	50.8	12.15
		173.0	36.0	6.84	39.0	8.10	42.5	9.44	46.2	10.63	47.5	10.88	49.4	11.17	50.8	11.39
		216.3	36.0	6.65	39.0	7.93	42.5	9.25	46.2	10.42	47.5	10.69	49.4	10.97	50.8	11.13
		259.5	36.0	6.56	39.0	7.85	42.5	9.16	46.2	10.31	47.5	10.59	49.4	10.86	50.8	10.99

7. Capacity tables

Cooling Capacity (18 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	45	69.2	32.4	8.12	35.0	9.43	38.2	10.98	41.5	12.37	42.6	12.66	44.3	12.97	45.6	13.20
		86.5	32.4	7.96	35.0	9.27	38.2	10.81	41.5	12.17	42.6	12.45	44.3	12.76	45.6	13.01
		173.0	32.4	7.33	35.0	8.68	38.2	10.11	41.5	11.38	42.6	11.65	44.3	11.95	45.6	12.20
		216.3	32.4	7.12	35.0	8.50	38.2	9.92	41.5	11.15	42.6	11.45	44.3	11.74	45.6	11.91
		259.5	32.4	7.02	35.0	8.40	38.2	9.82	41.5	11.04	42.6	11.35	44.3	11.64	45.6	11.76
110	10	69.2	41.8	2.71	45.3	3.14	49.3	3.66	53.6	4.12	55.1	4.20	57.4	4.34	58.9	4.39
		86.5	41.8	2.66	45.3	3.09	49.3	3.60	53.6	4.05	55.1	4.14	57.4	4.26	58.9	4.32
		173.0	41.8	2.44	45.3	2.88	49.3	3.36	53.6	3.79	55.1	3.90	57.4	3.98	58.9	4.04
		216.3	41.8	2.37	45.3	2.82	49.3	3.28	53.6	3.73	55.1	3.79	57.4	3.89	58.9	3.97
		259.5	41.8	2.34	45.3	2.78	49.3	3.24	53.6	3.69	55.1	3.74	57.4	3.86	58.9	3.93
	15	69.2	41.6	3.63	45.0	4.21	49.0	4.90	53.3	5.52	54.9	5.64	57.1	5.80	58.6	5.89
		86.5	41.6	3.56	45.0	4.14	49.0	4.82	53.3	5.43	54.9	5.55	57.1	5.70	58.6	5.80
		173.0	41.6	3.26	45.0	3.87	49.0	4.51	53.3	5.08	54.9	5.21	57.1	5.34	58.6	5.43
		216.3	41.6	3.18	45.0	3.78	49.0	4.41	53.3	4.99	54.9	5.10	57.1	5.23	58.6	5.31
		259.5	41.6	3.14	45.0	3.74	49.0	4.36	53.3	4.94	54.9	5.05	57.1	5.18	58.6	5.24
	20	69.2	41.4	4.44	44.8	5.17	48.8	6.01	53.1	6.77	54.6	6.94	56.7	7.10	58.3	7.23
		86.5	41.4	4.35	44.8	5.08	48.8	5.91	53.1	6.66	54.6	6.82	56.7	6.98	58.3	7.11
		173.0	41.4	4.00	44.8	4.74	48.8	5.53	53.1	6.22	54.6	6.38	56.7	6.54	58.3	6.67
		216.3	41.4	3.90	44.8	4.64	48.8	5.41	53.1	6.10	54.6	6.26	56.7	6.42	58.3	6.50
		259.5	41.4	3.84	44.8	4.60	48.8	5.36	53.1	6.05	54.6	6.21	56.7	6.37	58.3	6.41
	25	69.2	41.4	5.43	44.8	6.32	48.8	7.35	53.1	8.29	54.6	8.47	56.7	8.68	58.3	8.84
		86.5	41.4	5.33	44.8	6.22	48.8	7.24	53.1	8.16	54.6	8.34	56.7	8.54	58.3	8.70
		173.0	41.4	4.90	44.8	5.82	48.8	6.77	53.1	7.63	54.6	7.81	56.7	8.01	58.3	8.16
		216.3	41.4	4.76	44.8	5.70	48.8	6.63	53.1	7.47	54.6	7.66	56.7	7.86	58.3	7.96
		259.5	41.4	4.69	44.8	5.63	48.8	6.56	53.1	7.39	54.6	7.59	56.7	7.78	58.3	7.86
	30	69.2	41.4	6.61	44.8	7.71	48.8	8.97	53.1	10.11	54.6	10.34	56.7	10.59	58.3	10.78
		86.5	41.4	6.49	44.8	7.58	48.8	8.83	53.1	9.94	54.6	10.18	56.7	10.43	58.3	10.62
		173.0	41.4	5.98	44.8	7.08	48.8	8.25	53.1	9.29	54.6	9.53	56.7	9.76	58.3	9.94
		216.3	41.4	5.82	44.8	6.93	48.8	8.08	53.1	9.11	54.6	9.34	56.7	9.57	58.3	9.70
		259.5	41.4	5.73	44.8	6.86	48.8	7.99	53.1	9.02	54.6	9.24	56.7	9.48	58.3	9.58
	35	69.2	38.5	6.89	41.7	8.00	45.5	9.32	49.4	10.51	50.9	10.75	52.9	11.01	54.3	11.22
		86.5	38.5	6.75	41.7	7.88	45.5	9.18	49.4	10.34	50.9	10.58	52.9	10.84	54.3	11.04
		173.0	38.5	6.22	41.7	7.37	45.5	8.58	49.4	9.67	50.9	9.90	52.9	10.15	54.3	10.34
		216.3	38.5	6.05	41.7	7.21	45.5	8.40	49.4	9.48	50.9	9.71	52.9	9.96	54.3	10.09
		259.5	38.5	5.96	41.7	7.12	45.5	8.31	49.4	9.38	50.9	9.62	52.9	9.87	54.3	9.96
	40	69.2	35.7	7.57	38.7	8.80	42.1	10.25	45.7	11.53	47.1	11.81	49.0	12.09	50.4	12.32
		86.5	35.7	7.42	38.7	8.66	42.1	10.09	45.7	11.35	47.1	11.62	49.0	11.90	50.4	12.13
		173.0	35.7	6.82	38.7	8.09	42.1	9.42	45.7	10.62	47.1	10.86	49.0	11.15	50.4	11.36
		216.3	35.7	6.63	38.7	7.91	42.1	9.23	45.7	10.41	47.1	10.67	49.0	10.95	50.4	11.08
		259.5	35.7	6.54	38.7	7.82	42.1	9.14	45.7	10.31	47.1	10.57	49.0	10.85	50.4	10.94
	45	69.2	32.8	8.24	35.6	9.59	38.8	11.19	42.1	12.56	43.4	12.87	45.2	13.18	46.4	13.42
		86.5	32.8	8.08	35.6	9.43	38.8	11.00	42.1	12.36	43.4	12.66	45.2	12.97	46.4	13.21
		173.0	32.8	7.43	35.6	8.82	38.8	10.26	42.1	11.56	43.4	11.84	45.2	12.16	46.4	12.39
		216.3	32.8	7.22	35.6	8.62	38.8	10.07	42.1	11.34	43.4	11.63	45.2	11.93	46.4	12.07
		259.5	32.8	7.12	35.6	8.52	38.8	9.97	42.1	11.23	43.4	11.53	45.2	11.82	46.4	11.91
100	10	69.2	39.3	2.54	42.5	2.97	46.4	3.42	50.4	3.87	51.9	3.94	54.0	4.08	55.4	4.16
		86.5	39.3	2.50	42.5	2.92	46.4	3.37	50.4	3.82	51.9	3.89	54.0	4.01	55.4	4.09
		173.0	39.3	2.30	42.5	2.71	46.4	3.17	50.4	3.59	51.9	3.67	54.0	3.75	55.4	3.82
		216.3	39.3	2.24	42.5	2.65	46.4	3.10	50.4	3.49	51.9	3.58	54.0	3.68	55.4	3.72
		259.5	39.3	2.21	42.5	2.62	46.4	3.06	50.4	3.45	51.9	3.53	54.0	3.64	55.4	3.67
	15	69.2	39.3	3.46	42.5	4.01	46.4	4.67	50.4	5.25	51.9	5.38	54.0	5.52	55.4	5.63
		86.5	39.3	3.39	42.5	3.95	46.4	4.59	50.4	5.17	51.9	5.29	54.0	5.43	55.4	5.53
		173.0	39.3	3.11	42.5	3.69	46.4	4.30	50.4	4.84	51.9	4.96	54.0	5.08	55.4	5.17
		216.3	39.3	3.03	42.5	3.60	46.4	4.21	50.4	4.74	51.9	4.86	54.0	4.99	55.4	5.04
		259.5	39.3	2.98	42.5	3.57	46.4	4.16	50.4	4.69	51.9	4.81	54.0	4.94	55.4	4.97
	20	69.2	39.3	4.25	42.5	4.94	46.4	5.77	50.4	6.49	51.9	6.64	54.0	6.80	55.4	6.92
		86.5	39.3	4.17	42.5	4.86	46.4	5.68	50.4	6.38	51.9	6.54	54.0	6.70	55.4	6.81
		173.0	39.3	3.84	42.5	4.56	46.4	5.30	50.4	5.96	51.9	6.10	54.0	6.26	55.4	6.38
		216.3	39.3	3.73	42.5	4.46	46.4	5.19	50.4	5.86	51.9	6.00	54.0	6.15	55.4	6.22
		259.5	39.3	3.67	42.5	4.41	46.4	5.14	50.4	5.79	51.9	5.95	54.0	6.09	55.4	6.13
	25	69.2	39.3	5.19	42.5	6.03	46.4	7.02	50.4	7.92	51.9	8.11	54.0	8.29	55.4	8.45
		86.5	39.3	5.08	42.5	5.93	46.4	6.91	50.4	7.79	51.9	7.98	54.0	8.16	55.4	8.32
		173.0	39.3	4.68	42.5	5.54	46.4	6.46	50.4	7.28	51.9	7.45	54.0	7.64	55.4	7.78
		216.3	39.3	4.56	42.5	5.43	46.4	6.33	50.4	7.13	51.9	7.30	54.0	7.50	55.4	7.57
		259.5	39.3	4.49	42.5	5.38	46.4	6.26	50.4	7.06	51.9	7.23	54.0	7.43	55.4	7.47
	30	69.2	39.3	6.39	42.5	7.42	46.4	8.65	50.4	9.73	51.9	9.96	54.0	10.20	55.4	10.40
		86.5	39.3	6.25	42.5	7.30	46.4	8.51	50.4	9.57	51.9	9.80	54.0	10.04	55.4	10.23
		173.0	39.3	5.75	42.5	6.82	46.4	7.95	50.4	8.95	51.9	9.16	54.0	9.39	55.4	9.56
		216.3	39.3	5.59	42.5	6.68	46.4	7.79	50.4	8.77	51.9	9.00	54.0	9.21	55.4	9.32
		259.5	39.3	5.52	42.5	6.61	46.4	7.71	50.4	8.68	51.9	8.91	54.0	9.12	55.4	9.20
	35	69.2	37.4	6.74	40.5	7.83	44.1	9.11	47.9	10.27	49.3	10.52	51.3	10.76	52.7	10.95
		86.5	37.4	6.60	40.5	7.70	44.1	8.97	47.9	10.10	49.3	10.35	51.3	10.60	52.7	10.79
		173.0	37.4	6.07	40.5	7.21	44.1	8.38	47.9	9.44	49.3	9.68	51.3	9.92	52.7	10.09
		216.3	37.4	5.90	40.5	7.05	44.1	8.21	47.9	9.26	49.3	9.50	51.3	9.74	52.7	9.83
		259.5	37.4	5.82	40.5	6.97	44.1	8.13	47.9	9.17	49.3	9.41	51.3	9.64	52.7	9.69

7. Capacity tables

Cooling Capacity (18 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	40	69.2	35.3	7.56	38.3	8.79	41.7	10.23	45.4	11.52	46.8	11.80	48.6	12.09	49.9	12.29
		86.5	35.3	7.41	38.3	8.65	41.7	10.07	45.4	11.33	46.8	11.61	48.6	11.89	49.9	12.10
		173.0	35.3	6.81	38.3	8.08	41.7	9.41	45.4	10.60	46.8	10.85	48.6	11.13	49.9	11.33
		216.3	35.3	6.63	38.3	7.91	41.7	9.21	45.4	10.39	46.8	10.65	48.6	10.92	49.9	11.02
		259.5	35.3	6.54	38.3	7.83	41.7	9.12	45.4	10.29	46.8	10.55	48.6	10.82	49.9	10.87
	45	69.2	33.3	8.39	36.2	9.74	39.4	11.35	42.8	12.76	44.1	13.09	45.8	13.41	47.2	13.63
		86.5	33.3	8.22	36.2	9.58	39.4	11.17	42.8	12.55	44.1	12.87	45.8	13.19	47.2	13.42
		173.0	33.3	7.54	36.2	8.96	39.4	10.45	42.8	11.75	44.1	12.02	45.8	12.33	47.2	12.56
		216.3	33.3	7.36	36.2	8.77	39.4	10.22	42.8	11.51	44.1	11.81	45.8	12.10	47.2	12.22
		259.5	33.3	7.27	36.2	8.68	39.4	10.11	42.8	11.41	44.1	11.70	45.8	11.99	47.2	12.06
90	10	69.2	35.3	2.19	38.3	2.54	41.7	2.94	45.4	3.34	46.8	3.41	48.6	3.49	49.9	3.59
		86.5	35.3	2.14	38.3	2.50	41.7	2.90	45.4	3.29	46.8	3.36	48.6	3.44	49.9	3.52
		173.0	35.3	1.99	38.3	2.35	41.7	2.73	45.4	3.09	46.8	3.15	48.6	3.24	49.9	3.29
		216.3	35.3	1.92	38.3	2.29	41.7	2.67	45.4	3.00	46.8	3.09	48.6	3.18	49.9	3.19
		259.5	35.3	1.89	38.3	2.26	41.7	2.64	45.4	2.96	46.8	3.06	48.6	3.14	49.9	3.13
	15	69.2	35.3	2.97	38.3	3.45	41.7	4.01	45.4	4.53	46.8	4.63	48.6	4.75	49.9	4.84
		86.5	35.3	2.90	38.3	3.40	41.7	3.95	45.4	4.46	46.8	4.56	48.6	4.67	49.9	4.76
		173.0	35.3	2.69	38.3	3.18	41.7	3.70	45.4	4.17	46.8	4.27	48.6	4.38	49.9	4.46
		216.3	35.3	2.60	38.3	3.10	41.7	3.62	45.4	4.08	46.8	4.19	48.6	4.30	49.9	4.33
		259.5	35.3	2.57	38.3	3.07	41.7	3.58	45.4	4.04	46.8	4.15	48.6	4.25	49.9	4.27
	20	69.2	35.3	3.67	38.3	4.26	41.7	4.96	45.4	5.59	46.8	5.71	48.6	5.86	49.9	5.96
		86.5	35.3	3.59	38.3	4.19	41.7	4.88	45.4	5.50	46.8	5.62	48.6	5.76	49.9	5.87
		173.0	35.3	3.30	38.3	3.91	41.7	4.56	45.4	5.13	46.8	5.26	48.6	5.38	49.9	5.50
		216.3	35.3	3.22	38.3	3.83	41.7	4.48	45.4	5.04	46.8	5.17	48.6	5.29	49.9	5.35
		259.5	35.3	3.17	38.3	3.79	41.7	4.43	45.4	5.00	46.8	5.12	48.6	5.24	49.9	5.28
	25	69.2	35.3	4.46	38.3	5.20	41.7	6.04	45.4	6.80	46.8	6.97	48.6	7.14	49.9	7.28
		86.5	35.3	4.38	38.3	5.11	41.7	5.94	45.4	6.70	46.8	6.86	48.6	7.03	49.9	7.16
		173.0	35.3	4.03	38.3	4.78	41.7	5.55	45.4	6.26	46.8	6.40	48.6	6.57	49.9	6.70
		216.3	35.3	3.91	38.3	4.67	41.7	5.45	45.4	6.14	46.8	6.29	48.6	6.45	49.9	6.53
		259.5	35.3	3.85	38.3	4.62	41.7	5.40	45.4	6.07	46.8	6.23	48.6	6.39	49.9	6.44
	30	69.2	35.3	5.50	38.3	6.39	41.7	7.44	45.4	8.38	46.8	8.58	48.6	8.79	49.9	8.95
		86.5	35.3	5.38	38.3	6.28	41.7	7.32	45.4	8.24	46.8	8.44	48.6	8.65	49.9	8.81
		173.0	35.3	4.95	38.3	5.88	41.7	6.84	45.4	7.70	46.8	7.89	48.6	8.09	49.9	8.23
		216.3	35.3	4.82	38.3	5.75	41.7	6.70	45.4	7.55	46.8	7.74	48.6	7.94	49.9	8.02
		259.5	35.3	4.74	38.3	5.70	41.7	6.63	45.4	7.48	46.8	7.66	48.6	7.87	49.9	7.91
	35	69.2	34.4	5.94	37.3	6.89	40.5	8.02	44.1	9.04	45.4	9.25	47.2	9.46	48.5	9.65
		86.5	34.4	5.82	37.3	6.77	40.5	7.89	44.1	8.88	45.4	9.09	47.2	9.32	48.5	9.50
		173.0	34.4	5.35	37.3	6.34	40.5	7.38	44.1	8.32	45.4	8.51	47.2	8.72	48.5	8.88
		216.3	34.4	5.19	37.3	6.21	40.5	7.22	44.1	8.16	45.4	8.36	47.2	8.56	48.5	8.65
		259.5	34.4	5.11	37.3	6.14	40.5	7.14	44.1	8.07	45.4	8.29	47.2	8.49	48.5	8.53
	40	69.2	33.4	6.82	36.2	7.92	39.4	9.22	42.8	10.38	44.1	10.62	45.9	10.89	47.1	11.08
		86.5	33.4	6.68	36.2	7.79	39.4	9.06	42.8	10.21	44.1	10.45	45.9	10.71	47.1	10.90
		173.0	33.4	6.14	36.2	7.28	39.4	8.49	42.8	9.54	44.1	9.78	45.9	10.02	47.1	10.21
		216.3	33.4	5.96	36.2	7.12	39.4	8.31	42.8	9.37	44.1	9.59	45.9	9.85	47.1	9.94
		259.5	33.4	5.87	36.2	7.05	39.4	8.22	42.8	9.28	44.1	9.50	45.9	9.76	47.1	9.81
	45	69.2	32.4	7.69	35.1	8.94	38.3	10.40	41.6	11.73	42.8	12.00	44.5	12.30	45.7	12.50
		86.5	32.4	7.54	35.1	8.80	38.3	10.24	41.6	11.53	42.8	11.82	44.5	12.11	45.7	12.31
		173.0	32.4	6.93	35.1	8.21	38.3	9.58	41.6	10.77	42.8	11.06	44.5	11.33	45.7	11.53
		216.3	32.4	6.73	35.1	8.05	38.3	9.38	41.6	10.57	42.8	10.83	44.5	11.13	45.7	11.24
		259.5	32.4	6.63	35.1	7.97	38.3	9.29	41.6	10.47	42.8	10.71	44.5	11.03	45.7	11.09
80	10	69.2	31.5	1.85	34.1	2.11	37.1	2.47	40.3	2.82	41.5	2.85	43.2	2.95	44.3	2.98
		86.5	31.5	1.81	34.1	2.09	37.1	2.43	40.3	2.77	41.5	2.82	43.2	2.90	44.3	2.93
		173.0	31.5	1.65	34.1	1.98	37.1	2.28	40.3	2.57	41.5	2.64	43.2	2.69	44.3	2.74
		216.3	31.5	1.62	34.1	1.92	37.1	2.24	40.3	2.51	41.5	2.56	43.2	2.65	44.3	2.69
		259.5	31.5	1.60	34.1	1.88	37.1	2.21	40.3	2.48	41.5	2.53	43.2	2.63	44.3	2.66
	15	69.2	31.5	2.49	34.1	2.89	37.1	3.36	40.3	3.80	41.5	3.89	43.2	3.98	44.3	4.05
		86.5	31.5	2.44	34.1	2.85	37.1	3.31	40.3	3.74	41.5	3.82	43.2	3.92	44.3	3.98
		173.0	31.5	2.24	34.1	2.67	37.1	3.09	40.3	3.49	41.5	3.58	43.2	3.66	44.3	3.73
		216.3	31.5	2.19	34.1	2.60	37.1	3.04	40.3	3.42	41.5	3.50	43.2	3.60	44.3	3.63
		259.5	31.5	2.16	34.1	2.57	37.1	3.00	40.3	3.39	41.5	3.46	43.2	3.57	44.3	3.59
	20	69.2	31.5	3.06	34.1	3.57	37.1	4.16	40.3	4.67	41.5	4.79	43.2	4.90	44.3	5.01
		86.5	31.5	3.01	34.1	3.52	37.1	4.09	40.3	4.60	41.5	4.72	43.2	4.82	44.3	4.92
		173.0	31.5	2.76	34.1	3.27	37.1	3.82	40.3	4.31	41.5	4.41	43.2	4.52	44.3	4.60
		216.3	31.5	2.69	34.1	3.22	37.1	3.74	40.3	4.22	41.5	4.33	43.2	4.44	44.3	4.48
		259.5	31.5	2.64	34.1	3.18	37.1	3.70	40.3	4.19	41.5	4.29	43.2	4.39	44.3	4.41
	25	69.2	31.5	3.74	34.1	4.35	37.1	5.06	40.3	5.70	41.5	5.85	43.2	6.00	44.3	6.09
		86.5	31.5	3.67	34.1	4.28	37.1	4.99	40.3	5.61	41.5	5.75	43.2	5.89	44.3	6.00
		173.0	31.5	3.38	34.1	4.00	37.1	4.66	40.3	5.25	41.5	5.37	43.2	5.52	44.3	5.61
		216.3	31.5	3.27	34.1	3.92	37.1	4.57	40.3	5.15	41.5	5.27	43.2	5.41	44.3	5.47
		259.5	31.5	3.23	34.1	3.88	37.1	4.53	40.3	5.09	41.5	5.22	43.2	5.36	44.3	5.40
	30	69.2	31.5	4.60	34.1	5.35	37.1	6.24	40.3	7.02	41.5	7.18	43.2	7.35	44.3	7.51
		86.5	31.5	4.51	34.1	5.26	37.1	6.14	40.3	6.91	41.5	7.07	43.2	7.24	44.3	7.38
		173.0	31.5	4.15	34.1	4.92	37.1	5.73	40.3	6.45	41.5	6.61	43.2	6.77	44.3	6.90
		216.3	31.5	4.04	34.1	4.82	37.1	5.61	40.3	6.33	41.5	6.49	43.2	6.65	44.3	6.73
		259.5	31.5	3.98	34.1	4.76	37.1	5.55	40.3	6.26	41.5	6.42	43.2	6.58	44.3	6.64

7. Capacity tables

Cooling Capacity (18 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	35	69.2	31.5	5.12	34.1	5.95	37.1	6.92	40.3	7.79	41.5	7.99	43.2	8.19	44.3	8.33
		86.5	31.5	5.02	34.1	5.86	37.1	6.81	40.3	7.67	41.5	7.86	43.2	8.05	44.3	8.20
		173.0	31.5	4.62	34.1	5.47	37.1	6.38	40.3	7.18	41.5	7.35	43.2	7.53	44.3	7.67
		216.3	31.5	4.49	34.1	5.35	37.1	6.24	40.3	7.04	41.5	7.21	43.2	7.40	44.3	7.46
		259.5	31.5	4.43	34.1	5.29	37.1	6.19	40.3	6.96	41.5	7.13	43.2	7.34	44.3	7.37
	40	69.2	31.5	6.06	34.1	7.05	37.1	8.21	40.3	9.25	41.5	9.45	43.2	9.70	44.3	9.86
		86.5	31.5	5.94	34.1	6.93	37.1	8.07	40.3	9.09	41.5	9.30	43.2	9.54	44.3	9.70
		173.0	31.5	5.47	34.1	6.47	37.1	7.54	40.3	8.51	41.5	8.69	43.2	8.92	44.3	9.08
		216.3	31.5	5.31	34.1	6.35	37.1	7.38	40.3	8.34	41.5	8.53	43.2	8.75	44.3	8.85
		259.5	31.5	5.22	34.1	6.28	37.1	7.30	40.3	8.25	41.5	8.46	43.2	8.67	44.3	8.72
	45	69.2	31.5	7.00	34.1	8.16	37.1	9.49	40.3	10.69	41.5	10.92	43.2	11.20	44.3	11.38
		86.5	31.5	6.87	34.1	8.02	37.1	9.34	40.3	10.52	41.5	10.74	43.2	11.02	44.3	11.20
		173.0	31.5	6.32	34.1	7.47	37.1	8.71	40.3	9.83	41.5	10.05	43.2	10.32	44.3	10.50
		216.3	31.5	6.12	34.1	7.34	37.1	8.52	40.3	9.63	41.5	9.87	43.2	10.10	44.3	10.22
		259.5	31.5	6.03	34.1	7.27	37.1	8.42	40.3	9.53	41.5	9.78	43.2	10.00	44.3	10.08
70	10	69.2	27.5	1.52	29.9	1.77	32.4	2.06	35.3	2.32	36.3	2.38	37.8	2.46	38.7	2.47
		86.5	27.5	1.50	29.9	1.74	32.4	2.03	35.3	2.29	36.3	2.34	37.8	2.41	38.7	2.43
		173.0	27.5	1.39	29.9	1.63	32.4	1.90	35.3	2.15	36.3	2.20	37.8	2.26	38.7	2.30
		216.3	27.5	1.34	29.9	1.58	32.4	1.86	35.3	2.09	36.3	2.13	37.8	2.20	38.7	2.24
		259.5	27.5	1.32	29.9	1.56	32.4	1.84	35.3	2.06	36.3	2.11	37.8	2.18	38.7	2.21
	15	69.2	27.5	2.07	29.9	2.40	32.4	2.80	35.3	3.15	36.3	3.23	37.8	3.31	38.7	3.36
		86.5	27.5	2.03	29.9	2.37	32.4	2.75	35.3	3.10	36.3	3.18	37.8	3.25	38.7	3.31
		173.0	27.5	1.87	29.9	2.21	32.4	2.57	35.3	2.90	36.3	2.97	37.8	3.06	38.7	3.10
		216.3	27.5	1.82	29.9	2.16	32.4	2.53	35.3	2.85	36.3	2.90	37.8	2.99	38.7	3.03
		259.5	27.5	1.79	29.9	2.13	32.4	2.49	35.3	2.82	36.3	2.88	37.8	2.96	38.7	2.98
	20	69.2	27.5	2.56	29.9	2.96	32.4	3.46	35.3	3.90	36.3	3.98	37.8	4.07	38.7	4.16
		86.5	27.5	2.51	29.9	2.91	32.4	3.41	35.3	3.83	36.3	3.92	37.8	4.01	38.7	4.09
		173.0	27.5	2.30	29.9	2.73	32.4	3.18	35.3	3.58	36.3	3.66	37.8	3.76	38.7	3.82
		216.3	27.5	2.24	29.9	2.67	32.4	3.11	35.3	3.52	36.3	3.60	37.8	3.69	38.7	3.73
		259.5	27.5	2.20	29.9	2.64	32.4	3.08	35.3	3.48	36.3	3.57	37.8	3.65	38.7	3.67
	25	69.2	27.5	3.11	29.9	3.62	32.4	4.21	35.3	4.75	36.3	4.85	37.8	4.97	38.7	5.06
		86.5	27.5	3.06	29.9	3.57	32.4	4.14	35.3	4.67	36.3	4.78	37.8	4.89	38.7	4.99
		173.0	27.5	2.81	29.9	3.33	32.4	3.89	35.3	4.37	36.3	4.48	37.8	4.58	38.7	4.66
		216.3	27.5	2.73	29.9	3.25	32.4	3.80	35.3	4.28	36.3	4.38	37.8	4.49	38.7	4.54
		259.5	27.5	2.69	29.9	3.23	32.4	3.76	35.3	4.23	36.3	4.34	37.8	4.45	38.7	4.47
	30	69.2	27.5	3.84	29.9	4.45	32.4	5.19	35.3	5.83	36.3	5.98	37.8	6.12	38.7	6.23
		86.5	27.5	3.76	29.9	4.38	32.4	5.10	35.3	5.73	36.3	5.88	37.8	6.03	38.7	6.13
		173.0	27.5	3.45	29.9	4.09	32.4	4.76	35.3	5.37	36.3	5.50	37.8	5.64	38.7	5.73
		216.3	27.5	3.36	29.9	4.01	32.4	4.67	35.3	5.26	36.3	5.39	37.8	5.53	38.7	5.59
		259.5	27.5	3.31	29.9	3.97	32.4	4.63	35.3	5.21	36.3	5.34	37.8	5.47	38.7	5.52
	35	69.2	27.5	4.25	29.9	4.94	32.4	5.77	35.3	6.49	36.3	6.64	37.8	6.80	38.7	6.92
		86.5	27.5	4.17	29.9	4.86	32.4	5.68	35.3	6.38	36.3	6.54	37.8	6.70	38.7	6.81
		173.0	27.5	3.84	29.9	4.56	32.4	5.29	35.3	5.96	36.3	6.10	37.8	6.26	38.7	6.38
		216.3	27.5	3.73	29.9	4.45	32.4	5.19	35.3	5.86	36.3	6.00	37.8	6.15	38.7	6.22
		259.5	27.5	3.67	29.9	4.39	32.4	5.15	35.3	5.79	36.3	5.95	37.8	6.09	38.7	6.13
	40	69.2	27.5	5.05	29.9	5.84	32.4	6.82	35.3	7.68	36.3	7.86	37.8	8.06	38.7	8.20
		86.5	27.5	4.94	29.9	5.75	32.4	6.72	35.3	7.55	36.3	7.73	37.8	7.93	38.7	8.07
		173.0	27.5	4.54	29.9	5.38	32.4	6.27	35.3	7.06	36.3	7.24	37.8	7.42	38.7	7.55
		216.3	27.5	4.41	29.9	5.27	32.4	6.14	35.3	6.93	36.3	7.10	37.8	7.28	38.7	7.36
		259.5	27.5	4.35	29.9	5.22	32.4	6.07	35.3	6.86	36.3	7.02	37.8	7.22	38.7	7.26
	45	69.2	27.5	5.83	29.9	6.76	32.4	7.88	35.3	8.86	36.3	9.07	37.8	9.31	38.7	9.49
		86.5	27.5	5.71	29.9	6.65	32.4	7.75	35.3	8.72	36.3	8.93	37.8	9.17	38.7	9.34
		173.0	27.5	5.23	29.9	6.22	32.4	7.26	35.3	8.16	36.3	8.37	37.8	8.57	38.7	8.72
		216.3	27.5	5.10	29.9	6.09	32.4	7.09	35.3	8.00	36.3	8.20	37.8	8.42	38.7	8.51
		259.5	27.5	5.04	29.9	6.03	32.4	7.00	35.3	7.92	36.3	8.11	37.8	8.35	38.7	8.39
60	10	69.2	23.6	1.23	25.6	1.42	27.8	1.63	30.2	1.87	31.1	1.92	32.4	1.95	33.3	1.98
		86.5	23.6	1.19	25.6	1.40	27.8	1.61	30.2	1.83	31.1	1.88	32.4	1.92	33.3	1.94
		173.0	23.6	1.09	25.6	1.30	27.8	1.52	30.2	1.71	31.1	1.73	32.4	1.79	33.3	1.83
		216.3	23.6	1.05	25.6	1.28	27.8	1.49	30.2	1.68	31.1	1.70	32.4	1.75	33.3	1.77
		259.5	23.6	1.03	25.6	1.26	27.8	1.48	30.2	1.66	31.1	1.69	32.4	1.72	33.3	1.74
	15	69.2	23.6	1.66	25.6	1.92	27.8	2.22	30.2	2.52	31.1	2.59	32.4	2.64	33.3	2.68
		86.5	23.6	1.62	25.6	1.89	27.8	2.20	30.2	2.48	31.1	2.55	32.4	2.59	33.3	2.64
		173.0	23.6	1.49	25.6	1.76	27.8	2.06	30.2	2.32	31.1	2.37	32.4	2.42	33.3	2.48
		216.3	23.6	1.44	25.6	1.73	27.8	2.02	30.2	2.27	31.1	2.32	32.4	2.38	33.3	2.41
		259.5	23.6	1.41	25.6	1.71	27.8	1.99	30.2	2.25	31.1	2.29	32.4	2.36	33.3	2.37
	20	69.2	23.6	2.04	25.6	2.37	27.8	2.75	30.2	3.10	31.1	3.18	32.4	3.25	33.3	3.31
		86.5	23.6	2.00	25.6	2.33	27.8	2.72	30.2	3.06	31.1	3.13	32.4	3.20	33.3	3.25
		173.0	23.6	1.84	25.6	2.18	27.8	2.55	30.2	2.86	31.1	2.92	32.4	2.99	33.3	3.06
		216.3	23.6	1.79	25.6	2.13	27.8	2.48	30.2	2.80	31.1	2.87	32.4	2.94	33.3	2.97
		259.5	23.6	1.76	25.6	2.11	27.8	2.45	30.2	2.77	31.1	2.83	32.4	2.92	33.3	2.93
	25	69.2	23.6	2.48	25.6	2.89	27.8	3.35	30.2	3.78	31.1	3.87	32.4	3.96	33.3	4.04
		86.5	23.6	2.43	25.6	2.84	27.8	3.30	30.2	3.73	31.1	3.80	32.4	3.90	33.3	3.97
		173.0	23.6	2.24	25.6	2.65	27.8	3.08	30.2	3.48	31.1	3.57	32.4	3.66	33.3	3.73
		216.3	23.6	2.18	25.6	2.59	27.8	3.03	30.2	3.41	31.1	3.50	32.4	3.58	33.3	3.62
		259.5	23.6	2.15	25.6	2.56	27.8	2.99	30.2	3.37	31.1	3.47	32.4	3.54	33.3	3.58

7. Capacity tables

Cooling Capacity (18 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	30	69.2	23.6	3.05	25.6	3.55	27.8	4.13	30.2	4.65	31.1	4.76	32.4	4.87	33.3	4.97
		86.5	23.6	2.99	25.6	3.49	27.8	4.06	30.2	4.57	31.1	4.68	32.4	4.80	33.3	4.89
		173.0	23.6	2.74	25.6	3.25	27.8	3.80	30.2	4.28	31.1	4.38	32.4	4.49	33.3	4.57
		216.3	23.6	2.68	25.6	3.20	27.8	3.73	30.2	4.20	31.1	4.30	32.4	4.41	33.3	4.46
		259.5	23.6	2.64	25.6	3.16	27.8	3.68	30.2	4.16	31.1	4.25	32.4	4.38	33.3	4.40
	35	69.2	23.6	3.39	25.6	3.95	27.8	4.60	30.2	5.17	31.1	5.29	32.4	5.42	33.3	5.52
		86.5	23.6	3.32	25.6	3.89	27.8	4.52	30.2	5.08	31.1	5.21	32.4	5.34	33.3	5.43
		173.0	23.6	3.06	25.6	3.62	27.8	4.22	30.2	4.76	31.1	4.87	32.4	5.00	33.3	5.08
		216.3	23.6	2.97	25.6	3.55	27.8	4.13	30.2	4.66	31.1	4.78	32.4	4.90	33.3	4.95
		259.5	23.6	2.93	25.6	3.50	27.8	4.09	30.2	4.62	31.1	4.73	32.4	4.86	33.3	4.88
	40	69.2	23.6	4.02	25.6	4.67	27.8	5.44	30.2	6.12	31.1	6.27	32.4	6.42	33.3	6.54
		86.5	23.6	3.94	25.6	4.59	27.8	5.35	30.2	6.03	31.1	6.17	32.4	6.32	33.3	6.43
		173.0	23.6	3.62	25.6	4.30	27.8	5.00	30.2	5.63	31.1	5.76	32.4	5.91	33.3	6.03
		216.3	23.6	3.52	25.6	4.21	27.8	4.90	30.2	5.52	31.1	5.66	32.4	5.80	33.3	5.87
		259.5	23.6	3.47	25.6	4.16	27.8	4.85	30.2	5.45	31.1	5.61	32.4	5.74	33.3	5.78
	45	69.2	23.6	4.65	25.6	5.38	27.8	6.28	30.2	7.08	31.1	7.24	32.4	7.42	33.3	7.55
		86.5	23.6	4.55	25.6	5.30	27.8	6.19	30.2	6.96	31.1	7.12	32.4	7.30	33.3	7.44
		173.0	23.6	4.20	25.6	4.97	27.8	5.78	30.2	6.50	31.1	6.66	32.4	6.84	33.3	6.96
		216.3	23.6	4.06	25.6	4.87	27.8	5.68	30.2	6.37	31.1	6.54	32.4	6.70	33.3	6.77
		259.5	23.6	4.00	25.6	4.82	27.8	5.62	30.2	6.30	31.1	6.47	32.4	6.63	33.3	6.68
50	10	69.2	19.6	0.89	21.3	1.04	23.2	1.26	25.2	1.38	25.9	1.40	27.0	1.46	27.7	1.47
		86.5	19.6	0.88	21.3	1.04	23.2	1.23	25.2	1.36	25.9	1.39	27.0	1.43	27.7	1.45
		173.0	19.6	0.81	21.3	0.97	23.2	1.13	25.2	1.28	25.9	1.32	27.0	1.32	27.7	1.36
		216.3	19.6	0.80	21.3	0.95	23.2	1.11	25.2	1.24	25.9	1.27	27.0	1.30	27.7	1.30
		259.5	19.6	0.78	21.3	0.95	23.2	1.10	25.2	1.22	25.9	1.24	27.0	1.29	27.7	1.28
	15	69.2	19.6	1.23	21.3	1.42	23.2	1.67	25.2	1.87	25.9	1.92	27.0	1.97	27.7	2.00
		86.5	19.6	1.20	21.3	1.41	23.2	1.65	25.2	1.85	25.9	1.89	27.0	1.93	27.7	1.97
		173.0	19.6	1.11	21.3	1.32	23.2	1.53	25.2	1.73	25.9	1.77	27.0	1.81	27.7	1.85
		216.3	19.6	1.07	21.3	1.29	23.2	1.50	25.2	1.69	25.9	1.73	27.0	1.77	27.7	1.79
		259.5	19.6	1.06	21.3	1.27	23.2	1.49	25.2	1.67	25.9	1.71	27.0	1.75	27.7	1.76
	20	69.2	19.6	1.51	21.3	1.77	23.2	2.04	25.2	2.31	25.9	2.38	27.0	2.41	27.7	2.46
		86.5	19.6	1.49	21.3	1.74	23.2	2.02	25.2	2.27	25.9	2.34	27.0	2.38	27.7	2.42
		173.0	19.6	1.37	21.3	1.62	23.2	1.89	25.2	2.13	25.9	2.18	27.0	2.24	27.7	2.27
		216.3	19.6	1.32	21.3	1.58	23.2	1.85	25.2	2.09	25.9	2.14	27.0	2.20	27.7	2.22
		259.5	19.6	1.30	21.3	1.57	23.2	1.84	25.2	2.07	25.9	2.12	27.0	2.17	27.7	2.19
	25	69.2	19.6	1.85	21.3	2.15	23.2	2.50	25.2	2.82	25.9	2.90	27.0	2.95	27.7	3.01
		86.5	19.6	1.81	21.3	2.11	23.2	2.46	25.2	2.77	25.9	2.85	27.0	2.90	27.7	2.96
		173.0	19.6	1.67	21.3	1.98	23.2	2.30	25.2	2.59	25.9	2.66	27.0	2.73	27.7	2.77
		216.3	19.6	1.62	21.3	1.93	23.2	2.25	25.2	2.55	25.9	2.60	27.0	2.67	27.7	2.71
		259.5	19.6	1.59	21.3	1.91	23.2	2.24	25.2	2.51	25.9	2.58	27.0	2.64	27.7	2.66
	30	69.2	19.6	2.28	21.3	2.65	23.2	3.09	25.2	3.48	25.9	3.55	27.0	3.64	27.7	3.70
		86.5	19.6	2.24	21.3	2.60	23.2	3.04	25.2	3.42	25.9	3.50	27.0	3.58	27.7	3.64
		173.0	19.6	2.05	21.3	2.43	23.2	2.83	25.2	3.20	25.9	3.26	27.0	3.36	27.7	3.41
		216.3	19.6	2.00	21.3	2.38	23.2	2.77	25.2	3.13	25.9	3.22	27.0	3.29	27.7	3.32
		259.5	19.6	1.97	21.3	2.35	23.2	2.75	25.2	3.10	25.9	3.18	27.0	3.26	27.7	3.28
	35	69.2	19.6	2.53	21.3	2.94	23.2	3.43	25.2	3.85	25.9	3.95	27.0	4.05	27.7	4.11
		86.5	19.6	2.48	21.3	2.90	23.2	3.38	25.2	3.78	25.9	3.89	27.0	3.98	27.7	4.05
		173.0	19.6	2.28	21.3	2.71	23.2	3.15	25.2	3.55	25.9	3.62	27.0	3.73	27.7	3.78
		216.3	19.6	2.22	21.3	2.65	23.2	3.08	25.2	3.48	25.9	3.57	27.0	3.66	27.7	3.69
		259.5	19.6	2.19	21.3	2.63	23.2	3.06	25.2	3.45	25.9	3.53	27.0	3.63	27.7	3.64
	40	69.2	19.6	3.00	21.3	3.48	23.2	4.06	25.2	4.57	25.9	4.68	27.0	4.79	27.7	4.87
		86.5	19.6	2.93	21.3	3.42	23.2	3.99	25.2	4.49	25.9	4.60	27.0	4.72	27.7	4.80
		173.0	19.6	2.71	21.3	3.20	23.2	3.73	25.2	4.20	25.9	4.30	27.0	4.41	27.7	4.49
		216.3	19.6	2.62	21.3	3.13	23.2	3.66	25.2	4.12	25.9	4.22	27.0	4.33	27.7	4.37
		259.5	19.6	2.58	21.3	3.10	23.2	3.63	25.2	4.07	25.9	4.18	27.0	4.29	27.7	4.30
	45	69.2	19.6	3.46	21.3	4.01	23.2	4.69	25.2	5.29	25.9	5.41	27.0	5.54	27.7	5.63
		86.5	19.6	3.40	21.3	3.95	23.2	4.61	25.2	5.20	25.9	5.32	27.0	5.45	27.7	5.54
		173.0	19.6	3.12	21.3	3.69	23.2	4.30	25.2	4.85	25.9	4.97	27.0	5.10	27.7	5.20
		216.3	19.6	3.03	21.3	3.61	23.2	4.23	25.2	4.75	25.9	4.87	27.0	5.00	27.7	5.04
		259.5	19.6	2.98	21.3	3.58	23.2	4.20	25.2	4.70	25.9	4.81	27.0	4.96	27.7	4.97

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB220LAS4

Cooling Capacity (22 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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	57.2	3.93	62.0	4.59	67.5	5.36	73.4	6.02	75.6	6.18	78.5	6.31	80.7	6.41
		106.0	57.2	3.86	62.0	4.51	67.5	5.27	73.4	5.93	75.6	6.07	78.5	6.22	80.7	6.33
		212.0	57.2	3.57	62.0	4.23	67.5	4.93	73.4	5.54	75.6	5.67	78.5	5.83	80.7	5.95
		265.1	57.2	3.46	62.0	4.13	67.5	4.82	73.4	5.42	75.6	5.57	78.5	5.70	80.7	5.81
		318.0	57.2	3.41	62.0	4.08	67.5	4.77	73.4	5.36	75.6	5.52	78.5	5.64	80.7	5.74
	15	84.8	56.4	5.18	61.0	6.03	66.5	7.03	72.3	7.91	74.3	8.10	77.3	8.30	79.5	8.43
		106.0	56.4	5.08	61.0	5.93	66.5	6.91	72.3	7.78	74.3	7.97	77.3	8.16	79.5	8.31
		212.0	56.4	4.68	61.0	5.55	66.5	6.46	72.3	7.27	74.3	7.46	77.3	7.66	79.5	7.81
		265.1	56.4	4.55	61.0	5.42	66.5	6.33	72.3	7.13	74.3	7.31	77.3	7.49	79.5	7.63
		318.0	56.4	4.48	61.0	5.37	66.5	6.27	72.3	7.05	74.3	7.24	77.3	7.42	79.5	7.55
	20	84.8	55.5	6.29	60.1	7.31	65.5	8.51	71.2	9.59	73.4	9.81	76.2	10.04	78.3	10.23
		106.0	55.5	6.16	60.1	7.19	65.5	8.37	71.2	9.43	73.4	9.65	76.2	9.89	78.3	10.06
		212.0	55.5	5.67	60.1	6.72	65.5	7.83	71.2	8.82	73.4	9.04	76.2	9.28	78.3	9.46
		265.1	55.5	5.52	60.1	6.58	65.5	7.67	71.2	8.64	73.4	8.86	76.2	9.09	78.3	9.25
		318.0	55.5	5.44	60.1	6.51	65.5	7.59	71.2	8.55	73.4	8.77	76.2	9.00	78.3	9.15
	25	84.8	55.5	7.76	60.1	9.01	65.5	10.50	71.2	11.82	73.4	12.09	76.2	12.40	78.3	12.61
		106.0	55.5	7.61	60.1	8.86	65.5	10.32	71.2	11.63	73.4	11.90	76.2	12.21	78.3	12.42
		212.0	55.5	7.00	60.1	8.29	65.5	9.65	71.2	10.88	73.4	11.15	76.2	11.43	78.3	11.67
		265.1	55.5	6.80	60.1	8.11	65.5	9.45	71.2	10.67	73.4	10.94	76.2	11.22	78.3	11.40
		318.0	55.5	6.71	60.1	8.03	65.5	9.36	71.2	10.55	73.4	10.84	76.2	11.12	78.3	11.28
	30	84.8	55.5	9.31	60.1	10.81	65.5	12.59	71.2	14.19	73.4	14.52	76.2	14.87	78.3	15.13
		106.0	55.5	9.12	60.1	10.64	65.5	12.39	71.2	13.96	73.4	14.29	76.2	14.64	78.3	14.90
		212.0	55.5	8.38	60.1	9.94	65.5	11.58	71.2	13.05	73.4	13.37	76.2	13.72	78.3	14.00
		265.1	55.5	8.15	60.1	9.73	65.5	11.36	71.2	12.79	73.4	13.12	76.2	13.46	78.3	13.69
		318.0	55.5	8.04	60.1	9.63	65.5	11.24	71.2	12.67	73.4	13.00	76.2	13.33	78.3	13.53
	35	84.8	50.0	9.42	54.1	10.93	58.9	12.74	64.1	14.35	66.0	14.68	68.5	15.03	70.4	15.30
		106.0	50.0	9.22	54.1	10.76	58.9	12.53	64.1	14.11	66.0	14.44	68.5	14.81	70.4	15.06
		212.0	50.0	8.48	54.1	10.06	58.9	11.72	64.1	13.19	66.0	13.53	68.5	13.88	70.4	14.16
		265.1	50.0	8.24	54.1	9.84	58.9	11.48	64.1	12.93	66.0	13.27	68.5	13.61	70.4	13.84
		318.0	50.0	8.12	54.1	9.73	58.9	11.36	64.1	12.80	66.0	13.14	68.5	13.48	70.4	13.69
	40	84.8	44.4	9.93	48.1	11.53	52.3	13.43	56.9	15.13	58.6	15.48	61.0	15.85	62.7	16.15
		106.0	44.4	9.73	48.1	11.35	52.3	13.22	56.9	14.89	58.6	15.24	61.0	15.61	62.7	15.91
		212.0	44.4	8.95	48.1	10.61	52.3	12.37	56.9	13.92	58.6	14.26	61.0	14.64	62.7	14.93
		265.1	44.4	8.70	48.1	10.38	52.3	12.10	56.9	13.64	58.6	13.99	61.0	14.36	62.7	14.60
		318.0	44.4	8.57	48.1	10.26	52.3	11.97	56.9	13.51	58.6	13.86	61.0	14.22	62.7	14.43
	45	84.8	38.8	10.45	42.1	12.12	45.8	14.12	49.8	15.93	51.3	16.29	53.3	16.67	54.8	16.99
		106.0	38.8	10.24	42.1	11.93	45.8	13.90	49.8	15.67	51.3	16.03	53.3	16.41	54.8	16.74
		212.0	38.8	9.41	42.1	11.15	45.8	13.01	49.8	14.65	51.3	15.00	53.3	15.41	54.8	15.71
		265.1	38.8	9.15	42.1	10.92	45.8	12.72	49.8	14.35	51.3	14.72	53.3	15.10	54.8	15.35
		318.0	38.8	9.02	42.1	10.80	45.8	12.58	49.8	14.20	51.3	14.59	53.3	14.95	54.8	15.17
120	10	84.8	54.2	3.75	58.6	4.35	63.9	5.07	69.5	5.71	71.5	5.86	74.3	5.99	76.4	6.11
		106.0	54.2	3.67	58.6	4.27	63.9	4.99	69.5	5.62	71.5	5.76	74.3	5.90	76.4	6.00
		212.0	54.2	3.36	58.6	3.99	63.9	4.66	69.5	5.25	71.5	5.37	74.3	5.52	76.4	5.62
		265.1	54.2	3.28	58.6	3.90	63.9	4.57	69.5	5.15	71.5	5.26	74.3	5.43	76.4	5.50
		318.0	54.2	3.25	58.6	3.85	63.9	4.52	69.5	5.10	71.5	5.22	74.3	5.38	76.4	5.45
	15	84.8	53.6	4.97	58.0	5.77	63.2	6.72	68.7	7.57	70.7	7.75	73.5	7.93	75.6	8.08
		106.0	53.6	4.87	58.0	5.67	63.2	6.61	68.7	7.45	70.7	7.62	73.5	7.81	75.6	7.95
		212.0	53.6	4.46	58.0	5.30	63.2	6.18	68.7	6.96	70.7	7.13	73.5	7.31	75.6	7.46
		265.1	53.6	4.35	58.0	5.18	63.2	6.05	68.7	6.82	70.7	7.00	73.5	7.18	75.6	7.28
		318.0	53.6	4.29	58.0	5.12	63.2	5.99	68.7	6.76	70.7	6.93	73.5	7.12	75.6	7.20
	20	84.8	53.0	6.05	57.4	7.03	62.5	8.19	68.0	9.22	70.0	9.43	72.7	9.66	74.8	9.83
		106.0	53.0	5.93	57.4	6.91	62.5	8.06	68.0	9.07	70.0	9.28	72.7	9.51	74.8	9.68
		212.0	53.0	5.45	57.4	6.46	62.5	7.52	68.0	8.48	70.0	8.69	72.7	8.91	74.8	9.08
		265.1	53.0	5.30	57.4	6.33	62.5	7.37	68.0	8.32	70.0	8.53	72.7	8.74	74.8	8.87
		318.0	53.0	5.23	57.4	6.27	62.5	7.30	68.0	8.23	70.0	8.45	72.7	8.66	74.8	8.77
	25	84.8	53.0	7.43	57.4	8.63	62.5	10.06	68.0	11.33	70.0	11.60	72.7	11.87	74.8	12.09
		106.0	53.0	7.28	57.4	8.49	62.5	9.89	68.0	11.15	70.0	11.40	72.7	11.69	74.8	11.90
		212.0	53.0	6.70	57.4	7.94	62.5	9.25	68.0	10.42	70.0	10.67	72.7	10.95	74.8	11.16
		265.1	53.0	6.52	57.4	7.77	62.5	9.07	68.0	10.21	70.0	10.48	72.7	10.74	74.8	10.91
		318.0	53.0	6.42	57.4	7.69	62.5	8.97	68.0	10.10	70.0	10.38	72.7	10.64	74.8	10.77
	30	84.8	53.0	8.98	57.4	10.44	62.5	12.16	68.0	13.69	70.0	14.03	72.7	14.36	74.8	14.61
		106.0	53.0	8.80	57.4	10.28	62.5	11.97	68.0	13.47	70.0	13.80	72.7	14.14	74.8	14.39
		212.0	53.0	8.11	57.4	9.60	62.5	11.18	68.0	12.61	70.0	12.90	72.7	13.24	74.8	13.51
		265.1	53.0	7.87	57.4	9.40	62.5	10.95	68.0	12.35	70.0	12.67	72.7	12.99	74.8	13.19
		318.0	53.0	7.76	57.4	9.29	62.5	10.85	68.0	12.22	70.0	12.55	72.7	12.87	74.8	13.03
	35	84.8	48.5	9.20	52.5	10.70	57.2	12.46	62.2	14.04	64.1	14.37	66.6	14.73	68.5	14.98
		106.0	48.5	9.02	52.5	10.53	57.2	12.25	62.2	13.81	64.1	14.15	66.6	14.49	68.5	14.75
		212.0	48.5	8.30	52.5	9.84	57.2	11.46	62.2	12.91	64.1	13.23	66.6	13.58	68.5	13.83
		265.1	48.5	8.08	52.5	9.64	57.2	11.23	62.2	12.66	64.1	12.98	66.6	13.32	68.5	13.51
		318.0	48.5	7.96	52.5	9.53	57.2	11.11	62.2	12.53	64.1	12.86	66.6	13.18	68.5	13.34
	40	84.8	44.0	9.92	47.6	11.51	51.9	13.41	56.4	15.10	58.1	15.47	60.4	15.84	62.1	16.12
		106.0	44.0	9.71	47.6	11.33	51.9	13.20	56.4	14.86	58.1	15.22	60.4	15.59	62.1	15.88
		212.0	44.0	8.94	47.6	10.59	51.9	12.34	56.4	13.90	58.1	14.23	60.4	14.61	62.1	14.89
		265.1	44.0	8.69	47.6	10.37	51.9	12.09	56.4	13.62	58.1	13.97	60.4	14.33	62.1	14.55
		318.0	44.0	8.56	47.6	10.26	51.9	11.96	56.4	13.48	58.1	13.83	60.4	14.19	62.1	14.37

7. Capacity tables

Cooling Capacity (22 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	45	84.8	39.6	10.62	42.8	12.33	46.7	14.37	50.6	16.18	52.1	16.56	54.2	16.96	55.7	17.26
		106.0	39.6	10.41	42.8	12.13	46.7	14.14	50.6	15.91	52.1	16.29	54.2	16.69	55.7	17.00
		212.0	39.6	9.57	42.8	11.35	46.7	13.22	50.6	14.88	52.1	15.24	54.2	15.64	55.7	15.94
		265.1	39.6	9.30	42.8	11.11	46.7	12.95	50.6	14.59	52.1	14.95	54.2	15.35	55.7	15.58
		318.0	39.6	9.16	42.8	10.98	46.7	12.82	50.6	14.45	52.1	14.82	54.2	15.21	55.7	15.40
110	10	84.8	51.2	3.54	55.3	4.11	60.3	4.77	65.5	5.38	67.4	5.51	70.1	5.64	72.1	5.75
		106.0	51.2	3.47	55.3	4.04	60.3	4.70	65.5	5.29	67.4	5.42	70.1	5.55	72.1	5.66
		212.0	51.2	3.19	55.3	3.77	60.3	4.40	65.5	4.95	67.4	5.09	70.1	5.20	72.1	5.30
		265.1	51.2	3.09	55.3	3.70	60.3	4.30	65.5	4.87	67.4	4.98	70.1	5.10	72.1	5.18
		318.0	51.2	3.05	55.3	3.66	60.3	4.25	65.5	4.83	67.4	4.93	70.1	5.05	72.1	5.12
	15	84.8	50.8	4.74	55.0	5.50	59.9	6.40	65.2	7.22	67.1	7.38	69.7	7.57	71.6	7.71
		106.0	50.8	4.65	55.0	5.42	59.9	6.30	65.2	7.10	67.1	7.26	69.7	7.45	71.6	7.59
		212.0	50.8	4.27	55.0	5.06	59.9	5.91	65.2	6.64	67.1	6.81	69.7	6.98	71.6	7.11
		265.1	50.8	4.15	55.0	4.95	59.9	5.77	65.2	6.52	67.1	6.67	69.7	6.84	71.6	6.93
		318.0	50.8	4.09	55.0	4.90	59.9	5.70	65.2	6.46	67.1	6.61	69.7	6.77	71.6	6.84
	20	84.8	50.5	5.81	54.7	6.75	59.6	7.85	64.8	8.85	66.8	9.06	69.3	9.28	71.3	9.45
		106.0	50.5	5.69	54.7	6.64	59.6	7.73	64.8	8.71	66.8	8.91	69.3	9.13	71.3	9.30
		212.0	50.5	5.24	54.7	6.20	59.6	7.24	64.8	8.13	66.8	8.34	69.3	8.55	71.3	8.72
		265.1	50.5	5.09	54.7	6.07	59.6	7.07	64.8	7.98	66.8	8.18	69.3	8.39	71.3	8.49
		318.0	50.5	5.01	54.7	6.01	59.6	7.00	64.8	7.90	66.8	8.11	69.3	8.32	71.3	8.38
	25	84.8	50.5	7.10	54.7	8.26	59.6	9.62	64.8	10.84	66.8	11.08	69.3	11.35	71.3	11.56
		106.0	50.5	6.97	54.7	8.12	59.6	9.46	64.8	10.67	66.8	10.91	69.3	11.17	71.3	11.38
		212.0	50.5	6.40	54.7	7.60	59.6	8.85	64.8	9.97	66.8	10.21	69.3	10.48	71.3	10.67
		265.1	50.5	6.23	54.7	7.44	59.6	8.67	64.8	9.77	66.8	10.02	69.3	10.28	71.3	10.40
		318.0	50.5	6.14	54.7	7.36	59.6	8.58	64.8	9.66	66.8	9.92	69.3	10.17	71.3	10.27
	30	84.8	50.5	8.66	54.7	10.08	59.6	11.73	64.8	13.21	66.8	13.52	69.3	13.85	71.3	14.10
		106.0	50.5	8.49	54.7	9.91	59.6	11.54	64.8	12.99	66.8	13.31	69.3	13.63	71.3	13.88
		212.0	50.5	7.81	54.7	9.26	59.6	10.79	64.8	12.15	66.8	12.45	69.3	12.76	71.3	13.00
		265.1	50.5	7.60	54.7	9.07	59.6	10.56	64.8	11.91	66.8	12.21	69.3	12.52	71.3	12.68
		318.0	50.5	7.49	54.7	8.97	59.6	10.45	64.8	11.79	66.8	12.09	69.3	12.40	71.3	12.52
	35	84.8	47.1	9.00	50.9	10.47	55.5	12.19	60.4	13.73	62.2	14.05	64.6	14.40	66.3	14.66
		106.0	47.1	8.83	50.9	10.30	55.5	12.00	60.4	13.51	62.2	13.83	64.6	14.18	66.3	14.43
		212.0	47.1	8.12	50.9	9.63	55.5	11.22	60.4	12.63	62.2	12.94	64.6	13.27	66.3	13.52
		265.1	47.1	7.90	50.9	9.43	55.5	10.98	60.4	12.38	62.2	12.69	64.6	13.02	66.3	13.19
		318.0	47.1	7.79	50.9	9.32	55.5	10.86	60.4	12.26	62.2	12.57	64.6	12.90	66.3	13.03
	40	84.8	43.7	9.91	47.3	11.50	51.4	13.39	55.9	15.07	57.6	15.44	59.9	15.81	61.5	16.10
		106.0	43.7	9.70	47.3	11.31	51.4	13.18	55.9	14.84	57.6	15.19	59.9	15.56	61.5	15.85
		212.0	43.7	8.92	47.3	10.58	51.4	12.32	55.9	13.88	57.6	14.20	59.9	14.58	61.5	14.85
		265.1	43.7	8.67	47.3	10.35	51.4	12.07	55.9	13.60	57.6	13.95	59.9	14.31	61.5	14.48
		318.0	43.7	8.54	47.3	10.23	51.4	11.95	55.9	13.47	57.6	13.81	59.9	14.17	61.5	14.30
	45	84.8	40.2	10.80	43.5	12.52	47.5	14.61	51.5	16.43	53.1	16.83	55.2	17.23	56.6	17.54
		106.0	40.2	10.58	43.5	12.32	47.5	14.37	51.5	16.16	53.1	16.56	55.2	16.96	56.6	17.26
		212.0	40.2	9.71	43.5	11.54	47.5	13.42	51.5	15.13	53.1	15.48	55.2	15.90	56.6	16.19
		265.1	40.2	9.44	43.5	11.28	47.5	13.16	51.5	14.83	53.1	15.19	55.2	15.59	56.6	15.78
		318.0	40.2	9.30	43.5	11.16	47.5	13.03	51.5	14.68	53.1	15.06	55.2	15.44	56.6	15.57
100	10	84.8	48.1	3.33	52.0	3.88	56.7	4.51	61.6	5.07	63.5	5.19	65.9	5.34	67.7	5.42
		106.0	48.1	3.26	52.0	3.81	56.7	4.43	61.6	4.99	63.5	5.11	65.9	5.24	67.7	5.32
		212.0	48.1	3.00	52.0	3.55	56.7	4.14	61.6	4.68	63.5	4.79	65.9	4.89	67.7	4.97
		265.1	48.1	2.91	52.0	3.47	56.7	4.07	61.6	4.56	63.5	4.69	65.9	4.80	67.7	4.86
		318.0	48.1	2.87	52.0	3.43	56.7	4.04	61.6	4.50	63.5	4.64	65.9	4.75	67.7	4.80
	15	84.8	48.1	4.52	52.0	5.24	56.7	6.11	61.6	6.87	63.5	7.04	65.9	7.22	67.7	7.35
		106.0	48.1	4.43	52.0	5.16	56.7	6.01	61.6	6.76	63.5	6.92	65.9	7.10	67.7	7.23
		212.0	48.1	4.07	52.0	4.82	56.7	5.61	61.6	6.33	63.5	6.48	65.9	6.64	67.7	6.76
		265.1	48.1	3.96	52.0	4.71	56.7	5.51	61.6	6.19	63.5	6.36	65.9	6.52	67.7	6.59
		318.0	48.1	3.90	52.0	4.67	56.7	5.45	61.6	6.13	63.5	6.29	65.9	6.46	67.7	6.50
	20	84.8	48.1	5.56	52.0	6.46	56.7	7.53	61.6	8.48	63.5	8.67	65.9	8.89	67.7	9.06
		106.0	48.1	5.45	52.0	6.36	56.7	7.41	61.6	8.34	63.5	8.54	65.9	8.75	67.7	8.91
		212.0	48.1	5.02	52.0	5.95	56.7	6.92	61.6	7.80	63.5	7.98	65.9	8.19	67.7	8.34
		265.1	48.1	4.88	52.0	5.82	56.7	6.78	61.6	7.65	63.5	7.84	65.9	8.04	67.7	8.12
		318.0	48.1	4.81	52.0	5.76	56.7	6.71	61.6	7.57	63.5	7.76	65.9	7.96	67.7	8.01
	25	84.8	48.1	6.78	52.0	7.88	56.7	9.19	61.6	10.35	63.5	10.59	65.9	10.84	67.7	11.05
		106.0	48.1	6.64	52.0	7.75	56.7	9.04	61.6	10.18	63.5	10.42	65.9	10.67	67.7	10.87
		212.0	48.1	6.12	52.0	7.25	56.7	8.45	61.6	9.51	63.5	9.74	65.9	9.99	67.7	10.17
		265.1	48.1	5.95	52.0	7.10	56.7	8.27	61.6	9.33	63.5	9.56	65.9	9.81	67.7	9.90
		318.0	48.1	5.86	52.0	7.03	56.7	8.18	61.6	9.23	63.5	9.46	65.9	9.71	67.7	9.77
	30	84.8	48.1	8.35	52.0	9.70	56.7	11.30	61.6	12.72	63.5	13.03	65.9	13.34	67.7	13.59
		106.0	48.1	8.18	52.0	9.55	56.7	11.12	61.6	12.51	63.5	12.82	65.9	13.12	67.7	13.36
		212.0	48.1	7.52	52.0	8.92	56.7	10.39	61.6	11.70	63.5	11.98	65.9	12.28	67.7	12.50
		265.1	48.1	7.31	52.0	8.73	56.7	10.18	61.6	11.47	63.5	11.76	65.9	12.05	67.7	12.18
		318.0	48.1	7.21	52.0	8.64	56.7	10.07	61.6	11.35	63.5	11.64	65.9	11.94	67.7	12.02
	35	84.8	45.6	8.81	49.5	10.23	53.9	11.92	58.5	13.42	60.3	13.75	62.7	14.07	64.4	14.33
		106.0	45.6	8.63	49.5	10.06	53.9	11.73	58.5	13.21	60.3	13.53	62.7	13.85	64.4	14.10
		212.0	45.6	7.94	49.5	9.42	53.9	10.96	58.5	12.35	60.3	12.65	62.7	12.97	64.4	13.20
		265.1	45.6	7.72	49.5	9.21	53.9	10.74	58.5	12.11	60.3	12.41	62.7	12.73	64.4	12.86
		318.0	45.6	7.61	49.5	9.12	53.9	10.63	58.5	11.99	60.3	12.29	62.7	12.61	64.4	12.68

7. Capacity tables

Cooling Capacity (22 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	40	84.8	43.2	9.88	46.8	11.49	50.9	13.38	55.5	15.07	57.1	15.42	59.4	15.80	61.0	16.07
		106.0	43.2	9.68	46.8	11.30	50.9	13.16	55.5	14.82	57.1	15.18	59.4	15.54	61.0	15.82
		212.0	43.2	8.91	46.8	10.55	50.9	12.30	55.5	13.85	57.1	14.19	59.4	14.55	61.0	14.81
		265.1	43.2	8.66	46.8	10.33	50.9	12.04	55.5	13.59	57.1	13.93	59.4	14.28	61.0	14.42
		318.0	43.2	8.54	46.8	10.23	50.9	11.92	55.5	13.46	57.1	13.80	59.4	14.15	61.0	14.23
	45	84.8	40.8	10.94	44.2	12.74	48.1	14.84	52.3	16.71	53.9	17.10	56.0	17.52	57.7	17.82
		106.0	40.8	10.73	44.2	12.53	48.1	14.60	52.3	16.43	53.9	16.82	56.0	17.24	57.7	17.54
		212.0	40.8	9.87	44.2	11.70	48.1	13.64	52.3	15.36	53.9	15.72	56.0	16.13	57.7	16.42
		265.1	40.8	9.60	44.2	11.45	48.1	13.34	52.3	15.06	53.9	15.44	56.0	15.83	57.7	15.99
		318.0	40.8	9.47	44.2	11.33	48.1	13.20	52.3	14.93	53.9	15.31	56.0	15.68	57.7	15.78
90	10	84.8	43.2	2.87	46.8	3.33	50.9	3.85	55.5	4.37	57.1	4.47	59.4	4.57	61.0	4.68
		106.0	43.2	2.81	46.8	3.27	50.9	3.80	55.5	4.30	57.1	4.39	59.4	4.50	61.0	4.60
		212.0	43.2	2.58	46.8	3.06	50.9	3.58	55.5	4.01	57.1	4.11	59.4	4.22	61.0	4.30
		265.1	43.2	2.51	46.8	3.00	50.9	3.49	55.5	3.93	57.1	4.03	59.4	4.15	61.0	4.17
		318.0	43.2	2.47	46.8	2.96	50.9	3.44	55.5	3.88	57.1	3.99	59.4	4.10	61.0	4.10
	15	84.8	43.2	3.88	46.8	4.52	50.9	5.25	55.5	5.92	57.1	6.06	59.4	6.20	61.0	6.33
		106.0	43.2	3.80	46.8	4.45	50.9	5.17	55.5	5.82	57.1	5.96	59.4	6.11	61.0	6.22
		212.0	43.2	3.50	46.8	4.15	50.9	4.84	55.5	5.44	57.1	5.57	59.4	5.72	61.0	5.82
		265.1	43.2	3.40	46.8	4.06	50.9	4.73	55.5	5.33	57.1	5.47	59.4	5.61	61.0	5.67
		318.0	43.2	3.36	46.8	4.02	50.9	4.68	55.5	5.29	57.1	5.42	59.4	5.55	61.0	5.58
	20	84.8	43.2	4.79	46.8	5.57	50.9	6.49	55.5	7.30	57.1	7.47	59.4	7.65	61.0	7.79
		106.0	43.2	4.68	46.8	5.48	50.9	6.39	55.5	7.18	57.1	7.35	59.4	7.53	61.0	7.67
		212.0	43.2	4.32	46.8	5.11	50.9	5.96	55.5	6.71	57.1	6.88	59.4	7.04	61.0	7.18
		265.1	43.2	4.21	46.8	5.01	50.9	5.84	55.5	6.59	57.1	6.75	59.4	6.91	61.0	7.00
		318.0	43.2	4.15	46.8	4.95	50.9	5.78	55.5	6.53	57.1	6.68	59.4	6.85	61.0	6.90
	25	84.8	43.2	5.83	46.8	6.79	50.9	7.90	55.5	8.90	57.1	9.11	59.4	9.34	61.0	9.50
		106.0	43.2	5.72	46.8	6.67	50.9	7.77	55.5	8.76	57.1	8.96	59.4	9.19	61.0	9.35
		212.0	43.2	5.27	46.8	6.24	50.9	7.26	55.5	8.19	57.1	8.38	59.4	8.59	61.0	8.75
		265.1	43.2	5.11	46.8	6.11	50.9	7.13	55.5	8.03	57.1	8.22	59.4	8.44	61.0	8.53
		318.0	43.2	5.04	46.8	6.04	50.9	7.06	55.5	7.95	57.1	8.14	59.4	8.35	61.0	8.42
	30	84.8	43.2	7.18	46.8	8.36	50.9	9.72	55.5	10.95	57.1	11.20	59.4	11.49	61.0	11.69
		106.0	43.2	7.03	46.8	8.22	50.9	9.57	55.5	10.77	57.1	11.03	59.4	11.30	61.0	11.51
		212.0	43.2	6.47	46.8	7.68	50.9	8.95	55.5	10.06	57.1	10.31	59.4	10.57	61.0	10.77
		265.1	43.2	6.30	46.8	7.51	50.9	8.76	55.5	9.87	57.1	10.12	59.4	10.38	61.0	10.48
		318.0	43.2	6.22	46.8	7.44	50.9	8.67	55.5	9.78	57.1	10.02	59.4	10.29	61.0	10.33
	35	84.8	42.1	7.75	45.6	9.00	49.6	10.49	53.9	11.81	55.5	12.09	57.7	12.38	59.3	12.60
		106.0	42.1	7.60	45.6	8.85	49.6	10.31	53.9	11.62	55.5	11.89	57.7	12.19	59.3	12.41
		212.0	42.1	6.99	45.6	8.29	49.6	9.65	53.9	10.87	55.5	11.13	57.7	11.40	59.3	11.62
		265.1	42.1	6.79	45.6	8.11	49.6	9.44	53.9	10.66	55.5	10.92	57.7	11.19	59.3	11.31
		318.0	42.1	6.69	45.6	8.03	49.6	9.35	53.9	10.55	55.5	10.82	57.7	11.09	59.3	11.16
	40	84.8	40.8	8.90	44.2	10.35	48.2	12.06	52.3	13.57	53.9	13.89	56.1	14.23	57.5	14.48
		106.0	40.8	8.72	44.2	10.18	48.2	11.86	52.3	13.34	53.9	13.67	56.1	14.00	57.5	14.25
		212.0	40.8	8.03	44.2	9.52	48.2	11.09	52.3	12.48	53.9	12.78	56.1	13.10	57.5	13.34
		265.1	40.8	7.80	44.2	9.31	48.2	10.86	52.3	12.24	53.9	12.54	56.1	12.87	57.5	12.99
		318.0	40.8	7.68	44.2	9.21	48.2	10.74	52.3	12.11	53.9	12.42	56.1	12.74	57.5	12.81
	45	84.8	39.6	10.04	42.9	11.68	46.8	13.62	50.8	15.33	52.3	15.69	54.4	16.07	55.9	16.35
		106.0	39.6	9.85	42.9	11.50	46.8	13.40	50.8	15.07	52.3	15.44	54.4	15.82	55.9	16.10
		212.0	39.6	9.07	42.9	10.75	46.8	12.52	50.8	14.09	52.3	14.44	54.4	14.81	55.9	15.07
		265.1	39.6	8.81	42.9	10.51	46.8	12.26	50.8	13.81	52.3	14.17	54.4	14.53	55.9	14.68
		318.0	39.6	8.68	42.9	10.38	46.8	12.14	50.8	13.67	52.3	14.03	54.4	14.39	55.9	14.48
80 80	10	84.8	38.5	2.40	41.7	2.78	45.4	3.25	49.3	3.67	50.7	3.74	52.8	3.85	54.2	3.90
		106.0	38.5	2.36	41.7	2.74	45.4	3.19	49.3	3.61	50.7	3.69	52.8	3.79	54.2	3.84
		212.0	38.5	2.17	41.7	2.57	45.4	2.99	49.3	3.36	50.7	3.45	52.8	3.52	54.2	3.59
		265.1	38.5	2.10	41.7	2.51	45.4	2.93	49.3	3.30	50.7	3.37	52.8	3.48	54.2	3.51
		318.0	38.5	2.07	41.7	2.47	45.4	2.91	49.3	3.26	50.7	3.35	52.8	3.46	54.2	3.46
	15	84.8	38.5	3.25	41.7	3.79	45.4	4.40	49.3	4.96	50.7	5.09	52.8	5.21	54.2	5.30
		106.0	38.5	3.19	41.7	3.72	45.4	4.33	49.3	4.88	50.7	5.00	52.8	5.12	54.2	5.21
		212.0	38.5	2.94	41.7	3.48	45.4	4.05	49.3	4.57	50.7	4.67	52.8	4.79	54.2	4.88
		265.1	38.5	2.86	41.7	3.40	45.4	3.97	49.3	4.47	50.7	4.58	52.8	4.70	54.2	4.75
		318.0	38.5	2.82	41.7	3.36	45.4	3.93	49.3	4.44	50.7	4.54	52.8	4.67	54.2	4.69
	20	84.8	38.5	4.01	41.7	4.66	45.4	5.43	49.3	6.11	50.7	6.27	52.8	6.41	54.2	6.54
		106.0	38.5	3.94	41.7	4.59	45.4	5.34	49.3	6.02	50.7	6.17	52.8	6.31	54.2	6.43
		212.0	38.5	3.61	41.7	4.29	45.4	5.00	49.3	5.63	50.7	5.76	52.8	5.91	54.2	6.02
		265.1	38.5	3.52	41.7	4.21	45.4	4.89	49.3	5.52	50.7	5.66	52.8	5.79	54.2	5.86
		318.0	38.5	3.47	41.7	4.15	45.4	4.84	49.3	5.47	50.7	5.60	52.8	5.73	54.2	5.78
	25	84.8	38.5	4.89	41.7	5.68	45.4	6.62	49.3	7.46	50.7	7.63	52.8	7.83	54.2	7.97
		106.0	38.5	4.80	41.7	5.59	45.4	6.52	49.3	7.34	50.7	7.51	52.8	7.70	54.2	7.85
		212.0	38.5	4.42	41.7	5.24	45.4	6.09	49.3	6.86	50.7	7.03	52.8	7.21	54.2	7.34
		265.1	38.5	4.29	41.7	5.12	45.4	5.97	49.3	6.73	50.7	6.89	52.8	7.07	54.2	7.14
		318.0	38.5	4.23	41.7	5.07	45.4	5.92	49.3	6.66	50.7	6.83	52.8	7.01	54.2	7.05
	30	84.8	38.5	6.03	41.7	7.00	45.4	8.15	49.3	9.18	50.7	9.39	52.8	9.61	54.2	9.80
		106.0	38.5	5.91	41.7	6.88	45.4	8.02	49.3	9.03	50.7	9.24	52.8	9.46	54.2	9.64
		212.0	38.5	5.42	41.7	6.43	45.4	7.49	49.3	8.44	50.7	8.64	52.8	8.86	54.2	9.02
		265.1	38.5	5.28	41.7	6.30	45.4	7.34	49.3	8.28	50.7	8.48	52.8	8.70	54.2	8.79
		318.0	38.5	5.20	41.7	6.24	45.4	7.26	49.3	8.20	50.7	8.40	52.8	8.61	54.2	8.67

7. Capacity tables

Cooling Capacity (22 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	35	84.8	38.5	6.69	41.7	7.78	45.4	9.06	49.3	10.20	50.7	10.44	52.8	10.70	54.2	10.89
		106.0	38.5	6.56	41.7	7.65	45.4	8.91	49.3	10.04	50.7	10.28	52.8	10.53	54.2	10.72
		212.0	38.5	6.03	41.7	7.15	45.4	8.34	49.3	9.39	50.7	9.60	52.8	9.85	54.2	10.03
		265.1	38.5	5.87	41.7	7.00	45.4	8.16	49.3	9.21	50.7	9.43	52.8	9.67	54.2	9.76
		318.0	38.5	5.78	41.7	6.91	45.4	8.08	49.3	9.10	50.7	9.33	52.8	9.58	54.2	9.63
	40	84.8	38.5	7.92	41.7	9.21	45.4	10.73	49.3	12.09	50.7	12.36	52.8	12.66	54.2	12.89
		106.0	38.5	7.76	41.7	9.06	45.4	10.55	49.3	11.88	50.7	12.16	52.8	12.46	54.2	12.68
		212.0	38.5	7.14	41.7	8.47	45.4	9.86	49.3	11.12	50.7	11.37	52.8	11.66	54.2	11.88
		265.1	38.5	6.94	41.7	8.29	45.4	9.66	49.3	10.90	50.7	11.15	52.8	11.44	54.2	11.57
		318.0	38.5	6.83	41.7	8.20	45.4	9.56	49.3	10.78	50.7	11.05	52.8	11.33	54.2	11.41
	45	84.8	38.5	9.15	41.7	10.65	45.4	12.41	49.3	13.96	50.7	14.28	52.8	14.62	54.2	14.89
		106.0	38.5	8.97	41.7	10.47	45.4	12.21	49.3	13.74	50.7	14.05	52.8	14.39	54.2	14.65
		212.0	38.5	8.25	41.7	9.78	45.4	11.40	49.3	12.85	50.7	13.14	52.8	13.48	54.2	13.73
		265.1	38.5	8.01	41.7	9.58	45.4	11.16	49.3	12.59	50.7	12.89	52.8	13.21	54.2	13.37
		318.0	38.5	7.90	41.7	9.48	45.4	11.04	49.3	12.46	50.7	12.77	52.8	13.08	54.2	13.20
70	10	84.8	33.6	1.99	36.5	2.32	39.6	2.72	43.1	3.05	44.4	3.10	46.2	3.19	47.4	3.25
		106.0	33.6	1.95	36.5	2.28	39.6	2.67	43.1	3.01	44.4	3.05	46.2	3.14	47.4	3.19
		212.0	33.6	1.80	36.5	2.15	39.6	2.48	43.1	2.80	44.4	2.87	46.2	2.94	47.4	3.01
		265.1	33.6	1.73	36.5	2.08	39.6	2.43	43.1	2.74	44.4	2.81	46.2	2.88	47.4	2.92
		318.0	33.6	1.71	36.5	2.04	39.6	2.41	43.1	2.72	44.4	2.78	46.2	2.86	47.4	2.89
	15	84.8	33.6	2.70	36.5	3.14	39.6	3.66	43.1	4.12	44.4	4.21	46.2	4.33	47.4	4.40
		106.0	33.6	2.65	36.5	3.10	39.6	3.60	43.1	4.06	44.4	4.15	46.2	4.25	47.4	4.33
		212.0	33.6	2.44	36.5	2.90	39.6	3.36	43.1	3.79	44.4	3.88	46.2	3.99	47.4	4.06
		265.1	33.6	2.37	36.5	2.83	39.6	3.30	43.1	3.72	44.4	3.81	46.2	3.91	47.4	3.96
		318.0	33.6	2.33	36.5	2.80	39.6	3.26	43.1	3.69	44.4	3.77	46.2	3.87	47.4	3.90
	20	84.8	33.6	3.34	36.5	3.87	39.6	4.51	43.1	5.08	44.4	5.21	46.2	5.33	47.4	5.43
		106.0	33.6	3.27	36.5	3.81	39.6	4.45	43.1	5.00	44.4	5.12	46.2	5.25	47.4	5.34
		212.0	33.6	3.00	36.5	3.57	39.6	4.16	43.1	4.68	44.4	4.79	46.2	4.92	47.4	5.00
		265.1	33.6	2.93	36.5	3.49	39.6	4.07	43.1	4.59	44.4	4.70	46.2	4.82	47.4	4.87
		318.0	33.6	2.88	36.5	3.46	39.6	4.03	43.1	4.54	44.4	4.67	46.2	4.77	47.4	4.80
	25	84.8	33.6	4.07	36.5	4.73	39.6	5.52	43.1	6.21	44.4	6.35	46.2	6.51	47.4	6.62
		106.0	33.6	3.99	36.5	4.66	39.6	5.42	43.1	6.11	44.4	6.25	46.2	6.40	47.4	6.52
		212.0	33.6	3.67	36.5	4.35	39.6	5.07	43.1	5.71	44.4	5.84	46.2	5.99	47.4	6.10
		265.1	33.6	3.57	36.5	4.25	39.6	4.96	43.1	5.59	44.4	5.73	46.2	5.88	47.4	5.94
		318.0	33.6	3.51	36.5	4.21	39.6	4.91	43.1	5.54	44.4	5.68	46.2	5.82	47.4	5.86
	30	84.8	33.6	5.01	36.5	5.81	39.6	6.78	43.1	7.63	44.4	7.81	46.2	8.00	47.4	8.14
		106.0	33.6	4.91	36.5	5.72	39.6	6.66	43.1	7.50	44.4	7.69	46.2	7.87	47.4	8.01
		212.0	33.6	4.51	36.5	5.34	39.6	6.23	43.1	7.02	44.4	7.19	46.2	7.37	47.4	7.49
		265.1	33.6	4.39	36.5	5.24	39.6	6.11	43.1	6.88	44.4	7.04	46.2	7.24	47.4	7.31
		318.0	33.6	4.33	36.5	5.18	39.6	6.04	43.1	6.82	44.4	6.97	46.2	7.16	47.4	7.22
	35	84.8	33.6	5.56	36.5	6.46	39.6	7.53	43.1	8.48	44.4	8.67	46.2	8.89	47.4	9.06
		106.0	33.6	5.45	36.5	6.36	39.6	7.41	43.1	8.34	44.4	8.54	46.2	8.75	47.4	8.91
		212.0	33.6	5.02	36.5	5.95	39.6	6.92	43.1	7.80	44.4	7.98	46.2	8.19	47.4	8.34
		265.1	33.6	4.88	36.5	5.82	39.6	6.78	43.1	7.65	44.4	7.84	46.2	8.03	47.4	8.12
		318.0	33.6	4.81	36.5	5.76	39.6	6.71	43.1	7.57	44.4	7.76	46.2	7.95	47.4	8.01
	40	84.8	33.6	6.60	36.5	7.64	39.6	8.92	43.1	10.04	44.4	10.28	46.2	10.53	47.4	10.72
		106.0	33.6	6.46	36.5	7.52	39.6	8.78	43.1	9.87	44.4	10.11	46.2	10.36	47.4	10.54
		212.0	33.6	5.94	36.5	7.04	39.6	8.20	43.1	9.23	44.4	9.45	46.2	9.69	47.4	9.87
		265.1	33.6	5.77	36.5	6.88	39.6	8.03	43.1	9.06	44.4	9.28	46.2	9.52	47.4	9.62
		318.0	33.6	5.69	36.5	6.81	39.6	7.94	43.1	8.98	44.4	9.19	46.2	9.43	47.4	9.49
	45	84.8	33.6	7.63	36.5	8.84	39.6	10.31	43.1	11.59	44.4	11.88	46.2	12.17	47.4	12.39
		106.0	33.6	7.48	36.5	8.70	39.6	10.14	43.1	11.40	44.4	11.69	46.2	11.98	47.4	12.19
		212.0	33.6	6.86	36.5	8.14	39.6	9.47	43.1	10.67	44.4	10.92	46.2	11.20	47.4	11.40
		265.1	33.6	6.66	36.5	7.95	39.6	9.28	43.1	10.47	44.4	10.73	46.2	11.01	47.4	11.12
		318.0	33.6	6.57	36.5	7.85	39.6	9.18	43.1	10.37	44.4	10.63	46.2	10.91	47.4	10.97
60	10	84.8	28.8	1.61	31.3	1.85	34.0	2.16	36.9	2.43	38.0	2.49	39.6	2.55	40.7	2.61
		106.0	28.8	1.57	31.3	1.82	34.0	2.12	36.9	2.38	38.0	2.45	39.6	2.51	40.7	2.56
		212.0	28.8	1.43	31.3	1.70	34.0	1.98	36.9	2.22	38.0	2.27	39.6	2.34	40.7	2.38
		265.1	28.8	1.39	31.3	1.67	34.0	1.94	36.9	2.20	38.0	2.24	39.6	2.28	40.7	2.32
		318.0	28.8	1.37	31.3	1.66	34.0	1.93	36.9	2.18	38.0	2.23	39.6	2.26	40.7	2.28
	15	84.8	28.8	2.17	31.3	2.51	34.0	2.92	36.9	3.29	38.0	3.37	39.6	3.45	40.7	3.51
		106.0	28.8	2.12	31.3	2.47	34.0	2.87	36.9	3.23	38.0	3.32	39.6	3.39	40.7	3.46
		212.0	28.8	1.94	31.3	2.30	34.0	2.69	36.9	3.02	38.0	3.10	39.6	3.17	40.7	3.23
		265.1	28.8	1.89	31.3	2.26	34.0	2.63	36.9	2.97	38.0	3.04	39.6	3.11	40.7	3.15
		318.0	28.8	1.86	31.3	2.24	34.0	2.61	36.9	2.94	38.0	3.01	39.6	3.08	40.7	3.10
	20	84.8	28.8	2.66	31.3	3.09	34.0	3.59	36.9	4.06	38.0	4.15	39.6	4.25	40.7	4.33
		106.0	28.8	2.61	31.3	3.04	34.0	3.54	36.9	3.99	38.0	4.09	39.6	4.19	40.7	4.25
		212.0	28.8	2.39	31.3	2.85	34.0	3.32	36.9	3.73	38.0	3.82	39.6	3.92	40.7	3.99
		265.1	28.8	2.33	31.3	2.78	34.0	3.24	36.9	3.66	38.0	3.75	39.6	3.84	40.7	3.88
		318.0	28.8	2.30	31.3	2.75	34.0	3.21	36.9	3.62	38.0	3.71	39.6	3.81	40.7	3.83
	25	84.8	28.8	3.24	31.3	3.77	34.0	4.38	36.9	4.94	38.0	5.07	39.6	5.19	40.7	5.28
		106.0	28.8	3.18	31.3	3.71	34.0	4.32	36.9	4.87	38.0	4.98	39.6	5.10	40.7	5.19
		212.0	28.8	2.93	31.3	3.47	34.0	4.04	36.9	4.55	38.0	4.66	39.6	4.78	40.7	4.87
		265.1	28.8	2.85	31.3	3.39	34.0	3.96	36.9	4.45	38.0	4.57	39.6	4.68	40.7	4.73
		318.0	28.8	2.81	31.3	3.36	34.0	3.92	36.9	4.41	38.0	4.54	39.6	4.65	40.7	4.67

7. Capacity tables

Cooling Capacity (22 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	30	84.8	28.8	3.99	31.3	4.65	34.0	5.40	36.9	6.08	38.0	6.22	39.6	6.37	40.7	6.50
		106.0	28.8	3.91	31.3	4.57	34.0	5.31	36.9	5.98	38.0	6.13	39.6	6.28	40.7	6.40
		212.0	28.8	3.59	31.3	4.26	34.0	4.97	36.9	5.59	38.0	5.73	39.6	5.88	40.7	5.98
		265.1	28.8	3.50	31.3	4.18	34.0	4.87	36.9	5.49	38.0	5.62	39.6	5.77	40.7	5.82
		318.0	28.8	3.45	31.3	4.13	34.0	4.82	36.9	5.43	38.0	5.56	39.6	5.72	40.7	5.75
	35	84.8	28.8	4.43	31.3	5.15	34.0	6.00	36.9	6.76	38.0	6.92	39.6	7.08	40.7	7.21
		106.0	28.8	4.34	31.3	5.07	34.0	5.91	36.9	6.64	38.0	6.81	39.6	6.98	40.7	7.10
		212.0	28.8	4.00	31.3	4.73	34.0	5.52	36.9	6.22	38.0	6.37	39.6	6.53	40.7	6.64
		265.1	28.8	3.88	31.3	4.64	34.0	5.41	36.9	6.09	38.0	6.25	39.6	6.40	40.7	6.47
		318.0	28.8	3.82	31.3	4.59	34.0	5.35	36.9	6.03	38.0	6.19	39.6	6.34	40.7	6.38
	40	84.8	28.8	5.26	31.3	6.11	34.0	7.10	36.9	8.00	38.0	8.19	39.6	8.39	40.7	8.55
		106.0	28.8	5.15	31.3	6.01	34.0	7.00	36.9	7.87	38.0	8.06	39.6	8.26	40.7	8.41
		212.0	28.8	4.73	31.3	5.61	34.0	6.54	36.9	7.37	38.0	7.53	39.6	7.73	40.7	7.87
		265.1	28.8	4.60	31.3	5.50	34.0	6.40	36.9	7.22	38.0	7.39	39.6	7.59	40.7	7.66
		318.0	28.8	4.54	31.3	5.44	34.0	6.34	36.9	7.14	38.0	7.32	39.6	7.51	40.7	7.55
	45	84.8	28.8	6.08	31.3	7.07	34.0	8.21	36.9	9.24	38.0	9.46	39.6	9.70	40.7	9.88
		106.0	28.8	5.95	31.3	6.95	34.0	8.09	36.9	9.09	38.0	9.31	39.6	9.55	40.7	9.72
		212.0	28.8	5.47	31.3	6.49	34.0	7.56	36.9	8.51	38.0	8.71	39.6	8.93	40.7	9.09
		265.1	28.8	5.31	31.3	6.36	34.0	7.41	36.9	8.34	38.0	8.54	39.6	8.77	40.7	8.84
		318.0	28.8	5.24	31.3	6.29	34.0	7.34	36.9	8.26	38.0	8.45	39.6	8.69	40.7	8.72
50	10	84.8	24.0	1.19	26.1	1.36	28.3	1.62	30.8	1.80	31.7	1.86	33.0	1.89	33.9	1.94
		106.0	24.0	1.17	26.1	1.35	28.3	1.58	30.8	1.77	31.7	1.83	33.0	1.86	33.9	1.91
		212.0	24.0	1.08	26.1	1.27	28.3	1.47	30.8	1.67	31.7	1.72	33.0	1.73	33.9	1.77
		265.1	24.0	1.04	26.1	1.24	28.3	1.46	30.8	1.62	31.7	1.66	33.0	1.71	33.9	1.73
		318.0	24.0	1.02	26.1	1.24	28.3	1.45	30.8	1.59	31.7	1.64	33.0	1.69	33.9	1.71
	15	84.8	24.0	1.61	26.1	1.86	28.3	2.18	30.8	2.45	31.7	2.51	33.0	2.57	33.9	2.62
		106.0	24.0	1.58	26.1	1.84	28.3	2.14	30.8	2.41	31.7	2.48	33.0	2.52	33.9	2.58
		212.0	24.0	1.45	26.1	1.72	28.3	2.01	30.8	2.26	31.7	2.31	33.0	2.37	33.9	2.41
		265.1	24.0	1.40	26.1	1.68	28.3	1.97	30.8	2.21	31.7	2.26	33.0	2.32	33.9	2.35
		318.0	24.0	1.39	26.1	1.66	28.3	1.95	30.8	2.18	31.7	2.24	33.0	2.30	33.9	2.32
	20	84.8	24.0	1.98	26.1	2.31	28.3	2.68	30.8	3.03	31.7	3.10	33.0	3.17	33.9	3.22
		106.0	24.0	1.94	26.1	2.27	28.3	2.64	30.8	2.98	31.7	3.05	33.0	3.12	33.9	3.17
		212.0	24.0	1.78	26.1	2.12	28.3	2.48	30.8	2.78	31.7	2.85	33.0	2.93	33.9	2.98
		265.1	24.0	1.74	26.1	2.07	28.3	2.42	30.8	2.73	31.7	2.79	33.0	2.87	33.9	2.90
		318.0	24.0	1.71	26.1	2.06	28.3	2.39	30.8	2.70	31.7	2.76	33.0	2.85	33.9	2.86
	25	84.8	24.0	2.42	26.1	2.81	28.3	3.27	30.8	3.68	31.7	3.78	33.0	3.86	33.9	3.93
		106.0	24.0	2.37	26.1	2.76	28.3	3.22	30.8	3.62	31.7	3.72	33.0	3.80	33.9	3.87
		212.0	24.0	2.18	26.1	2.58	28.3	3.01	30.8	3.39	31.7	3.48	33.0	3.57	33.9	3.62
		265.1	24.0	2.12	26.1	2.52	28.3	2.95	30.8	3.33	31.7	3.40	33.0	3.49	33.9	3.54
		318.0	24.0	2.08	26.1	2.49	28.3	2.93	30.8	3.29	31.7	3.37	33.0	3.46	33.9	3.49
	30	84.8	24.0	2.97	26.1	3.46	28.3	4.03	30.8	4.54	31.7	4.65	33.0	4.76	33.9	4.83
		106.0	24.0	2.92	26.1	3.40	28.3	3.96	30.8	4.46	31.7	4.57	33.0	4.68	33.9	4.76
		212.0	24.0	2.69	26.1	3.18	28.3	3.71	30.8	4.18	31.7	4.27	33.0	4.39	33.9	4.45
		265.1	24.0	2.61	26.1	3.11	28.3	3.62	30.8	4.09	31.7	4.20	33.0	4.30	33.9	4.34
		318.0	24.0	2.57	26.1	3.07	28.3	3.59	30.8	4.06	31.7	4.15	33.0	4.26	33.9	4.29
	35	84.8	24.0	3.31	26.1	3.84	28.3	4.48	30.8	5.04	31.7	5.16	33.0	5.29	33.9	5.37
		106.0	24.0	3.24	26.1	3.78	28.3	4.41	30.8	4.95	31.7	5.08	33.0	5.20	33.9	5.30
		212.0	24.0	2.98	26.1	3.54	28.3	4.12	30.8	4.64	31.7	4.74	33.0	4.87	33.9	4.95
		265.1	24.0	2.90	26.1	3.46	28.3	4.03	30.8	4.55	31.7	4.66	33.0	4.78	33.9	4.82
		318.0	24.0	2.86	26.1	3.42	28.3	3.99	30.8	4.51	31.7	4.61	33.0	4.74	33.9	4.76
	40	84.8	24.0	3.92	26.1	4.55	28.3	5.30	30.8	5.97	31.7	6.11	33.0	6.26	33.9	6.37
		106.0	24.0	3.83	26.1	4.47	28.3	5.21	30.8	5.88	31.7	6.01	33.0	6.16	33.9	6.28
		212.0	24.0	3.53	26.1	4.19	28.3	4.88	30.8	5.49	31.7	5.62	33.0	5.77	33.9	5.87
		265.1	24.0	3.43	26.1	4.09	28.3	4.78	30.8	5.38	31.7	5.52	33.0	5.66	33.9	5.72
		318.0	24.0	3.38	26.1	4.05	28.3	4.73	30.8	5.32	31.7	5.46	33.0	5.60	33.9	5.64
	45	84.8	24.0	4.52	26.1	5.26	28.3	6.12	30.8	6.92	31.7	7.05	33.0	7.23	33.9	7.38
		106.0	24.0	4.44	26.1	5.17	28.3	6.02	30.8	6.80	31.7	6.94	33.0	7.12	33.9	7.25
		212.0	24.0	4.08	26.1	4.83	28.3	5.63	30.8	6.34	31.7	6.50	33.0	6.67	33.9	6.78
		265.1	24.0	3.96	26.1	4.73	28.3	5.52	30.8	6.21	31.7	6.38	33.0	6.53	33.9	6.61
		318.0	24.0	3.91	26.1	4.69	28.3	5.47	30.8	6.15	31.7	6.31	33.0	6.47	33.9	6.52

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB240LAS4

Cooling Capacity (24 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	92.4	62.4	4.35	67.7	5.07	73.6	5.92	80.0	6.65	82.5	6.80	85.7	6.99	88.1	7.11
		115.5	62.4	4.27	67.7	4.99	73.6	5.82	80.0	6.54	82.5	6.69	85.7	6.89	88.1	7.01
		231.0	62.4	3.95	67.7	4.66	73.6	5.43	80.0	6.12	82.5	6.29	85.7	6.44	88.1	6.57
		288.8	62.4	3.83	67.7	4.56	73.6	5.33	80.0	5.98	82.5	6.15	85.7	6.31	88.1	6.41
		346.5	62.4	3.77	67.7	4.52	73.6	5.27	80.0	5.92	82.5	6.09	85.7	6.24	88.1	6.33
	15	92.4	61.5	5.72	66.5	6.66	72.5	7.77	78.8	8.74	81.1	8.94	84.3	9.17	86.7	9.32
		115.5	61.5	5.61	66.5	6.55	72.5	7.64	78.8	8.59	81.1	8.80	84.3	9.02	86.7	9.19
		231.0	61.5	5.18	66.5	6.13	72.5	7.14	78.8	8.03	81.1	8.24	84.3	8.46	86.7	8.63
		288.8	61.5	5.03	66.5	5.99	72.5	6.99	78.8	7.88	81.1	8.08	84.3	8.28	86.7	8.43
		346.5	61.5	4.95	66.5	5.94	72.5	6.93	78.8	7.80	81.1	8.00	84.3	8.20	86.7	8.34
	20	92.4	60.5	6.95	65.5	8.08	71.5	9.40	77.7	10.59	80.0	10.84	83.1	11.10	85.4	11.30
		115.5	60.5	6.80	65.5	7.95	71.5	9.25	77.7	10.42	80.0	10.67	83.1	10.93	85.4	11.12
		231.0	60.5	6.26	65.5	7.43	71.5	8.66	77.7	9.75	80.0	9.99	83.1	10.26	85.4	10.46
		288.8	60.5	6.10	65.5	7.27	71.5	8.48	77.7	9.55	80.0	9.79	83.1	10.04	85.4	10.23
		346.5	60.5	6.02	65.5	7.20	71.5	8.39	77.7	9.46	80.0	9.70	83.1	9.94	85.4	10.11
	25	92.4	60.5	8.58	65.5	9.96	71.5	11.60	77.7	13.07	80.0	13.37	83.1	13.70	85.4	13.93
		115.5	60.5	8.41	65.5	9.79	71.5	11.41	77.7	12.86	80.0	13.15	83.1	13.49	85.4	13.72
		231.0	60.5	7.73	65.5	9.16	71.5	10.67	77.7	12.02	80.0	12.31	83.1	12.64	85.4	12.89
		288.8	60.5	7.50	65.5	8.96	71.5	10.45	77.7	11.79	80.0	12.08	83.1	12.40	85.4	12.60
		346.5	60.5	7.40	65.5	8.87	71.5	10.35	77.7	11.66	80.0	11.98	83.1	12.28	85.4	12.47
	30	92.4	60.5	10.29	65.5	11.94	71.5	13.92	77.7	15.68	80.0	16.05	83.1	16.43	85.4	16.72
		115.5	60.5	10.08	65.5	11.76	71.5	13.69	77.7	15.42	80.0	15.80	83.1	16.18	85.4	16.47
		231.0	60.5	9.26	65.5	10.99	71.5	12.80	77.7	14.41	80.0	14.78	83.1	15.16	85.4	15.47
		288.8	60.5	9.00	65.5	10.76	71.5	12.55	77.7	14.13	80.0	14.50	83.1	14.87	85.4	15.12
		346.5	60.5	8.87	65.5	10.64	71.5	12.41	77.7	14.00	80.0	14.36	83.1	14.72	85.4	14.94
	35	92.4	54.5	10.40	59.0	12.08	64.3	14.08	69.9	15.84	72.0	16.23	74.8	16.62	76.8	16.90
		115.5	54.5	10.19	59.0	11.89	64.3	13.85	69.9	15.59	72.0	15.97	74.8	16.36	76.8	16.64
		231.0	54.5	9.37	59.0	11.11	64.3	12.95	69.9	14.58	72.0	14.94	74.8	15.34	76.8	15.65
		288.8	54.5	9.11	59.0	10.87	64.3	12.68	69.9	14.30	72.0	14.66	74.8	15.04	76.8	15.29
		346.5	54.5	8.98	59.0	10.76	64.3	12.55	69.9	14.15	72.0	14.53	74.8	14.89	76.8	15.11
	40	92.4	48.5	10.97	52.5	12.74	57.1	14.85	62.1	16.72	64.0	17.10	66.5	17.52	68.4	17.84
		115.5	48.5	10.76	52.5	12.54	57.1	14.61	62.1	16.45	64.0	16.84	66.5	17.25	68.4	17.58
		231.0	48.5	9.89	52.5	11.73	57.1	13.67	62.1	15.38	64.0	15.77	66.5	16.18	68.4	16.50
		288.8	48.5	9.61	52.5	11.48	57.1	13.37	62.1	15.08	64.0	15.47	66.5	15.86	68.4	16.13
		346.5	48.5	9.47	52.5	11.35	57.1	13.22	62.1	14.93	64.0	15.32	66.5	15.71	68.4	15.95
	45	92.4	42.3	11.56	46.0	13.39	50.0	15.61	54.3	17.60	56.0	17.98	58.1	18.42	59.8	18.78
		115.5	42.3	11.32	46.0	13.18	50.0	15.36	54.3	17.31	56.0	17.70	58.1	18.14	59.8	18.50
		231.0	42.3	10.40	46.0	12.33	50.0	14.38	54.3	16.18	56.0	16.60	58.1	17.03	59.8	17.36
		288.8	42.3	10.10	46.0	12.07	50.0	14.07	54.3	15.85	56.0	16.28	58.1	16.69	59.8	16.98
		346.5	42.3	9.95	46.0	11.95	50.0	13.90	54.3	15.69	56.0	16.12	58.1	16.52	59.8	16.79
120	10	92.4	59.1	4.14	64.0	4.82	69.8	5.59	75.8	6.31	78.0	6.47	81.1	6.63	83.3	6.74
		115.5	59.1	4.06	64.0	4.74	69.8	5.51	75.8	6.21	78.0	6.36	81.1	6.52	83.3	6.63
		231.0	59.1	3.71	64.0	4.43	69.8	5.17	75.8	5.79	78.0	5.93	81.1	6.09	83.3	6.23
		288.8	59.1	3.61	64.0	4.30	69.8	5.04	75.8	5.68	78.0	5.83	81.1	5.99	83.3	6.09
		346.5	59.1	3.56	64.0	4.24	69.8	4.98	75.8	5.62	78.0	5.78	81.1	5.94	83.3	6.02
	15	92.4	58.5	5.49	63.3	6.38	68.9	7.42	74.9	8.36	77.1	8.56	80.2	8.76	82.4	8.92
		115.5	58.5	5.38	63.3	6.27	68.9	7.30	74.9	8.23	77.1	8.42	80.2	8.63	82.4	8.78
		231.0	58.5	4.94	63.3	5.86	68.9	6.83	74.9	7.69	77.1	7.88	80.2	8.08	82.4	8.24
		288.8	58.5	4.80	63.3	5.72	68.9	6.69	74.9	7.53	77.1	7.73	80.2	7.93	82.4	8.05
		346.5	58.5	4.73	63.3	5.66	68.9	6.62	74.9	7.46	77.1	7.66	80.2	7.86	82.4	7.96
	20	92.4	57.8	6.68	62.6	7.77	68.2	9.05	74.2	10.19	76.4	10.42	79.4	10.67	81.6	10.86
		115.5	57.8	6.55	62.6	7.64	68.2	8.90	74.2	10.02	76.4	10.26	79.4	10.51	81.6	10.70
		231.0	57.8	6.02	62.6	7.14	68.2	8.31	74.2	9.37	76.4	9.60	79.4	9.85	81.6	10.03
		288.8	57.8	5.86	62.6	6.99	68.2	8.15	74.2	9.19	76.4	9.42	79.4	9.65	81.6	9.80
		346.5	57.8	5.79	62.6	6.93	68.2	8.08	74.2	9.09	76.4	9.33	79.4	9.56	81.6	9.69
	25	92.4	57.8	8.22	62.6	9.55	68.2	11.12	74.2	12.51	76.4	12.81	79.4	13.12	81.6	13.36
		115.5	57.8	8.05	62.6	9.39	68.2	10.94	74.2	12.31	76.4	12.60	79.4	12.92	81.6	13.15
		231.0	57.8	7.41	62.6	8.77	68.2	10.23	74.2	11.52	76.4	11.79	79.4	12.10	81.6	12.34
		288.8	57.8	7.21	62.6	8.59	68.2	10.02	74.2	11.28	76.4	11.57	79.4	11.87	81.6	12.05
		346.5	57.8	7.09	62.6	8.50	68.2	9.91	74.2	11.17	76.4	11.46	79.4	11.76	81.6	11.91
	30	92.4	57.8	9.92	62.6	11.55	68.2	13.45	74.2	15.13	76.4	15.50	79.4	15.87	81.6	16.15
		115.5	57.8	9.73	62.6	11.36	68.2	13.23	74.2	14.88	76.4	15.25	79.4	15.62	81.6	15.90
		231.0	57.8	8.96	62.6	10.61	68.2	12.35	74.2	13.93	76.4	14.27	79.4	14.63	81.6	14.92
		288.8	57.8	8.70	62.6	10.39	68.2	12.10	74.2	13.65	76.4	14.00	79.4	14.35	81.6	14.58
		346.5	57.8	8.58	62.6	10.27	68.2	11.98	74.2	13.51	76.4	13.86	79.4	14.22	81.6	14.40
	35	92.4	52.9	10.18	57.3	11.83	62.4	13.77	67.9	15.52	69.9	15.88	72.6	16.27	74.7	16.55
		115.5	52.9	9.98	57.3	11.64	62.4	13.55	67.9	15.27	69.9	15.63	72.6	16.01	74.7	16.30
		231.0	52.9	9.17	57.3	10.87	62.4	12.67	67.9	14.27	69.9	14.61	72.6	15.01	74.7	15.29
		288.8	52.9	8.92	57.3	10.65	62.4	12.42	67.9	13.99	69.9	14.34	72.6	14.71	74.7	14.93
		346.5	52.9	8.79	57.3	10.53	62.4	12.29	67.9	13.85	69.9	14.21	72.6	14.56	74.7	14.75
	40	92.4	48.0	10.96	52.0	12.72	56.6	14.83	61.6	16.69	63.4	17.09	65.8	17.51	67.7	17.82
		115.5	48.0	10.74	52.0	12.52	56.6	14.59	61.6	16.42	63.4	16.82	65.8	17.23	67.7	17.55
		231.0	48.0	9.88	52.0	11.71	56.6	13.64	61.6	15.35	63.4	15.73	65.8	16.14	67.7	16.46
		288.8	48.0	9.60	52.0	11.46	56.6	13.36	61.6	15.06	63.4	15.44	65.8	15.84	67.7	16.08
		346.5	48.0	9.46	52.0	11.33	56.6	13.22	61.6	14.91	63.4	15.30	65.8	15.69	67.7	15.88

7. Capacity tables

Cooling Capacity (24 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	45	92.4	43.2	11.74	46.6	13.62	50.9	15.89	55.3	17.87	56.9	18.30	59.1	18.75	60.7	19.08
		115.5	43.2	11.51	46.6	13.40	50.9	15.63	55.3	17.58	56.9	18.00	59.1	18.45	60.7	18.79
		231.0	43.2	10.58	46.6	12.55	50.9	14.61	55.3	16.44	56.9	16.85	59.1	17.29	60.7	17.62
		288.8	43.2	10.28	46.6	12.27	50.9	14.31	55.3	16.12	56.9	16.54	59.1	16.97	60.7	17.21
		346.5	43.2	10.12	46.6	12.12	50.9	14.16	55.3	15.97	56.9	16.39	59.1	16.81	60.7	17.00
110	10	92.4	55.8	3.91	60.4	4.53	65.8	5.29	71.5	5.94	73.5	6.09	76.5	6.24	78.6	6.36
		115.5	55.8	3.83	60.4	4.45	65.8	5.20	71.5	5.84	73.5	6.00	76.5	6.15	78.6	6.26
		231.0	55.8	3.51	60.4	4.17	65.8	4.86	71.5	5.46	73.5	5.63	76.5	5.76	78.6	5.86
		288.8	55.8	3.42	60.4	4.08	65.8	4.74	71.5	5.38	73.5	5.49	76.5	5.65	78.6	5.71
		346.5	55.8	3.37	60.4	4.04	65.8	4.69	71.5	5.34	73.5	5.43	76.5	5.59	78.6	5.63
	15	92.4	55.4	5.23	60.0	6.07	65.3	7.08	71.1	7.98	73.2	8.16	76.0	8.37	78.2	8.52
		115.5	55.4	5.13	60.0	5.98	65.3	6.96	71.1	7.85	73.2	8.03	76.0	8.23	78.2	8.39
		231.0	55.4	4.71	60.0	5.59	65.3	6.52	71.1	7.34	73.2	7.52	76.0	7.72	78.2	7.86
		288.8	55.4	4.59	60.0	5.47	65.3	6.38	71.1	7.21	73.2	7.37	76.0	7.57	78.2	7.66
		346.5	55.4	4.53	60.0	5.42	65.3	6.30	71.1	7.14	73.2	7.30	76.0	7.49	78.2	7.56
	20	92.4	55.1	6.41	59.7	7.46	65.0	8.68	70.7	9.78	72.8	10.02	75.6	10.26	77.8	10.44
		115.5	55.1	6.28	59.7	7.34	65.0	8.54	70.7	9.63	72.8	9.85	75.6	10.09	77.8	10.27
		231.0	55.1	5.78	59.7	6.86	65.0	7.99	70.7	8.99	72.8	9.22	75.6	9.45	77.8	9.63
		288.8	55.1	5.63	59.7	6.71	65.0	7.82	70.7	8.82	72.8	9.04	75.6	9.27	77.8	9.39
		346.5	55.1	5.55	59.7	6.65	65.0	7.74	70.7	8.73	72.8	8.96	75.6	9.19	77.8	9.27
	25	92.4	55.1	7.85	59.7	9.12	65.0	10.63	70.7	11.97	72.8	12.25	75.6	12.55	77.8	12.78
		115.5	55.1	7.70	59.7	8.98	65.0	10.46	70.7	11.79	72.8	12.05	75.6	12.35	77.8	12.58
		231.0	55.1	7.08	59.7	8.40	65.0	9.78	70.7	11.02	72.8	11.28	75.6	11.57	77.8	11.79
		288.8	55.1	6.89	59.7	8.22	65.0	9.58	70.7	10.80	72.8	11.06	75.6	11.36	77.8	11.50
		346.5	55.1	6.79	59.7	8.13	65.0	9.48	70.7	10.69	72.8	10.95	75.6	11.25	77.8	11.35
	30	92.4	55.1	9.57	59.7	11.13	65.0	12.96	70.7	14.60	72.8	14.94	75.6	15.30	77.8	15.58
		115.5	55.1	9.38	59.7	10.95	65.0	12.75	70.7	14.35	72.8	14.71	75.6	15.06	77.8	15.34
		231.0	55.1	8.63	59.7	10.24	65.0	11.92	70.7	13.42	72.8	13.76	75.6	14.10	77.8	14.36
		288.8	55.1	8.40	59.7	10.02	65.0	11.68	70.7	13.16	72.8	13.49	75.6	13.83	77.8	14.02
		346.5	55.1	8.28	59.7	9.91	65.0	11.56	70.7	13.03	72.8	13.35	75.6	13.70	77.8	13.84
	35	92.4	51.4	9.95	55.6	11.57	60.6	13.47	65.8	15.18	67.9	15.54	70.5	15.91	72.4	16.20
		115.5	51.4	9.76	55.6	11.38	60.6	13.26	65.8	14.93	67.9	15.29	70.5	15.66	72.4	15.95
		231.0	51.4	8.98	55.6	10.64	60.6	12.40	65.8	13.96	67.9	14.30	70.5	14.66	72.4	14.94
		288.8	51.4	8.73	55.6	10.42	60.6	12.14	65.8	13.68	67.9	14.04	70.5	14.38	72.4	14.58
		346.5	51.4	8.61	55.6	10.30	60.6	12.01	65.8	13.54	67.9	13.91	70.5	14.25	72.4	14.39
	40	92.4	47.6	10.94	51.6	12.72	56.1	14.80	61.0	16.66	62.9	17.07	65.3	17.48	67.1	17.80
		115.5	47.6	10.72	51.6	12.51	56.1	14.57	61.0	16.39	62.9	16.79	65.3	17.20	67.1	17.52
		231.0	47.6	9.86	51.6	11.69	56.1	13.62	61.0	15.34	62.9	15.70	65.3	16.11	67.1	16.41
		288.8	47.6	9.58	51.6	11.44	56.1	13.34	61.0	15.03	62.9	15.42	65.3	15.82	67.1	16.00
		346.5	47.6	9.44	51.6	11.31	56.1	13.21	61.0	14.88	62.9	15.28	65.3	15.66	67.1	15.80
	45	92.4	43.8	11.92	47.5	13.85	51.7	16.14	56.2	18.15	57.9	18.60	60.2	19.05	61.8	19.40
		115.5	43.8	11.68	47.5	13.63	51.7	15.87	56.2	17.86	57.9	18.30	60.2	18.75	61.8	19.09
		231.0	43.8	10.74	47.5	12.74	51.7	14.84	56.2	16.71	57.9	17.12	60.2	17.58	61.8	17.88
		288.8	43.8	10.44	47.5	12.46	51.7	14.55	56.2	16.37	57.9	16.80	60.2	17.24	61.8	17.43
		346.5	43.8	10.28	47.5	12.32	51.7	14.40	56.2	16.21	57.9	16.65	60.2	17.08	61.8	17.20
100	10	92.4	52.4	3.69	56.7	4.29	61.9	4.97	67.2	5.62	69.2	5.73	71.9	5.90	73.9	5.98
		115.5	52.4	3.62	56.7	4.21	61.9	4.88	67.2	5.53	69.2	5.64	71.9	5.79	73.9	5.89
		231.0	52.4	3.32	56.7	3.94	61.9	4.57	67.2	5.17	69.2	5.28	71.9	5.40	73.9	5.51
		288.8	52.4	3.21	56.7	3.84	61.9	4.49	67.2	5.05	69.2	5.19	71.9	5.30	73.9	5.36
		346.5	52.4	3.16	56.7	3.79	61.9	4.44	67.2	4.99	69.2	5.13	71.9	5.25	73.9	5.27
	15	92.4	52.4	5.00	56.7	5.79	61.9	6.74	67.2	7.60	69.2	7.78	71.9	7.98	73.9	8.12
		115.5	52.4	4.90	56.7	5.71	61.9	6.64	67.2	7.47	69.2	7.65	71.9	7.85	73.9	7.98
		231.0	52.4	4.50	56.7	5.33	61.9	6.21	67.2	6.99	69.2	7.16	71.9	7.34	73.9	7.47
		288.8	52.4	4.37	56.7	5.21	61.9	6.08	67.2	6.85	69.2	7.02	71.9	7.21	73.9	7.27
		346.5	52.4	4.30	56.7	5.16	61.9	6.01	67.2	6.78	69.2	6.96	71.9	7.14	73.9	7.17
	20	92.4	52.4	6.15	56.7	7.14	61.9	8.32	67.2	9.37	69.2	9.59	71.9	9.83	73.9	10.00
		115.5	52.4	6.02	56.7	7.02	61.9	8.19	67.2	9.22	69.2	9.44	71.9	9.67	73.9	9.84
		231.0	52.4	5.54	56.7	6.57	61.9	7.66	67.2	8.62	69.2	8.82	71.9	9.05	73.9	9.22
		288.8	52.4	5.39	56.7	6.44	61.9	7.49	67.2	8.45	69.2	8.66	71.9	8.89	73.9	8.98
		346.5	52.4	5.32	56.7	6.37	61.9	7.41	67.2	8.36	69.2	8.57	71.9	8.81	73.9	8.86
	25	92.4	52.4	7.49	56.7	8.71	61.9	10.15	67.2	11.43	69.2	11.70	71.9	11.99	73.9	12.20
		115.5	52.4	7.34	56.7	8.56	61.9	9.99	67.2	11.25	69.2	11.52	71.9	11.79	73.9	12.01
		231.0	52.4	6.76	56.7	8.01	61.9	9.33	67.2	10.51	69.2	10.77	71.9	11.03	73.9	11.25
		288.8	52.4	6.57	56.7	7.85	61.9	9.14	67.2	10.30	69.2	10.56	71.9	10.83	73.9	10.95
		346.5	52.4	6.47	56.7	7.77	61.9	9.04	67.2	10.19	69.2	10.45	71.9	10.72	73.9	10.80
	30	92.4	52.4	9.22	56.7	10.72	61.9	12.49	67.2	14.05	69.2	14.39	71.9	14.74	73.9	15.01
		115.5	52.4	9.03	56.7	10.55	61.9	12.29	67.2	13.82	69.2	14.16	71.9	14.50	73.9	14.77
		231.0	52.4	8.31	56.7	9.86	61.9	11.48	67.2	12.93	69.2	13.24	71.9	13.57	73.9	13.82
		288.8	52.4	8.08	56.7	9.65	61.9	11.25	67.2	12.68	69.2	13.00	71.9	13.32	73.9	13.46
		346.5	52.4	7.97	56.7	9.55	61.9	11.12	67.2	12.55	69.2	12.87	71.9	13.20	73.9	13.28
	35	92.4	49.8	9.73	54.0	11.30	58.8	13.17	63.8	14.83	65.8	15.19	68.4	15.55	70.3	15.84
		115.5	49.8	9.53	54.0	11.12	58.8	12.96	63.8	14.59	65.8	14.94	68.4	15.31	70.3	15.59
		231.0	49.8	8.77	54.0	10.41	58.8	12.12	63.8	13.65	65.8	13.97	68.4	14.33	70.3	14.59
		288.8	49.8	8.54	54.0	10.18	58.8	11.87	63.8	13.39	65.8	13.71	68.4	14.07	70.3	14.21
		346.5	49.8	8.43	54.0	10.07	58.8	11.74	63.8	13.26	65.8	13.58	68.4	13.93	70.3	14.01
	40	92.4	47.1	10.92	51.1	12.70	55.6	14.79	60.5	16.65	62.3	17.04	64.8	17.45	66.5	17.76
		115.5	47.1	10.71	51.1	12.49	55.6	14.55	60.5	16.37	62.3	16.77	64.8	17.17	66.5	17.48
		231.0	47.1	9.84	51.1	11.67	55.6	13.59	60.5	15.31	62.3	15.68	64.8	16.08	66.5	16.36
		288.8	47.1	9.57	51.1	11.42	55.6	13.31	60.5	15.02	62.3	15.38	64.8	15.78	66.5	15.94
		346.5	47.1	9.44	51.1	11.30	55.6	13.18	60.5	14.87	62.3	15.23	64.8	15.63	66.5	15.72

7. Capacity tables

Cooling Capacity (24 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	45	92.4	44.5	12.11	48.2	14.08	52.5	16.41	57.1	18.47	58.8	18.89	61.2	19.35	62.9	19.69
		115.5	44.5	11.87	48.2	13.85	52.5	16.13	57.1	18.16	58.8	18.59	61.2	19.05	62.9	19.38
		231.0	44.5	10.91	48.2	12.94	52.5	15.07	57.1	16.97	58.8	17.38	61.2	17.82	62.9	18.14
		288.8	44.5	10.60	48.2	12.66	52.5	14.76	57.1	16.63	58.8	17.05	61.2	17.49	62.9	17.67
		346.5	44.5	10.46	48.2	12.53	52.5	14.61	57.1	16.48	58.8	16.89	61.2	17.33	62.9	17.44
90	10	92.4	47.1	3.16	51.1	3.67	55.6	4.27	60.5	4.83	62.3	4.92	64.8	5.02	66.5	5.17
		115.5	47.1	3.09	51.1	3.61	55.6	4.20	60.5	4.75	62.3	4.85	64.8	4.96	66.5	5.08
		231.0	47.1	2.85	51.1	3.39	55.6	3.95	60.5	4.44	62.3	4.54	64.8	4.68	66.5	4.75
		288.8	47.1	2.77	51.1	3.29	55.6	3.86	60.5	4.33	62.3	4.46	64.8	4.59	66.5	4.60
		346.5	47.1	2.74	51.1	3.24	55.6	3.82	60.5	4.28	62.3	4.41	64.8	4.54	66.5	4.53
	15	92.4	47.1	4.29	51.1	4.99	55.6	5.80	60.5	6.55	62.3	6.69	64.8	6.85	66.5	6.99
		115.5	47.1	4.20	51.1	4.91	55.6	5.72	60.5	6.44	62.3	6.58	64.8	6.74	66.5	6.88
		231.0	47.1	3.87	51.1	4.59	55.6	5.34	60.5	6.01	62.3	6.16	64.8	6.32	66.5	6.44
		288.8	47.1	3.76	51.1	4.48	55.6	5.23	60.5	5.89	62.3	6.04	64.8	6.21	66.5	6.26
		346.5	47.1	3.71	51.1	4.43	55.6	5.18	60.5	5.83	62.3	5.99	64.8	6.14	66.5	6.17
	20	92.4	47.1	5.30	51.1	6.15	55.6	7.17	60.5	8.07	62.3	8.26	64.8	8.47	66.5	8.61
		115.5	47.1	5.19	51.1	6.05	55.6	7.05	60.5	7.94	62.3	8.13	64.8	8.33	66.5	8.48
		231.0	47.1	4.78	51.1	5.66	55.6	6.58	60.5	7.42	62.3	7.60	64.8	7.78	66.5	7.94
		288.8	47.1	4.65	51.1	5.54	55.6	6.46	60.5	7.27	62.3	7.46	64.8	7.64	66.5	7.73
		346.5	47.1	4.58	51.1	5.48	55.6	6.39	60.5	7.21	62.3	7.38	64.8	7.57	66.5	7.62
	25	92.4	47.1	6.45	51.1	7.51	55.6	8.74	60.5	9.84	62.3	10.06	64.8	10.32	66.5	10.50
		115.5	47.1	6.32	51.1	7.38	55.6	8.59	60.5	9.68	62.3	9.90	64.8	10.16	66.5	10.33
		231.0	47.1	5.82	51.1	6.90	55.6	8.03	60.5	9.05	62.3	9.26	64.8	9.50	66.5	9.67
		288.8	47.1	5.66	51.1	6.74	55.6	7.88	60.5	8.87	62.3	9.09	64.8	9.33	66.5	9.42
		346.5	47.1	5.57	51.1	6.66	55.6	7.80	60.5	8.78	62.3	9.01	64.8	9.24	66.5	9.30
	30	92.4	47.1	7.94	51.1	9.23	55.6	10.74	60.5	12.11	62.3	12.38	64.8	12.70	66.5	12.92
		115.5	47.1	7.77	51.1	9.08	55.6	10.57	60.5	11.91	62.3	12.19	64.8	12.49	66.5	12.72
		231.0	47.1	7.16	51.1	8.48	55.6	9.89	60.5	11.12	62.3	11.40	64.8	11.68	66.5	11.90
		288.8	47.1	6.96	51.1	8.30	55.6	9.68	60.5	10.92	62.3	11.18	64.8	11.48	66.5	11.58
		346.5	47.1	6.86	51.1	8.22	55.6	9.58	60.5	10.82	62.3	11.06	64.8	11.38	66.5	11.42
	35	92.4	45.9	8.57	49.7	9.95	54.1	11.59	58.8	13.05	60.5	13.36	62.9	13.68	64.6	13.93
		115.5	45.9	8.40	49.7	9.78	54.1	11.40	58.8	12.84	60.5	13.14	62.9	13.47	64.6	13.71
		231.0	45.9	7.72	49.7	9.15	54.1	10.67	58.8	12.01	60.5	12.30	62.9	12.60	64.6	12.84
		288.8	45.9	7.50	49.7	8.96	54.1	10.44	58.8	11.78	60.5	12.06	62.9	12.37	64.6	12.50
		346.5	45.9	7.40	49.7	8.87	54.1	10.33	58.8	11.66	60.5	11.95	62.9	12.26	64.6	12.33
	40	92.4	44.6	9.84	48.2	11.43	52.6	13.32	57.1	14.99	58.8	15.35	61.2	15.72	62.8	16.00
		115.5	44.6	9.64	48.2	11.25	52.6	13.10	57.1	14.75	58.8	15.10	61.2	15.47	62.8	15.75
		231.0	44.6	8.87	48.2	10.52	52.6	12.26	57.1	13.80	58.8	14.12	61.2	14.48	62.8	14.75
		288.8	44.6	8.62	48.2	10.29	52.6	12.01	57.1	13.53	58.8	13.85	61.2	14.22	62.8	14.35
		346.5	44.6	8.49	48.2	10.18	52.6	11.88	57.1	13.39	58.8	13.72	61.2	14.08	62.8	14.16
	45	92.4	43.2	11.11	46.8	12.90	51.1	15.04	55.4	16.94	57.1	17.33	59.3	17.75	61.0	18.07
		115.5	43.2	10.89	46.8	12.70	51.1	14.80	55.4	16.66	57.1	17.06	59.3	17.47	61.0	17.79
		231.0	43.2	10.02	46.8	11.88	51.1	13.84	55.4	15.58	57.1	15.96	59.3	16.36	61.0	16.66
		288.8	43.2	9.74	46.8	11.62	51.1	13.56	55.4	15.28	57.1	15.64	59.3	16.06	61.0	16.22
		346.5	43.2	9.59	46.8	11.49	51.1	13.43	55.4	15.12	57.1	15.48	59.3	15.90	61.0	15.99
80	10	92.4	42.0	2.67	45.4	3.07	49.5	3.58	53.8	4.05	55.4	4.13	57.6	4.24	59.1	4.30
		115.5	42.0	2.61	45.4	3.03	49.5	3.52	53.8	3.98	55.4	4.07	57.6	4.17	59.1	4.23
		231.0	42.0	2.40	45.4	2.85	49.5	3.31	53.8	3.71	55.4	3.81	57.6	3.89	59.1	3.97
		288.8	42.0	2.34	45.4	2.77	49.5	3.25	53.8	3.65	55.4	3.73	57.6	3.83	59.1	3.86
		346.5	42.0	2.31	45.4	2.73	49.5	3.22	53.8	3.62	55.4	3.70	57.6	3.81	59.1	3.80
	15	92.4	42.0	3.60	45.4	4.18	49.5	4.86	53.8	5.48	55.4	5.62	57.6	5.75	59.1	5.85
		115.5	42.0	3.53	45.4	4.11	49.5	4.78	53.8	5.40	55.4	5.52	57.6	5.66	59.1	5.75
		231.0	42.0	3.24	45.4	3.85	49.5	4.48	53.8	5.04	55.4	5.17	57.6	5.29	59.1	5.39
		288.8	42.0	3.17	45.4	3.76	49.5	4.39	53.8	4.95	55.4	5.06	57.6	5.20	59.1	5.24
		346.5	42.0	3.12	45.4	3.71	49.5	4.35	53.8	4.91	55.4	5.02	57.6	5.16	59.1	5.18
	20	92.4	42.0	4.43	45.4	5.15	49.5	6.01	53.8	6.76	55.4	6.92	57.6	7.09	59.1	7.23
		115.5	42.0	4.35	45.4	5.07	49.5	5.91	53.8	6.66	55.4	6.81	57.6	6.97	59.1	7.11
		231.0	42.0	3.99	45.4	4.74	49.5	5.52	53.8	6.22	55.4	6.37	57.6	6.53	59.1	6.66
		288.8	42.0	3.89	45.4	4.65	49.5	5.41	53.8	6.10	55.4	6.25	57.6	6.41	59.1	6.48
		346.5	42.0	3.83	45.4	4.59	49.5	5.34	53.8	6.04	55.4	6.19	57.6	6.34	59.1	6.39
	25	92.4	42.0	5.41	45.4	6.29	49.5	7.32	53.8	8.24	55.4	8.44	57.6	8.65	59.1	8.80
		115.5	42.0	5.31	45.4	6.19	49.5	7.21	53.8	8.11	55.4	8.30	57.6	8.51	59.1	8.67
		231.0	42.0	4.88	45.4	5.78	49.5	6.73	53.8	7.59	55.4	7.76	57.6	7.97	59.1	8.11
		288.8	42.0	4.74	45.4	5.66	49.5	6.60	53.8	7.44	55.4	7.62	57.6	7.82	59.1	7.89
		346.5	42.0	4.68	45.4	5.59	49.5	6.53	53.8	7.35	55.4	7.55	57.6	7.75	59.1	7.79
	30	92.4	42.0	6.65	45.4	7.73	49.5	9.01	53.8	10.14	55.4	10.37	57.6	10.62	59.1	10.83
		115.5	42.0	6.52	45.4	7.60	49.5	8.86	53.8	9.98	55.4	10.21	57.6	10.46	59.1	10.66
		231.0	42.0	5.99	45.4	7.11	49.5	8.28	53.8	9.33	55.4	9.55	57.6	9.79	59.1	9.98
		288.8	42.0	5.84	45.4	6.96	49.5	8.11	53.8	9.15	55.4	9.37	57.6	9.61	59.1	9.72
		346.5	42.0	5.76	45.4	6.88	49.5	8.01	53.8	9.06	55.4	9.28	57.6	9.51	59.1	9.59
	35	92.4	42.0	7.39	45.4	8.59	49.5	10.00	53.8	11.27	55.4	11.55	57.6	11.83	59.1	12.04
		115.5	42.0	7.24	45.4	8.45	49.5	9.84	53.8	11.09	55.4	11.36	57.6	11.64	59.1	11.84
		231.0	42.0	6.67	45.4	7.90	49.5	9.22	53.8	10.37	55.4	10.61	57.6	10.88	59.1	11.08
		288.8	42.0	6.48	45.4	7.73	49.5	9.02	53.8	10.17	55.4	10.42	57.6	10.69	59.1	10.78
		346.5	42.0	6.39	45.4	7.64	49.5	8.93	53.8	10.06	55.4	10.32	57.6	10.58	59.1	10.64
	40	92.4	42.0	8.76	45.4	10.18	49.5	11.86	53.8	13.36	55.4	13.67	57.6	14.00	59.1	14.25
		115.5	42.0	8.58	45.4	10.01	49.5	11.66	53.8	13.13	55.4	13.44	57.6	13.78	59.1	14.02
		231.0	42.0	7.89	45.4	9.36	49.5	10.90	53.8	12.29	55.4	12.56	57.6	12.88	59.1	13.12
		288.8	42.0	7.67	45.4	9.16	49.5	10.68	53.8	12.04	55.4	12.32	57.6	12.65	59.1	12.78
		346.5	42.0	7.55	45.4	9.06	49.5	10.56	53.8	11.91	55.4	12.21	57.6	12.54	59.1	12.61

7. Capacity tables

Cooling Capacity (24 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	92.4	42.0	10.13	45.4	11.77	49.5	13.72	53.8	15.43	55.4	15.78	57.6	16.16	59.1	16.45
		115.5	42.0	9.92	45.4	11.57	49.5	13.49	53.8	15.18	55.4	15.53	57.6	15.91	59.1	16.19
		231.0	42.0	9.11	45.4	10.81	49.5	12.59	53.8	14.20	55.4	14.51	57.6	14.88	59.1	15.15
		288.8	42.0	8.85	45.4	10.58	49.5	12.32	53.8	13.90	55.4	14.24	57.6	14.61	59.1	14.77
		346.5	42.0	8.73	45.4	10.47	49.5	12.20	53.8	13.75	55.4	14.11	57.6	14.48	59.1	14.58
70	10	92.4	36.7	2.19	39.8	2.57	43.2	2.98	47.0	3.35	48.5	3.44	50.4	3.53	51.7	3.58
		115.5	36.7	2.15	39.8	2.52	43.2	2.92	47.0	3.30	48.5	3.39	50.4	3.47	51.7	3.52
		231.0	36.7	1.99	39.8	2.36	43.2	2.72	47.0	3.09	48.5	3.17	50.4	3.26	51.7	3.31
		288.8	36.7	1.93	39.8	2.30	43.2	2.69	47.0	3.03	48.5	3.10	50.4	3.18	51.7	3.22
		346.5	36.7	1.91	39.8	2.26	43.2	2.67	47.0	3.00	48.5	3.07	50.4	3.14	51.7	3.18
	15	92.4	36.7	2.99	39.8	3.48	43.2	4.04	47.0	4.55	48.5	4.66	50.4	4.78	51.7	4.86
		115.5	36.7	2.92	39.8	3.43	43.2	3.97	47.0	4.48	48.5	4.59	50.4	4.70	51.7	4.78
		231.0	36.7	2.69	39.8	3.19	43.2	3.71	47.0	4.19	48.5	4.29	50.4	4.41	51.7	4.48
		288.8	36.7	2.63	39.8	3.13	43.2	3.65	47.0	4.11	48.5	4.21	50.4	4.32	51.7	4.37
		346.5	36.7	2.58	39.8	3.09	43.2	3.61	47.0	4.07	48.5	4.17	50.4	4.27	51.7	4.30
	20	92.4	36.7	3.70	39.8	4.29	43.2	4.99	47.0	5.62	48.5	5.75	50.4	5.90	51.7	6.01
		115.5	36.7	3.62	39.8	4.22	43.2	4.92	47.0	5.53	48.5	5.66	50.4	5.80	51.7	5.91
		231.0	36.7	3.32	39.8	3.94	43.2	4.60	47.0	5.18	48.5	5.29	50.4	5.44	51.7	5.52
		288.8	36.7	3.23	39.8	3.86	43.2	4.50	47.0	5.07	48.5	5.20	50.4	5.33	51.7	5.38
		346.5	36.7	3.18	39.8	3.82	43.2	4.45	47.0	5.02	48.5	5.16	50.4	5.28	51.7	5.31
	25	92.4	36.7	4.50	39.8	5.23	43.2	6.09	47.0	6.86	48.5	7.02	50.4	7.18	51.7	7.32
		115.5	36.7	4.41	39.8	5.15	43.2	5.98	47.0	6.74	48.5	6.91	50.4	7.07	51.7	7.21
		231.0	36.7	4.06	39.8	4.80	43.2	5.60	47.0	6.30	48.5	6.46	50.4	6.63	51.7	6.74
		288.8	36.7	3.94	39.8	4.70	43.2	5.48	47.0	6.19	48.5	6.33	50.4	6.49	51.7	6.56
		346.5	36.7	3.88	39.8	4.66	43.2	5.43	47.0	6.13	48.5	6.26	50.4	6.43	51.7	6.47
	30	92.4	36.7	5.53	39.8	6.42	43.2	7.49	47.0	8.44	48.5	8.63	50.4	8.84	51.7	9.01
		115.5	36.7	5.43	39.8	6.32	43.2	7.36	47.0	8.29	48.5	8.49	50.4	8.70	51.7	8.86
		231.0	36.7	4.98	39.8	5.91	43.2	6.89	47.0	7.75	48.5	7.95	50.4	8.15	51.7	8.28
		288.8	36.7	4.85	39.8	5.79	43.2	6.74	47.0	7.60	48.5	7.79	50.4	7.99	51.7	8.08
		346.5	36.7	4.78	39.8	5.73	43.2	6.67	47.0	7.53	48.5	7.71	50.4	7.91	51.7	7.98
	35	92.4	36.7	6.15	39.8	7.14	43.2	8.32	47.0	9.37	48.5	9.59	50.4	9.83	51.7	10.00
		115.5	36.7	6.02	39.8	7.02	43.2	8.19	47.0	9.22	48.5	9.44	50.4	9.67	51.7	9.84
		231.0	36.7	5.54	39.8	6.57	43.2	7.65	47.0	8.62	48.5	8.82	50.4	9.05	51.7	9.22
		288.8	36.7	5.39	39.8	6.43	43.2	7.49	47.0	8.45	48.5	8.66	50.4	8.88	51.7	8.98
		346.5	36.7	5.32	39.8	6.35	43.2	7.42	47.0	8.36	48.5	8.57	50.4	8.80	51.7	8.86
	40	92.4	36.7	7.29	39.8	8.44	43.2	9.86	47.0	11.10	48.5	11.36	50.4	11.63	51.7	11.84
		115.5	36.7	7.14	39.8	8.31	43.2	9.70	47.0	10.92	48.5	11.18	50.4	11.45	51.7	11.65
		231.0	36.7	6.56	39.8	7.78	43.2	9.07	47.0	10.21	48.5	10.45	50.4	10.71	51.7	10.92
		288.8	36.7	6.38	39.8	7.61	43.2	8.87	47.0	10.01	48.5	10.26	50.4	10.52	51.7	10.62
		346.5	36.7	6.28	39.8	7.53	43.2	8.77	47.0	9.90	48.5	10.15	50.4	10.43	51.7	10.47
	45	92.4	36.7	8.42	39.8	9.76	43.2	11.39	47.0	12.83	48.5	13.13	50.4	13.44	51.7	13.68
		115.5	36.7	8.25	39.8	9.61	43.2	11.21	47.0	12.62	48.5	12.92	50.4	13.23	51.7	13.47
		231.0	36.7	7.59	39.8	9.00	43.2	10.49	47.0	11.79	48.5	12.07	50.4	12.37	51.7	12.62
		288.8	36.7	7.36	39.8	8.80	43.2	10.25	47.0	11.55	48.5	11.85	50.4	12.17	51.7	12.27
		346.5	36.7	7.25	39.8	8.70	43.2	10.12	47.0	11.43	48.5	11.74	50.4	12.06	51.7	12.08
60	10	92.4	31.4	1.76	34.1	2.03	37.0	2.37	40.3	2.68	41.5	2.75	43.2	2.80	44.4	2.87
		115.5	31.4	1.72	34.1	2.00	37.0	2.33	40.3	2.63	41.5	2.71	43.2	2.75	44.4	2.82
		231.0	31.4	1.58	34.1	1.86	37.0	2.20	40.3	2.45	41.5	2.52	43.2	2.59	44.4	2.63
		288.8	31.4	1.52	34.1	1.85	37.0	2.15	40.3	2.42	41.5	2.48	43.2	2.53	44.4	2.57
		346.5	31.4	1.50	34.1	1.84	37.0	2.13	40.3	2.40	41.5	2.46	43.2	2.50	44.4	2.54
	15	92.4	31.4	2.39	34.1	2.77	37.0	3.22	40.3	3.63	41.5	3.72	43.2	3.81	44.4	3.87
		115.5	31.4	2.34	34.1	2.72	37.0	3.17	40.3	3.57	41.5	3.67	43.2	3.74	44.4	3.82
		231.0	31.4	2.15	34.1	2.54	37.0	2.97	40.3	3.34	41.5	3.43	43.2	3.51	44.4	3.57
		288.8	31.4	2.09	34.1	2.49	37.0	2.91	40.3	3.28	41.5	3.36	43.2	3.43	44.4	3.48
		346.5	31.4	2.05	34.1	2.47	37.0	2.88	40.3	3.25	41.5	3.32	43.2	3.40	44.4	3.43
	20	92.4	31.4	2.94	34.1	3.42	37.0	3.98	40.3	4.48	41.5	4.59	43.2	4.70	44.4	4.78
		115.5	31.4	2.89	34.1	3.37	37.0	3.92	40.3	4.41	41.5	4.52	43.2	4.63	44.4	4.70
		231.0	31.4	2.65	34.1	3.15	37.0	3.67	40.3	4.13	41.5	4.22	43.2	4.33	44.4	4.41
		288.8	31.4	2.58	34.1	3.07	37.0	3.58	40.3	4.04	41.5	4.14	43.2	4.24	44.4	4.29
		346.5	31.4	2.54	34.1	3.04	37.0	3.54	40.3	3.99	41.5	4.10	43.2	4.21	44.4	4.24
	25	92.4	31.4	3.58	34.1	4.18	37.0	4.85	40.3	5.46	41.5	5.60	43.2	5.73	44.4	5.84
		115.5	31.4	3.51	34.1	4.11	37.0	4.78	40.3	5.38	41.5	5.50	43.2	5.64	44.4	5.74
		231.0	31.4	3.23	34.1	3.84	37.0	4.46	40.3	5.03	41.5	5.15	43.2	5.28	44.4	5.38
		288.8	31.4	3.15	34.1	3.74	37.0	4.37	40.3	4.92	41.5	5.05	43.2	5.18	44.4	5.23
		346.5	31.4	3.10	34.1	3.70	37.0	4.33	40.3	4.86	41.5	5.01	43.2	5.13	44.4	5.17
	30	92.4	31.4	4.40	34.1	5.12	37.0	5.97	40.3	6.71	41.5	6.88	43.2	7.04	44.4	7.19
		115.5	31.4	4.32	34.1	5.04	37.0	5.87	40.3	6.61	41.5	6.77	43.2	6.94	44.4	7.07
		231.0	31.4	3.97	34.1	4.71	37.0	5.49	40.3	6.19	41.5	6.33	43.2	6.49	44.4	6.61
		288.8	31.4	3.86	34.1	4.62	37.0	5.38	40.3	6.07	41.5	6.22	43.2	6.38	44.4	6.44
		346.5	31.4	3.81	34.1	4.57	37.0	5.32	40.3	6.01	41.5	6.15	43.2	6.32	44.4	6.35
	35	92.4	31.4	4.90	34.1	5.70	37.0	6.64	40.3	7.47	41.5	7.65	43.2	7.84	44.4	7.97
		115.5	31.4	4.80	34.1	5.60	37.0	6.53	40.3	7.34	41.5	7.52	43.2	7.72	44.4	7.85
		231.0	31.4	4.42	34.1	5.23	37.0	6.10	40.3	6.88	41.5	7.04	43.2	7.21	44.4	7.34
		288.8	31.4	4.29	34.1	5.13	37.0	5.98	40.3	6.73	41.5	6.91	43.2	7.08	44.4	7.16
		346.5	31.4	4.23	34.1	5.07	37.0	5.92	40.3	6.67	41.5	6.84	43.2	7.02	44.4	7.06
	40	92.4	31.4	5.80	34.1	6.74	37.0	7.86	40.3	8.84	41.5	9.06	43.2	9.27	44.4	9.45
		115.5	31.4	5.69	34.1	6.64	37.0	7.73	40.3	8.70	41.5	8.91	43.2	9.12	44.4	9.30
		231.0	31.4	5.23	34.1	6.21	37.0	7.22	40.3	8.14	41.5	8.33	43.2	8.54	44.4	8.70
		288.8	31.4	5.08	34.1	6.07	37.0	7.08	40.3	7.98	41.5	8.17	43.2	8.39	44.4	8.47
		346.5	31.4	5.01	34.1	6.00	37.0	7.01	40.3	7.89	41.5	8.09	43.2	8.31	44.4	8.35

7. Capacity tables

Cooling Capacity (24 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	45	92.4	31.4	6.69	34.1	7.79	37.0	9.07	40.3	10.22	41.5	10.46	43.2	10.70	44.4	10.93
		115.5	31.4	6.56	34.1	7.67	37.0	8.94	40.3	10.05	41.5	10.29	43.2	10.53	44.4	10.76
		231.0	31.4	6.05	34.1	7.18	37.0	8.36	40.3	9.39	41.5	9.63	43.2	9.87	44.4	10.05
		288.8	31.4	5.87	34.1	7.01	37.0	8.19	40.3	9.21	41.5	9.44	43.2	9.69	44.4	9.77
		346.5	31.4	5.78	34.1	6.93	37.0	8.10	40.3	9.12	41.5	9.34	43.2	9.60	44.4	9.64
50	10	92.4	26.2	1.32	28.4	1.50	30.9	1.78	33.6	1.98	34.6	2.04	36.0	2.09	37.0	2.13
		115.5	26.2	1.29	28.4	1.49	30.9	1.75	33.6	1.95	34.6	2.02	36.0	2.05	37.0	2.10
		231.0	26.2	1.17	28.4	1.40	30.9	1.64	33.6	1.85	34.6	1.90	36.0	1.91	37.0	1.95
		288.8	26.2	1.14	28.4	1.39	30.9	1.61	33.6	1.80	34.6	1.83	36.0	1.89	37.0	1.91
		346.5	26.2	1.12	28.4	1.39	30.9	1.59	33.6	1.77	34.6	1.80	36.0	1.88	37.0	1.89
	15	92.4	26.2	1.78	28.4	2.06	30.9	2.41	33.6	2.70	34.6	2.77	36.0	2.84	37.0	2.90
		115.5	26.2	1.74	28.4	2.03	30.9	2.37	33.6	2.66	34.6	2.73	36.0	2.79	37.0	2.85
		231.0	26.2	1.60	28.4	1.90	30.9	2.22	33.6	2.49	34.6	2.56	36.0	2.62	37.0	2.66
		288.8	26.2	1.55	28.4	1.87	30.9	2.17	33.6	2.44	34.6	2.49	36.0	2.57	37.0	2.60
		346.5	26.2	1.53	28.4	1.85	30.9	2.16	33.6	2.41	34.6	2.47	36.0	2.55	37.0	2.56
	20	92.4	26.2	2.19	28.4	2.56	30.9	2.96	33.6	3.34	34.6	3.42	36.0	3.50	37.0	3.56
		115.5	26.2	2.15	28.4	2.51	30.9	2.92	33.6	3.29	34.6	3.37	36.0	3.44	37.0	3.51
		231.0	26.2	1.97	28.4	2.34	30.9	2.73	33.6	3.07	34.6	3.15	36.0	3.23	37.0	3.29
		288.8	26.2	1.92	28.4	2.29	30.9	2.67	33.6	3.02	34.6	3.09	36.0	3.17	37.0	3.20
		346.5	26.2	1.89	28.4	2.27	30.9	2.65	33.6	2.99	34.6	3.06	36.0	3.14	37.0	3.17
	25	92.4	26.2	2.67	28.4	3.10	30.9	3.61	33.6	4.08	34.6	4.18	36.0	4.27	37.0	4.34
		115.5	26.2	2.62	28.4	3.05	30.9	3.56	33.6	4.01	34.6	4.11	36.0	4.20	37.0	4.27
		231.0	26.2	2.41	28.4	2.86	30.9	3.33	33.6	3.74	34.6	3.84	36.0	3.94	37.0	4.01
		288.8	26.2	2.34	28.4	2.79	30.9	3.26	33.6	3.68	34.6	3.76	36.0	3.86	37.0	3.91
		346.5	26.2	2.29	28.4	2.76	30.9	3.23	33.6	3.64	34.6	3.73	36.0	3.82	37.0	3.85
	30	92.4	26.2	3.29	28.4	3.83	30.9	4.46	33.6	5.02	34.6	5.14	36.0	5.26	37.0	5.35
		115.5	26.2	3.22	28.4	3.76	30.9	4.38	33.6	4.94	34.6	5.05	36.0	5.18	37.0	5.26
		231.0	26.2	2.96	28.4	3.51	30.9	4.10	33.6	4.62	34.6	4.71	36.0	4.85	37.0	4.92
		288.8	26.2	2.89	28.4	3.43	30.9	4.01	33.6	4.52	34.6	4.64	36.0	4.75	37.0	4.80
		346.5	26.2	2.84	28.4	3.40	30.9	3.98	33.6	4.48	34.6	4.59	36.0	4.70	37.0	4.75
	35	92.4	26.2	3.66	28.4	4.24	30.9	4.95	33.6	5.57	34.6	5.71	36.0	5.84	37.0	5.94
		115.5	26.2	3.58	28.4	4.18	30.9	4.87	33.6	5.47	34.6	5.61	36.0	5.74	37.0	5.85
		231.0	26.2	3.30	28.4	3.91	30.9	4.55	33.6	5.13	34.6	5.24	36.0	5.38	37.0	5.47
		288.8	26.2	3.20	28.4	3.83	30.9	4.45	33.6	5.03	34.6	5.15	36.0	5.28	37.0	5.33
		346.5	26.2	3.17	28.4	3.79	30.9	4.41	33.6	4.98	34.6	5.10	36.0	5.23	37.0	5.26
	40	92.4	26.2	4.34	28.4	5.03	30.9	5.86	33.6	6.60	34.6	6.75	36.0	6.91	37.0	7.04
		115.5	26.2	4.24	28.4	4.95	30.9	5.76	33.6	6.49	34.6	6.65	36.0	6.80	37.0	6.94
		231.0	26.2	3.90	28.4	4.63	30.9	5.39	33.6	6.07	34.6	6.22	36.0	6.38	37.0	6.48
		288.8	26.2	3.79	28.4	4.52	30.9	5.28	33.6	5.96	34.6	6.10	36.0	6.25	37.0	6.31
		346.5	26.2	3.74	28.4	4.47	30.9	5.22	33.6	5.89	34.6	6.04	36.0	6.19	37.0	6.22
	45	92.4	26.2	5.02	28.4	5.81	30.9	6.77	33.6	7.63	34.6	7.80	36.0	7.99	37.0	8.15
		115.5	26.2	4.92	28.4	5.72	30.9	6.67	33.6	7.50	34.6	7.68	36.0	7.87	37.0	8.01
		231.0	26.2	4.50	28.4	5.34	30.9	6.23	33.6	7.01	34.6	7.19	36.0	7.37	37.0	7.48
		288.8	26.2	4.37	28.4	5.22	30.9	6.11	33.6	6.88	34.6	7.05	36.0	7.21	37.0	7.29
		346.5	26.2	4.31	28.4	5.17	30.9	6.05	33.6	6.81	34.6	6.98	36.0	7.15	37.0	7.19

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB280LAS4

Cooling Capacity (28 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (28 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (28 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (28 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (28 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB300LAS4

Cooling Capacity (30 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	115.2	78.1	5.47	84.6	6.41	92.1	7.46	100.0	8.38	103.1	8.55	107.1	8.84	110.1	8.96
		144.0	78.1	5.37	84.6	6.30	92.1	7.34	100.0	8.23	103.1	8.43	107.1	8.70	110.1	8.83
		288.0	78.1	4.98	84.6	5.85	92.1	6.83	100.0	7.71	103.1	7.93	107.1	8.10	110.1	8.29
		360.0	78.1	4.84	84.6	5.76	92.1	6.72	100.0	7.53	103.1	7.76	107.1	7.96	110.1	8.07
		432.0	78.1	4.77	84.6	5.72	92.1	6.66	100.0	7.45	103.1	7.68	107.1	7.88	110.1	7.95
	15	115.2	76.8	7.21	83.2	8.40	90.6	9.79	98.4	11.00	101.4	11.26	105.3	11.56	108.3	11.75
		144.0	76.8	7.07	83.2	8.26	90.6	9.63	98.4	10.82	101.4	11.08	105.3	11.37	108.3	11.58
		288.0	76.8	6.52	83.2	7.71	90.6	8.99	98.4	10.12	101.4	10.38	105.3	10.65	108.3	10.88
		360.0	76.8	6.34	83.2	7.56	90.6	8.81	98.4	9.92	101.4	10.18	105.3	10.44	108.3	10.62
		432.0	76.8	6.25	83.2	7.49	90.6	8.73	98.4	9.82	101.4	10.08	105.3	10.34	108.3	10.49
	20	115.2	75.7	8.76	82.0	10.17	89.3	11.85	97.1	13.34	99.9	13.66	103.8	13.98	106.8	14.24
		144.0	75.7	8.58	82.0	10.01	89.3	11.66	97.1	13.12	99.9	13.44	103.8	13.76	106.8	14.02
		288.0	75.7	7.88	82.0	9.37	89.3	10.91	97.1	12.28	99.9	12.57	103.8	12.92	106.8	13.18
		360.0	75.7	7.68	82.0	9.16	89.3	10.68	97.1	12.04	99.9	12.33	103.8	12.65	106.8	12.89
		432.0	75.7	7.58	82.0	9.06	89.3	10.56	97.1	11.93	99.9	12.22	103.8	12.52	106.8	12.74
	25	115.2	75.7	10.81	82.0	12.54	89.3	14.60	97.1	16.48	99.9	16.86	103.8	17.25	106.8	17.54
		144.0	75.7	10.59	82.0	12.33	89.3	14.37	97.1	16.20	99.9	16.58	103.8	16.99	106.8	17.28
		288.0	75.7	9.74	82.0	11.55	89.3	13.44	97.1	15.13	99.9	15.50	103.8	15.94	106.8	16.23
		360.0	75.7	9.45	82.0	11.29	89.3	13.18	97.1	14.84	99.9	15.21	103.8	15.62	106.8	15.88
		432.0	75.7	9.31	82.0	11.16	89.3	13.05	97.1	14.69	99.9	15.07	103.8	15.46	106.8	15.71
	30	115.2	75.7	12.97	82.0	15.05	89.3	17.53	97.1	19.75	99.9	20.22	103.8	20.71	106.8	21.06
		144.0	75.7	12.71	82.0	14.81	89.3	17.25	97.1	19.43	99.9	19.90	103.8	20.39	106.8	20.74
		288.0	75.7	11.66	82.0	13.85	89.3	16.14	97.1	18.15	99.9	18.62	103.8	19.11	106.8	19.49
		360.0	75.7	11.34	82.0	13.56	89.3	15.80	97.1	17.80	99.9	18.27	103.8	18.73	106.8	19.05
		432.0	75.7	11.18	82.0	13.41	89.3	15.62	97.1	17.63	99.9	18.09	103.8	18.54	106.8	18.83
	35	115.2	68.1	13.09	73.8	15.23	80.3	17.74	87.3	19.95	90.0	20.46	93.5	20.96	96.1	21.29
		144.0	68.1	12.83	73.8	14.98	80.3	17.45	87.3	19.64	90.0	20.13	93.5	20.62	96.1	20.97
		288.0	68.1	11.81	73.8	13.99	80.3	16.32	87.3	18.38	90.0	18.82	93.5	19.32	96.1	19.72
		360.0	68.1	11.49	73.8	13.70	80.3	15.97	87.3	18.01	90.0	18.47	93.5	18.94	96.1	19.26
		432.0	68.1	11.33	73.8	13.56	80.3	15.80	87.3	17.82	90.0	18.30	93.5	18.75	96.1	19.02
	40	115.2	60.6	13.83	65.6	16.06	71.4	18.72	77.6	21.05	80.0	21.54	83.1	22.07	85.4	22.47
		144.0	60.6	13.56	65.6	15.80	71.4	18.41	77.6	20.71	80.0	21.21	83.1	21.73	85.4	22.14
		288.0	60.6	12.45	65.6	14.78	71.4	17.22	77.6	19.37	80.0	19.87	83.1	20.39	85.4	20.80
		360.0	60.6	12.10	65.6	14.46	71.4	16.84	77.6	19.00	80.0	19.49	83.1	19.98	85.4	20.33
		432.0	60.6	11.93	65.6	14.30	71.4	16.65	77.6	18.81	80.0	19.30	83.1	19.78	85.4	20.10
	45	115.2	52.9	14.59	57.5	16.87	62.4	19.69	67.9	22.15	70.0	22.63	72.6	23.18	74.7	23.66
		144.0	52.9	14.28	57.5	16.61	62.4	19.37	67.9	21.79	70.0	22.28	72.6	22.84	74.7	23.30
		288.0	52.9	13.09	57.5	15.56	62.4	18.12	67.9	20.36	70.0	20.92	72.6	21.47	74.7	21.88
		360.0	52.9	12.71	57.5	15.21	62.4	17.72	67.9	19.98	70.0	20.51	72.6	21.03	74.7	21.41
		432.0	52.9	12.52	57.5	15.04	62.4	17.51	67.9	19.79	70.0	20.30	72.6	20.81	74.7	21.18
120	10	115.2	73.9	5.22	80.0	6.08	87.2	7.04	94.7	7.93	97.5	8.17	101.4	8.38	104.2	8.47
		144.0	73.9	5.11	80.0	5.98	87.2	6.94	94.7	7.81	97.5	8.03	101.4	8.23	104.2	8.34
		288.0	73.9	4.68	80.0	5.59	87.2	6.52	94.7	7.30	97.5	7.46	101.4	7.66	104.2	7.84
		360.0	73.9	4.55	80.0	5.41	87.2	6.37	94.7	7.13	97.5	7.36	101.4	7.52	104.2	7.67
		432.0	73.9	4.48	80.0	5.32	87.2	6.30	94.7	7.04	97.5	7.30	101.4	7.45	104.2	7.58
	15	115.2	73.1	6.92	79.1	8.04	86.2	9.34	93.6	10.53	96.4	10.79	100.2	11.05	103.0	11.23
		144.0	73.1	6.78	79.1	7.91	86.2	9.19	93.6	10.36	96.4	10.62	100.2	10.88	103.0	11.05
		288.0	73.1	6.23	79.1	7.39	86.2	8.61	93.6	9.69	96.4	9.92	100.2	10.18	103.0	10.38
		360.0	73.1	6.05	79.1	7.21	86.2	8.44	93.6	9.48	96.4	9.74	100.2	9.98	103.0	10.15
		432.0	73.1	5.96	79.1	7.13	86.2	8.35	93.6	9.38	96.4	9.66	100.2	9.88	103.0	10.04
	20	115.2	72.3	8.43	78.3	9.79	85.3	11.39	92.7	12.83	95.4	13.12	99.2	13.44	102.0	13.67
		144.0	72.3	8.26	78.3	9.63	85.3	11.20	92.7	12.62	95.4	12.92	99.2	13.24	102.0	13.47
		288.0	72.3	7.59	78.3	8.99	85.3	10.47	92.7	11.81	95.4	12.10	99.2	12.42	102.0	12.65
		360.0	72.3	7.39	78.3	8.81	85.3	10.27	92.7	11.58	95.4	11.87	99.2	12.16	102.0	12.36
		432.0	72.3	7.29	78.3	8.73	85.3	10.17	92.7	11.46	95.4	11.75	99.2	12.03	102.0	12.22
	25	115.2	72.3	10.36	78.3	12.04	85.3	14.02	92.7	15.75	95.4	16.14	99.2	16.55	102.0	16.84
		144.0	72.3	10.15	78.3	11.84	85.3	13.79	92.7	15.50	95.4	15.88	99.2	16.29	102.0	16.58
		288.0	72.3	9.34	78.3	11.05	85.3	12.89	92.7	14.52	95.4	14.86	99.2	15.24	102.0	15.56
		360.0	72.3	9.08	78.3	10.82	85.3	12.62	92.7	14.22	95.4	14.57	99.2	14.95	102.0	15.18
		432.0	72.3	8.94	78.3	10.70	85.3	12.49	92.7	14.08	95.4	14.43	99.2	14.81	102.0	15.00
	30	115.2	72.3	12.49	78.3	14.55	85.3	16.95	92.7	19.07	95.4	19.51	99.2	20.01	102.0	20.36
		144.0	72.3	12.25	78.3	14.31	85.3	16.67	92.7	18.76	95.4	19.20	99.2	19.69	102.0	20.04
		288.0	72.3	11.29	78.3	13.38	85.3	15.56	92.7	17.54	95.4	17.98	99.2	18.44	102.0	18.79
		360.0	72.3	10.97	78.3	13.09	85.3	15.24	92.7	17.19	95.4	17.63	99.2	18.09	102.0	18.36
		432.0	72.3	10.81	78.3	12.94	85.3	15.08	92.7	17.02	95.4	17.45	99.2	17.92	102.0	18.14
	35	115.2	66.1	12.83	71.7	14.91	78.0	17.35	84.8	19.55	87.3	20.01	90.7	20.48	93.3	20.86
		144.0	66.1	12.57	71.7	14.66	78.0	17.08	84.8	19.23	87.3	19.69	90.7	20.16	93.3	20.54
		288.0	66.1	11.55	71.7	13.70	78.0	15.97	84.8	17.98	87.3	18.41	90.7	18.91	93.3	19.26
		360.0	66.1	11.23	71.7	13.41	78.0	15.65	84.8	17.63	87.3	18.06	90.7	18.53	93.3	18.82
		432.0	66.1	11.07	71.7	13.26	78.0	15.49	84.8	17.45	87.3	17.89	90.7	18.34	93.3	18.60
	40	115.2	60.0	13.80	65.0	16.03	70.8	18.69	77.0	21.02	79.2	21.52	82.3	22.05	84.6	22.46
		144.0	60.0	13.53	65.0	15.77	70.8	18.38	77.0	20.68	79.2	21.18	82.3	21.70	84.6	22.11
		288.0	60.0	12.45	65.0	14.75	70.8	17.19	77.0	19.34	79.2	19.81	82.3	20.33	84.6	20.74
		360.0	60.0	12.10	65.0	14.43	70.8	16.84	77.0	18.97	79.2	19.46	82.3	19.96	84.6	20.25
		432.0	60.0	11.93	65.0	14.27	70.8	16.67	77.0	18.78	79.2	19.29	82.3	19.77	84.6	20.00

7. Capacity tables

Cooling Capacity (30 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	45	115.2	53.9	14.78	58.3	17.15	63.5	20.01	69.2	22.50	71.2	23.03	73.9	23.62	75.9	24.04
		144.0	53.9	14.49	58.3	16.87	63.5	19.69	69.2	22.14	71.2	22.66	73.9	23.24	75.9	23.68
		288.0	53.9	13.35	58.3	15.80	63.5	18.41	69.2	20.71	71.2	21.21	73.9	21.76	75.9	22.22
		360.0	53.9	12.97	58.3	15.45	63.5	18.04	69.2	20.30	71.2	20.86	73.9	21.38	75.9	21.67
		432.0	53.9	12.78	58.3	15.27	63.5	17.85	69.2	20.10	71.2	20.68	73.9	21.19	75.9	21.39
110	10	115.2	69.7	4.92	75.6	5.70	82.2	6.68	89.3	7.49	91.9	7.65	95.7	7.90	98.1	8.00
		144.0	69.7	4.83	75.6	5.60	82.2	6.56	89.3	7.37	91.9	7.54	95.7	7.77	98.1	7.88
		288.0	69.7	4.43	75.6	5.24	82.2	6.11	89.3	6.89	91.9	7.10	95.7	7.26	98.1	7.37
		360.0	69.7	4.32	75.6	5.13	82.2	5.96	89.3	6.79	91.9	6.89	95.7	7.12	98.1	7.20
		432.0	69.7	4.26	75.6	5.07	82.2	5.89	89.3	6.73	91.9	6.79	95.7	7.05	98.1	7.11
	15	115.2	69.3	6.59	75.0	7.66	81.7	8.93	88.8	10.05	91.5	10.28	95.1	10.56	97.7	10.73
		144.0	69.3	6.46	75.0	7.53	81.7	8.78	88.8	9.89	91.5	10.12	95.1	10.38	97.7	10.56
		288.0	69.3	5.93	75.0	7.04	81.7	8.20	88.8	9.25	91.5	9.48	95.1	9.72	97.7	9.89
		360.0	69.3	5.79	75.0	6.89	81.7	8.03	88.8	9.08	91.5	9.28	95.1	9.54	97.7	9.66
		432.0	69.3	5.72	75.0	6.82	81.7	7.94	88.8	8.99	91.5	9.18	95.1	9.45	97.7	9.54
	20	115.2	69.0	8.07	74.7	9.41	81.3	10.94	88.4	12.33	91.0	12.63	94.5	12.92	97.2	13.15
		144.0	69.0	7.91	74.7	9.25	81.3	10.76	88.4	12.13	91.0	12.42	94.5	12.71	97.2	12.94
		288.0	69.0	7.27	74.7	8.64	81.3	10.06	88.4	11.34	91.0	11.61	94.5	11.90	97.2	12.13
		360.0	69.0	7.10	74.7	8.46	81.3	9.86	88.4	11.11	91.0	11.40	94.5	11.69	97.2	11.84
		432.0	69.0	7.01	74.7	8.38	81.3	9.76	88.4	11.00	91.0	11.30	94.5	11.59	97.2	11.69
	25	115.2	69.0	9.88	74.7	11.50	81.3	13.39	88.4	15.08	91.0	15.43	94.5	15.81	97.2	16.10
		144.0	69.0	9.69	74.7	11.32	81.3	13.18	88.4	14.84	91.0	15.18	94.5	15.56	97.2	15.85
		288.0	69.0	8.93	74.7	10.59	81.3	12.33	88.4	13.88	91.0	14.22	94.5	14.57	97.2	14.86
		360.0	69.0	8.67	74.7	10.36	81.3	12.07	88.4	13.61	91.0	13.93	94.5	14.31	97.2	14.49
		432.0	69.0	8.54	74.7	10.24	81.3	11.94	88.4	13.48	91.0	13.79	94.5	14.18	97.2	14.30
	30	115.2	69.0	12.04	74.7	14.02	81.3	16.32	88.4	18.40	91.0	18.83	94.5	19.27	97.2	19.62
		144.0	69.0	11.81	74.7	13.79	81.3	16.06	88.4	18.09	91.0	18.53	94.5	18.97	97.2	19.32
		288.0	69.0	10.88	74.7	12.89	81.3	15.01	88.4	16.90	91.0	17.34	94.5	17.77	97.2	18.09
		360.0	69.0	10.59	74.7	12.62	81.3	14.72	88.4	16.58	91.0	16.99	94.5	17.42	97.2	17.66
		432.0	69.0	10.44	74.7	12.49	81.3	14.57	88.4	16.42	91.0	16.81	94.5	17.25	97.2	17.44
	35	115.2	64.2	12.55	69.6	14.57	75.8	16.97	82.3	19.13	84.8	19.58	88.1	20.04	90.6	20.42
		144.0	64.2	12.30	69.6	14.34	75.8	16.70	82.3	18.82	84.8	19.26	88.1	19.72	90.6	20.10
		288.0	64.2	11.32	69.6	13.41	75.8	15.62	82.3	17.60	84.8	18.01	88.1	18.47	90.6	18.82
		360.0	64.2	11.00	69.6	13.12	75.8	15.30	82.3	17.25	84.8	17.69	88.1	18.12	90.6	18.36
		432.0	64.2	10.84	69.6	12.97	75.8	15.14	82.3	17.07	84.8	17.53	88.1	17.95	90.6	18.12
	40	115.2	59.4	13.77	64.5	16.03	70.2	18.66	76.3	20.99	78.6	21.50	81.6	22.02	83.9	22.43
		144.0	59.4	13.50	64.5	15.77	70.2	18.36	76.3	20.65	78.6	21.15	81.6	21.67	83.9	22.08
		288.0	59.4	12.42	64.5	14.72	70.2	17.16	76.3	19.32	78.6	19.78	81.6	20.30	83.9	20.68
		360.0	59.4	12.07	64.5	14.40	70.2	16.81	76.3	18.94	78.6	19.43	81.6	19.93	83.9	20.16
		432.0	59.4	11.90	64.5	14.24	70.2	16.64	76.3	18.75	78.6	19.26	81.6	19.74	83.9	19.90
	45	115.2	54.7	14.98	59.4	17.48	64.5	20.35	70.2	22.85	72.3	23.42	75.2	24.00	77.3	24.44
		144.0	54.7	14.69	59.4	17.19	64.5	20.01	70.2	22.49	72.3	23.04	75.2	23.62	77.3	24.06
		288.0	54.7	13.53	59.4	16.03	64.5	18.70	70.2	21.03	72.3	21.56	75.2	22.14	77.3	22.54
		360.0	54.7	13.15	59.4	15.68	64.5	18.33	70.2	20.62	72.3	21.18	75.2	21.73	77.3	21.96
		432.0	54.7	12.96	59.4	15.50	64.5	18.14	70.2	20.42	72.3	20.99	75.2	21.53	77.3	21.67
100	10	115.2	65.5	4.65	70.9	5.41	77.3	6.21	84.0	7.08	86.5	7.18	89.9	7.43	92.4	7.56
		144.0	65.5	4.57	70.9	5.32	77.3	6.12	84.0	6.97	86.5	7.08	89.9	7.30	92.4	7.45
		288.0	65.5	4.20	70.9	4.96	77.3	5.76	84.0	6.53	86.5	6.66	89.9	6.83	92.4	6.97
		360.0	65.5	4.06	70.9	4.84	77.3	5.63	84.0	6.38	86.5	6.52	89.9	6.69	92.4	6.75
		432.0	65.5	3.99	70.9	4.78	77.3	5.55	84.0	6.31	86.5	6.44	89.9	6.62	92.4	6.63
	15	115.2	65.5	6.30	70.9	7.30	77.3	8.48	84.0	9.58	86.5	9.79	89.9	10.05	92.4	10.23
		144.0	65.5	6.17	70.9	7.19	77.3	8.35	84.0	9.42	86.5	9.63	89.9	9.89	92.4	10.06
		288.0	65.5	5.67	70.9	6.72	77.3	7.83	84.0	8.81	86.5	9.02	89.9	9.25	92.4	9.42
		360.0	65.5	5.50	70.9	6.57	77.3	7.65	84.0	8.64	86.5	8.84	89.9	9.08	92.4	9.16
		432.0	65.5	5.41	70.9	6.50	77.3	7.56	84.0	8.55	86.5	8.76	89.9	8.99	92.4	9.03
	20	115.2	65.5	7.75	70.9	8.99	77.3	10.50	84.0	11.80	86.5	12.10	89.9	12.39	92.4	12.59
		144.0	65.5	7.59	70.9	8.84	77.3	10.33	84.0	11.61	86.5	11.90	89.9	12.19	92.4	12.39
		288.0	65.5	6.98	70.9	8.29	77.3	9.66	84.0	10.85	86.5	11.11	89.9	11.40	92.4	11.61
		360.0	65.5	6.78	70.9	8.12	77.3	9.45	84.0	10.65	86.5	10.91	89.9	11.20	92.4	11.32
		432.0	65.5	6.68	70.9	8.03	77.3	9.35	84.0	10.54	86.5	10.81	89.9	11.10	92.4	11.17
	25	115.2	65.5	9.44	70.9	10.97	77.3	12.77	84.0	14.40	86.5	14.76	89.9	15.11	92.4	15.37
		144.0	65.5	9.25	70.9	10.79	77.3	12.57	84.0	14.17	86.5	14.52	89.9	14.86	92.4	15.13
		288.0	65.5	8.52	70.9	10.09	77.3	11.75	84.0	13.24	86.5	13.56	89.9	13.90	92.4	14.17
		360.0	65.5	8.29	70.9	9.89	77.3	11.52	84.0	12.97	86.5	13.29	89.9	13.64	92.4	13.79
		432.0	65.5	8.17	70.9	9.79	77.3	11.40	84.0	12.84	86.5	13.16	89.9	13.51	92.4	13.60
	30	115.2	65.5	11.61	70.9	13.51	77.3	15.74	84.0	17.71	86.5	18.12	89.9	18.56	92.4	18.92
		144.0	65.5	11.37	70.9	13.29	77.3	15.48	84.0	17.42	86.5	17.83	89.9	18.27	92.4	18.62
		288.0	65.5	10.47	70.9	12.42	77.3	14.46	84.0	16.29	86.5	16.67	89.9	17.10	92.4	17.42
		360.0	65.5	10.18	70.9	12.16	77.3	14.17	84.0	15.97	86.5	16.38	89.9	16.78	92.4	16.96
		432.0	65.5	10.04	70.9	12.03	77.3	14.02	84.0	15.81	86.5	16.23	89.9	16.62	92.4	16.73
	35	115.2	62.3	12.26	67.5	14.25	73.4	16.58	79.8	18.69	82.2	19.13	85.4	19.59	87.8	19.95
		144.0	62.3	12.01	67.5	14.02	73.4	16.32	79.8	18.38	82.2	18.82	85.4	19.29	87.8	19.64
		288.0	62.3	11.05	67.5	13.12	73.4	15.27	79.8	17.19	82.2	17.60	85.4	18.06	87.8	18.38
		360.0	62.3	10.76	67.5	12.83	73.4	14.95	79.8	16.87	82.2	17.28	85.4	17.72	87.8	17.89
		432.0	62.3	10.62	67.5	12.68	73.4	14.79	79.8	16.71	82.2	17.12	85.4	17.54	87.8	17.64
	40	115.2	58.9	13.77	63.9	16.00	69.6	18.63	75.6	20.96	77.9	21.47	81.0	21.99	83.1	22.37
		144.0	58.9	13.50	63.9	15.74	69.6	18.33	75.6	20.62	77.9	21.12	81.0	21.64	83.1	22.02
		288.0	58.9	12.39	63.9	14.72	69.6	17.13	75.6	19.29	77.9	19.75	81.0	20.25	83.1	20.62
		360.0	58.9	12.07	63.9	14.40	69.6	16.78	75.6	18.91	77.9	19.37	81.0	19.87	83.1	20.07
		432.0	58.9	11.91	63.9	14.24	69.6	16.61	75.6	18.72	77.9	19.18	81.0	19.68	83.1	19.79

7. Capacity tables

Cooling Capacity (30 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	45	115.2	55.6	15.30	60.3	17.74	65.7	20.67	71.4	23.24	73.6	23.80	76.5	24.39	78.5	24.80
		144.0	55.6	14.98	60.3	17.45	65.7	20.33	71.4	22.86	73.6	23.42	76.5	24.00	78.5	24.41
		288.0	55.6	13.73	60.3	16.32	65.7	19.00	71.4	21.38	73.6	21.90	76.5	22.43	78.5	22.86
		360.0	55.6	13.38	60.3	15.97	65.7	18.62	71.4	20.94	73.6	21.47	76.5	22.02	78.5	22.25
		432.0	55.6	13.21	60.3	15.80	65.7	18.43	71.4	20.73	73.6	21.25	76.5	21.82	78.5	21.95
90	10	115.2	58.9	3.96	63.9	4.60	69.6	5.37	75.6	6.08	77.9	6.19	81.0	6.31	83.1	6.52
		144.0	58.9	3.88	63.9	4.54	69.6	5.29	75.6	5.99	77.9	6.10	81.0	6.24	83.1	6.41
		288.0	58.9	3.61	63.9	4.29	69.6	4.96	75.6	5.63	77.9	5.74	81.0	5.91	83.1	5.99
		360.0	58.9	3.50	63.9	4.14	69.6	4.87	75.6	5.45	77.9	5.63	81.0	5.80	83.1	5.79
		432.0	58.9	3.45	63.9	4.06	69.6	4.83	75.6	5.37	77.9	5.57	81.0	5.74	83.1	5.69
	15	115.2	58.9	5.40	63.9	6.27	69.6	7.30	75.6	8.25	77.9	8.42	81.0	8.63	83.1	8.81
		144.0	58.9	5.29	63.9	6.17	69.6	7.19	75.6	8.12	77.9	8.29	81.0	8.49	83.1	8.67
		288.0	58.9	4.89	63.9	5.79	69.6	6.72	75.6	7.59	77.9	7.77	81.0	7.97	83.1	8.12
		360.0	58.9	4.74	63.9	5.64	69.6	6.60	75.6	7.42	77.9	7.62	81.0	7.83	83.1	7.88
		432.0	58.9	4.67	63.9	5.57	69.6	6.54	75.6	7.33	77.9	7.55	81.0	7.75	83.1	7.77
	20	115.2	58.9	6.68	63.9	7.75	69.6	9.02	75.6	10.18	77.9	10.41	81.0	10.68	83.1	10.85
		144.0	58.9	6.55	63.9	7.62	69.6	8.87	75.6	10.01	77.9	10.24	81.0	10.50	83.1	10.68
		288.0	58.9	6.02	63.9	7.13	69.6	8.29	75.6	9.34	77.9	9.57	81.0	9.80	83.1	10.01
		360.0	58.9	5.85	63.9	6.98	69.6	8.15	75.6	9.16	77.9	9.40	81.0	9.63	83.1	9.74
		432.0	58.9	5.76	63.9	6.91	69.6	8.07	75.6	9.08	77.9	9.31	81.0	9.54	83.1	9.61
	25	115.2	58.9	8.13	63.9	9.47	69.6	11.00	75.6	12.39	77.9	12.68	81.0	13.00	83.1	13.25
		144.0	58.9	7.97	63.9	9.31	69.6	10.82	75.6	12.19	77.9	12.48	81.0	12.80	83.1	13.03
		288.0	58.9	7.33	63.9	8.70	69.6	10.12	75.6	11.40	77.9	11.66	81.0	11.98	83.1	12.19
		360.0	58.9	7.13	63.9	8.49	69.6	9.92	75.6	11.17	77.9	11.46	81.0	11.75	83.1	11.87
		432.0	58.9	7.02	63.9	8.39	69.6	9.82	75.6	11.05	77.9	11.36	81.0	11.64	83.1	11.71
	30	115.2	58.9	10.01	63.9	11.62	69.6	13.54	75.6	15.26	77.9	15.61	81.0	16.00	83.1	16.29
		144.0	58.9	9.80	63.9	11.43	69.6	13.32	75.6	15.01	77.9	15.36	81.0	15.74	83.1	16.03
		288.0	58.9	9.02	63.9	10.68	69.6	12.45	75.6	14.02	77.9	14.37	81.0	14.72	83.1	14.98
		360.0	58.9	8.76	63.9	10.47	69.6	12.19	75.6	13.76	77.9	14.08	81.0	14.46	83.1	14.60
		432.0	58.9	8.62	63.9	10.37	69.6	12.06	75.6	13.63	77.9	13.93	81.0	14.33	83.1	14.41
	35	115.2	57.3	10.81	62.1	12.54	67.6	14.60	73.5	16.44	75.7	16.83	78.6	17.23	80.8	17.56
		144.0	57.3	10.59	62.1	12.33	67.6	14.37	73.5	16.17	75.7	16.55	78.6	16.96	80.8	17.28
		288.0	57.3	9.72	62.1	11.52	67.6	13.44	73.5	15.13	75.7	15.48	78.6	15.88	80.8	16.17
		360.0	57.3	9.45	62.1	11.29	67.6	13.15	73.5	14.84	75.7	15.21	78.6	15.59	80.8	15.74
		432.0	57.3	9.32	62.1	11.17	67.6	13.00	73.5	14.69	75.7	15.08	78.6	15.45	80.8	15.52
	40	115.2	55.7	12.41	60.3	14.40	65.7	16.76	71.4	18.89	73.6	19.33	76.4	19.81	78.6	20.16
		144.0	55.7	12.16	60.3	14.17	65.7	16.49	71.4	18.59	73.6	19.02	76.4	19.49	78.6	19.84
		288.0	55.7	11.17	60.3	13.24	65.7	15.45	71.4	17.37	73.6	17.80	76.4	18.24	78.6	18.59
		360.0	55.7	10.85	60.3	12.97	65.7	15.13	71.4	17.05	73.6	17.45	76.4	17.92	78.6	18.09
		432.0	55.7	10.69	60.3	12.84	65.7	14.97	71.4	16.89	73.6	17.28	76.4	17.76	78.6	17.85
	45	115.2	54.0	14.01	58.6	16.26	63.8	18.91	69.3	21.35	71.4	21.84	74.1	22.38	76.3	22.75
		144.0	54.0	13.73	58.6	16.00	63.8	18.62	69.3	21.00	71.4	21.50	74.1	22.02	76.3	22.40
		288.0	54.0	12.62	58.6	14.95	63.8	17.45	69.3	19.61	71.4	20.13	74.1	20.60	76.3	21.00
		360.0	54.0	12.25	58.6	14.66	63.8	17.10	69.3	19.26	71.4	19.69	74.1	20.25	76.3	20.45
		432.0	54.0	12.06	58.6	14.52	63.8	16.93	69.3	19.08	71.4	19.47	74.1	20.07	76.3	20.17
80	10	115.2	52.4	3.39	56.7	3.85	61.8	4.48	67.2	5.13	69.2	5.19	71.9	5.35	73.9	5.40
		144.0	52.4	3.30	56.7	3.81	61.8	4.42	67.2	5.04	69.2	5.12	71.9	5.26	73.9	5.31
		288.0	52.4	3.00	56.7	3.62	61.8	4.17	67.2	4.67	69.2	4.81	71.9	4.90	73.9	4.98
		360.0	52.4	2.97	56.7	3.50	61.8	4.09	67.2	4.59	69.2	4.67	71.9	4.81	73.9	4.87
		432.0	52.4	2.95	56.7	3.43	61.8	4.04	67.2	4.55	69.2	4.60	71.9	4.77	73.9	4.81
	15	115.2	52.4	4.55	56.7	5.26	61.8	6.12	67.2	6.92	69.2	7.07	71.9	7.24	73.9	7.36
		144.0	52.4	4.45	56.7	5.18	61.8	6.02	67.2	6.81	69.2	6.95	71.9	7.13	73.9	7.24
		288.0	52.4	4.07	56.7	4.86	61.8	5.64	67.2	6.34	69.2	6.52	71.9	6.66	73.9	6.78
		360.0	52.4	3.99	56.7	4.74	61.8	5.53	67.2	6.23	69.2	6.37	71.9	6.55	73.9	6.60
		432.0	52.4	3.94	56.7	4.68	61.8	5.47	67.2	6.17	69.2	6.30	71.9	6.49	73.9	6.52
	20	115.2	52.4	5.58	56.7	6.51	61.8	7.58	67.2	8.52	69.2	8.72	71.9	8.93	73.9	9.11
		144.0	52.4	5.47	56.7	6.40	61.8	7.45	67.2	8.38	69.2	8.58	71.9	8.78	73.9	8.96
		288.0	52.4	5.03	56.7	5.96	61.8	6.95	67.2	7.83	69.2	8.03	71.9	8.23	73.9	8.38
		360.0	52.4	4.89	56.7	5.85	61.8	6.81	67.2	7.68	69.2	7.88	71.9	8.09	73.9	8.15
		432.0	52.4	4.81	56.7	5.79	61.8	6.73	67.2	7.61	69.2	7.81	71.9	8.01	73.9	8.03
	25	115.2	52.4	6.83	56.7	7.93	61.8	9.22	67.2	10.37	69.2	10.65	71.9	10.91	73.9	11.08
		144.0	52.4	6.69	56.7	7.80	61.8	9.08	67.2	10.21	69.2	10.47	71.9	10.73	73.9	10.91
		288.0	52.4	6.14	56.7	7.27	61.8	8.49	67.2	9.57	69.2	9.77	71.9	10.04	73.9	10.21
		360.0	52.4	5.96	56.7	7.13	61.8	8.32	67.2	9.37	69.2	9.60	71.9	9.86	73.9	9.95
		432.0	52.4	5.88	56.7	7.05	61.8	8.23	67.2	9.26	69.2	9.51	71.9	9.77	73.9	9.82
	30	115.2	52.4	8.36	56.7	9.73	61.8	11.36	67.2	12.77	69.2	13.06	71.9	13.39	73.9	13.66
		144.0	52.4	8.20	56.7	9.57	61.8	11.17	67.2	12.57	69.2	12.86	71.9	13.18	73.9	13.44
		288.0	52.4	7.56	56.7	8.96	61.8	10.44	67.2	11.75	69.2	12.04	71.9	12.33	73.9	12.57
		360.0	52.4	7.36	56.7	8.76	61.8	10.21	67.2	11.52	69.2	11.81	71.9	12.10	73.9	12.25
		432.0	52.4	7.26	56.7	8.65	61.8	10.09	67.2	11.40	69.2	11.69	71.9	11.98	73.9	12.09
	35	115.2	52.4	9.32	56.7	10.82	61.8	12.59	67.2	14.19	69.2	14.55	71.9	14.91	73.9	15.17
		144.0	52.4	9.13	56.7	10.65	61.8	12.39	67.2	13.96	69.2	14.31	71.9	14.66	73.9	14.92
		288.0	52.4	8.41	56.7	9.95	61.8	11.61	67.2	13.06	69.2	13.38	71.9	13.70	73.9	13.96
		360.0	52.4	8.17	56.7	9.74	61.8	11.37	67.2	12.80	69.2	13.12	71.9	13.47	73.9	13.58
		432.0	52.4	8.06	56.7	9.64	61.8	11.26	67.2	12.67	69.2	12.99	71.9	13.35	73.9	13.40
	40	115.2	52.4	11.04	56.7	12.84	61.8	14.94	67.2	16.83	69.2	17.21	71.9	17.66	73.9	17.95
		144.0	52.4	10.82	56.7	12.62	61.8	14.69	67.2	16.55	69.2	16.93	71.9	17.37	73.9	17.66
		288.0	52.4	9.95	56.7	11.78	61.8	13.73	67.2	15.48	69.2	15.82	71.9	16.23	73.9	16.52
		360.0	52.4	9.66	56.7	11.55	61.8	13.44	67.2	15.16	69.2	15.53	71.9	15.94	73.9	16.09
		432.0	52.4	9.51	56.7	11.43	61.8	13.29	67.2	15.00	69.2	15.39	71.9	15.80	73.9	15.87

7. Capacity tables

Cooling Capacity (30 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	115.2	52.4	12.77	56.7	14.85	61.8	17.28	67.2	19.46	69.2	19.87	71.9	20.40	73.9	20.72
		144.0	52.4	12.51	56.7	14.60	61.8	16.99	67.2	19.14	69.2	19.55	71.9	20.07	73.9	20.39
		288.0	52.4	11.49	56.7	13.61	61.8	15.85	67.2	17.89	69.2	18.27	71.9	18.76	73.9	19.08
		360.0	52.4	11.14	56.7	13.35	61.8	15.50	67.2	17.51	69.2	17.95	71.9	18.41	73.9	18.59
		432.0	52.4	10.97	56.7	13.22	61.8	15.33	67.2	17.32	69.2	17.79	71.9	18.24	73.9	18.34
70	10	115.2	45.9	2.76	49.7	3.22	54.1	3.72	58.8	4.19	60.6	4.35	62.9	4.47	64.6	4.48
		144.0	45.9	2.72	49.7	3.16	54.1	3.66	58.8	4.14	60.6	4.29	62.9	4.39	64.6	4.42
		288.0	45.9	2.52	49.7	2.94	54.1	3.44	58.8	3.92	60.6	4.00	62.9	4.12	64.6	4.17
		360.0	45.9	2.47	49.7	2.88	54.1	3.39	58.8	3.81	60.6	3.88	62.9	4.00	64.6	4.06
		432.0	45.9	2.44	49.7	2.85	54.1	3.36	58.8	3.74	60.6	3.83	62.9	3.94	64.6	4.00
	15	115.2	45.9	3.77	49.7	4.38	54.1	5.09	58.8	5.73	60.6	5.89	62.9	6.03	64.6	6.12
		144.0	45.9	3.69	49.7	4.31	54.1	5.00	58.8	5.64	60.6	5.79	62.9	5.93	64.6	6.02
		288.0	45.9	3.40	49.7	4.01	54.1	4.68	58.8	5.29	60.6	5.41	62.9	5.56	64.6	5.64
		360.0	45.9	3.32	49.7	3.93	54.1	4.60	58.8	5.18	60.6	5.29	62.9	5.44	64.6	5.50
		432.0	45.9	3.27	49.7	3.88	54.1	4.55	58.8	5.12	60.6	5.24	62.9	5.38	64.6	5.42
	20	115.2	45.9	4.67	49.7	5.41	54.1	6.30	58.8	7.10	60.6	7.24	62.9	7.42	64.6	7.58
		144.0	45.9	4.57	49.7	5.32	54.1	6.20	58.8	6.98	60.6	7.13	62.9	7.30	64.6	7.45
		288.0	45.9	4.19	49.7	4.97	54.1	5.79	58.8	6.52	60.6	6.66	62.9	6.84	64.6	6.95
		360.0	45.9	4.07	49.7	4.86	54.1	5.67	58.8	6.40	60.6	6.55	62.9	6.72	64.6	6.78
		432.0	45.9	4.01	49.7	4.80	54.1	5.61	58.8	6.34	60.6	6.49	62.9	6.66	64.6	6.69
	25	115.2	45.9	5.67	49.7	6.60	54.1	7.65	58.8	8.64	60.6	8.84	62.9	9.04	64.6	9.22
		144.0	45.9	5.56	49.7	6.49	54.1	7.53	58.8	8.49	60.6	8.70	62.9	8.90	64.6	9.08
		288.0	45.9	5.12	49.7	6.05	54.1	7.07	58.8	7.94	60.6	8.15	62.9	8.35	64.6	8.49
		360.0	45.9	4.97	49.7	5.93	54.1	6.92	58.8	7.80	60.6	7.97	62.9	8.17	64.6	8.26
		432.0	45.9	4.90	49.7	5.88	54.1	6.85	58.8	7.72	60.6	7.88	62.9	8.09	64.6	8.14
	30	115.2	45.9	6.98	49.7	8.10	54.1	9.44	58.8	10.62	60.6	10.88	62.9	11.14	64.6	11.36
		144.0	45.9	6.84	49.7	7.97	54.1	9.28	58.8	10.44	60.6	10.70	62.9	10.97	64.6	11.17
		288.0	45.9	6.28	49.7	7.45	54.1	8.67	58.8	9.77	60.6	10.01	62.9	10.27	64.6	10.44
		360.0	45.9	6.11	49.7	7.30	54.1	8.49	58.8	9.57	60.6	9.83	62.9	10.06	64.6	10.18
		432.0	45.9	6.02	49.7	7.23	54.1	8.41	58.8	9.47	60.6	9.74	62.9	9.96	64.6	10.05
	35	115.2	45.9	7.75	49.7	8.99	54.1	10.50	58.8	11.80	60.6	12.10	62.9	12.39	64.6	12.59
		144.0	45.9	7.59	49.7	8.84	54.1	10.33	58.8	11.61	60.6	11.90	62.9	12.19	64.6	12.39
		288.0	45.9	6.98	49.7	8.29	54.1	9.63	58.8	10.85	60.6	11.11	62.9	11.40	64.6	11.61
		360.0	45.9	6.78	49.7	8.09	54.1	9.45	58.8	10.65	60.6	10.91	62.9	11.20	64.6	11.32
		432.0	45.9	6.68	49.7	7.98	54.1	9.37	58.8	10.54	60.6	10.81	62.9	11.10	64.6	11.17
	40	115.2	45.9	9.18	49.7	10.64	54.1	12.42	58.8	13.99	60.6	14.31	62.9	14.66	64.6	14.92
		144.0	45.9	8.99	49.7	10.47	54.1	12.22	58.8	13.76	60.6	14.08	62.9	14.43	64.6	14.69
		288.0	45.9	8.26	49.7	9.80	54.1	11.43	58.8	12.86	60.6	13.18	62.9	13.50	64.6	13.76
		360.0	45.9	8.03	49.7	9.60	54.1	11.17	58.8	12.60	60.6	12.92	62.9	13.26	64.6	13.38
		432.0	45.9	7.91	49.7	9.50	54.1	11.04	58.8	12.46	60.6	12.78	62.9	13.15	64.6	13.19
	45	115.2	45.9	10.60	49.7	12.30	54.1	14.33	58.8	16.17	60.6	16.52	62.9	16.94	64.6	17.26
		144.0	45.9	10.38	49.7	12.10	54.1	14.11	58.8	15.91	60.6	16.26	62.9	16.67	64.6	16.99
		288.0	45.9	9.54	49.7	11.32	54.1	13.24	58.8	14.86	60.6	15.24	62.9	15.59	64.6	15.91
		360.0	45.9	9.28	49.7	11.11	54.1	12.89	58.8	14.54	60.6	14.92	62.9	15.33	64.6	15.45
		432.0	45.9	9.15	49.7	11.01	54.1	12.71	58.8	14.38	60.6	14.76	62.9	15.20	64.6	15.21
60	10	115.2	39.3	2.20	42.6	2.56	46.3	2.94	50.4	3.39	51.9	3.48	54.0	3.52	55.5	3.58
		144.0	39.3	2.15	42.6	2.52	46.3	2.91	50.4	3.33	51.9	3.42	54.0	3.47	55.5	3.52
		288.0	39.3	1.99	42.6	2.35	46.3	2.78	50.4	3.11	51.9	3.16	54.0	3.27	55.5	3.33
		360.0	39.3	1.90	42.6	2.33	46.3	2.72	50.4	3.05	51.9	3.11	54.0	3.19	55.5	3.24
		432.0	39.3	1.85	42.6	2.31	46.3	2.69	50.4	3.02	51.9	3.08	54.0	3.14	55.5	3.20
	15	115.2	39.3	3.00	42.6	3.49	46.3	4.04	50.4	4.58	51.9	4.71	54.0	4.79	55.5	4.87
		144.0	39.3	2.94	42.6	3.43	46.3	3.99	50.4	4.51	51.9	4.63	54.0	4.71	55.5	4.80
		288.0	39.3	2.71	42.6	3.20	46.3	3.75	50.4	4.22	51.9	4.31	54.0	4.42	55.5	4.51
		360.0	39.3	2.62	42.6	3.14	46.3	3.67	50.4	4.13	51.9	4.22	54.0	4.33	55.5	4.39
		432.0	39.3	2.57	42.6	3.11	46.3	3.62	50.4	4.09	51.9	4.17	54.0	4.29	55.5	4.33
	20	115.2	39.3	3.71	42.6	4.32	46.3	5.03	50.4	5.64	51.9	5.80	54.0	5.92	55.5	6.03
		144.0	39.3	3.64	42.6	4.25	46.3	4.95	50.4	5.56	51.9	5.70	54.0	5.82	55.5	5.93
		288.0	39.3	3.35	42.6	3.96	46.3	4.63	50.4	5.21	51.9	5.32	54.0	5.44	55.5	5.56
		360.0	39.3	3.26	42.6	3.87	46.3	4.51	50.4	5.09	51.9	5.21	54.0	5.35	55.5	5.41
		432.0	39.3	3.21	42.6	3.83	46.3	4.45	50.4	5.03	51.9	5.15	54.0	5.31	55.5	5.34
	25	115.2	39.3	4.51	42.6	5.27	46.3	6.12	50.4	6.89	51.9	7.04	54.0	7.21	55.5	7.36
		144.0	39.3	4.42	42.6	5.18	46.3	6.02	50.4	6.78	51.9	6.92	54.0	7.10	55.5	7.24
		288.0	39.3	4.07	42.6	4.83	46.3	5.61	50.4	6.34	51.9	6.49	54.0	6.66	55.5	6.78
		360.0	39.3	3.96	42.6	4.71	46.3	5.50	50.4	6.20	51.9	6.37	54.0	6.52	55.5	6.60
		432.0	39.3	3.90	42.6	4.65	46.3	5.44	50.4	6.12	51.9	6.31	54.0	6.44	55.5	6.52
	30	115.2	39.3	5.55	42.6	6.44	46.3	7.51	50.4	8.45	51.9	8.67	54.0	8.87	55.5	9.05
		144.0	39.3	5.44	42.6	6.34	46.3	7.39	50.4	8.32	51.9	8.52	54.0	8.73	55.5	8.90
		288.0	39.3	5.00	42.6	5.93	46.3	6.92	50.4	7.80	51.9	7.97	54.0	8.17	55.5	8.32
		360.0	39.3	4.86	42.6	5.82	46.3	6.78	50.4	7.65	51.9	7.83	54.0	8.03	55.5	8.12
		432.0	39.3	4.79	42.6	5.76	46.3	6.70	50.4	7.58	51.9	7.75	54.0	7.96	55.5	8.01
	35	115.2	39.3	6.18	42.6	7.19	46.3	8.38	50.4	9.40	51.9	9.64	54.0	9.88	55.5	10.05
		144.0	39.3	6.05	42.6	7.07	46.3	8.23	50.4	9.25	51.9	9.48	54.0	9.72	55.5	9.89
		288.0	39.3	5.56	42.6	6.60	46.3	7.68	50.4	8.67	51.9	8.87	54.0	9.08	55.5	9.25
		360.0	39.3	5.41	42.6	6.46	46.3	7.53	50.4	8.49	51.9	8.70	54.0	8.93	55.5	9.02
		432.0	39.3	5.34	42.6	6.38	46.3	7.46	50.4	8.41	51.9	8.61	54.0	8.86	55.5	8.90
	40	115.2	39.3	7.30	42.6	8.48	46.3	9.91	50.4	11.15	51.9	11.42	54.0	11.68	55.5	11.91
		144.0	39.3	7.16	42.6	8.35	46.3	9.74	50.4	10.97	51.9	11.23	54.0	11.49	55.5	11.72
		288.0	39.3	6.60	42.6	7.83	46.3	9.10	50.4	10.24	51.9	10.50	54.0	10.76	55.5	10.97
		360.0	39.3	6.40	42.6	7.65	46.3	8.93	50.4	10.04	51.9	10.30	54.0	10.56	55.5	10.68
		432.0	39.3	6.30	42.6	7.56	46.3	8.84	50.4	9.93	51.9	10.20	54.0	10.46	55.5	10.53

7. Capacity tables

Cooling Capacity (30 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	45	115.2	39.3	8.42	42.6	9.77	46.3	11.44	50.4	12.90	51.9	13.19	54.0	13.47	55.5	13.77
		144.0	39.3	8.26	42.6	9.63	46.3	11.26	50.4	12.68	51.9	12.97	54.0	13.26	55.5	13.56
		288.0	39.3	7.65	42.6	9.05	46.3	10.53	50.4	11.81	51.9	12.13	54.0	12.45	55.5	12.68
		360.0	39.3	7.39	42.6	8.84	46.3	10.33	50.4	11.58	51.9	11.90	54.0	12.19	55.5	12.33
		432.0	39.3	7.26	42.6	8.74	46.3	10.22	50.4	11.46	51.9	11.78	54.0	12.06	55.5	12.16
50	10	115.2	32.7	1.63	35.4	1.90	38.7	2.28	42.0	2.50	43.2	2.54	45.0	2.65	46.2	2.67
		144.0	32.7	1.60	35.4	1.88	38.7	2.24	42.0	2.46	43.2	2.52	45.0	2.60	46.2	2.63
		288.0	32.7	1.45	35.4	1.76	38.7	2.08	42.0	2.33	43.2	2.41	45.0	2.40	46.2	2.46
		360.0	32.7	1.43	35.4	1.77	38.7	2.02	42.0	2.27	43.2	2.30	45.0	2.38	46.2	2.37
		432.0	32.7	1.41	35.4	1.77	38.7	1.98	42.0	2.24	43.2	2.23	45.0	2.37	46.2	2.33
	15	115.2	32.7	2.23	35.4	2.60	38.7	3.05	42.0	3.40	43.2	3.49	45.0	3.58	46.2	3.64
		144.0	32.7	2.18	35.4	2.56	38.7	3.00	42.0	3.35	43.2	3.43	45.0	3.52	46.2	3.58
		288.0	32.7	2.01	35.4	2.39	38.7	2.79	42.0	3.14	43.2	3.23	45.0	3.29	46.2	3.35
		360.0	32.7	1.95	35.4	2.36	38.7	2.73	42.0	3.08	43.2	3.14	45.0	3.23	46.2	3.26
		432.0	32.7	1.92	35.4	2.34	38.7	2.71	42.0	3.05	43.2	3.10	45.0	3.20	46.2	3.21
	20	115.2	32.7	2.76	35.4	3.23	38.7	3.72	42.0	4.20	43.2	4.32	45.0	4.40	46.2	4.49
		144.0	32.7	2.71	35.4	3.17	38.7	3.67	42.0	4.13	43.2	4.25	45.0	4.33	46.2	4.42
		288.0	32.7	2.50	35.4	2.94	38.7	3.43	42.0	3.87	43.2	3.96	45.0	4.07	46.2	4.13
		360.0	32.7	2.41	35.4	2.88	38.7	3.37	42.0	3.81	43.2	3.90	45.0	3.99	46.2	4.04
		432.0	32.7	2.37	35.4	2.85	38.7	3.35	42.0	3.78	43.2	3.87	45.0	3.94	46.2	4.00
	25	115.2	32.7	3.36	35.4	3.90	38.7	4.55	42.0	5.15	43.2	5.27	45.0	5.38	46.2	5.47
		144.0	32.7	3.29	35.4	3.84	38.7	4.48	42.0	5.06	43.2	5.18	45.0	5.29	46.2	5.38
		288.0	32.7	3.03	35.4	3.61	38.7	4.19	42.0	4.71	43.2	4.83	45.0	4.95	46.2	5.06
		360.0	32.7	2.94	35.4	3.52	38.7	4.10	42.0	4.63	43.2	4.74	45.0	4.86	46.2	4.92
		432.0	32.7	2.89	35.4	3.48	38.7	4.06	42.0	4.58	43.2	4.70	45.0	4.81	46.2	4.84
	30	115.2	32.7	4.16	35.4	4.83	38.7	5.63	42.0	6.33	43.2	6.48	45.0	6.62	46.2	6.75
		144.0	32.7	4.07	35.4	4.74	38.7	5.53	42.0	6.23	43.2	6.37	45.0	6.52	46.2	6.63
		288.0	32.7	3.72	35.4	4.42	38.7	5.15	42.0	5.82	43.2	5.93	45.0	6.11	46.2	6.20
		360.0	32.7	3.64	35.4	4.33	38.7	5.06	42.0	5.70	43.2	5.85	45.0	5.99	46.2	6.05
		432.0	32.7	3.59	35.4	4.29	38.7	5.02	42.0	5.64	43.2	5.80	45.0	5.93	46.2	5.98
	35	115.2	32.7	4.60	35.4	5.35	38.7	6.24	42.0	7.01	43.2	7.19	45.0	7.36	46.2	7.48
		144.0	32.7	4.51	35.4	5.27	38.7	6.14	42.0	6.89	43.2	7.07	45.0	7.24	46.2	7.36
		288.0	32.7	4.16	35.4	4.92	38.7	5.73	42.0	6.46	43.2	6.60	45.0	6.78	46.2	6.89
		360.0	32.7	4.04	35.4	4.83	38.7	5.61	42.0	6.34	43.2	6.49	45.0	6.66	46.2	6.72
		432.0	32.7	3.99	35.4	4.79	38.7	5.56	42.0	6.28	43.2	6.43	45.0	6.60	46.2	6.63
	40	115.2	32.7	5.47	35.4	6.33	38.7	7.40	42.0	8.31	43.2	8.52	45.0	8.72	46.2	8.87
		144.0	32.7	5.35	35.4	6.23	38.7	7.27	42.0	8.17	43.2	8.38	45.0	8.58	46.2	8.73
		288.0	32.7	4.92	35.4	5.82	38.7	6.78	42.0	7.65	43.2	7.83	45.0	8.03	46.2	8.17
		360.0	32.7	4.77	35.4	5.70	38.7	6.66	42.0	7.51	43.2	7.68	45.0	7.88	46.2	7.94
		432.0	32.7	4.70	35.4	5.64	38.7	6.60	42.0	7.43	43.2	7.61	45.0	7.81	46.2	7.82
	45	115.2	32.7	6.33	35.4	7.30	38.7	8.55	42.0	9.61	43.2	9.85	45.0	10.08	46.2	10.25
		144.0	32.7	6.20	35.4	7.19	38.7	8.41	42.0	9.45	43.2	9.69	45.0	9.92	46.2	10.09
		288.0	32.7	5.67	35.4	6.72	38.7	7.83	42.0	8.84	43.2	9.05	45.0	9.28	46.2	9.45
		360.0	32.7	5.50	35.4	6.57	38.7	7.71	42.0	8.67	43.2	8.87	45.0	9.10	46.2	9.16
		432.0	32.7	5.41	35.4	6.50	38.7	7.65	42.0	8.58	43.2	8.78	45.0	9.02	46.2	9.02

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB340LAS4

Cooling Capacity (34 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (34 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (34 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (34 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (34 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB400LAS4

Cooling Capacity (40 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (40 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (40 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (40 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (40 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

7.1.3 3 Units Combination

◆ ARWB420LAS4

Cooling Capacity (42 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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	7.69	118.4	9.00	128.9	10.49	140.1	11.78	144.3	12.06	149.9	12.39	154.1	12.57
		202.0	109.3	7.55	118.4	8.84	128.9	10.32	140.1	11.59	144.3	11.87	149.9	12.20	154.1	12.40
		404.0	109.3	6.99	118.4	8.25	128.9	9.63	140.1	10.84	144.3	11.12	149.9	11.40	154.1	11.65
		505.1	109.3	6.79	118.4	8.09	128.9	9.44	140.1	10.60	144.3	10.91	149.9	11.17	154.1	11.36
		606.0	109.3	6.69	118.4	8.01	128.9	9.35	140.1	10.48	144.3	10.80	149.9	11.06	154.1	11.21
	15	161.6	107.6	10.14	116.5	11.81	126.9	13.76	137.9	15.47	141.9	15.84	147.5	16.25	151.7	16.51
		202.0	107.6	9.94	116.5	11.61	126.9	13.53	137.9	15.22	141.9	15.59	147.5	15.98	151.7	16.27
		404.0	107.6	9.16	116.5	10.85	126.9	12.64	137.9	14.23	141.9	14.60	147.5	14.98	151.7	15.29
		505.1	107.6	8.91	116.5	10.62	126.9	12.39	137.9	13.95	141.9	14.31	147.5	14.67	151.7	14.93
		606.0	107.6	8.78	116.5	10.52	126.9	12.27	137.9	13.80	141.9	14.17	147.5	14.53	151.7	14.76
	20	161.6	106.0	12.31	114.8	14.30	125.0	16.66	135.9	18.76	140.0	19.20	145.4	19.65	149.5	20.02
		202.0	106.0	12.06	114.8	14.07	125.0	16.39	135.9	18.45	140.0	18.89	145.4	19.35	149.5	19.70
		404.0	106.0	11.09	114.8	13.16	125.0	15.33	135.9	17.26	140.0	17.68	145.4	18.16	149.5	18.52
		505.1	106.0	10.80	114.8	12.88	125.0	15.01	135.9	16.92	140.0	17.34	145.4	17.79	149.5	18.11
		606.0	106.0	10.65	114.8	12.74	125.0	14.85	135.9	16.75	140.0	17.17	145.4	17.61	149.5	17.91
	25	161.6	106.0	15.19	114.8	17.63	125.0	20.54	135.9	23.15	140.0	23.68	145.4	24.26	149.5	24.67
		202.0	106.0	14.89	114.8	17.34	125.0	20.20	135.9	22.77	140.0	23.30	145.4	23.89	149.5	24.30
		404.0	106.0	13.70	114.8	16.23	125.0	18.89	135.9	21.28	140.0	21.81	145.4	22.39	149.5	22.83
		505.1	106.0	13.30	114.8	15.87	125.0	18.51	135.9	20.87	140.0	21.40	145.4	21.96	149.5	22.32
		606.0	106.0	13.11	114.8	15.70	125.0	18.33	135.9	20.65	140.0	21.20	145.4	21.75	149.5	22.08
	30	161.6	106.0	18.23	114.8	21.16	125.0	24.64	135.9	27.77	140.0	28.42	145.4	29.11	149.5	29.61
		202.0	106.0	17.86	114.8	20.82	125.0	24.25	135.9	27.32	140.0	27.97	145.4	28.66	149.5	29.16
		404.0	106.0	16.40	114.8	19.46	125.0	22.68	135.9	25.53	140.0	26.17	145.4	26.86	149.5	27.40
		505.1	106.0	15.95	114.8	19.05	125.0	22.22	135.9	25.03	140.0	25.68	145.4	26.34	149.5	26.79
		606.0	106.0	15.73	114.8	18.85	125.0	21.98	135.9	24.79	140.0	25.44	145.4	26.08	149.5	26.48
	35	161.6	95.4	18.42	103.3	21.40	112.4	24.94	122.3	28.07	126.0	28.75	130.8	29.44	134.5	29.94
		202.0	95.4	18.04	103.3	21.06	112.4	24.53	122.3	27.61	126.0	28.28	130.8	28.99	134.5	29.48
		404.0	95.4	16.60	103.3	19.68	112.4	22.94	122.3	25.83	126.0	26.47	130.8	27.16	134.5	27.72
		505.1	95.4	16.14	103.3	19.26	112.4	22.46	122.3	25.31	126.0	25.97	130.8	26.63	134.5	27.08
		606.0	95.4	15.91	103.3	19.05	112.4	22.22	122.3	25.05	126.0	25.72	130.8	26.37	134.5	26.77
	40	161.6	84.8	19.44	91.8	22.57	99.9	26.30	108.6	29.60	111.9	30.29	116.4	31.02	119.6	31.60
		202.0	84.8	19.05	91.8	22.21	99.9	25.88	108.6	29.13	111.9	29.82	116.4	30.55	119.6	31.13
		404.0	84.8	17.51	91.8	20.77	99.9	24.21	108.6	27.24	111.9	27.92	116.4	28.66	119.6	29.23
		505.1	84.8	17.02	91.8	20.32	99.9	23.68	108.6	26.70	111.9	27.39	116.4	28.10	119.6	28.58
		606.0	84.8	16.77	91.8	20.09	99.9	23.42	108.6	26.44	111.9	27.13	116.4	27.82	119.6	28.25
	45	161.6	74.1	20.48	80.4	23.72	87.4	27.66	95.1	31.16	98.0	31.85	101.7	32.61	104.6	33.26
		202.0	74.1	20.06	80.4	23.35	87.4	27.22	95.1	30.65	98.0	31.35	101.7	32.11	104.6	32.76
		404.0	74.1	18.41	80.4	21.85	87.4	25.47	95.1	28.65	98.0	29.38	101.7	30.17	104.6	30.75
		505.1	74.1	17.89	80.4	21.38	87.4	24.90	95.1	28.09	98.0	28.82	101.7	29.56	104.6	30.07
		606.0	74.1	17.63	80.4	21.14	87.4	24.62	95.1	27.81	98.0	28.55	101.7	29.26	104.6	29.73
120	10	161.6	103.5	7.34	111.9	8.53	122.0	9.91	132.6	11.16	136.5	11.48	141.9	11.75	145.9	11.93
		202.0	103.5	7.18	111.9	8.38	122.0	9.76	132.6	10.99	136.5	11.28	141.9	11.56	145.9	11.73
		404.0	103.5	6.58	111.9	7.83	122.0	9.14	132.6	10.27	136.5	10.50	141.9	10.79	145.9	11.01
		505.1	103.5	6.41	111.9	7.62	122.0	8.95	132.6	10.05	136.5	10.32	141.9	10.60	145.9	10.77
		606.0	103.5	6.33	111.9	7.51	122.0	8.85	132.6	9.94	136.5	10.24	141.9	10.50	145.9	10.66
	15	161.6	102.3	9.73	110.7	11.30	120.7	13.14	131.1	14.81	135.0	15.17	140.3	15.53	144.3	15.80
		202.0	102.3	9.53	110.7	11.11	120.7	12.93	131.1	14.57	135.0	14.92	140.3	15.29	144.3	15.55
		404.0	102.3	8.74	110.7	10.38	120.7	12.10	131.1	13.62	135.0	13.95	140.3	14.31	144.3	14.60
		505.1	102.3	8.51	110.7	10.14	120.7	11.85	131.1	13.34	135.0	13.70	140.3	14.04	144.3	14.26
		606.0	102.3	8.39	110.7	10.02	120.7	11.73	131.1	13.21	135.0	13.57	140.3	13.91	144.3	14.10
	20	161.6	101.2	11.85	109.6	13.76	119.4	16.02	129.8	18.04	133.6	18.45	138.8	18.90	142.8	19.23
		202.0	101.2	11.61	109.6	13.53	119.4	15.76	129.8	17.75	133.6	18.16	138.8	18.61	142.8	18.94
		404.0	101.2	10.67	109.6	12.64	119.4	14.72	129.8	16.60	133.6	17.01	138.8	17.45	142.8	17.78
		505.1	101.2	10.38	109.6	12.39	119.4	14.43	129.8	16.28	133.6	16.69	138.8	17.10	142.8	17.37
		606.0	101.2	10.24	109.6	12.27	119.4	14.29	129.8	16.11	133.6	16.53	138.8	16.93	142.8	17.17
	25	161.6	101.2	14.55	109.6	16.91	119.4	19.70	129.8	22.16	133.6	22.70	138.8	23.25	142.8	23.67
		202.0	101.2	14.26	109.6	16.63	119.4	19.37	129.8	21.81	133.6	22.32	138.8	22.89	142.8	23.30
		404.0	101.2	13.12	109.6	15.54	119.4	18.11	129.8	20.40	133.6	20.89	138.8	21.43	142.8	21.86
		505.1	101.2	12.76	109.6	15.21	119.4	17.75	129.8	19.99	133.6	20.50	138.8	21.02	142.8	21.35
		606.0	101.2	12.57	109.6	15.05	119.4	17.56	129.8	19.78	133.6	20.30	138.8	20.82	142.8	21.08
	30	161.6	101.2	17.57	109.6	20.44	119.4	23.81	129.8	26.80	133.6	27.44	138.8	28.12	142.8	28.61
		202.0	101.2	17.22	109.6	20.12	119.4	23.43	129.8	26.37	133.6	27.00	138.8	27.68	142.8	28.17
		404.0	101.2	15.87	109.6	18.80	119.4	21.88	129.8	24.67	133.6	25.26	138.8	25.92	142.8	26.43
		505.1	101.2	15.41	109.6	18.40	119.4	21.43	129.8	24.17	133.6	24.79	138.8	25.43	142.8	25.81
		606.0	101.2	15.19	109.6	18.19	119.4	21.22	129.8	23.92	133.6	24.55	138.8	25.19	142.8	25.50
	35	161.6	92.6	18.02	100.3	20.95	109.2	24.39	118.7	27.48	122.3	28.13	127.1	28.81	130.7	29.32
		202.0	92.6	17.66	100.3	20.61	109.2	23.99	118.7	27.03	122.3	27.69	127.1	28.35	130.7	28.87
		404.0	92.6	16.24	100.3	19.26	109.2	22.44	118.7	25.27	122.3	25.89	127.1	26.58	130.7	27.07
		505.1	92.6	15.80	100.3	18.86	109.2	21.99	118.7	24.78	122.3	25.40	127.1	26.06	130.7	26.45
		606.0	92.6	15.57	100.3	18.65	109.2	21.76	118.7	24.53	122.3	25.16	127.1	25.79	130.7	26.13

7. Capacity tables

Cooling Capacity (42 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	40	161.6	84.0	19.41	90.9	22.53	99.1	26.26	107.7	29.55	110.9	30.27	115.3	31.00	118.5	31.56
		202.0	84.0	19.01	90.9	22.17	99.1	25.84	107.7	29.08	110.9	29.78	115.3	30.51	118.5	31.08
		404.0	84.0	17.50	90.9	20.73	99.1	24.16	107.7	27.20	110.9	27.85	115.3	28.59	118.5	29.15
		505.1	84.0	17.01	90.9	20.29	99.1	23.67	107.7	26.66	110.9	27.35	115.3	28.05	118.5	28.47
		606.0	84.0	16.76	90.9	20.07	99.1	23.42	107.7	26.39	110.9	27.09	115.3	27.78	118.5	28.12
	45	161.6	75.5	20.78	81.7	24.12	89.0	28.13	96.7	31.65	99.6	32.39	103.5	33.20	106.3	33.79
		202.0	75.5	20.37	81.7	23.73	89.0	27.68	96.7	31.13	99.6	31.87	103.5	32.67	106.3	33.28
		404.0	75.5	18.75	81.7	22.21	89.0	25.88	96.7	29.12	99.6	29.82	103.5	30.60	106.3	31.22
		505.1	75.5	18.22	81.7	21.73	89.0	25.35	96.7	28.55	99.6	29.29	103.5	30.05	106.3	30.48
		606.0	75.5	17.95	81.7	21.48	89.0	25.09	96.7	28.27	99.6	29.04	103.5	29.78	106.3	30.11
110	10	161.6	97.7	6.92	105.7	8.03	115.1	9.36	125.0	10.53	128.7	10.77	133.9	11.07	137.5	11.25
		202.0	97.7	6.79	105.7	7.89	115.1	9.21	125.0	10.36	128.7	10.60	133.9	10.89	137.5	11.08
		404.0	97.7	6.24	105.7	7.37	115.1	8.60	125.0	9.69	128.7	9.97	133.9	10.19	137.5	10.37
		505.1	97.7	6.06	105.7	7.23	115.1	8.40	125.0	9.54	128.7	9.72	133.9	10.00	137.5	10.13
		606.0	97.7	5.98	105.7	7.15	115.1	8.30	125.0	9.46	128.7	9.60	133.9	9.90	137.5	10.01
	15	161.6	97.0	9.27	105.0	10.77	114.4	12.54	124.4	14.13	128.1	14.45	133.1	14.83	136.7	15.09
		202.0	97.0	9.09	105.0	10.60	114.4	12.34	124.4	13.90	128.1	14.22	133.1	14.59	136.7	14.85
		404.0	97.0	8.35	105.0	9.90	114.4	11.55	124.4	13.00	128.1	13.33	133.1	13.66	136.7	13.91
		505.1	97.0	8.13	105.0	9.69	114.4	11.29	124.4	12.76	128.1	13.05	133.1	13.40	136.7	13.57
		606.0	97.0	8.02	105.0	9.59	114.4	11.16	124.4	12.64	128.1	12.92	133.1	13.27	136.7	13.40
	20	161.6	96.5	11.36	104.5	13.22	113.8	15.37	123.7	17.33	127.5	17.74	132.3	18.16	136.1	18.49
		202.0	96.5	11.13	104.5	13.00	113.8	15.13	123.7	17.05	127.5	17.45	132.3	17.87	136.1	18.20
		404.0	96.5	10.24	104.5	12.14	113.8	14.16	123.7	15.93	127.5	16.32	132.3	16.73	136.1	17.06
		505.1	96.5	9.97	104.5	11.89	113.8	13.85	123.7	15.62	127.5	16.02	132.3	16.43	136.1	16.63
		606.0	96.5	9.83	104.5	11.77	113.8	13.71	123.7	15.46	127.5	15.88	132.3	16.29	136.1	16.42
	25	161.6	96.5	13.89	104.5	16.17	113.8	18.83	123.7	21.21	127.5	21.69	132.3	22.22	136.1	22.63
		202.0	96.5	13.63	104.5	15.90	113.8	18.52	123.7	20.87	127.5	21.35	132.3	21.87	136.1	22.28
		404.0	96.5	12.54	104.5	14.88	113.8	17.33	123.7	19.51	127.5	19.99	132.3	20.50	136.1	20.89
		505.1	96.5	12.19	104.5	14.56	113.8	16.97	123.7	19.13	127.5	19.60	132.3	20.12	136.1	20.36
		606.0	96.5	12.01	104.5	14.40	113.8	16.79	123.7	18.93	127.5	19.40	132.3	19.92	136.1	20.10
	30	161.6	96.5	16.94	104.5	19.72	113.8	22.95	123.7	25.86	127.5	26.47	132.3	27.10	136.1	27.59
		202.0	96.5	16.61	104.5	19.39	113.8	22.58	123.7	25.43	127.5	26.05	132.3	26.67	136.1	27.16
		404.0	96.5	15.29	104.5	18.12	113.8	21.11	123.7	23.77	127.5	24.37	132.3	24.98	136.1	25.44
		505.1	96.5	14.88	104.5	17.75	113.8	20.68	123.7	23.31	127.5	23.89	132.3	24.50	136.1	24.82
		606.0	96.5	14.67	104.5	17.56	113.8	20.47	123.7	23.08	127.5	23.65	132.3	24.26	136.1	24.51
	35	161.6	89.9	17.63	97.3	20.49	106.0	23.86	115.3	26.88	118.7	27.51	123.3	28.18	126.7	28.70
		202.0	89.9	17.29	97.3	20.16	106.0	23.48	115.3	26.45	118.7	27.07	123.3	27.74	126.7	28.25
		404.0	89.9	15.90	97.3	18.85	106.0	21.96	115.3	24.73	118.7	25.32	123.3	25.97	126.7	26.46
		505.1	89.9	15.46	97.3	18.45	106.0	21.50	115.3	24.24	118.7	24.85	123.3	25.48	126.7	25.81
		606.0	89.9	15.24	97.3	18.24	106.0	21.27	115.3	24.00	118.7	24.62	123.3	25.24	126.7	25.49
	40	161.6	83.3	19.38	90.3	22.52	98.2	26.22	106.8	29.50	110.0	30.22	114.3	30.95	117.4	31.52
		202.0	83.3	18.98	90.3	22.15	98.2	25.80	106.8	29.04	110.0	29.73	114.3	30.46	117.4	31.03
		404.0	83.3	17.46	90.3	20.70	98.2	24.12	106.8	27.16	110.0	27.80	114.3	28.54	117.4	29.07
		505.1	83.3	16.97	90.3	20.25	98.2	23.63	106.8	26.62	110.0	27.31	114.3	28.01	117.4	28.34
		606.0	83.3	16.72	90.3	20.02	98.2	23.39	106.8	26.36	110.0	27.05	114.3	27.74	117.4	27.98
	45	161.6	76.7	21.10	83.1	24.54	90.5	28.60	98.3	32.14	101.3	32.93	105.3	33.73	108.1	34.34
		202.0	76.7	20.68	83.1	24.14	90.5	28.13	98.3	31.62	101.3	32.40	105.3	33.20	108.1	33.80
		404.0	76.7	19.01	83.1	22.56	90.5	26.28	98.3	29.59	101.3	30.30	105.3	31.12	108.1	31.69
		505.1	76.7	18.48	83.1	22.06	90.5	25.76	98.3	29.01	101.3	29.75	105.3	30.53	108.1	30.88
		606.0	76.7	18.21	83.1	21.82	90.5	25.50	98.3	28.72	101.3	29.49	105.3	30.24	108.1	30.47
100	10	161.6	91.8	6.53	99.3	7.60	108.2	8.78	117.6	9.94	121.2	10.13	125.8	10.45	129.3	10.62
		202.0	91.8	6.40	99.3	7.47	108.2	8.64	117.6	9.78	121.2	9.98	125.8	10.26	129.3	10.44
		404.0	91.8	5.89	99.3	6.96	108.2	8.10	117.6	9.17	121.2	9.37	125.8	9.59	129.3	9.76
		505.1	91.8	5.70	99.3	6.80	108.2	7.94	117.6	8.95	121.2	9.17	125.8	9.40	129.3	9.50
		606.0	91.8	5.61	99.3	6.72	108.2	7.86	117.6	8.84	121.2	9.07	125.8	9.30	129.3	9.36
	15	161.6	91.8	8.85	99.3	10.26	108.2	11.94	117.6	13.46	121.2	13.77	125.8	14.13	129.3	14.38
		202.0	91.8	8.67	99.3	10.10	108.2	11.75	117.6	13.24	121.2	13.54	125.8	13.90	129.3	14.15
		404.0	91.8	7.97	99.3	9.44	108.2	10.99	117.6	12.39	121.2	12.68	125.8	13.00	129.3	13.24
		505.1	91.8	7.74	99.3	9.23	108.2	10.77	117.6	12.13	121.2	12.44	125.8	12.76	129.3	12.89
		606.0	91.8	7.62	99.3	9.14	108.2	10.65	117.6	12.01	121.2	12.31	125.8	12.64	129.3	12.71
	20	161.6	91.8	10.89	99.3	12.64	108.2	14.75	117.6	16.59	121.2	16.99	125.8	17.41	129.3	17.72
		202.0	91.8	10.67	99.3	12.44	108.2	14.51	117.6	16.32	121.2	16.72	125.8	17.13	129.3	17.43
		404.0	91.8	9.82	99.3	11.65	108.2	13.56	117.6	15.26	121.2	15.62	125.8	16.03	129.3	16.32
		505.1	91.8	9.54	99.3	11.40	108.2	13.28	117.6	14.97	121.2	15.34	125.8	15.74	129.3	15.90
		606.0	91.8	9.40	99.3	11.28	108.2	13.14	117.6	14.82	121.2	15.19	125.8	15.59	129.3	15.69
	25	161.6	91.8	13.27	99.3	15.42	108.2	17.97	117.6	20.25	121.2	20.74	125.8	21.23	129.3	21.62
		202.0	91.8	13.00	99.3	15.17	108.2	17.68	117.6	19.92	121.2	20.40	125.8	20.89	129.3	21.27
		404.0	91.8	11.98	99.3	14.19	108.2	16.53	117.6	18.61	121.2	19.06	125.8	19.55	129.3	19.91
		505.1	91.8	11.65	99.3	13.90	108.2	16.19	117.6	18.25	121.2	18.70	125.8	19.19	129.3	19.38
		606.0	91.8	11.48	99.3	13.76	108.2	16.02	117.6	18.06	121.2	18.51	125.8	19.00	129.3	19.12
	30	161.6	91.8	16.33	99.3	18.99	108.2	22.12	117.6	24.90	121.2	25.49	125.8	26.10	129.3	26.60
		202.0	91.8	16.00	99.3	18.69	108.2	21.76	117.6	24.49	121.2	25.08	125.8	25.68	129.3	26.16
		404.0	91.8	14.72	99.3	17.46	108.2	20.33	117.6	22.90	121.2	23.44	125.8	24.04	129.3	24.48
		505.1	91.8	14.31	99.3	17.09	108.2	19.92	117.6	22.45	121.2	23.02	125.8	23.59	129.3	23.84
		606.0	91.8	14.11	99.3	16.91	108.2	19.71	117.6	22.22	121.2	22.80	125.8	23.37	129.3	23.52

7. Capacity tables

Cooling Capacity (42 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	35	161.6	87.1	17.24	94.5	20.03	102.8	23.32	111.7	26.27	115.1	26.90	119.6	27.54	122.9	28.05
		202.0	87.1	16.89	94.5	19.70	102.8	22.95	111.7	25.85	115.1	26.47	119.6	27.11	122.9	27.60
		404.0	87.1	15.54	94.5	18.44	102.8	21.46	111.7	24.17	115.1	24.75	119.6	25.39	122.9	25.84
		505.1	87.1	15.12	94.5	18.03	102.8	21.02	111.7	23.71	115.1	24.29	119.6	24.91	122.9	25.16
		606.0	87.1	14.91	94.5	17.84	102.8	20.80	111.7	23.48	115.1	24.06	119.6	24.67	122.9	24.81
	40	161.6	82.5	19.35	89.4	22.49	97.3	26.19	105.9	29.48	109.0	30.18	113.4	30.92	116.4	31.45
		202.0	82.5	18.96	89.4	22.12	97.3	25.76	105.9	29.00	109.0	29.70	113.4	30.42	116.4	30.96
		404.0	82.5	17.43	89.4	20.67	97.3	24.08	105.9	27.11	109.0	27.77	113.4	28.47	116.4	28.99
		505.1	82.5	16.96	89.4	20.23	97.3	23.58	105.9	26.59	109.0	27.25	113.4	27.94	116.4	28.22
		606.0	82.5	16.73	89.4	20.02	97.3	23.34	105.9	26.33	109.0	26.99	113.4	27.68	116.4	27.84
	45	161.6	77.9	21.46	84.4	24.94	91.9	29.05	99.9	32.69	103.0	33.46	107.0	34.29	110.0	34.87
		202.0	77.9	21.03	84.4	24.53	91.9	28.58	99.9	32.15	103.0	32.92	107.0	33.74	110.0	34.32
		404.0	77.9	19.31	84.4	22.92	91.9	26.70	99.9	30.06	103.0	30.78	107.0	31.55	110.0	32.14
		505.1	77.9	18.80	84.4	22.43	91.9	26.14	99.9	29.46	103.0	30.20	107.0	30.97	110.0	31.29
		606.0	77.9	18.55	84.4	22.19	91.9	25.87	99.9	29.18	103.0	29.92	107.0	30.68	110.0	30.87
90	10	161.6	82.5	5.59	89.4	6.49	97.3	7.54	105.9	8.55	109.0	8.73	113.4	8.91	116.4	9.16
		202.0	82.5	5.48	89.4	6.39	97.3	7.44	105.9	8.42	109.0	8.58	113.4	8.79	116.4	9.01
		404.0	82.5	5.06	89.4	6.01	97.3	6.99	105.9	7.88	109.0	8.06	113.4	8.28	116.4	8.42
		505.1	82.5	4.92	89.4	5.85	97.3	6.84	105.9	7.68	109.0	7.90	113.4	8.14	116.4	8.15
		606.0	82.5	4.84	89.4	5.75	97.3	6.76	105.9	7.57	109.0	7.82	113.4	8.05	116.4	8.01
	15	161.6	82.5	7.59	89.4	8.83	97.3	10.27	105.9	11.59	109.0	11.85	113.4	12.13	116.4	12.39
		202.0	82.5	7.44	89.4	8.69	97.3	10.11	105.9	11.40	109.0	11.66	113.4	11.95	116.4	12.18
		404.0	82.5	6.86	89.4	8.13	97.3	9.46	105.9	10.66	109.0	10.91	113.4	11.20	116.4	11.40
		505.1	82.5	6.66	89.4	7.94	97.3	9.27	105.9	10.43	109.0	10.71	113.4	10.99	116.4	11.09
		606.0	82.5	6.57	89.4	7.85	97.3	9.18	105.9	10.33	109.0	10.61	113.4	10.88	116.4	10.92
	20	161.6	82.5	9.38	89.4	10.90	97.3	12.69	105.9	14.30	109.0	14.63	113.4	14.99	116.4	15.25
		202.0	82.5	9.18	89.4	10.72	97.3	12.49	105.9	14.06	109.0	14.39	113.4	14.75	116.4	15.01
		404.0	82.5	8.46	89.4	10.01	97.3	11.66	105.9	13.13	109.0	13.46	113.4	13.78	116.4	14.06
		505.1	82.5	8.23	89.4	9.81	97.3	11.44	105.9	12.89	109.0	13.21	113.4	13.53	116.4	13.70
		606.0	82.5	8.11	89.4	9.70	97.3	11.33	105.9	12.77	109.0	13.08	113.4	13.41	116.4	13.51
	25	161.6	82.5	11.42	89.4	13.30	97.3	15.46	105.9	17.42	109.0	17.83	113.4	18.28	116.4	18.61
		202.0	82.5	11.20	89.4	13.07	97.3	15.21	105.9	17.14	109.0	17.54	113.4	17.99	116.4	18.31
		404.0	82.5	10.31	89.4	12.22	97.3	14.22	105.9	16.03	109.0	16.40	113.4	16.83	116.4	17.13
		505.1	82.5	10.01	89.4	11.95	97.3	13.95	105.9	15.71	109.0	16.10	113.4	16.52	116.4	16.69
		606.0	82.5	9.87	89.4	11.81	97.3	13.81	105.9	15.55	109.0	15.95	113.4	16.35	116.4	16.47
	30	161.6	82.5	14.06	89.4	16.35	97.3	19.03	105.9	21.44	109.0	21.93	113.4	22.49	116.4	22.89
		202.0	82.5	13.77	89.4	16.08	97.3	18.73	105.9	21.09	109.0	21.59	113.4	22.12	116.4	22.53
		404.0	82.5	12.67	89.4	15.02	97.3	17.51	105.9	19.70	109.0	20.19	113.4	20.69	116.4	21.07
		505.1	82.5	12.32	89.4	14.71	97.3	17.14	105.9	19.33	109.0	19.80	113.4	20.32	116.4	20.52
		606.0	82.5	12.15	89.4	14.57	97.3	16.96	105.9	19.15	109.0	19.60	113.4	20.14	116.4	20.24
	35	161.6	80.3	15.18	87.0	17.62	94.7	20.53	102.9	23.11	106.0	23.66	110.1	24.23	113.2	24.67
		202.0	80.3	14.88	87.0	17.33	94.7	20.19	102.9	22.74	106.0	23.27	110.1	23.85	113.2	24.29
		404.0	80.3	13.67	87.0	16.21	94.7	18.89	102.9	21.27	106.0	21.77	110.1	22.32	113.2	22.74
		505.1	80.3	13.29	87.0	15.87	94.7	18.48	102.9	20.86	106.0	21.38	110.1	21.91	113.2	22.13
		606.0	80.3	13.10	87.0	15.71	94.7	18.29	102.9	20.65	106.0	21.19	110.1	21.71	113.2	21.83
	40	161.6	77.9	17.43	84.4	20.25	92.0	23.58	99.9	26.56	103.0	27.18	107.0	27.85	109.9	28.34
		202.0	77.9	17.08	84.4	19.92	92.0	23.20	99.9	26.12	103.0	26.75	107.0	27.40	109.9	27.89
		404.0	77.9	15.71	84.4	18.62	92.0	21.71	99.9	24.42	103.0	25.02	107.0	25.64	109.9	26.12
		505.1	77.9	15.26	84.4	18.23	92.0	21.26	99.9	23.96	103.0	24.54	107.0	25.19	109.9	25.43
		606.0	77.9	15.03	84.4	18.04	92.0	21.03	99.9	23.72	103.0	24.30	107.0	24.95	109.9	25.08
	45	161.6	75.6	19.67	82.0	22.86	89.3	26.62	97.0	30.01	99.9	30.71	103.8	31.46	106.8	31.99
		202.0	75.6	19.29	82.0	22.50	89.3	26.20	97.0	29.51	99.9	30.22	103.8	30.96	106.8	31.50
		404.0	75.6	17.75	82.0	21.03	89.3	24.52	97.0	27.57	99.9	28.28	103.8	28.97	106.8	29.51
		505.1	75.6	17.23	82.0	20.59	89.3	24.02	97.0	27.05	99.9	27.71	103.8	28.45	106.8	28.74
		606.0	75.6	16.97	82.0	20.36	89.3	23.78	97.0	26.79	99.9	27.42	103.8	28.19	106.8	28.35
80	10	161.6	73.4	4.73	79.5	5.43	86.6	6.33	94.1	7.20	96.8	7.31	100.7	7.53	103.5	7.61
		202.0	73.4	4.63	79.5	5.36	86.6	6.23	94.1	7.08	96.8	7.21	100.7	7.41	103.5	7.49
		404.0	73.4	4.23	79.5	5.06	86.6	5.86	94.1	6.57	96.8	6.76	100.7	6.89	103.5	7.01
		505.1	73.4	4.14	79.5	4.92	86.6	5.74	94.1	6.46	96.8	6.58	100.7	6.79	103.5	6.86
		606.0	73.4	4.10	79.5	4.83	86.6	5.69	94.1	6.39	96.8	6.51	100.7	6.74	103.5	6.77
	15	161.6	73.4	6.38	79.5	7.41	86.6	8.61	94.1	9.72	96.8	9.95	100.7	10.19	103.5	10.36
		202.0	73.4	6.25	79.5	7.28	86.6	8.47	94.1	9.56	96.8	9.78	100.7	10.02	103.5	10.19
		404.0	73.4	5.74	79.5	6.82	86.6	7.93	94.1	8.93	96.8	9.15	100.7	9.37	103.5	9.54
		505.1	73.4	5.60	79.5	6.66	86.6	7.77	94.1	8.75	96.8	8.96	100.7	9.20	103.5	9.29
		606.0	73.4	5.53	79.5	6.58	86.6	7.69	94.1	8.68	96.8	8.87	100.7	9.13	103.5	9.17
	20	161.6	73.4	7.85	79.5	9.14	86.6	10.64	94.1	11.97	96.8	12.27	100.7	12.55	103.5	12.80
		202.0	73.4	7.70	79.5	8.99	86.6	10.46	94.1	11.78	96.8	12.07	100.7	12.35	103.5	12.59
		404.0	73.4	7.07	79.5	8.39	86.6	9.78	94.1	11.01	96.8	11.28	100.7	11.57	103.5	11.78
		505.1	73.4	6.88	79.5	8.23	86.6	9.57	94.1	10.80	96.8	11.08	100.7	11.35	103.5	11.46
		606.0	73.4	6.78	79.5	8.13	86.6	9.47	94.1	10.70	96.8	10.97	100.7	11.24	103.5	11.30
	25	161.6	73.4	9.59	79.5	11.13	86.6	12.96	94.1	14.59	96.8	14.95	100.7	15.33	103.5	15.59
		202.0	73.4	9.40	79.5	10.95	86.6	12.76	94.1	14.36	96.8	14.71	100.7	15.08	103.5	15.35
		404.0	73.4	8.64	79.5	10.24	86.6	11.93	94.1	13.44	96.8	13.75	100.7	14.11	103.5	14.36
		505.1	73.4	8.39	79.5	10.02	86.6	11.69	94.1	13.17	96.8	13.49	100.7	13.85	103.5	13.98
		606.0	73.4	8.27	79.5	9.92	86.6	11.58	94.1	13.03	96.8	13.37	100.7	13.73	103.5	13.80

7. Capacity tables

Cooling Capacity (42 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	30	161.6	73.4	11.78	79.5	13.69	86.6	15.96	94.1	17.96	96.8	18.37	100.7	18.82	103.5	19.19
		202.0	73.4	11.55	79.5	13.46	86.6	15.70	94.1	17.67	96.8	18.08	100.7	18.52	103.5	18.88
		404.0	73.4	10.62	79.5	12.59	86.6	14.67	94.1	16.52	96.8	16.92	100.7	17.34	103.5	17.66
		505.1	73.4	10.34	79.5	12.32	86.6	14.36	94.1	16.20	96.8	16.60	100.7	17.02	103.5	17.21
		606.0	73.4	10.19	79.5	12.19	86.6	14.20	94.1	16.04	96.8	16.44	100.7	16.85	103.5	16.98
	35	161.6	73.4	13.10	79.5	15.22	86.6	17.72	94.1	19.96	96.8	20.44	100.7	20.95	103.5	21.32
		202.0	73.4	12.84	79.5	14.97	86.6	17.43	94.1	19.64	96.8	20.12	100.7	20.61	103.5	20.98
		404.0	73.4	11.81	79.5	13.99	86.6	16.32	94.1	18.37	96.8	18.80	100.7	19.27	103.5	19.63
		505.1	73.4	11.49	79.5	13.70	86.6	15.98	94.1	18.01	96.8	18.45	100.7	18.93	103.5	19.10
		606.0	73.4	11.32	79.5	13.54	86.6	15.82	94.1	17.81	96.8	18.26	100.7	18.76	103.5	18.84
	40	161.6	73.4	15.51	79.5	18.04	86.6	21.00	94.1	23.66	96.8	24.19	100.7	24.80	103.5	25.23
		202.0	73.4	15.20	79.5	17.74	86.6	20.65	94.1	23.26	96.8	23.80	100.7	24.40	103.5	24.82
		404.0	73.4	13.98	79.5	16.57	86.6	19.30	94.1	21.76	96.8	22.25	100.7	22.82	103.5	23.24
		505.1	73.4	13.58	79.5	16.23	86.6	18.90	94.1	21.32	96.8	21.83	100.7	22.40	103.5	22.63
		606.0	73.4	13.37	79.5	16.06	86.6	18.70	94.1	21.09	96.8	21.63	100.7	22.19	103.5	22.32
	45	161.6	73.4	17.93	79.5	20.86	86.6	24.29	94.1	27.34	96.8	27.94	100.7	28.65	103.5	29.14
		202.0	73.4	17.57	79.5	20.51	86.6	23.89	94.1	26.90	96.8	27.49	100.7	28.19	103.5	28.67
		404.0	73.4	16.15	79.5	19.14	86.6	22.30	94.1	25.15	96.8	25.70	100.7	26.38	103.5	26.85
		505.1	73.4	15.67	79.5	18.76	86.6	21.82	94.1	24.63	96.8	25.23	100.7	25.87	103.5	26.15
		606.0	73.4	15.44	79.5	18.57	86.6	21.58	94.1	24.37	96.8	25.00	100.7	25.62	103.5	25.81
70	10	161.6	64.2	3.89	69.6	4.53	75.7	5.28	82.3	5.93	84.8	6.09	88.1	6.26	90.5	6.33
		202.0	64.2	3.82	69.6	4.45	75.7	5.19	82.3	5.86	84.8	6.00	88.1	6.16	90.5	6.23
		404.0	64.2	3.53	69.6	4.17	75.7	4.85	82.3	5.50	84.8	5.62	88.1	5.77	90.5	5.88
		505.1	64.2	3.43	69.6	4.06	75.7	4.76	82.3	5.36	84.8	5.48	88.1	5.63	90.5	5.71
		606.0	64.2	3.39	69.6	4.00	75.7	4.72	82.3	5.29	84.8	5.41	88.1	5.57	90.5	5.64
	15	161.6	64.2	5.29	69.6	6.15	75.7	7.16	82.3	8.06	84.8	8.26	88.1	8.48	90.5	8.61
		202.0	64.2	5.19	69.6	6.06	75.7	7.04	82.3	7.94	84.8	8.13	88.1	8.33	90.5	8.47
		404.0	64.2	4.78	69.6	5.66	75.7	6.58	82.3	7.43	84.8	7.60	88.1	7.81	90.5	7.94
		505.1	64.2	4.65	69.6	5.53	75.7	6.46	82.3	7.28	84.8	7.45	88.1	7.65	90.5	7.74
		606.0	64.2	4.58	69.6	5.47	75.7	6.39	82.3	7.21	84.8	7.37	88.1	7.57	90.5	7.63
	20	161.6	64.2	6.55	69.6	7.59	75.7	8.84	82.3	9.96	84.8	10.19	88.1	10.43	90.5	10.64
		202.0	64.2	6.41	69.6	7.47	75.7	8.71	82.3	9.80	84.8	10.02	88.1	10.27	90.5	10.46
		404.0	64.2	5.88	69.6	6.99	75.7	8.14	82.3	9.16	84.8	9.37	88.1	9.62	90.5	9.78
		505.1	64.2	5.73	69.6	6.83	75.7	7.97	82.3	8.99	84.8	9.20	88.1	9.44	90.5	9.53
		606.0	64.2	5.64	69.6	6.76	75.7	7.89	82.3	8.90	84.8	9.13	88.1	9.35	90.5	9.40
	25	161.6	64.2	7.97	69.6	9.27	75.7	10.78	82.3	12.15	84.8	12.43	88.1	12.73	90.5	12.96
		202.0	64.2	7.81	69.6	9.12	75.7	10.60	82.3	11.95	84.8	12.23	88.1	12.52	90.5	12.76
		404.0	64.2	7.19	69.6	8.51	75.7	9.93	82.3	11.17	84.8	11.44	88.1	11.73	90.5	11.94
		505.1	64.2	6.99	69.6	8.33	75.7	9.72	82.3	10.95	84.8	11.21	88.1	11.50	90.5	11.62
		606.0	64.2	6.88	69.6	8.25	75.7	9.62	82.3	10.85	84.8	11.10	88.1	11.38	90.5	11.46
	30	161.6	64.2	9.81	69.6	11.38	75.7	13.27	82.3	14.93	84.8	15.29	88.1	15.66	90.5	15.95
		202.0	64.2	9.61	69.6	11.20	75.7	13.04	82.3	14.68	84.8	15.05	88.1	15.41	90.5	15.69
		404.0	64.2	8.83	69.6	10.46	75.7	12.19	82.3	13.74	84.8	14.07	88.1	14.43	90.5	14.67
		505.1	64.2	8.59	69.6	10.26	75.7	11.95	82.3	13.46	84.8	13.80	88.1	14.16	90.5	14.31
		606.0	64.2	8.47	69.6	10.15	75.7	11.82	82.3	13.33	84.8	13.67	88.1	14.01	90.5	14.13
	35	161.6	64.2	10.89	69.6	12.64	75.7	14.75	82.3	16.59	84.8	16.99	88.1	17.41	90.5	17.72
		202.0	64.2	10.67	69.6	12.44	75.7	14.51	82.3	16.32	84.8	16.72	88.1	17.13	90.5	17.43
		404.0	64.2	9.82	69.6	11.65	75.7	13.54	82.3	15.26	84.8	15.62	88.1	16.03	90.5	16.32
		505.1	64.2	9.54	69.6	11.38	75.7	13.28	82.3	14.97	84.8	15.34	88.1	15.73	90.5	15.90
		606.0	64.2	9.40	69.6	11.25	75.7	13.15	82.3	14.82	84.8	15.19	88.1	15.58	90.5	15.69
	40	161.6	64.2	12.91	69.6	14.96	75.7	17.46	82.3	19.66	84.8	20.12	88.1	20.61	90.5	20.98
		202.0	64.2	12.64	69.6	14.72	75.7	17.18	82.3	19.33	84.8	19.79	88.1	20.28	90.5	20.64
		404.0	64.2	11.62	69.6	13.78	75.7	16.06	82.3	18.07	84.8	18.51	88.1	18.97	90.5	19.33
		505.1	64.2	11.29	69.6	13.48	75.7	15.71	82.3	17.72	84.8	18.16	88.1	18.64	90.5	18.82
		606.0	64.2	11.13	69.6	13.34	75.7	15.53	82.3	17.55	84.8	17.98	88.1	18.47	90.5	18.56
	45	161.6	64.2	14.92	69.6	17.30	75.7	20.16	82.3	22.71	84.8	23.24	88.1	23.82	90.5	24.26
		202.0	64.2	14.62	69.6	17.02	75.7	19.84	82.3	22.34	84.8	22.87	88.1	23.44	90.5	23.87
		404.0	64.2	13.42	69.6	15.92	75.7	18.57	82.3	20.89	84.8	21.40	88.1	21.92	90.5	22.34
		505.1	64.2	13.04	69.6	15.59	75.7	18.14	82.3	20.47	84.8	20.99	88.1	21.55	90.5	21.74
		606.0	64.2	12.86	69.6	15.42	75.7	17.92	82.3	20.26	84.8	20.78	88.1	21.36	90.5	21.43
60	10	161.6	55.0	3.12	59.7	3.61	64.9	4.18	70.5	4.76	72.6	4.88	75.6	4.97	77.7	5.07
		202.0	55.0	3.05	59.7	3.55	64.9	4.12	70.5	4.67	72.6	4.80	75.6	4.90	77.7	4.98
		404.0	55.0	2.80	59.7	3.32	64.9	3.89	70.5	4.36	72.6	4.44	75.6	4.59	77.7	4.67
		505.1	55.0	2.70	59.7	3.27	64.9	3.81	70.5	4.30	72.6	4.38	75.6	4.47	77.7	4.55
		606.0	55.0	2.64	59.7	3.25	64.9	3.78	70.5	4.26	72.6	4.35	75.6	4.42	77.7	4.48
	15	161.6	55.0	4.23	59.7	4.91	64.9	5.70	70.5	6.44	72.6	6.61	75.6	6.74	77.7	6.86
		202.0	55.0	4.14	59.7	4.83	64.9	5.61	70.5	6.33	72.6	6.50	75.6	6.63	77.7	6.76
		404.0	55.0	3.80	59.7	4.50	64.9	5.27	70.5	5.92	72.6	6.06	75.6	6.21	77.7	6.33
		505.1	55.0	3.69	59.7	4.42	64.9	5.15	70.5	5.81	72.6	5.94	75.6	6.09	77.7	6.17
		606.0	55.0	3.63	59.7	4.38	64.9	5.10	70.5	5.75	72.6	5.88	75.6	6.03	77.7	6.08
	20	161.6	55.0	5.21	59.7	6.06	64.9	7.05	70.5	7.94	72.6	8.14	75.6	8.32	77.7	8.48
		202.0	55.0	5.11	59.7	5.96	64.9	6.94	70.5	7.81	72.6	8.01	75.6	8.19	77.7	8.33
		404.0	55.0	4.69	59.7	5.57	64.9	6.50	70.5	7.31	72.6	7.48	75.6	7.66	77.7	7.81
		505.1	55.0	4.57	59.7	5.44	64.9	6.34	70.5	7.16	72.6	7.33	75.6	7.52	77.7	7.60
		606.0	55.0	4.51	59.7	5.38	64.9	6.27	70.5	7.08	72.6	7.25	75.6	7.46	77.7	7.50

7. Capacity tables

Cooling Capacity (42 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	25	161.6	55.0	6.34	59.7	7.39	64.9	8.59	70.5	9.68	72.6	9.91	75.6	10.15	77.7	10.34
		202.0	55.0	6.22	59.7	7.27	64.9	8.46	70.5	9.53	72.6	9.74	75.6	9.98	77.7	10.17
		404.0	55.0	5.73	59.7	6.79	64.9	7.90	70.5	8.91	72.6	9.12	75.6	9.36	77.7	9.53
		505.1	55.0	5.57	59.7	6.63	64.9	7.74	70.5	8.71	72.6	8.95	75.6	9.16	77.7	9.27
		606.0	55.0	5.49	59.7	6.56	64.9	7.66	70.5	8.62	72.6	8.88	75.6	9.08	77.7	9.15
	30	161.6	55.0	7.81	59.7	9.08	64.9	10.56	70.5	11.89	72.6	12.18	75.6	12.47	77.7	12.72
		202.0	55.0	7.65	59.7	8.93	64.9	10.39	70.5	11.70	72.6	11.99	75.6	12.28	77.7	12.52
		404.0	55.0	7.03	59.7	8.34	64.9	9.73	70.5	10.95	72.6	11.21	75.6	11.50	77.7	11.70
		505.1	55.0	6.84	59.7	8.18	64.9	9.53	70.5	10.75	72.6	11.00	75.6	11.29	77.7	11.40
		606.0	55.0	6.74	59.7	8.09	64.9	9.43	70.5	10.64	72.6	10.89	75.6	11.19	77.7	11.26
	35	161.6	55.0	8.68	59.7	10.09	64.9	11.76	70.5	13.22	72.6	13.55	75.6	13.87	77.7	14.12
		202.0	55.0	8.50	59.7	9.93	64.9	11.57	70.5	13.00	72.6	13.33	75.6	13.66	77.7	13.90
		404.0	55.0	7.82	59.7	9.27	64.9	10.80	70.5	12.18	72.6	12.47	75.6	12.77	77.7	13.00
		505.1	55.0	7.60	59.7	9.08	64.9	10.59	70.5	11.93	72.6	12.23	75.6	12.54	77.7	12.67
		606.0	55.0	7.49	59.7	8.98	64.9	10.48	70.5	11.81	72.6	12.11	75.6	12.43	77.7	12.50
	40	161.6	55.0	10.28	59.7	11.94	64.9	13.91	70.5	15.67	72.6	16.04	75.6	16.42	77.7	16.74
		202.0	55.0	10.07	59.7	11.75	64.9	13.70	70.5	15.41	72.6	15.78	75.6	16.16	77.7	16.47
		404.0	55.0	9.27	59.7	10.99	64.9	12.80	70.5	14.41	72.6	14.75	75.6	15.13	77.7	15.41
		505.1	55.0	9.00	59.7	10.76	64.9	12.54	70.5	14.12	72.6	14.47	75.6	14.85	77.7	15.00
		606.0	55.0	8.87	59.7	10.64	64.9	12.42	70.5	13.97	72.6	14.33	75.6	14.70	77.7	14.79
	45	161.6	55.0	11.87	59.7	13.79	64.9	16.08	70.5	18.11	72.6	18.53	75.6	18.96	77.7	19.35
		202.0	55.0	11.63	59.7	13.57	64.9	15.83	70.5	17.81	72.6	18.23	75.6	18.67	77.7	19.04
		404.0	55.0	10.73	59.7	12.71	64.9	14.80	70.5	16.63	72.6	17.05	75.6	17.49	77.7	17.81
		505.1	55.0	10.39	59.7	12.44	64.9	14.51	70.5	16.30	72.6	16.72	75.6	17.15	77.7	17.32
		606.0	55.0	10.23	59.7	12.30	64.9	14.37	70.5	16.14	72.6	16.55	75.6	16.98	77.7	17.08
50	10	161.6	45.8	2.31	49.7	2.67	54.1	3.19	58.8	3.52	60.5	3.61	63.0	3.71	64.7	3.78
		202.0	45.8	2.27	49.7	2.64	54.1	3.12	58.8	3.46	60.5	3.56	63.0	3.65	64.7	3.72
		404.0	45.8	2.08	49.7	2.48	54.1	2.90	58.8	3.27	60.5	3.38	63.0	3.38	64.7	3.46
		505.1	45.8	2.02	49.7	2.46	54.1	2.85	58.8	3.18	60.5	3.24	63.0	3.35	64.7	3.36
		606.0	45.8	1.99	49.7	2.46	54.1	2.81	58.8	3.13	60.5	3.17	63.0	3.32	64.7	3.31
	15	161.6	45.8	3.14	49.7	3.65	54.1	4.28	58.8	4.79	60.5	4.91	63.0	5.03	64.7	5.12
		202.0	45.8	3.08	49.7	3.60	54.1	4.20	58.8	4.71	60.5	4.84	63.0	4.94	64.7	5.04
		404.0	45.8	2.83	49.7	3.36	54.1	3.93	58.8	4.42	60.5	4.53	63.0	4.63	64.7	4.71
		505.1	45.8	2.74	49.7	3.30	54.1	3.85	58.8	4.33	60.5	4.42	63.0	4.54	64.7	4.59
		606.0	45.8	2.71	49.7	3.27	54.1	3.81	58.8	4.28	60.5	4.37	63.0	4.50	64.7	4.53
	20	161.6	45.8	3.88	49.7	4.53	54.1	5.24	58.8	5.92	60.5	6.07	63.0	6.20	64.7	6.31
		202.0	45.8	3.80	49.7	4.45	54.1	5.16	58.8	5.82	60.5	5.97	63.0	6.10	64.7	6.21
		404.0	45.8	3.50	49.7	4.14	54.1	4.84	58.8	5.44	60.5	5.57	63.0	5.73	64.7	5.82
		505.1	45.8	3.40	49.7	4.05	54.1	4.74	58.8	5.35	60.5	5.47	63.0	5.61	64.7	5.68
		606.0	45.8	3.34	49.7	4.02	54.1	4.69	58.8	5.30	60.5	5.42	63.0	5.56	64.7	5.61
	25	161.6	45.8	4.73	49.7	5.49	54.1	6.40	58.8	7.22	60.5	7.40	63.0	7.56	64.7	7.69
		202.0	45.8	4.63	49.7	5.40	54.1	6.30	58.8	7.10	60.5	7.28	63.0	7.44	64.7	7.57
		404.0	45.8	4.26	49.7	5.06	54.1	5.89	58.8	6.63	60.5	6.80	63.0	6.97	64.7	7.10
		505.1	45.8	4.14	49.7	4.94	54.1	5.77	58.8	6.51	60.5	6.66	63.0	6.83	64.7	6.92
		606.0	45.8	4.07	49.7	4.88	54.1	5.72	58.8	6.44	60.5	6.60	63.0	6.77	64.7	6.82
	30	161.6	45.8	5.83	49.7	6.78	54.1	7.90	58.8	8.89	60.5	9.11	63.0	9.31	64.7	9.47
		202.0	45.8	5.72	49.7	6.66	54.1	7.76	58.8	8.74	60.5	8.95	63.0	9.16	64.7	9.32
		404.0	45.8	5.25	49.7	6.22	54.1	7.25	58.8	8.18	60.5	8.35	63.0	8.59	64.7	8.71
		505.1	45.8	5.11	49.7	6.09	54.1	7.10	58.8	8.01	60.5	8.22	63.0	8.42	64.7	8.50
		606.0	45.8	5.04	49.7	6.02	54.1	7.04	58.8	7.94	60.5	8.14	63.0	8.34	64.7	8.40
	35	161.6	45.8	6.47	49.7	7.52	54.1	8.77	58.8	9.86	60.5	10.10	63.0	10.35	64.7	10.51
		202.0	45.8	6.34	49.7	7.40	54.1	8.63	58.8	9.69	60.5	9.94	63.0	10.18	64.7	10.36
		404.0	45.8	5.84	49.7	6.92	54.1	8.06	58.8	9.08	60.5	9.28	63.0	9.53	64.7	9.69
		505.1	45.8	5.68	49.7	6.78	54.1	7.89	58.8	8.91	60.5	9.12	63.0	9.36	64.7	9.44
		606.0	45.8	5.60	49.7	6.71	54.1	7.81	58.8	8.83	60.5	9.03	63.0	9.28	64.7	9.32
	40	161.6	45.8	7.68	49.7	8.90	54.1	10.39	58.8	11.68	60.5	11.97	63.0	12.26	64.7	12.47
		202.0	45.8	7.51	49.7	8.75	54.1	10.21	58.8	11.50	60.5	11.77	63.0	12.06	64.7	12.28
		404.0	45.8	6.91	49.7	8.19	54.1	9.54	58.8	10.75	60.5	11.00	63.0	11.29	64.7	11.49
		505.1	45.8	6.71	49.7	8.01	54.1	9.36	58.8	10.54	60.5	10.80	63.0	11.08	64.7	11.18
		606.0	45.8	6.61	49.7	7.93	54.1	9.27	58.8	10.43	60.5	10.69	63.0	10.97	64.7	11.02
	45	161.6	45.8	8.87	49.7	10.28	54.1	12.00	58.8	13.53	60.5	13.82	63.0	14.16	64.7	14.43
		202.0	45.8	8.70	49.7	10.11	54.1	11.80	58.8	13.30	60.5	13.60	63.0	13.94	64.7	14.19
		404.0	45.8	7.98	49.7	9.45	54.1	11.01	58.8	12.42	60.5	12.72	63.0	13.05	64.7	13.28
		505.1	45.8	7.74	49.7	9.25	54.1	10.82	58.8	12.17	60.5	12.48	63.0	12.79	64.7	12.91
		606.0	45.8	7.63	49.7	9.16	54.1	10.73	58.8	12.05	60.5	12.35	63.0	12.67	64.7	12.72

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB440LAS4

Cooling Capacity (44 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	169.2	114.5	8.11	124.1	9.48	135.0	11.05	146.7	12.41	151.2	12.68	157.1	13.07	161.5	13.27
		211.5	114.5	7.96	124.1	9.32	135.0	10.87	146.7	12.20	151.2	12.49	157.1	12.87	161.5	13.08
		423.0	114.5	7.37	124.1	8.68	135.0	10.13	146.7	11.42	151.2	11.74	157.1	12.01	161.5	12.27
		528.8	114.5	7.16	124.1	8.52	135.0	9.95	146.7	11.16	151.2	11.49	157.1	11.78	161.5	11.96
		634.5	114.5	7.05	124.1	8.45	135.0	9.85	146.7	11.04	151.2	11.37	157.1	11.66	161.5	11.80
	15	169.2	112.7	10.68	122.0	12.44	132.9	14.50	144.4	16.30	148.7	16.68	154.5	17.12	158.9	17.40
		211.5	112.7	10.47	122.0	12.23	132.9	14.26	144.4	16.03	148.7	16.42	154.5	16.84	158.9	17.15
		423.0	112.7	9.66	122.0	11.43	132.9	13.32	144.4	14.99	148.7	15.38	154.5	15.78	158.9	16.11
		528.8	112.7	9.39	122.0	11.19	132.9	13.05	144.4	14.70	148.7	15.08	154.5	15.46	158.9	15.73
		634.5	112.7	9.25	122.0	11.09	132.9	12.93	144.4	14.55	148.7	14.93	154.5	15.31	158.9	15.55
	20	169.2	111.0	12.97	120.2	15.07	131.0	17.55	142.4	19.76	146.6	20.23	152.3	20.71	156.6	21.09
		211.5	111.0	12.70	120.2	14.83	131.0	17.27	142.4	19.44	146.6	19.91	152.3	20.39	156.6	20.76
		423.0	111.0	11.68	120.2	13.87	131.0	16.16	142.4	18.19	146.6	18.63	152.3	19.14	156.6	19.52
		528.8	111.0	11.38	120.2	13.57	131.0	15.82	142.4	17.83	146.6	18.27	152.3	18.74	156.6	19.09
		634.5	111.0	11.23	120.2	13.43	131.0	15.65	142.4	17.66	146.6	18.10	152.3	18.55	156.6	18.87
	25	169.2	111.0	16.01	120.2	18.58	131.0	21.64	142.4	24.40	146.6	24.96	152.3	25.56	156.6	25.99
		211.5	111.0	15.69	120.2	18.27	131.0	21.29	142.4	24.00	146.6	24.55	152.3	25.17	156.6	25.60
		423.0	111.0	14.43	120.2	17.10	131.0	19.91	142.4	22.42	146.6	22.97	152.3	23.60	156.6	24.05
		528.8	111.0	14.00	120.2	16.72	131.0	19.51	142.4	21.99	146.6	22.54	152.3	23.14	156.6	23.52
		634.5	111.0	13.80	120.2	16.54	131.0	19.32	142.4	21.76	146.6	22.34	152.3	22.91	156.6	23.27
	30	169.2	111.0	19.21	120.2	22.29	131.0	25.97	142.4	29.26	146.6	29.95	152.3	30.67	156.6	31.20
		211.5	111.0	18.82	120.2	21.94	131.0	25.55	142.4	28.78	146.6	29.48	152.3	30.20	156.6	30.73
		423.0	111.0	17.28	120.2	20.51	131.0	23.90	142.4	26.89	146.6	27.58	152.3	28.30	156.6	28.87
		528.8	111.0	16.80	120.2	20.08	131.0	23.41	142.4	26.37	146.6	27.06	152.3	27.75	156.6	28.22
		634.5	111.0	16.56	120.2	19.86	131.0	23.15	142.4	26.12	146.6	26.80	152.3	27.47	156.6	27.89
	35	169.2	99.9	19.40	108.2	22.55	117.8	26.28	128.1	29.56	132.0	30.30	137.1	31.03	140.9	31.54
		211.5	99.9	19.01	108.2	22.19	117.8	25.85	128.1	29.09	132.0	29.81	137.1	30.54	140.9	31.06
		423.0	99.9	17.49	108.2	20.73	117.8	24.17	128.1	27.22	132.0	27.88	137.1	28.62	140.9	29.21
		528.8	99.9	17.01	108.2	20.29	117.8	23.66	128.1	26.68	132.0	27.36	137.1	28.06	140.9	28.53
		634.5	99.9	16.77	108.2	20.08	117.8	23.41	128.1	26.40	132.0	27.11	137.1	27.78	140.9	28.19
	40	169.2	88.9	20.48	96.2	23.78	104.7	27.72	113.8	31.19	117.3	31.91	121.9	32.69	125.3	33.29
		211.5	88.9	20.08	96.2	23.40	104.7	27.27	113.8	30.69	117.3	31.42	121.9	32.19	125.3	32.80
		423.0	88.9	18.45	96.2	21.89	104.7	25.51	113.8	28.70	117.3	29.43	121.9	30.20	125.3	30.80
		528.8	88.9	17.93	96.2	21.42	104.7	24.95	113.8	28.14	117.3	28.87	121.9	29.60	125.3	30.11
		634.5	88.9	17.67	96.2	21.18	104.7	24.67	113.8	27.86	117.3	28.59	121.9	29.31	125.3	29.77
	45	169.2	77.6	21.59	84.3	24.99	91.6	29.15	99.6	32.83	102.7	33.54	106.5	34.36	109.6	35.05
		211.5	77.6	21.14	84.3	24.60	91.6	28.68	99.6	32.29	102.7	33.02	106.5	33.84	109.6	34.52
		423.0	77.6	19.40	84.3	23.03	91.6	26.84	99.6	30.18	102.7	30.98	106.5	31.79	109.6	32.40
		528.8	77.6	18.84	84.3	22.53	91.6	26.25	99.6	29.59	102.7	30.38	106.5	31.15	109.6	31.70
		634.5	77.6	18.56	84.3	22.29	91.6	25.94	99.6	29.30	102.7	30.08	106.5	30.83	109.6	31.35
120	10	169.2	108.4	7.73	117.3	9.00	127.9	10.43	138.9	11.76	143.0	12.09	148.7	12.39	152.8	12.56
		211.5	108.4	7.57	117.3	8.85	127.9	10.28	138.9	11.58	143.0	11.88	148.7	12.18	152.8	12.36
		423.0	108.4	6.93	117.3	8.27	127.9	9.65	138.9	10.81	143.0	11.06	148.7	11.36	152.8	11.62
		528.8	108.4	6.74	117.3	8.02	127.9	9.42	138.9	10.58	143.0	10.89	148.7	11.16	152.8	11.36
		634.5	108.4	6.64	117.3	7.90	127.9	9.31	138.9	10.46	143.0	10.80	148.7	11.06	152.8	11.23
	15	169.2	107.2	10.25	116.0	11.91	126.4	13.84	137.3	15.60	141.4	15.98	147.0	16.36	151.1	16.64
		211.5	107.2	10.04	116.0	11.71	126.4	13.62	137.3	15.35	141.4	15.72	147.0	16.11	151.1	16.38
		423.0	107.2	9.22	116.0	10.94	126.4	12.75	137.3	14.35	141.4	14.70	147.0	15.08	151.1	15.38
		528.8	107.2	8.96	116.0	10.68	126.4	12.49	137.3	14.05	141.4	14.43	147.0	14.79	151.1	15.03
		634.5	107.2	8.83	116.0	10.56	126.4	12.36	137.3	13.91	141.4	14.30	147.0	14.65	151.1	14.86
	20	169.2	106.0	12.48	114.8	14.50	125.1	16.88	136.0	19.01	140.0	19.44	145.5	19.91	149.6	20.26
		211.5	106.0	12.23	114.8	14.26	125.1	16.60	136.0	18.70	140.0	19.14	145.5	19.61	149.6	19.96
		423.0	106.0	11.24	114.8	13.32	125.1	15.51	136.0	17.49	140.0	17.92	145.5	18.39	149.6	18.73
		528.8	106.0	10.94	114.8	13.05	125.1	15.21	136.0	17.15	140.0	17.58	145.5	18.01	149.6	18.30
		634.5	106.0	10.80	114.8	12.93	125.1	15.07	136.0	16.97	140.0	17.41	145.5	17.83	149.6	18.09
	25	169.2	106.0	15.34	114.8	17.83	125.1	20.76	136.0	23.34	140.0	23.91	145.5	24.50	149.6	24.94
		211.5	106.0	15.03	114.8	17.53	125.1	20.42	136.0	22.97	140.0	23.52	145.5	24.12	149.6	24.55
		423.0	106.0	13.83	114.8	16.37	125.1	19.09	136.0	21.50	140.0	22.01	145.5	22.58	149.6	23.04
		528.8	106.0	13.45	114.8	16.03	125.1	18.70	136.0	21.06	140.0	21.59	145.5	22.15	149.6	22.49
		634.5	106.0	13.24	114.8	15.86	125.1	18.50	136.0	20.85	140.0	21.38	145.5	21.94	149.6	22.22
	30	169.2	106.0	18.51	114.8	21.55	125.1	25.10	136.0	28.24	140.0	28.91	145.5	29.63	149.6	30.15
		211.5	106.0	18.15	114.8	21.20	125.1	24.69	136.0	27.78	140.0	28.45	145.5	29.16	149.6	29.68
		423.0	106.0	16.72	114.8	19.81	125.1	23.05	136.0	25.99	140.0	26.63	145.5	27.31	149.6	27.84
		528.8	106.0	16.24	114.8	19.39	125.1	22.58	136.0	25.47	140.0	26.12	145.5	26.79	149.6	27.20
		634.5	106.0	16.01	114.8	19.17	125.1	22.35	136.0	25.21	140.0	25.86	145.5	26.54	149.6	26.87
	35	169.2	97.0	19.00	105.1	22.08	114.4	25.70	124.4	28.96	128.1	29.64	133.1	30.35	136.9	30.89
		211.5	97.0	18.62	105.1	21.72	114.4	25.29	124.4	28.49	128.1	29.17	133.1	29.87	136.9	30.42
		423.0	97.0	17.11	105.1	20.29	114.4	23.65	124.4	26.63	128.1	27.27	133.1	28.01	136.9	28.53
		528.8	97.0	16.64	105.1	19.87	114.4	23.18	124.4	26.11	128.1	26.76	133.1	27.45	136.9	27.87
		634.5	97.0	16.40	105.1	19.65	114.4	22.94	124.4	25.85	128.1	26.51	133.1	27.17	136.9	27.54
	40	169.2	88.0	20.45	95.3	23.74	103.8	27.68	112.9	31.14	116.2	31.89	120.7	32.67	124.1	33.26
		211.5	88.0	20.04	95.3	23.36	103.8	27.23	112.9	30.64	116.2	31.38	120.7	32.15	124.1	32.75
		423.0	88.0	18.44	95.3	21.85	103.8	25.46	112.9	28.65	116.2	29.35	120.7	30.12	124.1	30.72
		528.8	88.0	17.92	95.3	21.38	103.8	24.94	112.9	28.10	116.2	28.82	120.7	29.56	124.1	30.00
		634.5	88.0	17.66	95.3	21.14	103.8	24.68	112.9	27.82	116.2	28.56	120.7	29.28	124.1	29.63

7. Capacity tables

Cooling Capacity (44 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	45	169.2	79.1	21.90	85.5	25.41	93.2	29.65	101.4	33.34	104.4	34.13	108.4	34.99	111.3	35.61
		211.5	79.1	21.47	85.5	25.00	93.2	29.17	101.4	32.80	104.4	33.58	108.4	34.43	111.3	35.07
		423.0	79.1	19.76	85.5	23.41	93.2	27.27	101.4	30.68	104.4	31.43	108.4	32.25	111.3	32.90
		528.8	79.1	19.20	85.5	22.89	93.2	26.71	101.4	30.08	104.4	30.88	108.4	31.67	111.3	32.11
		634.5	79.1	18.91	85.5	22.62	93.2	26.43	101.4	29.79	104.4	30.61	108.4	31.38	111.3	31.71
110	10	169.2	102.3	7.29	110.8	8.45	120.6	9.88	131.0	11.09	134.8	11.35	140.3	11.67	144.0	11.86
		211.5	102.3	7.15	110.8	8.30	120.6	9.71	131.0	10.91	134.8	11.18	140.3	11.49	144.0	11.68
		423.0	102.3	6.56	110.8	7.77	120.6	9.06	131.0	10.20	134.8	10.51	140.3	10.75	144.0	10.93
		528.8	102.3	6.39	110.8	7.61	120.6	8.84	131.0	10.05	134.8	10.23	140.3	10.55	144.0	10.66
		634.5	102.3	6.30	110.8	7.53	120.6	8.74	131.0	9.97	134.8	10.10	140.3	10.44	144.0	10.52
	15	169.2	101.6	9.76	110.0	11.34	119.8	13.22	130.3	14.89	134.2	15.23	139.4	15.63	143.3	15.90
		211.5	101.6	9.57	110.0	11.16	119.8	13.00	130.3	14.65	134.2	14.99	139.4	15.37	143.3	15.65
		423.0	101.6	8.79	110.0	10.43	119.8	12.16	130.3	13.70	134.2	14.04	139.4	14.40	143.3	14.66
		528.8	101.6	8.57	110.0	10.21	119.8	11.90	130.3	13.45	134.2	13.75	139.4	14.13	143.3	14.30
		634.5	101.6	8.46	110.0	10.11	119.8	11.76	130.3	13.32	134.2	13.61	139.4	13.99	143.3	14.12
	20	169.2	101.1	11.96	109.5	13.93	119.2	16.20	129.6	18.26	133.5	18.70	138.6	19.14	142.6	19.48
		211.5	101.1	11.72	109.5	13.70	119.2	15.94	129.6	17.97	133.5	18.39	138.6	18.83	142.6	19.17
		423.0	101.1	10.78	109.5	12.80	119.2	14.91	129.6	16.79	133.5	17.20	138.6	17.63	142.6	17.97
		528.8	101.1	10.51	109.5	12.53	119.2	14.60	129.6	16.46	133.5	16.88	138.6	17.31	142.6	17.53
		634.5	101.1	10.37	109.5	12.41	119.2	14.45	129.6	16.29	133.5	16.73	138.6	17.16	142.6	17.31
	25	169.2	101.1	14.64	109.5	17.03	119.2	19.84	129.6	22.34	133.5	22.86	138.6	23.42	142.6	23.85
		211.5	101.1	14.36	109.5	16.76	119.2	19.52	129.6	21.99	133.5	22.49	138.6	23.05	142.6	23.48
		423.0	101.1	13.22	109.5	15.68	119.2	18.26	129.6	20.56	133.5	21.06	138.6	21.59	142.6	22.01
		528.8	101.1	12.85	109.5	15.34	119.2	17.88	129.6	20.16	133.5	20.64	138.6	21.20	142.6	21.46
		634.5	101.1	12.66	109.5	15.17	119.2	17.69	129.6	19.96	133.5	20.43	138.6	21.00	142.6	21.18
	30	169.2	101.1	17.85	109.5	20.77	119.2	24.18	129.6	27.25	133.5	27.89	138.6	28.55	142.6	29.07
		211.5	101.1	17.50	109.5	20.43	119.2	23.79	129.6	26.79	133.5	27.45	138.6	28.10	142.6	28.62
		423.0	101.1	16.11	109.5	19.10	119.2	22.24	129.6	25.04	133.5	25.68	138.6	26.32	142.6	26.80
		528.8	101.1	15.68	109.5	18.70	119.2	21.80	129.6	24.56	133.5	25.17	138.6	25.81	142.6	26.16
		634.5	101.1	15.46	109.5	18.50	119.2	21.58	129.6	24.32	133.5	24.91	138.6	25.56	142.6	25.83
	35	169.2	94.2	18.58	102.0	21.59	111.1	25.14	120.7	28.33	124.4	29.00	129.2	29.69	132.8	30.24
		211.5	94.2	18.22	102.0	21.24	111.1	24.74	120.7	27.87	124.4	28.53	129.2	29.22	132.8	29.77
		423.0	94.2	16.76	102.0	19.86	111.1	23.14	120.7	26.06	124.4	26.68	129.2	27.36	132.8	27.88
		528.8	94.2	16.29	102.0	19.44	111.1	22.66	120.7	25.54	124.4	26.20	129.2	26.84	132.8	27.20
		634.5	94.2	16.06	102.0	19.22	111.1	22.42	120.7	25.28	124.4	25.96	129.2	26.59	132.8	26.85
	40	169.2	87.2	20.41	94.6	23.74	102.9	27.63	111.9	31.09	115.3	31.85	119.7	32.62	123.0	33.22
		211.5	87.2	20.00	94.6	23.35	102.9	27.19	111.9	30.59	115.3	31.33	119.7	32.10	123.0	32.70
		423.0	87.2	18.40	94.6	21.81	102.9	25.42	111.9	28.62	115.3	29.30	119.7	30.07	123.0	30.63
		528.8	87.2	17.88	94.6	21.34	102.9	24.90	111.9	28.05	115.3	28.78	119.7	29.52	123.0	29.86
		634.5	87.2	17.62	94.6	21.10	102.9	24.65	111.9	27.77	115.3	28.52	119.7	29.23	123.0	29.48
	45	169.2	80.3	22.22	87.1	25.87	94.7	30.13	103.0	33.86	106.1	34.70	110.3	35.55	113.3	36.20
		211.5	80.3	21.78	87.1	25.45	94.7	29.63	103.0	33.32	106.1	34.14	110.3	34.99	113.3	35.63
		423.0	80.3	20.04	87.1	23.76	94.7	27.70	103.0	31.17	106.1	31.94	110.3	32.80	113.3	33.38
		528.8	80.3	19.48	87.1	23.24	94.7	27.15	103.0	30.55	106.1	31.36	110.3	32.18	113.3	32.53
		634.5	80.3	19.19	87.1	22.98	94.7	26.87	103.0	30.25	106.1	31.08	110.3	31.88	113.3	32.10
100	10	169.2	96.1	6.89	104.0	8.01	113.4	9.24	123.2	10.49	126.9	10.67	131.8	11.01	135.5	11.18
		211.5	96.1	6.76	104.0	7.87	113.4	9.09	123.2	10.32	126.9	10.51	131.8	10.81	135.5	11.01
		423.0	96.1	6.21	104.0	7.35	113.4	8.53	123.2	9.66	126.9	9.86	131.8	10.10	135.5	10.30
		528.8	96.1	6.00	104.0	7.17	113.4	8.36	123.2	9.44	126.9	9.67	131.8	9.90	135.5	10.00
		634.5	96.1	5.90	104.0	7.08	113.4	8.26	123.2	9.33	126.9	9.56	131.8	9.80	135.5	9.83
	15	169.2	96.1	9.33	104.0	10.81	113.4	12.57	123.2	14.19	126.9	14.51	131.8	14.89	135.5	15.15
		211.5	96.1	9.14	104.0	10.65	113.4	12.38	123.2	13.95	126.9	14.27	131.8	14.65	135.5	14.90
		423.0	96.1	8.40	104.0	9.95	113.4	11.59	123.2	13.05	126.9	13.36	131.8	13.70	135.5	13.95
		528.8	96.1	8.15	104.0	9.73	113.4	11.34	123.2	12.79	126.9	13.10	131.8	13.45	135.5	13.57
		634.5	96.1	8.02	104.0	9.63	113.4	11.21	123.2	12.66	126.9	12.98	131.8	13.32	135.5	13.38
	20	169.2	96.1	11.48	104.0	13.32	113.4	15.54	123.2	17.48	126.9	17.91	131.8	18.35	135.5	18.66
		211.5	96.1	11.24	104.0	13.10	113.4	15.29	123.2	17.20	126.9	17.62	131.8	18.05	135.5	18.36
		423.0	96.1	10.34	104.0	12.27	113.4	14.30	123.2	16.08	126.9	16.46	131.8	16.89	135.5	17.20
		528.8	96.1	10.05	104.0	12.02	113.4	13.99	123.2	15.77	126.9	16.16	131.8	16.59	135.5	16.76
		634.5	96.1	9.91	104.0	11.89	113.4	13.84	123.2	15.61	126.9	16.00	131.8	16.44	135.5	16.54
	25	169.2	96.1	13.98	104.0	16.25	113.4	18.93	123.2	21.33	126.9	21.85	131.8	22.38	135.5	22.77
		211.5	96.1	13.70	104.0	15.98	113.4	18.63	123.2	20.99	126.9	21.50	131.8	22.01	135.5	22.41
		423.0	96.1	12.62	104.0	14.95	113.4	17.41	123.2	19.61	126.9	20.09	131.8	20.59	135.5	20.99
		528.8	96.1	12.27	104.0	14.65	113.4	17.06	123.2	19.22	126.9	19.70	131.8	20.21	135.5	20.43
		634.5	96.1	12.09	104.0	14.50	113.4	16.88	123.2	19.02	126.9	19.50	131.8	20.01	135.5	20.15
	30	169.2	96.1	17.20	104.0	20.01	113.4	23.31	123.2	26.23	126.9	26.85	131.8	27.50	135.5	28.02
		211.5	96.1	16.85	104.0	19.69	113.4	22.93	123.2	25.80	126.9	26.42	131.8	27.06	135.5	27.57
		423.0	96.1	15.51	104.0	18.40	113.4	21.42	123.2	24.13	126.9	24.70	131.8	25.33	135.5	25.80
		528.8	96.1	15.08	104.0	18.01	113.4	20.99	123.2	23.66	126.9	24.26	131.8	24.86	135.5	25.12
		634.5	96.1	14.87	104.0	17.82	113.4	20.76	123.2	23.42	126.9	24.03	131.8	24.63	135.5	24.78
	35	169.2	91.3	18.16	99.0	21.10	107.7	24.57	117.0	27.68	120.6	28.34	125.3	29.02	128.8	29.56
		211.5	91.3	17.79	99.0	20.76	107.7	24.18	117.0	27.23	120.6	27.88	125.3	28.57	128.8	29.09
		423.0	91.3	16.37	99.0	19.43	107.7	22.62	117.0	25.47	120.6	26.07	125.3	26.75	128.8	27.23
		528.8	91.3	15.94	99.0	19.00	107.7	22.15	117.0	24.99	120.6	25.59	125.3	26.25	128.8	26.51
		634.5	91.3	15.73	99.0	18.79	107.7	21.91	117.0	24.75	120.6	25.35	125.3	25.99	128.8	26.14
	40	169.2	86.4	20.39	93.7	23.70	102.0	27.60	110.9	31.06	114.2	31.80	118.8	32.57	121.9	33.14
		211.5	86.4	19.99	93.7	23.31	102.0	27.15	110.9	30.55	114.2	31.29	118.8	32.05	121.9	32.62
		423.0	86.4	18.36	93.7	21.79	102.0	25.37	110.9	28.57	114.2	29.26	118.8	30.00	121.9	30.54
		528.8	86.4	17.87	93.7	21.32	102.0	24.85	110.9	28.02	114.2	28.70	118.8	29.44	121.9	29.74
		634.5	86.4	17.63	93.7	21.09	102.0	24.60	110.9	27.74	114.2	28.42	118.8	29.16	121.9	29.33

7. Capacity tables

Cooling Capacity (44 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	45	169.2	81.6	22.63	88.4	26.28	96.3	30.62	104.7	34.45	107.9	35.25	112.2	36.12	115.2	36.74
		211.5	81.6	22.17	88.4	25.85	96.3	30.11	104.7	33.88	107.9	34.69	112.2	35.55	115.2	36.16
		423.0	81.6	20.35	88.4	24.16	96.3	28.13	104.7	31.67	107.9	32.44	112.2	33.24	115.2	33.86
		528.8	81.6	19.80	88.4	23.64	96.3	27.56	104.7	31.03	107.9	31.81	112.2	32.63	115.2	32.97
		634.5	81.6	19.54	88.4	23.39	96.3	27.28	104.7	30.73	107.9	31.50	112.2	32.33	115.2	32.53
90	10	169.2	86.4	5.88	93.7	6.83	102.0	7.96	110.9	9.01	114.2	9.18	118.8	9.36	121.9	9.65
		211.5	86.4	5.76	93.7	6.73	102.0	7.84	110.9	8.87	114.2	9.04	118.8	9.25	121.9	9.49
		423.0	86.4	5.33	93.7	6.34	102.0	7.36	110.9	8.31	114.2	8.49	118.8	8.74	121.9	8.87
		528.8	86.4	5.18	93.7	6.14	102.0	7.21	110.9	8.08	114.2	8.33	118.8	8.58	121.9	8.58
		634.5	86.4	5.11	93.7	6.03	102.0	7.14	110.9	7.97	114.2	8.24	118.8	8.49	121.9	8.44
	15	169.2	86.4	8.00	93.7	9.30	102.0	10.82	110.9	12.22	114.2	12.48	118.8	12.78	121.9	13.05
		211.5	86.4	7.84	93.7	9.15	102.0	10.66	110.9	12.02	114.2	12.28	118.8	12.58	121.9	12.84
		423.0	86.4	7.23	93.7	8.57	102.0	9.96	110.9	11.23	114.2	11.50	118.8	11.80	121.9	12.02
		528.8	86.4	7.02	93.7	8.36	102.0	9.77	110.9	10.99	114.2	11.28	118.8	11.59	121.9	11.68
		634.5	86.4	6.92	93.7	8.26	102.0	9.68	110.9	10.87	114.2	11.18	118.8	11.47	121.9	11.51
	20	169.2	86.4	9.89	93.7	11.48	102.0	13.37	110.9	15.07	114.2	15.42	118.8	15.81	121.9	16.07
		211.5	86.4	9.69	93.7	11.29	102.0	13.15	110.9	14.82	114.2	15.17	118.8	15.55	121.9	15.82
		423.0	86.4	8.92	93.7	10.56	102.0	12.28	110.9	13.84	114.2	14.18	118.8	14.52	121.9	14.82
		528.8	86.4	8.67	93.7	10.34	102.0	12.06	110.9	13.57	114.2	13.92	118.8	14.26	121.9	14.43
		634.5	86.4	8.54	93.7	10.23	102.0	11.94	110.9	13.45	114.2	13.78	118.8	14.13	121.9	14.23
	25	169.2	86.4	12.04	93.7	14.02	102.0	16.30	110.9	18.36	114.2	18.78	118.8	19.26	121.9	19.61
		211.5	86.4	11.80	93.7	13.78	102.0	16.03	110.9	18.06	114.2	18.48	118.8	18.96	121.9	19.29
		423.0	86.4	10.86	93.7	12.88	102.0	14.99	110.9	16.89	114.2	17.28	118.8	17.74	121.9	18.05
		528.8	86.4	10.56	93.7	12.58	102.0	14.70	110.9	16.55	114.2	16.97	118.8	17.41	121.9	17.58
		634.5	86.4	10.40	93.7	12.43	102.0	14.55	110.9	16.38	114.2	16.82	118.8	17.24	121.9	17.35
	30	169.2	86.4	14.82	93.7	17.22	102.0	20.05	110.9	22.60	114.2	23.11	118.8	23.70	121.9	24.12
		211.5	86.4	14.51	93.7	16.94	102.0	19.73	110.9	22.23	114.2	22.75	118.8	23.31	121.9	23.74
		423.0	86.4	13.36	93.7	15.82	102.0	18.45	110.9	20.76	114.2	21.28	118.8	21.80	121.9	22.20
		528.8	86.4	12.98	93.7	15.50	102.0	18.06	110.9	20.38	114.2	20.86	118.8	21.42	121.9	21.62
		634.5	86.4	12.79	93.7	15.35	102.0	17.87	110.9	20.19	114.2	20.64	118.8	21.23	121.9	21.33
	35	169.2	84.1	16.00	91.1	18.57	99.2	21.63	107.8	24.35	111.0	24.93	115.3	25.53	118.5	26.00
		211.5	84.1	15.68	91.1	18.26	99.2	21.28	107.8	23.96	111.0	24.52	115.3	25.13	118.5	25.59
		423.0	84.1	14.40	91.1	17.07	99.2	19.91	107.8	22.41	111.0	22.94	115.3	23.52	118.5	23.96
		528.8	84.1	14.00	91.1	16.72	99.2	19.48	107.8	21.98	111.0	22.52	115.3	23.09	118.5	23.32
		634.5	84.1	13.81	91.1	16.55	99.2	19.27	107.8	21.76	111.0	22.32	115.3	22.88	118.5	23.00
	40	169.2	81.7	18.37	88.4	21.33	96.4	24.84	104.7	27.98	107.9	28.64	112.1	29.34	115.2	29.86
		211.5	81.7	18.00	88.4	20.99	96.4	24.44	104.7	27.53	107.9	28.18	112.1	28.87	115.2	29.39
		423.0	81.7	16.55	88.4	19.62	96.4	22.88	104.7	25.74	107.9	26.36	112.1	27.02	115.2	27.53
		528.8	81.7	16.08	88.4	19.21	96.4	22.41	104.7	25.25	107.9	25.85	112.1	26.54	115.2	26.79
		634.5	81.7	15.84	88.4	19.01	96.4	22.17	104.7	25.00	107.9	25.60	112.1	26.29	115.2	26.43
	45	169.2	79.2	20.74	85.9	24.08	93.6	28.04	101.6	31.62	104.7	32.35	108.7	33.14	111.9	33.71
		211.5	79.2	20.33	85.9	23.70	93.6	27.60	101.6	31.10	104.7	31.84	108.7	32.61	111.9	33.19
		423.0	79.2	18.70	85.9	22.16	93.6	25.84	101.6	29.06	104.7	29.80	108.7	30.52	111.9	31.10
		528.8	79.2	18.16	85.9	21.70	93.6	25.32	101.6	28.52	104.7	29.18	108.7	29.98	111.9	30.28
		634.5	79.2	17.88	85.9	21.47	93.6	25.07	101.6	28.24	104.7	28.87	108.7	29.70	111.9	29.86
80	10	169.2	76.9	5.00	83.2	5.72	90.7	6.66	98.6	7.58	101.5	7.70	105.5	7.92	108.4	8.01
		211.5	76.9	4.88	83.2	5.65	90.7	6.56	98.6	7.45	101.5	7.59	105.5	7.79	108.4	7.88
		423.0	76.9	4.46	83.2	5.34	90.7	6.18	98.6	6.92	101.5	7.12	105.5	7.26	108.4	7.39
		528.8	76.9	4.38	83.2	5.18	90.7	6.06	98.6	6.81	101.5	6.94	105.5	7.14	108.4	7.21
		634.5	76.9	4.34	83.2	5.09	90.7	6.00	98.6	6.75	101.5	6.86	105.5	7.09	108.4	7.11
	15	169.2	76.9	6.73	83.2	7.80	90.7	9.07	98.6	10.24	101.5	10.48	105.5	10.73	108.4	10.91
		211.5	76.9	6.59	83.2	7.67	90.7	8.92	98.6	10.08	101.5	10.30	105.5	10.56	108.4	10.73
		423.0	76.9	6.04	83.2	7.19	90.7	8.36	98.6	9.40	101.5	9.65	105.5	9.87	108.4	10.05
		528.8	76.9	5.91	83.2	7.02	90.7	8.19	98.6	9.23	101.5	9.44	105.5	9.70	108.4	9.78
		634.5	76.9	5.83	83.2	6.93	90.7	8.11	98.6	9.15	101.5	9.35	105.5	9.62	108.4	9.66
	20	169.2	76.9	8.27	83.2	9.63	90.7	11.22	98.6	12.62	101.5	12.92	105.5	13.23	108.4	13.49
		211.5	76.9	8.11	83.2	9.47	90.7	11.03	98.6	12.42	101.5	12.71	105.5	13.01	108.4	13.27
		423.0	76.9	7.45	83.2	8.84	90.7	10.30	98.6	11.60	101.5	11.89	105.5	12.19	108.4	12.42
		528.8	76.9	7.25	83.2	8.67	90.7	10.09	98.6	11.38	101.5	11.67	105.5	11.97	108.4	12.08
		634.5	76.9	7.14	83.2	8.57	90.7	9.97	98.6	11.27	101.5	11.56	105.5	11.85	108.4	11.91
	25	169.2	76.9	10.11	83.2	11.74	90.7	13.66	98.6	15.37	101.5	15.76	105.5	16.15	108.4	16.42
		211.5	76.9	9.91	83.2	11.55	90.7	13.45	98.6	15.13	101.5	15.50	105.5	15.89	108.4	16.17
		423.0	76.9	9.10	83.2	10.78	90.7	12.57	98.6	14.17	101.5	14.48	105.5	14.87	108.4	15.13
		528.8	76.9	8.84	83.2	10.56	90.7	12.32	98.6	13.88	101.5	14.22	105.5	14.60	108.4	14.73
		634.5	76.9	8.72	83.2	10.44	90.7	12.19	98.6	13.72	101.5	14.09	105.5	14.47	108.4	14.54
	30	169.2	76.9	12.40	83.2	14.42	90.7	16.82	98.6	18.92	101.5	19.35	105.5	19.83	108.4	20.22
		211.5	76.9	12.16	83.2	14.18	90.7	16.54	98.6	18.62	101.5	19.05	105.5	19.52	108.4	19.90
		423.0	76.9	11.19	83.2	13.27	90.7	15.46	98.6	17.41	101.5	17.83	105.5	18.27	108.4	18.62
		528.8	76.9	10.90	83.2	12.98	90.7	15.13	98.6	17.07	101.5	17.49	105.5	17.93	108.4	18.14
		634.5	76.9	10.75	83.2	12.83	90.7	14.95	98.6	16.90	101.5	17.32	105.5	17.75	108.4	17.90
	35	169.2	76.9	13.80	83.2	16.03	90.7	18.66	98.6	21.03	101.5	21.55	105.5	22.08	108.4	22.47
		211.5	76.9	13.52	83.2	15.77	90.7	18.36	98.6	20.69	101.5	21.20	105.5	21.72	108.4	22.10
		423.0	76.9	12.45	83.2	14.74	90.7	17.20	98.6	19.35	101.5	19.81	105.5	20.30	108.4	20.68
		528.8	76.9	12.10	83.2	14.43	90.7	16.84	98.6	18.97	101.5	19.44	105.5	19.95	108.4	20.12
		634.5	76.9	11.93	83.2	14.27	90.7	16.67	98.6	18.77	101.5	19.25	105.5	19.76	108.4	19.85
	40	169.2	76.9	16.35	83.2	19.01	90.7	22.13	98.6	24.93	101.5	25.50	105.5	26.14	108.4	26.59
		211.5	76.9	16.02	83.2	18.69	90.7	21.76	98.6	24.51	101.5	25.08	105.5	25.72	108.4	26.16
		423.0	76.9	14.73	83.2	17.46	90.7	20.34	98.6	22.93	101.5	23.44	105.5	24.04	108.4	24.48
		528.8	76.9	14.31	83.2	17.10	90.7	19.92	98.6	22.46	101.5	23.00	105.5	23.61	108.4	23.84
		634.5	76.9	14.09	83.2	16.92	90.7	19.70	98.6	22.22	101.5	22.79	105.5	23.40	108.4	23.52

7. Capacity tables

Cooling Capacity (44 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	169.2	76.9	18.91	83.2	21.98	90.7	25.60	98.6	28.81	101.5	29.44	105.5	30.19	108.4	30.70
		211.5	76.9	18.52	83.2	21.61	90.7	25.17	98.6	28.34	101.5	28.97	105.5	29.71	108.4	30.21
		423.0	76.9	17.01	83.2	20.17	90.7	23.49	98.6	26.50	101.5	27.07	105.5	27.78	108.4	28.27
		528.8	76.9	16.51	83.2	19.76	90.7	22.98	98.6	25.94	101.5	26.58	105.5	27.27	108.4	27.55
		634.5	76.9	16.27	83.2	19.56	90.7	22.74	98.6	25.66	101.5	26.34	105.5	27.02	108.4	27.19
70	10	169.2	67.3	4.09	72.9	4.78	79.3	5.54	86.2	6.23	88.9	6.43	92.3	6.60	94.8	6.66
		211.5	67.3	4.02	72.9	4.69	79.3	5.44	86.2	6.15	88.9	6.34	92.3	6.49	94.8	6.56
		423.0	67.3	3.72	72.9	4.38	79.3	5.09	86.2	5.79	88.9	5.92	92.3	6.09	94.8	6.18
		528.8	67.3	3.63	72.9	4.28	79.3	5.02	86.2	5.65	88.9	5.77	92.3	5.93	94.8	6.01
		634.5	67.3	3.59	72.9	4.22	79.3	4.98	86.2	5.57	88.9	5.70	92.3	5.85	94.8	5.93
	15	169.2	67.3	5.58	72.9	6.49	79.3	7.54	86.2	8.49	88.9	8.71	92.3	8.93	94.8	9.07
		211.5	67.3	5.46	72.9	6.39	79.3	7.41	86.2	8.36	88.9	8.57	92.3	8.78	94.8	8.92
		423.0	67.3	5.03	72.9	5.95	79.3	6.93	86.2	7.83	88.9	8.01	92.3	8.23	94.8	8.36
		528.8	67.3	4.91	72.9	5.83	79.3	6.81	86.2	7.67	88.9	7.85	92.3	8.06	94.8	8.15
		634.5	67.3	4.83	72.9	5.76	79.3	6.74	86.2	7.59	88.9	7.77	92.3	7.97	94.8	8.03
	20	169.2	67.3	6.91	72.9	8.01	79.3	9.32	86.2	10.50	88.9	10.73	92.3	11.00	94.8	11.22
		211.5	67.3	6.76	72.9	7.88	79.3	9.18	86.2	10.33	88.9	10.56	92.3	10.82	94.8	11.03
		423.0	67.3	6.20	72.9	7.36	79.3	8.58	86.2	9.66	88.9	9.87	92.3	10.14	94.8	10.30
		528.8	67.3	6.03	72.9	7.20	79.3	8.40	86.2	9.47	88.9	9.70	92.3	9.95	94.8	10.04
		634.5	67.3	5.94	72.9	7.12	79.3	8.31	86.2	9.38	88.9	9.62	92.3	9.86	94.8	9.91
	25	169.2	67.3	8.40	72.9	9.77	79.3	11.35	86.2	12.80	88.9	13.10	92.3	13.40	94.8	13.66
		211.5	67.3	8.23	72.9	9.61	79.3	11.16	86.2	12.58	88.9	12.89	92.3	13.19	94.8	13.45
		423.0	67.3	7.58	72.9	8.96	79.3	10.46	86.2	11.76	88.9	12.06	92.3	12.37	94.8	12.58
		528.8	67.3	7.36	72.9	8.78	79.3	10.24	86.2	11.55	88.9	11.81	92.3	12.11	94.8	12.24
		634.5	67.3	7.25	72.9	8.70	79.3	10.14	86.2	11.44	88.9	11.68	92.3	11.99	94.8	12.07
	30	169.2	67.3	10.33	72.9	11.99	79.3	13.98	86.2	15.74	88.9	16.11	92.3	16.50	94.8	16.82
		211.5	67.3	10.13	72.9	11.80	79.3	13.74	86.2	15.47	88.9	15.85	92.3	16.24	94.8	16.54
		423.0	67.3	9.30	72.9	11.03	79.3	12.85	86.2	14.47	88.9	14.83	92.3	15.21	94.8	15.46
		528.8	67.3	9.05	72.9	10.81	79.3	12.58	86.2	14.18	88.9	14.55	92.3	14.91	94.8	15.08
		634.5	67.3	8.92	72.9	10.70	79.3	12.45	86.2	14.04	88.9	14.41	92.3	14.76	94.8	14.89
	35	169.2	67.3	11.48	72.9	13.32	79.3	15.54	86.2	17.48	88.9	17.91	92.3	18.35	94.8	18.66
		211.5	67.3	11.24	72.9	13.10	79.3	15.29	86.2	17.20	88.9	17.62	92.3	18.05	94.8	18.36
		423.0	67.3	10.34	72.9	12.27	79.3	14.27	86.2	16.08	88.9	16.46	92.3	16.89	94.8	17.20
		528.8	67.3	10.05	72.9	11.99	79.3	13.99	86.2	15.77	88.9	16.16	92.3	16.58	94.8	16.76
		634.5	67.3	9.91	72.9	11.84	79.3	13.86	86.2	15.61	88.9	16.00	92.3	16.43	94.8	16.54
	40	169.2	67.3	13.60	72.9	15.76	79.3	18.40	86.2	20.72	88.9	21.20	92.3	21.71	94.8	22.10
		211.5	67.3	13.32	72.9	15.51	79.3	18.10	86.2	20.38	88.9	20.86	92.3	21.37	94.8	21.75
		423.0	67.3	12.24	72.9	14.52	79.3	16.93	86.2	19.05	88.9	19.51	92.3	19.99	94.8	20.38
		528.8	67.3	11.90	72.9	14.21	79.3	16.55	86.2	18.67	88.9	19.14	92.3	19.64	94.8	19.82
		634.5	67.3	11.72	72.9	14.06	79.3	16.36	86.2	18.47	88.9	18.94	92.3	19.47	94.8	19.54
	45	169.2	67.3	15.71	72.9	18.22	79.3	21.24	86.2	23.95	88.9	24.49	92.3	25.09	94.8	25.55
		211.5	67.3	15.39	72.9	17.93	79.3	20.91	86.2	23.56	88.9	24.10	92.3	24.69	94.8	25.15
		423.0	67.3	14.15	72.9	16.78	79.3	19.59	86.2	22.01	88.9	22.55	92.3	23.09	94.8	23.56
		528.8	67.3	13.74	72.9	16.44	79.3	19.11	86.2	21.55	88.9	22.11	92.3	22.71	94.8	22.89
		634.5	67.3	13.54	72.9	16.27	79.3	18.86	86.2	21.32	88.9	21.89	92.3	22.51	94.8	22.54
60	10	169.2	57.6	3.27	62.5	3.79	67.9	4.39	73.9	5.01	76.1	5.14	79.2	5.22	81.4	5.33
		211.5	57.6	3.20	62.5	3.73	67.9	4.33	73.9	4.92	76.1	5.06	79.2	5.14	81.4	5.24
		423.0	57.6	2.95	62.5	3.48	67.9	4.11	73.9	4.59	76.1	4.69	79.2	4.84	81.4	4.92
		528.8	57.6	2.83	62.5	3.45	67.9	4.02	73.9	4.52	76.1	4.62	79.2	4.72	81.4	4.80
		634.5	57.6	2.77	62.5	3.43	67.9	3.98	73.9	4.48	76.1	4.58	79.2	4.66	81.4	4.74
	15	169.2	57.6	4.45	62.5	5.17	67.9	6.00	73.9	6.78	76.1	6.96	79.2	7.10	81.4	7.22
		211.5	57.6	4.36	62.5	5.08	67.9	5.91	73.9	6.67	76.1	6.85	79.2	6.98	81.4	7.12
		423.0	57.6	4.01	62.5	4.74	67.9	5.55	73.9	6.24	76.1	6.39	79.2	6.55	81.4	6.67
		528.8	57.6	3.89	62.5	4.65	67.9	5.43	73.9	6.12	76.1	6.26	79.2	6.41	81.4	6.50
		634.5	57.6	3.82	62.5	4.61	67.9	5.37	73.9	6.06	76.1	6.19	79.2	6.35	81.4	6.41
	20	169.2	57.6	5.49	62.5	6.39	67.9	7.44	73.9	8.36	76.1	8.58	79.2	8.77	81.4	8.93
		211.5	57.6	5.39	62.5	6.29	67.9	7.32	73.9	8.23	76.1	8.44	79.2	8.63	81.4	8.78
		423.0	57.6	4.95	62.5	5.87	67.9	6.85	73.9	7.71	76.1	7.88	79.2	8.07	81.4	8.23
		528.8	57.6	4.82	62.5	5.73	67.9	6.68	73.9	7.54	76.1	7.72	79.2	7.92	81.4	8.01
		634.5	57.6	4.75	62.5	5.67	67.9	6.60	73.9	7.45	76.1	7.64	79.2	7.86	81.4	7.91
	25	169.2	57.6	6.68	62.5	7.80	67.9	9.06	73.9	10.20	76.1	10.44	79.2	10.69	81.4	10.90
		211.5	57.6	6.55	62.5	7.67	67.9	8.92	73.9	10.04	76.1	10.26	79.2	10.52	81.4	10.72
		423.0	57.6	6.03	62.5	7.16	67.9	8.32	73.9	9.39	76.1	9.61	79.2	9.86	81.4	10.04
		528.8	57.6	5.87	62.5	6.98	67.9	8.15	73.9	9.18	76.1	9.43	79.2	9.66	81.4	9.77
		634.5	57.6	5.78	62.5	6.90	67.9	8.07	73.9	9.07	76.1	9.35	79.2	9.56	81.4	9.65
	30	169.2	57.6	8.22	62.5	9.55	67.9	11.13	73.9	12.52	76.1	12.84	79.2	13.14	81.4	13.41
		211.5	57.6	8.06	62.5	9.40	67.9	10.95	73.9	12.33	76.1	12.63	79.2	12.94	81.4	13.19
		423.0	57.6	7.41	62.5	8.79	67.9	10.25	73.9	11.55	76.1	11.81	79.2	12.11	81.4	12.33
		528.8	57.6	7.20	62.5	8.62	67.9	10.04	73.9	11.33	76.1	11.60	79.2	11.90	81.4	12.02
		634.5	57.6	7.10	62.5	8.53	67.9	9.93	73.9	11.22	76.1	11.48	79.2	11.79	81.4	11.86
	35	169.2	57.6	9.15	62.5	10.64	67.9	12.40	73.9	13.93	76.1	14.28	79.2	14.63	81.4	14.88
		211.5	57.6	8.96	62.5	10.46	67.9	12.19	73.9	13.70	76.1	14.04	79.2	14.40	81.4	14.65
		423.0	57.6	8.24	62.5	9.77	67.9	11.38	73.9	12.84	76.1	13.14	79.2	13.45	81.4	13.70
		528.8	57.6	8.01	62.5	9.57	67.9	11.16	73.9	12.57	76.1	12.89	79.2	13.22	81.4	13.36
		634.5	57.6	7.90	62.5	9.46	67.9	11.05	73.9	12.45	76.1	12.76	79.2	13.11	81.4	13.18
	40	169.2	57.6	10.82	62.5	12.57	67.9	14.67	73.9	16.51	76.1	16.91	79.2	17.30	81.4	17.64
		211.5	57.6	10.61	62.5	12.38	67.9	14.43	73.9	16.24	76.1	16.63	79.2	17.02	81.4	17.36
		423.0	57.6	9.77	62.5	11.59	67.9	13.48	73.9	15.18	76.1	15.55	79.2	15.94	81.4	16.24
		528.8	57.6	9.48	62.5	11.33	67.9	13.22	73.9	14.88	76.1	15.25	79.2	15.65	81.4	15.81
		634.5	57.6	9.34	62.5	11.20	67.9	13.09	73.9	14.72	76.1	15.10	79.2	15.50	81.4	15.59

7. Capacity tables

Cooling Capacity (44 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	45	169.2	57.6	12.48	62.5	14.51	67.9	16.94	73.9	19.09	76.1	19.53	79.2	19.96	81.4	20.40
		211.5	57.6	12.24	62.5	14.29	67.9	16.68	73.9	18.77	76.1	19.21	79.2	19.65	81.4	20.08
		423.0	57.6	11.31	62.5	13.40	67.9	15.60	73.9	17.51	76.1	17.97	79.2	18.43	81.4	18.77
		528.8	57.6	10.95	62.5	13.09	67.9	15.29	73.9	17.17	76.1	17.62	79.2	18.07	81.4	18.25
		634.5	57.6	10.77	62.5	12.94	67.9	15.13	73.9	17.00	76.1	17.44	79.2	17.89	81.4	18.00
50	10	169.2	48.0	2.44	52.0	2.81	56.7	3.35	61.6	3.70	63.4	3.79	66.0	3.91	67.8	3.97
		211.5	48.0	2.39	52.0	2.78	56.7	3.29	61.6	3.64	63.4	3.75	66.0	3.84	67.8	3.91
		423.0	48.0	2.17	52.0	2.61	56.7	3.07	61.6	3.45	63.4	3.56	66.0	3.56	67.8	3.64
		528.8	48.0	2.12	52.0	2.61	56.7	3.00	61.6	3.36	63.4	3.41	66.0	3.53	67.8	3.54
		634.5	48.0	2.09	52.0	2.61	56.7	2.95	61.6	3.31	63.4	3.33	66.0	3.51	67.8	3.49
	15	169.2	48.0	3.31	52.0	3.85	56.7	4.51	61.6	5.04	63.4	5.17	66.0	5.30	67.8	5.40
		211.5	48.0	3.24	52.0	3.79	56.7	4.43	61.6	4.96	63.4	5.09	66.0	5.21	67.8	5.31
		423.0	48.0	2.98	52.0	3.54	56.7	4.14	61.6	4.65	63.4	4.78	66.0	4.88	67.8	4.96
		528.8	48.0	2.89	52.0	3.49	56.7	4.05	61.6	4.56	63.4	4.65	66.0	4.79	67.8	4.84
		634.5	48.0	2.85	52.0	3.46	56.7	4.02	61.6	4.51	63.4	4.60	66.0	4.75	67.8	4.77
	20	169.2	48.0	4.09	52.0	4.78	56.7	5.52	61.6	6.23	63.4	6.39	66.0	6.53	67.8	6.65
		211.5	48.0	4.01	52.0	4.69	56.7	5.44	61.6	6.13	63.4	6.29	66.0	6.42	67.8	6.55
		423.0	48.0	3.69	52.0	4.36	56.7	5.09	61.6	5.73	63.4	5.87	66.0	6.03	67.8	6.13
		528.8	48.0	3.58	52.0	4.27	56.7	4.99	61.6	5.64	63.4	5.77	66.0	5.91	67.8	5.98
		634.5	48.0	3.52	52.0	4.23	56.7	4.95	61.6	5.59	63.4	5.72	66.0	5.85	67.8	5.92
	25	169.2	48.0	4.98	52.0	5.78	56.7	6.74	61.6	7.62	63.4	7.80	66.0	7.97	67.8	8.10
		211.5	48.0	4.88	52.0	5.69	56.7	6.64	61.6	7.49	63.4	7.67	66.0	7.84	67.8	7.97
		423.0	48.0	4.49	52.0	5.34	56.7	6.21	61.6	6.98	63.4	7.16	66.0	7.34	67.8	7.49
		528.8	48.0	4.36	52.0	5.21	56.7	6.08	61.6	6.86	63.4	7.02	66.0	7.20	67.8	7.29
		634.5	48.0	4.28	52.0	5.15	56.7	6.02	61.6	6.79	63.4	6.96	66.0	7.13	67.8	7.18
	30	169.2	48.0	6.15	52.0	7.15	56.7	8.33	61.6	9.37	63.4	9.60	66.0	9.81	67.8	9.99
		211.5	48.0	6.02	52.0	7.02	56.7	8.18	61.6	9.22	63.4	9.43	66.0	9.66	67.8	9.82
		423.0	48.0	5.52	52.0	6.55	56.7	7.64	61.6	8.62	63.4	8.79	66.0	9.05	67.8	9.18
		528.8	48.0	5.39	52.0	6.41	56.7	7.49	61.6	8.44	63.4	8.66	66.0	8.87	67.8	8.96
		634.5	48.0	5.31	52.0	6.35	56.7	7.43	61.6	8.36	63.4	8.58	66.0	8.78	67.8	8.86
	35	169.2	48.0	6.82	52.0	7.92	56.7	9.24	61.6	10.39	63.4	10.65	66.0	10.90	67.8	11.08
		211.5	48.0	6.68	52.0	7.80	56.7	9.09	61.6	10.21	63.4	10.47	66.0	10.72	67.8	10.91
		423.0	48.0	6.16	52.0	7.29	56.7	8.49	61.6	9.57	63.4	9.78	66.0	10.04	67.8	10.21
		528.8	48.0	5.98	52.0	7.15	56.7	8.31	61.6	9.39	63.4	9.61	66.0	9.86	67.8	9.95
		634.5	48.0	5.91	52.0	7.08	56.7	8.23	61.6	9.30	63.4	9.52	66.0	9.77	67.8	9.82
	40	169.2	48.0	8.10	52.0	9.38	56.7	10.95	61.6	12.31	63.4	12.61	66.0	12.91	67.8	13.14
		211.5	48.0	7.92	52.0	9.23	56.7	10.76	61.6	12.11	63.4	12.41	66.0	12.70	67.8	12.94
		423.0	48.0	7.28	52.0	8.63	56.7	10.05	61.6	11.33	63.4	11.60	66.0	11.90	67.8	12.10
		528.8	48.0	7.07	52.0	8.44	56.7	9.86	61.6	11.12	63.4	11.38	66.0	11.67	67.8	11.77
		634.5	48.0	6.97	52.0	8.35	56.7	9.76	61.6	11.00	63.4	11.27	66.0	11.56	67.8	11.60
	45	169.2	48.0	9.37	52.0	10.83	56.7	12.65	61.6	14.24	63.4	14.57	66.0	14.92	67.8	15.20
		211.5	48.0	9.18	52.0	10.66	56.7	12.45	61.6	14.00	63.4	14.34	66.0	14.69	67.8	14.95
		423.0	48.0	8.40	52.0	9.96	56.7	11.61	61.6	13.09	63.4	13.41	66.0	13.75	67.8	13.98
		528.8	48.0	8.15	52.0	9.74	56.7	11.41	61.6	12.84	63.4	13.15	66.0	13.47	67.8	13.59
		634.5	48.0	8.03	52.0	9.64	56.7	11.31	61.6	12.71	63.4	13.02	66.0	13.35	67.8	13.39

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB480LAS4

Cooling Capacity (48 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (48 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (48 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (48 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (48 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB500LAS4

Cooling Capacity (50 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	192.0	130.2	9.23	141.0	10.82	153.5	12.59	166.7	14.14	171.8	14.43	178.5	14.92	183.5	15.12
		240.0	130.2	9.06	141.0	10.63	153.5	12.39	166.7	13.89	171.8	14.23	178.5	14.68	183.5	14.90
		480.0	130.2	8.40	141.0	9.87	153.5	11.53	166.7	13.01	171.8	13.38	178.5	13.67	183.5	13.99
		600.0	130.2	8.17	141.0	9.72	153.5	11.34	166.7	12.71	171.8	13.10	178.5	13.43	183.5	13.62
		720.0	130.2	8.05	141.0	9.65	153.5	11.24	166.7	12.57	171.8	12.96	178.5	13.30	183.5	13.42
	15	192.0	128.0	12.17	138.7	14.18	151.0	16.52	164.0	18.56	169.0	19.00	175.5	19.51	180.5	19.83
		240.0	128.0	11.93	138.7	13.94	151.0	16.25	164.0	18.26	169.0	18.70	175.5	19.19	180.5	19.54
		480.0	128.0	11.00	138.7	13.01	151.0	15.17	164.0	17.08	169.0	17.52	175.5	17.97	180.5	18.36
		600.0	128.0	10.70	138.7	12.76	151.0	14.87	164.0	16.74	169.0	17.18	175.5	17.62	180.5	17.92
		720.0	128.0	10.55	138.7	12.64	151.0	14.73	164.0	16.57	169.0	17.01	175.5	17.45	180.5	17.70
	20	192.0	126.2	14.78	136.7	17.16	148.8	20.00	161.8	22.51	166.5	23.05	173.0	23.59	178.0	24.03
		240.0	126.2	14.48	136.7	16.89	148.8	19.68	161.8	22.14	166.5	22.68	173.0	23.22	178.0	23.66
		480.0	126.2	13.30	136.7	15.81	148.8	18.41	161.8	20.72	166.5	21.21	173.0	21.80	178.0	22.24
		600.0	126.2	12.96	136.7	15.46	148.8	18.02	161.8	20.32	166.5	20.81	173.0	21.35	178.0	21.75
		720.0	126.2	12.79	136.7	15.29	148.8	17.82	161.8	20.13	166.5	20.62	173.0	21.13	178.0	21.50
	25	192.0	126.2	18.24	136.7	21.16	148.8	24.64	161.8	27.81	166.5	28.45	173.0	29.11	178.0	29.60
		240.0	126.2	17.87	136.7	20.81	148.8	24.25	161.8	27.34	166.5	27.98	173.0	28.67	178.0	29.16
		480.0	126.2	16.44	136.7	19.49	148.8	22.68	161.8	25.53	166.5	26.16	173.0	26.90	178.0	27.39
		600.0	126.2	15.95	136.7	19.05	148.8	22.24	161.8	25.04	166.5	25.67	173.0	26.36	178.0	26.80
		720.0	126.2	15.71	136.7	18.83	148.8	22.02	161.8	24.79	166.5	25.43	173.0	26.09	178.0	26.51
	30	192.0	126.2	21.89	136.7	25.40	148.8	29.58	161.8	33.33	166.5	34.12	173.0	34.95	178.0	35.54
		240.0	126.2	21.45	136.7	24.99	148.8	29.11	161.8	32.79	166.5	33.58	173.0	34.41	178.0	35.00
		480.0	126.2	19.68	136.7	23.37	148.8	27.24	161.8	30.63	166.5	31.42	173.0	32.25	178.0	32.89
		600.0	126.2	19.14	136.7	22.88	148.8	26.66	161.8	30.04	166.5	30.83	173.0	31.61	178.0	32.15
		720.0	126.2	18.87	136.7	22.63	148.8	26.36	161.8	29.75	166.5	30.53	173.0	31.29	178.0	31.78
	35	192.0	113.5	22.09	123.0	25.70	133.8	29.94	145.5	33.67	150.0	34.53	155.8	35.37	160.2	35.93
		240.0	113.5	21.65	123.0	25.28	133.8	29.45	145.5	33.14	150.0	33.97	155.8	34.80	160.2	35.39
		480.0	113.5	19.93	123.0	23.61	133.8	27.54	145.5	31.02	150.0	31.76	155.8	32.60	160.2	33.28
		600.0	113.5	19.39	123.0	23.12	133.8	26.95	145.5	30.39	150.0	31.17	155.8	31.96	160.2	32.50
		720.0	113.5	19.12	123.0	22.88	133.8	26.66	145.5	30.07	150.0	30.88	155.8	31.64	160.2	32.10
	40	192.0	101.0	23.34	109.3	27.10	119.0	31.59	129.3	35.52	133.3	36.35	138.5	37.24	142.3	37.92
		240.0	101.0	22.88	109.3	26.66	119.0	31.07	129.3	34.95	133.3	35.79	138.5	36.67	142.3	37.36
		480.0	101.0	21.01	109.3	24.94	119.0	29.06	129.3	32.69	133.3	33.53	138.5	34.41	142.3	35.10
		600.0	101.0	20.42	109.3	24.40	119.0	28.42	129.3	32.06	133.3	32.89	138.5	33.72	142.3	34.31
		720.0	101.0	20.13	109.3	24.13	119.0	28.10	129.3	31.74	133.3	32.57	138.5	33.38	142.3	33.92
	45	192.0	88.2	24.62	95.8	28.47	104.0	33.23	113.2	37.38	116.7	38.19	121.0	39.12	124.5	39.93
		240.0	88.2	24.10	95.8	28.03	104.0	32.69	113.2	36.77	116.7	37.60	121.0	38.54	124.5	39.32
		480.0	88.2	22.09	95.8	26.26	104.0	30.58	113.2	34.36	116.7	35.30	121.0	36.23	124.5	36.92
		600.0	88.2	21.45	95.8	25.67	104.0	29.90	113.2	33.72	116.7	34.61	121.0	35.49	124.5	36.13
		720.0	88.2	21.13	95.8	25.38	104.0	29.55	113.2	33.40	116.7	34.26	121.0	35.12	124.5	35.74
120	10	192.0	123.2	8.81	133.3	10.26	145.3	11.88	157.8	13.38	162.5	13.79	169.0	14.14	173.7	14.29
		240.0	123.2	8.62	133.3	10.09	145.3	11.71	157.8	13.18	162.5	13.55	169.0	13.89	173.7	14.07
		480.0	123.2	7.90	133.3	9.43	145.3	11.00	157.8	12.32	162.5	12.59	169.0	12.93	173.7	13.23
		600.0	123.2	7.68	133.3	9.13	145.3	10.75	157.8	12.03	162.5	12.42	169.0	12.69	173.7	12.94
		720.0	123.2	7.56	133.3	8.98	145.3	10.63	157.8	11.88	162.5	12.32	169.0	12.57	173.7	12.79
	15	192.0	121.8	11.68	131.8	13.57	143.7	15.76	156.0	17.77	160.7	18.21	167.0	18.65	171.7	18.95
		240.0	121.8	11.44	131.8	13.35	143.7	15.51	156.0	17.48	160.7	17.92	167.0	18.36	171.7	18.65
		480.0	121.8	10.51	131.8	12.47	143.7	14.53	156.0	16.35	160.7	16.74	167.0	17.18	171.7	17.52
		600.0	121.8	10.21	131.8	12.17	143.7	14.24	156.0	16.00	160.7	16.44	167.0	16.84	171.7	17.13
		720.0	121.8	10.06	131.8	12.03	143.7	14.09	156.0	15.83	160.7	16.30	167.0	16.67	171.7	16.94
	20	192.0	120.5	14.23	130.5	16.52	142.2	19.22	154.5	21.65	159.0	22.14	165.3	22.68	170.0	23.07
		240.0	120.5	13.94	130.5	16.25	142.2	18.90	154.5	21.30	159.0	21.80	165.3	22.34	170.0	22.73
		480.0	120.5	12.81	130.5	15.17	142.2	17.67	154.5	19.93	159.0	20.42	165.3	20.96	170.0	21.35
		600.0	120.5	12.47	130.5	14.87	142.2	17.33	154.5	19.54	159.0	20.03	165.3	20.52	170.0	20.86
		720.0	120.5	12.30	130.5	14.73	142.2	17.16	154.5	19.34	159.0	19.83	165.3	20.30	170.0	20.62
	25	192.0	120.5	17.48	130.5	20.32	142.2	23.66	154.5	26.58	159.0	27.24	165.3	27.93	170.0	28.42
		240.0	120.5	17.13	130.5	19.98	142.2	23.27	154.5	26.16	159.0	26.80	165.3	27.49	170.0	27.98
		480.0	120.5	15.76	130.5	18.65	142.2	21.75	154.5	24.50	159.0	25.08	165.3	25.72	170.0	26.26
		600.0	120.5	15.32	130.5	18.26	142.2	21.30	154.5	24.00	159.0	24.59	165.3	25.23	170.0	25.62
		720.0	120.5	15.09	130.5	18.06	142.2	21.08	154.5	23.76	159.0	24.35	165.3	24.99	170.0	25.31
	30	192.0	120.5	21.08	130.5	24.55	142.2	28.60	154.5	32.18	159.0	32.92	165.3	33.77	170.0	34.36
		240.0	120.5	20.67	130.5	24.15	142.2	28.13	154.5	31.66	159.0	32.40	165.3	33.23	170.0	33.82
		480.0	120.5	19.05	130.5	22.58	142.2	26.26	154.5	29.60	159.0	30.34	165.3	31.12	170.0	31.71
		600.0	120.5	18.51	130.5	22.09	142.2	25.72	154.5	29.01	159.0	29.75	165.3	30.53	170.0	30.98
		720.0	120.5	18.24	130.5	21.84	142.2	25.45	154.5	28.72	159.0	29.45	165.3	30.24	170.0	30.61
	35	192.0	110.2	21.65	119.5	25.16	130.0	29.28	141.3	32.99	145.5	33.77	151.2	34.56	155.5	35.20
		240.0	110.2	21.21	119.5	24.74	130.0	28.82	141.3	32.45	145.5	33.23	151.2	34.02	155.5	34.66
		480.0	110.2	19.49	119.5	23.12	130.0	26.95	141.3	30.34	145.5	31.07	151.2	31.91	155.5	32.50
		600.0	110.2	18.95	119.5	22.63	130.0	26.41	141.3	29.75	145.5	30.48	151.2	31.27	155.5	31.76
		720.0	110.2	18.68	119.5	22.38	130.0	26.14	141.3	29.45	145.5	30.19	151.2	30.95	155.5	31.39
	40	192.0	100.0	23.29	108.3	27.05	118.0	31.54	128.3	35.47	132.0	36.32	137.2	37.21	141.0	37.90
		240.0	100.0	22.83	108.3	26.61	118.0	31.02	128.3	34.90	132.0	35.74	137.2	36.62	141.0	37.31
		480.0	100.0	21.01	108.3	24.89	118.0	29.01	128.3	32.64	132.0	33.43	137.2	34.31	141.0	35.00
		600.0	100.0	20.42	108.3	24.35	118.0	28.42	128.3	32.01	132.0	32.84	137.2	33.68	141.0	34.17
		720.0	100.0	20.13	108.3	24.08	118.0	28.13	128.3	31.69	132.0	32.55	137.2	33.36	141.0	33.75

7. Capacity tables

Cooling Capacity (50 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	45	192.0	89.8	24.94	97.2	28.94	105.8	33.77	115.3	37.97	118.7	38.86	123.2	39.86	126.5	40.57
		240.0	89.8	24.45	97.2	28.47	105.8	33.23	115.3	37.36	118.7	38.24	123.2	39.22	126.5	39.96
		480.0	89.8	22.53	97.2	26.66	105.8	31.07	115.3	34.95	118.7	35.79	123.2	36.72	126.5	37.50
		600.0	89.8	21.89	97.2	26.07	105.8	30.44	115.3	34.26	118.7	35.20	123.2	36.08	126.5	36.57
		720.0	89.8	21.57	97.2	25.77	105.8	30.12	115.3	33.92	118.7	34.90	123.2	35.76	126.5	36.10
110	10	192.0	116.2	8.30	126.0	9.62	137.0	11.27	148.8	12.64	153.2	12.91	159.5	13.33	163.5	13.50
		240.0	116.2	8.15	126.0	9.45	137.0	11.07	148.8	12.44	153.2	12.72	159.5	13.11	163.5	13.30
		480.0	116.2	7.48	126.0	8.84	137.0	10.31	148.8	11.63	153.2	11.98	159.5	12.25	163.5	12.44
		600.0	116.2	7.29	126.0	8.66	137.0	10.06	148.8	11.46	153.2	11.63	159.5	12.02	163.5	12.15
		720.0	116.2	7.19	126.0	8.56	137.0	9.94	148.8	11.36	153.2	11.46	159.5	11.90	163.5	12.00
	15	192.0	115.5	11.12	125.0	12.93	136.2	15.07	148.0	16.96	152.5	17.35	158.5	17.82	162.8	18.11
		240.0	115.5	10.90	125.0	12.71	136.2	14.82	148.0	16.69	152.5	17.08	158.5	17.52	162.8	17.82
		480.0	115.5	10.01	125.0	11.88	136.2	13.84	148.0	15.61	152.5	16.00	158.5	16.40	162.8	16.69
		600.0	115.5	9.77	125.0	11.63	136.2	13.55	148.0	15.32	152.5	15.66	158.5	16.10	162.8	16.30
		720.0	115.5	9.65	125.0	11.51	136.2	13.40	148.0	15.17	152.5	15.49	158.5	15.95	162.8	16.10
	20	192.0	115.0	13.62	124.5	15.88	135.5	18.46	147.3	20.81	151.7	21.31	157.5	21.80	162.0	22.19
		240.0	115.0	13.35	124.5	15.61	135.5	18.16	147.3	20.47	151.7	20.96	157.5	21.45	162.0	21.84
		480.0	115.0	12.27	124.5	14.58	135.5	16.98	147.3	19.14	151.7	19.59	157.5	20.08	162.0	20.47
		600.0	115.0	11.98	124.5	14.28	135.5	16.64	147.3	18.75	151.7	19.24	157.5	19.73	162.0	19.98
		720.0	115.0	11.83	124.5	14.14	135.5	16.47	147.3	18.56	151.7	19.07	157.5	19.56	162.0	19.73
	25	192.0	115.0	16.67	124.5	19.41	135.5	22.60	147.3	25.45	151.7	26.04	157.5	26.68	162.0	27.17
		240.0	115.0	16.35	124.5	19.10	135.5	22.24	147.3	25.04	151.7	25.62	157.5	26.26	162.0	26.75
		480.0	115.0	15.07	124.5	17.87	135.5	20.81	147.3	23.42	151.7	24.00	157.5	24.59	162.0	25.08
		600.0	115.0	14.63	124.5	17.48	135.5	20.37	147.3	22.97	151.7	23.51	157.5	24.15	162.0	24.45
		720.0	115.0	14.41	124.5	17.28	135.5	20.15	147.3	22.75	151.7	23.27	157.5	23.93	162.0	24.13
	30	192.0	115.0	20.32	124.5	23.66	135.5	27.54	147.3	31.05	151.7	31.78	157.5	32.52	162.0	33.11
		240.0	115.0	19.93	124.5	23.27	135.5	27.10	147.3	30.53	151.7	31.27	157.5	32.01	162.0	32.60
		480.0	115.0	18.36	124.5	21.75	135.5	25.33	147.3	28.52	151.7	29.26	157.5	29.99	162.0	30.53
		600.0	115.0	17.87	124.5	21.30	135.5	24.84	147.3	27.98	151.7	28.67	157.5	29.40	162.0	29.80
		720.0	115.0	17.62	124.5	21.08	135.5	24.59	147.3	27.71	151.7	28.37	157.5	29.11	162.0	29.43
	35	192.0	107.0	21.18	116.0	24.59	126.3	28.64	137.2	32.28	141.3	33.04	146.8	33.82	151.0	34.46
		240.0	107.0	20.76	116.0	24.20	126.3	28.18	137.2	31.76	141.3	32.50	146.8	33.28	151.0	33.92
		480.0	107.0	19.10	116.0	22.63	126.3	26.36	137.2	29.70	141.3	30.39	146.8	31.17	151.0	31.76
		600.0	107.0	18.56	116.0	22.14	126.3	25.82	137.2	29.11	141.3	29.85	146.8	30.58	151.0	30.98
		720.0	107.0	18.29	116.0	21.89	126.3	25.55	137.2	28.81	141.3	29.58	146.8	30.29	151.0	30.58
	40	192.0	99.0	23.24	107.5	27.05	117.0	31.49	127.2	35.42	131.0	36.28	136.0	37.16	139.8	37.85
		240.0	99.0	22.78	107.5	26.61	117.0	30.98	127.2	34.85	131.0	35.69	136.0	36.57	139.8	37.26
		480.0	99.0	20.96	107.5	24.84	117.0	28.96	127.2	32.60	131.0	33.38	136.0	34.26	139.8	34.90
		600.0	99.0	20.37	107.5	24.30	117.0	28.37	127.2	31.96	131.0	32.79	136.0	33.63	139.8	34.02
		720.0	99.0	20.08	107.5	24.03	117.0	28.08	127.2	31.64	131.0	32.50	136.0	33.31	139.8	33.58
	45	192.0	91.2	25.28	99.0	29.50	107.5	34.34	117.0	38.56	120.5	39.52	125.3	40.50	128.8	41.24
		240.0	91.2	24.79	99.0	29.01	107.5	33.77	117.0	37.95	120.5	38.88	125.3	39.86	128.8	40.60
		480.0	91.2	22.83	99.0	27.05	107.5	31.56	117.0	35.49	120.5	36.38	125.3	37.36	128.8	38.04
		600.0	91.2	22.19	99.0	26.46	107.5	30.93	117.0	34.80	120.5	35.74	125.3	36.67	128.8	37.06
		720.0	91.2	21.87	99.0	26.16	107.5	30.61	117.0	34.46	120.5	35.42	125.3	36.33	128.8	36.57
100	10	192.0	109.2	7.85	118.2	9.13	128.8	10.48	140.0	11.95	144.2	12.12	149.8	12.54	154.0	12.76
		240.0	109.2	7.71	118.2	8.98	128.8	10.33	140.0	11.76	144.2	11.95	149.8	12.32	154.0	12.57
		480.0	109.2	7.09	118.2	8.37	128.8	9.72	140.0	11.02	144.2	11.24	149.8	11.53	154.0	11.76
		600.0	109.2	6.85	118.2	8.17	128.8	9.50	140.0	10.77	144.2	11.00	149.8	11.29	154.0	11.39
		720.0	109.2	6.73	118.2	8.07	128.8	9.37	140.0	10.65	144.2	10.87	149.8	11.17	154.0	11.19
	15	192.0	109.2	10.63	118.2	12.32	128.8	14.31	140.0	16.17	144.2	16.52	149.8	16.96	154.0	17.26
		240.0	109.2	10.41	118.2	12.13	128.8	14.09	140.0	15.90	144.2	16.25	149.8	16.69	154.0	16.98
		480.0	109.2	9.57	118.2	11.34	128.8	13.21	140.0	14.87	144.2	15.22	149.8	15.61	154.0	15.90
		600.0	109.2	9.28	118.2	11.09	128.8	12.91	140.0	14.58	144.2	14.92	149.8	15.32	154.0	15.46
		720.0	109.2	9.13	118.2	10.97	128.8	12.76	140.0	14.43	144.2	14.78	149.8	15.17	154.0	15.24
	20	192.0	109.2	13.08	118.2	15.17	128.8	17.72	140.0	19.91	144.2	20.42	149.8	20.91	154.0	21.25
		240.0	109.2	12.81	118.2	14.92	128.8	17.43	140.0	19.59	144.2	20.08	149.8	20.57	154.0	20.91
		480.0	109.2	11.78	118.2	13.99	128.8	16.30	140.0	18.31	144.2	18.75	149.8	19.24	154.0	19.59
		600.0	109.2	11.44	118.2	13.70	128.8	15.95	140.0	17.97	144.2	18.41	149.8	18.90	154.0	19.10
		720.0	109.2	11.27	118.2	13.55	128.8	15.78	140.0	17.79	144.2	18.24	149.8	18.73	154.0	18.85
	25	192.0	109.2	15.93	118.2	18.51	128.8	21.55	140.0	24.30	144.2	24.91	149.8	25.50	154.0	25.94
		240.0	109.2	15.61	118.2	18.21	128.8	21.21	140.0	23.91	144.2	24.50	149.8	25.08	154.0	25.53
		480.0	109.2	14.38	118.2	17.03	128.8	19.83	140.0	22.34	144.2	22.88	149.8	23.46	154.0	23.91
		600.0	109.2	13.99	118.2	16.69	128.8	19.44	140.0	21.89	144.2	22.43	149.8	23.02	154.0	23.27
		720.0	109.2	13.79	118.2	16.52	128.8	19.24	140.0	21.67	144.2	22.21	149.8	22.80	154.0	22.95
	30	192.0	109.2	19.59	118.2	22.80	128.8	26.56	140.0	29.89	144.2	30.58	149.8	31.32	154.0	31.93
		240.0	109.2	19.19	118.2	22.43	128.8	26.12	140.0	29.40	144.2	30.09	149.8	30.83	154.0	31.42
		480.0	109.2	17.67	118.2	20.96	128.8	24.40	140.0	27.49	144.2	28.13	149.8	28.86	154.0	29.40
		600.0	109.2	17.18	118.2	20.52	128.8	23.91	140.0	26.95	144.2	27.64	149.8	28.32	154.0	28.62
		720.0	109.2	16.94	118.2	20.30	128.8	23.66	140.0	26.68	144.2	27.39	149.8	28.05	154.0	28.23
	35	192.0	103.8	20.69	112.5	24.05	122.3	27.98	133.0	31.54	137.0	32.28	142.3	33.06	146.3	33.67
		240.0	103.8	20.27	112.5	23.66	122.3	27.54	133.0	31.02	137.0	31.76	142.3	32.55	146.3	33.14
		480.0	103.8	18.65	112.5	22.14	122.3	25.77	133.0	29.01	137.0	29.70	142.3	30.48	146.3	31.02
		600.0	103.8	18.16	112.5	21.65	122.3	25.23	133.0	28.47	137.0	29.16	142.3	29.90	146.3	30.19
		720.0	103.8	17.92	112.5	21.40	122.3	24.96	133.0	28.20	137.0	28.89	142.3	29.60	146.3	29.77
	40	192.0	98.2	23.24	106.5	27.00	116.0	31.44	126.0	35.37	129.8	36.23	135.0	37.11	138.5	37.75
		240.0	98.2	22.78	106.5	26.56	116.0	30.93	126.0	34.80	129.8	35.64	135.0	36.52	138.5	37.16
		480.0	98.2	20.91	106.5	24.84	116.0	28.91	126.0	32.55	129.8	33.33	135.0	34.17	138.5	34.80
		600.0	98.2	20.37	106.5	24.30	116.0	28.32	126.0	31.91	129.8	32.69	135.0	33.53	138.5	33.87
		720.0	98.2	20.10	106.5	24.03	116.0	28.03	126.0	31.59	129.8	32.37	135.0	33.21	138.5	33.40

7. Capacity tables

Cooling Capacity (50 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	45	192.0	92.7	25.82	100.5	29.94	109.5	34.88	119.0	39.22	122.7	40.16	127.5	41.16	130.8	41.85
		240.0	92.7	25.28	100.5	29.45	109.5	34.31	119.0	38.58	122.7	39.52	127.5	40.50	130.8	41.19
		480.0	92.7	23.17	100.5	27.54	109.5	32.06	119.0	36.08	122.7	36.96	127.5	37.85	130.8	38.58
		600.0	92.7	22.58	100.5	26.95	109.5	31.42	119.0	35.34	122.7	36.23	127.5	37.16	130.8	37.55
		720.0	92.7	22.29	100.5	26.66	109.5	31.10	119.0	34.98	122.7	35.86	127.5	36.82	130.8	37.04
90	10	192.0	98.2	6.68	106.5	7.76	116.0	9.06	126.0	10.26	129.8	10.45	135.0	10.65	138.5	11.00
		240.0	98.2	6.55	106.5	7.66	116.0	8.93	126.0	10.11	129.8	10.29	135.0	10.53	138.5	10.82
		480.0	98.2	6.09	106.5	7.24	116.0	8.37	126.0	9.50	129.8	9.69	135.0	9.97	138.5	10.11
		600.0	98.2	5.91	106.5	6.99	116.0	8.22	126.0	9.20	129.8	9.50	135.0	9.79	138.5	9.77
		720.0	98.2	5.82	106.5	6.85	116.0	8.15	126.0	9.06	129.8	9.40	135.0	9.69	138.5	9.60
	15	192.0	98.2	9.11	106.5	10.58	116.0	12.32	126.0	13.92	129.8	14.21	135.0	14.56	138.5	14.87
		240.0	98.2	8.93	106.5	10.41	116.0	12.13	126.0	13.70	129.8	13.99	135.0	14.33	138.5	14.63
		480.0	98.2	8.25	106.5	9.77	116.0	11.34	126.0	12.81	129.8	13.11	135.0	13.45	138.5	13.70
		600.0	98.2	8.00	106.5	9.52	116.0	11.14	126.0	12.52	129.8	12.86	135.0	13.21	138.5	13.30
		720.0	98.2	7.88	106.5	9.40	116.0	11.04	126.0	12.37	129.8	12.74	135.0	13.08	138.5	13.11
	20	192.0	98.2	11.27	106.5	13.08	116.0	15.22	126.0	17.18	129.8	17.57	135.0	18.02	138.5	18.31
		240.0	98.2	11.05	106.5	12.86	116.0	14.97	126.0	16.89	129.8	17.28	135.0	17.72	138.5	18.02
		480.0	98.2	10.16	106.5	12.03	116.0	13.99	126.0	15.76	129.8	16.15	135.0	16.54	138.5	16.89
		600.0	98.2	9.87	106.5	11.78	116.0	13.75	126.0	15.46	129.8	15.86	135.0	16.25	138.5	16.44
		720.0	98.2	9.72	106.5	11.66	116.0	13.62	126.0	15.32	129.8	15.71	135.0	16.10	138.5	16.22
	25	192.0	98.2	13.72	106.5	15.98	116.0	18.56	126.0	20.91	129.8	21.40	135.0	21.94	138.5	22.36
		240.0	98.2	13.45	106.5	15.71	116.0	18.26	126.0	20.57	129.8	21.06	135.0	21.60	138.5	21.99
		480.0	98.2	12.37	106.5	14.68	116.0	17.08	126.0	19.24	129.8	19.68	135.0	20.22	138.5	20.57
		600.0	98.2	12.03	106.5	14.33	116.0	16.74	126.0	18.85	129.8	19.34	135.0	19.83	138.5	20.03
		720.0	98.2	11.85	106.5	14.16	116.0	16.57	126.0	18.65	129.8	19.17	135.0	19.64	138.5	19.76
	30	192.0	98.2	16.89	106.5	19.61	116.0	22.85	126.0	25.75	129.8	26.34	135.0	27.00	138.5	27.49
		240.0	98.2	16.54	106.5	19.29	116.0	22.48	126.0	25.33	129.8	25.92	135.0	26.56	138.5	27.05
		480.0	98.2	15.22	106.5	18.02	116.0	21.01	126.0	23.66	129.8	24.25	135.0	24.84	138.5	25.28
		600.0	98.2	14.78	106.5	17.67	116.0	20.57	126.0	23.22	129.8	23.76	135.0	24.40	138.5	24.64
		720.0	98.2	14.55	106.5	17.50	116.0	20.35	126.0	23.00	129.8	23.51	135.0	24.18	138.5	24.32
	35	192.0	95.5	18.24	103.5	21.16	112.7	24.64	122.5	27.74	126.2	28.40	131.0	29.08	134.7	29.63
		240.0	95.5	17.87	103.5	20.81	112.7	24.25	122.5	27.29	126.2	27.93	131.0	28.62	134.7	29.16
		480.0	95.5	16.40	103.5	19.44	112.7	22.68	122.5	25.53	126.2	26.12	131.0	26.80	134.7	27.29
		600.0	95.5	15.95	103.5	19.05	112.7	22.19	122.5	25.04	126.2	25.67	131.0	26.31	134.7	26.56
		720.0	95.5	15.73	103.5	18.85	112.7	21.94	122.5	24.79	126.2	25.45	131.0	26.07	134.7	26.19
	40	192.0	92.8	20.94	100.5	24.30	109.5	28.28	119.0	31.88	122.7	32.62	127.3	33.43	131.0	34.02
		240.0	92.8	20.52	100.5	23.91	109.5	27.83	119.0	31.37	122.7	32.10	127.3	32.89	131.0	33.48
		480.0	92.8	18.85	100.5	22.34	109.5	26.07	119.0	29.31	122.7	30.04	127.3	30.78	131.0	31.37
		600.0	92.8	18.31	100.5	21.89	109.5	25.53	119.0	28.77	122.7	29.45	127.3	30.24	131.0	30.53
		720.0	92.8	18.04	100.5	21.67	109.5	25.26	119.0	28.50	122.7	29.16	127.3	29.97	131.0	30.12
	45	192.0	90.0	23.64	97.7	27.44	106.3	31.91	115.5	36.03	119.0	36.86	123.5	37.77	127.2	38.39
		240.0	90.0	23.17	97.7	27.00	106.3	31.42	115.5	35.44	119.0	36.28	123.5	37.16	127.2	37.80
		480.0	90.0	21.30	97.7	25.23	106.3	29.45	115.5	33.09	119.0	33.97	123.5	34.76	127.2	35.44
		600.0	90.0	20.67	97.7	24.74	106.3	28.86	115.5	32.50	119.0	33.23	123.5	34.17	127.2	34.51
		720.0	90.0	20.35	97.7	24.50	106.3	28.57	115.5	32.20	119.0	32.86	123.5	33.87	127.2	34.04
80	10	192.0	87.3	5.72	94.5	6.50	103.0	7.56	112.0	8.66	115.3	8.76	119.8	9.03	123.2	9.11
		240.0	87.3	5.57	94.5	6.43	103.0	7.46	112.0	8.51	115.3	8.64	119.8	8.88	123.2	8.96
		480.0	87.3	5.06	94.5	6.11	103.0	7.04	112.0	7.88	115.3	8.12	119.8	8.27	123.2	8.40
		600.0	87.3	5.01	94.5	5.91	103.0	6.90	112.0	7.75	115.3	7.88	119.8	8.12	123.2	8.22
		720.0	87.3	4.98	94.5	5.79	103.0	6.82	112.0	7.68	115.3	7.76	119.8	8.05	123.2	8.12
	15	192.0	87.3	7.68	94.5	8.88	103.0	10.33	112.0	11.68	115.3	11.93	119.8	12.22	123.2	12.42
		240.0	87.3	7.51	94.5	8.74	103.0	10.16	112.0	11.49	115.3	11.73	119.8	12.03	123.2	12.22
		480.0	87.3	6.87	94.5	8.20	103.0	9.52	112.0	10.70	115.3	11.00	119.8	11.24	123.2	11.44
		600.0	87.3	6.73	94.5	8.00	103.0	9.33	112.0	10.51	115.3	10.75	119.8	11.05	123.2	11.14
		720.0	87.3	6.65	94.5	7.90	103.0	9.23	112.0	10.41	115.3	10.63	119.8	10.95	123.2	11.00
	20	192.0	87.3	9.42	94.5	10.99	103.0	12.79	112.0	14.38	115.3	14.72	119.8	15.07	123.2	15.37
		240.0	87.3	9.23	94.5	10.80	103.0	12.57	112.0	14.14	115.3	14.48	119.8	14.82	123.2	15.12
		480.0	87.3	8.49	94.5	10.06	103.0	11.73	112.0	13.21	115.3	13.55	119.8	13.89	123.2	14.14
		600.0	87.3	8.25	94.5	9.87	103.0	11.49	112.0	12.96	115.3	13.30	119.8	13.65	123.2	13.75
		720.0	87.3	8.12	94.5	9.77	103.0	11.36	112.0	12.84	115.3	13.18	119.8	13.52	123.2	13.55
	25	192.0	87.3	11.53	94.5	13.38	103.0	15.56	112.0	17.50	115.3	17.97	119.8	18.41	123.2	18.70
		240.0	87.3	11.29	94.5	13.16	103.0	15.32	112.0	17.23	115.3	17.67	119.8	18.11	123.2	18.41
		480.0	87.3	10.36	94.5	12.27	103.0	14.33	112.0	16.15	115.3	16.49	119.8	16.94	123.2	17.23
		600.0	87.3	10.06	94.5	12.03	103.0	14.04	112.0	15.81	115.3	16.20	119.8	16.64	123.2	16.79
		720.0	87.3	9.92	94.5	11.90	103.0	13.89	112.0	15.63	115.3	16.05	119.8	16.49	123.2	16.57
	30	192.0	87.3	14.11	94.5	16.42	103.0	19.17	112.0	21.55	115.3	22.04	119.8	22.60	123.2	23.05
		240.0	87.3	13.84	94.5	16.15	103.0	18.85	112.0	21.21	115.3	21.70	119.8	22.24	123.2	22.68
		480.0	87.3	12.76	94.5	15.12	103.0	17.62	112.0	19.83	115.3	20.32	119.8	20.81	123.2	21.21
		600.0	87.3	12.42	94.5	14.78	103.0	17.23	112.0	19.44	115.3	19.93	119.8	20.42	123.2	20.67
		720.0	87.3	12.25	94.5	14.60	103.0	17.03	112.0	19.24	115.3	19.73	119.8	20.22	123.2	20.40
	35	192.0	87.3	15.73	94.5	18.26	103.0	21.25	112.0	23.95	115.3	24.55	119.8	25.16	123.2	25.60
		240.0	87.3	15.41	94.5	17.97	103.0	20.91	112.0	23.56	115.3	24.15	119.8	24.74	123.2	25.18
		480.0	87.3	14.19	94.5	16.79	103.0	19.59	112.0	22.04	115.3	22.58	119.8	23.12	123.2	23.56
		600.0	87.3	13.79	94.5	16.44	103.0	19.19	112.0	21.60	115.3	22.14	119.8	22.73	123.2	22.92
		720.0	87.3	13.60	94.5	16.27	103.0	19.00	112.0	21.38	115.3	21.92	119.8	22.53	123.2	22.61
	40	192.0	87.3	18.63	94.5	21.67	103.0	25.21	112.0	28.40	115.3	29.04	119.8	29.80	123.2	30.29
		240.0	87.3	18.26	94.5	21.30	103.0	24.79	112.0	27.93	115.3	28.57	119.8	29.31	123.2	29.80
		480.0	87.3	16.79	94.5	19.88	103.0	23.17	112.0	26.12	115.3	26.70	119.8	27.39	123.2	27.88
		600.0	87.3	16.30	94.5	19.49	103.0	22.68	112.0	25.58	115.3	26.21	119.8	26.90	123.2	27.15
		720.0	87.3	16.05	94.5	19.29	103.0	22.43	112.0	25.31	115.3	25.97	119.8	26.66	123.2	26.78

7. Capacity tables

Cooling Capacity (50 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	192.0	87.3	21.55	94.5	25.06	103.0	29.16	112.0	32.84	115.3	33.53	119.8	34.43	123.2	34.97
		240.0	87.3	21.11	94.5	24.64	103.0	28.67	112.0	32.30	115.3	32.99	119.8	33.87	123.2	34.41
		480.0	87.3	19.39	94.5	22.97	103.0	26.75	112.0	30.19	115.3	30.83	119.8	31.66	123.2	32.20
		600.0	87.3	18.80	94.5	22.53	103.0	26.16	112.0	29.55	115.3	30.29	119.8	31.07	123.2	31.37
		720.0	87.3	18.51	94.5	22.31	103.0	25.87	112.0	29.23	115.3	30.02	119.8	30.78	123.2	30.95
70	10	192.0	76.5	4.66	82.8	5.43	90.2	6.28	98.0	7.07	101.0	7.34	104.8	7.54	107.7	7.56
		240.0	76.5	4.59	82.8	5.33	90.2	6.18	98.0	6.99	101.0	7.24	104.8	7.41	107.7	7.46
		480.0	76.5	4.25	82.8	4.96	90.2	5.81	98.0	6.62	101.0	6.75	104.8	6.95	107.7	7.04
		600.0	76.5	4.17	82.8	4.86	90.2	5.72	98.0	6.43	101.0	6.55	104.8	6.75	107.7	6.85
		720.0	76.5	4.12	82.8	4.81	90.2	5.67	98.0	6.31	101.0	6.46	104.8	6.65	107.7	6.75
	15	192.0	76.5	6.36	82.8	7.39	90.2	8.59	98.0	9.67	101.0	9.94	104.8	10.18	107.7	10.33
		240.0	76.5	6.23	82.8	7.27	90.2	8.44	98.0	9.52	101.0	9.77	104.8	10.01	107.7	10.16
		480.0	76.5	5.74	82.8	6.77	90.2	7.90	98.0	8.93	101.0	9.13	104.8	9.38	107.7	9.52
		600.0	76.5	5.60	82.8	6.63	90.2	7.76	98.0	8.74	101.0	8.93	104.8	9.18	107.7	9.28
		720.0	76.5	5.52	82.8	6.55	90.2	7.68	98.0	8.64	101.0	8.84	104.8	9.08	107.7	9.15
	20	192.0	76.5	7.88	82.8	9.13	90.2	10.63	98.0	11.98	101.0	12.22	104.8	12.52	107.7	12.79
		240.0	76.5	7.71	82.8	8.98	90.2	10.46	98.0	11.78	101.0	12.03	104.8	12.32	107.7	12.57
		480.0	76.5	7.07	82.8	8.39	90.2	9.77	98.0	11.00	101.0	11.24	104.8	11.54	107.7	11.73
		600.0	76.5	6.87	82.8	8.20	90.2	9.57	98.0	10.80	101.0	11.05	104.8	11.34	107.7	11.44
		720.0	76.5	6.77	82.8	8.10	90.2	9.47	98.0	10.70	101.0	10.95	104.8	11.24	107.7	11.29
	25	192.0	76.5	9.57	82.8	11.14	90.2	12.91	98.0	14.58	101.0	14.92	104.8	15.26	107.7	15.56
		240.0	76.5	9.38	82.8	10.95	90.2	12.71	98.0	14.33	101.0	14.68	104.8	15.02	107.7	15.32
		480.0	76.5	8.64	82.8	10.21	90.2	11.93	98.0	13.40	101.0	13.75	104.8	14.09	107.7	14.33
		600.0	76.5	8.39	82.8	10.01	90.2	11.68	98.0	13.16	101.0	13.45	104.8	13.79	107.7	13.94
		720.0	76.5	8.27	82.8	9.92	90.2	11.56	98.0	13.03	101.0	13.30	104.8	13.65	107.7	13.74
	30	192.0	76.5	11.78	82.8	13.67	90.2	15.93	98.0	17.92	101.0	18.36	104.8	18.80	107.7	19.17
		240.0	76.5	11.54	82.8	13.45	90.2	15.66	98.0	17.62	101.0	18.06	104.8	18.51	107.7	18.85
		480.0	76.5	10.60	82.8	12.57	90.2	14.63	98.0	16.49	101.0	16.89	104.8	17.33	107.7	17.62
		600.0	76.5	10.31	82.8	12.32	90.2	14.33	98.0	16.15	101.0	16.59	104.8	16.98	107.7	17.18
		720.0	76.5	10.16	82.8	12.20	90.2	14.19	98.0	15.98	101.0	16.44	104.8	16.81	107.7	16.96
	35	192.0	76.5	13.08	82.8	15.17	90.2	17.72	98.0	19.91	101.0	20.42	104.8	20.91	107.7	21.25
		240.0	76.5	12.81	82.8	14.92	90.2	17.43	98.0	19.59	101.0	20.08	104.8	20.57	107.7	20.91
		480.0	76.5	11.78	82.8	13.99	90.2	16.25	98.0	18.31	101.0	18.75	104.8	19.24	107.7	19.59
		600.0	76.5	11.44	82.8	13.65	90.2	15.95	98.0	17.97	101.0	18.41	104.8	18.90	107.7	19.10
		720.0	76.5	11.27	82.8	13.47	90.2	15.81	98.0	17.79	101.0	18.24	104.8	18.73	107.7	18.85
	40	192.0	76.5	15.49	82.8	17.96	90.2	20.96	98.0	23.61	101.0	24.15	104.8	24.74	107.7	25.18
		240.0	76.5	15.17	82.8	17.67	90.2	20.62	98.0	23.22	101.0	23.76	104.8	24.35	107.7	24.79
		480.0	76.5	13.94	82.8	16.54	90.2	19.29	98.0	21.70	101.0	22.24	104.8	22.78	107.7	23.22
		600.0	76.5	13.55	82.8	16.20	90.2	18.85	98.0	21.26	101.0	21.80	104.8	22.38	107.7	22.58
		720.0	76.5	13.35	82.8	16.03	90.2	18.63	98.0	21.03	101.0	21.57	104.8	22.19	107.7	22.26
	45	192.0	76.5	17.89	82.8	20.76	90.2	24.18	98.0	27.29	101.0	27.88	104.8	28.59	107.7	29.13
		240.0	76.5	17.52	82.8	20.42	90.2	23.81	98.0	26.85	101.0	27.44	104.8	28.13	107.7	28.67
		480.0	76.5	16.10	82.8	19.10	90.2	22.34	98.0	25.08	101.0	25.72	104.8	26.31	107.7	26.85
		600.0	76.5	15.66	82.8	18.75	90.2	21.75	98.0	24.54	101.0	25.18	104.8	25.87	107.7	26.07
		720.0	76.5	15.44	82.8	18.58	90.2	21.45	98.0	24.27	101.0	24.91	104.8	25.65	107.7	25.67
60	10	192.0	65.5	3.71	71.0	4.32	77.2	4.96	84.0	5.72	86.5	5.87	90.0	5.94	92.5	6.04
		240.0	65.5	3.63	71.0	4.25	77.2	4.91	84.0	5.62	86.5	5.77	90.0	5.86	92.5	5.94
		480.0	65.5	3.36	71.0	3.97	77.2	4.69	84.0	5.25	86.5	5.33	90.0	5.52	92.5	5.62
		600.0	65.5	3.21	71.0	3.93	77.2	4.59	84.0	5.15	86.5	5.25	90.0	5.38	92.5	5.47
		720.0	65.5	3.12	71.0	3.90	77.2	4.54	84.0	5.10	86.5	5.20	90.0	5.30	92.5	5.40
	15	192.0	65.5	5.06	71.0	5.89	77.2	6.82	84.0	7.73	86.5	7.95	90.0	8.08	92.5	8.22
		240.0	65.5	4.96	71.0	5.79	77.2	6.73	84.0	7.61	86.5	7.81	90.0	7.95	92.5	8.10
		480.0	65.5	4.57	71.0	5.40	77.2	6.33	84.0	7.12	86.5	7.27	90.0	7.46	92.5	7.61
		600.0	65.5	4.42	71.0	5.30	77.2	6.19	84.0	6.97	86.5	7.12	90.0	7.31	92.5	7.41
		720.0	65.5	4.34	71.0	5.25	77.2	6.11	84.0	6.90	86.5	7.04	90.0	7.24	92.5	7.31
	20	192.0	65.5	6.26	71.0	7.29	77.2	8.49	84.0	9.52	86.5	9.79	90.0	9.99	92.5	10.18
		240.0	65.5	6.14	71.0	7.17	77.2	8.35	84.0	9.38	86.5	9.62	90.0	9.82	92.5	10.01
		480.0	65.5	5.65	71.0	6.68	77.2	7.81	84.0	8.79	86.5	8.98	90.0	9.18	92.5	9.38
		600.0	65.5	5.50	71.0	6.53	77.2	7.61	84.0	8.59	86.5	8.79	90.0	9.03	92.5	9.13
		720.0	65.5	5.42	71.0	6.46	77.2	7.51	84.0	8.49	86.5	8.69	90.0	8.96	92.5	9.01
	25	192.0	65.5	7.61	71.0	8.89	77.2	10.33	84.0	11.63	86.5	11.88	90.0	12.17	92.5	12.42
		240.0	65.5	7.46	71.0	8.74	77.2	10.16	84.0	11.44	86.5	11.68	90.0	11.98	92.5	12.22
		480.0	65.5	6.87	71.0	8.15	77.2	9.47	84.0	10.70	86.5	10.95	90.0	11.24	92.5	11.44
		600.0	65.5	6.68	71.0	7.95	77.2	9.28	84.0	10.46	86.5	10.75	90.0	11.00	92.5	11.14
		720.0	65.5	6.58	71.0	7.85	77.2	9.18	84.0	10.33	86.5	10.65	90.0	10.87	92.5	11.00
	30	192.0	65.5	9.37	71.0	10.87	77.2	12.67	84.0	14.26	86.5	14.63	90.0	14.97	92.5	15.27
		240.0	65.5	9.18	71.0	10.70	77.2	12.47	84.0	14.04	86.5	14.38	90.0	14.73	92.5	15.02
		480.0	65.5	8.44	71.0	10.01	77.2	11.68	84.0	13.16	86.5	13.45	90.0	13.79	92.5	14.04
		600.0	65.5	8.20	71.0	9.82	77.2	11.44	84.0	12.91	86.5	13.21	90.0	13.55	92.5	13.70
		720.0	65.5	8.08	71.0	9.72	77.2	11.31	84.0	12.79	86.5	13.08	90.0	13.43	92.5	13.52
	35	192.0	65.5	10.43	71.0	12.13	77.2	14.14	84.0	15.86	86.5	16.27	90.0	16.67	92.5	16.96
		240.0	65.5	10.21	71.0	11.93	77.2	13.89	84.0	15.61	86.5	16.00	90.0	16.40	92.5	16.69
		480.0	65.5	9.38	71.0	11.14	77.2	12.96	84.0	14.63	86.5	14.97	90.0	15.32	92.5	15.61
		600.0	65.5	9.13	71.0	10.90	77.2	12.71	84.0	14.33	86.5	14.68	90.0	15.07	92.5	15.22
		720.0	65.5	9.01	71.0	10.77	77.2	12.59	84.0	14.19	86.5	14.53	90.0	14.95	92.5	15.02
	40	192.0	65.5	12.32	71.0	14.31	77.2	16.72	84.0	18.82	86.5	19.27	90.0	19.71	92.5	20.10
		240.0	65.5	12.08	71.0	14.09	77.2	16.44	84.0	18.51	86.5	18.95	90.0	19.39	92.5	19.78
		480.0	65.5	11.14	71.0	13.21	77.2	15.36	84.0	17.28	86.5	17.72	90.0	18.16	92.5	18.51
		600.0	65.5	10.80	71.0	12.91	77.2	15.07	84.0	16.94	86.5	17.38	90.0	17.82	92.5	18.02
		720.0	65.5	10.63	71.0	12.76	77.2	14.92	84.0	16.76	86.5	17.21	90.0	17.65	92.5	17.77

7. Capacity tables

Cooling Capacity (50 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	45	192.0	65.5	14.21	71.0	16.49	77.2	19.31	84.0	21.77	86.5	22.26	90.0	22.73	92.5	23.24
		240.0	65.5	13.94	71.0	16.25	77.2	19.00	84.0	21.40	86.5	21.89	90.0	22.38	92.5	22.88
		480.0	65.5	12.91	71.0	15.27	77.2	17.77	84.0	19.93	86.5	20.47	90.0	21.01	92.5	21.40
		600.0	65.5	12.47	71.0	14.92	77.2	17.43	84.0	19.54	86.5	20.08	90.0	20.57	92.5	20.81
		720.0	65.5	12.25	71.0	14.75	77.2	17.25	84.0	19.34	86.5	19.88	90.0	20.35	92.5	20.52
50	10	192.0	54.5	2.75	59.0	3.21	64.5	3.85	70.0	4.22	72.0	4.29	75.0	4.47	77.0	4.51
		240.0	54.5	2.70	59.0	3.17	64.5	3.78	70.0	4.15	72.0	4.25	75.0	4.39	77.0	4.44
		480.0	54.5	2.45	59.0	2.97	64.5	3.51	70.0	3.93	72.0	4.07	75.0	4.05	77.0	4.15
		600.0	54.5	2.41	59.0	2.99	64.5	3.41	70.0	3.83	72.0	3.88	75.0	4.02	77.0	4.00
		720.0	54.5	2.38	59.0	2.99	64.5	3.34	70.0	3.78	72.0	3.76	75.0	4.00	77.0	3.93
	15	192.0	54.5	3.76	59.0	4.39	64.5	5.15	70.0	5.74	72.0	5.89	75.0	6.04	77.0	6.14
		240.0	54.5	3.68	59.0	4.32	64.5	5.06	70.0	5.65	72.0	5.79	75.0	5.94	77.0	6.04
		480.0	54.5	3.39	59.0	4.03	64.5	4.71	70.0	5.30	72.0	5.45	75.0	5.55	77.0	5.65
		600.0	54.5	3.29	59.0	3.98	64.5	4.61	70.0	5.20	72.0	5.30	75.0	5.45	77.0	5.50
		720.0	54.5	3.24	59.0	3.95	64.5	4.57	70.0	5.15	72.0	5.23	75.0	5.40	77.0	5.42
	20	192.0	54.5	4.66	59.0	5.45	64.5	6.28	70.0	7.09	72.0	7.29	75.0	7.43	77.0	7.58
		240.0	54.5	4.57	59.0	5.35	64.5	6.19	70.0	6.97	72.0	7.17	75.0	7.31	77.0	7.46
		480.0	54.5	4.22	59.0	4.96	64.5	5.79	70.0	6.53	72.0	6.68	75.0	6.87	77.0	6.97
		600.0	54.5	4.07	59.0	4.86	64.5	5.69	70.0	6.43	72.0	6.58	75.0	6.73	77.0	6.82
		720.0	54.5	4.00	59.0	4.81	64.5	5.65	70.0	6.38	72.0	6.53	75.0	6.65	77.0	6.75
	25	192.0	54.5	5.67	59.0	6.58	64.5	7.68	70.0	8.69	72.0	8.89	75.0	9.08	77.0	9.23
		240.0	54.5	5.55	59.0	6.48	64.5	7.56	70.0	8.54	72.0	8.74	75.0	8.93	77.0	9.08
		480.0	54.5	5.11	59.0	6.09	64.5	7.07	70.0	7.95	72.0	8.15	75.0	8.35	77.0	8.54
		600.0	54.5	4.96	59.0	5.94	64.5	6.92	70.0	7.81	72.0	8.00	75.0	8.20	77.0	8.30
		720.0	54.5	4.88	59.0	5.87	64.5	6.85	70.0	7.73	72.0	7.93	75.0	8.12	77.0	8.17
	30	192.0	54.5	7.02	59.0	8.15	64.5	9.50	70.0	10.68	72.0	10.94	75.0	11.17	77.0	11.39
		240.0	54.5	6.87	59.0	8.00	64.5	9.33	70.0	10.51	72.0	10.75	75.0	11.00	77.0	11.19
		480.0	54.5	6.28	59.0	7.46	64.5	8.69	70.0	9.82	72.0	10.01	75.0	10.31	77.0	10.46
		600.0	54.5	6.14	59.0	7.31	64.5	8.54	70.0	9.62	72.0	9.87	75.0	10.11	77.0	10.21
		720.0	54.5	6.06	59.0	7.24	64.5	8.47	70.0	9.52	72.0	9.79	75.0	10.01	77.0	10.09
	35	192.0	54.5	7.76	59.0	9.03	64.5	10.53	70.0	11.83	72.0	12.13	75.0	12.42	77.0	12.62
		240.0	54.5	7.61	59.0	8.89	64.5	10.36	70.0	11.63	72.0	11.93	75.0	12.22	77.0	12.42
		480.0	54.5	7.02	59.0	8.30	64.5	9.67	70.0	10.90	72.0	11.14	75.0	11.44	77.0	11.63
		600.0	54.5	6.82	59.0	8.15	64.5	9.47	70.0	10.70	72.0	10.95	75.0	11.24	77.0	11.34
		720.0	54.5	6.73	59.0	8.08	64.5	9.38	70.0	10.60	72.0	10.85	75.0	11.14	77.0	11.19
	40	192.0	54.5	9.23	59.0	10.68	64.5	12.49	70.0	14.02	72.0	14.38	75.0	14.72	77.0	14.97
		240.0	54.5	9.03	59.0	10.51	64.5	12.27	70.0	13.79	72.0	14.14	75.0	14.48	77.0	14.73
		480.0	54.5	8.30	59.0	9.82	64.5	11.44	70.0	12.91	72.0	13.21	75.0	13.55	77.0	13.79
		600.0	54.5	8.05	59.0	9.62	64.5	11.24	70.0	12.67	72.0	12.96	75.0	13.30	77.0	13.40
		720.0	54.5	7.93	59.0	9.52	64.5	11.14	70.0	12.54	72.0	12.84	75.0	13.18	77.0	13.20
	45	192.0	54.5	10.68	59.0	12.32	64.5	14.43	70.0	16.22	72.0	16.62	75.0	17.01	77.0	17.30
		240.0	54.5	10.46	59.0	12.13	64.5	14.19	70.0	15.95	72.0	16.35	75.0	16.74	77.0	17.03
		480.0	54.5	9.57	59.0	11.34	64.5	13.21	70.0	14.92	72.0	15.27	75.0	15.66	77.0	15.95
		600.0	54.5	9.28	59.0	11.09	64.5	13.01	70.0	14.63	72.0	14.97	75.0	15.36	77.0	15.46
		720.0	54.5	9.13	59.0	10.97	64.5	12.91	70.0	14.48	72.0	14.82	75.0	15.22	77.0	15.22

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB540LAS4

Cooling Capacity (54 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (54 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (54 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (54 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (54 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB600LAS4

Cooling Capacity (60 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (60 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (60 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (60 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (60 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

7.1.4 4 Units Combination

◆ ARWB620LAS4

Cooling Capacity (62 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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	11.45	174.8	13.41	190.3	15.62	206.8	17.54	213.0	17.94	221.3	18.47	227.5	18.73
		298.0	161.4	11.24	174.8	13.17	190.3	15.37	206.8	17.25	213.0	17.67	221.3	18.18	227.5	18.47
		596.0	161.4	10.41	174.8	12.27	190.3	14.33	206.8	16.14	213.0	16.57	221.3	16.97	227.5	17.35
		745.1	161.4	10.12	174.8	12.05	190.3	14.06	206.8	15.78	213.0	16.25	221.3	16.64	227.5	16.91
		894.0	161.4	9.97	174.8	11.94	190.3	13.93	206.8	15.60	213.0	16.08	221.3	16.48	227.5	16.68
	15	238.4	158.8	15.10	172.0	17.59	187.3	20.49	203.5	23.03	209.5	23.58	217.7	24.20	223.9	24.59
		298.0	158.8	14.80	172.0	17.29	187.3	20.15	203.5	22.66	209.5	23.21	217.7	23.80	223.9	24.23
		596.0	158.8	13.64	172.0	16.15	187.3	18.82	203.5	21.19	209.5	21.74	217.7	22.30	223.9	22.77
		745.1	158.8	13.27	172.0	15.82	187.3	18.45	203.5	20.77	209.5	21.31	217.7	21.85	223.9	22.23
		894.0	158.8	13.08	172.0	15.67	187.3	18.27	203.5	20.55	209.5	21.10	217.7	21.64	223.9	21.97
	20	238.4	156.5	18.33	169.5	21.29	184.5	24.81	200.6	27.93	206.6	28.59	214.6	29.26	220.7	29.81
		298.0	156.5	17.96	169.5	20.95	184.5	24.41	200.6	27.47	206.6	28.13	214.6	28.81	220.7	29.34
		596.0	156.5	16.51	169.5	19.60	184.5	22.83	200.6	25.70	206.6	26.32	214.6	27.04	220.7	27.58
		745.1	156.5	16.08	169.5	19.18	184.5	22.35	200.6	25.20	206.6	25.82	214.6	26.49	220.7	26.97
		894.0	156.5	15.86	169.5	18.97	184.5	22.11	200.6	24.95	206.6	25.57	214.6	26.22	220.7	26.67
	25	238.4	156.5	22.62	169.5	26.25	184.5	30.58	200.6	34.48	206.6	35.27	214.6	36.12	220.7	36.73
		298.0	156.5	22.17	169.5	25.82	184.5	30.08	200.6	33.91	206.6	34.70	214.6	35.57	220.7	36.18
		596.0	156.5	20.40	169.5	24.17	184.5	28.13	200.6	31.68	206.6	32.47	214.6	33.35	220.7	33.99
		745.1	156.5	19.80	169.5	23.63	184.5	27.57	200.6	31.07	206.6	31.86	214.6	32.70	220.7	33.24
		894.0	156.5	19.51	169.5	23.37	184.5	27.30	200.6	30.75	206.6	31.56	214.6	32.38	220.7	32.88
	30	238.4	156.5	27.15	169.5	31.51	184.5	36.69	200.6	41.35	206.6	42.32	214.6	43.35	220.7	44.09
		298.0	156.5	26.60	169.5	31.00	184.5	36.11	200.6	40.68	206.6	41.65	214.6	42.68	220.7	43.42
		596.0	156.5	24.42	169.5	28.98	184.5	33.78	200.6	38.01	206.6	38.97	214.6	40.00	220.7	40.80
		745.1	156.5	23.75	169.5	28.37	184.5	33.08	200.6	37.27	206.6	38.24	214.6	39.22	220.7	39.89
		894.0	156.5	23.42	169.5	28.07	184.5	32.72	200.6	36.91	206.6	37.88	214.6	38.83	220.7	39.43
	35	238.4	140.8	27.42	152.5	31.87	165.9	37.14	180.5	41.79	186.0	42.82	193.1	43.85	198.6	44.58
		298.0	140.8	26.86	152.5	31.36	165.9	36.53	180.5	41.11	186.0	42.12	193.1	43.17	198.6	43.90
		596.0	140.8	24.72	152.5	29.30	165.9	34.16	180.5	38.47	186.0	39.41	193.1	40.44	198.6	41.28
		745.1	140.8	24.04	152.5	28.68	165.9	33.44	180.5	37.69	186.0	38.67	193.1	39.65	198.6	40.32
		894.0	140.8	23.70	152.5	28.37	165.9	33.08	180.5	37.30	186.0	38.30	193.1	39.26	198.6	39.85
	40	238.4	125.2	28.95	135.5	33.61	147.5	39.17	160.3	44.07	165.2	45.10	171.8	46.19	176.5	47.05
		298.0	125.2	28.37	135.5	33.07	147.5	38.54	160.3	43.37	165.2	44.40	171.8	45.49	176.5	46.35
		596.0	125.2	26.07	135.5	30.93	147.5	36.05	160.3	40.56	165.2	41.58	171.8	42.68	176.5	43.53
		745.1	125.2	25.34	135.5	30.26	147.5	35.26	160.3	39.76	165.2	40.79	171.8	41.84	176.5	42.56
		894.0	125.2	24.97	135.5	29.92	147.5	34.87	160.3	39.37	165.2	40.40	171.8	41.42	176.5	42.07
	45	238.4	109.4	30.51	118.7	35.32	129.0	41.20	140.4	46.39	144.7	47.41	150.1	48.55	154.4	49.53
		298.0	109.4	29.88	118.7	34.77	129.0	40.54	140.4	45.63	144.7	46.67	150.1	47.81	154.4	48.78
		596.0	109.4	27.41	118.7	32.55	129.0	37.93	140.4	42.65	144.7	43.76	150.1	44.93	154.4	45.79
		745.1	109.4	26.63	118.7	31.84	129.0	37.08	140.4	41.83	144.7	42.92	150.1	44.02	154.4	44.79
		894.0	109.4	26.24	118.7	31.48	129.0	36.66	140.4	41.42	144.7	42.51	150.1	43.57	154.4	44.29
120	10	238.4	152.8	10.93	165.2	12.71	180.1	14.75	195.7	16.61	201.5	17.10	209.5	17.51	215.4	17.75
		298.0	152.8	10.69	165.2	12.49	180.1	14.53	195.7	16.36	201.5	16.80	209.5	17.22	215.4	17.46
		596.0	152.8	9.80	165.2	11.67	180.1	13.62	195.7	15.29	201.5	15.63	209.5	16.06	215.4	16.40
		745.1	152.8	9.54	165.2	11.34	180.1	13.33	195.7	14.95	201.5	15.38	209.5	15.77	215.4	16.04
		894.0	152.8	9.41	165.2	11.17	180.1	13.18	195.7	14.78	201.5	15.26	209.5	15.62	215.4	15.87
	15	238.4	151.0	14.49	163.4	16.83	178.2	19.56	193.5	22.05	199.3	22.59	207.1	23.13	213.0	23.52
		298.0	151.0	14.19	163.4	16.55	178.2	19.25	193.5	21.69	199.3	22.22	207.1	22.77	213.0	23.15
		596.0	151.0	13.02	163.4	15.46	178.2	18.02	193.5	20.28	199.3	20.77	207.1	21.31	213.0	21.74
		745.1	151.0	12.67	163.4	15.10	178.2	17.65	193.5	19.86	199.3	20.40	207.1	20.90	213.0	21.24
		894.0	151.0	12.49	163.4	14.92	178.2	17.47	193.5	19.66	199.3	20.21	207.1	20.70	213.0	21.00
	20	238.4	149.4	17.65	161.8	20.49	176.3	23.85	191.6	26.86	197.2	27.47	204.9	28.14	210.8	28.63
		298.0	149.4	17.29	161.8	20.15	176.3	23.46	191.6	26.43	197.2	27.04	204.9	27.71	210.8	28.20
		596.0	149.4	15.89	161.8	18.82	176.3	21.92	191.6	24.72	197.2	25.33	204.9	25.99	210.8	26.48
		745.1	149.4	15.46	161.8	18.45	176.3	21.49	191.6	24.24	197.2	24.85	204.9	25.46	210.8	25.87
		894.0	149.4	15.25	161.8	18.27	176.3	21.28	191.6	23.99	197.2	24.61	204.9	25.20	210.8	25.57
	25	238.4	149.4	21.67	161.8	25.19	176.3	29.34	191.6	32.99	197.2	33.80	204.9	34.63	210.8	35.25
		298.0	149.4	21.24	161.8	24.77	176.3	28.85	191.6	32.47	197.2	33.24	204.9	34.09	210.8	34.70
		596.0	149.4	19.54	161.8	23.14	176.3	26.97	191.6	30.38	197.2	31.11	204.9	31.91	210.8	32.56
		745.1	149.4	19.00	161.8	22.65	176.3	26.43	191.6	29.77	197.2	30.52	204.9	31.30	210.8	31.79
		894.0	149.4	18.72	161.8	22.41	176.3	26.15	191.6	29.46	197.2	30.22	204.9	31.00	210.8	31.39
	30	238.4	149.4	26.16	161.8	30.44	176.3	35.46	191.6	39.91	197.2	40.85	204.9	41.88	210.8	42.61
		298.0	149.4	25.64	161.8	29.96	176.3	34.89	191.6	39.27	197.2	40.20	204.9	41.22	210.8	41.95
		596.0	149.4	23.63	161.8	28.00	176.3	32.58	191.6	36.73	197.2	37.62	204.9	38.60	210.8	39.35
		745.1	149.4	22.95	161.8	27.40	176.3	31.91	191.6	35.99	197.2	36.91	204.9	37.87	210.8	38.43
		894.0	149.4	22.62	161.8	27.09	176.3	31.59	191.6	35.62	197.2	36.55	204.9	37.51	210.8	37.97
	35	238.4	136.7	26.84	148.1	31.20	161.2	36.32	175.2	40.92	180.5	41.89	187.6	42.89	192.9	43.66
		298.0	136.7	26.30	148.1	30.69	161.2	35.73	175.2	40.25	180.5	41.23	187.6	42.21	192.9	42.99
		596.0	136.7	24.18	148.1	28.68	161.2	33.42	175.2	37.63	180.5	38.55	187.6	39.58	192.9	40.31
		745.1	136.7	23.52	148.1	28.08	161.2	32.75	175.2	36.90	180.5	37.82	187.6	38.80	192.9	39.39
		894.0	136.7	23.18	148.1	27.77	161.2	32.41	175.2	36.53	180.5	37.46	187.6	38.40	192.9	38.92

7. Capacity tables

Cooling Capacity (62 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	40	238.4	124.0	28.90	134.2	33.55	146.3	39.11	159.0	44.00	163.7	45.07	170.2	46.16	174.9	47.00
		298.0	124.0	28.31	134.2	33.01	146.3	38.48	159.0	43.30	163.7	44.34	170.2	45.43	174.9	46.28
		596.0	124.0	26.06	134.2	30.87	146.3	35.98	159.0	40.50	163.7	41.47	170.2	42.57	174.9	43.41
		745.1	124.0	25.33	134.2	30.21	146.3	35.25	159.0	39.70	163.7	40.73	170.2	41.77	174.9	42.39
		894.0	124.0	24.96	134.2	29.88	146.3	34.88	159.0	39.30	163.7	40.35	170.2	41.37	174.9	41.87
	45	238.4	111.4	30.94	120.6	35.91	131.3	41.89	142.8	47.12	147.1	48.22	152.8	49.44	156.9	50.32
		298.0	111.4	30.33	120.6	35.33	131.3	41.22	142.8	46.35	147.1	47.45	152.8	48.65	156.9	49.56
		596.0	111.4	27.93	120.6	33.07	131.3	38.54	142.8	43.36	147.1	44.40	152.8	45.56	156.9	46.50
		745.1	111.4	27.14	120.6	32.35	131.3	37.75	142.8	42.51	147.1	43.63	152.8	44.75	156.9	45.38
		894.0	111.4	26.74	120.6	31.98	131.3	37.36	142.8	42.09	147.1	43.26	152.8	44.35	156.9	44.82
110	10	238.4	144.2	10.30	156.1	11.95	169.9	13.95	184.5	15.68	190.0	16.03	197.7	16.50	202.9	16.75
		298.0	144.2	10.11	156.1	11.74	169.9	13.72	184.5	15.43	190.0	15.78	197.7	16.23	202.9	16.50
		596.0	144.2	9.29	156.1	10.97	169.9	12.80	184.5	14.43	190.0	14.85	197.7	15.18	202.9	15.44
		745.1	144.2	9.03	156.1	10.76	169.9	12.50	184.5	14.21	190.0	14.46	197.7	14.90	202.9	15.08
		894.0	144.2	8.91	156.1	10.64	169.9	12.35	184.5	14.09	190.0	14.27	197.7	14.75	202.9	14.90
	15	238.4	143.2	13.80	155.0	16.04	168.9	18.68	183.6	21.04	189.1	21.52	196.5	22.09	201.8	22.47
		298.0	143.2	13.53	155.0	15.78	168.9	18.38	183.6	20.70	189.1	21.18	196.5	21.73	201.8	22.11
		596.0	143.2	12.43	155.0	14.74	168.9	17.19	183.6	19.36	189.1	19.85	196.5	20.34	201.8	20.71
		745.1	143.2	12.11	155.0	14.43	168.9	16.81	183.6	19.00	189.1	19.43	196.5	19.96	201.8	20.21
		894.0	143.2	11.95	155.0	14.28	168.9	16.62	183.6	18.82	189.1	19.23	196.5	19.77	201.8	19.96
	20	238.4	142.5	16.91	154.3	19.69	168.0	22.89	182.6	25.81	188.2	26.42	195.3	27.04	200.9	27.53
		298.0	142.5	16.57	154.3	19.36	168.0	22.53	182.6	25.39	188.2	25.99	195.3	26.61	200.9	27.10
		596.0	142.5	15.24	154.3	18.08	168.0	21.08	182.6	23.73	188.2	24.30	195.3	24.91	200.9	25.40
		745.1	142.5	14.85	154.3	17.71	168.0	20.63	182.6	23.26	188.2	23.86	195.3	24.47	200.9	24.77
		894.0	142.5	14.65	154.3	17.53	168.0	20.42	182.6	23.02	188.2	23.65	195.3	24.26	200.9	24.46
	25	238.4	142.5	20.68	154.3	24.08	168.0	28.04	182.6	31.58	188.2	32.30	195.3	33.09	200.9	33.70
		298.0	142.5	20.29	154.3	23.68	168.0	27.58	182.6	31.07	188.2	31.79	195.3	32.57	200.9	33.18
		596.0	142.5	18.68	154.3	22.16	168.0	25.81	182.6	29.05	188.2	29.77	195.3	30.52	200.9	31.11
		745.1	142.5	18.15	154.3	21.68	168.0	25.27	182.6	28.49	188.2	29.18	195.3	29.96	200.9	30.32
		894.0	142.5	17.88	154.3	21.44	168.0	25.00	182.6	28.20	188.2	28.88	195.3	29.67	200.9	29.93
	30	238.4	142.5	25.22	154.3	29.36	168.0	34.17	182.6	38.51	188.2	39.42	195.3	40.35	200.9	41.08
		298.0	142.5	24.73	154.3	28.87	168.0	33.62	182.6	37.87	188.2	38.79	195.3	39.71	200.9	40.44
		596.0	142.5	22.77	154.3	26.98	168.0	31.43	182.6	35.39	188.2	36.29	195.3	37.20	200.9	37.88
		745.1	142.5	22.16	154.3	26.43	168.0	30.80	182.6	34.71	188.2	35.57	195.3	36.48	200.9	36.96
		894.0	142.5	21.85	154.3	26.15	168.0	30.49	182.6	34.37	188.2	35.21	195.3	36.12	200.9	36.50
	35	238.4	132.7	26.26	143.7	30.51	156.5	35.53	170.2	40.03	175.2	40.97	182.0	41.96	187.1	42.74
		298.0	132.7	25.75	143.7	30.02	156.5	34.96	170.2	39.39	175.2	40.31	182.0	41.30	187.1	42.07
		596.0	132.7	23.68	143.7	28.07	156.5	32.70	170.2	36.83	175.2	37.70	182.0	38.67	187.1	39.40
		745.1	132.7	23.02	143.7	27.47	156.5	32.02	170.2	36.10	175.2	37.01	182.0	37.94	187.1	38.43
		894.0	132.7	22.69	143.7	27.16	156.5	31.68	170.2	35.74	175.2	36.67	182.0	37.58	187.1	37.95
	40	238.4	122.9	28.85	133.3	33.54	145.0	39.05	157.7	43.93	162.4	45.00	168.7	46.09	173.3	46.94
		298.0	122.9	28.26	133.3	32.99	145.0	38.42	157.7	43.24	162.4	44.27	168.7	45.36	173.3	46.21
		596.0	122.9	26.00	133.3	30.82	145.0	35.92	157.7	40.44	162.4	41.40	168.7	42.50	173.3	43.29
		745.1	122.9	25.27	133.3	30.15	145.0	35.19	157.7	39.64	162.4	40.67	168.7	41.71	173.3	42.20
		894.0	122.9	24.90	133.3	29.81	145.0	34.83	157.7	39.25	162.4	40.29	168.7	41.31	173.3	41.66
	45	238.4	113.2	31.40	122.7	36.56	133.5	42.59	145.1	47.85	149.5	49.03	155.4	50.23	159.6	51.14
		298.0	113.2	30.78	122.7	35.96	133.5	41.89	145.1	47.08	149.5	48.24	155.4	49.44	159.6	50.34
		596.0	113.2	28.31	122.7	33.58	133.5	39.14	145.1	44.05	149.5	45.12	155.4	46.34	159.6	47.19
		745.1	113.2	27.52	122.7	32.84	133.5	38.36	145.1	43.19	149.5	44.31	155.4	45.47	159.6	45.98
		894.0	113.2	27.12	122.7	32.48	133.5	37.97	145.1	42.76	149.5	43.92	155.4	45.04	159.6	45.37
100	10	238.4	135.5	9.73	146.6	11.32	159.7	13.05	173.6	14.81	178.9	15.07	185.7	15.56	190.9	15.82
		298.0	135.5	9.54	146.6	11.13	159.7	12.85	173.6	14.57	178.9	14.85	185.7	15.28	190.9	15.56
		596.0	135.5	8.78	146.6	10.37	159.7	12.06	173.6	13.66	178.9	13.95	185.7	14.29	190.9	14.55
		745.1	135.5	8.49	146.6	10.13	159.7	11.81	173.6	13.34	178.9	13.65	185.7	14.00	190.9	14.14
		894.0	135.5	8.35	146.6	10.01	159.7	11.68	173.6	13.18	178.9	13.50	185.7	13.85	190.9	13.92
	15	238.4	135.5	13.18	146.6	15.28	159.7	17.77	173.6	20.05	178.9	20.50	185.7	21.04	190.9	21.41
		298.0	135.5	12.91	146.6	15.04	159.7	17.49	173.6	19.72	178.9	20.16	185.7	20.70	190.9	21.07
		596.0	135.5	11.87	146.6	14.06	159.7	16.37	173.6	18.45	178.9	18.88	185.7	19.36	190.9	19.72
		745.1	135.5	11.52	146.6	13.75	159.7	16.03	173.6	18.07	178.9	18.52	185.7	19.00	190.9	19.19
		894.0	135.5	11.34	146.6	13.61	159.7	15.85	173.6	17.89	178.9	18.33	185.7	18.82	190.9	18.92
	20	238.4	135.5	16.22	146.6	18.82	159.7	21.97	173.6	24.70	178.9	25.31	185.7	25.93	190.9	26.38
		298.0	135.5	15.89	146.6	18.52	159.7	21.61	173.6	24.30	178.9	24.90	185.7	25.51	190.9	25.95
		596.0	135.5	14.62	146.6	17.35	159.7	20.20	173.6	22.72	178.9	23.26	185.7	23.87	190.9	24.30
		745.1	135.5	14.20	146.6	16.98	159.7	19.78	173.6	22.29	178.9	22.84	185.7	23.44	190.9	23.68
		894.0	135.5	13.99	146.6	16.80	159.7	19.57	173.6	22.07	178.9	22.62	185.7	23.22	190.9	23.37
	25	238.4	135.5	19.76	146.6	22.96	159.7	26.75	173.6	30.15	178.9	30.89	185.7	31.62	190.9	32.19
		298.0	135.5	19.36	146.6	22.59	159.7	26.32	173.6	29.66	178.9	30.38	185.7	31.11	190.9	31.67
		596.0	135.5	17.84	146.6	21.13	159.7	24.61	173.6	27.71	178.9	28.38	185.7	29.11	190.9	29.65
		745.1	135.5	17.35	146.6	20.70	159.7	24.11	173.6	27.17	178.9	27.84	185.7	28.57	190.9	28.86
		894.0	135.5	17.10	146.6	20.49	159.7	23.86	173.6	26.89	178.9	27.56	185.7	28.29	190.9	28.47
	30	238.4	135.5	24.31	146.6	28.28	159.7	32.94	173.6	37.08	178.9	37.95	185.7	38.86	190.9	39.61
		298.0	135.5	23.82	146.6	27.83	159.7	32.40	173.6	36.47	178.9	37.34	185.7	38.24	190.9	38.96
		596.0	135.5	21.92	146.6	26.00	159.7	30.27	173.6	34.10	178.9	34.90	185.7	35.80	190.9	36.46
		745.1	135.5	21.31	146.6	25.45	159.7	29.66	173.6	33.43	178.9	34.28	185.7	35.13	190.9	35.50
		894.0	135.5	21.01	146.6	25.18	159.7	29.35	173.6	33.09	178.9	33.96	185.7	34.80	190.9	35.02

7. Capacity tables

Cooling Capacity (62 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	35	238.4	128.6	25.67	139.5	29.83	151.7	34.72	164.9	39.12	169.9	40.05	176.5	41.01	181.4	41.77
		298.0	128.6	25.15	139.5	29.34	151.7	34.17	164.9	38.49	169.9	39.41	176.5	40.37	181.4	41.10
		596.0	128.6	23.14	139.5	27.46	151.7	31.96	164.9	35.99	169.9	36.85	176.5	37.81	181.4	38.48
		745.1	128.6	22.52	139.5	26.85	151.7	31.30	164.9	35.31	169.9	36.17	176.5	37.09	181.4	37.46
		894.0	128.6	22.21	139.5	26.56	151.7	30.97	164.9	34.97	169.9	35.83	176.5	36.73	181.4	36.94
	40	238.4	121.8	28.82	132.0	33.49	143.7	39.00	156.3	43.89	160.9	44.94	167.4	46.04	171.8	46.83
		298.0	121.8	28.24	132.0	32.94	143.7	38.36	156.3	43.18	160.9	44.22	167.4	45.30	171.8	46.10
		596.0	121.8	25.95	132.0	30.79	143.7	35.86	156.3	40.37	160.9	41.35	167.4	42.39	171.8	43.17
		745.1	121.8	25.26	132.0	30.13	143.7	35.12	156.3	39.59	160.9	40.57	167.4	41.60	171.8	42.02
		894.0	121.8	24.92	132.0	29.81	143.7	34.76	156.3	39.20	160.9	40.18	167.4	41.21	171.8	41.45
	45	238.4	115.0	31.98	124.6	37.14	135.7	43.26	147.5	48.67	152.1	49.82	158.0	51.06	162.3	51.92
		298.0	115.0	31.33	124.6	36.53	135.7	42.56	147.5	47.87	152.1	49.02	158.0	50.24	162.3	51.10
		596.0	115.0	28.75	124.6	34.14	135.7	39.76	147.5	44.76	152.1	45.84	158.0	46.97	162.3	47.86
		745.1	115.0	28.00	124.6	33.41	135.7	38.94	147.5	43.86	152.1	44.96	158.0	46.11	162.3	46.59
		894.0	115.0	27.63	124.6	33.05	135.7	38.54	147.5	43.43	152.1	44.53	158.0	45.68	162.3	45.96
90	10	238.4	121.8	8.31	132.0	9.65	143.7	11.23	156.3	12.73	160.9	12.99	167.4	13.25	171.8	13.64
		298.0	121.8	8.15	132.0	9.51	143.7	11.08	156.3	12.54	160.9	12.77	167.4	13.08	171.8	13.42
		596.0	121.8	7.54	132.0	8.96	143.7	10.40	156.3	11.75	160.9	12.01	167.4	12.34	171.8	12.54
		745.1	121.8	7.33	132.0	8.70	143.7	10.19	156.3	11.43	160.9	11.77	167.4	12.13	171.8	12.13
		894.0	121.8	7.21	132.0	8.54	143.7	10.08	156.3	11.26	160.9	11.65	167.4	12.00	171.8	11.92
	15	238.4	121.8	11.30	132.0	13.14	143.7	15.29	156.3	17.26	160.9	17.64	167.4	18.06	171.8	18.45
		298.0	121.8	11.08	132.0	12.93	143.7	15.05	156.3	16.98	160.9	17.36	167.4	17.79	171.8	18.14
		596.0	121.8	10.22	132.0	12.11	143.7	14.08	156.3	15.88	160.9	16.25	167.4	16.68	171.8	16.98
		745.1	121.8	9.92	132.0	11.82	143.7	13.81	156.3	15.53	160.9	15.95	167.4	16.37	171.8	16.51
		894.0	121.8	9.78	132.0	11.68	143.7	13.68	156.3	15.37	160.9	15.80	167.4	16.21	171.8	16.26
	20	238.4	121.8	13.97	132.0	16.23	143.7	18.89	156.3	21.30	160.9	21.79	167.4	22.33	171.8	22.71
		298.0	121.8	13.68	132.0	15.96	143.7	18.59	156.3	20.94	160.9	21.43	167.4	21.97	171.8	22.35
		596.0	121.8	12.60	132.0	14.91	143.7	17.36	156.3	19.55	160.9	20.04	167.4	20.52	171.8	20.94
		745.1	121.8	12.25	132.0	14.61	143.7	17.04	156.3	19.19	160.9	19.67	167.4	20.15	171.8	20.40
		894.0	121.8	12.07	132.0	14.45	143.7	16.88	156.3	19.01	160.9	19.48	167.4	19.97	171.8	20.12
	25	238.4	121.8	17.01	132.0	19.81	143.7	23.02	156.3	25.94	160.9	26.55	167.4	27.22	171.8	27.72
		298.0	121.8	16.68	132.0	19.47	143.7	22.65	156.3	25.52	160.9	26.12	167.4	26.79	171.8	27.27
		596.0	121.8	15.35	132.0	18.20	143.7	21.18	156.3	23.87	160.9	24.42	167.4	25.07	171.8	25.51
		745.1	121.8	14.91	132.0	17.79	143.7	20.77	156.3	23.39	160.9	23.98	167.4	24.60	171.8	24.85
		894.0	121.8	14.70	132.0	17.58	143.7	20.56	156.3	23.15	160.9	23.76	167.4	24.35	171.8	24.52
	30	238.4	121.8	20.94	132.0	24.34	143.7	28.34	156.3	31.93	160.9	32.66	167.4	33.49	171.8	34.09
		298.0	121.8	20.51	132.0	23.94	143.7	27.89	156.3	31.41	160.9	32.15	167.4	32.94	171.8	33.55
		596.0	121.8	18.87	132.0	22.36	143.7	26.07	156.3	29.34	160.9	30.07	167.4	30.81	171.8	31.37
		745.1	121.8	18.34	132.0	21.91	143.7	25.52	156.3	28.79	160.9	29.48	167.4	30.26	171.8	30.56
		894.0	121.8	18.08	132.0	21.70	143.7	25.25	156.3	28.52	160.9	29.18	167.4	29.99	171.8	30.15
	35	238.4	118.5	22.61	128.4	26.24	139.8	30.57	151.9	34.41	156.5	35.23	162.5	36.08	167.1	36.74
		298.0	118.5	22.16	128.4	25.81	139.8	30.07	151.9	33.86	156.5	34.65	162.5	35.51	167.1	36.17
		596.0	118.5	20.35	128.4	24.13	139.8	28.13	151.9	31.67	156.5	32.41	162.5	33.24	167.1	33.86
		745.1	118.5	19.79	128.4	23.63	139.8	27.52	151.9	31.06	156.5	31.84	162.5	32.63	167.1	32.95
		894.0	118.5	19.51	128.4	23.39	139.8	27.23	151.9	30.75	156.5	31.56	162.5	32.33	167.1	32.50
	40	238.4	115.0	25.96	124.6	30.15	135.8	35.10	147.5	39.55	152.1	40.47	157.9	41.47	162.3	42.20
		298.0	115.0	25.44	124.6	29.66	135.8	34.54	147.5	38.90	152.1	39.83	157.9	40.80	162.3	41.53
		596.0	115.0	23.39	124.6	27.72	135.8	32.33	147.5	36.36	152.1	37.26	157.9	38.18	162.3	38.90
		745.1	115.0	22.72	124.6	27.15	135.8	31.66	147.5	35.68	152.1	36.54	157.9	37.51	162.3	37.87
		894.0	115.0	22.38	124.6	26.87	135.8	31.32	147.5	35.33	152.1	36.18	157.9	37.16	162.3	37.35
	45	238.4	111.6	29.30	121.1	34.04	131.8	39.62	143.2	44.69	147.5	45.73	153.2	46.85	157.7	47.63
		298.0	111.6	28.73	121.1	33.50	131.8	39.00	143.2	43.95	147.5	45.00	153.2	46.10	157.7	46.90
		596.0	111.6	26.43	121.1	31.31	131.8	36.52	143.2	41.05	147.5	42.12	153.2	43.13	157.7	43.95
		745.1	111.6	25.65	121.1	30.67	131.8	35.78	143.2	40.29	147.5	41.25	153.2	42.37	157.7	42.80
		894.0	111.6	25.26	121.1	30.34	131.8	35.42	143.2	39.91	147.5	40.81	153.2	41.99	157.7	42.22
80	10	238.4	108.3	7.06	117.3	8.08	127.8	9.41	138.9	10.73	142.9	10.88	148.6	11.21	152.8	11.32
		298.0	108.3	6.90	117.3	7.98	127.8	9.27	138.9	10.55	142.9	10.73	148.6	11.03	152.8	11.14
		596.0	108.3	6.29	117.3	7.55	127.8	8.73	138.9	9.78	142.9	10.07	148.6	10.26	152.8	10.43
		745.1	108.3	6.18	117.3	7.33	127.8	8.55	138.9	9.62	142.9	9.79	148.6	10.10	152.8	10.21
		894.0	108.3	6.13	117.3	7.19	127.8	8.47	138.9	9.52	142.9	9.67	148.6	10.02	152.8	10.08
	15	238.4	108.3	9.51	117.3	11.03	127.8	12.82	138.9	14.48	142.9	14.81	148.6	15.17	152.8	15.42
		298.0	108.3	9.31	117.3	10.84	127.8	12.61	138.9	14.24	142.9	14.56	148.6	14.92	152.8	15.17
		596.0	108.3	8.54	117.3	10.16	127.8	11.81	138.9	13.29	142.9	13.63	148.6	13.95	152.8	14.20
		745.1	108.3	8.34	117.3	9.92	127.8	11.57	138.9	13.03	142.9	13.34	148.6	13.70	152.8	13.83
		894.0	108.3	8.24	117.3	9.80	127.8	11.45	138.9	12.92	142.9	13.20	148.6	13.59	152.8	13.65
	20	238.4	108.3	11.69	117.3	13.62	127.8	15.85	138.9	17.83	142.9	18.27	148.6	18.69	152.8	19.06
		298.0	108.3	11.46	117.3	13.39	127.8	15.58	138.9	17.54	142.9	17.97	148.6	18.39	152.8	18.75
		596.0	108.3	10.53	117.3	12.49	127.8	14.56	138.9	16.39	142.9	16.80	148.6	17.23	152.8	17.54
		745.1	108.3	10.24	117.3	12.25	127.8	14.25	138.9	16.08	142.9	16.50	148.6	16.91	152.8	17.06
		894.0	108.3	10.09	117.3	12.11	127.8	14.10	138.9	15.93	142.9	16.34	148.6	16.75	152.8	16.82
	25	238.4	108.3	14.29	117.3	16.58	127.8	19.30	138.9	21.72	142.9	22.27	148.6	22.83	152.8	23.21
		298.0	108.3	14.00	117.3	16.31	127.8	19.00	138.9	21.38	142.9	21.91	148.6	22.46	152.8	22.85
		596.0	108.3	12.86	117.3	15.24	127.8	17.77	138.9	20.02	142.9	20.47	148.6	21.01	152.8	21.38
		745.1	108.3	12.49	117.3	14.92	127.8	17.41	138.9	19.61	142.9	20.09	148.6	20.63	152.8	20.82
		894.0	108.3	12.31	117.3	14.77	127.8	17.24	138.9	19.40	142.9	19.91	148.6	20.45	152.8	20.55

7. Capacity tables

Cooling Capacity (62 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	30	238.4	108.3	17.53	117.3	20.38	127.8	23.77	138.9	26.74	142.9	27.35	148.6	28.03	152.8	28.58
		298.0	108.3	17.19	117.3	20.04	127.8	23.38	138.9	26.31	142.9	26.92	148.6	27.58	152.8	28.12
		596.0	108.3	15.82	117.3	18.75	127.8	21.85	138.9	24.60	142.9	25.20	148.6	25.82	152.8	26.30
		745.1	108.3	15.40	117.3	18.34	127.8	21.38	138.9	24.12	142.9	24.72	148.6	25.34	152.8	25.63
		894.0	108.3	15.18	117.3	18.14	127.8	21.14	138.9	23.88	142.9	24.48	148.6	25.09	152.8	25.29
	35	238.4	108.3	19.51	117.3	22.66	127.8	26.38	138.9	29.72	142.9	30.44	148.6	31.20	152.8	31.75
		298.0	108.3	19.12	117.3	22.29	127.8	25.95	138.9	29.24	142.9	29.96	148.6	30.69	152.8	31.24
		596.0	108.3	17.59	117.3	20.83	127.8	24.30	138.9	27.35	142.9	28.00	148.6	28.69	152.8	29.23
		745.1	108.3	17.11	117.3	20.40	127.8	23.80	138.9	26.81	142.9	27.47	148.6	28.19	152.8	28.44
		894.0	108.3	16.86	117.3	20.17	127.8	23.56	138.9	26.52	142.9	27.19	148.6	27.94	152.8	28.05
	40	238.4	108.3	23.10	117.3	26.87	127.8	31.27	138.9	35.23	142.9	36.02	148.6	36.94	152.8	37.57
		298.0	108.3	22.64	117.3	26.42	127.8	30.75	138.9	34.64	142.9	35.44	148.6	36.34	152.8	36.96
		596.0	108.3	20.82	117.3	24.67	127.8	28.74	138.9	32.40	142.9	33.13	148.6	33.98	152.8	34.60
		745.1	108.3	20.22	117.3	24.17	127.8	28.14	138.9	31.74	142.9	32.51	148.6	33.36	152.8	33.69
		894.0	108.3	19.91	117.3	23.92	127.8	27.84	138.9	31.40	142.9	32.21	148.6	33.05	152.8	33.23
	45	238.4	108.3	26.71	117.3	31.07	127.8	36.17	138.9	40.72	142.9	41.60	148.6	42.68	152.8	43.39
		298.0	108.3	26.17	117.3	30.55	127.8	35.57	138.9	40.06	142.9	40.93	148.6	41.99	152.8	42.69
		596.0	108.3	24.05	117.3	28.50	127.8	33.20	138.9	37.45	142.9	38.26	148.6	39.28	152.8	39.97
		745.1	108.3	23.33	117.3	27.94	127.8	32.48	138.9	36.67	142.9	37.57	148.6	38.53	152.8	38.93
		894.0	108.3	22.98	117.3	27.66	127.8	32.12	138.9	36.28	142.9	37.23	148.6	38.16	152.8	38.42
70	10	238.4	94.8	5.79	102.7	6.74	111.8	7.84	121.5	8.81	125.2	9.08	130.0	9.33	133.6	9.41
		298.0	94.8	5.69	102.7	6.62	111.8	7.71	121.5	8.71	125.2	8.95	130.0	9.18	133.6	9.27
		596.0	94.8	5.26	102.7	6.19	111.8	7.22	121.5	8.20	125.2	8.37	130.0	8.60	133.6	8.75
		745.1	94.8	5.13	102.7	6.04	111.8	7.09	121.5	7.98	125.2	8.15	130.0	8.38	133.6	8.50
		894.0	94.8	5.07	102.7	5.96	111.8	7.03	121.5	7.86	125.2	8.04	130.0	8.28	133.6	8.39
	15	238.4	94.8	7.88	102.7	9.16	111.8	10.66	121.5	12.00	125.2	12.31	130.0	12.63	133.6	12.82
		298.0	94.8	7.73	102.7	9.02	111.8	10.48	121.5	11.82	125.2	12.11	130.0	12.41	133.6	12.61
		596.0	94.8	7.12	102.7	8.42	111.8	9.80	121.5	11.07	125.2	11.32	130.0	11.63	133.6	11.82
		745.1	94.8	6.93	102.7	8.23	111.8	9.62	121.5	10.84	125.2	11.09	130.0	11.39	133.6	11.52
		894.0	94.8	6.83	102.7	8.14	111.8	9.52	121.5	10.73	125.2	10.97	130.0	11.27	133.6	11.36
	20	238.4	94.8	9.76	102.7	11.31	111.8	13.17	121.5	14.84	125.2	15.17	130.0	15.53	133.6	15.85
		298.0	94.8	9.55	102.7	11.13	111.8	12.97	121.5	14.60	125.2	14.92	130.0	15.29	133.6	15.58
		596.0	94.8	8.76	102.7	10.41	111.8	12.12	121.5	13.64	125.2	13.95	130.0	14.32	133.6	14.56
		745.1	94.8	8.53	102.7	10.17	111.8	11.87	121.5	13.39	125.2	13.70	130.0	14.06	133.6	14.19
		894.0	94.8	8.40	102.7	10.06	111.8	11.75	121.5	13.26	125.2	13.59	130.0	13.93	133.6	14.00
	25	238.4	94.8	11.87	102.7	13.81	111.8	16.04	121.5	18.09	125.2	18.51	130.0	18.95	133.6	19.30
		298.0	94.8	11.63	102.7	13.58	111.8	15.78	121.5	17.79	125.2	18.21	130.0	18.64	133.6	19.00
		596.0	94.8	10.71	102.7	12.67	111.8	14.79	121.5	16.63	125.2	17.04	130.0	17.47	133.6	17.78
		745.1	94.8	10.41	102.7	12.41	111.8	14.48	121.5	16.31	125.2	16.69	130.0	17.12	133.6	17.30
		894.0	94.8	10.25	102.7	12.29	111.8	14.33	121.5	16.16	125.2	16.52	130.0	16.94	133.6	17.06
	30	238.4	94.8	14.61	102.7	16.95	111.8	19.76	121.5	22.23	125.2	22.77	130.0	23.32	133.6	23.76
		298.0	94.8	14.31	102.7	16.68	111.8	19.42	121.5	21.86	125.2	22.41	130.0	22.95	133.6	23.37
		596.0	94.8	13.15	102.7	15.58	111.8	18.15	121.5	20.46	125.2	20.95	130.0	21.49	133.6	21.85
		745.1	94.8	12.79	102.7	15.28	111.8	17.79	121.5	20.04	125.2	20.56	130.0	21.08	133.6	21.31
		894.0	94.8	12.61	102.7	15.12	111.8	17.60	121.5	19.84	125.2	20.37	130.0	20.86	133.6	21.04
	35	238.4	94.8	16.22	102.7	18.82	111.8	21.97	121.5	24.70	125.2	25.31	130.0	25.93	133.6	26.38
		298.0	94.8	15.89	102.7	18.52	111.8	21.61	121.5	24.30	125.2	24.90	130.0	25.51	133.6	25.95
		596.0	94.8	14.62	102.7	17.35	111.8	20.16	121.5	22.72	125.2	23.26	130.0	23.87	133.6	24.30
		745.1	94.8	14.20	102.7	16.94	111.8	19.78	121.5	22.29	125.2	22.84	130.0	23.43	133.6	23.68
		894.0	94.8	13.99	102.7	16.74	111.8	19.59	121.5	22.07	125.2	22.62	130.0	23.21	133.6	23.37
	40	238.4	94.8	19.22	102.7	22.28	111.8	26.00	121.5	29.28	125.2	29.96	130.0	30.69	133.6	31.24
		298.0	94.8	18.82	102.7	21.92	111.8	25.58	121.5	28.79	125.2	29.47	130.0	30.20	133.6	30.74
		596.0	94.8	17.30	102.7	20.52	111.8	23.92	121.5	26.91	125.2	27.57	130.0	28.25	133.6	28.79
		745.1	94.8	16.81	102.7	20.08	111.8	23.39	121.5	26.38	125.2	27.04	130.0	27.76	133.6	28.02
		894.0	94.8	16.57	102.7	19.87	111.8	23.12	121.5	26.12	125.2	26.77	130.0	27.51	133.6	27.63
	45	238.4	94.8	22.21	102.7	25.76	111.8	30.01	121.5	33.83	125.2	34.60	130.0	35.47	133.6	36.13
		298.0	94.8	21.76	102.7	25.34	111.8	29.54	121.5	33.28	125.2	34.05	130.0	34.90	133.6	35.55
		596.0	94.8	19.98	102.7	23.70	111.8	27.67	121.5	31.11	125.2	31.88	130.0	32.64	133.6	33.28
		745.1	94.8	19.42	102.7	23.23	111.8	27.00	121.5	30.47	125.2	31.25	130.0	32.09	133.6	32.36
		894.0	94.8	19.15	102.7	22.99	111.8	26.66	121.5	30.15	125.2	30.93	130.0	31.81	133.6	31.89
60	10	238.4	81.2	4.63	88.1	5.37	95.8	6.20	104.1	7.09	107.2	7.27	111.6	7.39	114.7	7.53
		298.0	81.2	4.53	88.1	5.28	95.8	6.12	104.1	6.96	107.2	7.15	111.6	7.29	114.7	7.40
		596.0	81.2	4.17	88.1	4.94	95.8	5.80	104.1	6.50	107.2	6.61	111.6	6.84	114.7	6.96
		745.1	81.2	4.01	88.1	4.87	95.8	5.68	104.1	6.40	107.2	6.52	111.6	6.66	114.7	6.78
		894.0	81.2	3.91	88.1	4.84	95.8	5.63	104.1	6.34	107.2	6.47	111.6	6.58	114.7	6.68
	15	238.4	81.2	6.29	88.1	7.31	95.8	8.48	104.1	9.59	107.2	9.85	111.6	10.03	114.7	10.21
		298.0	81.2	6.16	88.1	7.19	95.8	8.35	104.1	9.43	107.2	9.68	111.6	9.87	114.7	10.06
		596.0	81.2	5.66	88.1	6.70	95.8	7.85	104.1	8.82	107.2	9.02	111.6	9.25	114.7	9.43
		745.1	81.2	5.49	88.1	6.58	95.8	7.67	104.1	8.65	107.2	8.84	111.6	9.07	114.7	9.19
		894.0	81.2	5.40	88.1	6.52	95.8	7.59	104.1	8.56	107.2	8.75	111.6	8.98	114.7	9.06
	20	238.4	81.2	7.76	88.1	9.03	95.8	10.51	104.1	11.82	107.2	12.13	111.6	12.39	114.7	12.63
		298.0	81.2	7.61	88.1	8.88	95.8	10.34	104.1	11.63	107.2	11.93	111.6	12.19	114.7	12.41
		596.0	81.2	6.99	88.1	8.29	95.8	9.68	104.1	10.89	107.2	11.14	111.6	11.40	114.7	11.63
		745.1	81.2	6.81	88.1	8.10	95.8	9.44	104.1	10.66	107.2	10.91	111.6	11.20	114.7	11.32
		894.0	81.2	6.72	88.1	8.01	95.8	9.33	104.1	10.54	107.2	10.79	111.6	11.11	114.7	11.17

7. Capacity tables

Cooling Capacity (62 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	25	238.4	81.2	9.44	88.1	11.01	95.8	12.80	104.1	14.42	107.2	14.75	111.6	15.11	114.7	15.40
		298.0	81.2	9.26	88.1	10.83	95.8	12.60	104.1	14.19	107.2	14.50	111.6	14.86	114.7	15.15
		596.0	81.2	8.53	88.1	10.11	95.8	11.76	104.1	13.27	107.2	13.58	111.6	13.94	114.7	14.19
		745.1	81.2	8.29	88.1	9.87	95.8	11.52	104.1	12.97	107.2	13.33	111.6	13.64	114.7	13.81
		894.0	81.2	8.17	88.1	9.76	95.8	11.40	104.1	12.83	107.2	13.22	111.6	13.51	114.7	13.63
	30	238.4	81.2	11.63	88.1	13.51	95.8	15.72	104.1	17.70	107.2	18.14	111.6	18.57	114.7	18.94
		298.0	81.2	11.39	88.1	13.29	95.8	15.47	104.1	17.42	107.2	17.85	111.6	18.28	114.7	18.64
		596.0	81.2	10.47	88.1	12.42	95.8	14.49	104.1	16.31	107.2	16.69	111.6	17.12	114.7	17.42
		745.1	81.2	10.18	88.1	12.18	95.8	14.19	104.1	16.01	107.2	16.38	111.6	16.81	114.7	16.98
		894.0	81.2	10.03	88.1	12.05	95.8	14.04	104.1	15.85	107.2	16.22	111.6	16.66	114.7	16.77
	35	238.4	81.2	12.93	88.1	15.03	95.8	17.52	104.1	19.68	107.2	20.18	111.6	20.66	114.7	21.03
		298.0	81.2	12.66	88.1	14.79	95.8	17.23	104.1	19.36	107.2	19.85	111.6	20.34	114.7	20.70
		596.0	81.2	11.64	88.1	13.81	95.8	16.08	104.1	18.14	107.2	18.57	111.6	19.01	114.7	19.36
		745.1	81.2	11.32	88.1	13.52	95.8	15.77	104.1	17.77	107.2	18.21	111.6	18.68	114.7	18.87
		894.0	81.2	11.16	88.1	13.37	95.8	15.61	104.1	17.59	107.2	18.03	111.6	18.52	114.7	18.62
	40	238.4	81.2	15.30	88.1	17.77	95.8	20.72	104.1	23.34	107.2	23.89	111.6	24.45	114.7	24.93
		298.0	81.2	14.99	88.1	17.49	95.8	20.40	104.1	22.95	107.2	23.50	111.6	24.06	114.7	24.53
		596.0	81.2	13.81	88.1	16.37	95.8	19.06	104.1	21.45	107.2	21.97	111.6	22.53	114.7	22.95
		745.1	81.2	13.40	88.1	16.02	95.8	18.68	104.1	21.02	107.2	21.55	111.6	22.11	114.7	22.34
		894.0	81.2	13.20	88.1	15.84	95.8	18.50	104.1	20.80	107.2	21.34	111.6	21.89	114.7	22.03
	45	238.4	81.2	17.66	88.1	20.51	95.8	23.95	104.1	26.98	107.2	27.60	111.6	28.22	114.7	28.82
		298.0	81.2	17.31	88.1	20.19	95.8	23.57	104.1	26.53	107.2	27.15	111.6	27.79	114.7	28.36
		596.0	81.2	15.99	88.1	18.93	95.8	22.04	104.1	24.75	107.2	25.39	111.6	26.05	114.7	26.53
		745.1	81.2	15.47	88.1	18.52	95.8	21.61	104.1	24.26	107.2	24.90	111.6	25.53	114.7	25.80
		894.0	81.2	15.22	88.1	18.31	95.8	21.40	104.1	24.02	107.2	24.65	111.6	25.27	114.7	25.44
50	10	238.4	67.6	3.43	73.3	3.98	79.9	4.76	86.8	5.24	89.3	5.36	93.0	5.53	95.5	5.62
		298.0	67.6	3.37	73.3	3.93	79.9	4.66	86.8	5.15	89.3	5.29	93.0	5.44	95.5	5.53
		596.0	67.6	3.08	73.3	3.69	79.9	4.33	86.8	4.87	89.3	5.04	93.0	5.03	95.5	5.15
		745.1	67.6	3.00	73.3	3.68	79.9	4.24	86.8	4.74	89.3	4.82	93.0	4.99	95.5	4.99
		894.0	67.6	2.96	73.3	3.68	79.9	4.17	86.8	4.67	89.3	4.70	93.0	4.95	95.5	4.91
	15	238.4	67.6	4.67	73.3	5.44	79.9	6.38	86.8	7.13	89.3	7.31	93.0	7.49	95.5	7.62
		298.0	67.6	4.58	73.3	5.36	79.9	6.26	86.8	7.01	89.3	7.20	93.0	7.36	95.5	7.50
		596.0	67.6	4.21	73.3	5.00	79.9	5.85	86.8	6.58	89.3	6.75	93.0	6.89	95.5	7.01
		745.1	67.6	4.08	73.3	4.92	79.9	5.73	86.8	6.45	89.3	6.58	93.0	6.76	95.5	6.83
		894.0	67.6	4.03	73.3	4.88	79.9	5.67	86.8	6.38	89.3	6.50	93.0	6.70	95.5	6.74
	20	238.4	67.6	5.78	73.3	6.75	79.9	7.80	86.8	8.81	89.3	9.04	93.0	9.23	95.5	9.40
		298.0	67.6	5.66	73.3	6.63	79.9	7.68	86.8	8.66	89.3	8.89	93.0	9.08	95.5	9.25
		596.0	67.6	5.22	73.3	6.16	79.9	7.20	86.8	8.10	89.3	8.29	93.0	8.53	95.5	8.66
		745.1	67.6	5.06	73.3	6.03	79.9	7.06	86.8	7.97	89.3	8.15	93.0	8.35	95.5	8.46
		894.0	67.6	4.97	73.3	5.98	79.9	6.99	86.8	7.90	89.3	8.08	93.0	8.27	95.5	8.36
	25	238.4	67.6	7.04	73.3	8.17	79.9	9.53	86.8	10.76	89.3	11.02	93.0	11.26	95.5	11.45
		298.0	67.6	6.89	73.3	8.04	79.9	9.38	86.8	10.58	89.3	10.84	93.0	11.08	95.5	11.27
		596.0	67.6	6.34	73.3	7.54	79.9	8.77	86.8	9.87	89.3	10.12	93.0	10.37	95.5	10.58
		745.1	67.6	6.16	73.3	7.36	79.9	8.59	86.8	9.69	89.3	9.92	93.0	10.17	95.5	10.30
		894.0	67.6	6.06	73.3	7.27	79.9	8.51	86.8	9.59	89.3	9.83	93.0	10.08	95.5	10.15
	30	238.4	67.6	8.69	73.3	10.10	79.9	11.77	86.8	13.24	89.3	13.57	93.0	13.86	95.5	14.11
		298.0	67.6	8.52	73.3	9.92	79.9	11.56	86.8	13.02	89.3	13.33	93.0	13.64	95.5	13.88
		596.0	67.6	7.81	73.3	9.26	79.9	10.79	86.8	12.18	89.3	12.43	93.0	12.79	95.5	12.97
		745.1	67.6	7.61	73.3	9.07	79.9	10.58	86.8	11.93	89.3	12.24	93.0	12.54	95.5	12.66
		894.0	67.6	7.51	73.3	8.97	79.9	10.49	86.8	11.82	89.3	12.13	93.0	12.42	95.5	12.51
	35	238.4	67.6	9.63	73.3	11.20	79.9	13.06	86.8	14.68	89.3	15.04	93.0	15.41	95.5	15.65
		298.0	67.6	9.44	73.3	11.02	79.9	12.85	86.8	14.43	89.3	14.80	93.0	15.16	95.5	15.42
		596.0	67.6	8.70	73.3	10.30	79.9	12.00	86.8	13.52	89.3	13.82	93.0	14.19	95.5	14.43
		745.1	67.6	8.46	73.3	10.10	79.9	11.75	86.8	13.27	89.3	13.58	93.0	13.94	95.5	14.06
		894.0	67.6	8.34	73.3	10.00	79.9	11.63	86.8	13.15	89.3	13.45	93.0	13.82	95.5	13.88
	40	238.4	67.6	11.44	73.3	13.25	79.9	15.48	86.8	17.39	89.3	17.83	93.0	18.26	95.5	18.57
		298.0	67.6	11.19	73.3	13.03	79.9	15.21	86.8	17.12	89.3	17.53	93.0	17.96	95.5	18.28
		596.0	67.6	10.29	73.3	12.19	79.9	14.20	86.8	16.01	89.3	16.38	93.0	16.81	95.5	17.11
		745.1	67.6	9.99	73.3	11.93	79.9	13.94	86.8	15.70	89.3	16.08	93.0	16.50	95.5	16.64
		894.0	67.6	9.84	73.3	11.81	79.9	13.81	86.8	15.54	89.3	15.92	93.0	16.34	95.5	16.40
	45	238.4	67.6	13.22	73.3	15.30	79.9	17.88	86.8	20.14	89.3	20.59	93.0	21.09	95.5	21.48
		298.0	67.6	12.96	73.3	15.05	79.9	17.58	86.8	19.80	89.3	20.26	93.0	20.76	95.5	21.13
		596.0	67.6	11.88	73.3	14.07	79.9	16.39	86.8	18.50	89.3	18.94	93.0	19.43	95.5	19.78
		745.1	67.6	11.52	73.3	13.77	79.9	16.12	86.8	18.13	89.3	18.58	93.0	19.05	95.5	19.21
		894.0	67.6	11.35	73.3	13.63	79.9	15.99	86.8	17.95	89.3	18.39	93.0	18.87	95.5	18.92

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB640LAS4

Cooling Capacity (64 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	246.0	166.6	11.87	180.5	13.89	196.4	16.18	213.4	18.17	219.9	18.56	228.5	19.15	234.9	19.43
		307.5	166.6	11.65	180.5	13.65	196.4	15.92	213.4	17.86	219.9	18.29	228.5	18.85	234.9	19.15
		615.0	166.6	10.79	180.5	12.70	196.4	14.83	213.4	16.72	219.9	17.19	228.5	17.58	234.9	17.97
		768.8	166.6	10.49	180.5	12.48	196.4	14.57	213.4	16.34	219.9	16.83	228.5	17.25	234.9	17.51
		922.5	166.6	10.33	180.5	12.38	196.4	14.43	213.4	16.16	219.9	16.65	228.5	17.08	234.9	17.27
	15	246.0	163.9	15.64	177.5	18.22	193.3	21.23	210.0	23.86	216.3	24.42	224.7	25.07	231.1	25.48
		307.5	163.9	15.33	177.5	17.91	193.3	20.88	210.0	23.47	216.3	24.04	224.7	24.66	231.1	25.11
		615.0	163.9	14.14	177.5	16.73	193.3	19.50	210.0	21.95	216.3	22.52	224.7	23.10	231.1	23.59
		768.8	163.9	13.75	177.5	16.39	193.3	19.11	210.0	21.52	216.3	22.08	224.7	22.64	231.1	23.03
		922.5	163.9	13.55	177.5	16.24	193.3	18.93	210.0	21.30	216.3	21.86	224.7	22.42	231.1	22.76
	20	246.0	161.5	18.99	174.9	22.06	190.5	25.70	207.1	28.93	213.2	29.62	221.5	30.32	227.8	30.88
		307.5	161.5	18.60	174.9	21.71	190.5	25.29	207.1	28.46	213.2	29.15	221.5	29.85	227.8	30.40
		615.0	161.5	17.10	174.9	20.31	190.5	23.66	207.1	26.63	213.2	27.27	221.5	28.02	227.8	28.58
		768.8	161.5	16.66	174.9	19.87	190.5	23.16	207.1	26.11	213.2	26.75	221.5	27.44	227.8	27.95
		922.5	161.5	16.44	174.9	19.66	190.5	22.91	207.1	25.86	213.2	26.50	221.5	27.16	227.8	27.63
	25	246.0	161.5	23.44	174.9	27.20	190.5	31.68	207.1	35.73	213.2	36.55	221.5	37.42	227.8	38.05
		307.5	161.5	22.97	174.9	26.75	190.5	31.17	207.1	35.14	213.2	35.95	221.5	36.85	227.8	37.48
		615.0	161.5	21.13	174.9	25.04	190.5	29.15	207.1	32.82	213.2	33.63	221.5	34.56	227.8	35.21
		768.8	161.5	20.50	174.9	24.48	190.5	28.57	207.1	32.19	213.2	33.00	221.5	33.88	227.8	34.44
		922.5	161.5	20.20	174.9	24.21	190.5	28.29	207.1	31.86	213.2	32.70	221.5	33.54	227.8	34.07
	30	246.0	161.5	28.13	174.9	32.64	190.5	38.02	207.1	42.84	213.2	43.85	221.5	44.91	227.8	45.68
		307.5	161.5	27.56	174.9	32.12	190.5	37.41	207.1	42.14	213.2	43.16	221.5	44.22	227.8	44.99
		615.0	161.5	25.30	174.9	30.03	190.5	35.00	207.1	39.37	213.2	40.38	221.5	41.44	227.8	42.27
		768.8	161.5	24.60	174.9	29.40	190.5	34.27	207.1	38.61	213.2	39.62	221.5	40.63	227.8	41.32
		922.5	161.5	24.25	174.9	29.08	190.5	33.89	207.1	38.24	213.2	39.24	221.5	40.22	227.8	40.84
	35	246.0	145.3	28.40	157.4	33.02	171.3	38.48	186.3	43.28	192.0	44.37	199.4	45.44	205.0	46.18
		307.5	145.3	27.83	157.4	32.49	171.3	37.85	186.3	42.59	192.0	43.65	199.4	44.72	205.0	45.48
		615.0	145.3	25.61	157.4	30.35	171.3	35.39	186.3	39.86	192.0	40.82	199.4	41.90	205.0	42.77
		768.8	145.3	24.91	157.4	29.71	171.3	34.64	186.3	39.06	192.0	40.06	199.4	41.08	205.0	41.77
		922.5	145.3	24.56	157.4	29.40	171.3	34.27	186.3	38.65	192.0	39.69	199.4	40.67	205.0	41.27
	40	246.0	129.3	29.99	139.9	34.82	152.3	40.59	165.5	45.66	170.6	46.72	177.3	47.86	182.2	48.74
		307.5	129.3	29.40	139.9	34.26	152.3	39.93	165.5	44.93	170.6	46.00	177.3	47.13	182.2	48.02
		615.0	129.3	27.01	139.9	32.05	152.3	37.35	165.5	42.02	170.6	43.09	177.3	44.22	182.2	45.10
		768.8	129.3	26.25	139.9	31.36	152.3	36.53	165.5	41.20	170.6	42.27	177.3	43.34	182.2	44.09
		922.5	129.3	25.87	139.9	31.01	152.3	36.12	165.5	40.79	170.6	41.86	177.3	42.91	182.2	43.59
	45	246.0	112.9	31.62	122.6	36.59	133.2	42.69	144.9	48.06	149.4	49.10	154.9	50.30	159.4	51.32
		307.5	112.9	30.96	122.6	36.02	133.2	42.00	144.9	47.27	149.4	48.34	154.9	49.54	159.4	50.54
		615.0	112.9	28.40	122.6	33.73	133.2	39.30	144.9	44.18	149.4	45.36	154.9	46.55	159.4	47.44
		768.8	112.9	27.58	122.6	32.99	133.2	38.43	144.9	43.33	149.4	44.48	154.9	45.61	159.4	46.42
		922.5	112.9	27.17	122.6	32.63	133.2	37.98	144.9	42.91	149.4	44.04	154.9	45.14	159.4	45.91
120	10	246.0	157.7	11.32	170.6	13.18	186.0	15.27	202.0	17.21	208.0	17.71	216.3	18.15	222.3	18.38
		307.5	157.7	11.08	170.6	12.96	186.0	15.05	202.0	16.95	208.0	17.40	216.3	17.84	222.3	18.09
		615.0	157.7	10.15	170.6	12.11	186.0	14.13	202.0	15.83	208.0	16.19	216.3	16.63	222.3	17.01
		768.8	157.7	9.87	170.6	11.74	186.0	13.80	202.0	15.48	208.0	15.95	216.3	16.33	222.3	16.63
		922.5	157.7	9.72	170.6	11.56	186.0	13.64	202.0	15.30	208.0	15.82	216.3	16.18	222.3	16.44
	15	246.0	155.9	15.01	168.7	17.44	183.9	20.26	199.7	22.84	205.7	23.40	213.8	23.96	219.8	24.36
		307.5	155.9	14.70	168.7	17.15	183.9	19.94	199.7	22.47	205.7	23.02	213.8	23.59	219.8	23.98
		615.0	155.9	13.50	168.7	16.02	183.9	18.67	199.7	21.01	205.7	21.52	213.8	22.08	219.8	22.52
		768.8	155.9	13.12	168.7	15.64	183.9	18.29	199.7	20.57	205.7	21.13	213.8	21.65	219.8	22.01
		922.5	155.9	12.93	168.7	15.46	183.9	18.10	199.7	20.36	205.7	20.94	213.8	21.44	219.8	21.76
	20	246.0	154.2	18.28	167.0	21.23	182.0	24.71	197.8	27.83	203.6	28.46	211.6	29.15	217.6	29.66
		307.5	154.2	17.91	167.0	20.88	182.0	24.30	197.8	27.38	203.6	28.02	211.6	28.71	217.6	29.22
		615.0	154.2	16.46	167.0	19.50	182.0	22.71	197.8	25.61	203.6	26.24	211.6	26.93	217.6	27.43
		768.8	154.2	16.02	167.0	19.11	182.0	22.27	197.8	25.11	203.6	25.74	211.6	26.37	217.6	26.80
		922.5	154.2	15.81	167.0	18.93	182.0	22.06	197.8	24.85	203.6	25.49	211.6	26.10	217.6	26.49
	25	246.0	154.2	22.46	167.0	26.11	182.0	30.40	197.8	34.17	203.6	35.01	211.6	35.88	217.6	36.52
		307.5	154.2	22.01	167.0	25.67	182.0	29.90	197.8	33.63	203.6	34.44	211.6	35.32	217.6	35.95
		615.0	154.2	20.25	167.0	23.97	182.0	27.95	197.8	31.48	203.6	32.23	211.6	33.06	217.6	33.74
		768.8	154.2	19.69	167.0	23.47	182.0	27.38	197.8	30.84	203.6	31.61	211.6	32.43	217.6	32.93
		922.5	154.2	19.39	167.0	23.22	182.0	27.09	197.8	30.53	203.6	31.30	211.6	32.12	217.6	32.53
	30	246.0	154.2	27.10	167.0	31.55	182.0	36.75	197.8	41.35	203.6	42.32	211.6	43.39	217.6	44.15
		307.5	154.2	26.57	167.0	31.04	182.0	36.15	197.8	40.68	203.6	41.65	211.6	42.70	217.6	43.46
		615.0	154.2	24.48	167.0	29.01	182.0	33.75	197.8	38.05	203.6	38.99	211.6	39.99	217.6	40.76
		768.8	154.2	23.78	167.0	28.39	182.0	33.06	197.8	37.29	203.6	38.24	211.6	39.23	217.6	39.82
		922.5	154.2	23.44	167.0	28.07	182.0	32.72	197.8	36.91	203.6	37.86	211.6	38.86	217.6	39.34
	35	246.0	141.1	27.82	152.9	32.33	166.4	37.63	180.9	42.40	186.3	43.40	193.6	44.43	199.1	45.23
		307.5	141.1	27.26	152.9	31.80	166.4	37.03	180.9	41.71	186.3	42.71	193.6	43.73	199.1	44.54
		615.0	141.1	25.05	152.9	29.71	166.4	34.63	180.9	38.99	186.3	39.93	193.6	41.01	199.1	41.77
		768.8	141.1	24.36	152.9	29.09	166.4	33.94	180.9	38.23	186.3	39.18	193.6	40.19	199.1	40.81
		922.5	141.1	24.01	152.9	28.77	166.4	33.59	180.9	37.85	186.3	38.81	193.6	39.78	199.1	40.33
	40	246.0	128.0	29.94	138.6	34.76	151.0	40.53	164.2	45.59	169.0	46.69	175.6	47.83	180.5	48.70
		307.5	128.0	29.34	138.6	34.20	151.0	39.87	164.2	44.86	169.0	45.94	175.6	47.07	180.5	47.95
		615.0	128.0	27.00	138.6	31.99	151.0	37.28	164.2	41.95	169.0	42.97	175.6	44.10	180.5	44.98
		768.8	128.0	26.24	138.6	31.30	151.0	36.52	164.2	41.14	169.0	42.20	175.6	43.28	180.5	43.92
		922.5	128.0	25.86	138.6	30.95	151.0	36.14	164.2	40.73	169.0	41.82	175.6	42.87	180.5	43.38

7. Capacity tables

Cooling Capacity (64 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	45	246.0	115.0	32.06	124.4	37.20	135.5	43.41	147.5	48.81	151.9	49.96	157.7	51.23	161.9	52.14
		307.5	115.0	31.43	124.4	36.60	135.5	42.71	147.5	48.02	151.9	49.16	157.7	50.41	161.9	51.35
		615.0	115.0	28.94	124.4	34.27	135.5	39.93	147.5	44.92	151.9	46.01	157.7	47.21	161.9	48.18
		768.8	115.0	28.12	124.4	33.51	135.5	39.11	147.5	44.04	151.9	45.22	157.7	46.37	161.9	47.01
		922.5	115.0	27.70	124.4	33.12	135.5	38.70	147.5	43.61	151.9	44.83	157.7	45.95	161.9	46.42
110	10	246.0	148.8	10.67	161.2	12.37	175.4	14.47	190.5	16.24	196.1	16.61	204.1	17.10	209.4	17.36
		307.5	148.8	10.47	161.2	12.15	175.4	14.22	190.5	15.98	196.1	16.36	204.1	16.83	209.4	17.10
		615.0	148.8	9.61	161.2	11.37	175.4	13.26	190.5	14.94	196.1	15.39	204.1	15.74	209.4	16.00
		768.8	148.8	9.36	161.2	11.14	175.4	12.94	190.5	14.72	196.1	14.97	204.1	15.45	209.4	15.61
		922.5	148.8	9.23	161.2	11.02	175.4	12.79	190.5	14.60	196.1	14.77	204.1	15.29	209.4	15.41
	15	246.0	147.8	14.29	160.0	16.61	174.3	19.36	189.5	21.80	195.2	22.30	202.8	22.89	208.4	23.28
		307.5	147.8	14.01	160.0	16.34	174.3	19.04	189.5	21.45	195.2	21.95	202.8	22.51	208.4	22.91
		615.0	147.8	12.87	160.0	15.27	174.3	17.80	189.5	20.06	195.2	20.56	202.8	21.08	208.4	21.46
		768.8	147.8	12.55	160.0	14.95	174.3	17.42	189.5	19.69	195.2	20.13	202.8	20.69	208.4	20.94
		922.5	147.8	12.39	160.0	14.80	174.3	17.22	189.5	19.50	195.2	19.92	202.8	20.49	208.4	20.68
	20	246.0	147.1	17.51	159.3	20.40	173.4	23.72	188.5	26.74	194.2	27.38	201.6	28.02	207.4	28.52
		307.5	147.1	17.16	159.3	20.06	173.4	23.34	188.5	26.31	194.2	26.93	201.6	27.57	207.4	28.07
		615.0	147.1	15.78	159.3	18.74	173.4	21.83	188.5	24.59	194.2	25.18	201.6	25.81	207.4	26.31
		768.8	147.1	15.39	159.3	18.35	173.4	21.38	188.5	24.10	194.2	24.72	201.6	25.35	207.4	25.67
		922.5	147.1	15.19	159.3	18.17	173.4	21.16	188.5	23.85	194.2	24.50	201.6	25.13	207.4	25.35
	25	246.0	147.1	21.43	159.3	24.94	173.4	29.05	188.5	32.71	194.2	33.47	201.6	34.29	207.4	34.92
		307.5	147.1	21.02	159.3	24.54	173.4	28.58	188.5	32.19	194.2	32.93	201.6	33.75	207.4	34.38
		615.0	147.1	19.36	159.3	22.96	173.4	26.74	188.5	30.10	194.2	30.84	201.6	31.61	207.4	32.23
		768.8	147.1	18.81	159.3	22.46	173.4	26.18	188.5	29.52	194.2	30.22	201.6	31.04	207.4	31.42
		922.5	147.1	18.53	159.3	22.21	173.4	25.90	188.5	29.23	194.2	29.91	201.6	30.75	207.4	31.01
	30	246.0	147.1	26.13	159.3	30.41	173.4	35.40	188.5	39.90	194.2	40.84	201.6	41.80	207.4	42.56
		307.5	147.1	25.62	159.3	29.91	173.4	34.83	188.5	39.23	194.2	40.19	201.6	41.14	207.4	41.90
		615.0	147.1	23.59	159.3	27.96	173.4	32.56	188.5	36.66	194.2	37.60	201.6	38.54	207.4	39.24
		768.8	147.1	22.96	159.3	27.38	173.4	31.92	188.5	35.96	194.2	36.85	201.6	37.79	207.4	38.30
		922.5	147.1	22.64	159.3	27.09	173.4	31.60	188.5	35.61	194.2	36.47	201.6	37.42	207.4	37.82
	35	246.0	137.0	27.21	148.4	31.61	161.6	36.81	175.6	41.48	180.9	42.46	187.9	43.47	193.2	44.28
		307.5	137.0	26.68	148.4	31.10	161.6	36.22	175.6	40.81	180.9	41.77	187.9	42.78	193.2	43.59
		615.0	137.0	24.54	148.4	29.08	161.6	33.88	175.6	38.16	180.9	39.06	187.9	40.06	193.2	40.82
		768.8	137.0	23.85	148.4	28.46	161.6	33.18	175.6	37.40	180.9	38.36	187.9	39.30	193.2	39.82
		922.5	137.0	23.51	148.4	28.14	161.6	32.83	175.6	37.02	180.9	38.01	187.9	38.93	193.2	39.31
	40	246.0	126.8	29.88	137.6	34.76	149.7	40.46	162.8	45.52	167.7	46.63	174.1	47.76	178.9	48.64
		307.5	126.8	29.28	137.6	34.19	149.7	39.81	162.8	44.79	167.7	45.87	174.1	47.00	178.9	47.88
		615.0	126.8	26.94	137.6	31.93	149.7	37.22	162.8	41.90	167.7	42.90	174.1	44.03	178.9	44.85
		768.8	126.8	26.18	137.6	31.24	149.7	36.46	162.8	41.07	167.7	42.14	174.1	43.22	178.9	43.72
		922.5	126.8	25.80	137.6	30.89	149.7	36.09	162.8	40.66	167.7	41.76	174.1	42.80	178.9	43.16
	45	246.0	116.8	32.52	126.7	37.89	137.7	44.12	149.8	49.57	154.3	50.80	160.4	52.05	164.8	53.00
		307.5	116.8	31.88	126.7	37.27	137.7	43.39	149.8	48.78	154.3	49.98	160.4	51.23	164.8	52.17
		615.0	116.8	29.34	126.7	34.78	137.7	40.56	149.8	45.63	154.3	46.76	160.4	48.02	164.8	48.88
		768.8	116.8	28.52	126.7	34.02	137.7	39.75	149.8	44.73	154.3	45.92	160.4	47.12	164.8	47.63
		922.5	116.8	28.10	126.7	33.64	137.7	39.34	149.8	44.29	154.3	45.51	160.4	46.68	164.8	47.00
100	10	246.0	139.8	10.09	151.3	11.73	164.9	13.51	179.2	15.36	184.6	15.61	191.7	16.12	197.1	16.38
		307.5	139.8	9.90	151.3	11.53	164.9	13.30	179.2	15.11	184.6	15.38	191.7	15.83	197.1	16.13
		615.0	139.8	9.10	151.3	10.76	164.9	12.49	179.2	14.15	184.6	14.44	191.7	14.80	197.1	15.09
		768.8	139.8	8.79	151.3	10.50	164.9	12.23	179.2	13.83	184.6	14.15	191.7	14.50	197.1	14.64
		922.5	139.8	8.64	151.3	10.37	164.9	12.08	179.2	13.67	184.6	13.99	191.7	14.35	197.1	14.39
	15	246.0	139.8	13.66	151.3	15.83	164.9	18.40	179.2	20.78	184.6	21.24	191.7	21.80	197.1	22.18
		307.5	139.8	13.38	151.3	15.59	164.9	18.12	179.2	20.43	184.6	20.89	191.7	21.45	197.1	21.82
		615.0	139.8	12.30	151.3	14.57	164.9	16.97	179.2	19.11	184.6	19.56	191.7	20.06	197.1	20.43
		768.8	139.8	11.93	151.3	14.25	164.9	16.60	179.2	18.73	184.6	19.18	191.7	19.69	197.1	19.87
		922.5	139.8	11.74	151.3	14.10	164.9	16.41	179.2	18.54	184.6	19.00	191.7	19.50	197.1	19.59
	20	246.0	139.8	16.81	151.3	19.50	164.9	22.76	179.2	25.59	184.6	26.23	191.7	26.87	197.1	27.32
		307.5	139.8	16.46	151.3	19.18	164.9	22.39	179.2	25.18	184.6	25.80	191.7	26.43	197.1	26.88
		615.0	139.8	15.14	151.3	17.97	164.9	20.94	179.2	23.54	184.6	24.10	191.7	24.73	197.1	25.18
		768.8	139.8	14.71	151.3	17.60	164.9	20.49	179.2	23.09	184.6	23.66	191.7	24.29	197.1	24.54
		922.5	139.8	14.50	151.3	17.41	164.9	20.27	179.2	22.86	184.6	23.43	191.7	24.07	197.1	24.22
	25	246.0	139.8	20.47	151.3	23.79	164.9	27.71	179.2	31.23	184.6	32.00	191.7	32.77	197.1	33.34
		307.5	139.8	20.06	151.3	23.40	164.9	27.27	179.2	30.73	184.6	31.48	191.7	32.23	197.1	32.81
		615.0	139.8	18.48	151.3	21.89	164.9	25.49	179.2	28.71	184.6	29.41	191.7	30.15	197.1	30.73
		768.8	139.8	17.97	151.3	21.45	164.9	24.98	179.2	28.14	184.6	28.84	191.7	29.59	197.1	29.91
		922.5	139.8	17.71	151.3	21.23	164.9	24.72	179.2	27.85	184.6	28.55	191.7	29.30	197.1	29.50
	30	246.0	139.8	25.18	151.3	29.30	164.9	34.13	179.2	38.41	184.6	39.31	191.7	40.26	197.1	41.03
		307.5	139.8	24.67	151.3	28.83	164.9	33.57	179.2	37.78	184.6	38.68	191.7	39.62	197.1	40.37
		615.0	139.8	22.71	151.3	26.94	164.9	31.36	179.2	35.33	184.6	36.16	191.7	37.09	197.1	37.78
		768.8	139.8	22.08	151.3	26.37	164.9	30.73	179.2	34.64	184.6	35.52	191.7	36.40	197.1	36.78
		922.5	139.8	21.77	151.3	26.09	164.9	30.40	179.2	34.29	184.6	35.19	191.7	36.06	197.1	36.28
	35	246.0	132.8	26.59	144.0	30.90	156.6	35.97	170.2	40.53	175.4	41.49	182.2	42.49	187.3	43.28
		307.5	132.8	26.05	144.0	30.40	156.6	35.40	170.2	39.87	175.4	40.82	182.2	41.83	187.3	42.59
		615.0	132.8	23.97	144.0	28.45	156.6	33.12	170.2	37.29	175.4	38.17	182.2	39.17	187.3	39.87
		768.8	132.8	23.34	144.0	27.82	156.6	32.43	170.2	36.59	175.4	37.47	182.2	38.43	187.3	38.81
		922.5	132.8	23.03	144.0	27.51	156.6	32.08	170.2	36.24	175.4	37.12	182.2	38.05	187.3	38.27
	40	246.0	125.7	29.86	136.3	34.70	148.4	40.41	161.3	45.47	166.1	46.56	172.8	47.69	177.3	48.52
		307.5	125.7	29.27	136.3	34.13	148.4	39.75	161.3	44.73	166.1	45.81	172.8	46.93	177.3	47.76
		615.0	125.7	26.88	136.3	31.91	148.4	37.15	161.3	41.83	166.1	42.84	172.8	43.92	177.3	44.72
		768.8	125.7	26.17	136.3	31.22	148.4	36.39	161.3	41.02	166.1	42.02	172.8	43.10	177.3	43.54
		922.5	125.7	25.82	136.3	30.88	148.4	36.02	161.3	40.61	166.1	41.61	172.8	42.69	177.3	42.94

7. Capacity tables

Cooling Capacity (64 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	45	246.0	118.7	33.15	128.6	38.48	140.1	44.83	152.3	50.43	157.0	51.61	163.2	52.89	167.5	53.79
		307.5	118.7	32.47	128.6	37.85	140.1	44.09	152.3	49.60	157.0	50.79	163.2	52.05	167.5	52.94
		615.0	118.7	29.79	128.6	35.38	140.1	41.19	152.3	46.37	157.0	47.50	163.2	48.66	167.5	49.58
		768.8	118.7	29.00	128.6	34.62	140.1	40.36	152.3	45.43	157.0	46.57	163.2	47.77	167.5	48.27
		922.5	118.7	28.62	128.6	34.25	140.1	39.95	152.3	44.98	157.0	46.11	163.2	47.33	167.5	47.62
90	10	246.0	125.7	8.60	136.3	9.99	148.4	11.65	161.3	13.19	166.1	13.44	172.8	13.70	177.3	14.13
		307.5	125.7	8.43	136.3	9.85	148.4	11.48	161.3	12.99	166.1	13.23	172.8	13.54	177.3	13.90
		615.0	125.7	7.81	136.3	9.29	148.4	10.77	161.3	12.18	166.1	12.44	172.8	12.80	177.3	12.99
		768.8	125.7	7.59	136.3	8.99	148.4	10.56	161.3	11.83	166.1	12.20	172.8	12.57	177.3	12.56
		922.5	125.7	7.48	136.3	8.82	148.4	10.46	161.3	11.66	166.1	12.07	172.8	12.44	177.3	12.35
	15	246.0	125.7	11.71	136.3	13.61	148.4	15.84	161.3	17.89	166.1	18.27	172.8	18.71	177.3	19.11
		307.5	125.7	11.48	136.3	13.39	148.4	15.60	161.3	17.60	166.1	17.98	172.8	18.42	177.3	18.80
		615.0	125.7	10.59	136.3	12.55	148.4	14.58	161.3	16.45	166.1	16.84	172.8	17.28	177.3	17.60
		768.8	125.7	10.28	136.3	12.24	148.4	14.31	161.3	16.09	166.1	16.52	172.8	16.97	177.3	17.10
		922.5	125.7	10.13	136.3	12.09	148.4	14.18	161.3	15.91	166.1	16.37	172.8	16.80	177.3	16.85
	20	246.0	125.7	14.48	136.3	16.81	148.4	19.57	161.3	22.07	166.1	22.58	172.8	23.15	177.3	23.53
		307.5	125.7	14.19	136.3	16.53	148.4	19.25	161.3	21.70	166.1	22.21	172.8	22.77	177.3	23.16
		615.0	125.7	13.06	136.3	15.46	148.4	17.98	161.3	20.26	166.1	20.76	172.8	21.26	177.3	21.70
		768.8	125.7	12.69	136.3	15.14	148.4	17.66	161.3	19.87	166.1	20.38	172.8	20.88	177.3	21.13
		922.5	125.7	12.50	136.3	14.98	148.4	17.49	161.3	19.69	166.1	20.18	172.8	20.69	177.3	20.84
	25	246.0	125.7	17.63	136.3	20.53	148.4	23.86	161.3	26.88	166.1	27.50	172.8	28.20	177.3	28.72
		307.5	125.7	17.28	136.3	20.18	148.4	23.47	161.3	26.44	166.1	27.06	172.8	27.76	177.3	28.25
		615.0	125.7	15.90	136.3	18.86	148.4	21.95	161.3	24.73	166.1	25.30	172.8	25.98	177.3	26.43
		768.8	125.7	15.46	136.3	18.42	148.4	21.52	161.3	24.23	166.1	24.85	172.8	25.49	177.3	25.74
		922.5	125.7	15.23	136.3	18.20	148.4	21.30	161.3	23.98	166.1	24.63	172.8	25.24	177.3	25.40
	30	246.0	125.7	21.70	136.3	25.21	148.4	29.36	161.3	33.09	166.1	33.84	172.8	34.70	177.3	35.32
		307.5	125.7	21.25	136.3	24.80	148.4	28.89	161.3	32.55	166.1	33.31	172.8	34.13	177.3	34.76
		615.0	125.7	19.56	136.3	23.16	148.4	27.01	161.3	30.40	166.1	31.16	172.8	31.92	177.3	32.50
		768.8	125.7	19.00	136.3	22.70	148.4	26.44	161.3	29.84	166.1	30.54	172.8	31.36	177.3	31.66
		922.5	125.7	18.72	136.3	22.48	148.4	26.16	161.3	29.56	166.1	30.22	172.8	31.08	177.3	31.24
	35	246.0	122.3	23.43	132.5	27.19	144.3	31.67	156.8	35.65	161.5	36.50	167.7	37.38	172.4	38.07
		307.5	122.3	22.96	132.5	26.74	144.3	31.16	156.8	35.08	161.5	35.90	167.7	36.79	172.4	37.47
		615.0	122.3	21.08	132.5	24.99	144.3	29.15	156.8	32.81	161.5	33.58	167.7	34.44	172.4	35.08
		768.8	122.3	20.50	132.5	24.48	144.3	28.52	156.8	32.18	161.5	32.98	167.7	33.81	172.4	34.14
		922.5	122.3	20.22	132.5	24.23	144.3	28.21	156.8	31.86	161.5	32.69	167.7	33.50	172.4	33.67
	40	246.0	118.8	26.90	128.6	31.23	140.2	36.36	152.3	40.97	157.0	41.93	163.0	42.96	167.6	43.72
		307.5	118.8	26.36	128.6	30.73	140.2	35.78	152.3	40.31	157.0	41.26	163.0	42.27	167.6	43.03
		615.0	118.8	24.23	128.6	28.72	140.2	33.50	152.3	37.68	157.0	38.60	163.0	39.56	167.6	40.31
		768.8	118.8	23.54	128.6	28.13	140.2	32.81	152.3	36.97	157.0	37.85	163.0	38.86	167.6	39.23
		922.5	118.8	23.19	128.6	27.84	140.2	32.46	152.3	36.61	157.0	37.48	163.0	38.50	167.6	38.70
	45	246.0	115.2	30.37	125.0	35.26	136.1	41.04	147.8	46.30	152.3	47.37	158.1	48.53	162.8	49.35
		307.5	115.2	29.77	125.0	34.70	136.1	40.40	147.8	45.54	152.3	46.62	158.1	47.75	162.8	48.59
		615.0	115.2	27.38	125.0	32.44	136.1	37.84	147.8	42.54	152.3	43.64	158.1	44.68	162.8	45.54
		768.8	115.2	26.58	125.0	31.78	136.1	37.08	147.8	41.76	152.3	42.72	158.1	43.90	162.8	44.34
		922.5	115.2	26.17	125.0	31.45	136.1	36.71	147.8	41.36	152.3	42.26	158.1	43.50	162.8	43.73
80	10	246.0	111.8	7.33	121.0	8.37	131.9	9.74	143.4	11.11	147.6	11.27	153.4	11.60	157.7	11.72
		307.5	111.8	7.15	121.0	8.27	131.9	9.60	143.4	10.92	147.6	11.11	153.4	11.41	157.7	11.53
		615.0	111.8	6.52	121.0	7.83	131.9	9.05	143.4	10.13	147.6	10.43	153.4	10.63	157.7	10.81
		768.8	111.8	6.42	121.0	7.59	131.9	8.87	143.4	9.97	147.6	10.15	153.4	10.45	157.7	10.56
		922.5	111.8	6.37	121.0	7.45	131.9	8.78	143.4	9.88	147.6	10.02	153.4	10.37	157.7	10.42
	15	246.0	111.8	9.86	121.0	11.42	131.9	13.28	143.4	15.00	147.6	15.34	153.4	15.71	157.7	15.97
		307.5	111.8	9.65	121.0	11.23	131.9	13.06	143.4	14.76	147.6	15.08	153.4	15.46	157.7	15.71
		615.0	111.8	8.84	121.0	10.53	131.9	12.24	143.4	13.76	147.6	14.13	153.4	14.45	157.7	14.71
		768.8	111.8	8.65	121.0	10.28	131.9	11.99	143.4	13.51	147.6	13.82	153.4	14.20	157.7	14.32
		922.5	111.8	8.54	121.0	10.15	131.9	11.87	143.4	13.39	147.6	13.68	153.4	14.08	157.7	14.14
	20	246.0	111.8	12.11	121.0	14.11	131.9	16.43	143.4	18.48	147.6	18.92	153.4	19.37	157.7	19.75
		307.5	111.8	11.87	121.0	13.87	131.9	16.15	143.4	18.18	147.6	18.61	153.4	19.05	157.7	19.43
		615.0	111.8	10.91	121.0	12.94	131.9	15.08	143.4	16.98	147.6	17.41	153.4	17.85	157.7	18.18
		768.8	111.8	10.61	121.0	12.69	131.9	14.77	143.4	16.66	147.6	17.09	153.4	17.53	157.7	17.68
		922.5	111.8	10.45	121.0	12.55	131.9	14.60	143.4	16.50	147.6	16.93	153.4	17.36	157.7	17.43
	25	246.0	111.8	14.81	121.0	17.19	131.9	20.00	143.4	22.50	147.6	23.08	153.4	23.65	157.7	24.04
		307.5	111.8	14.51	121.0	16.91	131.9	19.69	143.4	22.15	147.6	22.70	153.4	23.27	157.7	23.67
		615.0	111.8	13.32	121.0	15.78	131.9	18.41	143.4	20.75	147.6	21.20	153.4	21.77	157.7	22.15
		768.8	111.8	12.94	121.0	15.46	131.9	18.04	143.4	20.32	147.6	20.82	153.4	21.38	157.7	21.57
		922.5	111.8	12.76	121.0	15.29	131.9	17.85	143.4	20.09	147.6	20.63	153.4	21.19	157.7	21.29
	30	246.0	111.8	18.15	121.0	21.11	131.9	24.63	143.4	27.70	147.6	28.33	153.4	29.04	157.7	29.61
		307.5	111.8	17.80	121.0	20.76	131.9	24.22	143.4	27.26	147.6	27.89	153.4	28.58	157.7	29.14
		615.0	111.8	16.39	121.0	19.43	131.9	22.64	143.4	25.49	147.6	26.11	153.4	26.75	157.7	27.26
		768.8	111.8	15.96	121.0	19.00	131.9	22.15	143.4	24.99	147.6	25.61	153.4	26.25	157.7	26.56
		922.5	111.8	15.74	121.0	18.78	131.9	21.89	143.4	24.74	147.6	25.36	153.4	25.99	157.7	26.21
	35	246.0	111.8	20.21	121.0	23.47	131.9	27.32	143.4	30.79	147.6	31.55	153.4	32.33	157.7	32.90
		307.5	111.8	19.80	121.0	23.09	131.9	26.88	143.4	30.29	147.6	31.04	153.4	31.80	157.7	32.36
		615.0	111.8	18.23	121.0	21.58	131.9	25.18	143.4	28.33	147.6	29.01	153.4	29.72	157.7	30.28
		768.8	111.8	17.72	121.0	21.13	131.9	24.66	143.4	27.77	147.6	28.46	153.4	29.21	157.7	29.46
		922.5	111.8	17.47	121.0	20.90	131.9	24.41	143.4	27.48	147.6	28.18	153.4	28.94	157.7	29.06
	40	246.0	111.8	23.94	121.0	27.84	131.9	32.40	143.4	36.50	147.6	37.33	153.4	38.28	157.7	38.93
		307.5	111.8	23.46	121.0	27.37	131.9	31.86	143.4	35.89	147.6	36.72	153.4	37.66	157.7	38.30
		615.0	111.8	21.57	121.0	25.56	131.9	29.78	143.4	33.57	147.6	34.32	153.4	35.20	157.7	35.84
		768.8	111.8	20.95	121.0	25.04	131.9	29.16	143.4	32.88	147.6	33.68	153.4	34.57	157.7	34.90
		922.5	111.8	20.63	121.0	24.78	131.9	28.84	143.4	32.53	147.6	33.37	153.4	34.26	157.7	34.43

7. Capacity tables

Cooling Capacity (64 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	246.0	111.8	27.69	121.0	32.19	131.9	37.48	143.4	42.19	147.6	43.10	153.4	44.22	157.7	44.95
		307.5	111.8	27.12	121.0	31.65	131.9	36.85	143.4	41.50	147.6	42.41	153.4	43.51	157.7	44.23
		615.0	111.8	24.91	121.0	29.53	131.9	34.39	143.4	38.80	147.6	39.63	153.4	40.68	157.7	41.39
		768.8	111.8	24.17	121.0	28.94	131.9	33.64	143.4	37.98	147.6	38.92	153.4	39.93	157.7	40.33
		922.5	111.8	23.81	121.0	28.65	131.9	33.28	143.4	37.57	147.6	38.57	153.4	39.56	157.7	39.80
70	10	246.0	97.9	5.99	106.0	6.99	115.4	8.10	125.4	9.11	129.3	9.42	134.2	9.67	137.9	9.74
		307.5	97.9	5.89	106.0	6.86	115.4	7.96	125.4	9.00	129.3	9.29	134.2	9.51	137.9	9.60
		615.0	97.9	5.45	106.0	6.40	115.4	7.46	125.4	8.49	129.3	8.67	134.2	8.92	137.9	9.05
		768.8	97.9	5.33	106.0	6.26	115.4	7.35	125.4	8.27	129.3	8.44	134.2	8.68	137.9	8.80
		922.5	97.9	5.27	106.0	6.18	115.4	7.29	125.4	8.14	129.3	8.33	134.2	8.56	137.9	8.68
	15	246.0	97.9	8.17	106.0	9.50	115.4	11.04	125.4	12.43	129.3	12.76	134.2	13.08	137.9	13.28
		307.5	97.9	8.00	106.0	9.35	115.4	10.85	125.4	12.24	129.3	12.55	134.2	12.86	137.9	13.06
		615.0	97.9	7.37	106.0	8.71	115.4	10.15	125.4	11.47	129.3	11.73	134.2	12.05	137.9	12.24
		768.8	97.9	7.19	106.0	8.53	115.4	9.97	125.4	11.23	129.3	11.49	134.2	11.80	137.9	11.93
		922.5	97.9	7.08	106.0	8.43	115.4	9.87	125.4	11.11	129.3	11.37	134.2	11.67	137.9	11.76
	20	246.0	97.9	10.12	106.0	11.73	115.4	13.65	125.4	15.38	129.3	15.71	134.2	16.10	137.9	16.43
		307.5	97.9	9.90	106.0	11.54	115.4	13.44	125.4	15.13	129.3	15.46	134.2	15.84	137.9	16.15
		615.0	97.9	9.08	106.0	10.78	115.4	12.56	125.4	14.14	129.3	14.45	134.2	14.84	137.9	15.08
		768.8	97.9	8.83	106.0	10.54	115.4	12.30	125.4	13.87	129.3	14.20	134.2	14.57	137.9	14.70
		922.5	97.9	8.70	106.0	10.42	115.4	12.17	125.4	13.74	129.3	14.08	134.2	14.44	137.9	14.51
	25	246.0	97.9	12.30	106.0	14.31	115.4	16.61	125.4	18.74	129.3	19.18	134.2	19.62	137.9	20.00
		307.5	97.9	12.05	106.0	14.07	115.4	16.34	125.4	18.42	129.3	18.87	134.2	19.31	137.9	19.69
		615.0	97.9	11.10	106.0	13.12	115.4	15.32	125.4	17.22	129.3	17.66	134.2	18.11	137.9	18.42
		768.8	97.9	10.78	106.0	12.86	115.4	15.00	125.4	16.91	129.3	17.29	134.2	17.73	137.9	17.92
		922.5	97.9	10.62	106.0	12.74	115.4	14.85	125.4	16.75	129.3	17.10	134.2	17.55	137.9	17.67
	30	246.0	97.9	15.13	106.0	17.56	115.4	20.47	125.4	23.04	129.3	23.59	134.2	24.16	137.9	24.63
		307.5	97.9	14.83	106.0	17.28	115.4	20.12	125.4	22.65	129.3	23.21	134.2	23.78	137.9	24.22
		615.0	97.9	13.62	106.0	16.15	115.4	18.81	125.4	21.19	129.3	21.71	134.2	22.27	137.9	22.64
		768.8	97.9	13.25	106.0	15.83	115.4	18.42	125.4	20.76	129.3	21.31	134.2	21.83	137.9	22.08
		922.5	97.9	13.06	106.0	15.67	115.4	18.23	125.4	20.55	129.3	21.11	134.2	21.61	137.9	21.80
	35	246.0	97.9	16.81	106.0	19.50	115.4	22.76	125.4	25.59	129.3	26.23	134.2	26.87	137.9	27.32
		307.5	97.9	16.46	106.0	19.18	115.4	22.39	125.4	25.18	129.3	25.80	134.2	26.43	137.9	26.88
		615.0	97.9	15.14	106.0	17.97	115.4	20.89	125.4	23.54	129.3	24.10	134.2	24.73	137.9	25.18
		768.8	97.9	14.71	106.0	17.55	115.4	20.49	125.4	23.09	129.3	23.66	134.2	24.28	137.9	24.54
		922.5	97.9	14.50	106.0	17.33	115.4	20.30	125.4	22.86	129.3	23.43	134.2	24.06	137.9	24.22
	40	246.0	97.9	19.91	106.0	23.08	115.4	26.94	125.4	30.34	129.3	31.04	134.2	31.79	137.9	32.36
		307.5	97.9	19.50	106.0	22.71	115.4	26.50	125.4	29.84	129.3	30.54	134.2	31.29	137.9	31.85
		615.0	97.9	17.92	106.0	21.26	115.4	24.79	125.4	27.89	129.3	28.57	134.2	29.27	137.9	29.84
		768.8	97.9	17.42	106.0	20.81	115.4	24.23	125.4	27.33	129.3	28.02	134.2	28.76	137.9	29.02
		922.5	97.9	17.16	106.0	20.59	115.4	23.95	125.4	27.04	129.3	27.73	134.2	28.51	137.9	28.61
	45	246.0	97.9	23.00	106.0	26.68	115.4	31.09	125.4	35.07	129.3	35.85	134.2	36.74	137.9	37.42
		307.5	97.9	22.53	106.0	26.25	115.4	30.61	125.4	34.50	129.3	35.28	134.2	36.15	137.9	36.83
		615.0	97.9	20.71	106.0	24.56	115.4	28.69	125.4	32.23	129.3	33.03	134.2	33.81	137.9	34.50
		768.8	97.9	20.12	106.0	24.08	115.4	27.97	125.4	31.55	129.3	32.37	134.2	33.25	137.9	33.51
		922.5	97.9	19.83	106.0	23.84	115.4	27.60	125.4	31.21	129.3	32.04	134.2	32.96	137.9	33.00
60	10	246.0	83.8	4.78	90.9	5.55	98.8	6.41	107.5	7.34	110.7	7.53	115.2	7.64	118.4	7.79
		307.5	83.8	4.68	90.9	5.46	98.8	6.33	107.5	7.21	110.7	7.41	115.2	7.53	118.4	7.66
		615.0	83.8	4.32	90.9	5.10	98.8	6.02	107.5	6.73	110.7	6.86	115.2	7.09	118.4	7.21
		768.8	83.8	4.14	90.9	5.05	98.8	5.89	107.5	6.62	110.7	6.76	115.2	6.91	118.4	7.03
		922.5	83.8	4.04	90.9	5.02	98.8	5.83	107.5	6.56	110.7	6.70	115.2	6.82	118.4	6.94
	15	246.0	83.8	6.51	90.9	7.57	98.8	8.78	107.5	9.93	110.7	10.20	115.2	10.39	118.4	10.57
		307.5	83.8	6.38	90.9	7.44	98.8	8.65	107.5	9.77	110.7	10.03	115.2	10.22	118.4	10.42
		615.0	83.8	5.87	90.9	6.94	98.8	8.13	107.5	9.14	110.7	9.35	115.2	9.59	118.4	9.77
		768.8	83.8	5.69	90.9	6.81	98.8	7.95	107.5	8.96	110.7	9.16	115.2	9.39	118.4	9.52
		922.5	83.8	5.59	90.9	6.75	98.8	7.86	107.5	8.87	110.7	9.06	115.2	9.30	118.4	9.39
	20	246.0	83.8	8.04	90.9	9.36	98.8	10.90	107.5	12.24	110.7	12.57	115.2	12.84	118.4	13.08
		307.5	83.8	7.89	90.9	9.21	98.8	10.72	107.5	12.05	110.7	12.36	115.2	12.63	118.4	12.86
		615.0	83.8	7.25	90.9	8.59	98.8	10.03	107.5	11.29	110.7	11.54	115.2	11.81	118.4	12.05
		768.8	83.8	7.06	90.9	8.39	98.8	9.78	107.5	11.04	110.7	11.30	115.2	11.60	118.4	11.73
		922.5	83.8	6.96	90.9	8.30	98.8	9.66	107.5	10.91	110.7	11.18	115.2	11.51	118.4	11.58
	25	246.0	83.8	9.78	90.9	11.42	98.8	13.27	107.5	14.94	110.7	15.28	115.2	15.65	118.4	15.96
		307.5	83.8	9.59	90.9	11.23	98.8	13.06	107.5	14.70	110.7	15.02	115.2	15.40	118.4	15.70
		615.0	83.8	8.83	90.9	10.48	98.8	12.18	107.5	13.75	110.7	14.07	115.2	14.44	118.4	14.70
		768.8	83.8	8.59	90.9	10.22	98.8	11.93	107.5	13.44	110.7	13.81	115.2	14.14	118.4	14.31
		922.5	83.8	8.46	90.9	10.10	98.8	11.81	107.5	13.28	110.7	13.69	115.2	13.99	118.4	14.13
	30	246.0	83.8	12.04	90.9	13.98	98.8	16.29	107.5	18.33	110.7	18.80	115.2	19.24	118.4	19.63
		307.5	83.8	11.80	90.9	13.76	98.8	16.03	107.5	18.05	110.7	18.49	115.2	18.94	118.4	19.31
		615.0	83.8	10.85	90.9	12.87	98.8	15.01	107.5	16.91	110.7	17.29	115.2	17.73	118.4	18.05
		768.8	83.8	10.54	90.9	12.62	98.8	14.70	107.5	16.59	110.7	16.98	115.2	17.42	118.4	17.60
		922.5	83.8	10.39	90.9	12.49	98.8	14.54	107.5	16.43	110.7	16.81	115.2	17.26	118.4	17.37
	35	246.0	83.8	13.40	90.9	15.58	98.8	18.16	107.5	20.39	110.7	20.91	115.2	21.42	118.4	21.79
		307.5	83.8	13.12	90.9	15.32	98.8	17.85	107.5	20.06	110.7	20.56	115.2	21.08	118.4	21.45
		615.0	83.8	12.06	90.9	14.31	98.8	16.66	107.5	18.80	110.7	19.24	115.2	19.69	118.4	20.06
		768.8	83.8	11.73	90.9	14.01	98.8	16.34	107.5	18.41	110.7	18.87	115.2	19.36	118.4	19.56
		922.5	83.8	11.57	90.9	13.85	98.8	16.18	107.5	18.23	110.7	18.68	115.2	19.20	118.4	19.30
	40	246.0	83.8	15.84	90.9	18.40	98.8	21.48	107.5	24.18	110.7	24.76	115.2	25.33	118.4	25.83
		307.5	83.8	15.53	90.9	18.12	98.8	21.13	107.5	23.78	110.7	24.35	115.2	24.92	118.4	25.42
		615.0	83.8	14.31	90.9	16.97	98.8	19.74	107.5	22.22	110.7	22.77	115.2	23.34	118.4	23.78
		768.8	83.8	13.88	90.9	16.59	98.8	19.36	107.5	21.78	110.7	22.33	115.2	22.91	118.4	23.15
		922.5	83.8	13.67	90.9	16.40	98.8	19.17	107.5	21.55	110.7	22.11	115.2	22.69	118.4	22.83

7. Capacity tables

Cooling Capacity (64 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	45	246.0	83.8	18.27	90.9	21.23	98.8	24.81	107.5	27.96	110.7	28.60	115.2	29.22	118.4	29.87
		307.5	83.8	17.92	90.9	20.91	98.8	24.42	107.5	27.49	110.7	28.13	115.2	28.77	118.4	29.40
		615.0	83.8	16.57	90.9	19.62	98.8	22.84	107.5	25.63	110.7	26.31	115.2	26.99	118.4	27.49
		768.8	83.8	16.03	90.9	19.17	98.8	22.39	107.5	25.13	110.7	25.80	115.2	26.45	118.4	26.73
		922.5	83.8	15.76	90.9	18.95	98.8	22.16	107.5	24.88	110.7	25.54	115.2	26.18	118.4	26.36
50	10	246.0	69.8	3.56	75.6	4.12	82.5	4.92	89.6	5.42	92.2	5.54	96.0	5.73	98.6	5.81
		307.5	69.8	3.49	75.6	4.07	82.5	4.83	89.6	5.33	92.2	5.48	96.0	5.63	98.6	5.72
		615.0	69.8	3.17	75.6	3.82	82.5	4.50	89.6	5.05	92.2	5.22	96.0	5.21	98.6	5.33
		768.8	69.8	3.10	75.6	3.83	82.5	4.39	89.6	4.92	92.2	4.99	96.0	5.17	98.6	5.17
		922.5	69.8	3.06	75.6	3.83	82.5	4.31	89.6	4.85	92.2	4.86	96.0	5.14	98.6	5.09
	15	246.0	69.8	4.84	75.6	5.64	82.5	6.61	89.6	7.38	92.2	7.57	96.0	7.76	98.6	7.90
		307.5	69.8	4.74	75.6	5.55	82.5	6.49	89.6	7.26	92.2	7.45	96.0	7.63	98.6	7.77
		615.0	69.8	4.36	75.6	5.18	82.5	6.06	89.6	6.81	92.2	7.00	96.0	7.14	98.6	7.26
		768.8	69.8	4.23	75.6	5.11	82.5	5.93	89.6	6.68	92.2	6.81	96.0	7.01	98.6	7.08
		922.5	69.8	4.17	75.6	5.07	82.5	5.88	89.6	6.61	92.2	6.73	96.0	6.95	98.6	6.98
	20	246.0	69.8	5.99	75.6	7.00	82.5	8.08	89.6	9.12	92.2	9.36	96.0	9.56	98.6	9.74
		307.5	69.8	5.87	75.6	6.87	82.5	7.96	89.6	8.97	92.2	9.21	96.0	9.40	98.6	9.59
		615.0	69.8	5.41	75.6	6.38	82.5	7.45	89.6	8.39	92.2	8.59	96.0	8.83	98.6	8.97
		768.8	69.8	5.24	75.6	6.25	82.5	7.31	89.6	8.26	92.2	8.45	96.0	8.65	98.6	8.76
		922.5	69.8	5.15	75.6	6.19	82.5	7.25	89.6	8.19	92.2	8.38	96.0	8.56	98.6	8.67
	25	246.0	69.8	7.29	75.6	8.46	82.5	9.87	89.6	11.16	92.2	11.42	96.0	11.67	98.6	11.86
		307.5	69.8	7.14	75.6	8.33	82.5	9.72	89.6	10.97	92.2	11.23	96.0	11.48	98.6	11.67
		615.0	69.8	6.57	75.6	7.82	82.5	9.09	89.6	10.22	92.2	10.48	96.0	10.74	98.6	10.97
		768.8	69.8	6.38	75.6	7.63	82.5	8.90	89.6	10.04	92.2	10.28	96.0	10.54	98.6	10.67
		922.5	69.8	6.27	75.6	7.54	82.5	8.81	89.6	9.94	92.2	10.19	96.0	10.44	98.6	10.51
	30	246.0	69.8	9.01	75.6	10.47	82.5	12.20	89.6	13.72	92.2	14.06	96.0	14.36	98.6	14.63
		307.5	69.8	8.82	75.6	10.28	82.5	11.98	89.6	13.50	92.2	13.81	96.0	14.14	98.6	14.38
		615.0	69.8	8.08	75.6	9.59	82.5	11.18	89.6	12.62	92.2	12.87	96.0	13.25	98.6	13.44
		768.8	69.8	7.89	75.6	9.39	82.5	10.97	89.6	12.36	92.2	12.68	96.0	12.99	98.6	13.12
		922.5	69.8	7.78	75.6	9.30	82.5	10.88	89.6	12.24	92.2	12.57	96.0	12.86	98.6	12.97
	35	246.0	69.8	9.98	75.6	11.60	82.5	13.53	89.6	15.21	92.2	15.59	96.0	15.96	98.6	16.22
		307.5	69.8	9.78	75.6	11.42	82.5	13.31	89.6	14.95	92.2	15.33	96.0	15.70	98.6	15.97
		615.0	69.8	9.02	75.6	10.67	82.5	12.43	89.6	14.01	92.2	14.32	96.0	14.70	98.6	14.95
		768.8	69.8	8.76	75.6	10.47	82.5	12.17	89.6	13.75	92.2	14.07	96.0	14.44	98.6	14.57
		922.5	69.8	8.65	75.6	10.37	82.5	12.05	89.6	13.62	92.2	13.94	96.0	14.31	98.6	14.38
	40	246.0	69.8	11.86	75.6	13.73	82.5	16.04	89.6	18.02	92.2	18.47	96.0	18.91	98.6	19.24
		307.5	69.8	11.60	75.6	13.51	82.5	15.76	89.6	17.73	92.2	18.17	96.0	18.60	98.6	18.94
		615.0	69.8	10.66	75.6	12.63	82.5	14.71	89.6	16.59	92.2	16.98	96.0	17.42	98.6	17.72
		768.8	69.8	10.35	75.6	12.36	82.5	14.44	89.6	16.28	92.2	16.66	96.0	17.09	98.6	17.23
		922.5	69.8	10.20	75.6	12.23	82.5	14.30	89.6	16.11	92.2	16.50	96.0	16.93	98.6	16.98
	45	246.0	69.8	13.72	75.6	15.85	82.5	18.53	89.6	20.85	92.2	21.34	96.0	21.85	98.6	22.25
		307.5	69.8	13.44	75.6	15.60	82.5	18.23	89.6	20.50	92.2	21.00	96.0	21.51	98.6	21.89
		615.0	69.8	12.30	75.6	14.58	82.5	16.99	89.6	19.17	92.2	19.63	96.0	20.13	98.6	20.48
		768.8	69.8	11.93	75.6	14.26	82.5	16.71	89.6	18.80	92.2	19.25	96.0	19.73	98.6	19.89
		922.5	69.8	11.75	75.6	14.11	82.5	16.57	89.6	18.61	92.2	19.06	96.0	19.55	98.6	19.59

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB680LAS4

Cooling Capacity (68 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (68 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (68 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (68 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (68 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB700LAS4

Cooling Capacity (70 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	10	268.8	182.3	12.99	197.4	15.23	214.9	17.72	233.4	19.90	240.5	20.31	249.9	21.00	256.9	21.28
		336.0	182.3	12.75	197.4	14.96	214.9	17.44	233.4	19.55	240.5	20.03	249.9	20.66	256.9	20.97
		672.0	182.3	11.82	197.4	13.89	214.9	16.23	233.4	18.31	240.5	18.83	249.9	19.24	256.9	19.69
		840.0	182.3	11.50	197.4	13.68	214.9	15.96	233.4	17.89	240.5	18.44	249.9	18.90	256.9	19.17
		1008.0	182.3	11.33	197.4	13.58	214.9	15.82	233.4	17.69	240.5	18.24	249.9	18.72	256.9	18.89
	15	268.8	179.2	17.13	194.2	19.96	211.4	23.25	229.6	26.12	236.6	26.74	245.7	27.46	252.7	27.91
		336.0	179.2	16.79	194.2	19.62	211.4	22.87	229.6	25.70	236.6	26.32	245.7	27.01	252.7	27.50
		672.0	179.2	15.48	194.2	18.31	211.4	21.35	229.6	24.04	236.6	24.66	245.7	25.29	252.7	25.84
		840.0	179.2	15.06	194.2	17.96	211.4	20.93	229.6	23.56	236.6	24.18	245.7	24.80	252.7	25.22
		1008.0	179.2	14.85	194.2	17.79	211.4	20.73	229.6	23.32	236.6	23.94	245.7	24.56	252.7	24.91
	20	268.8	176.7	20.80	191.4	24.15	208.3	28.15	226.5	31.68	233.1	32.44	242.2	33.20	249.2	33.82
		336.0	176.7	20.38	191.4	23.77	208.3	27.70	226.5	31.16	233.1	31.92	242.2	32.68	249.2	33.30
		672.0	176.7	18.72	191.4	22.25	208.3	25.91	226.5	29.16	233.1	29.85	242.2	30.68	249.2	31.30
		840.0	176.7	18.24	191.4	21.76	208.3	25.36	226.5	28.60	233.1	29.29	242.2	30.05	249.2	30.61
		1008.0	176.7	18.00	191.4	21.52	208.3	25.08	226.5	28.33	233.1	29.02	242.2	29.74	249.2	30.26
	25	268.8	176.7	25.67	191.4	29.78	208.3	34.68	226.5	39.14	233.1	40.04	242.2	40.97	249.2	41.66
		336.0	176.7	25.15	191.4	29.29	208.3	34.13	226.5	38.48	233.1	39.38	242.2	40.35	249.2	41.04
		672.0	176.7	23.14	191.4	27.43	208.3	31.92	226.5	35.93	233.1	36.82	242.2	37.86	249.2	38.55
		840.0	176.7	22.45	191.4	26.81	208.3	31.30	226.5	35.24	233.1	36.13	242.2	37.10	249.2	37.72
		1008.0	176.7	22.11	191.4	26.50	208.3	30.99	226.5	34.89	233.1	35.79	242.2	36.72	249.2	37.31
	30	268.8	176.7	30.81	191.4	35.75	208.3	41.63	226.5	46.91	233.1	48.02	242.2	49.19	249.2	50.02
		336.0	176.7	30.19	191.4	35.17	208.3	40.97	226.5	46.15	233.1	47.26	242.2	48.43	249.2	49.26
		672.0	176.7	27.70	191.4	32.89	208.3	38.34	226.5	43.11	233.1	44.22	242.2	45.39	249.2	46.29
		840.0	176.7	26.94	191.4	32.20	208.3	37.52	226.5	42.28	233.1	43.39	242.2	44.49	249.2	45.25
		1008.0	176.7	26.56	191.4	31.85	208.3	37.10	226.5	41.87	233.1	42.97	242.2	44.04	249.2	44.73
	35	268.8	158.9	31.09	172.2	36.17	187.3	42.14	203.7	47.39	210.0	48.60	218.1	49.78	224.3	50.57
		336.0	158.9	30.47	172.2	35.58	187.3	41.45	203.7	46.64	210.0	47.81	218.1	48.98	224.3	49.81
		672.0	158.9	28.05	172.2	33.23	187.3	38.76	203.7	43.66	210.0	44.70	218.1	45.88	224.3	46.84
		840.0	158.9	27.29	172.2	32.54	187.3	37.93	203.7	42.77	210.0	43.87	218.1	44.98	224.3	45.74
		1008.0	158.9	26.91	172.2	32.20	187.3	37.52	203.7	42.32	210.0	43.46	218.1	44.53	224.3	45.18
	40	268.8	141.4	32.85	153.0	38.14	166.6	44.46	181.0	49.99	186.6	51.16	193.9	52.41	199.2	53.37
		336.0	141.4	32.20	153.0	37.52	166.6	43.73	181.0	49.19	186.6	50.37	193.9	51.61	199.2	52.58
		672.0	141.4	29.57	153.0	35.10	166.6	40.90	181.0	46.01	186.6	47.19	193.9	48.43	199.2	49.40
		840.0	141.4	28.74	153.0	34.34	166.6	40.00	181.0	45.12	186.6	46.29	193.9	47.46	199.2	48.29
		1008.0	141.4	28.33	153.0	33.96	166.6	39.55	181.0	44.67	186.6	45.84	193.9	46.98	199.2	47.74
	45	268.8	123.5	34.65	134.1	40.07	145.6	46.77	158.5	52.61	163.4	53.75	169.4	55.06	174.3	56.20
		336.0	123.5	33.92	134.1	39.45	145.6	46.01	158.5	51.75	163.4	52.92	169.4	54.24	174.3	55.34
		672.0	123.5	31.09	134.1	36.96	145.6	43.04	158.5	48.36	163.4	49.68	169.4	50.99	174.3	51.96
		840.0	123.5	30.19	134.1	36.13	145.6	42.08	158.5	47.46	163.4	48.71	169.4	49.95	174.3	50.85
		1008.0	123.5	29.74	134.1	35.72	145.6	41.59	158.5	47.01	163.4	48.22	169.4	49.43	174.3	50.30
120	10	268.8	172.5	12.40	186.6	14.44	203.4	16.72	220.9	18.83	227.5	19.41	236.6	19.90	243.2	20.11
		336.0	172.5	12.13	186.6	14.20	203.4	16.48	220.9	18.55	227.5	19.07	236.6	19.55	243.2	19.80
		672.0	172.5	11.12	186.6	13.27	203.4	15.48	220.9	17.34	227.5	17.72	236.6	18.20	243.2	18.62
		840.0	172.5	10.81	186.6	12.85	203.4	15.13	220.9	16.93	227.5	17.48	236.6	17.86	243.2	18.21
		1008.0	172.5	10.64	186.6	12.64	203.4	14.96	220.9	16.72	227.5	17.34	236.6	17.69	243.2	18.00
	15	268.8	170.5	16.44	184.5	19.10	201.2	22.18	218.4	25.01	225.0	25.63	233.8	26.25	240.4	26.67
		336.0	170.5	16.10	184.5	18.79	201.2	21.83	218.4	24.60	225.0	25.22	233.8	25.84	240.4	26.25
		672.0	170.5	14.79	184.5	17.55	201.2	20.45	218.4	23.01	225.0	23.56	233.8	24.18	240.4	24.66
		840.0	170.5	14.37	184.5	17.13	201.2	20.04	218.4	22.52	225.0	23.14	233.8	23.70	240.4	24.11
		1008.0	170.5	14.16	184.5	16.93	201.2	19.83	218.4	22.28	225.0	22.94	233.8	23.46	240.4	23.84
	20	268.8	168.7	20.03	182.7	23.25	199.1	27.05	216.3	30.47	222.6	31.16	231.4	31.92	238.0	32.47
		336.0	168.7	19.62	182.7	22.87	199.1	26.60	216.3	29.98	222.6	30.68	231.4	31.44	238.0	31.99
		672.0	168.7	18.03	182.7	21.35	199.1	24.87	216.3	28.05	222.6	28.74	231.4	29.50	238.0	30.05
		840.0	168.7	17.55	182.7	20.93	199.1	24.39	216.3	27.50	222.6	28.19	231.4	28.88	238.0	29.36
		1008.0	168.7	17.31	182.7	20.73	199.1	24.15	216.3	27.22	222.6	27.91	231.4	28.57	238.0	29.02
	25	268.8	168.7	24.60	182.7	28.60	199.1	33.30	216.3	37.41	222.6	38.34	231.4	39.31	238.0	40.00
		336.0	168.7	24.11	182.7	28.12	199.1	32.75	216.3	36.82	222.6	37.72	231.4	38.69	238.0	39.38
		672.0	168.7	22.18	182.7	26.25	199.1	30.61	216.3	34.48	222.6	35.30	231.4	36.20	238.0	36.96
		840.0	168.7	21.56	182.7	25.70	199.1	29.98	216.3	33.78	222.6	34.61	231.4	35.51	238.0	36.06
		1008.0	168.7	21.24	182.7	25.42	199.1	29.67	216.3	33.44	222.6	34.27	231.4	35.17	238.0	35.62
	30	268.8	168.7	29.67	182.7	34.55	199.1	40.25	216.3	45.29	222.6	46.33	231.4	47.53	238.0	48.36
		336.0	168.7	29.09	182.7	33.99	199.1	39.59	216.3	44.56	222.6	45.60	231.4	46.77	238.0	47.60
		672.0	168.7	26.81	182.7	31.78	199.1	36.96	216.3	41.66	222.6	42.70	231.4	43.80	238.0	44.63
		840.0	168.7	26.05	182.7	31.09	199.1	36.20	216.3	40.83	222.6	41.87	231.4	42.97	238.0	43.60
		1008.0	168.7	25.67	182.7	30.74	199.1	35.82	216.3	40.42	222.6	41.45	231.4	42.56	238.0	43.08
	35	268.8	154.3	30.47	167.3	35.41	182.0	41.21	197.8	46.43	203.7	47.53	211.7	48.64	217.7	49.54
		336.0	154.3	29.85	167.3	34.82	182.0	40.56	197.8	45.67	203.7	46.77	211.7	47.88	217.7	48.78
		672.0	154.3	27.43	167.3	32.54	182.0	37.93	197.8	42.70	203.7	43.73	211.7	44.91	217.7	45.74
		840.0	154.3	26.67	167.3	31.85	182.0	37.17	197.8	41.87	203.7	42.90	211.7	44.01	217.7	44.70
		1008.0	154.3	26.29	167.3	31.50	182.0	36.79	197.8	41.45	203.7	42.49	211.7	43.56	217.7	44.18
	40	268.8	140.0	32.78	151.6	38.07	165.2	44.39	179.6	49.92	184.8	51.12	192.1	52.37	197.4	53.34
		336.0	140.0	32.13	151.6	37.45	165.2	43.66	179.6	49.12	184.8	50.30	192.1	51.54	197.4	52.51
		672.0	140.0	29.57	151.6	35.03	165.2	40.83	179.6	45.94	184.8	47.05	192.1	48.29	197.4	49.26
		840.0	140.0	28.74	151.6	34.27	165.2	40.00	179.6	45.05	184.8	46.22	192.1	47.40	197.4	48.09
		1008.0	140.0	28.33	151.6	33.89	165.2	39.59	179.6	44.60	184.8	45.81	192.1	46.95	197.4	47.50

7. Capacity tables

Cooling Capacity (70 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	45	268.8	125.7	35.10	136.1	40.73	148.1	47.53	161.4	53.44	166.2	54.69	172.5	56.10	177.1	57.10
		336.0	125.7	34.41	136.1	40.07	148.1	46.77	161.4	52.58	166.2	53.82	172.5	55.20	177.1	56.24
		672.0	125.7	31.71	136.1	37.52	148.1	43.73	161.4	49.19	166.2	50.37	172.5	51.68	177.1	52.78
		840.0	125.7	30.81	136.1	36.69	148.1	42.84	161.4	48.22	166.2	49.54	172.5	50.78	177.1	51.47
		1008.0	125.7	30.36	136.1	36.27	148.1	42.39	161.4	47.74	166.2	49.12	172.5	50.33	177.1	50.81
110	10	268.8	162.7	11.68	176.4	13.54	191.8	15.86	208.3	17.79	214.5	18.17	223.3	18.76	228.9	19.00
		336.0	162.7	11.47	176.4	13.30	191.8	15.58	208.3	17.51	214.5	17.90	223.3	18.45	228.9	18.72
		672.0	162.7	10.53	176.4	12.44	191.8	14.51	208.3	16.37	214.5	16.86	223.3	17.24	228.9	17.51
		840.0	162.7	10.26	176.4	12.19	191.8	14.16	208.3	16.13	214.5	16.37	223.3	16.92	228.9	17.10
		1008.0	162.7	10.12	176.4	12.05	191.8	13.99	208.3	15.99	214.5	16.13	223.3	16.75	228.9	16.89
	15	268.8	161.7	15.65	175.0	18.20	190.7	21.21	207.2	23.87	213.5	24.42	221.9	25.08	227.9	25.49
		336.0	161.7	15.34	175.0	17.89	190.7	20.86	207.2	23.49	213.5	24.04	221.9	24.66	227.9	25.08
		672.0	161.7	14.09	175.0	16.72	190.7	19.48	207.2	21.97	213.5	22.52	221.9	23.08	227.9	23.49
		840.0	161.7	13.75	175.0	16.37	190.7	19.07	207.2	21.56	213.5	22.04	221.9	22.66	227.9	22.94
		1008.0	161.7	13.58	175.0	16.20	190.7	18.86	207.2	21.35	213.5	21.80	221.9	22.45	227.9	22.66
	20	268.8	161.0	19.17	174.3	22.35	189.7	25.98	206.2	29.29	212.4	29.99	220.5	30.68	226.8	31.23
		336.0	161.0	18.79	174.3	21.97	189.7	25.56	206.2	28.81	212.4	29.50	220.5	30.19	226.8	30.74
		672.0	161.0	17.27	174.3	20.52	189.7	23.90	206.2	26.94	212.4	27.57	220.5	28.26	226.8	28.81
		840.0	161.0	16.86	174.3	20.10	189.7	23.42	206.2	26.39	212.4	27.08	220.5	27.77	226.8	28.12
		1008.0	161.0	16.65	174.3	19.90	189.7	23.18	206.2	26.12	212.4	26.84	220.5	27.53	226.8	27.77
	25	268.8	161.0	23.46	174.3	27.32	189.7	31.81	206.2	35.82	212.4	36.65	220.5	37.55	226.8	38.24
		336.0	161.0	23.01	174.3	26.88	189.7	31.30	206.2	35.24	212.4	36.06	220.5	36.96	226.8	37.65
		672.0	161.0	21.21	174.3	25.15	189.7	29.29	206.2	32.96	212.4	33.78	220.5	34.61	226.8	35.30
		840.0	161.0	20.59	174.3	24.60	189.7	28.67	206.2	32.33	212.4	33.09	220.5	33.99	226.8	34.41
		1008.0	161.0	20.28	174.3	24.32	189.7	28.36	206.2	32.02	212.4	32.75	220.5	33.68	226.8	33.96
	30	268.8	161.0	28.60	174.3	33.30	189.7	38.76	206.2	43.70	212.4	44.73	220.5	45.77	226.8	46.60
		336.0	161.0	28.05	174.3	32.75	189.7	38.14	206.2	42.97	212.4	44.01	220.5	45.05	226.8	45.88
		672.0	161.0	25.84	174.3	30.61	189.7	35.65	206.2	40.14	212.4	41.18	220.5	42.21	226.8	42.97
		840.0	161.0	25.15	174.3	29.98	189.7	34.96	206.2	39.38	212.4	40.35	220.5	41.38	226.8	41.94
		1008.0	161.0	24.80	174.3	29.67	189.7	34.61	206.2	39.00	212.4	39.93	220.5	40.97	226.8	41.42
	35	268.8	149.8	29.81	162.4	34.61	176.8	40.31	192.1	45.43	197.8	46.50	205.5	47.60	211.4	48.50
		336.0	149.8	29.22	162.4	34.06	176.8	39.66	192.1	44.70	197.8	45.74	205.5	46.84	211.4	47.74
		672.0	149.8	26.88	162.4	31.85	176.8	37.10	192.1	41.80	197.8	42.77	205.5	43.87	211.4	44.70
		840.0	149.8	26.12	162.4	31.16	176.8	36.34	192.1	40.97	197.8	42.01	205.5	43.04	211.4	43.60
		1008.0	149.8	25.74	162.4	30.81	176.8	35.96	192.1	40.55	197.8	41.63	205.5	42.63	211.4	43.04
	40	268.8	138.6	32.71	150.5	38.07	163.8	44.32	178.1	49.85	183.4	51.06	190.4	52.30	195.7	53.27
		336.0	138.6	32.06	150.5	37.45	163.8	43.60	178.1	49.05	183.4	50.23	190.4	51.47	195.7	52.44
		672.0	138.6	29.50	150.5	34.96	163.8	40.76	178.1	45.88	183.4	46.98	190.4	48.22	195.7	49.12
		840.0	138.6	28.67	150.5	34.20	163.8	39.93	178.1	44.98	183.4	46.15	190.4	47.33	195.7	47.88
		1008.0	138.6	28.26	150.5	33.82	163.8	39.52	178.1	44.53	183.4	45.74	190.4	46.88	195.7	47.26
	45	268.8	127.7	35.58	138.6	41.52	150.5	48.33	163.8	54.27	168.7	55.62	175.4	57.00	180.3	58.04
		336.0	127.7	34.89	138.6	40.83	150.5	47.53	163.8	53.41	168.7	54.72	175.4	56.10	180.3	57.14
		672.0	127.7	32.13	138.6	38.07	150.5	44.42	163.8	49.95	168.7	51.20	175.4	52.58	180.3	53.54
		840.0	127.7	31.23	138.6	37.24	150.5	43.53	163.8	48.98	168.7	50.30	175.4	51.61	180.3	52.16
		1008.0	127.7	30.78	138.6	36.82	150.5	43.08	163.8	48.50	168.7	49.85	175.4	51.13	180.3	51.47
100	10	268.8	152.9	11.05	165.5	12.85	180.3	14.75	196.0	16.82	201.9	17.06	209.7	17.65	215.6	17.96
		336.0	152.9	10.85	165.5	12.64	180.3	14.54	196.0	16.55	201.9	16.82	209.7	17.34	215.6	17.69
		672.0	152.9	9.98	165.5	11.78	180.3	13.68	196.0	15.51	201.9	15.82	209.7	16.23	215.6	16.55
		840.0	152.9	9.64	165.5	11.50	180.3	13.37	196.0	15.16	201.9	15.48	209.7	15.89	215.6	16.03
		1008.0	152.9	9.47	165.5	11.36	180.3	13.19	196.0	14.99	201.9	15.30	209.7	15.72	215.6	15.75
	15	268.8	152.9	14.96	165.5	17.34	180.3	20.14	196.0	22.76	201.9	23.25	209.7	23.87	215.6	24.29
		336.0	152.9	14.65	165.5	17.07	180.3	19.83	196.0	22.38	201.9	22.87	209.7	23.49	215.6	23.90
		672.0	152.9	13.47	165.5	15.96	180.3	18.59	196.0	20.93	201.9	21.42	209.7	21.97	215.6	22.38
		840.0	152.9	13.06	165.5	15.61	180.3	18.17	196.0	20.52	201.9	21.00	209.7	21.56	215.6	21.76
		1008.0	152.9	12.85	165.5	15.44	180.3	17.96	196.0	20.31	201.9	20.80	209.7	21.35	215.6	21.45
	20	268.8	152.9	18.41	165.5	21.35	180.3	24.94	196.0	28.02	201.9	28.74	209.7	29.43	215.6	29.91
		336.0	152.9	18.03	165.5	21.00	180.3	24.53	196.0	27.57	201.9	28.26	209.7	28.95	215.6	29.43
		672.0	152.9	16.58	165.5	19.69	180.3	22.94	196.0	25.77	201.9	26.39	209.7	27.08	215.6	27.57
		840.0	152.9	16.10	165.5	19.28	180.3	22.45	196.0	25.29	201.9	25.91	209.7	26.60	215.6	26.88
		1008.0	152.9	15.86	165.5	19.07	180.3	22.21	196.0	25.04	201.9	25.67	209.7	26.36	215.6	26.53
	25	268.8	152.9	22.42	165.5	26.05	180.3	30.33	196.0	34.20	201.9	35.06	209.7	35.89	215.6	36.51
		336.0	152.9	21.97	165.5	25.63	180.3	29.85	196.0	33.65	201.9	34.48	209.7	35.30	215.6	35.93
		672.0	152.9	20.24	165.5	23.97	180.3	27.91	196.0	31.44	201.9	32.20	209.7	33.02	215.6	33.65
		840.0	152.9	19.69	165.5	23.49	180.3	27.36	196.0	30.81	201.9	31.57	209.7	32.40	215.6	32.75
		1008.0	152.9	19.41	165.5	23.25	180.3	27.08	196.0	30.50	201.9	31.26	209.7	32.09	215.6	32.30
	30	268.8	152.9	27.57	165.5	32.09	180.3	37.38	196.0	42.07	201.9	43.04	209.7	44.08	215.6	44.94
		336.0	152.9	27.01	165.5	31.57	180.3	36.76	196.0	41.38	201.9	42.35	209.7	43.39	215.6	44.22
		672.0	152.9	24.87	165.5	29.50	180.3	34.34	196.0	38.69	201.9	39.59	209.7	40.62	215.6	41.38
		840.0	152.9	24.18	165.5	28.88	180.3	33.65	196.0	37.93	201.9	38.90	209.7	39.86	215.6	40.28
		1008.0	152.9	23.84	165.5	28.57	180.3	33.30	196.0	37.55	201.9	38.55	209.7	39.48	215.6	39.73
	35	268.8	145.3	29.12	157.5	33.85	171.2	39.38	186.2	44.39	191.8	45.43	199.2	46.53	204.8	47.39
		336.0	145.3	28.53	157.5	33.30	171.2	38.76	186.2	43.66	191.8	44.70	199.2	45.81	204.8	46.64
		672.0	145.3	26.25	157.5	31.16	171.2	36.27	186.2	40.83	191.8	41.80	199.2	42.90	204.8	43.66
		840.0	145.3	25.56	157.5	30.47	171.2	35.51	186.2	40.07	191.8	41.04	199.2	42.08	204.8	42.49
		1008.0	145.3	25.22	157.5	30.12	171.2	35.13	186.2	39.69	191.8	40.66	199.2	41.66	204.8	41.90
	40	268.8	137.5	32.71	149.1	38.00	162.4	44.25	176.4	49.78	181.7	50.99	189.0	52.23	193.9	53.13
		336.0	137.5	32.06	149.1	37.38	162.4	43.53	176.4	48.98	181.7	50.16	189.0	51.40	193.9	52.30
		672.0	137.5	29.43	149.1	34.96	162.4	40.69	176.4	45.81	181.7	46.91	189.0	48.09	193.9	48.98
		840.0	137.5	28.67	149.1	34.20	162.4	39.86	176.4	44.91	181.7	46.01	189.0	47.19	193.9	47.67
		1008.0	137.5	28.29	149.1	33.82	162.4	39.45	176.4	44.46	181.7	45.56	189.0	46.74	193.9	47.01

7. Capacity tables

Cooling Capacity (70 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	45	268.8	129.8	36.34	140.7	42.14	153.3	49.09	166.6	55.20	171.8	56.52	178.5	57.93	183.1	58.90
		336.0	129.8	35.58	140.7	41.45	153.3	48.29	166.6	54.30	171.8	55.62	178.5	57.00	183.1	57.97
		672.0	129.8	32.61	140.7	38.76	153.3	45.12	166.6	50.78	171.8	52.02	178.5	53.27	183.1	54.30
		840.0	129.8	31.78	140.7	37.93	153.3	44.22	166.6	49.74	171.8	50.99	178.5	52.30	183.1	52.85
		1008.0	129.8	31.37	140.7	37.52	153.3	43.77	166.6	49.23	171.8	50.47	178.5	51.82	183.1	52.13
90	10	268.8	137.5	9.40	149.1	10.92	162.4	12.75	176.4	14.44	181.7	14.71	189.0	14.99	193.9	15.48
		336.0	137.5	9.22	149.1	10.78	162.4	12.57	176.4	14.23	181.7	14.48	189.0	14.82	193.9	15.23
		672.0	137.5	8.57	149.1	10.19	162.4	11.78	176.4	13.37	181.7	13.64	189.0	14.03	193.9	14.23
		840.0	137.5	8.32	149.1	9.84	162.4	11.57	176.4	12.95	181.7	13.37	189.0	13.78	193.9	13.75
		1008.0	137.5	8.19	149.1	9.64	162.4	11.47	176.4	12.75	181.7	13.23	189.0	13.64	193.9	13.51
	15	268.8	137.5	12.82	149.1	14.89	162.4	17.34	176.4	19.59	181.7	20.00	189.0	20.49	193.9	20.93
		336.0	137.5	12.57	149.1	14.65	162.4	17.07	176.4	19.28	181.7	19.69	189.0	20.17	193.9	20.59
		672.0	137.5	11.61	149.1	13.75	162.4	15.96	176.4	18.03	181.7	18.45	189.0	18.93	193.9	19.28
		840.0	137.5	11.26	149.1	13.40	162.4	15.68	176.4	17.62	181.7	18.10	189.0	18.59	193.9	18.72
		1008.0	137.5	11.09	149.1	13.23	162.4	15.54	176.4	17.41	181.7	17.93	189.0	18.41	193.9	18.45
	20	268.8	137.5	15.86	149.1	18.41	162.4	21.42	176.4	24.18	181.7	24.73	189.0	25.36	193.9	25.77
		336.0	137.5	15.55	149.1	18.10	162.4	21.07	176.4	23.77	181.7	24.32	189.0	24.94	193.9	25.36
		672.0	137.5	14.30	149.1	16.93	162.4	19.69	176.4	22.18	181.7	22.73	189.0	23.28	193.9	23.77
		840.0	137.5	13.89	149.1	16.58	162.4	19.35	176.4	21.76	181.7	22.32	189.0	22.87	193.9	23.14
		1008.0	137.5	13.68	149.1	16.41	162.4	19.17	176.4	21.56	181.7	22.11	189.0	22.66	193.9	22.83
	25	268.8	137.5	19.31	149.1	22.49	162.4	26.12	176.4	29.43	181.7	30.12	189.0	30.88	193.9	31.47
		336.0	137.5	18.93	149.1	22.11	162.4	25.70	176.4	28.95	181.7	29.64	189.0	30.40	193.9	30.95
		672.0	137.5	17.41	149.1	20.66	162.4	24.04	176.4	27.08	181.7	27.70	189.0	28.46	193.9	28.95
		840.0	137.5	16.93	149.1	20.17	162.4	23.56	176.4	26.53	181.7	27.22	189.0	27.91	193.9	28.19
		1008.0	137.5	16.68	149.1	19.93	162.4	23.32	176.4	26.25	181.7	26.98	189.0	27.64	193.9	27.81
	30	268.8	137.5	23.77	149.1	27.60	162.4	32.16	176.4	36.24	181.7	37.07	189.0	38.00	193.9	38.69
		336.0	137.5	23.28	149.1	27.15	162.4	31.64	176.4	35.65	181.7	36.48	189.0	37.38	193.9	38.07
		672.0	137.5	21.42	149.1	25.36	162.4	29.57	176.4	33.30	181.7	34.13	189.0	34.96	193.9	35.58
		840.0	137.5	20.80	149.1	24.87	162.4	28.95	176.4	32.68	181.7	33.44	189.0	34.34	193.9	34.68
		1008.0	137.5	20.48	149.1	24.63	162.4	28.64	176.4	32.37	181.7	33.09	189.0	34.03	193.9	34.23
	35	268.8	133.7	25.67	144.9	29.78	157.8	34.68	171.5	39.04	176.7	39.97	183.4	40.93	188.6	41.70
		336.0	133.7	25.15	144.9	29.29	157.8	34.13	171.5	38.41	176.7	39.31	183.4	40.28	188.6	41.04
		672.0	133.7	23.08	144.9	27.36	157.8	31.92	171.5	35.93	176.7	36.76	183.4	37.72	188.6	38.41
		840.0	133.7	22.45	144.9	26.81	157.8	31.23	171.5	35.24	176.7	36.13	183.4	37.03	188.6	37.38
		1008.0	133.7	22.14	144.9	26.53	157.8	30.88	171.5	34.89	176.7	35.82	183.4	36.69	188.6	36.86
	40	268.8	129.9	29.47	140.7	34.20	153.3	39.80	166.6	44.87	171.8	45.91	178.2	47.05	183.4	47.88
		336.0	129.9	28.88	140.7	33.65	153.3	39.17	166.6	44.15	171.8	45.18	178.2	46.29	183.4	47.12
		672.0	129.9	26.53	140.7	31.44	153.3	36.69	166.6	41.25	171.8	42.28	178.2	43.32	183.4	44.15
		840.0	129.9	25.77	140.7	30.81	153.3	35.93	166.6	40.49	171.8	41.45	178.2	42.56	183.4	42.97
		1008.0	129.9	25.39	140.7	30.50	153.3	35.55	166.6	40.11	171.8	41.04	178.2	42.18	183.4	42.39
	45	268.8	126.0	33.27	136.8	38.62	148.8	44.91	161.7	50.71	166.6	51.88	172.9	53.16	178.1	54.03
		336.0	126.0	32.61	136.8	38.00	148.8	44.22	161.7	49.88	166.6	51.06	172.9	52.30	178.1	53.20
		672.0	126.0	29.98	136.8	35.51	148.8	41.45	161.7	46.57	166.6	47.81	172.9	48.92	178.1	49.88
		840.0	126.0	29.09	136.8	34.82	148.8	40.62	161.7	45.74	166.6	46.77	172.9	48.09	178.1	48.57
		1008.0	126.0	28.64	136.8	34.48	148.8	40.21	161.7	45.32	166.6	46.25	172.9	47.67	178.1	47.91
80	10	268.8	122.2	8.05	132.3	9.15	144.2	10.64	156.8	12.19	161.4	12.33	167.7	12.71	172.5	12.82
		336.0	122.2	7.84	132.3	9.05	144.2	10.50	156.8	11.98	161.4	12.16	167.7	12.50	172.5	12.61
		672.0	122.2	7.12	132.3	8.60	144.2	9.91	156.8	11.09	161.4	11.43	167.7	11.64	172.5	11.82
		840.0	122.2	7.05	132.3	8.32	144.2	9.71	156.8	10.91	161.4	11.09	167.7	11.43	172.5	11.57
		1008.0	122.2	7.01	132.3	8.15	144.2	9.60	156.8	10.81	161.4	10.92	167.7	11.33	172.5	11.43
	15	268.8	122.2	10.81	132.3	12.50	144.2	14.54	156.8	16.44	161.4	16.79	167.7	17.20	172.5	17.48
		336.0	122.2	10.57	132.3	12.30	144.2	14.30	156.8	16.17	161.4	16.51	167.7	16.93	172.5	17.20
		672.0	122.2	9.67	132.3	11.54	144.2	13.40	156.8	15.06	161.4	15.48	167.7	15.82	172.5	16.10
		840.0	122.2	9.47	132.3	11.26	144.2	13.13	156.8	14.79	161.4	15.13	167.7	15.55	172.5	15.68
		1008.0	122.2	9.36	132.3	11.12	144.2	12.99	156.8	14.65	161.4	14.96	167.7	15.41	172.5	15.48
	20	268.8	122.2	13.26	132.3	15.47	144.2	18.00	156.8	20.24	161.4	20.72	167.7	21.21	172.5	21.63
		336.0	122.2	12.99	132.3	15.20	144.2	17.69	156.8	19.90	161.4	20.38	167.7	20.86	172.5	21.28
		672.0	122.2	11.95	132.3	14.16	144.2	16.51	156.8	18.59	161.4	19.07	167.7	19.55	172.5	19.90
		840.0	122.2	11.61	132.3	13.89	144.2	16.17	156.8	18.24	161.4	18.72	167.7	19.21	172.5	19.35
		1008.0	122.2	11.43	132.3	13.75	144.2	15.99	156.8	18.07	161.4	18.55	167.7	19.03	172.5	19.07
	25	268.8	122.2	16.23	132.3	18.83	144.2	21.90	156.8	24.63	161.4	25.29	167.7	25.91	172.5	26.32
		336.0	122.2	15.89	132.3	18.52	144.2	21.56	156.8	24.25	161.4	24.87	167.7	25.49	172.5	25.91
		672.0	122.2	14.58	132.3	17.27	144.2	20.17	156.8	22.73	161.4	23.21	167.7	23.84	172.5	24.25
		840.0	122.2	14.16	132.3	16.93	144.2	19.76	156.8	22.25	161.4	22.80	167.7	23.42	172.5	23.63
		1008.0	122.2	13.96	132.3	16.75	144.2	19.55	156.8	22.00	161.4	22.59	167.7	23.21	172.5	23.32
	30	268.8	122.2	19.86	132.3	23.11	144.2	26.98	156.8	30.33	161.4	31.02	167.7	31.81	172.5	32.44
		336.0	122.2	19.48	132.3	22.73	144.2	26.53	156.8	29.85	161.4	30.54	167.7	31.30	172.5	31.92
		672.0	122.2	17.96	132.3	21.28	144.2	24.80	156.8	27.91	161.4	28.60	167.7	29.29	172.5	29.85
		840.0	122.2	17.48	132.3	20.80	144.2	24.25	156.8	27.36	161.4	28.05	167.7	28.74	172.5	29.09
		1008.0	122.2	17.24	132.3	20.55	144.2	23.97	156.8	27.08	161.4	27.77	167.7	28.46	172.5	28.71
	35	268.8	122.2	22.14	132.3	25.70	144.2	29.91	156.8	33.71	161.4	34.55	167.7	35.41	172.5	36.03
		336.0	122.2	21.69	132.3	25.29	144.2	29.43	156.8	33.16	161.4	33.99	167.7	34.82	172.5	35.44
		672.0	122.2	19.97	132.3	23.63	144.2	27.57	156.8	31.02	161.4	31.78	167.7	32.54	172.5	33.16
		840.0	122.2	19.41	132.3	23.14	144.2	27.01	156.8	30.40	161.4	31.16	167.7	31.99	172.5	32.26
		1008.0	122.2	19.14	132.3	22.90	144.2	26.74	156.8	30.09	161.4	30.85	167.7	31.71	172.5	31.82
	40	268.8	122.2	26.22	132.3	30.50	144.2	35.48	156.8	39.97	161.4	40.87	167.7	41.94	172.5	42.63
		336.0	122.2	25.70	132.3	29.98	144.2	34.89	156.8	39.31	161.4	40.21	167.7	41.25	172.5	41.94
		672.0	122.2	23.63	132.3	27.98	144.2	32.61	156.8	36.76	161.4	37.58	167.7	38.55	172.5	39.24
		840.0	122.2	22.94	132.3	27.43	144.2	31.92	156.8	36.00	161.4	36.89	167.7	37.86	172.5	38.21
		1008.0	122.2	22.59	132.3	27.15	144.2	31.57	156.8	35.62	161.4	36.55	167.7	37.52	172.5	37.69

7. Capacity tables

Cooling Capacity (70 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	45	268.8	122.2	30.33	132.3	35.27	144.2	41.04	156.8	46.22	161.4	47.19	167.7	48.46	172.5	49.22
		336.0	122.2	29.71	132.3	34.68	144.2	40.35	156.8	45.46	161.4	46.43	167.7	47.67	172.5	48.43
		672.0	122.2	27.29	132.3	32.33	144.2	37.65	156.8	42.49	161.4	43.39	167.7	44.56	172.5	45.32
		840.0	122.2	26.46	132.3	31.71	144.2	36.82	156.8	41.59	161.4	42.63	167.7	43.73	172.5	44.15
		1008.0	122.2	26.05	132.3	31.40	144.2	36.41	156.8	41.14	161.4	42.25	167.7	43.32	172.5	43.56
70	10	268.8	107.1	6.56	115.9	7.64	126.3	8.84	137.2	9.95	141.4	10.33	146.7	10.61	150.8	10.64
		336.0	107.1	6.46	115.9	7.50	126.3	8.70	137.2	9.84	141.4	10.19	146.7	10.43	150.8	10.50
		672.0	107.1	5.98	115.9	6.98	126.3	8.18	137.2	9.32	141.4	9.50	146.7	9.78	150.8	9.91
		840.0	107.1	5.87	115.9	6.84	126.3	8.05	137.2	9.05	141.4	9.22	146.7	9.50	150.8	9.64
		1008.0	107.1	5.80	115.9	6.77	126.3	7.98	137.2	8.88	141.4	9.09	146.7	9.36	150.8	9.50
	15	268.8	107.1	8.95	115.9	10.40	126.3	12.09	137.2	13.61	141.4	13.99	146.7	14.33	150.8	14.54
		336.0	107.1	8.77	115.9	10.23	126.3	11.88	137.2	13.40	141.4	13.75	146.7	14.09	150.8	14.30
		672.0	107.1	8.08	115.9	9.53	126.3	11.12	137.2	12.57	141.4	12.85	146.7	13.20	150.8	13.40
		840.0	107.1	7.88	115.9	9.33	126.3	10.92	137.2	12.30	141.4	12.57	146.7	12.92	150.8	13.06
		1008.0	107.1	7.77	115.9	9.22	126.3	10.81	137.2	12.16	141.4	12.44	146.7	12.78	150.8	12.88
	20	268.8	107.1	11.09	115.9	12.85	126.3	14.96	137.2	16.86	141.4	17.20	146.7	17.62	150.8	18.00
		336.0	107.1	10.85	115.9	12.64	126.3	14.72	137.2	16.58	141.4	16.93	146.7	17.34	150.8	17.69
		672.0	107.1	9.95	115.9	11.81	126.3	13.75	137.2	15.48	141.4	15.82	146.7	16.24	150.8	16.51
		840.0	107.1	9.67	115.9	11.54	126.3	13.47	137.2	15.20	141.4	15.55	146.7	15.96	150.8	16.10
		1008.0	107.1	9.53	115.9	11.40	126.3	13.33	137.2	15.06	141.4	15.41	146.7	15.82	150.8	15.89
	25	268.8	107.1	13.47	115.9	15.68	126.3	18.17	137.2	20.52	141.4	21.00	146.7	21.48	150.8	21.90
		336.0	107.1	13.20	115.9	15.41	126.3	17.89	137.2	20.17	141.4	20.66	146.7	21.14	150.8	21.56
		672.0	107.1	12.16	115.9	14.37	126.3	16.79	137.2	18.86	141.4	19.35	146.7	19.83	150.8	20.17
		840.0	107.1	11.81	115.9	14.09	126.3	16.44	137.2	18.52	141.4	18.93	146.7	19.41	150.8	19.62
		1008.0	107.1	11.64	115.9	13.96	126.3	16.27	137.2	18.34	141.4	18.72	146.7	19.21	150.8	19.34
	30	268.8	107.1	16.58	115.9	19.24	126.3	22.42	137.2	25.22	141.4	25.84	146.7	26.46	150.8	26.98
		336.0	107.1	16.24	115.9	18.93	126.3	22.04	137.2	24.80	141.4	25.42	146.7	26.05	150.8	26.53
		672.0	107.1	14.92	115.9	17.69	126.3	20.59	137.2	23.21	141.4	23.77	146.7	24.39	150.8	24.80
		840.0	107.1	14.51	115.9	17.34	126.3	20.17	137.2	22.73	141.4	23.35	146.7	23.90	150.8	24.18
		1008.0	107.1	14.30	115.9	17.17	126.3	19.97	137.2	22.49	141.4	23.14	146.7	23.66	150.8	23.87
	35	268.8	107.1	18.41	115.9	21.35	126.3	24.94	137.2	28.02	141.4	28.74	146.7	29.43	150.8	29.91
		336.0	107.1	18.03	115.9	21.00	126.3	24.53	137.2	27.57	141.4	28.26	146.7	28.95	150.8	29.43
		672.0	107.1	16.58	115.9	19.69	126.3	22.87	137.2	25.77	141.4	26.39	146.7	27.08	150.8	27.57
		840.0	107.1	16.10	115.9	19.21	126.3	22.45	137.2	25.29	141.4	25.91	146.7	26.60	150.8	26.88
		1008.0	107.1	15.86	115.9	18.96	126.3	22.25	137.2	25.04	141.4	25.67	146.7	26.36	150.8	26.53
	40	268.8	107.1	21.80	115.9	25.28	126.3	29.50	137.2	33.23	141.4	33.99	146.7	34.82	150.8	35.44
		336.0	107.1	21.35	115.9	24.87	126.3	29.02	137.2	32.68	141.4	33.44	146.7	34.27	150.8	34.89
		672.0	107.1	19.62	115.9	23.28	126.3	27.15	137.2	30.54	141.4	31.30	146.7	32.06	150.8	32.68
		840.0	107.1	19.07	115.9	22.80	126.3	26.53	137.2	29.92	141.4	30.68	146.7	31.50	150.8	31.78
		1008.0	107.1	18.79	115.9	22.56	126.3	26.22	137.2	29.60	141.4	30.36	146.7	31.23	150.8	31.33
	45	268.8	107.1	25.18	115.9	29.22	126.3	34.03	137.2	38.41	141.4	39.24	146.7	40.24	150.8	41.00
		336.0	107.1	24.66	115.9	28.74	126.3	33.51	137.2	37.79	141.4	38.62	146.7	39.59	150.8	40.35
		672.0	107.1	22.66	115.9	26.88	126.3	31.44	137.2	35.30	141.4	36.20	146.7	37.03	150.8	37.79
		840.0	107.1	22.04	115.9	26.39	126.3	30.61	137.2	34.54	141.4	35.44	146.7	36.41	150.8	36.69
		1008.0	107.1	21.73	115.9	26.15	126.3	30.19	137.2	34.16	141.4	35.06	146.7	36.10	150.8	36.13
60	10	268.8	91.7	5.22	99.4	6.08	108.1	6.98	117.6	8.05	121.1	8.26	126.0	8.36	129.5	8.50
		336.0	91.7	5.11	99.4	5.98	108.1	6.91	117.6	7.91	121.1	8.12	126.0	8.25	129.5	8.36
		672.0	91.7	4.73	99.4	5.59	108.1	6.60	117.6	7.39	121.1	7.50	126.0	7.77	129.5	7.91
		840.0	91.7	4.52	99.4	5.53	108.1	6.46	117.6	7.25	121.1	7.39	126.0	7.57	129.5	7.70
		1008.0	91.7	4.39	99.4	5.49	108.1	6.39	117.6	7.18	121.1	7.32	126.0	7.46	129.5	7.60
	15	268.8	91.7	7.12	99.4	8.29	108.1	9.60	117.6	10.88	121.1	11.19	126.0	11.37	129.5	11.57
		336.0	91.7	6.98	99.4	8.15	108.1	9.47	117.6	10.71	121.1	10.99	126.0	11.19	129.5	11.40
		672.0	91.7	6.43	99.4	7.60	108.1	8.91	117.6	10.02	121.1	10.23	126.0	10.50	129.5	10.71
		840.0	91.7	6.22	99.4	7.46	108.1	8.71	117.6	9.81	121.1	10.02	126.0	10.29	129.5	10.43
		1008.0	91.7	6.11	99.4	7.39	108.1	8.60	117.6	9.71	121.1	9.91	126.0	10.19	129.5	10.29
	20	268.8	91.7	8.81	99.4	10.26	108.1	11.95	117.6	13.40	121.1	13.78	126.0	14.06	129.5	14.33
		336.0	91.7	8.64	99.4	10.09	108.1	11.75	117.6	13.20	121.1	13.54	126.0	13.82	129.5	14.09
		672.0	91.7	7.95	99.4	9.40	108.1	10.99	117.6	12.37	121.1	12.64	126.0	12.92	129.5	13.20
		840.0	91.7	7.74	99.4	9.19	108.1	10.71	117.6	12.09	121.1	12.37	126.0	12.71	129.5	12.85
		1008.0	91.7	7.63	99.4	9.09	108.1	10.57	117.6	11.95	121.1	12.23	126.0	12.61	129.5	12.68
	25	268.8	91.7	10.71	99.4	12.51	108.1	14.54	117.6	16.37	121.1	16.72	126.0	17.13	129.5	17.48
		336.0	91.7	10.50	99.4	12.30	108.1	14.30	117.6	16.10	121.1	16.44	126.0	16.86	129.5	17.20
		672.0	91.7	9.67	99.4	11.47	108.1	13.33	117.6	15.06	121.1	15.41	126.0	15.82	129.5	16.10
		840.0	91.7	9.40	99.4	11.19	108.1	13.06	117.6	14.72	121.1	15.13	126.0	15.48	129.5	15.68
		1008.0	91.7	9.26	99.4	11.05	108.1	12.92	117.6	14.54	121.1	14.99	126.0	15.30	129.5	15.48
	30	268.8	91.7	13.19	99.4	15.30	108.1	17.83	117.6	20.07	121.1	20.59	126.0	21.07	129.5	21.49
		336.0	91.7	12.92	99.4	15.06	108.1	17.55	117.6	19.76	121.1	20.24	126.0	20.73	129.5	21.14
		672.0	91.7	11.88	99.4	14.09	108.1	16.44	117.6	18.52	121.1	18.93	126.0	19.41	129.5	19.76
		840.0	91.7	11.54	99.4	13.82	108.1	16.10	117.6	18.17	121.1	18.59	126.0	19.07	129.5	19.28
		1008.0	91.7	11.37	99.4	13.68	108.1	15.92	117.6	18.00	121.1	18.41	126.0	18.90	129.5	19.03
	35	268.8	91.7	14.68	99.4	17.07	108.1	19.90	117.6	22.32	121.1	22.90	126.0	23.46	129.5	23.87
		336.0	91.7	14.37	99.4	16.79	108.1	19.55	117.6	21.97	121.1	22.52	126.0	23.08	129.5	23.49
		672.0	91.7	13.20	99.4	15.68	108.1	18.24	117.6	20.59	121.1	21.07	126.0	21.56	129.5	21.97
		840.0	91.7	12.85	99.4	15.34	108.1	17.89	117.6	20.17	121.1	20.66	126.0	21.21	129.5	21.42
		1008.0	91.7	12.68	99.4	15.16	108.1	17.72	117.6	19.97	121.1	20.45	126.0	21.04	129.5	21.14
	40	268.8	91.7	17.34	99.4	20.14	108.1	23.53	117.6	26.49	121.1	27.12	126.0	27.74	129.5	28.29
		336.0	91.7	17.00	99.4	19.83	108.1	23.14	117.6	26.05	121.1	26.67	126.0	27.29	129.5	27.84
		672.0	91.7	15.68	99.4	18.59	108.1	21.62	117.6	24.32	121.1	24.94	126.0	25.56	129.5	26.05
		840.0	91.7	15.20	99.4	18.17	108.1	21.21	117.6	23.84	121.1	24.46	126.0	25.08	129.5	25.36
		1008.0	91.7	14.96	99.4	17.96	108.1	21.00	117.6	23.59	121.1	24.22	126.0	24.84	129.5	25.01

7. Capacity tables

Cooling Capacity (70 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	45	268.8	91.7	20.00	99.4	23.21	108.1	27.18	117.6	30.64	121.1	31.33	126.0	31.99	129.5	32.71
		336.0	91.7	19.62	99.4	22.87	108.1	26.74	117.6	30.12	121.1	30.81	126.0	31.50	129.5	32.20
		672.0	91.7	18.17	99.4	21.49	108.1	25.01	117.6	28.05	121.1	28.81	126.0	29.57	129.5	30.12
		840.0	91.7	17.55	99.4	21.00	108.1	24.53	117.6	27.50	121.1	28.26	126.0	28.95	129.5	29.29
		1008.0	91.7	17.24	99.4	20.76	108.1	24.28	117.6	27.22	121.1	27.98	126.0	28.64	129.5	28.88
50	10	268.8	76.3	3.87	82.6	4.52	90.3	5.42	98.0	5.94	100.8	6.04	105.0	6.29	107.8	6.35
		336.0	76.3	3.80	82.6	4.46	90.3	5.32	98.0	5.84	100.8	5.98	105.0	6.18	107.8	6.25
		672.0	76.3	3.45	82.6	4.18	90.3	4.94	98.0	5.53	100.8	5.73	105.0	5.70	107.8	5.84
		840.0	76.3	3.39	82.6	4.21	90.3	4.80	98.0	5.39	100.8	5.46	105.0	5.66	107.8	5.63
		1008.0	76.3	3.35	82.6	4.21	90.3	4.70	98.0	5.32	100.8	5.29	105.0	5.63	107.8	5.53
	15	268.8	76.3	5.29	82.6	6.18	90.3	7.25	98.0	8.08	100.8	8.29	105.0	8.50	107.8	8.64
		336.0	76.3	5.18	82.6	6.08	90.3	7.12	98.0	7.95	100.8	8.15	105.0	8.36	107.8	8.50
		672.0	76.3	4.77	82.6	5.67	90.3	6.63	98.0	7.46	100.8	7.67	105.0	7.81	107.8	7.95
		840.0	76.3	4.63	82.6	5.60	90.3	6.49	98.0	7.32	100.8	7.46	105.0	7.67	107.8	7.74
		1008.0	76.3	4.56	82.6	5.56	90.3	6.43	98.0	7.25	100.8	7.36	105.0	7.60	107.8	7.63
	20	268.8	76.3	6.56	82.6	7.67	90.3	8.84	98.0	9.98	100.8	10.26	105.0	10.46	107.8	10.67
		336.0	76.3	6.43	82.6	7.53	90.3	8.71	98.0	9.81	100.8	10.09	105.0	10.29	107.8	10.50
		672.0	76.3	5.94	82.6	6.98	90.3	8.15	98.0	9.19	100.8	9.40	105.0	9.67	107.8	9.81
		840.0	76.3	5.73	82.6	6.84	90.3	8.01	98.0	9.05	100.8	9.26	105.0	9.47	107.8	9.60
		1008.0	76.3	5.63	82.6	6.77	90.3	7.95	98.0	8.98	100.8	9.19	105.0	9.36	107.8	9.50
	25	268.8	76.3	7.98	82.6	9.26	90.3	10.81	98.0	12.23	100.8	12.51	105.0	12.78	107.8	12.99
		336.0	76.3	7.81	82.6	9.12	90.3	10.64	98.0	12.02	100.8	12.30	105.0	12.57	107.8	12.78
		672.0	76.3	7.19	82.6	8.57	90.3	9.95	98.0	11.19	100.8	11.47	105.0	11.75	107.8	12.02
		840.0	76.3	6.98	82.6	8.36	90.3	9.74	98.0	10.99	100.8	11.26	105.0	11.54	107.8	11.68
		1008.0	76.3	6.87	82.6	8.26	90.3	9.64	98.0	10.88	100.8	11.16	105.0	11.43	107.8	11.50
	30	268.8	76.3	9.88	82.6	11.47	90.3	13.37	98.0	15.03	100.8	15.40	105.0	15.72	107.8	16.03
		336.0	76.3	9.67	82.6	11.26	90.3	13.13	98.0	14.79	100.8	15.13	105.0	15.48	107.8	15.75
		672.0	76.3	8.84	82.6	10.50	90.3	12.23	98.0	13.82	100.8	14.09	105.0	14.51	107.8	14.72
		840.0	76.3	8.64	82.6	10.29	90.3	12.02	98.0	13.54	100.8	13.89	105.0	14.23	107.8	14.37
		1008.0	76.3	8.53	82.6	10.19	90.3	11.92	98.0	13.40	100.8	13.78	105.0	14.09	107.8	14.20
	35	268.8	76.3	10.92	82.6	12.71	90.3	14.82	98.0	16.65	100.8	17.07	105.0	17.48	107.8	17.76
		336.0	76.3	10.71	82.6	12.51	90.3	14.58	98.0	16.37	100.8	16.79	105.0	17.20	107.8	17.48
		672.0	76.3	9.88	82.6	11.68	90.3	13.61	98.0	15.34	100.8	15.68	105.0	16.10	107.8	16.37
		840.0	76.3	9.60	82.6	11.47	90.3	13.33	98.0	15.06	100.8	15.41	105.0	15.82	107.8	15.96
		1008.0	76.3	9.47	82.6	11.37	90.3	13.20	98.0	14.92	100.8	15.27	105.0	15.68	107.8	15.75
	40	268.8	76.3	12.99	82.6	15.03	90.3	17.58	98.0	19.73	100.8	20.24	105.0	20.72	107.8	21.07
		336.0	76.3	12.71	82.6	14.79	90.3	17.27	98.0	19.41	100.8	19.90	105.0	20.38	107.8	20.73
		672.0	76.3	11.68	82.6	13.82	90.3	16.10	98.0	18.17	100.8	18.59	105.0	19.07	107.8	19.41
		840.0	76.3	11.33	82.6	13.54	90.3	15.82	98.0	17.83	100.8	18.24	105.0	18.72	107.8	18.86
		1008.0	76.3	11.16	82.6	13.40	90.3	15.68	98.0	17.65	100.8	18.07	105.0	18.55	107.8	18.58
	45	268.8	76.3	15.03	82.6	17.34	90.3	20.31	98.0	22.83	100.8	23.39	105.0	23.94	107.8	24.35
		336.0	76.3	14.72	82.6	17.07	90.3	19.97	98.0	22.45	100.8	23.01	105.0	23.56	107.8	23.97
		672.0	76.3	13.47	82.6	15.96	90.3	18.59	98.0	21.00	100.8	21.49	105.0	22.04	107.8	22.45
		840.0	76.3	13.06	82.6	15.61	90.3	18.31	98.0	20.59	100.8	21.07	105.0	21.62	107.8	21.76
		1008.0	76.3	12.85	82.6	15.44	90.3	18.17	98.0	20.38	100.8	20.86	105.0	21.42	107.8	21.42

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB740LAS4

Cooling Capacity (74 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (74 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (74 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (74 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (74 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB800LAS4

Cooling Capacity (80 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			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
	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

7. Capacity tables

Cooling Capacity (80 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Cooling Capacity (80 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
100	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
	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

7. Capacity tables

Cooling Capacity (80 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Cooling Capacity (80 HP)

Combination (%)	Inlet Water Temp. (℃)	Water Flow Rate [ℓ/min]	Indoor Air Temp. (DB/WB, ℃)													
			20		23		26		27		28		30		32	
			14		16		18		19		20		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

7.2 Heating Capacity

7.2.1 Single Unit

◆ ARWB080LSA4

Heating Capacity (8 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (8 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (8 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (8 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (8 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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

7. Capacity tables

Heating Capacity (8 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (8 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB100LSA4

Heating Capacity (10 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (10 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (10 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (10 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (10 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (10 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (10 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB140LSA4

Heating Capacity (14 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (14 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (14 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (14 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (14 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (14 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (14 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB200LSA4

Heating Capacity (20 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (20 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (20 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (20 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (20 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (20 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (20 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

7.2.2 2 Units Combination

◆ ARWB160LSA4

Heating Capacity (16 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	61.6	23.8	8.80	23.6	8.28	23.6	7.72	23.2	7.48	23.4	7.28	22.8	6.54
		77.0	24.6	8.96	24.4	8.44	24.4	7.88	24.0	7.64	24.2	7.44	23.6	6.68
		154.0	27.8	9.56	27.6	9.08	27.6	8.54	27.2	8.30	27.4	8.06	26.8	7.24
		192.6	30.8	10.16	30.6	9.70	30.4	9.22	30.0	8.96	30.4	8.70	29.6	7.80
		231.0	32.4	10.48	32.0	10.02	31.8	9.54	31.4	9.30	31.8	9.02	31.0	8.10
	0	61.6	42.6	12.04	41.6	11.68	40.8	11.30	39.8	10.98	40.0	10.68	38.2	9.56
		77.0	42.8	12.06	41.8	11.70	41.0	11.32	40.0	11.00	40.2	10.70	38.4	9.58
		154.0	43.8	12.20	42.8	11.82	42.0	11.46	41.0	11.14	41.2	10.82	39.4	9.70
		192.6	44.6	12.20	43.4	11.82	42.6	11.46	41.6	11.14	41.8	10.82	39.8	9.70
		231.0	44.8	12.20	43.8	11.82	43.0	11.46	42.0	11.14	42.0	10.82	40.2	9.70
	5	61.6	61.4	12.94	60.4	12.62	59.2	12.30	57.6	11.94	56.2	11.62	53.0	10.40
		77.0	61.6	13.00	60.6	12.68	59.2	12.36	57.6	12.00	56.2	11.68	53.0	10.46
		154.0	62.4	13.22	61.0	12.90	59.2	12.60	57.6	12.26	56.2	11.90	53.0	10.68
		192.6	62.8	13.30	61.2	13.00	59.2	12.68	57.6	12.34	56.2	12.00	53.0	10.74
		231.0	63.0	13.36	61.2	13.04	59.2	12.74	57.6	12.38	56.2	12.04	53.0	10.78
	10	61.6	61.4	11.76	60.4	11.38	59.0	11.16	57.4	10.90	56.0	10.54	52.8	9.50
		77.0	61.8	11.74	60.8	11.38	59.2	11.18	57.6	10.90	56.2	10.52	53.0	9.50
		154.0	63.2	11.66	61.8	11.42	60.2	11.26	58.6	10.90	57.0	10.50	53.8	9.48
		192.6	63.6	11.82	62.2	11.58	60.6	11.32	58.8	10.94	57.4	10.68	54.2	9.92
		231.0	63.8	11.90	62.4	11.66	60.8	11.34	59.0	10.96	57.6	10.76	54.4	10.14
	15	61.6	61.6	10.60	60.4	10.16	58.8	10.04	57.2	9.88	55.6	9.46	52.6	8.62
		77.0	62.0	10.50	61.0	10.10	59.2	10.02	57.6	9.80	56.2	9.38	53.0	8.54
		154.0	64.0	10.08	62.8	9.94	61.0	9.94	59.6	9.52	57.8	9.10	54.8	8.26
		192.6	64.4	10.32	63.4	10.16	61.8	9.94	60.2	9.52	58.6	9.36	55.4	9.10
		231.0	64.6	10.46	63.6	10.28	62.2	9.94	60.4	9.52	59.0	9.48	55.8	9.52
	20	61.6	63.8	9.72	62.6	9.28	61.0	9.08	59.4	8.78	57.6	8.58	54.2	8.32
		77.0	64.4	9.66	63.2	9.26	61.6	9.06	59.8	8.82	58.2	8.64	54.8	8.26
		154.0	66.4	9.38	65.2	9.24	63.4	9.04	61.6	8.96	60.2	8.88	56.8	7.98
		192.6	66.6	9.38	65.6	9.24	64.2	9.10	62.4	8.96	60.6	8.88	57.2	8.48
		231.0	66.8	9.38	66.0	9.24	64.6	9.12	62.6	8.96	60.8	8.88	57.4	8.74
	25	61.6	67.4	9.28	65.6	9.00	64.2	8.86	63.0	8.70	61.6	8.58	58.0	8.02
		77.0	67.4	9.24	65.6	9.00	64.2	8.82	63.0	8.68	61.6	8.54	58.0	7.98
		154.0	67.4	9.10	65.6	8.94	64.2	8.68	63.0	8.54	61.6	8.40	58.0	7.84
		192.6	67.4	8.96	65.6	8.70	64.2	8.54	63.0	8.40	61.6	8.26	58.0	7.70
		231.0	67.4	8.90	65.6	8.58	64.2	8.48	63.0	8.32	61.6	8.18	58.0	7.64
	30	61.6	67.4	9.04	65.6	8.58	64.2	8.50	63.0	8.28	61.6	8.20	58.0	7.62
		77.0	67.4	8.96	65.6	8.58	64.2	8.46	63.0	8.26	61.6	8.12	58.0	7.56
		154.0	67.4	8.68	65.6	8.52	64.2	8.26	63.0	8.12	61.6	7.84	58.0	7.28
		192.6	67.4	8.54	65.6	8.28	64.2	8.12	63.0	7.98	61.6	7.84	58.0	7.28
		231.0	67.4	8.48	65.6	8.16	64.2	8.06	63.0	7.90	61.6	7.84	58.0	7.28
	35	61.6	67.4	8.62	65.6	8.34	64.2	8.16	63.0	7.86	61.6	7.60	58.0	7.06
		77.0	67.4	8.54	65.6	8.28	64.2	8.12	63.0	7.84	61.6	7.56	58.0	7.00
		154.0	67.4	8.26	65.6	8.10	64.2	7.98	63.0	7.70	61.6	7.42	58.0	6.72
		192.6	67.4	8.26	65.6	8.00	64.2	7.84	63.0	7.56	61.6	7.28	58.0	6.72
		231.0	67.4	8.26	65.6	7.96	64.2	7.76	63.0	7.48	61.6	7.22	58.0	6.72
	40	61.6	67.4	8.32	65.6	8.06	64.2	7.90	63.0	7.62	61.6	7.36	58.0	6.64
		77.0	67.4	8.26	65.6	8.00	64.2	7.84	63.0	7.56	61.6	7.28	58.0	6.58
		154.0	67.4	7.98	65.6	7.80	64.2	7.56	63.0	7.28	61.6	7.00	58.0	6.30
		192.6	67.4	7.84	65.6	7.68	64.2	7.56	63.0	7.28	61.6	7.00	58.0	6.30
		231.0	67.4	7.76	65.6	7.62	64.2	7.56	63.0	7.28	61.6	7.00	58.0	6.30
	45	61.6	67.4	8.04	65.6	7.78	64.2	7.66	63.0	7.40	61.6	7.10	58.0	6.22
		77.0	67.4	7.98	65.6	7.74	64.2	7.56	63.0	7.28	61.6	7.00	58.0	6.16
		154.0	67.4	7.70	65.6	7.54	64.2	7.14	63.0	6.86	61.6	6.58	58.0	5.88
		192.6	67.4	7.42	65.6	7.34	64.2	7.28	63.0	7.00	61.6	6.72	58.0	5.88
		231.0	67.4	7.26	65.6	7.24	64.2	7.36	63.0	7.06	61.6	6.80	58.0	5.88
120	-5	61.6	22.6	8.80	22.4	8.28	22.4	7.72	22.0	7.38	22.2	7.18	21.6	6.42
		77.0	23.4	8.96	23.2	8.44	23.2	7.88	22.8	7.54	23.0	7.32	22.4	6.56
		154.0	26.6	9.56	26.4	9.08	26.2	8.54	25.8	8.18	26.0	7.96	25.4	7.12
		192.6	29.4	10.16	29.0	9.70	28.8	9.22	28.6	8.84	28.8	8.58	28.0	7.68
		231.0	30.6	10.48	30.4	10.02	30.2	9.54	30.0	9.16	30.2	8.88	29.4	7.96
	0	61.6	40.6	12.04	39.6	11.68	38.6	11.30	37.8	10.82	37.8	10.52	36.2	9.40
		77.0	40.8	12.06	39.8	11.70	39.0	11.32	38.2	10.84	38.2	10.54	36.4	9.42
		154.0	41.6	12.20	40.6	11.82	39.8	11.46	39.0	10.98	39.0	10.66	37.2	9.54
		192.6	42.4	12.20	41.4	11.82	40.4	11.46	39.6	10.98	39.6	10.66	37.8	9.54
		231.0	42.6	12.20	41.6	11.82	40.8	11.46	40.0	10.98	39.8	10.66	38.2	9.54
	5	61.6	58.4	12.94	57.6	12.62	56.2	12.30	55.0	11.78	53.2	11.44	50.2	10.24
		77.0	58.6	13.00	57.6	12.68	56.2	12.36	55.0	11.84	53.2	11.50	50.2	10.30
		154.0	59.4	13.22	58.0	12.90	56.2	12.60	55.0	12.08	53.2	11.74	50.2	10.50
		192.6	59.8	13.30	57.8	13.00	56.2	12.68	55.0	12.16	53.2	11.82	50.2	10.58
		231.0	60.0	13.36	57.6	13.04	56.2	12.74	55.0	12.20	53.2	11.86	50.2	10.60

7. Capacity tables

Heating Capacity (16 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	10	61.6	58.6	11.62	57.6	11.30	56.2	11.06	54.8	10.74	53.0	10.38	50.2	9.34
		77.0	58.8	11.66	57.8	11.34	56.2	11.10	55.0	10.74	53.2	10.36	50.2	9.34
		154.0	60.0	11.82	58.6	11.52	56.8	11.26	55.6	10.80	53.8	10.34	50.8	9.38
		192.6	60.2	11.78	58.6	11.52	57.2	11.32	55.8	10.84	54.0	10.38	51.0	9.70
		231.0	60.4	11.76	58.4	11.52	57.2	11.34	55.8	10.86	54.0	10.40	51.2	9.86
	15	61.6	58.8	10.30	57.6	10.00	56.0	9.84	54.6	9.70	52.8	9.30	50.0	8.44
		77.0	59.2	10.32	58.0	10.02	56.2	9.86	55.0	9.66	53.2	9.24	50.2	8.40
		154.0	60.4	10.42	59.4	10.10	57.6	9.94	56.2	9.52	54.2	8.96	51.4	8.26
		192.6	60.8	10.26	59.4	10.02	58.0	9.94	56.6	9.52	54.8	8.96	51.8	8.82
		231.0	61.0	10.18	59.2	9.98	58.2	9.94	56.8	9.52	55.0	8.96	52.0	9.10
	20	61.6	60.4	9.26	59.2	8.88	57.4	8.64	56.0	8.52	54.0	8.40	51.2	7.98
		77.0	60.8	9.26	59.6	8.90	57.8	8.68	56.2	8.54	54.4	8.40	51.4	7.96
		154.0	62.4	9.26	61.0	9.04	59.0	8.82	57.6	8.68	55.8	8.38	52.6	7.84
		192.6	62.6	9.18	61.0	8.96	59.6	8.82	58.0	8.68	56.2	8.40	53.0	8.12
		231.0	62.8	9.14	61.0	8.92	59.8	8.82	58.2	8.68	56.2	8.42	53.2	8.28
	25	61.6	63.4	8.76	61.6	8.36	59.6	8.20	58.2	8.02	56.8	7.86	53.6	7.32
		77.0	63.4	8.74	61.6	8.34	59.6	8.18	58.2	7.98	56.8	7.84	53.6	7.28
		154.0	63.6	8.60	61.6	8.28	59.6	8.12	58.2	7.84	56.8	7.70	53.6	7.14
		192.6	63.8	8.28	61.6	8.06	59.6	7.98	58.2	7.84	56.8	7.56	53.6	7.14
		231.0	63.8	8.12	61.6	7.96	59.6	7.90	58.2	7.84	56.8	7.48	53.6	7.14
	30	61.6	63.8	8.38	61.6	7.96	59.6	7.74	58.2	7.44	56.8	7.36	53.6	6.76
		77.0	63.8	8.32	61.6	7.92	59.6	7.70	58.2	7.42	56.8	7.28	53.6	6.72
		154.0	63.8	8.04	61.6	7.74	59.6	7.56	58.2	7.28	56.8	7.00	53.6	6.58
		192.6	63.8	7.78	61.6	7.56	59.6	7.42	58.2	7.28	56.8	7.00	53.6	6.44
		231.0	63.8	7.64	61.6	7.48	59.6	7.34	58.2	7.28	56.8	7.00	53.6	6.38
	35	61.6	63.8	8.00	61.6	7.58	59.6	7.36	58.2	7.06	56.8	6.78	53.6	6.18
		77.0	63.8	7.90	61.6	7.50	59.6	7.28	58.2	7.00	56.8	6.72	53.6	6.16
		154.0	63.8	7.44	61.6	7.22	59.6	7.00	58.2	6.72	56.8	6.44	53.6	6.02
		192.6	63.8	7.36	61.6	7.16	59.6	7.00	58.2	6.72	56.8	6.44	53.6	5.88
		231.0	63.8	7.32	61.6	7.14	59.6	7.00	58.2	6.72	56.8	6.44	53.6	5.80
	40	61.6	63.8	7.76	61.6	7.22	59.6	6.94	58.2	6.64	56.8	6.36	53.6	5.76
		77.0	63.8	7.62	61.6	7.14	59.6	6.86	58.2	6.58	56.8	6.30	53.6	5.74
		154.0	63.8	7.02	61.6	6.80	59.6	6.58	58.2	6.30	56.8	6.02	53.6	5.60
		192.6	63.8	6.94	61.6	6.72	59.6	6.58	58.2	6.30	56.8	6.02	53.6	5.46
		231.0	63.8	6.90	61.6	6.68	59.6	6.58	58.2	6.30	56.8	6.02	53.6	5.38
	45	61.6	63.8	7.52	61.6	6.88	59.6	6.52	58.2	6.22	56.8	5.94	53.6	5.34
		77.0	63.8	7.34	61.6	6.78	59.6	6.44	58.2	6.16	56.8	5.88	53.6	5.32
		154.0	63.8	6.60	61.6	6.38	59.6	6.16	58.2	5.88	56.8	5.60	53.6	5.18
		192.6	63.8	6.52	61.6	6.28	59.6	6.16	58.2	5.88	56.8	5.60	53.6	5.04
		231.0	63.8	6.48	61.6	6.22	59.6	6.16	58.2	5.88	56.8	5.60	53.6	4.96
110	-5	61.6	21.4	8.92	21.4	8.28	21.2	7.72	21.0	7.38	21.0	7.18	20.6	6.42
		77.0	22.2	9.06	22.0	8.44	21.8	7.88	21.6	7.54	21.8	7.32	21.2	6.56
		154.0	25.0	9.68	25.0	9.08	24.8	8.54	24.6	8.18	24.6	7.96	24.0	7.12
		192.6	27.8	10.30	27.6	9.70	27.4	9.22	27.0	8.84	27.0	8.58	26.6	7.68
		231.0	29.0	10.62	28.8	10.02	28.6	9.54	28.4	9.16	28.4	8.88	27.8	7.96
	0	61.6	38.4	12.20	37.4	11.68	36.6	11.30	36.0	10.82	35.6	10.52	34.4	9.40
		77.0	38.6	12.22	37.6	11.70	36.8	11.32	36.2	10.84	35.8	10.54	34.6	9.42
		154.0	39.4	12.34	38.6	11.82	37.8	11.46	37.0	10.98	36.8	10.66	35.4	9.54
		192.6	40.0	12.34	39.2	11.82	38.4	11.46	37.6	10.98	37.2	10.66	35.8	9.54
		231.0	40.4	12.34	39.6	11.82	38.6	11.46	37.8	10.98	37.6	10.66	36.0	9.54
	5	61.6	55.8	13.10	54.6	12.62	53.2	12.30	52.0	11.78	50.0	11.44	47.6	10.24
		77.0	56.0	13.16	54.6	12.68	53.4	12.36	52.0	11.84	50.0	11.50	47.6	10.30
		154.0	56.8	13.40	55.0	12.90	53.4	12.60	52.0	12.08	50.0	11.74	47.6	10.50
		192.6	57.2	13.48	55.2	13.00	53.4	12.68	52.0	12.16	50.0	11.82	47.6	10.58
		231.0	57.4	13.52	55.2	13.04	53.4	12.74	52.0	12.20	50.0	11.86	47.6	10.60
	10	61.6	56.0	11.76	54.8	11.36	53.2	11.10	52.0	10.74	50.0	10.38	47.6	9.34
		77.0	56.4	11.78	54.8	11.38	53.4	11.14	52.0	10.74	50.0	10.36	47.6	9.34
		154.0	57.2	11.86	55.4	11.52	53.6	11.26	52.4	10.80	50.4	10.34	47.8	9.38
		192.6	57.4	11.86	55.6	11.52	53.8	11.24	52.6	10.78	50.4	10.38	48.0	9.48
		231.0	57.6	11.86	55.8	11.52	54.0	11.22	52.6	10.76	50.6	10.40	48.0	9.54
	15	61.6	56.2	10.40	54.8	10.10	53.2	9.94	52.0	9.70	50.0	9.30	47.6	8.44
		77.0	56.4	10.38	55.0	10.10	53.4	9.94	52.0	9.66	50.0	9.24	47.6	8.40
		154.0	57.4	10.32	55.8	10.10	54.0	9.94	52.6	9.52	50.8	8.96	48.2	8.26
		192.6	57.8	10.26	56.0	10.02	54.2	9.80	52.8	9.38	50.8	8.96	48.4	8.40
		231.0	58.0	10.22	56.2	9.98	54.4	9.74	53.0	9.32	51.0	8.96	48.6	8.48
	20	61.6	57.4	8.98	55.8	8.76	54.0	8.54	52.4	8.40	50.6	8.16	48.0	7.64
		77.0	57.6	9.00	56.0	8.76	54.2	8.54	52.6	8.40	50.8	8.12	48.2	7.62
		154.0	58.8	9.06	56.6	8.76	54.8	8.54	53.4	8.40	51.4	7.98	48.8	7.56
		192.6	59.2	9.06	57.2	8.76	55.0	8.54	53.6	8.26	51.6	7.98	49.0	7.56
		231.0	59.4	9.06	57.4	8.76	55.2	8.54	53.8	8.18	51.8	7.98	49.0	7.56
	25	61.6	59.0	8.16	57.4	7.86	55.0	7.74	53.8	7.44	52.0	7.18	49.2	6.58
		77.0	59.2	8.16	57.4	7.84	55.0	7.70	53.8	7.42	52.0	7.14	49.2	6.58
		154.0	59.6	8.10	57.4	7.70	55.0	7.56	53.8	7.28	52.0	7.00	49.2	6.58
		192.6	60.0	8.10	57.4	7.74	55.0	7.42	53.8	7.28	52.0	6.86	49.2	6.44
		231.0	60.2	8.10	57.4	7.74	55.0	7.34	53.8	7.28	52.0	6.80	49.2	6.38

7. Capacity tables

Heating Capacity (16 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	30	61.6	60.0	7.44	57.4	7.18	55.0	6.90	53.8	6.76	52.0	6.34	49.2	5.92
		77.0	60.0	7.42	57.4	7.14	55.0	6.86	53.8	6.72	52.0	6.30	49.2	5.88
		154.0	60.0	7.28	57.4	7.00	55.0	6.72	53.8	6.58	52.0	6.16	49.2	5.74
		192.6	60.0	7.22	57.4	6.86	55.0	6.58	53.8	6.44	52.0	6.16	49.2	5.74
		231.0	60.0	7.20	57.4	6.80	55.0	6.50	53.8	6.38	52.0	6.16	49.2	5.74
	35	61.6	60.0	7.06	57.4	6.60	55.0	6.34	53.8	6.06	52.0	5.76	49.2	5.34
		77.0	60.0	7.00	57.4	6.58	55.0	6.30	53.8	6.02	52.0	5.74	49.2	5.32
		154.0	60.0	6.72	57.4	6.44	55.0	6.16	53.8	5.88	52.0	5.60	49.2	5.18
		192.6	60.0	6.54	57.4	6.30	55.0	6.02	53.8	5.88	52.0	5.60	49.2	5.18
		231.0	60.0	6.46	57.4	6.22	55.0	5.96	53.8	5.88	52.0	5.60	49.2	5.18
	40	61.6	60.0	6.64	57.4	6.36	55.0	5.94	53.8	5.64	52.0	5.34	49.2	4.92
		77.0	60.0	6.58	57.4	6.30	55.0	5.88	53.8	5.60	52.0	5.32	49.2	4.90
		154.0	60.0	6.30	57.4	6.02	55.0	5.60	53.8	5.46	52.0	5.18	49.2	4.76
		192.6	60.0	6.22	57.4	5.88	55.0	5.60	53.8	5.32	52.0	5.04	49.2	4.62
		231.0	60.0	6.16	57.4	5.80	55.0	5.60	53.8	5.24	52.0	4.96	49.2	4.54
	45	61.6	60.0	6.22	57.4	6.14	55.0	5.56	53.8	5.22	52.0	4.92	49.2	4.50
		77.0	60.0	6.16	57.4	6.02	55.0	5.46	53.8	5.18	52.0	4.90	49.2	4.48
		154.0	60.0	5.88	57.4	5.60	55.0	5.04	53.8	5.04	52.0	4.76	49.2	4.34
		192.6	60.0	5.88	57.4	5.46	55.0	5.18	53.8	4.76	52.0	4.48	49.2	4.06
		231.0	60.0	5.88	57.4	5.38	55.0	5.26	53.8	4.62	52.0	4.32	49.2	3.90
100	-5	61.6	20.2	8.92	20.2	8.40	20.0	7.72	19.8	7.38	19.6	7.06	19.2	6.42
		77.0	21.0	9.06	20.8	8.56	20.8	7.88	20.6	7.54	20.4	7.22	20.0	6.56
		154.0	23.8	9.68	23.6	9.20	23.4	8.54	23.2	8.18	23.0	7.84	22.6	7.12
		192.6	26.2	10.30	26.0	9.84	25.8	9.22	25.6	8.84	25.4	8.44	25.0	7.68
		231.0	27.4	10.62	27.2	10.16	27.2	9.54	26.8	9.16	26.6	8.74	26.2	7.96
	0	61.6	36.2	12.20	35.4	11.84	34.6	11.30	34.0	10.82	33.4	10.36	32.4	9.40
		77.0	36.4	12.22	35.6	11.86	34.8	11.32	34.2	10.84	33.6	10.38	32.4	9.42
		154.0	37.2	12.34	36.4	11.98	35.6	11.46	35.0	10.98	34.4	10.50	33.2	9.54
		192.6	37.8	12.34	37.0	11.98	36.2	11.46	35.6	10.98	35.0	10.50	33.8	9.54
		231.0	38.2	12.34	37.4	11.98	36.6	11.46	35.8	10.98	35.2	10.50	34.0	9.54
	5	61.6	53.4	13.10	51.6	12.78	50.4	12.30	49.4	11.78	47.0	11.26	44.8	10.24
		77.0	53.6	13.16	51.8	12.84	50.4	12.36	49.4	11.84	47.0	11.32	44.8	10.30
		154.0	54.4	13.40	52.2	13.08	50.4	12.60	49.4	12.08	47.0	11.56	44.8	10.50
		192.6	54.8	13.48	52.2	13.16	50.4	12.68	49.4	12.16	47.0	11.62	44.8	10.58
		231.0	54.8	13.52	52.4	13.20	50.4	12.74	49.4	12.20	47.0	11.66	44.8	10.60
	10	61.6	53.8	11.72	51.8	11.46	50.4	11.10	49.4	10.74	47.0	10.20	44.8	9.34
		77.0	53.8	11.78	52.0	11.50	50.4	11.14	49.4	10.74	47.0	10.22	44.8	9.34
		154.0	54.4	12.00	52.2	11.64	50.4	11.26	49.4	10.80	47.0	10.26	44.8	9.38
		192.6	54.8	11.94	52.4	11.64	50.4	11.24	49.4	10.78	47.0	10.22	44.8	9.34
		231.0	55.0	11.92	52.6	11.64	50.4	11.22	49.4	10.76	47.0	10.22	44.8	9.32
	15	61.6	54.0	10.34	52.0	10.16	50.4	9.94	49.4	9.70	47.0	9.12	44.8	8.44
		77.0	54.2	10.38	52.0	10.16	50.4	9.94	49.4	9.66	47.0	9.10	44.8	8.40
		154.0	54.4	10.58	52.2	10.20	50.4	9.94	49.4	9.52	47.0	8.96	44.8	8.26
		192.6	54.8	10.42	52.6	10.10	50.4	9.80	49.4	9.38	47.0	8.82	44.8	8.12
		231.0	55.0	10.32	52.6	10.06	50.4	9.74	49.4	9.32	47.0	8.74	44.8	8.06
	20	61.6	54.4	8.84	52.4	8.60	50.4	8.40	49.4	8.28	47.0	7.74	44.8	7.36
		77.0	54.6	8.88	52.4	8.62	50.4	8.40	49.4	8.26	47.0	7.70	44.8	7.28
		154.0	55.4	9.04	52.6	8.64	50.4	8.40	49.4	8.12	47.0	7.56	44.8	7.00
		192.6	55.6	8.88	53.0	8.58	50.4	8.26	49.4	7.98	47.0	7.42	44.8	6.86
		231.0	55.8	8.80	53.2	8.54	50.4	8.18	49.4	7.90	47.0	7.34	44.8	6.80
	25	61.6	55.0	7.72	53.2	7.48	50.4	7.18	49.4	6.90	47.0	6.48	44.8	5.88
		77.0	55.2	7.74	53.2	7.44	50.4	7.14	49.4	6.86	47.0	6.44	44.8	5.88
		154.0	56.0	7.76	53.2	7.28	50.4	7.00	49.4	6.72	47.0	6.30	44.8	5.88
		192.6	56.2	7.58	53.2	7.22	50.4	6.86	49.4	6.58	47.0	6.30	44.8	5.74
		231.0	56.4	7.50	53.2	7.20	50.4	6.80	49.4	6.50	47.0	6.30	44.8	5.66
	30	61.6	56.2	7.02	53.2	6.48	50.4	6.04	49.4	5.92	47.0	5.46	44.8	5.22
		77.0	56.2	7.00	53.2	6.44	50.4	6.02	49.4	5.88	47.0	5.46	44.8	5.18
		154.0	56.2	6.86	53.2	6.30	50.4	5.96	49.4	5.74	47.0	5.46	44.8	5.04
		192.6	56.2	6.72	53.2	6.30	50.4	5.88	49.4	5.74	47.0	5.32	44.8	5.04
		231.0	56.2	6.64	53.2	6.30	50.4	5.84	49.4	5.74	47.0	5.24	44.8	5.04
	35	61.6	56.2	6.52	53.2	5.94	50.4	5.32	49.4	5.22	47.0	4.92	44.8	4.50
		77.0	56.2	6.44	53.2	5.88	50.4	5.32	49.4	5.18	47.0	4.90	44.8	4.48
		154.0	56.2	6.16	53.2	5.60	50.4	5.26	49.4	5.04	47.0	4.76	44.8	4.34
		192.6	56.2	6.16	53.2	5.60	50.4	5.18	49.4	5.04	47.0	4.76	44.8	4.34
		231.0	56.2	6.16	53.2	5.60	50.4	5.14	49.4	5.04	47.0	4.76	44.8	4.34
	40	61.6	56.2	6.10	53.2	5.52	50.4	4.78	49.4	4.66	47.0	4.38	44.8	4.08
		77.0	56.2	6.02	53.2	5.46	50.4	4.76	49.4	4.62	47.0	4.34	44.8	4.06
		154.0	56.2	5.74	53.2	5.18	50.4	4.70	49.4	4.48	47.0	4.20	44.8	3.92
		192.6	56.2	5.60	53.2	5.18	50.4	4.62	49.4	4.48	47.0	4.20	44.8	3.92
		231.0	56.2	5.54	53.2	5.18	50.4	4.58	49.4	4.48	47.0	4.20	44.8	3.92
	45	61.6	56.2	5.68	53.2	5.10	50.4	4.22	49.4	4.08	47.0	3.82	44.8	3.66
		77.0	56.2	5.60	53.2	5.04	50.4	4.20	49.4	4.06	47.0	3.78	44.8	3.64
		154.0	56.2	5.32	53.2	4.76	50.4	4.14	49.4	3.92	47.0	3.64	44.8	3.50
		192.6	56.2	5.04	53.2	4.76	50.4	4.06	49.4	3.92	47.0	3.64	44.8	3.50
		231.0	56.2	4.90	53.2	4.76	50.4	4.02	49.4	3.92	47.0	3.64	44.8	3.50

7. Capacity tables

Heating Capacity (16 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	-5	61.6	19.2	8.28	18.6	7.54	18.0	6.62	17.8	6.30	17.8	6.08	17.4	5.46
		77.0	19.8	8.42	19.2	7.68	18.6	6.76	18.4	6.44	18.4	6.22	18.0	5.58
		154.0	22.4	8.98	21.8	8.24	21.0	7.34	21.0	7.00	20.8	6.74	20.4	6.06
		192.6	24.8	9.54	24.0	8.82	23.2	7.92	23.0	7.54	23.0	7.28	22.6	6.54
		231.0	26.0	9.82	25.0	9.12	24.4	8.22	24.2	7.82	24.0	7.54	23.6	6.78
	0	61.6	34.2	11.26	32.6	10.58	31.2	9.70	30.6	9.26	30.2	8.92	29.0	8.00
		77.0	34.4	11.30	32.8	10.60	31.4	9.74	30.8	9.28	30.4	8.94	29.2	8.02
		154.0	35.2	11.42	33.6	10.72	32.0	9.84	31.6	9.38	31.0	9.04	30.0	8.12
		192.6	35.8	11.42	34.0	10.72	32.6	9.84	32.0	9.38	31.6	9.04	30.4	8.12
		231.0	36.0	11.42	34.4	10.72	32.8	9.84	32.2	9.38	31.8	9.04	30.6	8.12
	5	61.6	48.4	12.10	46.8	11.42	45.2	10.56	44.4	10.08	42.4	9.70	40.4	8.70
		77.0	48.4	12.16	46.8	11.48	45.2	10.62	44.4	10.12	42.4	9.74	40.4	8.74
		154.0	48.6	12.36	46.6	11.68	45.2	10.82	44.4	10.32	42.4	9.94	40.4	8.92
		192.6	48.8	12.44	46.8	11.76	45.2	10.90	44.4	10.40	42.4	10.02	40.4	9.00
		231.0	49.0	12.48	46.8	11.80	45.2	10.94	44.4	10.44	42.4	10.06	40.4	9.04
	10	61.6	48.6	10.68	47.0	10.16	45.2	9.56	44.4	9.18	42.4	8.80	40.4	7.92
		77.0	48.6	10.68	46.8	10.16	45.2	9.58	44.4	9.18	42.4	8.80	40.4	7.94
		154.0	48.4	10.72	46.6	10.22	45.2	9.62	44.4	9.22	42.4	8.76	40.4	7.96
		192.6	48.8	10.68	46.8	10.18	45.2	9.58	44.4	9.20	42.4	8.80	40.4	8.00
		231.0	49.0	10.68	46.8	10.16	45.2	9.58	44.4	9.18	42.4	8.80	40.4	8.00
	15	61.6	48.8	9.24	47.2	8.92	45.2	8.58	44.4	8.28	42.4	7.90	40.4	7.18
		77.0	48.8	9.22	47.0	8.88	45.2	8.54	44.4	8.26	42.4	7.84	40.4	7.14
		154.0	48.4	9.06	46.6	8.74	45.2	8.40	44.4	8.12	42.4	7.56	40.4	7.00
		192.6	48.8	8.94	46.8	8.60	45.2	8.26	44.4	7.98	42.4	7.56	40.4	7.00
		231.0	49.0	8.88	47.0	8.54	45.2	8.18	44.4	7.90	42.4	7.56	40.4	7.00
	20	61.6	49.2	7.80	47.4	7.58	45.2	7.32	44.4	7.02	42.4	6.78	40.4	6.36
		77.0	49.0	7.80	47.2	7.56	45.2	7.28	44.4	7.00	42.4	6.72	40.4	6.30
		154.0	48.8	7.80	46.8	7.48	45.2	7.14	44.4	6.86	42.4	6.44	40.4	6.02
		192.6	49.0	7.68	47.0	7.42	45.2	7.14	44.4	6.86	42.4	6.44	40.4	6.02
		231.0	49.2	7.62	47.0	7.38	45.2	7.14	44.4	6.86	42.4	6.44	40.4	6.02
	25	61.6	50.0	6.82	48.0	6.46	45.2	6.18	44.4	5.88	42.4	5.64	40.4	5.22
		77.0	50.0	6.80	48.0	6.44	45.2	6.16	44.4	5.88	42.4	5.60	40.4	5.18
		154.0	50.6	6.74	48.0	6.38	45.2	6.02	44.4	5.88	42.4	5.46	40.4	5.04
		192.6	50.8	6.58	48.0	6.24	45.2	6.02	44.4	5.74	42.4	5.46	40.4	5.04
		231.0	50.8	6.48	48.0	6.16	45.2	6.02	44.4	5.66	42.4	5.46	40.4	5.04
	30	61.6	50.8	6.18	48.0	5.76	45.2	5.34	44.4	5.22	42.4	4.92	40.4	4.48
		77.0	50.8	6.16	48.0	5.74	45.2	5.32	44.4	5.18	42.4	4.90	40.4	4.48
		154.0	50.8	6.02	48.0	5.60	45.2	5.18	44.4	5.04	42.4	4.76	40.4	4.48
		192.6	50.8	5.88	48.0	5.46	45.2	5.18	44.4	5.04	42.4	4.76	40.4	4.34
		231.0	50.8	5.80	48.0	5.38	45.2	5.18	44.4	5.04	42.4	4.76	40.4	4.28
	35	61.6	50.8	5.64	48.0	5.22	45.2	4.80	44.4	4.66	42.4	4.38	40.4	4.08
		77.0	50.8	5.60	48.0	5.18	45.2	4.76	44.4	4.62	42.4	4.34	40.4	4.06
		154.0	50.8	5.46	48.0	5.04	45.2	4.62	44.4	4.48	42.4	4.20	40.4	3.92
		192.6	50.8	5.32	48.0	4.90	45.2	4.48	44.4	4.34	42.4	4.20	40.4	3.92
		231.0	50.8	5.24	48.0	4.82	45.2	4.40	44.4	4.28	42.4	4.20	40.4	3.92
	40	61.6	50.8	5.26	48.0	4.80	45.2	4.24	44.4	4.08	42.4	3.96	40.4	3.66
		77.0	50.8	5.18	48.0	4.76	45.2	4.20	44.4	4.06	42.4	3.92	40.4	3.64
		154.0	50.8	4.90	48.0	4.62	45.2	4.06	44.4	3.92	42.4	3.78	40.4	3.50
		192.6	50.8	4.90	48.0	4.62	45.2	4.06	44.4	3.92	42.4	3.78	40.4	3.50
		231.0	50.8	4.90	48.0	4.62	45.2	4.06	44.4	3.92	42.4	3.78	40.4	3.50
	45	61.6	50.8	4.88	48.0	4.38	45.2	3.66	44.4	3.54	42.4	3.54	40.4	3.24
		77.0	50.8	4.76	48.0	4.34	45.2	3.64	44.4	3.50	42.4	3.50	40.4	3.22
		154.0	50.8	4.34	48.0	4.20	45.2	3.50	44.4	3.36	42.4	3.36	40.4	3.08
		192.6	50.8	4.48	48.0	4.34	45.2	3.64	44.4	3.50	42.4	3.36	40.4	3.08
		231.0	50.8	4.54	48.0	4.42	45.2	3.70	44.4	3.58	42.4	3.36	40.4	3.08
80	-5	61.6	18.0	5.90	17.0	5.66	16.0	5.42	15.8	5.24	15.8	5.00	15.4	4.60
		77.0	18.8	6.02	17.6	5.80	16.6	5.54	16.4	5.36	16.4	5.12	16.0	4.70
		154.0	21.2	6.54	19.8	6.28	18.8	6.02	18.6	5.80	18.4	5.54	18.0	5.10
		192.6	23.4	7.06	21.8	6.78	20.8	6.48	20.4	6.28	20.4	5.98	20.0	5.50
		231.0	24.6	7.30	23.0	7.02	21.8	6.72	21.4	6.50	21.4	6.20	21.0	5.70
	0	61.6	32.2	8.64	29.8	8.30	27.8	7.96	27.2	7.68	26.8	7.32	25.8	6.74
		77.0	32.4	8.68	30.0	8.32	27.8	7.98	27.4	7.70	27.0	7.34	26.0	6.76
		154.0	33.2	8.78	30.6	8.42	28.6	8.06	28.0	7.80	27.6	7.42	26.6	6.84
		192.6	33.8	8.78	31.2	8.42	29.0	8.06	28.4	7.80	28.0	7.42	27.0	6.84
		231.0	34.0	8.78	31.4	8.42	29.2	8.06	28.6	7.80	28.2	7.42	27.2	6.84
	5	61.6	44.6	9.40	42.2	9.06	40.4	8.64	39.4	8.36	37.8	7.96	35.8	7.34
		77.0	44.8	9.46	42.2	9.10	40.4	8.68	39.4	8.40	37.8	8.00	35.8	7.38
		154.0	45.2	9.66	42.6	9.26	40.4	8.88	39.4	8.58	37.8	8.16	35.8	7.54
		192.6	45.2	9.72	42.6	9.34	40.4	8.94	39.4	8.64	37.8	8.22	35.8	7.58
		231.0	45.2	9.74	42.4	9.38	40.4	8.96	39.4	8.66	37.8	8.26	35.8	7.60
	10	61.6	45.0	8.66	42.4	8.26	40.4	7.84	39.4	7.62	37.8	7.22	35.8	6.68
		77.0	45.0	8.64	42.4	8.26	40.4	7.84	39.4	7.64	37.8	7.22	35.8	6.70
		154.0	45.2	8.60	42.6	8.22	40.4	7.86	39.4	7.64	37.8	7.24	35.8	6.70
		192.6	45.2	8.58	42.6	8.24	40.4	7.90	39.4	7.60	37.8	7.20	35.8	6.66
		231.0	45.2	8.56	42.4	8.26	40.4	7.90	39.4	7.58	37.8	7.18	35.8	6.64
	15	61.6	45.2	7.90	42.6	7.48	40.4	7.02	39.4	6.90	37.8	6.48	35.8	6.06
		77.0	45.2	7.84	42.6	7.42	40.4	7.00	39.4	6.86	37.8	6.44	35.8	6.02
		154.0	45.2	7.56	42.6	7.14	40.4	6.86	39.4	6.72	37.8	6.30	35.8	5.88
		192.6	45.2	7.42	42.6	7.14	40.4	6.86	39.4	6.58	37.8	6.16	35.8	5.74
		231.0	45.2	7.34	42.6	7.14	40.4	6.86	39.4	6.50	37.8	6.08	35.8	5.66

7. Capacity tables

Heating Capacity (16 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	20	61.6	45.2	6.60	42.6	6.34	40.4	6.02	39.4	5.92	37.8	5.64	35.8	5.22
		77.0	45.2	6.58	42.6	6.30	40.4	6.02	39.4	5.88	37.8	5.60	35.8	5.18
		154.0	45.2	6.44	42.6	6.16	40.4	6.02	39.4	5.74	37.8	5.46	35.8	5.04
		192.6	45.2	6.30	42.6	6.02	40.4	5.88	39.4	5.74	37.8	5.32	35.8	5.04
		231.0	45.2	6.22	42.6	5.96	40.4	5.80	39.4	5.74	37.8	5.24	35.8	5.04
	25	61.6	45.2	5.92	42.6	5.50	40.4	5.18	39.4	5.08	37.8	4.80	35.8	4.50
		77.0	45.2	5.88	42.6	5.46	40.4	5.18	39.4	5.04	37.8	4.76	35.8	4.48
		154.0	45.2	5.74	42.6	5.32	40.4	5.18	39.4	4.90	37.8	4.62	35.8	4.34
		192.6	45.2	5.60	42.6	5.32	40.4	5.04	39.4	4.90	37.8	4.62	35.8	4.34
		231.0	45.2	5.54	42.6	5.32	40.4	4.96	39.4	4.90	37.8	4.62	35.8	4.34
	30	61.6	45.2	5.22	42.6	4.92	40.4	4.66	39.4	4.50	37.8	4.24	35.8	3.96
		77.0	45.2	5.18	42.6	4.90	40.4	4.62	39.4	4.48	37.8	4.20	35.8	3.92
		154.0	45.2	5.04	42.6	4.76	40.4	4.48	39.4	4.34	37.8	4.06	35.8	3.78
		192.6	45.2	5.04	42.6	4.76	40.4	4.48	39.4	4.34	37.8	4.06	35.8	3.78
		231.0	45.2	5.04	42.6	4.76	40.4	4.48	39.4	4.34	37.8	4.06	35.8	3.78
	35	61.6	45.2	4.80	42.6	4.50	40.4	4.08	39.4	3.92	37.8	3.82	35.8	3.50
		77.0	45.2	4.76	42.6	4.48	40.4	4.06	39.4	3.92	37.8	3.78	35.8	3.50
		154.0	45.2	4.62	42.6	4.34	40.4	3.92	39.4	3.92	37.8	3.64	35.8	3.50
		192.6	45.2	4.62	42.6	4.20	40.4	3.92	39.4	3.78	37.8	3.64	35.8	3.36
		231.0	45.2	4.62	42.6	4.12	40.4	3.92	39.4	3.70	37.8	3.64	35.8	3.28
	40	61.6	45.2	4.54	42.6	4.08	40.4	3.64	39.4	3.66	37.8	3.36	35.8	3.24
		77.0	45.2	4.48	42.6	4.06	40.4	3.64	39.4	3.64	37.8	3.36	35.8	3.22
		154.0	45.2	4.20	42.6	3.92	40.4	3.64	39.4	3.50	37.8	3.36	35.8	3.08
		192.6	45.2	4.20	42.6	3.92	40.4	3.50	39.4	3.50	37.8	3.36	35.8	3.08
		231.0	45.2	4.20	42.6	3.92	40.4	3.44	39.4	3.50	37.8	3.36	35.8	3.08
	45	61.6	45.2	4.30	42.6	3.66	40.4	3.18	39.4	3.42	37.8	2.90	35.8	3.00
		77.0	45.2	4.20	42.6	3.64	40.4	3.22	39.4	3.36	37.8	2.94	35.8	2.94
		154.0	45.2	3.78	42.6	3.50	40.4	3.36	39.4	3.08	37.8	3.08	35.8	2.66
		192.6	45.2	3.78	42.6	3.64	40.4	3.08	39.4	3.22	37.8	3.08	35.8	2.80
		231.0	45.2	3.78	42.6	3.70	40.4	2.94	39.4	3.28	37.8	3.08	35.8	2.86
70	-5	61.6	15.8	5.06	14.8	4.82	14.0	4.66	13.8	4.40	13.8	4.24	13.6	3.86
		77.0	16.4	5.18	15.4	4.92	14.4	4.76	14.4	4.48	14.2	4.34	14.0	3.94
		154.0	18.4	5.60	17.4	5.34	16.4	5.18	16.2	4.86	16.2	4.70	15.8	4.28
		192.6	20.4	6.06	19.2	5.76	18.0	5.58	18.0	5.24	17.8	5.06	17.4	4.60
		231.0	21.4	6.28	20.0	5.98	19.0	5.78	18.8	5.44	18.6	5.26	18.4	4.78
	0	61.6	28.2	7.40	26.2	7.06	24.2	6.82	23.8	6.42	23.4	6.20	22.6	5.64
		77.0	28.4	7.42	26.2	7.08	24.4	6.86	24.0	6.44	23.6	6.22	22.8	5.66
		154.0	29.0	7.52	26.8	7.16	25.0	6.94	24.6	6.52	24.2	6.30	23.2	5.72
		192.6	29.4	7.52	27.2	7.16	25.4	6.94	24.8	6.52	24.6	6.30	23.6	5.72
		231.0	29.8	7.52	27.4	7.16	25.6	6.94	25.0	6.52	24.8	6.30	23.8	5.72
	5	61.6	39.0	8.08	37.0	7.68	35.2	7.44	34.4	7.00	33.0	6.76	31.4	6.14
		77.0	39.2	8.12	37.0	7.72	35.2	7.48	34.4	7.04	33.0	6.80	31.4	6.16
		154.0	39.4	8.26	37.4	7.88	35.2	7.64	34.4	7.16	33.0	6.94	31.4	6.30
		192.6	39.4	8.32	37.2	7.94	35.2	7.70	34.4	7.22	33.0	6.98	31.4	6.34
		231.0	39.4	8.36	37.2	7.96	35.2	7.72	34.4	7.26	33.0	7.00	31.4	6.36
	10	61.6	39.2	7.42	37.0	7.02	35.2	6.76	34.4	6.38	33.0	6.12	31.4	5.60
		77.0	39.2	7.42	37.2	7.00	35.2	6.74	34.4	6.38	33.0	6.12	31.4	5.60
		154.0	39.4	7.36	37.2	6.96	35.2	6.70	34.4	6.38	33.0	6.12	31.4	5.60
		192.6	39.4	7.38	37.2	6.98	35.2	6.72	34.4	6.42	33.0	6.08	31.4	5.62
		231.0	39.4	7.40	37.2	7.00	35.2	6.74	34.4	6.44	33.0	6.06	31.4	5.62
	15	61.6	39.4	6.78	37.2	6.36	35.2	6.10	34.4	5.76	33.0	5.50	31.4	5.08
		77.0	39.4	6.72	37.2	6.30	35.2	6.02	34.4	5.74	33.0	5.46	31.4	5.04
		154.0	39.4	6.44	37.2	6.02	35.2	5.74	34.4	5.60	33.0	5.32	31.4	4.90
		192.6	39.4	6.44	37.2	6.02	35.2	5.74	34.4	5.60	33.0	5.18	31.4	4.90
		231.0	39.4	6.44	37.2	6.02	35.2	5.74	34.4	5.60	33.0	5.12	31.4	4.90
	20	61.6	39.4	5.64	37.2	5.34	35.2	5.22	34.4	5.08	33.0	4.80	31.4	4.50
		77.0	39.4	5.60	37.2	5.32	35.2	5.18	34.4	5.04	33.0	4.76	31.4	4.48
		154.0	39.4	5.46	37.2	5.18	35.2	5.04	34.4	4.90	33.0	4.62	31.4	4.34
		192.6	39.4	5.46	37.2	5.18	35.2	5.04	34.4	4.76	33.0	4.62	31.4	4.20
		231.0	39.4	5.46	37.2	5.18	35.2	5.04	34.4	4.70	33.0	4.62	31.4	4.12
	25	61.6	39.4	5.08	37.2	4.80	35.2	4.50	34.4	4.38	33.0	4.06	31.4	3.78
		77.0	39.4	5.04	37.2	4.76	35.2	4.48	34.4	4.34	33.0	4.06	31.4	3.78
		154.0	39.4	4.90	37.2	4.62	35.2	4.34	34.4	4.20	33.0	4.06	31.4	3.78
		192.6	39.4	4.76	37.2	4.48	35.2	4.34	34.4	4.20	33.0	3.92	31.4	3.78
		231.0	39.4	4.70	37.2	4.40	35.2	4.34	34.4	4.20	33.0	3.86	31.4	3.78
	30	61.6	39.4	4.50	37.2	4.24	35.2	3.96	34.4	3.78	33.0	3.66	31.4	3.36
		77.0	39.4	4.48	37.2	4.20	35.2	3.92	34.4	3.78	33.0	3.64	31.4	3.36
		154.0	39.4	4.34	37.2	4.06	35.2	3.78	34.4	3.78	33.0	3.50	31.4	3.36
		192.6	39.4	4.34	37.2	4.06	35.2	3.78	34.4	3.64	33.0	3.50	31.4	3.36
		231.0	39.4	4.34	37.2	4.06	35.2	3.78	34.4	3.56	33.0	3.50	31.4	3.36
	35	61.6	39.4	4.08	37.2	3.82	35.2	3.50	34.4	3.54	33.0	3.22	31.4	3.12
		77.0	39.4	4.06	37.2	3.78	35.2	3.50	34.4	3.50	33.0	3.22	31.4	3.08
		154.0	39.4	3.92	37.2	3.64	35.2	3.50	34.4	3.36	33.0	3.22	31.4	2.94
		192.6	39.4	3.92	37.2	3.64	35.2	3.36	34.4	3.36	33.0	3.22	31.4	2.94
		231.0	39.4	3.92	37.2	3.64	35.2	3.28	34.4	3.36	33.0	3.22	31.4	2.94

7. Capacity tables

Heating Capacity (16 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
70	40	61.6	39.4	3.82	37.2	3.54	35.2	3.24	34.4	3.08	33.0	2.94	31.4	2.82
		77.0	39.4	3.78	37.2	3.50	35.2	3.22	34.4	3.08	33.0	2.94	31.4	2.80
		154.0	39.4	3.64	37.2	3.36	35.2	3.08	34.4	3.08	33.0	2.94	31.4	2.66
		192.6	39.4	3.64	37.2	3.36	35.2	3.08	34.4	2.94	33.0	2.80	31.4	2.66
		231.0	39.4	3.64	37.2	3.36	35.2	3.08	34.4	2.86	33.0	2.72	31.4	2.66
	45	61.6	39.4	3.54	37.2	3.24	35.2	3.00	34.4	2.64	33.0	2.66	31.4	2.56
		77.0	39.4	3.50	37.2	3.22	35.2	2.94	34.4	2.66	33.0	2.66	31.4	2.52
		154.0	39.4	3.36	37.2	3.08	35.2	2.66	34.4	2.80	33.0	2.66	31.4	2.38
		192.6	39.4	3.36	37.2	3.08	35.2	2.80	34.4	2.52	33.0	2.38	31.4	2.38
		231.0	39.4	3.36	37.2	3.08	35.2	2.86	34.4	2.38	33.0	2.22	31.4	2.38
60	-5	61.6	13.6	4.10	12.6	3.96	12.0	3.80	11.8	3.52	11.8	3.48	11.6	3.10
		77.0	14.0	4.20	13.2	4.04	12.4	3.88	12.2	3.60	12.2	3.54	12.0	3.18
		154.0	15.8	4.56	14.8	4.38	14.0	4.22	14.0	3.92	13.8	3.86	13.6	3.44
		192.6	17.6	4.90	16.4	4.74	15.6	4.54	15.4	4.22	15.4	4.16	15.0	3.70
		231.0	18.4	5.08	17.2	4.92	16.4	4.72	16.2	4.38	16.0	4.30	15.8	3.84
	0	61.6	24.2	6.02	22.4	5.80	20.8	5.56	20.4	5.18	20.2	5.10	19.4	4.56
		77.0	24.4	6.04	22.4	5.82	21.0	5.58	20.6	5.18	20.2	5.12	19.6	4.56
		154.0	25.0	6.12	23.0	5.88	21.4	5.64	21.0	5.24	20.8	5.18	20.0	4.60
		192.6	25.4	6.12	23.4	5.88	21.8	5.64	21.4	5.24	21.0	5.18	20.2	4.60
		231.0	25.6	6.12	23.6	5.88	22.0	5.64	21.4	5.24	21.2	5.18	20.4	4.60
	5	61.6	33.4	6.56	31.6	6.32	30.2	6.04	29.6	5.64	28.2	5.54	27.0	4.94
		77.0	33.6	6.58	31.6	6.34	30.2	6.08	29.6	5.66	28.2	5.58	27.0	4.96
		154.0	33.8	6.72	31.8	6.48	30.2	6.22	29.6	5.78	28.2	5.70	27.0	5.06
		192.6	33.8	6.78	31.8	6.52	30.2	6.26	29.6	5.82	28.2	5.72	27.0	5.12
		231.0	33.8	6.80	31.8	6.54	30.2	6.28	29.6	5.84	28.2	5.74	27.0	5.14
	10	61.6	33.6	6.02	31.8	5.76	30.2	5.48	29.6	5.12	28.2	5.02	27.0	4.50
		77.0	33.8	6.02	31.8	5.76	30.2	5.48	29.6	5.14	28.2	5.02	27.0	4.52
		154.0	33.8	6.02	31.8	5.76	30.2	5.48	29.6	5.20	28.2	5.02	27.0	4.56
		192.6	33.8	6.04	31.8	5.70	30.2	5.44	29.6	5.14	28.2	4.96	27.0	4.52
		231.0	33.8	6.04	31.8	5.68	30.2	5.40	29.6	5.12	28.2	4.94	27.0	4.50
	15	61.6	33.8	5.50	31.8	5.22	30.2	4.92	29.6	4.62	28.2	4.50	27.0	4.06
		77.0	33.8	5.46	31.8	5.18	30.2	4.90	29.6	4.62	28.2	4.48	27.0	4.06
		154.0	33.8	5.32	31.8	5.04	30.2	4.76	29.6	4.62	28.2	4.34	27.0	4.06
		192.6	33.8	5.32	31.8	4.90	30.2	4.62	29.6	4.48	28.2	4.20	27.0	3.92
		231.0	33.8	5.32	31.8	4.82	30.2	4.54	29.6	4.40	28.2	4.12	27.0	3.86
	20	61.6	33.8	4.80	31.8	4.50	30.2	4.24	29.6	4.08	28.2	3.96	27.0	3.66
		77.0	33.8	4.76	31.8	4.48	30.2	4.20	29.6	4.06	28.2	3.92	27.0	3.64
		154.0	33.8	4.62	31.8	4.34	30.2	4.06	29.6	3.92	28.2	3.78	27.0	3.50
		192.6	33.8	4.62	31.8	4.34	30.2	4.06	29.6	3.92	28.2	3.78	27.0	3.50
		231.0	33.8	4.62	31.8	4.34	30.2	4.06	29.6	3.92	28.2	3.78	27.0	3.50
	25	61.6	33.8	4.24	31.8	3.96	30.2	3.64	29.6	3.66	28.2	3.36	27.0	3.24
		77.0	33.8	4.20	31.8	3.92	30.2	3.64	29.6	3.64	28.2	3.36	27.0	3.22
		154.0	33.8	4.06	31.8	3.78	30.2	3.64	29.6	3.50	28.2	3.36	27.0	3.08
		192.6	33.8	4.06	31.8	3.78	30.2	3.50	29.6	3.50	28.2	3.36	27.0	3.08
		231.0	33.8	4.06	31.8	3.78	30.2	3.44	29.6	3.50	28.2	3.36	27.0	3.08
	30	61.6	33.8	3.82	31.8	3.54	30.2	3.40	29.6	3.24	28.2	3.12	27.0	2.98
		77.0	33.8	3.78	31.8	3.50	30.2	3.36	29.6	3.22	28.2	3.08	27.0	2.94
		154.0	33.8	3.64	31.8	3.36	30.2	3.22	29.6	3.08	28.2	2.94	27.0	2.80
		192.6	33.8	3.64	31.8	3.36	30.2	3.22	29.6	3.08	28.2	2.94	27.0	2.80
		231.0	33.8	3.64	31.8	3.36	30.2	3.22	29.6	3.08	28.2	2.94	27.0	2.80
	35	61.6	33.8	3.36	31.8	3.24	30.2	2.94	29.6	2.98	28.2	2.82	27.0	2.70
		77.0	33.8	3.36	31.8	3.22	30.2	2.94	29.6	2.94	28.2	2.80	27.0	2.66
		154.0	33.8	3.36	31.8	3.08	30.2	2.94	29.6	2.80	28.2	2.66	27.0	2.52
		192.6	33.8	3.36	31.8	3.08	30.2	2.80	29.6	2.80	28.2	2.66	27.0	2.52
		231.0	33.8	3.36	31.8	3.08	30.2	2.72	29.6	2.80	28.2	2.66	27.0	2.52
	40	61.6	33.8	3.08	31.8	2.98	30.2	2.66	29.6	2.70	28.2	2.56	27.0	2.38
		77.0	33.8	3.08	31.8	2.94	30.2	2.66	29.6	2.66	28.2	2.52	27.0	2.38
		154.0	33.8	3.08	31.8	2.80	30.2	2.66	29.6	2.52	28.2	2.38	27.0	2.38
		192.6	33.8	3.08	31.8	2.80	30.2	2.66	29.6	2.52	28.2	2.38	27.0	2.38
		231.0	33.8	3.08	31.8	2.80	30.2	2.66	29.6	2.52	28.2	2.38	27.0	2.38
	45	61.6	33.8	2.80	31.8	2.70	30.2	2.38	29.6	2.40	28.2	2.28	27.0	2.06
		77.0	33.8	2.80	31.8	2.66	30.2	2.38	29.6	2.38	28.2	2.24	27.0	2.10
		154.0	33.8	2.80	31.8	2.52	30.2	2.38	29.6	2.24	28.2	2.10	27.0	2.24
		192.6	33.8	2.80	31.8	2.52	30.2	2.52	29.6	2.24	28.2	2.10	27.0	2.24
		231.0	33.8	2.80	31.8	2.52	30.2	2.60	29.6	2.24	28.2	2.10	27.0	2.24
50	-5	61.6	11.2	3.28	10.6	3.10	10.0	2.94	9.8	2.78	9.8	2.60	9.6	2.46
		77.0	11.6	3.34	11.0	3.18	10.4	3.00	10.2	2.84	10.2	2.66	10.0	2.52
		154.0	13.2	3.62	12.4	3.44	11.8	3.24	11.6	3.08	11.6	2.90	11.2	2.72
		192.6	14.6	3.92	13.6	3.70	13.0	3.50	12.8	3.34	12.8	3.12	12.6	2.94
		231.0	15.2	4.06	14.4	3.84	13.6	3.64	13.4	3.46	13.2	3.22	13.2	3.04
	0	61.6	20.2	4.80	18.6	4.56	17.4	4.28	17.0	4.06	16.8	3.82	16.2	3.60
		77.0	20.2	4.80	18.8	4.56	17.4	4.30	17.0	4.08	16.8	3.84	16.2	3.62
		154.0	20.8	4.86	19.2	4.60	17.8	4.36	17.4	4.14	17.2	3.88	16.6	3.66
		192.6	21.0	4.86	19.4	4.60	18.0	4.36	17.8	4.14	17.4	3.88	16.8	3.66
		231.0	21.2	4.86	19.6	4.60	18.2	4.36	18.0	4.14	17.6	3.88	17.0	3.66

7. Capacity tables

Heating Capacity (16 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	5	61.6	27.8	5.22	26.4	4.94	25.2	4.66	24.6	4.44	23.4	4.16	22.4	3.92
		77.0	27.8	5.24	26.4	4.96	25.2	4.70	24.6	4.46	23.4	4.18	22.4	3.94
		154.0	28.2	5.34	26.6	5.06	25.2	4.80	24.6	4.54	23.4	4.26	22.4	4.02
		192.6	28.2	5.38	26.6	5.12	25.2	4.82	24.6	4.58	23.4	4.30	22.4	4.06
		231.0	28.2	5.40	26.6	5.14	25.2	4.84	24.6	4.60	23.4	4.32	22.4	4.06
	10	61.6	28.0	4.80	26.4	4.52	25.2	4.26	24.6	4.06	23.4	3.76	22.4	3.58
		77.0	28.0	4.80	26.4	4.52	25.2	4.24	24.6	4.06	23.4	3.76	22.4	3.58
		154.0	28.2	4.76	26.6	4.50	25.2	4.22	24.6	4.02	23.4	3.80	22.4	3.54
		192.6	28.2	4.80	26.6	4.52	25.2	4.22	24.6	4.04	23.4	3.76	22.4	3.56
		231.0	28.2	4.80	26.6	4.52	25.2	4.24	24.6	4.04	23.4	3.72	22.4	3.58
	15	61.6	28.2	4.38	26.6	4.08	25.2	3.82	24.6	3.66	23.4	3.36	22.4	3.24
		77.0	28.2	4.34	26.6	4.06	25.2	3.78	24.6	3.64	23.4	3.36	22.4	3.22
		154.0	28.2	4.20	26.6	3.92	25.2	3.64	24.6	3.50	23.4	3.36	22.4	3.08
		192.6	28.2	4.20	26.6	3.92	25.2	3.64	24.6	3.50	23.4	3.22	22.4	3.08
		231.0	28.2	4.20	26.6	3.92	25.2	3.64	24.6	3.50	23.4	3.14	22.4	3.08
	20	61.6	28.2	3.82	26.6	3.54	25.2	3.40	24.6	3.24	23.4	3.12	22.4	2.80
		77.0	28.2	3.78	26.6	3.50	25.2	3.36	24.6	3.22	23.4	3.08	22.4	2.80
		154.0	28.2	3.64	26.6	3.36	25.2	3.22	24.6	3.08	23.4	2.94	22.4	2.80
		192.6	28.2	3.64	26.6	3.36	25.2	3.22	24.6	3.08	23.4	2.94	22.4	2.80
		231.0	28.2	3.64	26.6	3.36	25.2	3.22	24.6	3.08	23.4	2.94	22.4	2.80
	25	61.6	28.2	3.40	26.6	3.08	25.2	2.98	24.6	2.80	23.4	2.66	22.4	2.52
		77.0	28.2	3.36	26.6	3.08	25.2	2.94	24.6	2.80	23.4	2.66	22.4	2.52
		154.0	28.2	3.22	26.6	3.08	25.2	2.80	24.6	2.80	23.4	2.66	22.4	2.52
		192.6	28.2	3.22	26.6	3.08	25.2	2.80	24.6	2.80	23.4	2.66	22.4	2.52
		231.0	28.2	3.22	26.6	3.08	25.2	2.80	24.6	2.80	23.4	2.66	22.4	2.52
	30	61.6	28.2	3.12	26.6	2.82	25.2	2.70	24.6	2.52	23.4	2.56	22.4	2.40
		77.0	28.2	3.08	26.6	2.80	25.2	2.66	24.6	2.52	23.4	2.52	22.4	2.38
		154.0	28.2	2.94	26.6	2.66	25.2	2.52	24.6	2.52	23.4	2.38	22.4	2.24
		192.6	28.2	2.94	26.6	2.66	25.2	2.52	24.6	2.52	23.4	2.38	22.4	2.24
		231.0	28.2	2.94	26.6	2.66	25.2	2.52	24.6	2.52	23.4	2.38	22.4	2.24
	35	61.6	28.2	2.82	26.6	2.52	25.2	2.38	24.6	2.40	23.4	2.24	22.4	2.10
		77.0	28.2	2.80	26.6	2.52	25.2	2.38	24.6	2.38	23.4	2.24	22.4	2.10
		154.0	28.2	2.66	26.6	2.52	25.2	2.38	24.6	2.24	23.4	2.24	22.4	2.10
		192.6	28.2	2.66	26.6	2.52	25.2	2.38	24.6	2.24	23.4	2.24	22.4	2.10
		231.0	28.2	2.66	26.6	2.52	25.2	2.38	24.6	2.24	23.4	2.24	22.4	2.10
	40	61.6	28.2	2.56	26.6	2.40	25.2	2.28	24.6	2.10	23.4	2.14	22.4	1.96
		77.0	28.2	2.52	26.6	2.38	25.2	2.24	24.6	2.10	23.4	2.10	22.4	1.96
		154.0	28.2	2.38	26.6	2.24	25.2	2.10	24.6	2.10	23.4	1.96	22.4	1.96
		192.6	28.2	2.38	26.6	2.24	25.2	2.10	24.6	2.10	23.4	1.96	22.4	1.96
		231.0	28.2	2.38	26.6	2.24	25.2	2.10	24.6	2.10	23.4	1.96	22.4	1.96
	45	61.6	28.2	2.28	26.6	2.32	25.2	2.16	24.6	1.80	23.4	2.02	22.4	1.82
		77.0	28.2	2.24	26.6	2.24	25.2	2.10	24.6	1.82	23.4	1.96	22.4	1.82
		154.0	28.2	2.10	26.6	1.96	25.2	1.82	24.6	1.96	23.4	1.68	22.4	1.82
		192.6	28.2	2.10	26.6	1.96	25.2	1.82	24.6	1.96	23.4	1.68	22.4	1.82
		231.0	28.2	2.10	26.6	1.96	25.2	1.82	24.6	1.96	23.4	1.68	22.4	1.82

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB180LSA4

Heating Capacity (18 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	69.2	26.8	9.99	26.6	9.41	26.5	8.76	26.1	8.50	26.4	8.27	25.7	7.42
		86.5	27.7	10.17	27.5	9.59	27.4	8.95	27.0	8.68	27.3	8.45	26.6	7.58
		173.0	31.3	10.86	31.1	10.31	31.0	9.70	30.6	9.43	30.9	9.16	30.1	8.22
		216.3	34.7	11.54	34.4	11.02	34.2	10.47	33.8	10.18	34.2	9.88	33.3	8.86
		259.5	36.4	11.90	36.0	11.38	35.8	10.84	35.4	10.56	35.8	10.25	34.9	9.19
	0	69.2	47.9	13.67	46.8	13.26	45.9	12.83	44.8	12.47	45.0	12.13	43.0	10.86
		86.5	48.2	13.70	47.1	13.29	46.1	12.86	45.1	12.50	45.2	12.15	43.2	10.88
		173.0	49.3	13.85	48.2	13.42	47.2	13.01	46.1	12.65	46.3	12.29	44.3	11.02
		216.3	50.1	13.85	48.9	13.42	47.9	13.01	46.8	12.65	47.0	12.29	44.8	11.02
		259.5	50.4	13.85	49.3	13.42	48.3	13.01	47.2	12.65	47.3	12.29	45.2	11.02
	5	69.2	69.0	14.69	68.0	14.33	66.6	13.96	64.8	13.56	63.2	13.19	59.6	11.81
		86.5	69.3	14.76	68.1	14.40	66.6	14.03	64.8	13.63	63.2	13.26	59.6	11.88
		173.0	70.2	15.02	68.6	14.65	66.6	14.31	64.8	13.92	63.2	13.52	59.6	12.13
		216.3	70.6	15.11	68.8	14.76	66.6	14.41	64.8	14.01	63.2	13.62	59.6	12.20
		259.5	70.9	15.17	68.9	14.81	66.6	14.46	64.8	14.06	63.2	13.67	59.6	12.24
	10	69.2	69.1	13.36	68.0	12.92	66.4	12.67	64.6	12.39	62.9	11.97	59.4	10.79
		86.5	69.5	13.34	68.3	12.93	66.6	12.70	64.8	12.38	63.2	11.95	59.6	10.79
		173.0	71.1	13.24	69.5	12.97	67.7	12.79	65.9	12.37	64.1	11.93	60.6	10.76
		216.3	71.5	13.42	70.0	13.16	68.1	12.85	66.2	12.42	64.5	12.13	61.0	11.27
		259.5	71.7	13.51	70.2	13.25	68.3	12.87	66.4	12.45	64.8	12.22	61.2	11.52
	15	69.2	69.2	12.04	68.0	11.53	66.1	11.41	64.3	11.22	62.6	10.74	59.2	9.79
		86.5	69.8	11.93	68.6	11.48	66.6	11.38	64.8	11.13	63.2	10.66	59.6	9.70
		173.0	72.0	11.45	70.6	11.29	68.7	11.29	67.0	10.81	65.0	10.33	61.6	9.38
		216.3	72.4	11.72	71.3	11.54	69.5	11.29	67.7	10.81	65.9	10.63	62.3	10.33
		259.5	72.6	11.87	71.6	11.68	70.0	11.29	68.0	10.81	66.4	10.77	62.7	10.81
	20	69.2	71.8	11.05	70.5	10.54	68.6	10.31	66.8	9.97	64.8	9.75	61.0	9.45
		86.5	72.4	10.97	71.1	10.52	69.2	10.29	67.3	10.02	65.4	9.82	61.6	9.38
		173.0	74.7	10.66	73.4	10.49	71.3	10.27	69.4	10.18	67.7	10.08	63.9	9.06
		216.3	75.0	10.66	73.9	10.49	72.2	10.33	70.1	10.18	68.2	10.08	64.3	9.64
		259.5	75.2	10.66	74.2	10.49	72.6	10.36	70.4	10.18	68.4	10.08	64.6	9.93
	25	69.2	75.8	10.54	73.9	10.23	72.2	10.06	70.8	9.89	69.2	9.75	65.2	9.11
		86.5	75.8	10.49	73.9	10.22	72.2	10.02	70.8	9.85	69.2	9.70	65.2	9.06
		173.0	75.8	10.33	73.9	10.15	72.2	9.85	70.8	9.70	69.2	9.54	65.2	8.90
		216.3	75.8	10.18	73.9	9.88	72.2	9.70	70.8	9.54	69.2	9.38	65.2	8.75
		259.5	75.8	10.11	73.9	9.75	72.2	9.63	70.8	9.45	69.2	9.29	65.2	8.68
	30	69.2	75.8	10.27	73.9	9.75	72.2	9.66	70.8	9.41	69.2	9.31	65.2	8.66
		86.5	75.8	10.18	73.9	9.74	72.2	9.61	70.8	9.38	69.2	9.23	65.2	8.59
		173.0	75.8	9.85	73.9	9.67	72.2	9.38	70.8	9.23	69.2	8.90	65.2	8.27
		216.3	75.8	9.70	73.9	9.41	72.2	9.23	70.8	9.06	69.2	8.90	65.2	8.27
		259.5	75.8	9.63	73.9	9.27	72.2	9.15	70.8	8.98	69.2	8.90	65.2	8.27
	35	69.2	75.8	9.79	73.9	9.47	72.2	9.27	70.8	8.93	69.2	8.63	65.2	8.02
		86.5	75.8	9.70	73.9	9.41	72.2	9.23	70.8	8.90	69.2	8.59	65.2	7.95
		173.0	75.8	9.38	73.9	9.20	72.2	9.06	70.8	8.75	69.2	8.42	65.2	7.63
		216.3	75.8	9.38	73.9	9.09	72.2	8.90	70.8	8.59	69.2	8.27	65.2	7.63
		259.5	75.8	9.38	73.9	9.04	72.2	8.81	70.8	8.50	69.2	8.20	65.2	7.63
	40	69.2	75.8	9.45	73.9	9.15	72.2	8.98	70.8	8.66	69.2	8.36	65.2	7.54
		86.5	75.8	9.38	73.9	9.09	72.2	8.90	70.8	8.59	69.2	8.27	65.2	7.47
		173.0	75.8	9.06	73.9	8.86	72.2	8.59	70.8	8.27	69.2	7.95	65.2	7.16
		216.3	75.8	8.90	73.9	8.72	72.2	8.59	70.8	8.27	69.2	7.95	65.2	7.16
		259.5	75.8	8.81	73.9	8.65	72.2	8.59	70.8	8.27	69.2	7.95	65.2	7.16
	45	69.2	75.8	9.14	73.9	8.84	72.2	8.70	70.8	8.40	69.2	8.06	65.2	7.07
		86.5	75.8	9.06	73.9	8.79	72.2	8.59	70.8	8.27	69.2	7.95	65.2	6.99
		173.0	75.8	8.75	73.9	8.56	72.2	8.11	70.8	7.79	69.2	7.47	65.2	6.68
		216.3	75.8	8.42	73.9	8.34	72.2	8.27	70.8	7.95	69.2	7.63	65.2	6.68
		259.5	75.8	8.25	73.9	8.23	72.2	8.36	70.8	8.02	69.2	7.72	65.2	6.68
120	-5	69.2	25.5	9.99	25.3	9.41	25.2	8.76	24.8	8.38	25.0	8.15	24.3	7.29
		86.5	26.4	10.17	26.1	9.59	26.0	8.95	25.7	8.57	25.9	8.32	25.2	7.45
		173.0	29.9	10.86	29.6	10.31	29.5	9.70	29.0	9.29	29.3	9.03	28.6	8.09
		216.3	33.0	11.54	32.7	11.02	32.5	10.47	32.1	10.04	32.4	9.74	31.5	8.72
		259.5	34.5	11.90	34.2	11.38	34.0	10.84	33.7	10.40	33.9	10.09	33.0	9.04
	0	69.2	45.6	13.67	44.5	13.26	43.5	12.83	42.6	12.29	42.6	11.94	40.7	10.68
		86.5	45.9	13.70	44.7	13.29	43.8	12.86	42.9	12.32	42.9	11.97	40.9	10.70
		173.0	46.8	13.85	45.7	13.42	44.8	13.01	43.9	12.47	43.9	12.11	41.9	10.84
		216.3	47.7	13.85	46.5	13.42	45.5	13.01	44.6	12.47	44.5	12.11	42.5	10.84
		259.5	48.0	13.85	46.9	13.42	45.9	13.01	45.0	12.47	44.8	12.11	42.9	10.84
	5	69.2	65.7	14.69	64.7	14.33	63.3	13.96	61.8	13.37	59.8	12.99	56.5	11.63
		86.5	65.9	14.76	64.8	14.40	63.3	14.03	61.8	13.44	59.8	13.06	56.5	11.70
		173.0	66.9	15.02	65.3	14.65	63.3	14.31	61.8	13.72	59.8	13.33	56.5	11.93
		216.3	67.3	15.11	65.0	14.76	63.3	14.41	61.8	13.81	59.8	13.42	56.5	12.01
		259.5	67.5	15.17	64.8	14.81	63.3	14.46	61.8	13.86	59.8	13.47	56.5	12.04
	10	69.2	65.9	13.20	64.8	12.83	63.2	12.57	61.6	12.19	59.6	11.79	56.4	10.60
		86.5	66.2	13.24	65.0	12.88	63.3	12.61	61.8	12.20	59.8	11.77	56.5	10.61
		173.0	67.5	13.42	66.0	13.08	63.9	12.79	62.5	12.27	60.5	11.74	57.1	10.66
		216.3	67.8	13.38	65.9	13.08	64.3	12.85	62.7	12.32	60.7	11.79	57.4	11.02
		259.5	68.0	13.35	65.7	13.08	64.4	12.87	62.8	12.34	60.8	11.82	57.6	11.20

7. Capacity tables

Heating Capacity (18 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	15	69.2	66.1	11.70	64.8	11.36	63.0	11.18	61.4	11.01	59.5	10.57	56.2	9.58
		86.5	66.6	11.72	65.2	11.38	63.3	11.20	61.8	10.97	59.8	10.49	56.5	9.54
		173.0	68.0	11.83	66.8	11.48	64.8	11.29	63.2	10.81	61.0	10.18	57.8	9.38
		216.3	68.4	11.65	66.8	11.38	65.2	11.29	63.7	10.81	61.6	10.18	58.3	10.02
		259.5	68.6	11.56	66.7	11.33	65.5	11.29	63.9	10.81	61.8	10.18	58.5	10.34
	20	69.2	68.0	10.52	66.7	10.08	64.6	9.81	62.9	9.67	60.8	9.54	57.6	9.06
		86.5	68.4	10.52	67.1	10.11	65.0	9.85	63.3	9.70	61.2	9.54	57.9	9.03
		173.0	70.2	10.52	68.7	10.27	66.4	10.02	64.8	9.85	62.8	9.51	59.2	8.90
		216.3	70.4	10.43	68.6	10.18	67.0	10.02	65.2	9.85	63.2	9.54	59.6	9.23
		259.5	70.6	10.38	68.6	10.14	67.3	10.02	65.5	9.85	63.3	9.56	59.8	9.40
	25	69.2	71.3	9.95	69.2	9.49	67.0	9.31	65.5	9.11	63.9	8.93	60.3	8.31
		86.5	71.3	9.92	69.2	9.47	67.0	9.29	65.5	9.06	63.9	8.90	60.3	8.27
		173.0	71.5	9.77	69.2	9.41	67.0	9.23	65.5	8.90	63.9	8.75	60.3	8.11
		216.3	71.7	9.41	69.2	9.16	67.0	9.06	65.5	8.90	63.9	8.59	60.3	8.11
		259.5	71.8	9.22	69.2	9.04	67.0	8.98	65.5	8.90	63.9	8.50	60.3	8.11
	30	69.2	71.7	9.52	69.2	9.05	67.0	8.79	65.5	8.45	63.9	8.36	60.3	7.68
		86.5	71.7	9.44	69.2	9.00	67.0	8.75	65.5	8.42	63.9	8.27	60.3	7.63
		173.0	71.7	9.13	69.2	8.79	67.0	8.59	65.5	8.27	63.9	7.95	60.3	7.47
		216.3	71.7	8.83	69.2	8.59	67.0	8.42	65.5	8.27	63.9	7.95	60.3	7.32
		259.5	71.7	8.68	69.2	8.49	67.0	8.34	65.5	8.27	63.9	7.95	60.3	7.25
	35	69.2	71.7	9.09	69.2	8.60	67.0	8.36	65.5	8.02	63.9	7.71	60.3	7.02
		86.5	71.7	8.97	69.2	8.52	67.0	8.27	65.5	7.95	63.9	7.63	60.3	6.99
		173.0	71.7	8.45	69.2	8.20	67.0	7.95	65.5	7.63	63.9	7.32	60.3	6.84
		216.3	71.7	8.36	69.2	8.14	67.0	7.95	65.5	7.63	63.9	7.32	60.3	6.68
		259.5	71.7	8.31	69.2	8.11	67.0	7.95	65.5	7.63	63.9	7.32	60.3	6.59
	40	69.2	71.7	8.82	69.2	8.20	67.0	7.88	65.5	7.54	63.9	7.23	60.3	6.55
		86.5	71.7	8.65	69.2	8.11	67.0	7.79	65.5	7.47	63.9	7.16	60.3	6.52
		173.0	71.7	7.98	69.2	7.73	67.0	7.47	65.5	7.16	63.9	6.84	60.3	6.36
		216.3	71.7	7.88	69.2	7.63	67.0	7.47	65.5	7.16	63.9	6.84	60.3	6.20
		259.5	71.7	7.83	69.2	7.58	67.0	7.47	65.5	7.16	63.9	6.84	60.3	6.11
	45	69.2	71.7	8.55	69.2	7.81	67.0	7.40	65.5	7.07	63.9	6.75	60.3	6.07
		86.5	71.7	8.34	69.2	7.70	67.0	7.32	65.5	6.99	63.9	6.68	60.3	6.04
		173.0	71.7	7.50	69.2	7.25	67.0	6.99	65.5	6.68	63.9	6.36	60.3	5.89
		216.3	71.7	7.40	69.2	7.13	67.0	6.99	65.5	6.68	63.9	6.36	60.3	5.72
		259.5	71.7	7.36	69.2	7.06	67.0	6.99	65.5	6.68	63.9	6.36	60.3	5.64
110	-5	69.2	24.1	10.13	24.0	9.41	23.8	8.76	23.6	8.38	23.6	8.15	23.1	7.29
		86.5	25.0	10.29	24.8	9.59	24.6	8.95	24.3	8.57	24.5	8.32	23.9	7.45
		173.0	28.2	10.99	28.1	10.31	27.9	9.70	27.6	9.29	27.6	9.03	27.0	8.09
		216.3	31.2	11.70	31.0	11.02	30.8	10.47	30.4	10.04	30.4	9.74	29.9	8.72
		259.5	32.6	12.06	32.4	11.38	32.2	10.84	31.9	10.40	31.9	10.09	31.3	9.04
	0	69.2	43.1	13.85	42.1	13.26	41.2	12.83	40.5	12.29	40.1	11.94	38.6	10.68
		86.5	43.4	13.88	42.4	13.29	41.5	12.86	40.7	12.32	40.3	11.97	38.9	10.70
		173.0	44.3	14.01	43.4	13.42	42.5	13.01	41.6	12.47	41.3	12.11	39.8	10.84
		216.3	45.0	14.01	44.1	13.42	43.2	13.01	42.3	12.47	41.9	12.11	40.3	10.84
		259.5	45.4	14.01	44.5	13.42	43.5	13.01	42.6	12.47	42.3	12.11	40.5	10.84
	5	69.2	62.8	14.88	61.4	14.33	59.9	13.96	58.6	13.37	56.3	12.99	53.6	11.63
		86.5	63.0	14.95	61.5	14.40	60.0	14.03	58.6	13.44	56.3	13.06	53.6	11.70
		173.0	63.9	15.22	61.9	14.65	60.0	14.31	58.6	13.72	56.3	13.33	53.6	11.93
		216.3	64.3	15.31	62.1	14.76	60.0	14.41	58.6	13.81	56.3	13.42	53.6	12.01
		259.5	64.5	15.36	62.2	14.81	60.0	14.46	58.6	13.86	56.3	13.47	53.6	12.04
	10	69.2	63.1	13.35	61.6	12.90	59.9	12.61	58.5	12.19	56.2	11.79	53.5	10.60
		86.5	63.4	13.38	61.7	12.93	60.0	12.65	58.6	12.20	56.3	11.77	53.6	10.61
		173.0	64.3	13.47	62.3	13.08	60.3	12.79	59.0	12.27	56.7	11.74	53.8	10.66
		216.3	64.6	13.47	62.6	13.08	60.5	12.76	59.1	12.24	56.8	11.79	54.0	10.77
		259.5	64.8	13.47	62.8	13.08	60.7	12.75	59.1	12.22	56.9	11.82	54.0	10.83
	15	69.2	63.3	11.81	61.6	11.48	59.8	11.29	58.5	11.01	56.2	10.57	53.5	9.58
		86.5	63.5	11.79	61.9	11.48	60.0	11.29	58.6	10.97	56.3	10.49	53.6	9.54
		173.0	64.6	11.72	62.8	11.48	60.7	11.29	59.2	10.81	57.1	10.18	54.2	9.38
		216.3	65.0	11.65	63.0	11.38	61.0	11.13	59.5	10.66	57.2	10.18	54.4	9.54
		259.5	65.2	11.61	63.2	11.33	61.2	11.06	59.6	10.58	57.3	10.18	54.6	9.63
	20	69.2	64.5	10.20	62.7	9.95	60.7	9.70	59.0	9.54	56.9	9.27	53.9	8.67
		86.5	64.8	10.22	63.0	9.95	60.9	9.70	59.2	9.54	57.1	9.23	54.2	8.65
		173.0	66.2	10.29	63.7	9.95	61.6	9.70	60.1	9.54	57.8	9.06	54.9	8.59
		216.3	66.6	10.29	64.3	9.95	61.9	9.70	60.3	9.38	58.1	9.06	55.1	8.59
		259.5	66.8	10.29	64.6	9.95	62.1	9.70	60.5	9.29	58.3	9.06	55.2	8.59
	25	69.2	66.4	9.27	64.5	8.93	61.9	8.79	60.5	8.45	58.5	8.15	55.3	7.47
		86.5	66.6	9.26	64.5	8.90	61.9	8.75	60.5	8.42	58.5	8.11	55.3	7.47
		173.0	67.1	9.20	64.5	8.75	61.9	8.59	60.5	8.27	58.5	7.95	55.3	7.47
		216.3	67.5	9.20	64.5	8.79	61.9	8.42	60.5	8.27	58.5	7.79	55.3	7.32
		259.5	67.7	9.20	64.5	8.80	61.9	8.34	60.5	8.27	58.5	7.72	55.3	7.25
	30	69.2	67.5	8.45	64.5	8.15	61.9	7.84	60.5	7.68	58.5	7.20	55.3	6.72
		86.5	67.5	8.42	64.5	8.11	61.9	7.79	60.5	7.63	58.5	7.16	55.3	6.68
		173.0	67.5	8.27	64.5	7.95	61.9	7.63	60.5	7.47	58.5	6.99	55.3	6.52
		216.3	67.5	8.20	64.5	7.79	61.9	7.47	60.5	7.32	58.5	6.99	55.3	6.52
		259.5	67.5	8.18	64.5	7.72	61.9	7.38	60.5	7.25	58.5	6.99	55.3	6.52
	35	69.2	67.5	8.02	64.5	7.50	61.9	7.20	60.5	6.88	58.5	6.55	55.3	6.07
		86.5	67.5	7.95	64.5	7.47	61.9	7.16	60.5	6.84	58.5	6.52	55.3	6.04
		173.0	67.5	7.63	64.5	7.32	61.9	6.99	60.5	6.68	58.5	6.36	55.3	5.89
		216.3	67.5	7.43	64.5	7.16	61.9	6.84	60.5	6.68	58.5	6.36	55.3	5.89
		259.5	67.5	7.34	64.5	7.07	61.9	6.77	60.5	6.68	58.5	6.36	55.3	5.89

7. Capacity tables

Heating Capacity (18 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	40	69.2	67.5	7.54	64.5	7.23	61.9	6.75	60.5	6.41	58.5	6.07	55.3	5.59
		86.5	67.5	7.47	64.5	7.16	61.9	6.68	60.5	6.36	58.5	6.04	55.3	5.56
		173.0	67.5	7.16	64.5	6.84	61.9	6.36	60.5	6.20	58.5	5.89	55.3	5.41
		216.3	67.5	7.06	64.5	6.68	61.9	6.36	60.5	6.04	58.5	5.72	55.3	5.25
		259.5	67.5	7.00	64.5	6.59	61.9	6.36	60.5	5.95	58.5	5.64	55.3	5.16
	45	69.2	67.5	7.07	64.5	6.97	61.9	6.32	60.5	5.93	58.5	5.59	55.3	5.12
		86.5	67.5	6.99	64.5	6.84	61.9	6.20	60.5	5.89	58.5	5.56	55.3	5.08
		173.0	67.5	6.68	64.5	6.36	61.9	5.72	60.5	5.72	58.5	5.41	55.3	4.93
		216.3	67.5	6.68	64.5	6.20	61.9	5.89	60.5	5.41	58.5	5.08	55.3	4.61
		259.5	67.5	6.68	64.5	6.11	61.9	5.97	60.5	5.25	58.5	4.91	55.3	4.44
100	-5	69.2	22.8	10.13	22.7	9.54	22.5	8.76	22.3	8.38	22.1	8.02	21.7	7.29
		86.5	23.6	10.29	23.4	9.72	23.4	8.95	23.1	8.57	22.9	8.20	22.5	7.45
		173.0	26.7	10.99	26.5	10.45	26.4	9.70	26.1	9.29	25.9	8.90	25.5	8.09
		216.3	29.5	11.70	29.3	11.17	29.1	10.47	28.8	10.04	28.6	9.59	28.1	8.72
		259.5	30.9	12.06	30.6	11.54	30.5	10.84	30.2	10.40	30.0	9.93	29.5	9.04
	0	69.2	40.7	13.85	39.8	13.44	39.0	12.83	38.3	12.29	37.6	11.76	36.4	10.68
		86.5	41.0	13.88	40.1	13.47	39.2	12.86	38.5	12.32	37.8	11.79	36.5	10.70
		173.0	41.9	14.01	41.0	13.60	40.1	13.01	39.4	12.47	38.7	11.93	37.4	10.84
		216.3	42.5	14.01	41.6	13.60	40.8	13.01	40.0	12.47	39.4	11.93	38.0	10.84
		259.5	42.9	14.01	42.0	13.60	41.1	13.01	40.3	12.47	39.6	11.93	38.3	10.84
	5	69.2	60.1	14.88	58.1	14.52	56.7	13.96	55.5	13.37	52.9	12.79	50.4	11.63
		86.5	60.3	14.95	58.2	14.59	56.7	14.03	55.5	13.44	52.9	12.86	50.4	11.70
		173.0	61.2	15.22	58.7	14.85	56.7	14.31	55.5	13.72	52.9	13.13	50.4	11.93
		216.3	61.6	15.31	58.8	14.95	56.7	14.41	55.5	13.81	52.9	13.20	50.4	12.01
		259.5	61.7	15.36	58.9	15.00	56.7	14.46	55.5	13.86	52.9	13.25	50.4	12.04
	10	69.2	60.5	13.31	58.3	13.02	56.7	12.61	55.5	12.19	52.9	11.58	50.4	10.60
		86.5	60.6	13.38	58.4	13.06	56.7	12.65	55.5	12.20	52.9	11.60	50.4	10.61
		173.0	61.2	13.62	58.7	13.22	56.7	12.79	55.5	12.27	52.9	11.65	50.4	10.66
		216.3	61.6	13.57	59.0	13.22	56.7	12.76	55.5	12.24	52.9	11.61	50.4	10.61
		259.5	61.8	13.54	59.1	13.22	56.7	12.75	55.5	12.22	52.9	11.60	50.4	10.58
	15	69.2	60.8	11.74	58.5	11.54	56.7	11.29	55.5	11.01	52.9	10.36	50.4	9.58
		86.5	60.9	11.79	58.6	11.54	56.7	11.29	55.5	10.97	52.9	10.33	50.4	9.54
		173.0	61.2	12.02	58.7	11.58	56.7	11.29	55.5	10.81	52.9	10.18	50.4	9.38
		216.3	61.7	11.83	59.1	11.48	56.7	11.13	55.5	10.66	52.9	10.02	50.4	9.23
		259.5	61.9	11.72	59.2	11.43	56.7	11.06	55.5	10.58	52.9	9.93	50.4	9.15
	20	69.2	61.2	10.04	58.9	9.77	56.7	9.54	55.5	9.41	52.9	8.79	50.4	8.36
		86.5	61.4	10.08	58.9	9.79	56.7	9.54	55.5	9.38	52.9	8.75	50.4	8.27
		173.0	62.3	10.27	59.1	9.82	56.7	9.54	55.5	9.23	52.9	8.59	50.4	7.95
		216.3	62.6	10.08	59.6	9.74	56.7	9.38	55.5	9.06	52.9	8.42	50.4	7.79
		259.5	62.8	9.99	59.9	9.70	56.7	9.29	55.5	8.98	52.9	8.34	50.4	7.72
	25	69.2	61.9	8.77	59.8	8.50	56.7	8.15	55.5	7.84	52.9	7.36	50.4	6.68
		86.5	62.1	8.79	59.8	8.45	56.7	8.11	55.5	7.79	52.9	7.32	50.4	6.68
		173.0	63.0	8.81	59.8	8.27	56.7	7.95	55.5	7.63	52.9	7.16	50.4	6.68
		216.3	63.3	8.61	59.8	8.20	56.7	7.79	55.5	7.47	52.9	7.16	50.4	6.52
		259.5	63.5	8.52	59.8	8.18	56.7	7.72	55.5	7.38	52.9	7.16	50.4	6.43
	30	69.2	63.3	7.98	59.8	7.36	56.7	6.86	55.5	6.72	52.9	6.20	50.4	5.93
		86.5	63.3	7.95	59.8	7.32	56.7	6.84	55.5	6.68	52.9	6.20	50.4	5.89
		173.0	63.3	7.79	59.8	7.16	56.7	6.77	55.5	6.52	52.9	6.20	50.4	5.72
		216.3	63.3	7.63	59.8	7.16	56.7	6.68	55.5	6.52	52.9	6.04	50.4	5.72
		259.5	63.3	7.55	59.8	7.16	56.7	6.63	55.5	6.52	52.9	5.95	50.4	5.72
	35	69.2	63.3	7.40	59.8	6.75	56.7	6.05	55.5	5.93	52.9	5.59	50.4	5.12
		86.5	63.3	7.32	59.8	6.68	56.7	6.04	55.5	5.89	52.9	5.56	50.4	5.08
		173.0	63.3	6.99	59.8	6.36	56.7	5.97	55.5	5.72	52.9	5.41	50.4	4.93
		216.3	63.3	6.99	59.8	6.36	56.7	5.89	55.5	5.72	52.9	5.41	50.4	4.93
		259.5	63.3	6.99	59.8	6.36	56.7	5.84	55.5	5.72	52.9	5.41	50.4	4.93
	40	69.2	63.3	6.93	59.8	6.28	56.7	5.43	55.5	5.29	52.9	4.98	50.4	4.64
		86.5	63.3	6.84	59.8	6.20	56.7	5.41	55.5	5.25	52.9	4.93	50.4	4.61
		173.0	63.3	6.52	59.8	5.89	56.7	5.34	55.5	5.08	52.9	4.77	50.4	4.46
		216.3	63.3	6.36	59.8	5.89	56.7	5.25	55.5	5.08	52.9	4.77	50.4	4.46
		259.5	63.3	6.29	59.8	5.89	56.7	5.20	55.5	5.08	52.9	4.77	50.4	4.46
	45	69.2	63.3	6.45	59.8	5.80	56.7	4.79	55.5	4.64	52.9	4.34	50.4	4.16
		86.5	63.3	6.36	59.8	5.72	56.7	4.77	55.5	4.61	52.9	4.29	50.4	4.13
		173.0	63.3	6.04	59.8	5.41	56.7	4.70	55.5	4.46	52.9	4.13	50.4	3.98
		216.3	63.3	5.72	59.8	5.41	56.7	4.61	55.5	4.46	52.9	4.13	50.4	3.98
		259.5	63.3	5.57	59.8	5.41	56.7	4.56	55.5	4.46	52.9	4.13	50.4	3.98
90	-5	69.2	21.6	9.40	20.9	8.56	20.2	7.52	20.1	7.16	20.0	6.90	19.6	6.20
		86.5	22.3	9.56	21.6	8.72	20.9	7.68	20.7	7.32	20.7	7.06	20.3	6.33
		173.0	25.2	10.20	24.5	9.36	23.7	8.34	23.6	7.95	23.4	7.66	22.9	6.88
		216.3	27.9	10.84	27.0	10.02	26.1	9.00	25.9	8.57	25.8	8.26	25.4	7.42
		259.5	29.2	11.16	28.2	10.35	27.4	9.33	27.2	8.88	27.0	8.56	26.5	7.70
	0	69.2	38.5	12.79	36.7	12.01	35.1	11.02	34.5	10.52	33.9	10.12	32.6	9.09
		86.5	38.7	12.83	36.9	12.04	35.3	11.06	34.7	10.54	34.2	10.15	32.9	9.11
		173.0	39.6	12.97	37.8	12.17	36.0	11.17	35.5	10.66	34.9	10.27	33.7	9.22
		216.3	40.2	12.97	38.3	12.17	36.7	11.17	36.0	10.66	35.5	10.27	34.2	9.22
		259.5	40.5	12.97	38.7	12.17	36.9	11.17	36.3	10.66	35.8	10.27	34.4	9.22
	5	69.2	54.4	13.74	52.6	12.97	50.9	12.00	49.9	11.44	47.7	11.01	45.4	9.88
		86.5	54.4	13.80	52.6	13.03	50.9	12.06	49.9	11.50	47.7	11.07	45.4	9.93
		173.0	54.7	14.04	52.4	13.27	50.9	12.29	49.9	11.72	47.7	11.30	45.4	10.13
		216.3	54.9	14.13	52.6	13.36	50.9	12.38	49.9	11.81	47.7	11.38	45.4	10.22
		259.5	55.1	14.17	52.7	13.40	50.9	12.43	49.9	11.85	47.7	11.42	45.4	10.26

7. Capacity tables

Heating Capacity (18 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	10	69.2	54.7	12.13	52.8	11.54	50.9	10.86	49.9	10.42	47.7	9.99	45.4	9.00
		86.5	54.7	12.13	52.7	11.54	50.9	10.88	49.9	10.43	47.7	9.99	45.4	9.02
		173.0	54.5	12.17	52.5	11.60	50.9	10.92	49.9	10.47	47.7	9.95	45.4	9.04
		216.3	54.9	12.13	52.6	11.56	50.9	10.88	49.9	10.45	47.7	9.99	45.4	9.08
		259.5	55.1	12.13	52.7	11.54	50.9	10.88	49.9	10.43	47.7	10.00	45.4	9.09
	15	69.2	54.9	10.50	53.0	10.13	50.9	9.75	49.9	9.41	47.7	8.98	45.4	8.15
		86.5	54.9	10.47	52.9	10.08	50.9	9.70	49.9	9.38	47.7	8.90	45.4	8.11
		173.0	54.5	10.29	52.5	9.92	50.9	9.54	49.9	9.23	47.7	8.59	45.4	7.95
		216.3	54.9	10.15	52.7	9.77	50.9	9.38	49.9	9.06	47.7	8.59	45.4	7.95
		259.5	55.1	10.08	52.8	9.70	50.9	9.29	49.9	8.98	47.7	8.59	45.4	7.95
	20	69.2	55.3	8.86	53.3	8.61	50.9	8.31	49.9	7.98	47.7	7.71	45.4	7.23
		86.5	55.2	8.86	53.1	8.59	50.9	8.27	49.9	7.95	47.7	7.63	45.4	7.16
		173.0	55.0	8.86	52.7	8.49	50.9	8.11	49.9	7.79	47.7	7.32	45.4	6.84
		216.3	55.2	8.72	52.9	8.42	50.9	8.11	49.9	7.79	47.7	7.32	45.4	6.84
		259.5	55.3	8.65	52.9	8.39	50.9	8.11	49.9	7.79	47.7	7.32	45.4	6.84
	25	69.2	56.2	7.75	53.9	7.34	50.9	7.02	49.9	6.68	47.7	6.41	45.4	5.93
		86.5	56.3	7.73	53.9	7.32	50.9	6.99	49.9	6.68	47.7	6.36	45.4	5.89
		173.0	56.9	7.66	53.9	7.25	50.9	6.84	49.9	6.68	47.7	6.20	45.4	5.72
		216.3	57.1	7.47	53.9	7.09	50.9	6.84	49.9	6.52	47.7	6.20	45.4	5.72
		259.5	57.2	7.36	53.9	7.00	50.9	6.84	49.9	6.43	47.7	6.20	45.4	5.72
	30	69.2	57.1	7.02	53.9	6.55	50.9	6.07	49.9	5.93	47.7	5.59	45.4	5.08
		86.5	57.1	6.99	53.9	6.52	50.9	6.04	49.9	5.89	47.7	5.56	45.4	5.08
		173.0	57.1	6.84	53.9	6.36	50.9	5.89	49.9	5.72	47.7	5.41	45.4	5.08
		216.3	57.1	6.68	53.9	6.20	50.9	5.89	49.9	5.72	47.7	5.41	45.4	4.93
		259.5	57.1	6.59	53.9	6.11	50.9	5.89	49.9	5.72	47.7	5.41	45.4	4.86
	35	69.2	57.1	6.41	53.9	5.93	50.9	5.45	49.9	5.29	47.7	4.98	45.4	4.64
		86.5	57.1	6.36	53.9	5.89	50.9	5.41	49.9	5.25	47.7	4.93	45.4	4.61
		173.0	57.1	6.20	53.9	5.72	50.9	5.25	49.9	5.08	47.7	4.77	45.4	4.46
		216.3	57.1	6.04	53.9	5.56	50.9	5.08	49.9	4.93	47.7	4.77	45.4	4.46
		259.5	57.1	5.95	53.9	5.48	50.9	5.00	49.9	4.86	47.7	4.77	45.4	4.46
	40	69.2	57.1	5.97	53.9	5.45	50.9	4.81	49.9	4.64	47.7	4.50	45.4	4.16
		86.5	57.1	5.89	53.9	5.41	50.9	4.77	49.9	4.61	47.7	4.46	45.4	4.13
		173.0	57.1	5.56	53.9	5.25	50.9	4.61	49.9	4.46	47.7	4.29	45.4	3.98
		216.3	57.1	5.56	53.9	5.25	50.9	4.61	49.9	4.46	47.7	4.29	45.4	3.98
		259.5	57.1	5.56	53.9	5.25	50.9	4.61	49.9	4.46	47.7	4.29	45.4	3.98
	45	69.2	57.1	5.54	53.9	4.98	50.9	4.16	49.9	4.02	47.7	4.02	45.4	3.68
		86.5	57.1	5.41	53.9	4.93	50.9	4.13	49.9	3.98	47.7	3.98	45.4	3.65
		173.0	57.1	4.93	53.9	4.77	50.9	3.98	49.9	3.82	47.7	3.82	45.4	3.50
		216.3	57.1	5.08	53.9	4.93	50.9	4.13	49.9	3.98	47.7	3.82	45.4	3.50
		259.5	57.1	5.16	53.9	5.02	50.9	4.20	49.9	4.06	47.7	3.82	45.4	3.50
80	-5	69.2	20.3	6.70	19.1	6.43	18.0	6.16	17.8	5.95	17.8	5.68	17.4	5.23
		86.5	21.1	6.84	19.8	6.58	18.7	6.30	18.5	6.09	18.4	5.81	18.0	5.34
		173.0	23.8	7.43	22.3	7.14	21.1	6.83	20.9	6.59	20.7	6.30	20.3	5.79
		216.3	26.3	8.01	24.6	7.70	23.4	7.36	23.0	7.13	22.9	6.79	22.5	6.25
		259.5	27.6	8.30	25.8	7.98	24.5	7.64	24.1	7.39	24.1	7.04	23.6	6.48
	0	69.2	36.3	9.82	33.5	9.43	31.2	9.04	30.6	8.72	30.2	8.31	29.0	7.66
		86.5	36.5	9.85	33.7	9.45	31.3	9.06	30.8	8.75	30.4	8.34	29.2	7.68
		173.0	37.4	9.97	34.5	9.57	32.1	9.16	31.5	8.85	31.1	8.43	29.9	7.77
		216.3	38.0	9.97	35.1	9.57	32.6	9.16	32.0	8.85	31.6	8.43	30.4	7.77
		259.5	38.2	9.97	35.3	9.57	32.9	9.16	32.2	8.85	31.8	8.43	30.6	7.77
	5	69.2	50.2	10.68	47.4	10.28	45.4	9.81	44.3	9.49	42.5	9.05	40.3	8.33
		86.5	50.4	10.74	47.5	10.33	45.4	9.86	44.3	9.54	42.5	9.09	40.3	8.38
		173.0	50.8	10.97	47.9	10.52	45.4	10.08	44.3	9.74	42.5	9.27	40.3	8.56
		216.3	50.8	11.04	47.9	10.61	45.4	10.15	44.3	9.81	42.5	9.34	40.3	8.61
		259.5	50.8	11.07	47.8	10.65	45.4	10.18	44.3	9.84	42.5	9.38	40.3	8.63
	10	69.2	50.6	9.83	47.7	9.38	45.4	8.91	44.3	8.66	42.5	8.20	40.3	7.59
		86.5	50.6	9.82	47.7	9.38	45.4	8.91	44.3	8.67	42.5	8.20	40.3	7.60
		173.0	50.8	9.77	47.9	9.33	45.4	8.93	44.3	8.68	42.5	8.22	40.3	7.61
		216.3	50.8	9.74	47.9	9.36	45.4	8.97	44.3	8.63	42.5	8.18	40.3	7.57
		259.5	50.8	9.72	47.8	9.38	45.4	8.98	44.3	8.61	42.5	8.15	40.3	7.54
	15	69.2	50.8	8.98	47.9	8.50	45.4	7.98	44.3	7.84	42.5	7.36	40.3	6.88
		86.5	50.8	8.90	47.9	8.42	45.4	7.95	44.3	7.79	42.5	7.32	40.3	6.84
		173.0	50.8	8.59	47.9	8.11	45.4	7.79	44.3	7.63	42.5	7.16	40.3	6.68
		216.3	50.8	8.42	47.9	8.11	45.4	7.79	44.3	7.47	42.5	6.99	40.3	6.52
		259.5	50.8	8.34	47.9	8.11	45.4	7.79	44.3	7.38	42.5	6.91	40.3	6.43
	20	69.2	50.8	7.50	47.9	7.20	45.4	6.84	44.3	6.72	42.5	6.41	40.3	5.93
		86.5	50.8	7.47	47.9	7.16	45.4	6.84	44.3	6.68	42.5	6.36	40.3	5.89
		173.0	50.8	7.32	47.9	6.99	45.4	6.84	44.3	6.52	42.5	6.20	40.3	5.72
		216.3	50.8	7.16	47.9	6.84	45.4	6.68	44.3	6.52	42.5	6.04	40.3	5.72
		259.5	50.8	7.07	47.9	6.77	45.4	6.59	44.3	6.52	42.5	5.95	40.3	5.72
	25	69.2	50.8	6.72	47.9	6.24	45.4	5.89	44.3	5.77	42.5	5.45	40.3	5.12
		86.5	50.8	6.68	47.9	6.20	45.4	5.89	44.3	5.72	42.5	5.41	40.3	5.08
		173.0	50.8	6.52	47.9	6.04	45.4	5.89	44.3	5.56	42.5	5.25	40.3	4.93
		216.3	50.8	6.36	47.9	6.04	45.4	5.72	44.3	5.56	42.5	5.25	40.3	4.93
		259.5	50.8	6.29	47.9	6.04	45.4	5.64	44.3	5.56	42.5	5.25	40.3	4.93
	30	69.2	50.8	5.93	47.9	5.59	45.4	5.29	44.3	5.12	42.5	4.81	40.3	4.50
		86.5	50.8	5.89	47.9	5.56	45.4	5.25	44.3	5.08	42.5	4.77	40.3	4.46
		173.0	50.8	5.72	47.9	5.41	45.4	5.08	44.3	4.93	42.5	4.61	40.3	4.29
		216.3	50.8	5.72	47.9	5.41	45.4	5.08	44.3	4.93	42.5	4.61	40.3	4.29
		259.5	50.8	5.72	47.9	5.41	45.4	5.08	44.3	4.93	42.5	4.61	40.3	4.29

7. Capacity tables

Heating Capacity (18 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	35	69.2	50.8	5.45	47.9	5.12	45.4	4.64	44.3	4.46	42.5	4.34	40.3	3.98
		86.5	50.8	5.41	47.9	5.08	45.4	4.61	44.3	4.46	42.5	4.29	40.3	3.98
		173.0	50.8	5.25	47.9	4.93	45.4	4.46	44.3	4.46	42.5	4.13	40.3	3.98
		216.3	50.8	5.25	47.9	4.77	45.4	4.46	44.3	4.29	42.5	4.13	40.3	3.82
		259.5	50.8	5.25	47.9	4.68	45.4	4.46	44.3	4.21	42.5	4.13	40.3	3.73
	40	69.2	50.8	5.16	47.9	4.64	45.4	4.13	44.3	4.16	42.5	3.82	40.3	3.68
		86.5	50.8	5.08	47.9	4.61	45.4	4.13	44.3	4.13	42.5	3.82	40.3	3.65
		173.0	50.8	4.77	47.9	4.46	45.4	4.13	44.3	3.98	42.5	3.82	40.3	3.50
		216.3	50.8	4.77	47.9	4.46	45.4	3.98	44.3	3.98	42.5	3.82	40.3	3.50
		259.5	50.8	4.77	47.9	4.46	45.4	3.91	44.3	3.98	42.5	3.82	40.3	3.50
	45	69.2	50.8	4.89	47.9	4.16	45.4	3.61	44.3	3.89	42.5	3.30	40.3	3.41
		86.5	50.8	4.77	47.9	4.13	45.4	3.65	44.3	3.82	42.5	3.34	40.3	3.34
		173.0	50.8	4.29	47.9	3.98	45.4	3.82	44.3	3.50	42.5	3.50	40.3	3.02
		216.3	50.8	4.29	47.9	4.13	45.4	3.50	44.3	3.65	42.5	3.50	40.3	3.18
		259.5	50.8	4.29	47.9	4.20	45.4	3.34	44.3	3.73	42.5	3.50	40.3	3.25
70	-5	69.2	17.8	5.75	16.7	5.47	15.8	5.29	15.6	4.99	15.5	4.81	15.3	4.38
		86.5	18.4	5.88	17.3	5.59	16.3	5.41	16.2	5.09	16.0	4.92	15.8	4.47
		173.0	20.7	6.36	19.5	6.07	18.4	5.88	18.2	5.52	18.2	5.33	17.8	4.86
		216.3	23.0	6.88	21.6	6.54	20.3	6.33	20.2	5.95	20.0	5.75	19.6	5.23
		259.5	24.1	7.13	22.6	6.79	21.4	6.56	21.2	6.17	21.0	5.97	20.6	5.42
	0	69.2	31.8	8.41	29.4	8.02	27.2	7.75	26.8	7.30	26.4	7.05	25.4	6.41
		86.5	32.0	8.43	29.5	8.04	27.4	7.78	27.0	7.32	26.5	7.07	25.6	6.43
		173.0	32.7	8.54	30.2	8.13	28.1	7.88	27.6	7.40	27.2	7.16	26.1	6.50
		216.3	33.1	8.54	30.7	8.13	28.5	7.88	28.0	7.40	27.6	7.16	26.6	6.50
		259.5	33.5	8.54	30.9	8.13	28.7	7.88	28.2	7.40	27.8	7.16	26.8	6.50
	5	69.2	43.9	9.17	41.6	8.72	39.6	8.45	38.7	7.95	37.1	7.67	35.3	6.97
		86.5	44.0	9.22	41.6	8.77	39.6	8.49	38.7	7.99	37.1	7.72	35.3	7.00
		173.0	44.3	9.39	42.0	8.95	39.6	8.67	38.7	8.14	37.1	7.88	35.3	7.16
		216.3	44.3	9.45	41.9	9.02	39.6	8.74	38.7	8.20	37.1	7.93	35.3	7.20
		259.5	44.3	9.49	41.9	9.04	39.6	8.77	38.7	8.24	37.1	7.95	35.3	7.23
	10	69.2	44.1	8.43	41.7	7.98	39.6	7.68	38.7	7.25	37.1	6.95	35.3	6.36
		86.5	44.1	8.42	41.8	7.96	39.6	7.66	38.7	7.25	37.1	6.95	35.3	6.36
		173.0	44.3	8.36	41.9	7.90	39.6	7.60	38.7	7.25	37.1	6.95	35.3	6.36
		216.3	44.3	8.39	41.9	7.93	39.6	7.63	38.7	7.29	37.1	6.91	35.3	6.38
		259.5	44.3	8.40	41.9	7.95	39.6	7.65	38.7	7.31	37.1	6.88	35.3	6.39
	15	69.2	44.3	7.71	41.9	7.23	39.6	6.93	38.7	6.55	37.1	6.24	35.3	5.77
		86.5	44.3	7.63	41.9	7.16	39.6	6.84	38.7	6.52	37.1	6.20	35.3	5.72
		173.0	44.3	7.32	41.9	6.84	39.6	6.52	38.7	6.36	37.1	6.04	35.3	5.56
		216.3	44.3	7.32	41.9	6.84	39.6	6.52	38.7	6.36	37.1	5.89	35.3	5.56
		259.5	44.3	7.32	41.9	6.84	39.6	6.52	38.7	6.36	37.1	5.81	35.3	5.56
	20	69.2	44.3	6.41	41.9	6.07	39.6	5.93	38.7	5.77	37.1	5.45	35.3	5.12
		86.5	44.3	6.36	41.9	6.04	39.6	5.89	38.7	5.72	37.1	5.41	35.3	5.08
		173.0	44.3	6.20	41.9	5.89	39.6	5.72	38.7	5.56	37.1	5.25	35.3	4.93
		216.3	44.3	6.20	41.9	5.89	39.6	5.72	38.7	5.41	37.1	5.25	35.3	4.77
		259.5	44.3	6.20	41.9	5.89	39.6	5.72	38.7	5.34	37.1	5.25	35.3	4.68
	25	69.2	44.3	5.77	41.9	5.45	39.6	5.12	38.7	4.98	37.1	4.61	35.3	4.29
		86.5	44.3	5.72	41.9	5.41	39.6	5.08	38.7	4.93	37.1	4.61	35.3	4.29
		173.0	44.3	5.56	41.9	5.25	39.6	4.93	38.7	4.77	37.1	4.61	35.3	4.29
		216.3	44.3	5.41	41.9	5.08	39.6	4.93	38.7	4.77	37.1	4.46	35.3	4.29
		259.5	44.3	5.34	41.9	5.00	39.6	4.93	38.7	4.77	37.1	4.38	35.3	4.29
	30	69.2	44.3	5.12	41.9	4.81	39.6	4.50	38.7	4.29	37.1	4.16	35.3	3.82
		86.5	44.3	5.08	41.9	4.77	39.6	4.46	38.7	4.29	37.1	4.13	35.3	3.82
		173.0	44.3	4.93	41.9	4.61	39.6	4.29	38.7	4.29	37.1	3.98	35.3	3.82
		216.3	44.3	4.93	41.9	4.61	39.6	4.29	38.7	4.13	37.1	3.98	35.3	3.82
		259.5	44.3	4.93	41.9	4.61	39.6	4.29	38.7	4.04	37.1	3.98	35.3	3.82
	35	69.2	44.3	4.64	41.9	4.34	39.6	3.98	38.7	4.02	37.1	3.65	35.3	3.54
		86.5	44.3	4.61	41.9	4.29	39.6	3.98	38.7	3.98	37.1	3.65	35.3	3.50
		173.0	44.3	4.46	41.9	4.13	39.6	3.98	38.7	3.82	37.1	3.65	35.3	3.34
		216.3	44.3	4.46	41.9	4.13	39.6	3.82	38.7	3.82	37.1	3.65	35.3	3.34
		259.5	44.3	4.46	41.9	4.13	39.6	3.73	38.7	3.82	37.1	3.65	35.3	3.34
	40	69.2	44.3	4.34	41.9	4.02	39.6	3.68	38.7	3.50	37.1	3.34	35.3	3.21
		86.5	44.3	4.29	41.9	3.98	39.6	3.65	38.7	3.50	37.1	3.34	35.3	3.18
		173.0	44.3	4.13	41.9	3.82	39.6	3.50	38.7	3.50	37.1	3.34	35.3	3.02
		216.3	44.3	4.13	41.9	3.82	39.6	3.50	38.7	3.34	37.1	3.18	35.3	3.02
		259.5	44.3	4.13	41.9	3.82	39.6	3.50	38.7	3.25	37.1	3.09	35.3	3.02
	45	69.2	44.3	4.02	41.9	3.68	39.6	3.41	38.7	2.99	37.1	3.02	35.3	2.91
		86.5	44.3	3.98	41.9	3.65	39.6	3.34	38.7	3.02	37.1	3.02	35.3	2.86
		173.0	44.3	3.82	41.9	3.50	39.6	3.02	38.7	3.18	37.1	3.02	35.3	2.70
		216.3	44.3	3.82	41.9	3.50	39.6	3.18	38.7	2.86	37.1	2.70	35.3	2.70
		259.5	44.3	3.82	41.9	3.50	39.6	3.25	38.7	2.70	37.1	2.53	35.3	2.70
60	-5	69.2	15.3	4.66	14.2	4.49	13.5	4.31	13.3	4.00	13.3	3.95	13.0	3.52
		86.5	15.8	4.77	14.8	4.59	14.0	4.41	13.8	4.09	13.7	4.03	13.5	3.61
		173.0	17.8	5.18	16.7	4.98	15.8	4.79	15.7	4.45	15.6	4.38	15.3	3.91
		216.3	19.8	5.57	18.5	5.38	17.5	5.16	17.3	4.80	17.3	4.72	16.9	4.21
		259.5	20.7	5.77	19.3	5.58	18.4	5.36	18.2	4.98	18.0	4.89	17.7	4.36
	0	69.2	27.2	6.84	25.2	6.59	23.4	6.31	23.0	5.88	22.7	5.79	21.8	5.17
		86.5	27.4	6.86	25.2	6.61	23.6	6.33	23.1	5.89	22.8	5.81	22.0	5.18
		173.0	28.1	6.95	25.9	6.68	24.1	6.41	23.6	5.95	23.4	5.88	22.5	5.23
		216.3	28.5	6.95	26.3	6.68	24.5	6.41	24.0	5.95	23.7	5.88	22.8	5.23
		259.5	28.7	6.95	26.5	6.68	24.7	6.41	24.1	5.95	23.9	5.88	23.0	5.23

7. Capacity tables

Heating Capacity (18 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	5	69.2	37.6	7.45	35.5	7.17	34.0	6.87	33.3	6.40	31.8	6.30	30.3	5.61
		86.5	37.8	7.48	35.6	7.20	34.0	6.91	33.3	6.43	31.8	6.33	30.3	5.64
		173.0	38.1	7.63	35.8	7.36	34.0	7.06	33.3	6.56	31.8	6.47	30.3	5.75
		216.3	38.1	7.70	35.8	7.40	34.0	7.11	33.3	6.61	31.8	6.50	30.3	5.81
		259.5	38.1	7.73	35.8	7.43	34.0	7.13	33.3	6.64	31.8	6.52	30.3	5.83
	10	69.2	37.8	6.84	35.7	6.54	34.0	6.23	33.3	5.82	31.8	5.71	30.3	5.12
		86.5	38.0	6.84	35.7	6.54	34.0	6.23	33.3	5.84	31.8	5.70	30.3	5.13
		173.0	38.1	6.84	35.8	6.54	34.0	6.23	33.3	5.91	31.8	5.70	30.3	5.18
		216.3	38.1	6.86	35.8	6.48	34.0	6.17	33.3	5.84	31.8	5.64	30.3	5.13
		259.5	38.1	6.86	35.8	6.45	34.0	6.13	33.3	5.81	31.8	5.61	30.3	5.11
	15	69.2	38.1	6.24	35.8	5.93	34.0	5.59	33.3	5.25	31.8	5.12	30.3	4.61
		86.5	38.1	6.20	35.8	5.89	34.0	5.56	33.3	5.25	31.8	5.08	30.3	4.61
		173.0	38.1	6.04	35.8	5.72	34.0	5.41	33.3	5.25	31.8	4.93	30.3	4.61
		216.3	38.1	6.04	35.8	5.56	34.0	5.25	33.3	5.08	31.8	4.77	30.3	4.46
		259.5	38.1	6.04	35.8	5.48	34.0	5.16	33.3	5.00	31.8	4.68	30.3	4.38
	20	69.2	38.1	5.45	35.8	5.12	34.0	4.81	33.3	4.64	31.8	4.50	30.3	4.16
		86.5	38.1	5.41	35.8	5.08	34.0	4.77	33.3	4.61	31.8	4.46	30.3	4.13
		173.0	38.1	5.25	35.8	4.93	34.0	4.61	33.3	4.46	31.8	4.29	30.3	3.98
		216.3	38.1	5.25	35.8	4.93	34.0	4.61	33.3	4.46	31.8	4.29	30.3	3.98
		259.5	38.1	5.25	35.8	4.93	34.0	4.61	33.3	4.46	31.8	4.29	30.3	3.98
	25	69.2	38.1	4.81	35.8	4.50	34.0	4.13	33.3	4.16	31.8	3.82	30.3	3.68
		86.5	38.1	4.77	35.8	4.46	34.0	4.13	33.3	4.13	31.8	3.82	30.3	3.65
		173.0	38.1	4.61	35.8	4.29	34.0	4.13	33.3	3.98	31.8	3.82	30.3	3.50
		216.3	38.1	4.61	35.8	4.29	34.0	3.98	33.3	3.98	31.8	3.82	30.3	3.50
		259.5	38.1	4.61	35.8	4.29	34.0	3.91	33.3	3.98	31.8	3.82	30.3	3.50
	30	69.2	38.1	4.34	35.8	4.02	34.0	3.86	33.3	3.68	31.8	3.54	30.3	3.38
		86.5	38.1	4.29	35.8	3.98	34.0	3.82	33.3	3.65	31.8	3.50	30.3	3.34
		173.0	38.1	4.13	35.8	3.82	34.0	3.65	33.3	3.50	31.8	3.34	30.3	3.18
		216.3	38.1	4.13	35.8	3.82	34.0	3.65	33.3	3.50	31.8	3.34	30.3	3.18
		259.5	38.1	4.13	35.8	3.82	34.0	3.65	33.3	3.50	31.8	3.34	30.3	3.18
	35	69.2	38.1	3.82	35.8	3.68	34.0	3.34	33.3	3.38	31.8	3.21	30.3	3.07
		86.5	38.1	3.82	35.8	3.65	34.0	3.34	33.3	3.34	31.8	3.18	30.3	3.02
		173.0	38.1	3.82	35.8	3.50	34.0	3.34	33.3	3.18	31.8	3.02	30.3	2.86
		216.3	38.1	3.82	35.8	3.50	34.0	3.18	33.3	3.18	31.8	3.02	30.3	2.86
		259.5	38.1	3.82	35.8	3.50	34.0	3.09	33.3	3.18	31.8	3.02	30.3	2.86
	40	69.2	38.1	3.50	35.8	3.38	34.0	3.02	33.3	3.07	31.8	2.91	30.3	2.70
		86.5	38.1	3.50	35.8	3.34	34.0	3.02	33.3	3.02	31.8	2.86	30.3	2.70
		173.0	38.1	3.50	35.8	3.18	34.0	3.02	33.3	2.86	31.8	2.70	30.3	2.70
		216.3	38.1	3.50	35.8	3.18	34.0	3.02	33.3	2.86	31.8	2.70	30.3	2.70
		259.5	38.1	3.50	35.8	3.18	34.0	3.02	33.3	2.86	31.8	2.70	30.3	2.70
	45	69.2	38.1	3.18	35.8	3.07	34.0	2.70	33.3	2.73	31.8	2.59	30.3	2.34
		86.5	38.1	3.18	35.8	3.02	34.0	2.70	33.3	2.70	31.8	2.55	30.3	2.39
		173.0	38.1	3.18	35.8	2.86	34.0	2.70	33.3	2.55	31.8	2.39	30.3	2.55
		216.3	38.1	3.18	35.8	2.86	34.0	2.86	33.3	2.55	31.8	2.39	30.3	2.55
		259.5	38.1	3.18	35.8	2.86	34.0	2.95	33.3	2.55	31.8	2.39	30.3	2.55
50	-5	69.2	12.7	3.72	11.9	3.52	11.3	3.34	11.1	3.16	11.0	2.96	10.8	2.80
		86.5	13.1	3.80	12.4	3.61	11.7	3.41	11.5	3.22	11.5	3.02	11.2	2.86
		173.0	14.8	4.11	13.9	3.91	13.2	3.68	13.0	3.50	13.0	3.29	12.7	3.09
		216.3	16.4	4.45	15.4	4.21	14.6	3.98	14.4	3.79	14.3	3.54	14.1	3.34
		259.5	17.2	4.61	16.2	4.36	15.3	4.13	15.1	3.93	14.9	3.66	14.8	3.46
	0	69.2	22.7	5.45	21.0	5.17	19.5	4.87	19.1	4.62	18.9	4.34	18.2	4.09
		86.5	22.8	5.46	21.1	5.18	19.6	4.88	19.2	4.64	18.9	4.36	18.2	4.11
		173.0	23.4	5.51	21.6	5.23	20.1	4.95	19.6	4.70	19.4	4.41	18.7	4.16
		216.3	23.7	5.51	21.9	5.23	20.3	4.95	20.0	4.70	19.6	4.41	18.9	4.16
		259.5	23.9	5.51	22.0	5.23	20.5	4.95	20.2	4.70	19.8	4.41	19.1	4.16
	5	69.2	31.3	5.93	29.7	5.61	28.3	5.30	27.7	5.04	26.4	4.73	25.2	4.45
		86.5	31.3	5.95	29.7	5.64	28.3	5.33	27.7	5.07	26.4	4.75	25.2	4.47
		173.0	31.7	6.07	29.9	5.75	28.4	5.45	27.7	5.16	26.4	4.84	25.2	4.57
		216.3	31.7	6.11	29.9	5.81	28.4	5.48	27.7	5.20	26.4	4.88	25.2	4.61
		259.5	31.7	6.14	29.9	5.83	28.4	5.50	27.7	5.22	26.4	4.91	25.2	4.62
	10	69.2	31.5	5.45	29.7	5.13	28.3	4.83	27.7	4.61	26.4	4.27	25.2	4.07
		86.5	31.5	5.45	29.8	5.13	28.3	4.82	27.7	4.61	26.4	4.27	25.2	4.06
		173.0	31.7	5.41	29.9	5.11	28.4	4.79	27.7	4.57	26.4	4.32	25.2	4.03
		216.3	31.7	5.45	29.9	5.13	28.4	4.80	27.7	4.59	26.4	4.26	25.2	4.04
		259.5	31.7	5.46	29.9	5.14	28.4	4.81	27.7	4.59	26.4	4.23	25.2	4.06
	15	69.2	31.7	4.98	29.9	4.64	28.4	4.34	27.7	4.16	26.4	3.82	25.2	3.68
		86.5	31.7	4.93	29.9	4.61	28.4	4.29	27.7	4.13	26.4	3.82	25.2	3.65
		173.0	31.7	4.77	29.9	4.46	28.4	4.13	27.7	3.98	26.4	3.82	25.2	3.50
		216.3	31.7	4.77	29.9	4.46	28.4	4.13	27.7	3.98	26.4	3.65	25.2	3.50
		259.5	31.7	4.77	29.9	4.46	28.4	4.13	27.7	3.98	26.4	3.57	25.2	3.50
	20	69.2	31.7	4.34	29.9	4.02	28.4	3.86	27.7	3.68	26.4	3.54	25.2	3.18
		86.5	31.7	4.29	29.9	3.98	28.4	3.82	27.7	3.65	26.4	3.50	25.2	3.18
		173.0	31.7	4.13	29.9	3.82	28.4	3.65	27.7	3.50	26.4	3.34	25.2	3.18
		216.3	31.7	4.13	29.9	3.82	28.4	3.65	27.7	3.50	26.4	3.34	25.2	3.18
		259.5	31.7	4.13	29.9	3.82	28.4	3.65	27.7	3.50	26.4	3.34	25.2	3.18
	25	69.2	31.7	3.86	29.9	3.50	28.4	3.38	27.7	3.18	26.4	3.02	25.2	2.86
		86.5	31.7	3.82	29.9	3.50	28.4	3.34	27.7	3.18	26.4	3.02	25.2	2.86
		173.0	31.7	3.65	29.9	3.50	28.4	3.18	27.7	3.18	26.4	3.02	25.2	2.86
		216.3	31.7	3.65	29.9	3.50	28.4	3.18	27.7	3.18	26.4	3.02	25.2	2.86
		259.5	31.7	3.65	29.9	3.50	28.4	3.18	27.7	3.18	26.4	3.02	25.2	2.86

7. Capacity tables

Heating Capacity (18 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	30	69.2	31.7	3.54	29.9	3.21	28.4	3.07	27.7	2.86	26.4	2.91	25.2	2.73
		86.5	31.7	3.50	29.9	3.18	28.4	3.02	27.7	2.86	26.4	2.86	25.2	2.70
		173.0	31.7	3.34	29.9	3.02	28.4	2.86	27.7	2.86	26.4	2.70	25.2	2.55
		216.3	31.7	3.34	29.9	3.02	28.4	2.86	27.7	2.86	26.4	2.70	25.2	2.55
		259.5	31.7	3.34	29.9	3.02	28.4	2.86	27.7	2.86	26.4	2.70	25.2	2.55
	35	69.2	31.7	3.21	29.9	2.86	28.4	2.70	27.7	2.73	26.4	2.55	25.2	2.39
		86.5	31.7	3.18	29.9	2.86	28.4	2.70	27.7	2.70	26.4	2.55	25.2	2.39
		173.0	31.7	3.02	29.9	2.86	28.4	2.70	27.7	2.55	26.4	2.55	25.2	2.39
		216.3	31.7	3.02	29.9	2.86	28.4	2.70	27.7	2.55	26.4	2.55	25.2	2.39
		259.5	31.7	3.02	29.9	2.86	28.4	2.70	27.7	2.55	26.4	2.55	25.2	2.39
	40	69.2	31.7	2.91	29.9	2.73	28.4	2.59	27.7	2.39	26.4	2.43	25.2	2.22
		86.5	31.7	2.86	29.9	2.70	28.4	2.55	27.7	2.39	26.4	2.39	25.2	2.22
		173.0	31.7	2.70	29.9	2.55	28.4	2.39	27.7	2.39	26.4	2.22	25.2	2.22
		216.3	31.7	2.70	29.9	2.55	28.4	2.39	27.7	2.39	26.4	2.22	25.2	2.22
		259.5	31.7	2.70	29.9	2.55	28.4	2.39	27.7	2.39	26.4	2.22	25.2	2.22
	45	69.2	31.7	2.59	29.9	2.63	28.4	2.46	27.7	2.04	26.4	2.30	25.2	2.07
		86.5	31.7	2.55	29.9	2.55	28.4	2.39	27.7	2.07	26.4	2.22	25.2	2.07
		173.0	31.7	2.39	29.9	2.22	28.4	2.07	27.7	2.22	26.4	1.91	25.2	2.07
		216.3	31.7	2.39	29.9	2.22	28.4	2.07	27.7	2.22	26.4	1.91	25.2	2.07
		259.5	31.7	2.39	29.9	2.22	28.4	2.07	27.7	2.22	26.4	1.91	25.2	2.07

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB220LSA4

Heating Capacity (22 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	84.8	32.8	12.96	32.5	12.20	32.4	11.36	31.9	11.02	32.2	10.73	31.4	9.62
		106.0	33.9	13.19	33.6	12.43	33.5	11.60	33.0	11.26	33.4	10.96	32.5	9.83
		212.0	38.3	14.08	38.0	13.37	37.9	12.58	37.4	12.22	37.7	11.88	36.8	10.66
		265.1	42.4	14.97	42.0	14.29	41.8	13.57	41.3	13.20	41.8	12.82	40.7	11.49
		318.0	44.5	15.43	44.0	14.75	43.7	14.06	43.2	13.70	43.8	13.29	42.6	11.92
	0	84.8	58.6	17.72	57.2	17.19	56.0	16.63	54.8	16.16	55.0	15.72	52.5	14.08
		106.0	58.9	17.76	57.5	17.23	56.4	16.68	55.1	16.21	55.3	15.76	52.8	14.12
		212.0	60.3	17.96	58.9	17.40	57.7	16.87	56.4	16.40	56.6	15.93	54.1	14.29
		265.1	61.3	17.96	59.7	17.40	58.5	16.87	57.2	16.40	57.5	15.93	54.8	14.29
		318.0	61.7	17.96	60.2	17.40	59.0	16.87	57.7	16.40	57.8	15.93	55.3	14.29
	5	84.8	84.4	19.05	83.1	18.58	81.4	18.11	79.3	17.59	77.2	17.11	72.9	15.32
		106.0	84.7	19.14	83.3	18.67	81.4	18.20	79.3	17.68	77.2	17.19	72.9	15.40
		212.0	85.8	19.47	83.8	19.00	81.4	18.56	79.3	18.05	77.2	17.53	72.9	15.72
		265.1	86.3	19.60	84.1	19.14	81.4	18.68	79.3	18.17	77.2	17.66	72.9	15.82
		318.0	86.6	19.67	84.2	19.20	81.4	18.75	79.3	18.23	77.2	17.73	72.9	15.88
	10	84.8	84.4	17.33	83.1	16.75	81.1	16.43	79.0	16.06	76.9	15.52	72.6	14.00
		106.0	85.0	17.29	83.5	16.76	81.4	16.46	79.3	16.06	77.2	15.50	72.9	13.99
		212.0	86.9	17.17	85.0	16.82	82.7	16.59	80.6	16.04	78.3	15.46	74.0	13.95
		265.1	87.4	17.40	85.6	17.06	83.3	16.66	80.9	16.11	78.9	15.72	74.5	14.61
		318.0	87.7	17.52	85.9	17.18	83.5	16.69	81.1	16.14	79.1	15.85	74.8	14.94
	15	84.8	84.6	15.62	83.1	14.95	80.8	14.79	78.6	14.55	76.5	13.93	72.3	12.69
		106.0	85.3	15.46	83.8	14.88	81.4	14.76	79.3	14.44	77.2	13.82	72.9	12.58
		212.0	88.0	14.84	86.3	14.63	84.0	14.63	81.9	14.01	79.5	13.40	75.3	12.16
		265.1	88.5	15.20	87.1	14.97	85.0	14.63	82.7	14.01	80.6	13.78	76.1	13.40
		318.0	88.8	15.39	87.5	15.14	85.5	14.63	83.1	14.01	81.1	13.97	76.6	14.02
	20	84.8	87.8	14.32	86.2	13.66	83.9	13.37	81.6	12.93	79.2	12.64	74.5	12.26
		106.0	88.5	14.23	86.9	13.65	84.6	13.35	82.2	12.99	80.0	12.73	75.3	12.16
		212.0	91.3	13.82	89.7	13.61	87.2	13.31	84.8	13.20	82.7	13.07	78.0	11.75
		265.1	91.6	13.82	90.3	13.61	88.2	13.40	85.7	13.20	83.3	13.07	78.6	12.49
		318.0	91.9	13.82	90.7	13.61	88.8	13.43	86.1	13.20	83.6	13.07	79.0	12.87
	25	84.8	92.7	13.66	90.3	13.26	88.2	13.04	86.6	12.82	84.6	12.64	79.7	11.81
		106.0	92.7	13.61	90.3	13.25	88.2	12.99	86.6	12.78	84.6	12.58	79.7	11.75
		212.0	92.7	13.40	90.3	13.16	88.2	12.78	86.6	12.58	84.6	12.37	79.7	11.54
		265.1	92.7	13.20	90.3	12.82	88.2	12.58	86.6	12.37	84.6	12.16	79.7	11.34
		318.0	92.7	13.11	90.3	12.64	88.2	12.49	86.6	12.26	84.6	12.05	79.7	11.25
	30	84.8	92.7	13.31	90.3	12.64	88.2	12.53	86.6	12.20	84.6	12.07	79.7	11.23
		106.0	92.7	13.20	90.3	12.63	88.2	12.46	86.6	12.16	84.6	11.96	79.7	11.13
		212.0	92.7	12.78	90.3	12.54	88.2	12.16	86.6	11.96	84.6	11.54	79.7	10.73
		265.1	92.7	12.58	90.3	12.20	88.2	11.96	86.6	11.75	84.6	11.54	79.7	10.73
		318.0	92.7	12.49	90.3	12.02	88.2	11.87	86.6	11.64	84.6	11.54	79.7	10.73
	35	84.8	92.7	12.69	90.3	12.27	88.2	12.02	86.6	11.58	84.6	11.19	79.7	10.40
		106.0	92.7	12.58	90.3	12.20	88.2	11.96	86.6	11.54	84.6	11.13	79.7	10.30
		212.0	92.7	12.16	90.3	11.92	88.2	11.75	86.6	11.34	84.6	10.92	79.7	9.90
		265.1	92.7	12.16	90.3	11.79	88.2	11.54	86.6	11.13	84.6	10.73	79.7	9.90
		318.0	92.7	12.16	90.3	11.73	88.2	11.43	86.6	11.02	84.6	10.63	79.7	9.90
	40	84.8	92.7	12.26	90.3	11.87	88.2	11.64	86.6	11.23	84.6	10.84	79.7	9.78
		106.0	92.7	12.16	90.3	11.79	88.2	11.54	86.6	11.13	84.6	10.73	79.7	9.69
		212.0	92.7	11.75	90.3	11.49	88.2	11.13	86.6	10.73	84.6	10.30	79.7	9.28
		265.1	92.7	11.54	90.3	11.31	88.2	11.13	86.6	10.73	84.6	10.30	79.7	9.28
		318.0	92.7	11.43	90.3	11.21	88.2	11.13	86.6	10.73	84.6	10.30	79.7	9.28
	45	84.8	92.7	11.85	90.3	11.46	88.2	11.29	86.6	10.89	84.6	10.46	79.7	9.16
		106.0	92.7	11.75	90.3	11.39	88.2	11.13	86.6	10.73	84.6	10.30	79.7	9.07
		212.0	92.7	11.34	90.3	11.09	88.2	10.51	86.6	10.11	84.6	9.69	79.7	8.66
		265.1	92.7	10.92	90.3	10.81	88.2	10.73	86.6	10.30	84.6	9.90	79.7	8.66
		318.0	92.7	10.70	90.3	10.67	88.2	10.84	86.6	10.40	84.6	10.01	79.7	8.66
120	-5	84.8	31.1	12.96	30.9	12.20	30.8	11.36	30.3	10.87	30.6	10.56	29.8	9.45
		106.0	32.2	13.19	31.9	12.43	31.8	11.60	31.4	11.11	31.6	10.79	30.8	9.66
		212.0	36.5	14.08	36.2	13.37	36.0	12.58	35.5	12.05	35.8	11.71	34.9	10.49
		265.1	40.3	14.97	39.9	14.29	39.7	13.57	39.3	13.01	39.6	12.63	38.5	11.31
		318.0	42.2	15.43	41.9	14.75	41.6	14.06	41.2	13.49	41.5	13.08	40.3	11.72
	0	84.8	55.7	17.72	54.4	17.19	53.1	16.63	52.1	15.93	52.1	15.49	49.7	13.84
		106.0	56.0	17.76	54.7	17.23	53.5	16.68	52.5	15.97	52.5	15.52	50.0	13.88
		212.0	57.3	17.96	55.9	17.40	54.8	16.87	53.6	16.17	53.6	15.70	51.2	14.05
		265.1	58.2	17.96	56.9	17.40	55.6	16.87	54.5	16.17	54.4	15.70	52.0	14.05
		318.0	58.6	17.96	57.3	17.40	56.1	16.87	54.9	16.17	54.8	15.70	52.5	14.05
	5	84.8	80.3	19.05	79.1	18.58	77.3	18.11	75.5	17.34	73.1	16.85	69.1	15.09
		106.0	80.6	19.14	79.2	18.67	77.3	18.20	75.5	17.43	73.1	16.93	69.1	15.17
		212.0	81.7	19.47	79.8	19.00	77.3	18.56	75.5	17.79	73.1	17.28	69.1	15.46
		265.1	82.2	19.60	79.4	19.14	77.3	18.68	75.5	17.91	73.1	17.40	69.1	15.57
		318.0	82.4	19.67	79.2	19.20	77.3	18.75	75.5	17.98	73.1	17.47	69.1	15.62
	10	84.8	80.6	17.11	79.1	16.64	77.2	16.29	75.3	15.81	72.9	15.28	69.0	13.74
		106.0	80.9	17.17	79.4	16.70	77.3	16.35	75.5	15.82	73.1	15.27	69.1	13.76
		212.0	82.5	17.40	80.7	16.96	78.2	16.59	76.4	15.91	73.9	15.23	69.8	13.82
		265.1	82.9	17.34	80.5	16.96	78.6	16.66	76.7	15.97	74.2	15.29	70.1	14.29
		318.0	83.1	17.31	80.3	16.96	78.7	16.69	76.8	16.00	74.3	15.32	70.3	14.52

7. Capacity tables

Heating Capacity (22 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	15	84.8	80.8	15.17	79.2	14.73	76.9	14.49	75.1	14.28	72.7	13.70	68.7	12.43
		106.0	81.3	15.20	79.7	14.76	77.3	14.52	75.5	14.23	73.1	13.61	69.1	12.37
		212.0	83.1	15.34	81.6	14.88	79.1	14.63	77.2	14.01	74.6	13.20	70.6	12.16
		265.1	83.6	15.10	81.6	14.76	79.7	14.63	77.8	14.01	75.3	13.20	71.2	12.99
		318.0	83.9	14.98	81.5	14.70	80.1	14.63	78.1	14.01	75.6	13.20	71.5	13.41
	20	84.8	83.1	13.65	81.5	13.07	79.0	12.72	76.9	12.54	74.3	12.38	70.4	11.75
		106.0	83.6	13.65	82.0	13.11	79.5	12.78	77.3	12.58	74.8	12.37	70.7	11.71
		212.0	85.8	13.65	83.9	13.31	81.2	12.99	79.3	12.78	76.7	12.33	72.4	11.54
		265.1	86.1	13.52	83.9	13.20	81.9	12.99	79.7	12.78	77.2	12.37	72.9	11.96
		318.0	86.3	13.46	83.9	13.14	82.2	12.99	80.0	12.78	77.3	12.39	73.1	12.18
	25	84.8	87.1	12.91	84.6	12.31	81.9	12.07	80.1	11.81	78.0	11.58	73.7	10.78
		106.0	87.2	12.86	84.6	12.28	81.9	12.05	80.1	11.75	78.0	11.54	73.7	10.73
		212.0	87.4	12.67	84.6	12.20	81.9	11.96	80.1	11.54	78.0	11.34	73.7	10.51
		265.1	87.7	12.20	84.6	11.88	81.9	11.75	80.1	11.54	78.0	11.13	73.7	10.51
		318.0	87.7	11.96	84.6	11.72	81.9	11.64	80.1	11.54	78.0	11.02	73.7	10.51
	30	84.8	87.7	12.34	84.6	11.73	81.9	11.40	80.1	10.96	78.0	10.84	73.7	9.95
		106.0	87.7	12.25	84.6	11.67	81.9	11.34	80.1	10.92	78.0	10.73	73.7	9.90
		212.0	87.7	11.84	84.6	11.39	81.9	11.13	80.1	10.73	78.0	10.30	73.7	9.69
		265.1	87.7	11.45	84.6	11.13	81.9	10.92	80.1	10.73	78.0	10.30	73.7	9.49
		318.0	87.7	11.26	84.6	11.01	81.9	10.81	80.1	10.73	78.0	10.30	73.7	9.39
	35	84.8	87.7	11.79	84.6	11.15	81.9	10.84	80.1	10.40	78.0	9.99	73.7	9.11
		106.0	87.7	11.63	84.6	11.05	81.9	10.73	80.1	10.30	78.0	9.90	73.7	9.07
		212.0	87.7	10.96	84.6	10.64	81.9	10.30	80.1	9.90	78.0	9.49	73.7	8.87
		265.1	87.7	10.84	84.6	10.55	81.9	10.30	80.1	9.90	78.0	9.49	73.7	8.66
		318.0	87.7	10.77	84.6	10.51	81.9	10.30	80.1	9.90	78.0	9.49	73.7	8.55
	40	84.8	87.7	11.44	84.6	10.64	81.9	10.22	80.1	9.78	78.0	9.38	73.7	8.49
		106.0	87.7	11.22	84.6	10.51	81.9	10.11	80.1	9.69	78.0	9.28	73.7	8.45
		212.0	87.7	10.34	84.6	10.02	81.9	9.69	80.1	9.28	78.0	8.87	73.7	8.25
		265.1	87.7	10.22	84.6	9.90	81.9	9.69	80.1	9.28	78.0	8.87	73.7	8.04
		318.0	87.7	10.15	84.6	9.83	81.9	9.69	80.1	9.28	78.0	8.87	73.7	7.93
	45	84.8	87.7	11.08	84.6	10.13	81.9	9.60	80.1	9.16	78.0	8.76	73.7	7.87
		106.0	87.7	10.81	84.6	9.98	81.9	9.49	80.1	9.07	78.0	8.66	73.7	7.83
		212.0	87.7	9.72	84.6	9.40	81.9	9.07	80.1	8.66	78.0	8.25	73.7	7.63
		265.1	87.7	9.60	84.6	9.24	81.9	9.07	80.1	8.66	78.0	8.25	73.7	7.42
		318.0	87.7	9.54	84.6	9.15	81.9	9.07	80.1	8.66	78.0	8.25	73.7	7.31
110	-5	84.8	29.5	13.13	29.3	12.20	29.1	11.36	28.8	10.87	28.9	10.56	28.3	9.45
		106.0	30.5	13.35	30.3	12.43	30.1	11.60	29.8	11.11	29.9	10.79	29.2	9.66
		212.0	34.4	14.25	34.3	13.37	34.1	12.58	33.8	12.05	33.8	11.71	33.0	10.49
		265.1	38.1	15.17	37.9	14.29	37.7	13.57	37.2	13.01	37.2	12.63	36.5	11.31
		318.0	39.9	15.63	39.6	14.75	39.4	14.06	39.0	13.49	39.0	13.08	38.2	11.72
	0	84.8	52.7	17.96	51.5	17.19	50.4	16.63	49.5	15.93	49.0	15.49	47.2	13.84
		106.0	53.0	18.00	51.8	17.23	50.7	16.68	49.8	15.97	49.3	15.52	47.5	13.88
		212.0	54.2	18.17	53.1	17.40	51.9	16.87	50.9	16.17	50.5	15.70	48.6	14.05
		265.1	55.0	18.17	53.9	17.40	52.8	16.87	51.7	16.17	51.2	15.70	49.2	14.05
		318.0	55.5	18.17	54.4	17.40	53.1	16.87	52.0	16.17	51.7	15.70	49.6	14.05
	5	84.8	76.8	19.30	75.0	18.58	73.2	18.11	71.6	17.34	68.8	16.85	65.5	15.09
		106.0	77.1	19.38	75.1	18.67	73.3	18.20	71.6	17.43	68.8	16.93	65.5	15.17
		212.0	78.1	19.73	75.7	19.00	73.4	18.56	71.6	17.79	68.8	17.28	65.5	15.46
		265.1	78.6	19.85	75.9	19.14	73.4	18.68	71.6	17.91	68.8	17.40	65.5	15.57
		318.0	78.9	19.92	76.0	19.20	73.4	18.75	71.6	17.98	68.8	17.47	65.5	15.62
	10	84.8	77.1	17.31	75.3	16.72	73.2	16.35	71.5	15.81	68.7	15.28	65.4	13.74
		106.0	77.5	17.34	75.4	16.76	73.3	16.40	71.6	15.82	68.8	15.27	65.5	13.76
		212.0	78.6	17.47	76.2	16.96	73.7	16.59	72.1	15.91	69.3	15.23	65.8	13.82
		265.1	79.0	17.47	76.5	16.96	74.0	16.55	72.2	15.87	69.4	15.29	66.0	13.97
		318.0	79.2	17.47	76.7	16.96	74.2	16.53	72.3	15.85	69.5	15.32	66.1	14.05
	15	84.8	77.3	15.31	75.3	14.88	73.1	14.63	71.4	14.28	68.7	13.70	65.4	12.43
		106.0	77.6	15.29	75.6	14.88	73.4	14.63	71.6	14.23	68.8	13.61	65.5	12.37
		212.0	79.0	15.20	76.7	14.88	74.2	14.63	72.4	14.01	69.8	13.20	66.2	12.16
		265.1	79.4	15.10	77.1	14.76	74.6	14.44	72.7	13.82	69.9	13.20	66.5	12.37
		318.0	79.7	15.05	77.3	14.70	74.8	14.34	72.9	13.72	70.1	13.20	66.8	12.48
	20	84.8	78.8	13.22	76.7	12.90	74.2	12.58	72.1	12.37	69.6	12.02	65.9	11.24
		106.0	79.2	13.25	76.9	12.90	74.4	12.58	72.4	12.37	69.8	11.96	66.2	11.22
		212.0	80.9	13.35	77.9	12.90	75.3	12.58	73.5	12.37	70.6	11.75	67.1	11.13
		265.1	81.4	13.35	78.6	12.90	75.7	12.58	73.7	12.16	71.0	11.75	67.4	11.13
		318.0	81.6	13.35	78.9	12.90	75.9	12.58	73.9	12.05	71.2	11.75	67.4	11.13
	25	84.8	81.2	12.02	78.9	11.58	75.7	11.40	74.0	10.96	71.5	10.57	67.6	9.69
		106.0	81.4	12.01	78.9	11.54	75.7	11.34	74.0	10.92	71.5	10.51	67.6	9.69
		212.0	82.0	11.92	78.9	11.34	75.7	11.13	74.0	10.73	71.5	10.30	67.6	9.69
		265.1	82.5	11.92	78.9	11.39	75.7	10.92	74.0	10.73	71.5	10.11	67.6	9.49
		318.0	82.7	11.92	78.9	11.41	75.7	10.81	74.0	10.73	71.5	10.01	67.6	9.39
	30	84.8	82.5	10.96	78.9	10.57	75.7	10.16	74.0	9.95	71.5	9.33	67.6	8.71
		106.0	82.5	10.92	78.9	10.51	75.7	10.11	74.0	9.90	71.5	9.28	67.6	8.66
		212.0	82.5	10.73	78.9	10.30	75.7	9.90	74.0	9.69	71.5	9.07	67.6	8.45
		265.1	82.5	10.64	78.9	10.11	75.7	9.69	74.0	9.49	71.5	9.07	67.6	8.45
		318.0	82.5	10.60	78.9	10.01	75.7	9.57	74.0	9.39	71.5	9.07	67.6	8.45

7. Capacity tables

Heating Capacity (22 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	35	84.8	82.5	10.40	78.9	9.73	75.7	9.33	74.0	8.93	71.5	8.49	67.6	7.87
		106.0	82.5	10.30	78.9	9.69	75.7	9.28	74.0	8.87	71.5	8.45	67.6	7.83
		212.0	82.5	9.90	78.9	9.49	75.7	9.07	74.0	8.66	71.5	8.25	67.6	7.63
		265.1	82.5	9.64	78.9	9.28	75.7	8.87	74.0	8.66	71.5	8.25	67.6	7.63
		318.0	82.5	9.51	78.9	9.17	75.7	8.78	74.0	8.66	71.5	8.25	67.6	7.63
	40	84.8	82.5	9.78	78.9	9.38	75.7	8.76	74.0	8.31	71.5	7.87	67.6	7.25
		106.0	82.5	9.69	78.9	9.28	75.7	8.66	74.0	8.25	71.5	7.83	67.6	7.21
		212.0	82.5	9.28	78.9	8.87	75.7	8.25	74.0	8.04	71.5	7.63	67.6	7.01
		265.1	82.5	9.15	78.9	8.66	75.7	8.25	74.0	7.83	71.5	7.42	67.6	6.80
		318.0	82.5	9.08	78.9	8.55	75.7	8.25	74.0	7.72	71.5	7.31	67.6	6.69
	45	84.8	82.5	9.16	78.9	9.03	75.7	8.19	74.0	7.69	71.5	7.25	67.6	6.63
		106.0	82.5	9.07	78.9	8.87	75.7	8.04	74.0	7.63	71.5	7.21	67.6	6.59
		212.0	82.5	8.66	78.9	8.25	75.7	7.42	74.0	7.42	71.5	7.01	67.6	6.40
		265.1	82.5	8.66	78.9	8.04	75.7	7.63	74.0	7.01	71.5	6.59	67.6	5.97
		318.0	82.5	8.66	78.9	7.93	75.7	7.74	74.0	6.81	71.5	6.37	67.6	5.75
100	-5	84.8	27.8	13.13	27.7	12.37	27.5	11.36	27.3	10.87	27.0	10.39	26.5	9.45
		106.0	28.8	13.35	28.6	12.60	28.5	11.60	28.3	11.11	28.0	10.62	27.5	9.66
		212.0	32.7	14.25	32.4	13.54	32.2	12.58	31.9	12.05	31.6	11.54	31.1	10.49
		265.1	36.0	15.17	35.8	14.48	35.5	13.57	35.2	13.01	35.0	12.43	34.4	11.31
		318.0	37.7	15.63	37.4	14.96	37.3	14.06	36.9	13.49	36.7	12.88	36.0	11.72
	0	84.8	49.8	17.96	48.7	17.43	47.6	16.63	46.8	15.93	46.0	15.25	44.5	13.84
		106.0	50.1	18.00	49.0	17.47	47.9	16.68	47.1	15.97	46.3	15.29	44.6	13.88
		212.0	51.2	18.17	50.1	17.64	49.0	16.87	48.2	16.17	47.4	15.46	45.7	14.05
		265.1	52.0	18.17	50.9	17.64	49.8	16.87	48.9	16.17	48.1	15.46	46.4	14.05
		318.0	52.5	18.17	51.4	17.64	50.3	16.87	49.3	16.17	48.4	15.46	46.8	14.05
	5	84.8	73.5	19.30	71.0	18.83	69.2	18.11	67.9	17.34	64.6	16.59	61.6	15.09
		106.0	73.7	19.38	71.2	18.91	69.3	18.20	67.9	17.43	64.6	16.68	61.6	15.17
		212.0	74.8	19.73	71.7	19.26	69.3	18.56	67.9	17.79	64.6	17.02	61.6	15.46
		265.1	75.3	19.85	71.8	19.38	69.3	18.68	67.9	17.91	64.6	17.12	61.6	15.57
		318.0	75.4	19.92	72.0	19.45	69.3	18.75	67.9	17.98	64.6	17.18	61.6	15.62
	10	84.8	73.9	17.26	71.3	16.88	69.3	16.35	67.9	15.81	64.6	15.02	61.6	13.74
		106.0	74.0	17.34	71.4	16.93	69.3	16.40	67.9	15.82	64.6	15.04	61.6	13.76
		212.0	74.8	17.66	71.8	17.15	69.3	16.59	67.9	15.91	64.6	15.10	61.6	13.82
		265.1	75.3	17.59	72.1	17.15	69.3	16.55	67.9	15.87	64.6	15.05	61.6	13.76
		318.0	75.6	17.56	72.3	17.15	69.3	16.53	67.9	15.85	64.6	15.04	61.6	13.72
	15	84.8	74.3	15.22	71.5	14.96	69.3	14.63	67.9	14.28	64.6	13.44	61.6	12.43
		106.0	74.4	15.29	71.6	14.97	69.3	14.63	67.9	14.23	64.6	13.40	61.6	12.37
		212.0	74.8	15.59	71.8	15.02	69.3	14.63	67.9	14.01	64.6	13.20	61.6	12.16
		265.1	75.4	15.34	72.2	14.88	69.3	14.44	67.9	13.82	64.6	12.99	61.6	11.96
		318.0	75.7	15.20	72.4	14.82	69.3	14.34	67.9	13.72	64.6	12.88	61.6	11.87
	20	84.8	74.7	13.02	72.0	12.67	69.3	12.37	67.9	12.20	64.6	11.40	61.6	10.84
		106.0	75.0	13.07	72.0	12.69	69.3	12.37	67.9	12.16	64.6	11.34	61.6	10.73
		212.0	76.1	13.31	72.2	12.73	69.3	12.37	67.9	11.96	64.6	11.13	61.6	10.30
		265.1	76.5	13.07	72.9	12.63	69.3	12.16	67.9	11.75	64.6	10.92	61.6	10.11
		318.0	76.7	12.96	73.2	12.57	69.3	12.05	67.9	11.64	64.6	10.81	61.6	10.01
	25	84.8	75.6	11.37	73.1	11.02	69.3	10.57	67.9	10.16	64.6	9.54	61.6	8.66
		106.0	75.9	11.39	73.1	10.96	69.3	10.51	67.9	10.11	64.6	9.49	61.6	8.66
		212.0	77.0	11.43	73.1	10.73	69.3	10.30	67.9	9.90	64.6	9.28	61.6	8.66
		265.1	77.3	11.17	73.1	10.64	69.3	10.11	67.9	9.69	64.6	9.28	61.6	8.45
		318.0	77.6	11.05	73.1	10.60	69.3	10.01	67.9	9.57	64.6	9.28	61.6	8.34
	30	84.8	77.3	10.35	73.1	9.54	69.3	8.89	67.9	8.71	64.6	8.04	61.6	7.69
		106.0	77.3	10.30	73.1	9.49	69.3	8.87	67.9	8.66	64.6	8.04	61.6	7.63
		212.0	77.3	10.11	73.1	9.28	69.3	8.78	67.9	8.45	64.6	8.04	61.6	7.42
		265.1	77.3	9.90	73.1	9.28	69.3	8.66	67.9	8.45	64.6	7.83	61.6	7.42
		318.0	77.3	9.79	73.1	9.28	69.3	8.60	67.9	8.45	64.6	7.72	61.6	7.42
	35	84.8	77.3	9.60	73.1	8.76	69.3	7.84	67.9	7.69	64.6	7.25	61.6	6.63
		106.0	77.3	9.49	73.1	8.66	69.3	7.83	67.9	7.63	64.6	7.21	61.6	6.59
		212.0	77.3	9.07	73.1	8.25	69.3	7.74	67.9	7.42	64.6	7.01	61.6	6.40
		265.1	77.3	9.07	73.1	8.25	69.3	7.63	67.9	7.42	64.6	7.01	61.6	6.40
		318.0	77.3	9.07	73.1	8.25	69.3	7.58	67.9	7.42	64.6	7.01	61.6	6.40
	40	84.8	77.3	8.98	73.1	8.14	69.3	7.04	67.9	6.86	64.6	6.45	61.6	6.02
		106.0	77.3	8.87	73.1	8.04	69.3	7.01	67.9	6.80	64.6	6.40	61.6	5.97
		212.0	77.3	8.45	73.1	7.63	69.3	6.93	67.9	6.59	64.6	6.19	61.6	5.78
		265.1	77.3	8.25	73.1	7.63	69.3	6.80	67.9	6.59	64.6	6.19	61.6	5.78
		318.0	77.3	8.16	73.1	7.63	69.3	6.74	67.9	6.59	64.6	6.19	61.6	5.78
	45	84.8	77.3	8.36	73.1	7.52	69.3	6.21	67.9	6.02	64.6	5.62	61.6	5.40
		106.0	77.3	8.25	73.1	7.42	69.3	6.19	67.9	5.97	64.6	5.57	61.6	5.36
		212.0	77.3	7.83	73.1	7.01	69.3	6.10	67.9	5.78	64.6	5.36	61.6	5.16
		265.1	77.3	7.42	73.1	7.01	69.3	5.97	67.9	5.78	64.6	5.36	61.6	5.16
		318.0	77.3	7.22	73.1	7.01	69.3	5.91	67.9	5.78	64.6	5.36	61.6	5.16
90	-5	84.8	26.3	12.19	25.5	11.10	24.7	9.75	24.5	9.28	24.4	8.95	23.9	8.04
		106.0	27.2	12.39	26.4	11.31	25.6	9.96	25.4	9.49	25.2	9.15	24.8	8.21
		212.0	30.8	13.22	29.9	12.14	28.9	10.81	28.8	10.30	28.6	9.93	28.0	8.92
		265.1	34.1	14.05	33.0	12.99	31.9	11.67	31.7	11.11	31.6	10.71	31.0	9.62
		318.0	35.7	14.47	34.5	13.42	33.5	12.10	33.2	11.52	33.0	11.10	32.4	9.98
	0	84.8	47.0	16.59	44.9	15.57	42.8	14.29	42.1	13.63	41.5	13.13	39.9	11.78
		106.0	47.3	16.64	45.1	15.61	43.1	14.34	42.4	13.67	41.7	13.16	40.2	11.81
		212.0	48.4	16.81	46.2	15.78	44.1	14.48	43.4	13.82	42.7	13.31	41.2	11.95
		265.1	49.2	16.81	46.8	15.78	44.8	14.48	44.0	13.82	43.4	13.31	41.8	11.95
		318.0	49.5	16.81	47.3	15.78	45.1	14.48	44.3	13.82	43.7	13.31	42.1	11.95

7. Capacity tables

Heating Capacity (22 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	5	84.8	66.5	17.81	64.3	16.81	62.2	15.56	61.0	14.84	58.3	14.28	55.5	12.82
		106.0	66.5	17.90	64.3	16.90	62.2	15.64	61.0	14.91	58.3	14.35	55.5	12.88
		212.0	66.8	18.21	64.1	17.21	62.2	15.93	61.0	15.20	58.3	14.65	55.5	13.14
		265.1	67.1	18.32	64.3	17.32	62.2	16.06	61.0	15.31	58.3	14.76	55.5	13.25
		318.0	67.4	18.38	64.4	17.37	62.2	16.12	61.0	15.37	58.3	14.81	55.5	13.30
	10	84.8	66.8	15.73	64.6	14.96	62.2	14.08	61.0	13.51	58.3	12.96	55.5	11.67
		106.0	66.8	15.74	64.4	14.97	62.2	14.10	61.0	13.52	58.3	12.95	55.5	11.69
		212.0	66.6	15.78	64.1	15.04	62.2	14.16	61.0	13.58	58.3	12.90	55.5	11.73
		265.1	67.1	15.74	64.3	14.99	62.2	14.12	61.0	13.54	58.3	12.95	55.5	11.78
		318.0	67.3	15.72	64.4	14.97	62.2	14.10	61.0	13.52	58.3	12.96	55.5	11.79
	15	84.8	67.1	13.61	64.8	13.13	62.2	12.64	61.0	12.20	58.3	11.64	55.5	10.57
		106.0	67.1	13.57	64.6	13.07	62.2	12.58	61.0	12.16	58.3	11.54	55.5	10.51
		212.0	66.6	13.35	64.2	12.86	62.2	12.37	61.0	11.96	58.3	11.13	55.5	10.30
		265.1	67.1	13.16	64.4	12.67	62.2	12.16	61.0	11.75	58.3	11.13	55.5	10.30
		318.0	67.3	13.07	64.5	12.57	62.2	12.05	61.0	11.64	58.3	11.13	55.5	10.30
	20	84.8	67.6	11.49	65.1	11.16	62.2	10.78	61.0	10.35	58.3	9.99	55.5	9.38
		106.0	67.5	11.49	64.9	11.13	62.2	10.73	61.0	10.30	58.3	9.90	55.5	9.28
		212.0	67.2	11.49	64.4	11.01	62.2	10.51	61.0	10.11	58.3	9.49	55.5	8.87
		265.1	67.4	11.31	64.6	10.92	62.2	10.51	61.0	10.11	58.3	9.49	55.5	8.87
		318.0	67.6	11.21	64.7	10.87	62.2	10.51	61.0	10.11	58.3	9.49	55.5	8.87
	25	84.8	68.7	10.04	65.9	9.51	62.2	9.11	61.0	8.66	58.3	8.31	55.5	7.69
		106.0	68.8	10.02	65.9	9.49	62.2	9.07	61.0	8.66	58.3	8.25	55.5	7.63
		212.0	69.5	9.93	65.9	9.40	62.2	8.87	61.0	8.66	58.3	8.04	55.5	7.42
		265.1	69.8	9.69	65.9	9.19	62.2	8.87	61.0	8.45	58.3	8.04	55.5	7.42
		318.0	69.9	9.55	65.9	9.08	62.2	8.87	61.0	8.34	58.3	8.04	55.5	7.42
	30	84.8	69.8	9.11	65.9	8.49	62.2	7.87	61.0	7.69	58.3	7.25	55.5	6.59
		106.0	69.8	9.07	65.9	8.45	62.2	7.83	61.0	7.63	58.3	7.21	55.5	6.59
		212.0	69.8	8.87	65.9	8.25	62.2	7.63	61.0	7.42	58.3	7.01	55.5	6.59
		265.1	69.8	8.66	65.9	8.04	62.2	7.63	61.0	7.42	58.3	7.01	55.5	6.40
		318.0	69.8	8.55	65.9	7.93	62.2	7.63	61.0	7.42	58.3	7.01	55.5	6.30
	35	84.8	69.8	8.31	65.9	7.69	62.2	7.07	61.0	6.86	58.3	6.45	55.5	6.02
		106.0	69.8	8.25	65.9	7.63	62.2	7.01	61.0	6.80	58.3	6.40	55.5	5.97
		212.0	69.8	8.04	65.9	7.42	62.2	6.80	61.0	6.59	58.3	6.19	55.5	5.78
		265.1	69.8	7.83	65.9	7.21	62.2	6.59	61.0	6.40	58.3	6.19	55.5	5.78
		318.0	69.8	7.72	65.9	7.10	62.2	6.48	61.0	6.30	58.3	6.19	55.5	5.78
	40	84.8	69.8	7.74	65.9	7.07	62.2	6.24	61.0	6.02	58.3	5.83	55.5	5.40
		106.0	69.8	7.63	65.9	7.01	62.2	6.19	61.0	5.97	58.3	5.78	55.5	5.36
		212.0	69.8	7.21	65.9	6.80	62.2	5.97	61.0	5.78	58.3	5.57	55.5	5.16
		265.1	69.8	7.21	65.9	6.80	62.2	5.97	61.0	5.78	58.3	5.57	55.5	5.16
		318.0	69.8	7.21	65.9	6.80	62.2	5.97	61.0	5.78	58.3	5.57	55.5	5.16
	45	84.8	69.8	7.18	65.9	6.45	62.2	5.40	61.0	5.21	58.3	5.21	55.5	4.78
		106.0	69.8	7.01	65.9	6.40	62.2	5.36	61.0	5.16	58.3	5.16	55.5	4.74
		212.0	69.8	6.40	65.9	6.19	62.2	5.16	61.0	4.95	58.3	4.95	55.5	4.54
		265.1	69.8	6.59	65.9	6.40	62.2	5.36	61.0	5.16	58.3	4.95	55.5	4.54
		318.0	69.8	6.69	65.9	6.51	62.2	5.45	61.0	5.27	58.3	4.95	55.5	4.54
80	-5	84.8	24.8	8.68	23.3	8.34	22.0	7.99	21.8	7.72	21.7	7.37	21.2	6.78
		106.0	25.8	8.87	24.1	8.53	22.8	8.17	22.6	7.89	22.5	7.53	22.0	6.93
		212.0	29.1	9.64	27.3	9.25	25.8	8.86	25.5	8.55	25.4	8.17	24.8	7.51
		265.1	32.2	10.39	30.1	9.98	28.5	9.55	28.1	9.24	28.0	8.81	27.5	8.10
		318.0	33.8	10.76	31.6	10.34	29.9	9.90	29.5	9.58	29.4	9.13	28.8	8.40
	0	84.8	44.4	12.73	41.0	12.22	38.2	11.72	37.4	11.31	36.9	10.78	35.5	9.93
		106.0	44.6	12.78	41.2	12.26	38.3	11.75	37.7	11.34	37.1	10.81	35.7	9.96
		212.0	45.7	12.93	42.1	12.41	39.3	11.88	38.5	11.48	38.0	10.94	36.6	10.07
		265.1	46.4	12.93	42.8	12.41	39.9	11.88	39.1	11.48	38.6	10.94	37.1	10.07
		318.0	46.7	12.93	43.1	12.41	40.2	11.88	39.4	11.48	38.9	10.94	37.4	10.07
	5	84.8	61.4	13.85	58.0	13.33	55.5	12.73	54.2	12.31	51.9	11.73	49.3	10.80
		106.0	61.6	13.93	58.1	13.40	55.5	12.79	54.2	12.37	51.9	11.79	49.3	10.86
		212.0	62.1	14.23	58.5	13.65	55.5	13.07	54.2	12.63	51.9	12.02	49.3	11.09
		265.1	62.1	14.31	58.5	13.76	55.5	13.16	54.2	12.72	51.9	12.11	49.3	11.16
		318.0	62.1	14.35	58.4	13.81	55.5	13.20	54.2	12.75	51.9	12.16	49.3	11.19
	10	84.8	61.8	12.75	58.2	12.17	55.5	11.55	54.2	11.23	51.9	10.64	49.3	9.84
		106.0	61.8	12.73	58.3	12.16	55.5	11.55	54.2	11.24	51.9	10.64	49.3	9.86
		212.0	62.1	12.67	58.5	12.10	55.5	11.58	54.2	11.26	51.9	10.66	49.3	9.87
		265.1	62.1	12.63	58.5	12.14	55.5	11.63	54.2	11.20	51.9	10.60	49.3	9.81
		318.0	62.1	12.60	58.4	12.16	55.5	11.64	54.2	11.16	51.9	10.57	49.3	9.78
	15	84.8	62.1	11.64	58.5	11.02	55.5	10.35	54.2	10.16	51.9	9.54	49.3	8.93
		106.0	62.1	11.54	58.5	10.92	55.5	10.30	54.2	10.11	51.9	9.49	49.3	8.87
		212.0	62.1	11.13	58.5	10.51	55.5	10.11	54.2	9.90	51.9	9.28	49.3	8.66
		265.1	62.1	10.92	58.5	10.51	55.5	10.11	54.2	9.69	51.9	9.07	49.3	8.45
		318.0	62.1	10.81	58.5	10.51	55.5	10.11	54.2	9.57	51.9	8.96	49.3	8.34
	20	84.8	62.1	9.73	58.5	9.33	55.5	8.87	54.2	8.71	51.9	8.31	49.3	7.69
		106.0	62.1	9.69	58.5	9.28	55.5	8.87	54.2	8.66	51.9	8.25	49.3	7.63
		212.0	62.1	9.49	58.5	9.07	55.5	8.87	54.2	8.45	51.9	8.04	49.3	7.42
		265.1	62.1	9.28	58.5	8.87	55.5	8.66	54.2	8.45	51.9	7.83	49.3	7.42
		318.0	62.1	9.17	58.5	8.78	55.5	8.55	54.2	8.45	51.9	7.72	49.3	7.42
	25	84.8	62.1	8.71	58.5	8.10	55.5	7.63	54.2	7.48	51.9	7.07	49.3	6.63
		106.0	62.1	8.66	58.5	8.04	55.5	7.63	54.2	7.42	51.9	7.01	49.3	6.59
		212.0	62.1	8.45	58.5	7.83	55.5	7.63	54.2	7.21	51.9	6.80	49.3	6.40
		265.1	62.1	8.25	58.5	7.83	55.5	7.42	54.2	7.21	51.9	6.80	49.3	6.40
		318.0	62.1	8.16	58.5	7.83	55.5	7.31	54.2	7.21	51.9	6.80	49.3	6.40

7. Capacity tables

Heating Capacity (22 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	30	84.8	62.1	7.69	58.5	7.25	55.5	6.86	54.2	6.63	51.9	6.24	49.3	5.83
		106.0	62.1	7.63	58.5	7.21	55.5	6.80	54.2	6.59	51.9	6.19	49.3	5.78
		212.0	62.1	7.42	58.5	7.01	55.5	6.59	54.2	6.40	51.9	5.97	49.3	5.57
		265.1	62.1	7.42	58.5	7.01	55.5	6.59	54.2	6.40	51.9	5.97	49.3	5.57
		318.0	62.1	7.42	58.5	7.01	55.5	6.59	54.2	6.40	51.9	5.97	49.3	5.57
	35	84.8	62.1	7.07	58.5	6.63	55.5	6.02	54.2	5.78	51.9	5.62	49.3	5.16
		106.0	62.1	7.01	58.5	6.59	55.5	5.97	54.2	5.78	51.9	5.57	49.3	5.16
		212.0	62.1	6.80	58.5	6.40	55.5	5.78	54.2	5.78	51.9	5.36	49.3	5.16
		265.1	62.1	6.80	58.5	6.19	55.5	5.78	54.2	5.57	51.9	5.36	49.3	4.95
		318.0	62.1	6.80	58.5	6.07	55.5	5.78	54.2	5.46	51.9	5.36	49.3	4.84
	40	84.8	62.1	6.69	58.5	6.02	55.5	5.36	54.2	5.40	51.9	4.95	49.3	4.78
		106.0	62.1	6.59	58.5	5.97	55.5	5.36	54.2	5.36	51.9	4.95	49.3	4.74
		212.0	62.1	6.19	58.5	5.78	55.5	5.36	54.2	5.16	51.9	4.95	49.3	4.54
		265.1	62.1	6.19	58.5	5.78	55.5	5.16	54.2	5.16	51.9	4.95	49.3	4.54
		318.0	62.1	6.19	58.5	5.78	55.5	5.06	54.2	5.16	51.9	4.95	49.3	4.54
	45	84.8	62.1	6.34	58.5	5.40	55.5	4.68	54.2	5.05	51.9	4.27	49.3	4.43
		106.0	62.1	6.19	58.5	5.36	55.5	4.74	54.2	4.95	51.9	4.33	49.3	4.33
		212.0	62.1	5.57	58.5	5.16	55.5	4.95	54.2	4.54	51.9	4.54	49.3	3.92
		265.1	62.1	5.57	58.5	5.36	55.5	4.54	54.2	4.74	51.9	4.54	49.3	4.12
		318.0	62.1	5.57	58.5	5.45	55.5	4.34	54.2	4.83	51.9	4.54	49.3	4.21
70	-5	84.8	21.7	7.45	20.4	7.10	19.3	6.86	19.0	6.47	19.0	6.24	18.7	5.68
		106.0	22.5	7.62	21.1	7.25	19.9	7.01	19.8	6.61	19.6	6.38	19.3	5.80
		212.0	25.4	8.25	23.9	7.87	22.5	7.62	22.3	7.16	22.2	6.91	21.8	6.30
		265.1	28.1	8.92	26.4	8.49	24.8	8.21	24.7	7.72	24.5	7.46	24.0	6.78
		318.0	29.5	9.25	27.6	8.80	26.1	8.51	25.9	8.00	25.6	7.74	25.2	7.03
	0	84.8	38.8	10.90	35.9	10.40	33.3	10.05	32.7	9.46	32.2	9.14	31.1	8.31
		106.0	39.1	10.94	36.1	10.43	33.5	10.09	33.0	9.49	32.4	9.17	31.3	8.34
		212.0	39.9	11.07	36.9	10.54	34.3	10.22	33.8	9.60	33.2	9.28	31.9	8.42
		265.1	40.5	11.07	37.5	10.54	34.9	10.22	34.2	9.60	33.8	9.28	32.5	8.42
		318.0	40.9	11.07	37.8	10.54	35.1	10.22	34.4	9.60	34.0	9.28	32.7	8.42
	5	84.8	53.6	11.89	50.8	11.31	48.4	10.95	47.4	10.31	45.3	9.95	43.1	9.04
		106.0	53.8	11.95	50.9	11.37	48.4	11.01	47.4	10.37	45.3	10.01	43.1	9.08
		212.0	54.2	12.17	51.4	11.60	48.4	11.24	47.4	10.55	45.3	10.22	43.1	9.28
		265.1	54.2	12.26	51.2	11.69	48.4	11.33	47.4	10.64	45.3	10.28	43.1	9.34
		318.0	54.2	12.31	51.2	11.73	48.4	11.37	47.4	10.69	45.3	10.31	43.1	9.37
	10	84.8	53.9	10.94	51.0	10.34	48.4	9.96	47.4	9.40	45.3	9.02	43.1	8.25
		106.0	53.9	10.92	51.1	10.32	48.4	9.93	47.4	9.40	45.3	9.02	43.1	8.25
		212.0	54.2	10.84	51.2	10.24	48.4	9.86	47.4	9.40	45.3	9.02	43.1	8.25
		265.1	54.2	10.87	51.2	10.28	48.4	9.90	47.4	9.45	45.3	8.96	43.1	8.28
		318.0	54.2	10.90	51.2	10.30	48.4	9.92	47.4	9.47	45.3	8.92	43.1	8.28
	15	84.8	54.2	9.99	51.2	9.38	48.4	8.98	47.4	8.49	45.3	8.10	43.1	7.48
		106.0	54.2	9.90	51.2	9.28	48.4	8.87	47.4	8.45	45.3	8.04	43.1	7.42
		212.0	54.2	9.49	51.2	8.87	48.4	8.45	47.4	8.25	45.3	7.83	43.1	7.21
		265.1	54.2	9.49	51.2	8.87	48.4	8.45	47.4	8.25	45.3	7.63	43.1	7.21
		318.0	54.2	9.49	51.2	8.87	48.4	8.45	47.4	8.25	45.3	7.54	43.1	7.21
	20	84.8	54.2	8.31	51.2	7.87	48.4	7.69	47.4	7.48	45.3	7.07	43.1	6.63
		106.0	54.2	8.25	51.2	7.83	48.4	7.63	47.4	7.42	45.3	7.01	43.1	6.59
		212.0	54.2	8.04	51.2	7.63	48.4	7.42	47.4	7.21	45.3	6.80	43.1	6.40
		265.1	54.2	8.04	51.2	7.63	48.4	7.42	47.4	7.01	45.3	6.80	43.1	6.19
		318.0	54.2	8.04	51.2	7.63	48.4	7.42	47.4	6.92	45.3	6.80	43.1	6.07
	25	84.8	54.2	7.48	51.2	7.07	48.4	6.63	47.4	6.45	45.3	5.97	43.1	5.57
		106.0	54.2	7.42	51.2	7.01	48.4	6.59	47.4	6.40	45.3	5.97	43.1	5.57
		212.0	54.2	7.21	51.2	6.80	48.4	6.40	47.4	6.19	45.3	5.97	43.1	5.57
		265.1	54.2	7.01	51.2	6.59	48.4	6.40	47.4	6.19	45.3	5.78	43.1	5.57
		318.0	54.2	6.92	51.2	6.48	48.4	6.40	47.4	6.19	45.3	5.68	43.1	5.57
	30	84.8	54.2	6.63	51.2	6.24	48.4	5.83	47.4	5.57	45.3	5.40	43.1	4.95
		106.0	54.2	6.59	51.2	6.19	48.4	5.78	47.4	5.57	45.3	5.36	43.1	4.95
		212.0	54.2	6.40	51.2	5.97	48.4	5.57	47.4	5.57	45.3	5.16	43.1	4.95
		265.1	54.2	6.40	51.2	5.97	48.4	5.57	47.4	5.36	45.3	5.16	43.1	4.95
		318.0	54.2	6.40	51.2	5.97	48.4	5.57	47.4	5.24	45.3	5.16	43.1	4.95
	35	84.8	54.2	6.02	51.2	5.62	48.4	5.16	47.4	5.21	45.3	4.74	43.1	4.60
		106.0	54.2	5.97	51.2	5.57	48.4	5.16	47.4	5.16	45.3	4.74	43.1	4.54
		212.0	54.2	5.78	51.2	5.36	48.4	5.16	47.4	4.95	45.3	4.74	43.1	4.33
		265.1	54.2	5.78	51.2	5.36	48.4	4.95	47.4	4.95	45.3	4.74	43.1	4.33
		318.0	54.2	5.78	51.2	5.36	48.4	4.84	47.4	4.95	45.3	4.74	43.1	4.33
	40	84.8	54.2	5.62	51.2	5.21	48.4	4.78	47.4	4.54	45.3	4.33	43.1	4.16
		106.0	54.2	5.57	51.2	5.16	48.4	4.74	47.4	4.54	45.3	4.33	43.1	4.12
		212.0	54.2	5.36	51.2	4.95	48.4	4.54	47.4	4.54	45.3	4.33	43.1	3.92
		265.1	54.2	5.36	51.2	4.95	48.4	4.54	47.4	4.33	45.3	4.12	43.1	3.92
		318.0	54.2	5.36	51.2	4.95	48.4	4.54	47.4	4.22	45.3	4.01	43.1	3.92
	45	84.8	54.2	5.21	51.2	4.78	48.4	4.43	47.4	3.88	45.3	3.92	43.1	3.77
		106.0	54.2	5.16	51.2	4.74	48.4	4.33	47.4	3.92	45.3	3.92	43.1	3.71
		212.0	54.2	4.95	51.2	4.54	48.4	3.92	47.4	4.12	45.3	3.92	43.1	3.50
		265.1	54.2	4.95	51.2	4.54	48.4	4.12	47.4	3.71	45.3	3.50	43.1	3.50
		318.0	54.2	4.95	51.2	4.54	48.4	4.21	47.4	3.51	45.3	3.28	43.1	3.50
60	-5	84.8	18.7	6.05	17.4	5.82	16.5	5.59	16.3	5.19	16.2	5.12	15.9	4.57
		106.0	19.3	6.19	18.1	5.95	17.1	5.72	16.8	5.31	16.8	5.22	16.5	4.67
		212.0	21.8	6.72	20.4	6.46	19.3	6.21	19.2	5.76	19.0	5.68	18.7	5.07
		265.1	24.1	7.23	22.6	6.98	21.4	6.69	21.2	6.22	21.1	6.12	20.6	5.46
		318.0	25.3	7.49	23.6	7.24	22.5	6.95	22.2	6.46	22.1	6.34	21.6	5.65

7. Capacity tables

Heating Capacity (22 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	84.8	33.3	8.87	30.7	8.55	28.6	8.19	28.1	7.62	27.7	7.51	26.7	6.71
		106.0	33.5	8.89	30.9	8.57	28.8	8.21	28.3	7.63	27.8	7.53	26.9	6.72
		212.0	34.3	9.00	31.6	8.66	29.5	8.31	28.9	7.72	28.5	7.62	27.4	6.78
		265.1	34.9	9.00	32.1	8.66	30.0	8.31	29.4	7.72	28.9	7.62	27.8	6.78
		318.0	35.1	9.00	32.4	8.66	30.2	8.31	29.5	7.72	29.2	7.62	28.1	6.78
	5	84.8	46.0	9.66	43.4	9.30	41.6	8.90	40.6	8.30	38.8	8.16	37.0	7.28
		106.0	46.2	9.70	43.5	9.34	41.6	8.96	40.6	8.34	38.8	8.21	37.0	7.31
		212.0	46.5	9.90	43.8	9.54	41.6	9.15	40.6	8.51	38.8	8.39	37.0	7.46
		265.1	46.5	9.98	43.8	9.60	41.6	9.22	40.6	8.57	38.8	8.42	37.0	7.53
		318.0	46.5	10.02	43.7	9.63	41.6	9.25	40.6	8.60	38.8	8.45	37.0	7.56
	10	84.8	46.3	8.87	43.6	8.49	41.6	8.08	40.6	7.55	38.8	7.40	37.0	6.63
		106.0	46.4	8.87	43.7	8.49	41.6	8.08	40.6	7.57	38.8	7.40	37.0	6.65
		212.0	46.5	8.87	43.8	8.49	41.6	8.08	40.6	7.66	38.8	7.38	37.0	6.72
		265.1	46.5	8.89	43.8	8.40	41.6	8.00	40.6	7.57	38.8	7.31	37.0	6.65
		318.0	46.5	8.90	43.7	8.36	41.6	7.95	40.6	7.53	38.8	7.28	37.0	6.62
	15	84.8	46.5	8.10	43.8	7.69	41.6	7.25	40.6	6.80	38.8	6.63	37.0	5.97
		106.0	46.5	8.04	43.8	7.63	41.6	7.21	40.6	6.80	38.8	6.59	37.0	5.97
		212.0	46.5	7.83	43.8	7.42	41.6	7.01	40.6	6.80	38.8	6.40	37.0	5.97
		265.1	46.5	7.83	43.8	7.21	41.6	6.80	40.6	6.59	38.8	6.19	37.0	5.78
		318.0	46.5	7.83	43.8	7.10	41.6	6.69	40.6	6.48	38.8	6.07	37.0	5.68
	20	84.8	46.5	7.07	43.8	6.63	41.6	6.24	40.6	6.02	38.8	5.83	37.0	5.40
		106.0	46.5	7.01	43.8	6.59	41.6	6.19	40.6	5.97	38.8	5.78	37.0	5.36
		212.0	46.5	6.80	43.8	6.40	41.6	5.97	40.6	5.78	38.8	5.57	37.0	5.16
		265.1	46.5	6.80	43.8	6.40	41.6	5.97	40.6	5.78	38.8	5.57	37.0	5.16
		318.0	46.5	6.80	43.8	6.40	41.6	5.97	40.6	5.78	38.8	5.57	37.0	5.16
	25	84.8	46.5	6.24	43.8	5.83	41.6	5.36	40.6	5.40	38.8	4.95	37.0	4.78
		106.0	46.5	6.19	43.8	5.78	41.6	5.36	40.6	5.36	38.8	4.95	37.0	4.74
		212.0	46.5	5.97	43.8	5.57	41.6	5.36	40.6	5.16	38.8	4.95	37.0	4.54
		265.1	46.5	5.97	43.8	5.57	41.6	5.16	40.6	5.16	38.8	4.95	37.0	4.54
		318.0	46.5	5.97	43.8	5.57	41.6	5.06	40.6	5.16	38.8	4.95	37.0	4.54
	30	84.8	46.5	5.62	43.8	5.21	41.6	5.00	40.6	4.78	38.8	4.60	37.0	4.39
		106.0	46.5	5.57	43.8	5.16	41.6	4.95	40.6	4.74	38.8	4.54	37.0	4.33
		212.0	46.5	5.36	43.8	4.95	41.6	4.74	40.6	4.54	38.8	4.33	37.0	4.12
		265.1	46.5	5.36	43.8	4.95	41.6	4.74	40.6	4.54	38.8	4.33	37.0	4.12
		318.0	46.5	5.36	43.8	4.95	41.6	4.74	40.6	4.54	38.8	4.33	37.0	4.12
	35	84.8	46.5	4.95	43.8	4.78	41.6	4.33	40.6	4.39	38.8	4.16	37.0	3.98
		106.0	46.5	4.95	43.8	4.74	41.6	4.33	40.6	4.33	38.8	4.12	37.0	3.92
		212.0	46.5	4.95	43.8	4.54	41.6	4.33	40.6	4.12	38.8	3.92	37.0	3.71
		265.1	46.5	4.95	43.8	4.54	41.6	4.12	40.6	4.12	38.8	3.92	37.0	3.71
		318.0	46.5	4.95	43.8	4.54	41.6	4.01	40.6	4.12	38.8	3.92	37.0	3.71
	40	84.8	46.5	4.54	43.8	4.39	41.6	3.92	40.6	3.98	38.8	3.77	37.0	3.50
		106.0	46.5	4.54	43.8	4.33	41.6	3.92	40.6	3.92	38.8	3.71	37.0	3.50
		212.0	46.5	4.54	43.8	4.12	41.6	3.92	40.6	3.71	38.8	3.50	37.0	3.50
		265.1	46.5	4.54	43.8	4.12	41.6	3.92	40.6	3.71	38.8	3.50	37.0	3.50
		318.0	46.5	4.54	43.8	4.12	41.6	3.92	40.6	3.71	38.8	3.50	37.0	3.50
	45	84.8	46.5	4.12	43.8	3.98	41.6	3.50	40.6	3.54	38.8	3.36	37.0	3.04
		106.0	46.5	4.12	43.8	3.92	41.6	3.50	40.6	3.50	38.8	3.30	37.0	3.09
		212.0	46.5	4.12	43.8	3.71	41.6	3.50	40.6	3.30	38.8	3.09	37.0	3.30
		265.1	46.5	4.12	43.8	3.71	41.6	3.71	40.6	3.30	38.8	3.09	37.0	3.30
		318.0	46.5	4.12	43.8	3.71	41.6	3.82	40.6	3.30	38.8	3.09	37.0	3.30
50	-5	84.8	15.5	4.83	14.6	4.57	13.8	4.33	13.5	4.09	13.5	3.83	13.2	3.63
		106.0	16.0	4.92	15.1	4.67	14.3	4.42	14.0	4.18	14.0	3.92	13.7	3.71
		212.0	18.1	5.33	17.0	5.07	16.2	4.78	15.9	4.54	15.9	4.27	15.5	4.01
		265.1	20.1	5.76	18.8	5.46	17.8	5.16	17.6	4.91	17.5	4.59	17.3	4.33
		318.0	21.0	5.98	19.8	5.65	18.7	5.36	18.4	5.09	18.2	4.75	18.1	4.49
	0	84.8	27.7	7.07	25.6	6.71	23.9	6.31	23.3	5.99	23.0	5.63	22.2	5.31
		106.0	27.8	7.08	25.8	6.72	24.0	6.33	23.4	6.01	23.1	5.65	22.3	5.33
		212.0	28.5	7.15	26.4	6.78	24.5	6.42	24.0	6.10	23.7	5.72	22.8	5.39
		265.1	28.9	7.15	26.7	6.78	24.8	6.42	24.4	6.10	24.0	5.72	23.2	5.39
		318.0	29.2	7.15	26.9	6.78	25.0	6.42	24.7	6.10	24.2	5.72	23.4	5.39
	5	84.8	38.3	7.68	36.3	7.28	34.6	6.87	33.8	6.54	32.3	6.13	30.8	5.77
		106.0	38.3	7.72	36.3	7.31	34.6	6.91	33.8	6.57	32.3	6.16	30.8	5.80
		212.0	38.7	7.87	36.6	7.46	34.7	7.06	33.8	6.69	32.3	6.27	30.8	5.93
		265.1	38.7	7.93	36.6	7.53	34.7	7.10	33.8	6.74	32.3	6.33	30.8	5.97
		318.0	38.7	7.96	36.5	7.56	34.7	7.12	33.8	6.77	32.3	6.36	30.8	5.99
	10	84.8	38.5	7.07	36.3	6.66	34.6	6.26	33.8	5.98	32.3	5.53	30.8	5.28
		106.0	38.5	7.06	36.4	6.65	34.6	6.25	33.8	5.97	32.3	5.54	30.8	5.27
		212.0	38.7	7.01	36.6	6.63	34.7	6.21	33.8	5.93	32.3	5.60	30.8	5.22
		265.1	38.7	7.06	36.6	6.65	34.7	6.22	33.8	5.95	32.3	5.53	30.8	5.25
		318.0	38.7	7.08	36.5	6.66	34.7	6.24	33.8	5.96	32.3	5.48	30.8	5.26
	15	84.8	38.7	6.45	36.6	6.02	34.7	5.62	33.8	5.40	32.3	4.95	30.8	4.78
		106.0	38.7	6.40	36.6	5.97	34.7	5.57	33.8	5.36	32.3	4.95	30.8	4.74
		212.0	38.7	6.19	36.6	5.78	34.7	5.36	33.8	5.16	32.3	4.95	30.8	4.54
		265.1	38.7	6.19	36.6	5.78	34.7	5.36	33.8	5.16	32.3	4.74	30.8	4.54
		318.0	38.7	6.19	36.6	5.78	34.7	5.36	33.8	5.16	32.3	4.63	30.8	4.54
	20	84.8	38.7	5.62	36.6	5.21	34.7	5.00	33.8	4.78	32.3	4.60	30.8	4.12
		106.0	38.7	5.57	36.6	5.16	34.7	4.95	33.8	4.74	32.3	4.54	30.8	4.12
		212.0	38.7	5.36	36.6	4.95	34.7	4.74	33.8	4.54	32.3	4.33	30.8	4.12
		265.1	38.7	5.36	36.6	4.95	34.7	4.74	33.8	4.54	32.3	4.33	30.8	4.12
		318.0	38.7	5.36	36.6	4.95	34.7	4.74	33.8	4.54	32.3	4.33	30.8	4.12

7. Capacity tables

Heating Capacity (22 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	25	84.8	38.7	5.00	36.6	4.54	34.7	4.39	33.8	4.12	32.3	3.92	30.8	3.71
		106.0	38.7	4.95	36.6	4.54	34.7	4.33	33.8	4.12	32.3	3.92	30.8	3.71
		212.0	38.7	4.74	36.6	4.54	34.7	4.12	33.8	4.12	32.3	3.92	30.8	3.71
		265.1	38.7	4.74	36.6	4.54	34.7	4.12	33.8	4.12	32.3	3.92	30.8	3.71
		318.0	38.7	4.74	36.6	4.54	34.7	4.12	33.8	4.12	32.3	3.92	30.8	3.71
	30	84.8	38.7	4.60	36.6	4.16	34.7	3.98	33.8	3.71	32.3	3.77	30.8	3.54
		106.0	38.7	4.54	36.6	4.12	34.7	3.92	33.8	3.71	32.3	3.71	30.8	3.50
		212.0	38.7	4.33	36.6	3.92	34.7	3.71	33.8	3.71	32.3	3.50	30.8	3.30
		265.1	38.7	4.33	36.6	3.92	34.7	3.71	33.8	3.71	32.3	3.50	30.8	3.30
		318.0	38.7	4.33	36.6	3.92	34.7	3.71	33.8	3.71	32.3	3.50	30.8	3.30
	35	84.8	38.7	4.16	36.6	3.71	34.7	3.50	33.8	3.54	32.3	3.30	30.8	3.09
		106.0	38.7	4.12	36.6	3.71	34.7	3.50	33.8	3.50	32.3	3.30	30.8	3.09
		212.0	38.7	3.92	36.6	3.71	34.7	3.50	33.8	3.30	32.3	3.30	30.8	3.09
		265.1	38.7	3.92	36.6	3.71	34.7	3.50	33.8	3.30	32.3	3.30	30.8	3.09
		318.0	38.7	3.92	36.6	3.71	34.7	3.50	33.8	3.30	32.3	3.30	30.8	3.09
	40	84.8	38.7	3.77	36.6	3.54	34.7	3.36	33.8	3.09	32.3	3.15	30.8	2.88
		106.0	38.7	3.71	36.6	3.50	34.7	3.30	33.8	3.09	32.3	3.09	30.8	2.88
		212.0	38.7	3.50	36.6	3.30	34.7	3.09	33.8	3.09	32.3	2.88	30.8	2.88
		265.1	38.7	3.50	36.6	3.30	34.7	3.09	33.8	3.09	32.3	2.88	30.8	2.88
		318.0	38.7	3.50	36.6	3.30	34.7	3.09	33.8	3.09	32.3	2.88	30.8	2.88
	45	84.8	38.7	3.36	36.6	3.41	34.7	3.19	33.8	2.64	32.3	2.98	30.8	2.68
		106.0	38.7	3.30	36.6	3.30	34.7	3.09	33.8	2.68	32.3	2.88	30.8	2.68
		212.0	38.7	3.09	36.6	2.88	34.7	2.68	33.8	2.88	32.3	2.47	30.8	2.68
		265.1	38.7	3.09	36.6	2.88	34.7	2.68	33.8	2.88	32.3	2.47	30.8	2.68
		318.0	38.7	3.09	36.6	2.88	34.7	2.68	33.8	2.88	32.3	2.47	30.8	2.68

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB240LSA4

Heating Capacity (24 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	92.4	35.8	14.15	35.5	13.33	35.3	12.40	34.8	12.04	35.2	11.72	34.3	10.50
		115.5	37.0	14.40	36.7	13.58	36.5	12.67	36.0	12.30	36.5	11.97	35.5	10.73
		231.0	41.8	15.38	41.5	14.60	41.3	13.74	40.8	13.35	41.2	12.98	40.1	11.64
		288.8	46.3	16.35	45.8	15.61	45.6	14.82	45.1	14.42	45.6	14.00	44.4	12.55
		346.5	48.5	16.85	48.0	16.11	47.7	15.36	47.2	14.96	47.8	14.52	46.5	13.01
	0	92.4	63.9	19.35	62.4	18.77	61.1	18.16	59.8	17.65	60.0	17.17	57.3	15.38
		115.5	64.3	19.40	62.8	18.82	61.5	18.22	60.2	17.71	60.3	17.21	57.6	15.42
		231.0	65.8	19.61	64.3	19.00	62.9	18.42	61.5	17.91	61.7	17.40	59.0	15.61
		288.8	66.8	19.61	65.2	19.00	63.8	18.42	62.4	17.91	62.7	17.40	59.8	15.61
		346.5	67.3	19.61	65.7	19.00	64.3	18.42	62.9	17.91	63.1	17.40	60.3	15.61
	5	92.4	92.0	20.80	90.7	20.29	88.8	19.77	86.5	19.21	84.2	18.68	79.5	16.73
		115.5	92.4	20.90	90.8	20.39	88.8	19.87	86.5	19.31	84.2	18.77	79.5	16.82
		231.0	93.6	21.27	91.4	20.75	88.8	20.27	86.5	19.71	84.2	19.15	79.5	17.17
		288.8	94.1	21.41	91.7	20.90	88.8	20.41	86.5	19.84	84.2	19.28	79.5	17.28
		346.5	94.5	21.48	91.9	20.97	88.8	20.47	86.5	19.91	84.2	19.36	79.5	17.34
	10	92.4	92.1	18.93	90.7	18.29	88.5	17.94	86.2	17.55	83.8	16.95	79.2	15.29
		115.5	92.7	18.89	91.0	18.31	88.8	17.98	86.5	17.54	84.2	16.93	79.5	15.28
		231.0	94.8	18.75	92.7	18.37	90.2	18.12	87.9	17.51	85.4	16.89	80.8	15.23
		288.8	95.3	19.00	93.4	18.64	90.8	18.19	88.3	17.59	86.0	17.17	81.3	15.96
		346.5	95.6	19.13	93.7	18.77	91.0	18.22	88.5	17.63	86.3	17.31	81.6	16.32
	15	92.4	92.2	17.06	90.7	16.32	88.1	16.16	85.7	15.89	83.5	15.21	78.9	13.86
		115.5	93.1	16.89	91.4	16.26	88.8	16.12	86.5	15.77	84.2	15.10	79.5	13.74
		231.0	96.0	16.21	94.1	15.98	91.7	15.98	89.3	15.30	86.7	14.63	82.1	13.28
		288.8	96.5	16.60	95.0	16.35	92.7	15.98	90.2	15.30	87.9	15.05	83.0	14.63
		346.5	96.8	16.80	95.5	16.54	93.3	15.98	90.7	15.30	88.5	15.26	83.5	15.31
	20	92.4	95.8	15.65	94.1	14.92	91.5	14.60	89.0	14.12	86.4	13.81	81.3	13.39
		115.5	96.5	15.54	94.8	14.91	92.2	14.58	89.7	14.19	87.2	13.91	82.1	13.28
		231.0	99.6	15.10	97.9	14.86	95.1	14.54	92.6	14.42	90.2	14.27	85.1	12.83
		288.8	100.0	15.10	98.6	14.86	96.2	14.63	93.4	14.42	90.9	14.27	85.7	13.65
		346.5	100.3	15.10	98.9	14.86	96.8	14.67	93.9	14.42	91.2	14.27	86.2	14.06
	25	92.4	101.1	14.92	98.6	14.49	96.2	14.24	94.4	14.01	92.2	13.81	86.9	12.90
		115.5	101.1	14.86	98.6	14.47	96.2	14.19	94.4	13.95	92.2	13.74	86.9	12.83
		231.0	101.1	14.63	98.6	14.37	96.2	13.95	94.4	13.74	92.2	13.51	86.9	12.60
		288.8	101.1	14.42	98.6	14.00	96.2	13.74	94.4	13.51	92.2	13.28	86.9	12.39
		346.5	101.1	14.32	98.6	13.81	96.2	13.64	94.4	13.39	92.2	13.16	86.9	12.29
	30	92.4	101.1	14.54	98.6	13.81	96.2	13.69	94.4	13.33	92.2	13.18	86.9	12.27
		115.5	101.1	14.42	98.6	13.79	96.2	13.61	94.4	13.28	92.2	13.07	86.9	12.16
		231.0	101.1	13.95	98.6	13.69	96.2	13.28	94.4	13.07	92.2	12.60	86.9	11.72
		288.8	101.1	13.74	98.6	13.33	96.2	13.07	94.4	12.83	92.2	12.60	86.9	11.72
		346.5	101.1	13.64	98.6	13.13	96.2	12.96	94.4	12.72	92.2	12.60	86.9	11.72
	35	92.4	101.1	13.86	98.6	13.40	96.2	13.13	94.4	12.65	92.2	12.22	86.9	11.36
		115.5	101.1	13.74	98.6	13.33	96.2	13.07	94.4	12.60	92.2	12.16	86.9	11.25
		231.0	101.1	13.28	98.6	13.02	96.2	12.83	94.4	12.39	92.2	11.92	86.9	10.81
		288.8	101.1	13.28	98.6	12.88	96.2	12.60	94.4	12.16	92.2	11.72	86.9	10.81
		346.5	101.1	13.28	98.6	12.81	96.2	12.48	94.4	12.04	92.2	11.61	86.9	10.81
	40	92.4	101.1	13.39	98.6	12.96	96.2	12.72	94.4	12.27	92.2	11.84	86.9	10.68
		115.5	101.1	13.28	98.6	12.88	96.2	12.60	94.4	12.16	92.2	11.72	86.9	10.58
		231.0	101.1	12.83	98.6	12.55	96.2	12.16	94.4	11.72	92.2	11.25	86.9	10.14
		288.8	101.1	12.60	98.6	12.35	96.2	12.16	94.4	11.72	92.2	11.25	86.9	10.14
		346.5	101.1	12.48	98.6	12.24	96.2	12.16	94.4	11.72	92.2	11.25	86.9	10.14
	45	92.4	101.1	12.95	98.6	12.52	96.2	12.33	94.4	11.89	92.2	11.42	86.9	10.01
		115.5	101.1	12.83	98.6	12.44	96.2	12.16	94.4	11.72	92.2	11.25	86.9	9.90
		231.0	101.1	12.39	98.6	12.11	96.2	11.48	94.4	11.04	92.2	10.58	86.9	9.46
		288.8	101.1	11.92	98.6	11.81	96.2	11.72	94.4	11.25	92.2	10.81	86.9	9.46
		346.5	101.1	11.69	98.6	11.66	96.2	11.84	94.4	11.36	92.2	10.93	86.9	9.46
120	-5	92.4	34.0	14.15	33.8	13.33	33.6	12.40	33.1	11.87	33.4	11.53	32.5	10.32
		115.5	35.2	14.40	34.8	13.58	34.6	12.67	34.3	12.14	34.5	11.79	33.6	10.55
		231.0	39.8	15.38	39.4	14.60	39.3	13.74	38.7	13.16	39.1	12.78	38.1	11.46
		288.8	43.9	16.35	43.6	15.61	43.4	14.82	42.8	14.21	43.2	13.79	42.0	12.35
		346.5	46.1	16.85	45.7	16.11	45.4	15.36	44.9	14.73	45.2	14.29	43.9	12.80
	0	92.4	60.7	19.35	59.3	18.77	58.0	18.16	56.9	17.40	56.9	16.91	54.2	15.12
		115.5	61.1	19.40	59.6	18.82	58.3	18.22	57.2	17.45	57.2	16.95	54.5	15.16
		231.0	62.5	19.61	61.0	19.00	59.8	18.42	58.5	17.66	58.5	17.15	55.9	15.35
		288.8	63.5	19.61	62.0	19.00	60.7	18.42	59.5	17.66	59.3	17.15	56.7	15.35
		346.5	64.0	19.61	62.6	19.00	61.2	18.42	59.9	17.66	59.8	17.15	57.2	15.35
	5	92.4	87.6	20.80	86.2	20.29	84.4	19.77	82.3	18.93	79.7	18.40	75.4	16.48
		115.5	87.9	20.90	86.4	20.39	84.4	19.87	82.3	19.03	79.7	18.49	75.4	16.57
		231.0	89.2	21.27	87.1	20.75	84.4	20.27	82.3	19.43	79.7	18.87	75.4	16.89
		288.8	89.7	21.41	86.6	20.90	84.4	20.41	82.3	19.56	79.7	19.00	75.4	17.00
		346.5	89.9	21.48	86.4	20.97	84.4	20.47	82.3	19.64	79.7	19.08	75.4	17.06
	10	92.4	87.9	18.69	86.3	18.17	84.2	17.80	82.1	17.26	79.5	16.69	75.2	15.00
		115.5	88.3	18.75	86.6	18.24	84.4	17.86	82.3	17.28	79.7	16.68	75.4	15.03
		231.0	90.0	19.00	88.1	18.52	85.3	18.12	83.3	17.38	80.6	16.63	76.1	15.10
		288.8	90.5	18.94	87.8	18.52	85.7	18.19	83.6	17.45	80.9	16.70	76.5	15.61
		346.5	90.7	18.90	87.6	18.52	85.9	18.22	83.8	17.48	81.1	16.74	76.7	15.86

7. Capacity tables

Heating Capacity (24 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	15	92.4	88.1	16.57	86.4	16.09	83.9	15.83	81.9	15.59	79.4	14.97	74.9	13.57
		115.5	88.7	16.60	86.9	16.12	84.4	15.86	82.3	15.54	79.7	14.86	75.4	13.51
		231.0	90.7	16.75	89.0	16.26	86.3	15.98	84.2	15.30	81.4	14.42	77.0	13.28
		288.8	91.2	16.49	89.0	16.12	86.9	15.98	84.9	15.30	82.1	14.42	77.7	14.19
		346.5	91.5	16.36	89.0	16.05	87.4	15.98	85.2	15.30	82.4	14.42	78.0	14.65
	20	92.4	90.7	14.91	89.0	14.27	86.2	13.89	83.8	13.69	81.1	13.52	76.8	12.83
		115.5	91.2	14.91	89.5	14.32	86.7	13.95	84.4	13.74	81.6	13.51	77.2	12.78
		231.0	93.6	14.91	91.6	14.54	88.6	14.19	86.5	13.95	83.7	13.46	79.0	12.60
		288.8	93.9	14.77	91.5	14.42	89.3	14.19	86.9	13.95	84.2	13.51	79.5	13.07
		346.5	94.1	14.70	91.5	14.36	89.7	14.19	87.3	13.95	84.4	13.53	79.7	13.30
	25	92.4	95.0	14.10	92.2	13.44	89.3	13.18	87.4	12.90	85.1	12.65	80.4	11.77
		115.5	95.1	14.04	92.2	13.41	89.3	13.16	87.4	12.83	85.1	12.60	80.4	11.72
		231.0	95.3	13.84	92.2	13.33	89.3	13.07	87.4	12.60	85.1	12.39	80.4	11.48
		288.8	95.6	13.33	92.2	12.98	89.3	12.83	87.4	12.60	85.1	12.16	80.4	11.48
		346.5	95.7	13.06	92.2	12.80	89.3	12.72	87.4	12.60	85.1	12.04	80.4	11.48
	30	92.4	95.6	13.48	92.2	12.82	89.3	12.45	87.4	11.97	85.1	11.84	80.4	10.87
		115.5	95.6	13.37	92.2	12.75	89.3	12.39	87.4	11.92	85.1	11.72	80.4	10.81
		231.0	95.6	12.93	92.2	12.44	89.3	12.16	87.4	11.72	85.1	11.25	80.4	10.58
		288.8	95.6	12.50	92.2	12.16	89.3	11.92	87.4	11.72	85.1	11.25	80.4	10.37
		346.5	95.6	12.30	92.2	12.02	89.3	11.81	87.4	11.72	85.1	11.25	80.4	10.26
	35	92.4	95.6	12.88	92.2	12.17	89.3	11.84	87.4	11.36	85.1	10.92	80.4	9.95
		115.5	95.6	12.70	92.2	12.07	89.3	11.72	87.4	11.25	85.1	10.81	80.4	9.90
		231.0	95.6	11.97	92.2	11.62	89.3	11.25	87.4	10.81	85.1	10.37	80.4	9.69
		288.8	95.6	11.84	92.2	11.53	89.3	11.25	87.4	10.81	85.1	10.37	80.4	9.46
		346.5	95.6	11.76	92.2	11.48	89.3	11.25	87.4	10.81	85.1	10.37	80.4	9.34
	40	92.4	95.6	12.50	92.2	11.62	89.3	11.16	87.4	10.68	85.1	10.25	80.4	9.28
		115.5	95.6	12.25	92.2	11.48	89.3	11.04	87.4	10.58	85.1	10.14	80.4	9.23
		231.0	95.6	11.30	92.2	10.95	89.3	10.58	87.4	10.14	85.1	9.69	80.4	9.01
		288.8	95.6	11.16	92.2	10.81	89.3	10.58	87.4	10.14	85.1	9.69	80.4	8.78
		346.5	95.6	11.08	92.2	10.73	89.3	10.58	87.4	10.14	85.1	9.69	80.4	8.66
	45	92.4	95.6	12.11	92.2	11.06	89.3	10.48	87.4	10.01	85.1	9.57	80.4	8.60
		115.5	95.6	11.81	92.2	10.90	89.3	10.37	87.4	9.90	85.1	9.46	80.4	8.55
		231.0	95.6	10.62	92.2	10.27	89.3	9.90	87.4	9.46	85.1	9.01	80.4	8.34
		288.8	95.6	10.48	92.2	10.09	89.3	9.90	87.4	9.46	85.1	9.01	80.4	8.10
		346.5	95.6	10.42	92.2	9.99	89.3	9.90	87.4	9.46	85.1	9.01	80.4	7.99
110	-5	92.4	32.2	14.34	31.9	13.33	31.7	12.40	31.4	11.87	31.5	11.53	30.8	10.32
		115.5	33.3	14.58	33.1	13.58	32.9	12.67	32.5	12.14	32.6	11.79	31.9	10.55
		231.0	37.6	15.56	37.4	14.60	37.2	13.74	36.8	13.16	36.8	12.78	36.0	11.46
		288.8	41.5	16.57	41.3	15.61	41.1	14.82	40.6	14.21	40.6	13.79	39.8	12.35
		346.5	43.5	17.07	43.2	16.11	43.0	15.36	42.5	14.73	42.5	14.29	41.7	12.80
	0	92.4	57.4	19.61	56.2	18.77	55.0	18.16	54.0	17.40	53.5	16.91	51.4	15.12
		115.5	57.8	19.66	56.6	18.82	55.4	18.22	54.3	17.45	53.8	16.95	51.8	15.16
		231.0	59.1	19.84	57.9	19.00	56.6	18.42	55.5	17.66	55.0	17.15	53.0	15.35
		288.8	60.0	19.84	58.8	19.00	57.6	18.42	56.4	17.66	55.9	17.15	53.7	15.35
		346.5	60.5	19.84	59.3	19.00	58.0	18.42	56.8	17.66	56.4	17.15	54.1	15.35
	5	92.4	83.8	21.08	81.8	20.29	79.9	19.77	78.2	18.93	75.1	18.40	71.5	16.48
		115.5	84.1	21.17	82.0	20.39	79.9	19.87	78.2	19.03	75.1	18.49	71.5	16.57
		231.0	85.2	21.55	82.6	20.75	80.0	20.27	78.2	19.43	75.1	18.87	71.5	16.89
		288.8	85.7	21.68	82.8	20.90	80.0	20.41	78.2	19.56	75.1	19.00	71.5	17.00
		346.5	86.0	21.76	83.0	20.97	80.0	20.47	78.2	19.64	75.1	19.08	71.5	17.06
	10	92.4	84.2	18.90	82.1	18.26	79.9	17.86	78.0	17.26	74.9	16.69	71.3	15.00
		115.5	84.5	18.94	82.3	18.31	79.9	17.91	78.2	17.28	75.1	16.68	71.5	15.03
		231.0	85.7	19.08	83.1	18.52	80.4	18.12	78.7	17.38	75.6	16.63	71.8	15.10
		288.8	86.2	19.08	83.5	18.52	80.7	18.07	78.7	17.33	75.8	16.70	72.0	15.26
		346.5	86.4	19.08	83.7	18.52	80.9	18.06	78.8	17.31	75.8	16.74	72.1	15.34
	15	92.4	84.4	16.72	82.1	16.26	79.7	15.98	77.9	15.59	74.9	14.97	71.3	13.57
		115.5	84.7	16.70	82.5	16.26	80.0	15.98	78.2	15.54	75.1	14.86	71.5	13.51
		231.0	86.2	16.60	83.7	16.26	80.9	15.98	79.0	15.30	76.1	14.42	72.2	13.28
		288.8	86.6	16.49	84.1	16.12	81.4	15.77	79.4	15.10	76.3	14.42	72.5	13.51
		346.5	86.9	16.44	84.3	16.05	81.6	15.66	79.5	14.98	76.4	14.42	72.8	13.63
	20	92.4	85.9	14.44	83.6	14.09	80.9	13.74	78.7	13.51	75.9	13.13	71.8	12.27
		115.5	86.4	14.47	83.9	14.09	81.1	13.74	79.0	13.51	76.1	13.07	72.2	12.25
		231.0	88.3	14.58	85.0	14.09	82.1	13.74	80.2	13.51	77.0	12.83	73.2	12.16
		288.8	88.8	14.58	85.7	14.09	82.6	13.74	80.4	13.28	77.5	12.83	73.5	12.16
		346.5	89.0	14.58	86.1	14.09	82.8	13.74	80.6	13.16	77.7	12.83	73.6	12.16
	25	92.4	88.6	13.13	86.0	12.65	82.6	12.45	80.7	11.97	78.0	11.54	73.7	10.58
		115.5	88.8	13.11	86.0	12.60	82.6	12.39	80.7	11.92	78.0	11.48	73.7	10.58
		231.0	89.5	13.02	86.0	12.39	82.6	12.16	80.7	11.72	78.0	11.25	73.7	10.58
		288.8	90.0	13.02	86.0	12.44	82.6	11.92	80.7	11.72	78.0	11.04	73.7	10.37
		346.5	90.2	13.02	86.0	12.47	82.6	11.81	80.7	11.72	78.0	10.93	73.7	10.26
	30	92.4	90.0	11.97	86.0	11.54	82.6	11.10	80.7	10.87	78.0	10.19	73.7	9.51
		115.5	90.0	11.92	86.0	11.48	82.6	11.04	80.7	10.81	78.0	10.14	73.7	9.46
		231.0	90.0	11.72	86.0	11.25	82.6	10.81	80.7	10.58	78.0	9.90	73.7	9.23
		288.8	90.0	11.62	86.0	11.04	82.6	10.58	80.7	10.37	78.0	9.90	73.7	9.23
		346.5	90.0	11.58	86.0	10.93	82.6	10.45	80.7	10.26	78.0	9.90	73.7	9.23
	35	92.4	90.0	11.36	86.0	10.63	82.6	10.19	80.7	9.75	78.0	9.28	73.7	8.60
		115.5	90.0	11.25	86.0	10.58	82.6	10.14	80.7	9.69	78.0	9.23	73.7	8.55
		231.0	90.0	10.81	86.0	10.37	82.6	9.90	80.7	9.46	78.0	9.01	73.7	8.34
		288.8	90.0	10.53	86.0	10.14	82.6	9.69	80.7	9.46	78.0	9.01	73.7	8.34
		346.5	90.0	10.39	86.0	10.02	82.6	9.59	80.7	9.46	78.0	9.01	73.7	8.34

7. Capacity tables

Heating Capacity (24 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	40	92.4	90.0	10.68	86.0	10.25	82.6	9.57	80.7	9.08	78.0	8.60	73.7	7.92
		115.5	90.0	10.58	86.0	10.14	82.6	9.46	80.7	9.01	78.0	8.55	73.7	7.87
		231.0	90.0	10.14	86.0	9.69	82.6	9.01	80.7	8.78	78.0	8.34	73.7	7.66
		288.8	90.0	9.99	86.0	9.46	82.6	9.01	80.7	8.55	78.0	8.10	73.7	7.43
		346.5	90.0	9.92	86.0	9.34	82.6	9.01	80.7	8.43	78.0	7.99	73.7	7.31
	45	92.4	90.0	10.01	86.0	9.86	82.6	8.95	80.7	8.40	78.0	7.92	73.7	7.25
		115.5	90.0	9.90	86.0	9.69	82.6	8.78	80.7	8.34	78.0	7.87	73.7	7.19
		231.0	90.0	9.46	86.0	9.01	82.6	8.10	80.7	8.10	78.0	7.66	73.7	6.99
		288.8	90.0	9.46	86.0	8.78	82.6	8.34	80.7	7.66	78.0	7.19	73.7	6.52
		346.5	90.0	9.46	86.0	8.66	82.6	8.45	80.7	7.44	78.0	6.96	73.7	6.29
100	-5	92.4	30.4	14.34	30.2	13.51	30.0	12.40	29.8	11.87	29.5	11.35	29.0	10.32
		115.5	31.4	14.58	31.2	13.76	31.1	12.67	30.8	12.14	30.5	11.60	30.0	10.55
		231.0	35.6	15.56	35.3	14.79	35.2	13.74	34.8	13.16	34.5	12.60	34.0	11.46
		288.8	39.3	16.57	39.1	15.81	38.8	14.82	38.4	14.21	38.2	13.58	37.5	12.35
		346.5	41.2	17.07	40.8	16.34	40.6	15.36	40.3	14.73	40.1	14.07	39.3	12.80
	0	92.4	54.3	19.61	53.1	19.03	52.0	18.16	51.1	17.40	50.2	16.65	48.5	15.12
		115.5	54.7	19.66	53.5	19.08	52.3	18.22	51.4	17.45	50.5	16.70	48.7	15.16
		231.0	55.9	19.84	54.7	19.26	53.5	18.42	52.6	17.66	51.7	16.89	49.9	15.35
		288.8	56.7	19.84	55.5	19.26	54.4	18.42	53.3	17.66	52.5	16.89	50.6	15.35
		346.5	57.2	19.84	56.0	19.26	54.8	18.42	53.8	17.66	52.8	16.89	51.1	15.35
	5	92.4	80.2	21.08	77.5	20.57	75.5	19.77	74.0	18.93	70.5	18.12	67.2	16.48
		115.5	80.4	21.17	77.6	20.66	75.6	19.87	74.0	19.03	70.5	18.22	67.2	16.57
		231.0	81.6	21.55	78.2	21.03	75.6	20.27	74.0	19.43	70.5	18.59	67.2	16.89
		288.8	82.1	21.68	78.4	21.17	75.6	20.41	74.0	19.56	70.5	18.70	67.2	17.00
		346.5	82.3	21.76	78.5	21.25	75.6	20.47	74.0	19.64	70.5	18.77	67.2	17.06
	10	92.4	80.6	18.85	77.8	18.44	75.6	17.86	74.0	17.26	70.5	16.40	67.2	15.00
		115.5	80.8	18.94	77.8	18.49	75.6	17.91	74.0	17.28	70.5	16.42	67.2	15.03
		231.0	81.6	19.28	78.3	18.73	75.6	18.12	74.0	17.38	70.5	16.49	67.2	15.10
		288.8	82.1	19.22	78.7	18.73	75.6	18.07	74.0	17.33	70.5	16.44	67.2	15.03
		346.5	82.4	19.18	78.8	18.73	75.6	18.06	74.0	17.31	70.5	16.42	67.2	14.98
	15	92.4	81.1	16.62	78.0	16.34	75.6	15.98	74.0	15.59	70.5	14.68	67.2	13.57
		115.5	81.1	16.70	78.2	16.35	75.6	15.98	74.0	15.54	70.5	14.63	67.2	13.51
		231.0	81.6	17.03	78.3	16.40	75.6	15.98	74.0	15.30	70.5	14.42	67.2	13.28
		288.8	82.3	16.75	78.7	16.26	75.6	15.77	74.0	15.10	70.5	14.19	67.2	13.07
		346.5	82.6	16.60	79.0	16.19	75.6	15.66	74.0	14.98	70.5	14.07	67.2	12.96
	20	92.4	81.5	14.22	78.5	13.84	75.6	13.51	74.0	13.33	70.5	12.45	67.2	11.84
		115.5	81.8	14.27	78.5	13.86	75.6	13.51	74.0	13.28	70.5	12.39	67.2	11.72
		231.0	83.0	14.54	78.7	13.91	75.6	13.51	74.0	13.07	70.5	12.16	67.2	11.25
		288.8	83.5	14.27	79.5	13.79	75.6	13.28	74.0	12.83	70.5	11.92	67.2	11.04
		346.5	83.7	14.15	79.9	13.73	75.6	13.16	74.0	12.72	70.5	11.81	67.2	10.93
	25	92.4	82.5	12.42	79.7	12.04	75.6	11.54	74.0	11.10	70.5	10.42	67.2	9.46
		115.5	82.8	12.44	79.7	11.97	75.6	11.48	74.0	11.04	70.5	10.37	67.2	9.46
		231.0	84.0	12.48	79.7	11.72	75.6	11.25	74.0	10.81	70.5	10.14	67.2	9.46
		288.8	84.4	12.20	79.7	11.62	75.6	11.04	74.0	10.58	70.5	10.14	67.2	9.23
		346.5	84.7	12.07	79.7	11.58	75.6	10.93	74.0	10.45	70.5	10.14	67.2	9.11
	30	92.4	84.4	11.31	79.7	10.42	75.6	9.71	74.0	9.51	70.5	8.78	67.2	8.40
		115.5	84.4	11.25	79.7	10.37	75.6	9.69	74.0	9.46	70.5	8.78	67.2	8.34
		231.0	84.4	11.04	79.7	10.14	75.6	9.59	74.0	9.23	70.5	8.78	67.2	8.10
		288.8	84.4	10.81	79.7	10.14	75.6	9.46	74.0	9.23	70.5	8.55	67.2	8.10
		346.5	84.4	10.70	79.7	10.14	75.6	9.39	74.0	9.23	70.5	8.43	67.2	8.10
	35	92.4	84.4	10.48	79.7	9.57	75.6	8.57	74.0	8.40	70.5	7.92	67.2	7.25
		115.5	84.4	10.37	79.7	9.46	75.6	8.55	74.0	8.34	70.5	7.87	67.2	7.19
		231.0	84.4	9.90	79.7	9.01	75.6	8.45	74.0	8.10	70.5	7.66	67.2	6.99
		288.8	84.4	9.90	79.7	9.01	75.6	8.34	74.0	8.10	70.5	7.66	67.2	6.99
		346.5	84.4	9.90	79.7	9.01	75.6	8.28	74.0	8.10	70.5	7.66	67.2	6.99
	40	92.4	84.4	9.81	79.7	8.90	75.6	7.69	74.0	7.49	70.5	7.05	67.2	6.58
		115.5	84.4	9.69	79.7	8.78	75.6	7.66	74.0	7.43	70.5	6.99	67.2	6.52
		231.0	84.4	9.23	79.7	8.34	75.6	7.57	74.0	7.19	70.5	6.76	67.2	6.32
		288.8	84.4	9.01	79.7	8.34	75.6	7.43	74.0	7.19	70.5	6.76	67.2	6.32
		346.5	84.4	8.91	79.7	8.34	75.6	7.36	74.0	7.19	70.5	6.76	67.2	6.32
	45	92.4	84.4	9.13	79.7	8.22	75.6	6.78	74.0	6.58	70.5	6.14	67.2	5.90
		115.5	84.4	9.01	79.7	8.10	75.6	6.76	74.0	6.52	70.5	6.08	67.2	5.85
		231.0	84.4	8.55	79.7	7.66	75.6	6.66	74.0	6.32	70.5	5.85	67.2	5.64
		288.8	84.4	8.10	79.7	7.66	75.6	6.52	74.0	6.32	70.5	5.85	67.2	5.64
		346.5	84.4	7.89	79.7	7.66	75.6	6.45	74.0	6.32	70.5	5.85	67.2	5.64
90	-5	92.4	28.7	13.31	27.8	12.12	26.9	10.65	26.8	10.14	26.6	9.77	26.1	8.78
		115.5	29.7	13.53	28.8	12.35	27.9	10.88	27.7	10.37	27.5	9.99	27.1	8.96
		231.0	33.6	14.44	32.6	13.26	31.6	11.81	31.4	11.25	31.2	10.85	30.5	9.74
		288.8	37.2	15.35	36.0	14.19	34.8	12.75	34.6	12.14	34.4	11.69	33.8	10.50
		346.5	38.9	15.81	37.7	14.65	36.5	13.21	36.2	12.58	36.0	12.12	35.3	10.90
	0	92.4	51.3	18.12	49.0	17.00	46.7	15.61	46.0	14.89	45.2	14.33	43.5	12.87
		115.5	51.6	18.17	49.2	17.05	47.0	15.66	46.3	14.93	45.5	14.37	43.9	12.90
		231.0	52.8	18.36	50.4	17.23	48.1	15.81	47.3	15.10	46.6	14.54	44.9	13.05
		288.8	53.6	18.36	51.1	17.23	48.9	15.81	48.0	15.10	47.3	14.54	45.6	13.05
		346.5	54.0	18.36	51.6	17.23	49.2	15.81	48.4	15.10	47.7	14.54	45.9	13.05
	5	92.4	72.5	19.45	70.1	18.36	67.9	17.00	66.5	16.20	63.6	15.59	60.5	14.00
		115.5	72.5	19.54	70.1	18.45	67.9	17.08	66.5	16.29	63.6	15.68	60.5	14.07
		231.0	72.9	19.89	69.9	18.80	67.9	17.40	66.5	16.60	63.6	16.01	60.5	14.35
		288.8	73.2	20.01	70.1	18.92	67.9	17.54	66.5	16.72	63.6	16.12	60.5	14.47
		346.5	73.5	20.07	70.3	18.97	67.9	17.61	66.5	16.78	63.6	16.17	60.5	14.52

7. Capacity tables

Heating Capacity (24 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	10	92.4	72.9	17.18	70.4	16.34	67.9	15.38	66.5	14.75	63.6	14.15	60.5	12.75
		115.5	72.9	17.19	70.3	16.35	67.9	15.40	66.5	14.77	63.6	14.14	60.5	12.77
		231.0	72.7	17.23	70.0	16.42	67.9	15.46	66.5	14.83	63.6	14.09	60.5	12.81
		288.8	73.2	17.19	70.1	16.37	67.9	15.42	66.5	14.79	63.6	14.14	60.5	12.86
		346.5	73.4	17.17	70.3	16.35	67.9	15.40	66.5	14.77	63.6	14.16	60.5	12.88
	15	92.4	73.2	14.87	70.6	14.34	67.9	13.81	66.5	13.33	63.6	12.72	60.5	11.54
		115.5	73.2	14.82	70.5	14.27	67.9	13.74	66.5	13.28	63.6	12.60	60.5	11.48
		231.0	72.7	14.58	70.1	14.04	67.9	13.51	66.5	13.07	63.6	12.16	60.5	11.25
		288.8	73.2	14.37	70.3	13.84	67.9	13.28	66.5	12.83	63.6	12.16	60.5	11.25
		346.5	73.4	14.27	70.3	13.73	67.9	13.16	66.5	12.72	63.6	12.16	60.5	11.25
	20	92.4	73.7	12.55	71.0	12.19	67.9	11.77	66.5	11.31	63.6	10.92	60.5	10.25
		115.5	73.7	12.55	70.8	12.16	67.9	11.72	66.5	11.25	63.6	10.81	60.5	10.14
		231.0	73.4	12.55	70.3	12.02	67.9	11.48	66.5	11.04	63.6	10.37	60.5	9.69
		288.8	73.6	12.35	70.5	11.92	67.9	11.48	66.5	11.04	63.6	10.37	60.5	9.69
		346.5	73.7	12.24	70.6	11.88	67.9	11.48	66.5	11.04	63.6	10.37	60.5	9.69
	25	92.4	74.9	10.97	71.8	10.39	67.9	9.95	66.5	9.46	63.6	9.08	60.5	8.40
		115.5	75.1	10.95	71.8	10.37	67.9	9.90	66.5	9.46	63.6	9.01	60.5	8.34
		231.0	75.8	10.85	71.8	10.27	67.9	9.69	66.5	9.46	63.6	8.78	60.5	8.10
		288.8	76.1	10.58	71.8	10.04	67.9	9.69	66.5	9.23	63.6	8.78	60.5	8.10
		346.5	76.3	10.43	71.8	9.92	67.9	9.69	66.5	9.11	63.6	8.78	60.5	8.10
	30	92.4	76.1	9.95	71.8	9.28	67.9	8.60	66.5	8.40	63.6	7.92	60.5	7.19
		115.5	76.1	9.90	71.8	9.23	67.9	8.55	66.5	8.34	63.6	7.87	60.5	7.19
		231.0	76.1	9.69	71.8	9.01	67.9	8.34	66.5	8.10	63.6	7.66	60.5	7.19
		288.8	76.1	9.46	71.8	8.78	67.9	8.34	66.5	8.10	63.6	7.66	60.5	6.99
		346.5	76.1	9.34	71.8	8.66	67.9	8.34	66.5	8.10	63.6	7.66	60.5	6.88
	35	92.4	76.1	9.08	71.8	8.40	67.9	7.72	66.5	7.49	63.6	7.05	60.5	6.58
		115.5	76.1	9.01	71.8	8.34	67.9	7.66	66.5	7.43	63.6	6.99	60.5	6.52
		231.0	76.1	8.78	71.8	8.10	67.9	7.43	66.5	7.19	63.6	6.76	60.5	6.32
		288.8	76.1	8.55	71.8	7.87	67.9	7.19	66.5	6.99	63.6	6.76	60.5	6.32
		346.5	76.1	8.43	71.8	7.76	67.9	7.08	66.5	6.88	63.6	6.76	60.5	6.32
	40	92.4	76.1	8.45	71.8	7.72	67.9	6.81	66.5	6.58	63.6	6.37	60.5	5.90
		115.5	76.1	8.34	71.8	7.66	67.9	6.76	66.5	6.52	63.6	6.32	60.5	5.85
		231.0	76.1	7.87	71.8	7.43	67.9	6.52	66.5	6.32	63.6	6.08	60.5	5.64
		288.8	76.1	7.87	71.8	7.43	67.9	6.52	66.5	6.32	63.6	6.08	60.5	5.64
		346.5	76.1	7.87	71.8	7.43	67.9	6.52	66.5	6.32	63.6	6.08	60.5	5.64
	45	92.4	76.1	7.84	71.8	7.05	67.9	5.90	66.5	5.69	63.6	5.69	60.5	5.22
		115.5	76.1	7.66	71.8	6.99	67.9	5.85	66.5	5.64	63.6	5.64	60.5	5.17
		231.0	76.1	6.99	71.8	6.76	67.9	5.64	66.5	5.41	63.6	5.41	60.5	4.96
		288.8	76.1	7.19	71.8	6.99	67.9	5.85	66.5	5.64	63.6	5.41	60.5	4.96
		346.5	76.1	7.31	71.8	7.11	67.9	5.95	66.5	5.75	63.6	5.41	60.5	4.96
80	-5	92.4	27.1	9.48	25.4	9.11	24.0	8.73	23.8	8.43	23.7	8.05	23.2	7.41
		115.5	28.1	9.69	26.3	9.31	24.9	8.93	24.7	8.62	24.5	8.22	24.0	7.57
		231.0	31.7	10.53	29.8	10.11	28.1	9.67	27.8	9.34	27.7	8.93	27.1	8.20
		288.8	35.1	11.34	32.9	10.90	31.1	10.43	30.7	10.09	30.5	9.62	30.0	8.85
		346.5	36.8	11.76	34.4	11.30	32.6	10.82	32.2	10.47	32.1	9.97	31.4	9.18
	0	92.4	48.5	13.91	44.7	13.35	41.6	12.80	40.8	12.35	40.3	11.77	38.7	10.85
		115.5	48.7	13.95	44.9	13.39	41.8	12.83	41.1	12.39	40.5	11.81	38.9	10.88
		231.0	49.9	14.12	46.0	13.56	42.8	12.98	42.0	12.53	41.5	11.95	39.9	11.00
		288.8	50.6	14.12	46.7	13.56	43.5	12.98	42.7	12.53	42.2	11.95	40.5	11.00
		346.5	50.9	14.12	47.0	13.56	43.9	12.98	43.0	12.53	42.5	11.95	40.8	11.00
	5	92.4	67.0	15.13	63.2	14.55	60.5	13.90	59.1	13.44	56.6	12.82	53.8	11.79
		115.5	67.2	15.21	63.4	14.63	60.5	13.97	59.1	13.51	56.6	12.88	53.8	11.86
		231.0	67.7	15.54	63.8	14.91	60.5	14.27	59.1	13.79	56.6	13.13	53.8	12.11
		288.8	67.7	15.63	63.8	15.03	60.5	14.37	59.1	13.89	56.6	13.23	53.8	12.19
		346.5	67.7	15.68	63.8	15.08	60.5	14.42	59.1	13.93	56.6	13.28	53.8	12.22
	10	92.4	67.4	13.92	63.5	13.29	60.5	12.62	59.1	12.27	56.6	11.62	53.8	10.75
		115.5	67.4	13.91	63.6	13.28	60.5	12.62	59.1	12.27	56.6	11.62	53.8	10.76
		231.0	67.7	13.84	63.8	13.21	60.5	12.65	59.1	12.30	56.6	11.64	53.8	10.78
		288.8	67.7	13.79	63.8	13.26	60.5	12.70	59.1	12.23	56.6	11.58	53.8	10.72
		346.5	67.7	13.76	63.8	13.28	60.5	12.72	59.1	12.19	56.6	11.54	53.8	10.68
	15	92.4	67.7	12.72	63.8	12.04	60.5	11.31	59.1	11.10	56.6	10.42	53.8	9.75
		115.5	67.7	12.60	63.8	11.92	60.5	11.25	59.1	11.04	56.6	10.37	53.8	9.69
		231.0	67.7	12.16	63.8	11.48	60.5	11.04	59.1	10.81	56.6	10.14	53.8	9.46
		288.8	67.7	11.92	63.8	11.48	60.5	11.04	59.1	10.58	56.6	9.90	53.8	9.23
		346.5	67.7	11.81	63.8	11.48	60.5	11.04	59.1	10.45	56.6	9.79	53.8	9.11
	20	92.4	67.7	10.63	63.8	10.19	60.5	9.69	59.1	9.51	56.6	9.08	53.8	8.40
		115.5	67.7	10.58	63.8	10.14	60.5	9.69	59.1	9.46	56.6	9.01	53.8	8.34
		231.0	67.7	10.37	63.8	9.90	60.5	9.69	59.1	9.23	56.6	8.78	53.8	8.10
		288.8	67.7	10.14	63.8	9.69	60.5	9.46	59.1	9.23	56.6	8.55	53.8	8.10
		346.5	67.7	10.02	63.8	9.59	60.5	9.34	59.1	9.23	56.6	8.43	53.8	8.10
	25	92.4	67.7	9.51	63.8	8.84	60.5	8.34	59.1	8.17	56.6	7.72	53.8	7.25
		115.5	67.7	9.46	63.8	8.78	60.5	8.34	59.1	8.10	56.6	7.66	53.8	7.19
		231.0	67.7	9.23	63.8	8.55	60.5	8.34	59.1	7.87	56.6	7.43	53.8	6.99
		288.8	67.7	9.01	63.8	8.55	60.5	8.10	59.1	7.87	56.6	7.43	53.8	6.99
		346.5	67.7	8.91	63.8	8.55	60.5	7.99	59.1	7.87	56.6	7.43	53.8	6.99
	30	92.4	67.7	8.40	63.8	7.92	60.5	7.49	59.1	7.25	56.6	6.81	53.8	6.37
		115.5	67.7	8.34	63.8	7.87	60.5	7.43	59.1	7.19	56.6	6.76	53.8	6.32
		231.0	67.7	8.10	63.8	7.66	60.5	7.19	59.1	6.99	56.6	6.52	53.8	6.08
		288.8	67.7	8.10	63.8	7.66	60.5	7.19	59.1	6.99	56.6	6.52	53.8	6.08
		346.5	67.7	8.10	63.8	7.66	60.5	7.19	59.1	6.99	56.6	6.52	53.8	6.08

7. Capacity tables

Heating Capacity (24 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	35	92.4	67.7	7.72	63.8	7.25	60.5	6.58	59.1	6.32	56.6	6.14	53.8	5.64
		115.5	67.7	7.66	63.8	7.19	60.5	6.52	59.1	6.32	56.6	6.08	53.8	5.64
		231.0	67.7	7.43	63.8	6.99	60.5	6.32	59.1	6.32	56.6	5.85	53.8	5.64
		288.8	67.7	7.43	63.8	6.76	60.5	6.32	59.1	6.08	56.6	5.85	53.8	5.41
		346.5	67.7	7.43	63.8	6.63	60.5	6.32	59.1	5.97	56.6	5.85	53.8	5.29
	40	92.4	67.7	7.31	63.8	6.58	60.5	5.85	59.1	5.90	56.6	5.41	53.8	5.22
		115.5	67.7	7.19	63.8	6.52	60.5	5.85	59.1	5.85	56.6	5.41	53.8	5.17
		231.0	67.7	6.76	63.8	6.32	60.5	5.85	59.1	5.64	56.6	5.41	53.8	4.96
		288.8	67.7	6.76	63.8	6.32	60.5	5.64	59.1	5.64	56.6	5.41	53.8	4.96
		346.5	67.7	6.76	63.8	6.32	60.5	5.53	59.1	5.64	56.6	5.41	53.8	4.96
	45	92.4	67.7	6.93	63.8	5.90	60.5	5.11	59.1	5.52	56.6	4.67	53.8	4.84
		115.5	67.7	6.76	63.8	5.85	60.5	5.17	59.1	5.41	56.6	4.73	53.8	4.73
		231.0	67.7	6.08	63.8	5.64	60.5	5.41	59.1	4.96	56.6	4.96	53.8	4.28
		288.8	67.7	6.08	63.8	5.85	60.5	4.96	59.1	5.17	56.6	4.96	53.8	4.50
		346.5	67.7	6.08	63.8	5.95	60.5	4.74	59.1	5.28	56.6	4.96	53.8	4.60
70	-5	92.4	23.7	8.14	22.3	7.75	21.1	7.49	20.8	7.06	20.7	6.81	20.4	6.20
		115.5	24.5	8.32	23.0	7.92	21.8	7.66	21.6	7.22	21.4	6.96	21.1	6.33
		231.0	27.7	9.01	26.0	8.60	24.5	8.32	24.3	7.82	24.2	7.54	23.8	6.88
		288.8	30.7	9.74	28.8	9.27	27.1	8.96	26.9	8.43	26.7	8.15	26.2	7.41
		346.5	32.2	10.10	30.2	9.61	28.5	9.29	28.3	8.73	28.0	8.45	27.4	7.67
	0	92.4	42.4	11.91	39.1	11.36	36.3	10.98	35.7	10.34	35.2	9.99	33.9	9.08
		115.5	42.7	11.95	39.4	11.39	36.5	11.01	36.0	10.37	35.3	10.02	34.1	9.11
		231.0	43.6	12.09	40.3	11.51	37.4	11.16	36.8	10.48	36.2	10.14	34.8	9.20
		288.8	44.2	12.09	41.0	11.51	38.0	11.16	37.4	10.48	36.8	10.14	35.5	9.20
		346.5	44.6	12.09	41.3	11.51	38.2	11.16	37.6	10.48	37.0	10.14	35.7	9.20
	5	92.4	58.5	12.98	55.4	12.35	52.8	11.96	51.7	11.26	49.4	10.86	47.0	9.87
		115.5	58.6	13.05	55.5	12.42	52.8	12.02	51.7	11.32	49.4	10.93	47.0	9.92
		231.0	59.1	13.30	56.0	12.67	52.8	12.27	51.7	11.53	49.4	11.16	47.0	10.14
		288.8	59.1	13.39	55.9	12.77	52.8	12.37	51.7	11.62	49.4	11.23	47.0	10.20
		346.5	59.1	13.44	55.9	12.81	52.8	12.42	51.7	11.67	49.4	11.26	47.0	10.24
	10	92.4	58.8	11.95	55.7	11.30	52.8	10.88	51.7	10.27	49.4	9.85	47.0	9.01
		115.5	58.8	11.92	55.7	11.28	52.8	10.85	51.7	10.27	49.4	9.85	47.0	9.01
		231.0	59.1	11.84	55.9	11.18	52.8	10.76	51.7	10.27	49.4	9.85	47.0	9.01
		288.8	59.1	11.88	55.9	11.23	52.8	10.81	51.7	10.32	49.4	9.79	47.0	9.04
		346.5	59.1	11.90	55.9	11.25	52.8	10.83	51.7	10.34	49.4	9.74	47.0	9.05
	15	92.4	59.1	10.92	55.9	10.25	52.8	9.81	51.7	9.28	49.4	8.84	47.0	8.17
		115.5	59.1	10.81	55.9	10.14	52.8	9.69	51.7	9.23	49.4	8.78	47.0	8.10
		231.0	59.1	10.37	55.9	9.69	52.8	9.23	51.7	9.01	49.4	8.55	47.0	7.87
		288.8	59.1	10.37	55.9	9.69	52.8	9.23	51.7	9.01	49.4	8.34	47.0	7.87
		346.5	59.1	10.37	55.9	9.69	52.8	9.23	51.7	9.01	49.4	8.23	47.0	7.87
	20	92.4	59.1	9.08	55.9	8.60	52.8	8.40	51.7	8.17	49.4	7.72	47.0	7.25
		115.5	59.1	9.01	55.9	8.55	52.8	8.34	51.7	8.10	49.4	7.66	47.0	7.19
		231.0	59.1	8.78	55.9	8.34	52.8	8.10	51.7	7.87	49.4	7.43	47.0	6.99
		288.8	59.1	8.78	55.9	8.34	52.8	8.10	51.7	7.66	49.4	7.43	47.0	6.76
		346.5	59.1	8.78	55.9	8.34	52.8	8.10	51.7	7.56	49.4	7.43	47.0	6.63
	25	92.4	59.1	8.17	55.9	7.72	52.8	7.25	51.7	7.05	49.4	6.52	47.0	6.08
		115.5	59.1	8.10	55.9	7.66	52.8	7.19	51.7	6.99	49.4	6.52	47.0	6.08
		231.0	59.1	7.87	55.9	7.43	52.8	6.99	51.7	6.76	49.4	6.52	47.0	6.08
		288.8	59.1	7.66	55.9	7.19	52.8	6.99	51.7	6.76	49.4	6.32	47.0	6.08
		346.5	59.1	7.56	55.9	7.08	52.8	6.99	51.7	6.76	49.4	6.20	47.0	6.08
	30	92.4	59.1	7.25	55.9	6.81	52.8	6.37	51.7	6.08	49.4	5.90	47.0	5.41
		115.5	59.1	7.19	55.9	6.76	52.8	6.32	51.7	6.08	49.4	5.85	47.0	5.41
		231.0	59.1	6.99	55.9	6.52	52.8	6.08	51.7	6.08	49.4	5.64	47.0	5.41
		288.8	59.1	6.99	55.9	6.52	52.8	6.08	51.7	5.85	49.4	5.64	47.0	5.41
		346.5	59.1	6.99	55.9	6.52	52.8	6.08	51.7	5.72	49.4	5.64	47.0	5.41
	35	92.4	59.1	6.58	55.9	6.14	52.8	5.64	51.7	5.69	49.4	5.17	47.0	5.02
		115.5	59.1	6.52	55.9	6.08	52.8	5.64	51.7	5.64	49.4	5.17	47.0	4.96
		231.0	59.1	6.32	55.9	5.85	52.8	5.64	51.7	5.41	49.4	5.17	47.0	4.73
		288.8	59.1	6.32	55.9	5.85	52.8	5.41	51.7	5.41	49.4	5.17	47.0	4.73
		346.5	59.1	6.32	55.9	5.85	52.8	5.29	51.7	5.41	49.4	5.17	47.0	4.73
	40	92.4	59.1	6.14	55.9	5.69	52.8	5.22	51.7	4.96	49.4	4.73	47.0	4.55
		115.5	59.1	6.08	55.9	5.64	52.8	5.17	51.7	4.96	49.4	4.73	47.0	4.50
		231.0	59.1	5.85	55.9	5.41	52.8	4.96	51.7	4.96	49.4	4.73	47.0	4.28
		288.8	59.1	5.85	55.9	5.41	52.8	4.96	51.7	4.73	49.4	4.50	47.0	4.28
		346.5	59.1	5.85	55.9	5.41	52.8	4.96	51.7	4.61	49.4	4.38	47.0	4.28
	45	92.4	59.1	5.69	55.9	5.22	52.8	4.84	51.7	4.23	49.4	4.28	47.0	4.12
		115.5	59.1	5.64	55.9	5.17	52.8	4.73	51.7	4.28	49.4	4.28	47.0	4.05
		231.0	59.1	5.41	55.9	4.96	52.8	4.28	51.7	4.50	49.4	4.28	47.0	3.82
		288.8	59.1	5.41	55.9	4.96	52.8	4.50	51.7	4.05	49.4	3.82	47.0	3.82
		346.5	59.1	5.41	55.9	4.96	52.8	4.60	51.7	3.83	49.4	3.59	47.0	3.82
60	-5	92.4	20.4	6.61	19.0	6.35	18.0	6.10	17.8	5.67	17.7	5.59	17.3	4.99
		115.5	21.1	6.76	19.7	6.50	18.7	6.25	18.4	5.80	18.3	5.71	18.0	5.10
		231.0	23.8	7.34	22.3	7.06	21.1	6.78	20.9	6.29	20.8	6.20	20.4	5.54
		288.8	26.3	7.90	24.7	7.62	23.3	7.31	23.1	6.80	23.0	6.68	22.5	5.97
		346.5	27.6	8.18	25.7	7.90	24.5	7.59	24.2	7.06	24.1	6.93	23.5	6.17
	0	92.4	36.3	9.69	33.5	9.34	31.2	8.94	30.7	8.32	30.2	8.20	29.1	7.32
		115.5	36.5	9.71	33.7	9.36	31.4	8.96	30.8	8.34	30.4	8.22	29.3	7.34
		231.0	37.4	9.83	34.5	9.46	32.2	9.08	31.5	8.43	31.1	8.32	29.9	7.41
		288.8	38.0	9.83	35.0	9.46	32.7	9.08	32.0	8.43	31.6	8.32	30.4	7.41
		346.5	38.2	9.83	35.3	9.46	32.9	9.08	32.2	8.43	31.9	8.32	30.7	7.41

7. Capacity tables

Heating Capacity (24 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	5	92.4	50.2	10.55	47.3	10.15	45.4	9.73	44.3	9.06	42.4	8.92	40.3	7.95
		115.5	50.4	10.60	47.5	10.20	45.4	9.79	44.3	9.11	42.4	8.96	40.3	7.99
		231.0	50.8	10.81	47.8	10.42	45.4	9.99	44.3	9.29	42.4	9.16	40.3	8.15
		288.8	50.8	10.90	47.8	10.48	45.4	10.07	44.3	9.36	42.4	9.20	40.3	8.22
		346.5	50.8	10.95	47.7	10.52	45.4	10.10	44.3	9.40	42.4	9.23	40.3	8.25
	10	92.4	50.5	9.69	47.5	9.27	45.4	8.83	44.3	8.25	42.4	8.09	40.3	7.25
		115.5	50.6	9.69	47.6	9.27	45.4	8.83	44.3	8.27	42.4	8.08	40.3	7.26
		231.0	50.8	9.69	47.8	9.27	45.4	8.83	44.3	8.37	42.4	8.06	40.3	7.34
		288.8	50.8	9.71	47.8	9.18	45.4	8.73	44.3	8.27	42.4	7.99	40.3	7.26
		346.5	50.8	9.72	47.7	9.13	45.4	8.68	44.3	8.22	42.4	7.95	40.3	7.23
	15	92.4	50.8	8.84	47.8	8.40	45.4	7.92	44.3	7.43	42.4	7.25	40.3	6.52
		115.5	50.8	8.78	47.8	8.34	45.4	7.87	44.3	7.43	42.4	7.19	40.3	6.52
		231.0	50.8	8.55	47.8	8.10	45.4	7.66	44.3	7.43	42.4	6.99	40.3	6.52
		288.8	50.8	8.55	47.8	7.87	45.4	7.43	44.3	7.19	42.4	6.76	40.3	6.32
		346.5	50.8	8.55	47.8	7.76	45.4	7.31	44.3	7.08	42.4	6.63	40.3	6.20
	20	92.4	50.8	7.72	47.8	7.25	45.4	6.81	44.3	6.58	42.4	6.37	40.3	5.90
		115.5	50.8	7.66	47.8	7.19	45.4	6.76	44.3	6.52	42.4	6.32	40.3	5.85
		231.0	50.8	7.43	47.8	6.99	45.4	6.52	44.3	6.32	42.4	6.08	40.3	5.64
		288.8	50.8	7.43	47.8	6.99	45.4	6.52	44.3	6.32	42.4	6.08	40.3	5.64
		346.5	50.8	7.43	47.8	6.99	45.4	6.52	44.3	6.32	42.4	6.08	40.3	5.64
	25	92.4	50.8	6.81	47.8	6.37	45.4	5.85	44.3	5.90	42.4	5.41	40.3	5.22
		115.5	50.8	6.76	47.8	6.32	45.4	5.85	44.3	5.85	42.4	5.41	40.3	5.17
		231.0	50.8	6.52	47.8	6.08	45.4	5.85	44.3	5.64	42.4	5.41	40.3	4.96
		288.8	50.8	6.52	47.8	6.08	45.4	5.64	44.3	5.64	42.4	5.41	40.3	4.96
		346.5	50.8	6.52	47.8	6.08	45.4	5.53	44.3	5.64	42.4	5.41	40.3	4.96
	30	92.4	50.8	6.14	47.8	5.69	45.4	5.46	44.3	5.22	42.4	5.02	40.3	4.79
		115.5	50.8	6.08	47.8	5.64	45.4	5.41	44.3	5.17	42.4	4.96	40.3	4.73
		231.0	50.8	5.85	47.8	5.41	45.4	5.17	44.3	4.96	42.4	4.73	40.3	4.50
		288.8	50.8	5.85	47.8	5.41	45.4	5.17	44.3	4.96	42.4	4.73	40.3	4.50
		346.5	50.8	5.85	47.8	5.41	45.4	5.17	44.3	4.96	42.4	4.73	40.3	4.50
	35	92.4	50.8	5.41	47.8	5.22	45.4	4.73	44.3	4.79	42.4	4.55	40.3	4.35
		115.5	50.8	5.41	47.8	5.17	45.4	4.73	44.3	4.73	42.4	4.50	40.3	4.28
		231.0	50.8	5.41	47.8	4.96	45.4	4.73	44.3	4.50	42.4	4.28	40.3	4.05
		288.8	50.8	5.41	47.8	4.96	45.4	4.50	44.3	4.50	42.4	4.28	40.3	4.05
		346.5	50.8	5.41	47.8	4.96	45.4	4.38	44.3	4.50	42.4	4.28	40.3	4.05
	40	92.4	50.8	4.96	47.8	4.79	45.4	4.28	44.3	4.35	42.4	4.12	40.3	3.82
		115.5	50.8	4.96	47.8	4.73	45.4	4.28	44.3	4.28	42.4	4.05	40.3	3.82
		231.0	50.8	4.96	47.8	4.50	45.4	4.28	44.3	4.05	42.4	3.82	40.3	3.82
		288.8	50.8	4.96	47.8	4.50	45.4	4.28	44.3	4.05	42.4	3.82	40.3	3.82
		346.5	50.8	4.96	47.8	4.50	45.4	4.28	44.3	4.05	42.4	3.82	40.3	3.82
	45	92.4	50.8	4.50	47.8	4.35	45.4	3.82	44.3	3.87	42.4	3.67	40.3	3.32
		115.5	50.8	4.50	47.8	4.28	45.4	3.82	44.3	3.82	42.4	3.61	40.3	3.38
		231.0	50.8	4.50	47.8	4.05	45.4	3.82	44.3	3.61	42.4	3.38	40.3	3.61
		288.8	50.8	4.50	47.8	4.05	45.4	4.05	44.3	3.61	42.4	3.38	40.3	3.61
		346.5	50.8	4.50	47.8	4.05	45.4	4.17	44.3	3.61	42.4	3.38	40.3	3.61
50	-5	92.4	17.0	5.27	15.9	4.99	15.1	4.73	14.8	4.47	14.7	4.19	14.4	3.97
		115.5	17.5	5.38	16.5	5.10	15.6	4.83	15.3	4.56	15.3	4.28	14.9	4.05
		231.0	19.7	5.82	18.5	5.54	17.6	5.22	17.3	4.96	17.3	4.66	17.0	4.38
		288.8	21.9	6.29	20.6	5.97	19.4	5.64	19.2	5.36	19.0	5.01	18.8	4.73
		346.5	23.0	6.53	21.6	6.17	20.4	5.85	20.1	5.56	19.9	5.19	19.7	4.91
	0	92.4	30.2	7.72	28.0	7.32	26.0	6.90	25.4	6.55	25.1	6.15	24.2	5.80
		115.5	30.4	7.74	28.1	7.34	26.2	6.91	25.6	6.57	25.2	6.17	24.3	5.82
		231.0	31.1	7.80	28.8	7.41	26.8	7.01	26.2	6.66	25.9	6.25	24.9	5.89
		288.8	31.6	7.80	29.2	7.41	27.1	7.01	26.6	6.66	26.2	6.25	25.3	5.89
		346.5	31.9	7.80	29.3	7.41	27.3	7.01	26.9	6.66	26.4	6.25	25.5	5.89
	5	92.4	41.8	8.39	39.6	7.95	37.7	7.51	36.9	7.14	35.3	6.70	33.6	6.30
		115.5	41.8	8.43	39.6	7.99	37.7	7.54	36.9	7.18	35.3	6.73	33.6	6.33
		231.0	42.2	8.60	39.9	8.15	37.9	7.71	36.9	7.31	35.3	6.85	33.6	6.48
		288.8	42.2	8.66	39.9	8.22	37.9	7.76	36.9	7.36	35.3	6.91	33.6	6.52
		346.5	42.2	8.70	39.8	8.25	37.9	7.78	36.9	7.39	35.3	6.95	33.6	6.55
	10	92.4	42.0	7.72	39.6	7.27	37.7	6.83	36.9	6.53	35.3	6.04	33.6	5.77
		115.5	42.0	7.71	39.8	7.26	37.7	6.83	36.9	6.52	35.3	6.05	33.6	5.75
		231.0	42.2	7.66	39.9	7.24	37.9	6.78	36.9	6.48	35.3	6.12	33.6	5.71
		288.8	42.2	7.71	39.9	7.26	37.9	6.80	36.9	6.50	35.3	6.03	33.6	5.73
		346.5	42.2	7.74	39.8	7.28	37.9	6.81	36.9	6.51	35.3	5.99	33.6	5.74
	15	92.4	42.2	7.05	39.9	6.58	37.9	6.14	36.9	5.90	35.3	5.41	33.6	5.22
		115.5	42.2	6.99	39.9	6.52	37.9	6.08	36.9	5.85	35.3	5.41	33.6	5.17
		231.0	42.2	6.76	39.9	6.32	37.9	5.85	36.9	5.64	35.3	5.41	33.6	4.96
		288.8	42.2	6.76	39.9	6.32	37.9	5.85	36.9	5.64	35.3	5.17	33.6	4.96
		346.5	42.2	6.76	39.9	6.32	37.9	5.85	36.9	5.64	35.3	5.06	33.6	4.96
	20	92.4	42.2	6.14	39.9	5.69	37.9	5.46	36.9	5.22	35.3	5.02	33.6	4.50
		115.5	42.2	6.08	39.9	5.64	37.9	5.41	36.9	5.17	35.3	4.96	33.6	4.50
		231.0	42.2	5.85	39.9	5.41	37.9	5.17	36.9	4.96	35.3	4.73	33.6	4.50
		288.8	42.2	5.85	39.9	5.41	37.9	5.17	36.9	4.96	35.3	4.73	33.6	4.50
		346.5	42.2	5.85	39.9	5.41	37.9	5.17	36.9	4.96	35.3	4.73	33.6	4.50
	25	92.4	42.2	5.46	39.9	4.96	37.9	4.79	36.9	4.50	35.3	4.28	33.6	4.05
		115.5	42.2	5.41	39.9	4.96	37.9	4.73	36.9	4.50	35.3	4.28	33.6	4.05
		231.0	42.2	5.17	39.9	4.96	37.9	4.50	36.9	4.50	35.3	4.28	33.6	4.05
		288.8	42.2	5.17	39.9	4.96	37.9	4.50	36.9	4.50	35.3	4.28	33.6	4.05
		346.5	42.2	5.17	39.9	4.96	37.9	4.50	36.9	4.50	35.3	4.28	33.6	4.05

7. Capacity tables

Heating Capacity (24 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	30	92.4	42.2	5.02	39.9	4.55	37.9	4.35	36.9	4.05	35.3	4.12	33.6	3.87
		115.5	42.2	4.96	39.9	4.50	37.9	4.28	36.9	4.05	35.3	4.05	33.6	3.82
		231.0	42.2	4.73	39.9	4.28	37.9	4.05	36.9	4.05	35.3	3.82	33.6	3.61
		288.8	42.2	4.73	39.9	4.28	37.9	4.05	36.9	4.05	35.3	3.82	33.6	3.61
		346.5	42.2	4.73	39.9	4.28	37.9	4.05	36.9	4.05	35.3	3.82	33.6	3.61
	35	92.4	42.2	4.55	39.9	4.05	37.9	3.82	36.9	3.87	35.3	3.61	33.6	3.38
		115.5	42.2	4.50	39.9	4.05	37.9	3.82	36.9	3.82	35.3	3.61	33.6	3.38
		231.0	42.2	4.28	39.9	4.05	37.9	3.82	36.9	3.61	35.3	3.61	33.6	3.38
		288.8	42.2	4.28	39.9	4.05	37.9	3.82	36.9	3.61	35.3	3.61	33.6	3.38
		346.5	42.2	4.28	39.9	4.05	37.9	3.82	36.9	3.61	35.3	3.61	33.6	3.38
	40	92.4	42.2	4.12	39.9	3.87	37.9	3.67	36.9	3.38	35.3	3.44	33.6	3.14
		115.5	42.2	4.05	39.9	3.82	37.9	3.61	36.9	3.38	35.3	3.38	33.6	3.14
		231.0	42.2	3.82	39.9	3.61	37.9	3.38	36.9	3.38	35.3	3.14	33.6	3.14
		288.8	42.2	3.82	39.9	3.61	37.9	3.38	36.9	3.38	35.3	3.14	33.6	3.14
		346.5	42.2	3.82	39.9	3.61	37.9	3.38	36.9	3.38	35.3	3.14	33.6	3.14
	45	92.4	42.2	3.67	39.9	3.72	37.9	3.49	36.9	2.88	35.3	3.26	33.6	2.93
		115.5	42.2	3.61	39.9	3.61	37.9	3.38	36.9	2.93	35.3	3.14	33.6	2.93
		231.0	42.2	3.38	39.9	3.14	37.9	2.93	36.9	3.14	35.3	2.70	33.6	2.93
		288.8	42.2	3.38	39.9	3.14	37.9	2.93	36.9	3.14	35.3	2.70	33.6	2.93
		346.5	42.2	3.38	39.9	3.14	37.9	2.93	36.9	3.14	35.3	2.70	33.6	2.93

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB280LSA4

Heating Capacity (28 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (28 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (28 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (28 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (28 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (28 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (28 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB300LSA4

Heating Capacity (30 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	115.2	44.7	17.81	44.4	16.78	44.1	15.61	43.5	15.16	44.1	14.75	42.8	13.23
		144.0	46.2	18.12	45.9	17.10	45.6	15.96	45.0	15.48	45.6	15.07	44.3	13.52
		288.0	52.3	19.36	51.9	18.39	51.6	17.30	50.9	16.81	51.5	16.34	50.2	14.66
		360.0	57.9	20.58	57.3	19.65	57.0	18.66	56.3	18.15	57.0	17.62	55.5	15.81
		432.0	60.6	21.21	60.0	20.29	59.7	19.33	59.0	18.83	59.7	18.28	58.2	16.38
	0	115.2	79.8	24.36	78.0	23.64	76.4	22.87	74.7	22.23	75.0	21.62	71.6	19.36
		144.0	80.4	24.43	78.5	23.70	76.8	22.93	75.2	22.29	75.4	21.67	72.0	19.41
		288.0	82.3	24.69	80.3	23.93	78.6	23.20	76.9	22.55	77.2	21.91	73.8	19.65
		360.0	83.5	24.69	81.5	23.93	79.8	23.20	78.0	22.55	78.3	21.91	74.8	19.65
		432.0	84.1	24.69	82.1	23.93	80.4	23.20	78.6	22.55	78.9	21.91	75.3	19.65
	5	115.2	115.0	26.19	113.3	25.54	110.9	24.89	108.1	24.18	105.2	23.52	99.4	21.06
		144.0	115.4	26.31	113.5	25.67	111.0	25.01	108.1	24.31	105.2	23.64	99.4	21.18
		288.0	117.0	26.78	114.3	26.13	111.0	25.52	108.1	24.81	105.2	24.11	99.4	21.62
		360.0	117.7	26.95	114.6	26.31	111.0	25.70	108.1	24.98	105.2	24.28	99.4	21.76
		432.0	118.1	27.04	114.8	26.40	111.0	25.78	108.1	25.07	105.2	24.37	99.4	21.83
	10	115.2	115.2	23.83	113.3	23.03	110.6	22.59	107.7	22.10	104.8	21.34	99.0	19.25
		144.0	115.8	23.79	113.8	23.05	111.0	22.64	108.1	22.08	105.2	21.32	99.4	19.24
		288.0	118.6	23.61	115.9	23.14	112.8	22.81	109.9	22.05	106.8	21.27	101.0	19.18
		360.0	119.2	23.93	116.7	23.47	113.5	22.90	110.4	22.14	107.5	21.62	101.6	20.09
		432.0	119.5	24.09	117.1	23.63	113.8	22.94	110.7	22.19	107.9	21.79	102.0	20.55
	15	115.2	115.3	21.47	113.4	20.56	110.1	20.34	107.2	20.00	104.4	19.15	98.6	17.45
		144.0	116.3	21.27	114.2	20.47	111.0	20.29	108.1	19.85	105.2	19.01	99.4	17.30
		288.0	120.1	20.41	117.6	20.12	114.6	20.12	111.6	19.27	108.4	18.42	102.6	16.72
		360.0	120.7	20.91	118.8	20.58	115.9	20.12	112.8	19.27	109.9	18.95	103.8	18.42
		432.0	121.0	21.16	119.4	20.83	116.7	20.12	113.4	19.27	110.7	19.21	104.4	19.27
	20	115.2	119.7	19.71	117.6	18.79	114.4	18.38	111.3	17.78	108.0	17.39	101.7	16.86
		144.0	120.7	19.56	118.5	18.77	115.3	18.36	112.2	17.86	109.0	17.51	102.6	16.72
		288.0	124.5	19.01	122.3	18.71	118.8	18.31	115.7	18.15	112.8	17.97	106.4	16.16
		360.0	125.0	19.01	123.2	18.71	120.3	18.42	116.8	18.15	113.7	17.97	107.2	17.19
		432.0	125.3	19.01	123.6	18.71	120.9	18.48	117.4	18.15	114.1	17.97	107.7	17.71
	25	115.2	126.4	18.79	123.2	18.25	120.3	17.93	117.9	17.64	115.3	17.38	108.7	16.24
		144.0	126.4	18.71	123.2	18.21	120.3	17.86	117.9	17.56	115.3	17.30	108.7	16.16
		288.0	126.4	18.42	123.2	18.09	120.3	17.56	117.9	17.30	115.3	17.01	108.7	15.87
		360.0	126.4	18.15	123.2	17.62	120.3	17.30	117.9	17.01	115.3	16.72	108.7	15.60
		432.0	126.4	18.02	123.2	17.39	120.3	17.17	117.9	16.86	115.3	16.57	108.7	15.47
	30	115.2	126.4	18.31	123.2	17.39	120.3	17.23	117.9	16.78	115.3	16.60	108.7	15.45
		144.0	126.4	18.15	123.2	17.36	120.3	17.13	117.9	16.72	115.3	16.46	108.7	15.31
		288.0	126.4	17.56	123.2	17.24	120.3	16.72	117.9	16.46	115.3	15.87	108.7	14.75
		360.0	126.4	17.30	123.2	16.78	120.3	16.46	117.9	16.16	115.3	15.87	108.7	14.75
		432.0	126.4	17.17	123.2	16.54	120.3	16.32	117.9	16.02	115.3	15.87	108.7	14.75
	35	115.2	126.4	17.45	123.2	16.88	120.3	16.53	117.9	15.93	115.3	15.38	108.7	14.30
		144.0	126.4	17.30	123.2	16.78	120.3	16.46	117.9	15.87	115.3	15.31	108.7	14.17
		288.0	126.4	16.72	123.2	16.40	120.3	16.16	117.9	15.60	115.3	15.01	108.7	13.61
		360.0	126.4	16.72	123.2	16.22	120.3	15.87	117.9	15.31	115.3	14.75	108.7	13.61
		432.0	126.4	16.72	123.2	16.13	120.3	15.71	117.9	15.16	115.3	14.62	108.7	13.61
	40	115.2	126.4	16.86	123.2	16.32	120.3	16.01	117.9	15.45	115.3	14.90	108.7	13.45
		144.0	126.4	16.72	123.2	16.22	120.3	15.87	117.9	15.31	115.3	14.75	108.7	13.31
		288.0	126.4	16.16	123.2	15.81	120.3	15.31	117.9	14.75	115.3	14.17	108.7	12.76
		360.0	126.4	15.87	123.2	15.54	120.3	15.31	117.9	14.75	115.3	14.17	108.7	12.76
		432.0	126.4	15.71	123.2	15.41	120.3	15.31	117.9	14.75	115.3	14.17	108.7	12.76
	45	115.2	126.4	16.30	123.2	15.77	120.3	15.52	117.9	14.97	115.3	14.38	108.7	12.61
		144.0	126.4	16.16	123.2	15.66	120.3	15.31	117.9	14.75	115.3	14.17	108.7	12.46
		288.0	126.4	15.60	123.2	15.25	120.3	14.46	117.9	13.90	115.3	13.31	108.7	11.91
		360.0	126.4	15.01	123.2	14.87	120.3	14.75	117.9	14.17	115.3	13.61	108.7	11.91
		432.0	126.4	14.72	123.2	14.68	120.3	14.90	117.9	14.30	115.3	13.76	108.7	11.91
120	-5	115.2	42.5	17.81	42.2	16.78	41.9	15.61	41.4	14.95	41.7	14.52	40.6	13.00
		144.0	44.0	18.12	43.6	17.10	43.3	15.96	42.8	15.28	43.2	14.84	42.0	13.28
		288.0	49.8	19.36	49.3	18.39	49.1	17.30	48.4	16.57	48.9	16.10	47.6	14.43
		360.0	54.9	20.58	54.5	19.65	54.2	18.66	53.5	17.89	54.0	17.36	52.5	15.54
		432.0	57.6	21.21	57.1	20.29	56.7	19.33	56.1	18.55	56.5	18.00	54.9	16.11
	0	115.2	75.9	24.36	74.1	23.64	72.5	22.87	71.1	21.90	71.1	21.29	67.8	19.04
		144.0	76.4	24.43	74.5	23.70	72.9	22.93	71.4	21.97	71.4	21.35	68.2	19.09
		288.0	78.1	24.69	76.3	23.93	74.7	23.20	73.2	22.23	73.2	21.59	69.9	19.33
		360.0	79.4	24.69	77.5	23.93	75.9	23.20	74.3	22.23	74.2	21.59	70.9	19.33
		432.0	80.0	24.69	78.2	23.93	76.5	23.20	74.9	22.23	74.7	21.59	71.4	19.33
	5	115.2	109.5	26.19	107.8	25.54	105.5	24.89	102.9	23.83	99.7	23.16	94.2	20.74
		144.0	109.9	26.31	108.0	25.67	105.5	25.01	102.9	23.96	99.7	23.29	94.2	20.86
		288.0	111.5	26.78	108.9	26.13	105.5	25.52	102.9	24.46	99.7	23.76	94.2	21.27
		360.0	112.1	26.95	108.2	26.31	105.5	25.70	102.9	24.63	99.7	23.93	94.2	21.41
		432.0	112.4	27.04	107.9	26.40	105.5	25.78	102.9	24.72	99.7	24.02	94.2	21.48
	10	115.2	109.9	23.53	107.9	22.87	105.2	22.42	102.6	21.73	99.4	21.02	94.0	18.89
		144.0	110.4	23.61	108.3	22.96	105.5	22.49	102.9	21.76	99.7	21.00	94.2	18.92
		288.0	112.5	23.93	110.1	23.32	106.6	22.81	104.1	21.88	100.8	20.94	95.2	19.01
		360.0	113.1	23.85	109.7	23.32	107.1	22.90	104.5	21.97	101.2	21.03	95.7	19.65
		432.0	113.4	23.80	109.5	23.32	107.3	22.94	104.7	22.01	101.4	21.08	95.9	19.97

7. Capacity tables

Heating Capacity (30 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	15	115.2	110.2	20.87	108.0	20.25	104.9	19.94	102.3	19.63	99.2	18.85	93.7	17.08
		144.0	110.9	20.91	108.6	20.29	105.5	19.97	102.9	19.56	99.7	18.71	94.2	17.01
		288.0	113.4	21.09	111.3	20.47	107.9	20.12	105.2	19.27	101.7	18.15	96.3	16.72
		360.0	114.0	20.77	111.2	20.29	108.7	20.12	106.1	19.27	102.6	18.15	97.2	17.86
		432.0	114.3	20.60	111.2	20.20	109.2	20.12	106.5	19.27	103.0	18.15	97.6	18.44
	20	115.2	113.3	18.77	111.2	17.97	107.8	17.49	104.8	17.24	101.4	17.02	96.0	16.16
		144.0	114.0	18.77	111.8	18.03	108.4	17.56	105.5	17.30	102.0	17.01	96.5	16.10
		288.0	116.9	18.77	114.5	18.31	110.7	17.86	108.1	17.56	104.6	16.95	98.8	15.87
		360.0	117.4	18.60	114.3	18.15	111.6	17.86	108.7	17.56	105.2	17.01	99.4	16.46
		432.0	117.7	18.51	114.3	18.08	112.1	17.86	109.1	17.56	105.6	17.04	99.7	16.75
	25	115.2	118.8	17.75	115.3	16.92	111.6	16.60	109.2	16.24	106.4	15.93	100.5	14.82
		144.0	118.8	17.68	115.3	16.89	111.6	16.57	109.2	16.16	106.4	15.87	100.5	14.75
		288.0	119.1	17.42	115.3	16.78	111.6	16.46	109.2	15.87	106.4	15.60	100.5	14.46
		360.0	119.4	16.78	115.3	16.34	111.6	16.16	109.2	15.87	106.4	15.31	100.5	14.46
		432.0	119.7	16.45	115.3	16.12	111.6	16.02	109.2	15.87	106.4	15.16	100.5	14.46
	30	115.2	119.4	16.98	115.3	16.14	111.6	15.68	109.2	15.08	106.4	14.90	100.5	13.69
		144.0	119.4	16.83	115.3	16.05	111.6	15.60	109.2	15.01	106.4	14.75	100.5	13.61
		288.0	119.4	16.28	115.3	15.66	111.6	15.31	109.2	14.75	106.4	14.17	100.5	13.31
		360.0	119.4	15.74	115.3	15.31	111.6	15.01	109.2	14.75	106.4	14.17	100.5	13.05
		432.0	119.4	15.48	115.3	15.13	111.6	14.87	109.2	14.75	106.4	14.17	100.5	12.92
	35	115.2	119.4	16.21	115.3	15.33	111.6	14.90	109.2	14.30	106.4	13.75	100.5	12.53
		144.0	119.4	15.99	115.3	15.19	111.6	14.75	109.2	14.17	106.4	13.61	100.5	12.46
		288.0	119.4	15.07	115.3	14.63	111.6	14.17	109.2	13.61	106.4	13.05	100.5	12.20
		360.0	119.4	14.90	115.3	14.52	111.6	14.17	109.2	13.61	106.4	13.05	100.5	11.91
		432.0	119.4	14.81	115.3	14.46	111.6	14.17	109.2	13.61	106.4	13.05	100.5	11.76
	40	115.2	119.4	15.73	115.3	14.63	111.6	14.05	109.2	13.45	106.4	12.90	100.5	11.68
		144.0	119.4	15.42	115.3	14.46	111.6	13.90	109.2	13.31	106.4	12.76	100.5	11.62
		288.0	119.4	14.23	115.3	13.79	111.6	13.31	109.2	12.76	106.4	12.20	100.5	11.35
		360.0	119.4	14.05	115.3	13.61	111.6	13.31	109.2	12.76	106.4	12.20	100.5	11.06
		432.0	119.4	13.96	115.3	13.52	111.6	13.31	109.2	12.76	106.4	12.20	100.5	10.90
	45	115.2	119.4	15.25	115.3	13.92	111.6	13.20	109.2	12.61	106.4	12.05	100.5	10.83
		144.0	119.4	14.87	115.3	13.73	111.6	13.05	109.2	12.46	106.4	11.91	100.5	10.76
		288.0	119.4	13.38	115.3	12.93	111.6	12.46	109.2	11.91	106.4	11.35	100.5	10.50
		360.0	119.4	13.19	115.3	12.70	111.6	12.46	109.2	11.91	106.4	11.35	100.5	10.20
		432.0	119.4	13.11	115.3	12.58	111.6	12.46	109.2	11.91	106.4	11.35	100.5	10.06
110	-5	115.2	40.2	18.05	39.9	16.78	39.7	15.61	39.3	14.95	39.3	14.52	38.5	13.00
		144.0	41.6	18.36	41.3	17.10	41.1	15.96	40.6	15.28	40.7	14.84	39.8	13.28
		288.0	47.1	19.59	46.8	18.39	46.5	17.30	46.0	16.57	46.0	16.10	45.1	14.43
		360.0	51.9	20.86	51.6	19.65	51.3	18.66	50.8	17.89	50.8	17.36	49.8	15.54
		432.0	54.4	21.49	54.0	20.29	53.7	19.33	53.2	18.55	53.2	18.00	52.1	16.11
	0	115.2	71.8	24.69	70.2	23.64	68.8	22.87	67.5	21.90	66.9	21.29	64.3	19.04
		144.0	72.3	24.75	70.7	23.70	69.2	22.93	67.8	21.97	67.2	21.35	64.7	19.09
		288.0	73.9	24.98	72.3	23.93	70.8	23.20	69.4	22.23	68.8	21.59	66.2	19.33
		360.0	75.0	24.98	73.5	23.93	71.9	23.20	70.5	22.23	69.9	21.59	67.2	19.33
		432.0	75.6	24.98	74.1	23.93	72.5	23.20	71.1	22.23	70.4	21.59	67.6	19.33
	5	115.2	104.8	26.54	102.3	25.54	99.9	24.89	97.7	23.83	93.9	23.16	89.3	20.74
		144.0	105.1	26.66	102.5	25.67	99.9	25.01	97.7	23.96	93.9	23.29	89.3	20.86
		288.0	106.5	27.13	103.3	26.13	100.0	25.52	97.7	24.46	93.9	23.76	89.3	21.27
		360.0	107.1	27.30	103.5	26.31	100.0	25.70	97.7	24.63	93.9	23.93	89.3	21.41
		432.0	107.4	27.39	103.7	26.40	100.0	25.78	97.7	24.72	93.9	24.02	89.3	21.48
	10	115.2	105.2	23.80	102.6	22.99	99.8	22.49	97.5	21.73	93.7	21.02	89.2	18.89
		144.0	105.6	23.85	102.9	23.05	99.9	22.55	97.7	21.76	93.9	21.00	89.3	18.92
		288.0	107.1	24.02	103.9	23.32	100.5	22.81	98.3	21.88	94.5	20.94	89.7	19.01
		360.0	107.7	24.02	104.4	23.32	100.9	22.75	98.4	21.82	94.7	21.03	90.0	19.21
		432.0	108.1	24.02	104.6	23.32	101.1	22.73	98.5	21.79	94.8	21.08	90.1	19.31
	15	115.2	105.5	21.06	102.7	20.47	99.7	20.12	97.4	19.63	93.6	18.85	89.1	17.08
		144.0	105.9	21.03	103.1	20.47	100.0	20.12	97.7	19.56	93.9	18.71	89.3	17.01
		288.0	107.7	20.91	104.6	20.47	101.2	20.12	98.8	19.27	95.1	18.15	90.2	16.72
		360.0	108.3	20.77	105.1	20.29	101.7	19.85	99.2	19.01	95.4	18.15	90.7	17.01
		432.0	108.6	20.69	105.4	20.20	102.0	19.72	99.3	18.87	95.5	18.15	91.0	17.16
	20	115.2	107.4	18.18	104.5	17.74	101.1	17.30	98.4	17.01	94.8	16.53	89.8	15.45
		144.0	108.0	18.21	104.9	17.74	101.4	17.30	98.8	17.01	95.1	16.46	90.2	15.42
		288.0	110.3	18.36	106.3	17.74	102.6	17.30	100.3	17.01	96.3	16.16	91.6	15.31
		360.0	111.0	18.36	107.1	17.74	103.2	17.30	100.5	16.72	96.8	16.16	91.8	15.31
		432.0	111.3	18.36	107.6	17.74	103.5	17.30	100.7	16.57	97.1	16.16	92.0	15.31
	25	115.2	110.8	16.54	107.5	15.93	103.2	15.68	100.9	15.08	97.4	14.53	92.2	13.31
		144.0	111.0	16.51	107.5	15.87	103.2	15.60	100.9	15.01	97.4	14.46	92.2	13.31
		288.0	111.9	16.40	107.5	15.60	103.2	15.31	100.9	14.75	97.4	14.17	92.2	13.31
		360.0	112.5	16.40	107.5	15.66	103.2	15.01	100.9	14.75	97.4	13.90	92.2	13.05
		432.0	112.7	16.40	107.5	15.69	103.2	14.87	100.9	14.75	97.4	13.77	92.2	12.92
	30	115.2	112.5	15.08	107.5	14.53	103.2	13.98	100.9	13.69	97.4	12.83	92.2	11.98
		144.0	112.5	15.01	107.5	14.46	103.2	13.90	100.9	13.61	97.4	12.76	92.2	11.91
		288.0	112.5	14.75	107.5	14.17	103.2	13.61	100.9	13.31	97.4	12.46	92.2	11.62
		360.0	112.5	14.63	107.5	13.90	103.2	13.31	100.9	13.05	97.4	12.46	92.2	11.62
		432.0	112.5	14.58	107.5	13.77	103.2	13.16	100.9	12.92	97.4	12.46	92.2	11.62
	35	115.2	112.5	14.30	107.5	13.38	103.2	12.83	100.9	12.27	97.4	11.68	92.2	10.83
		144.0	112.5	14.17	107.5	13.31	103.2	12.76	100.9	12.20	97.4	11.62	92.2	10.76
		288.0	112.5	13.61	107.5	13.05	103.2	12.46	100.9	11.91	97.4	11.35	92.2	10.50
		360.0	112.5	13.25	107.5	12.76	103.2	12.20	100.9	11.91	97.4	11.35	92.2	10.50
		432.0	112.5	13.08	107.5	12.61	103.2	12.07	100.9	11.91	97.4	11.35	92.2	10.50

7. Capacity tables

Heating Capacity (30 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	40	115.2	112.5	13.45	107.5	12.90	103.2	12.05	100.9	11.43	97.4	10.83	92.2	9.98
		144.0	112.5	13.31	107.5	12.76	103.2	11.91	100.9	11.35	97.4	10.76	92.2	9.91
		288.0	112.5	12.76	107.5	12.20	103.2	11.35	100.9	11.06	97.4	10.50	92.2	9.65
		360.0	112.5	12.58	107.5	11.91	103.2	11.35	100.9	10.76	97.4	10.20	92.2	9.36
		432.0	112.5	12.49	107.5	11.76	103.2	11.35	100.9	10.61	97.4	10.06	92.2	9.21
	45	115.2	112.5	12.61	107.5	12.42	103.2	11.27	100.9	10.57	97.4	9.98	92.2	9.13
		144.0	112.5	12.46	107.5	12.20	103.2	11.06	100.9	10.50	97.4	9.91	92.2	9.06
		288.0	112.5	11.91	107.5	11.35	103.2	10.20	100.9	10.20	97.4	9.65	92.2	8.80
		360.0	112.5	11.91	107.5	11.06	103.2	10.50	100.9	9.65	97.4	9.06	92.2	8.21
		432.0	112.5	11.91	107.5	10.90	103.2	10.64	100.9	9.37	97.4	8.76	92.2	7.92
100	-5	115.2	38.0	18.05	37.7	17.01	37.5	15.61	37.2	14.95	36.9	14.29	36.2	13.00
		144.0	39.3	18.36	39.0	17.33	38.9	15.96	38.5	15.28	38.1	14.61	37.5	13.28
		288.0	44.5	19.59	44.2	18.63	44.0	17.30	43.5	16.57	43.2	15.87	42.5	14.43
		360.0	49.2	20.86	48.8	19.91	48.5	18.66	48.1	17.89	47.7	17.10	46.8	15.54
		432.0	51.5	21.49	51.1	20.57	50.8	19.33	50.4	18.55	50.1	17.72	49.1	16.11
	0	115.2	67.9	24.69	66.4	23.96	65.1	22.87	63.9	21.90	62.7	20.97	60.6	19.04
		144.0	68.3	24.75	66.8	24.02	65.4	22.93	64.2	21.97	63.1	21.03	60.9	19.09
		288.0	69.9	24.98	68.4	24.25	66.9	23.20	65.7	22.23	64.6	21.27	62.4	19.33
		360.0	70.9	24.98	69.4	24.25	68.0	23.20	66.7	22.23	65.6	21.27	63.3	19.33
		432.0	71.4	24.98	70.0	24.25	68.5	23.20	67.2	22.23	66.0	21.27	63.8	19.33
	5	115.2	100.2	26.54	96.9	25.90	94.4	24.89	92.5	23.83	88.1	22.81	84.0	20.74
		144.0	100.5	26.66	97.0	26.02	94.4	25.01	92.5	23.96	88.1	22.93	84.0	20.86
		288.0	102.0	27.13	97.8	26.48	94.5	25.52	92.5	24.46	88.1	23.41	84.0	21.27
		360.0	102.6	27.30	98.0	26.66	94.5	25.70	92.5	24.63	88.1	23.55	84.0	21.41
		432.0	102.9	27.39	98.1	26.75	94.5	25.78	92.5	24.72	88.1	23.63	84.0	21.48
	10	115.2	100.8	23.73	97.2	23.22	94.5	22.49	92.5	21.73	88.1	20.65	84.0	18.89
		144.0	101.0	23.85	97.3	23.29	94.5	22.55	92.5	21.76	88.1	20.68	84.0	18.92
		288.0	102.0	24.28	97.8	23.58	94.5	22.81	92.5	21.88	88.1	20.77	84.0	19.01
		360.0	102.7	24.20	98.3	23.58	94.5	22.75	92.5	21.82	88.1	20.71	84.0	18.92
		432.0	103.0	24.15	98.5	23.58	94.5	22.73	92.5	21.79	88.1	20.67	84.0	18.87
	15	115.2	101.3	20.93	97.6	20.57	94.5	20.12	92.5	19.63	88.1	18.48	84.0	17.08
		144.0	101.4	21.03	97.7	20.58	94.5	20.12	92.5	19.56	88.1	18.42	84.0	17.01
		288.0	102.0	21.44	97.9	20.64	94.5	20.12	92.5	19.27	88.1	18.15	84.0	16.72
		360.0	102.9	21.09	98.4	20.47	94.5	19.85	92.5	19.01	88.1	17.86	84.0	16.46
		432.0	103.3	20.91	98.7	20.38	94.5	19.72	92.5	18.87	88.1	17.71	84.0	16.32
	20	115.2	101.9	17.90	98.1	17.43	94.5	17.01	92.5	16.78	88.1	15.68	84.0	14.90
		144.0	102.3	17.97	98.2	17.45	94.5	17.01	92.5	16.72	88.1	15.60	84.0	14.75
		288.0	103.8	18.31	98.4	17.51	94.5	17.01	92.5	16.46	88.1	15.31	84.0	14.17
		360.0	104.4	17.97	99.3	17.36	94.5	16.72	92.5	16.16	88.1	15.01	84.0	13.90
		432.0	104.7	17.81	99.8	17.29	94.5	16.57	92.5	16.02	88.1	14.87	84.0	13.77
	25	115.2	103.1	15.64	99.7	15.16	94.5	14.53	92.5	13.98	88.1	13.12	84.0	11.91
		144.0	103.5	15.66	99.7	15.07	94.5	14.46	92.5	13.90	88.1	13.05	84.0	11.91
		288.0	105.0	15.71	99.7	14.75	94.5	14.17	92.5	13.61	88.1	12.76	84.0	11.91
		360.0	105.5	15.36	99.7	14.63	94.5	13.90	92.5	13.31	88.1	12.76	84.0	11.62
		432.0	105.8	15.19	99.7	14.58	94.5	13.77	92.5	13.16	88.1	12.76	84.0	11.47
	30	115.2	105.5	14.23	99.7	13.12	94.5	12.23	92.5	11.98	88.1	11.06	84.0	10.57
		144.0	105.5	14.17	99.7	13.05	94.5	12.20	92.5	11.91	88.1	11.06	84.0	10.50
		288.0	105.5	13.90	99.7	12.76	94.5	12.08	92.5	11.62	88.1	11.06	84.0	10.20
		360.0	105.5	13.61	99.7	12.76	94.5	11.91	92.5	11.62	88.1	10.76	84.0	10.20
		432.0	105.5	13.46	99.7	12.76	94.5	11.82	92.5	11.62	88.1	10.61	84.0	10.20
	35	115.2	105.5	13.20	99.7	12.05	94.5	10.79	92.5	10.57	88.1	9.98	84.0	9.13
		144.0	105.5	13.05	99.7	11.91	94.5	10.76	92.5	10.50	88.1	9.91	84.0	9.06
		288.0	105.5	12.46	99.7	11.35	94.5	10.64	92.5	10.20	88.1	9.65	84.0	8.80
		360.0	105.5	12.46	99.7	11.35	94.5	10.50	92.5	10.20	88.1	9.65	84.0	8.80
		432.0	105.5	12.46	99.7	11.35	94.5	10.42	92.5	10.20	88.1	9.65	84.0	8.80
	40	115.2	105.5	12.35	99.7	11.20	94.5	9.68	92.5	9.43	88.1	8.88	84.0	8.28
		144.0	105.5	12.20	99.7	11.06	94.5	9.65	92.5	9.36	88.1	8.80	84.0	8.21
		288.0	105.5	11.62	99.7	10.50	94.5	9.53	92.5	9.06	88.1	8.51	84.0	7.95
		360.0	105.5	11.35	99.7	10.50	94.5	9.36	92.5	9.06	88.1	8.51	84.0	7.95
		432.0	105.5	11.22	99.7	10.50	94.5	9.27	92.5	9.06	88.1	8.51	84.0	7.95
	45	115.2	105.5	11.50	99.7	10.35	94.5	8.54	92.5	8.28	88.1	7.73	84.0	7.43
		144.0	105.5	11.35	99.7	10.20	94.5	8.51	92.5	8.21	88.1	7.65	84.0	7.36
		288.0	105.5	10.76	99.7	9.65	94.5	8.38	92.5	7.95	88.1	7.36	84.0	7.10
		360.0	105.5	10.20	99.7	9.65	94.5	8.21	92.5	7.95	88.1	7.36	84.0	7.10
		432.0	105.5	9.93	99.7	9.65	94.5	8.12	92.5	7.95	88.1	7.36	84.0	7.10
90	-5	115.2	35.9	16.75	34.8	15.26	33.7	13.40	33.5	12.77	33.2	12.30	32.7	11.05
		144.0	37.1	17.04	36.0	15.54	34.9	13.70	34.6	13.05	34.4	12.58	33.8	11.29
		288.0	42.0	18.18	40.7	16.69	39.5	14.87	39.2	14.17	39.0	13.67	38.1	12.26
		360.0	46.4	19.33	44.9	17.86	43.6	16.05	43.2	15.28	43.0	14.72	42.2	13.22
		432.0	48.6	19.90	47.1	18.45	45.7	16.63	45.3	15.84	45.0	15.26	44.2	13.72
	0	115.2	64.2	22.81	61.2	21.41	58.4	19.66	57.5	18.75	56.5	18.04	54.4	16.21
		144.0	64.5	22.87	61.5	21.47	58.7	19.71	57.9	18.80	56.9	18.09	54.8	16.25
		288.0	66.0	23.12	63.0	21.70	60.1	19.91	59.1	19.01	58.2	18.31	56.1	16.43
		360.0	67.0	23.12	63.9	21.70	61.1	19.91	60.0	19.01	59.1	18.31	57.0	16.43
		432.0	67.5	23.12	64.4	21.70	61.6	19.91	60.5	19.01	59.7	18.31	57.4	16.43
	5	115.2	90.6	24.50	87.7	23.12	84.9	21.40	83.1	20.39	79.5	19.63	75.7	17.62
		144.0	90.7	24.60	87.6	23.23	84.9	21.50	83.1	20.50	79.5	19.74	75.7	17.71
		288.0	91.1	25.04	87.4	23.67	84.9	21.91	83.1	20.91	79.5	20.15	75.7	18.06
		360.0	91.6	25.19	87.6	23.82	84.9	22.08	83.1	21.06	79.5	20.29	75.7	18.21
		432.0	91.8	25.26	87.8	23.89	84.9	22.17	83.1	21.13	79.5	20.36	75.7	18.29

7. Capacity tables

Heating Capacity (30 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	10	115.2	91.1	21.63	88.0	20.57	84.9	19.36	83.1	18.57	79.5	17.81	75.7	16.06
		144.0	91.1	21.64	87.9	20.58	84.9	19.39	83.1	18.60	79.5	17.80	75.7	16.08
		288.0	90.9	21.70	87.5	20.68	84.9	19.47	83.1	18.68	79.5	17.74	75.7	16.13
		360.0	91.5	21.64	87.7	20.61	84.9	19.41	83.1	18.63	79.5	17.80	75.7	16.19
		432.0	91.8	21.62	87.9	20.58	84.9	19.39	83.1	18.60	79.5	17.83	75.7	16.22
	15	115.2	91.6	18.73	88.3	18.05	84.9	17.38	83.1	16.78	79.5	16.01	75.7	14.53
		144.0	91.4	18.66	88.2	17.97	84.9	17.30	83.1	16.72	79.5	15.87	75.7	14.46
		288.0	90.8	18.36	87.6	17.68	84.9	17.01	83.1	16.46	79.5	15.31	75.7	14.17
		360.0	91.4	18.09	87.8	17.42	84.9	16.72	83.1	16.16	79.5	15.31	75.7	14.17
		432.0	91.8	17.96	87.9	17.29	84.9	16.57	83.1	16.02	79.5	15.31	75.7	14.17
	20	115.2	92.1	15.81	88.7	15.35	84.9	14.82	83.1	14.23	79.5	13.75	75.7	12.90
		144.0	92.1	15.81	88.5	15.31	84.9	14.75	83.1	14.17	79.5	13.61	75.7	12.76
		288.0	91.7	15.81	87.8	15.13	84.9	14.46	83.1	13.90	79.5	13.05	75.7	12.20
		360.0	92.0	15.54	88.1	15.01	84.9	14.46	83.1	13.90	79.5	13.05	75.7	12.20
		432.0	92.1	15.41	88.2	14.96	84.9	14.46	83.1	13.90	79.5	13.05	75.7	12.20
	25	115.2	93.6	13.82	89.8	13.08	84.9	12.53	83.1	11.91	79.5	11.43	75.7	10.57
		144.0	93.9	13.79	89.8	13.05	84.9	12.46	83.1	11.91	79.5	11.35	75.7	10.50
		288.0	94.8	13.67	89.8	12.93	84.9	12.20	83.1	11.91	79.5	11.06	75.7	10.20
		360.0	95.1	13.31	89.8	12.64	84.9	12.20	83.1	11.62	79.5	11.06	75.7	10.20
		432.0	95.3	13.13	89.8	12.49	84.9	12.20	83.1	11.47	79.5	11.06	75.7	10.20
	30	115.2	95.1	12.53	89.8	11.68	84.9	10.83	83.1	10.57	79.5	9.98	75.7	9.06
		144.0	95.1	12.46	89.8	11.62	84.9	10.76	83.1	10.50	79.5	9.91	75.7	9.06
		288.0	95.1	12.20	89.8	11.35	84.9	10.50	83.1	10.20	79.5	9.65	75.7	9.06
		360.0	95.1	11.91	89.8	11.06	84.9	10.50	83.1	10.20	79.5	9.65	75.7	8.80
		432.0	95.1	11.76	89.8	10.90	84.9	10.50	83.1	10.20	79.5	9.65	75.7	8.66
	35	115.2	95.1	11.43	89.8	10.57	84.9	9.72	83.1	9.43	79.5	8.88	75.7	8.28
		144.0	95.1	11.35	89.8	10.50	84.9	9.65	83.1	9.36	79.5	8.80	75.7	8.21
		288.0	95.1	11.06	89.8	10.20	84.9	9.36	83.1	9.06	79.5	8.51	75.7	7.95
		360.0	95.1	10.76	89.8	9.91	84.9	9.06	83.1	8.80	79.5	8.51	75.7	7.95
		432.0	95.1	10.61	89.8	9.77	84.9	8.92	83.1	8.66	79.5	8.51	75.7	7.95
	40	115.2	95.1	10.64	89.8	9.72	84.9	8.58	83.1	8.28	79.5	8.02	75.7	7.43
		144.0	95.1	10.50	89.8	9.65	84.9	8.51	83.1	8.21	79.5	7.95	75.7	7.36
		288.0	95.1	9.91	89.8	9.36	84.9	8.21	83.1	7.95	79.5	7.65	75.7	7.10
		360.0	95.1	9.91	89.8	9.36	84.9	8.21	83.1	7.95	79.5	7.65	75.7	7.10
		432.0	95.1	9.91	89.8	9.36	84.9	8.21	83.1	7.95	79.5	7.65	75.7	7.10
	45	115.2	95.1	9.87	89.8	8.88	84.9	7.43	83.1	7.17	79.5	7.17	75.7	6.57
		144.0	95.1	9.65	89.8	8.80	84.9	7.36	83.1	7.10	79.5	7.10	75.7	6.51
		288.0	95.1	8.80	89.8	8.51	84.9	7.10	83.1	6.81	79.5	6.81	75.7	6.25
		360.0	95.1	9.06	89.8	8.80	84.9	7.36	83.1	7.10	79.5	6.81	75.7	6.25
		432.0	95.1	9.20	89.8	8.95	84.9	7.49	83.1	7.24	79.5	6.81	75.7	6.25
80	-5	115.2	33.9	11.94	31.8	11.48	30.1	10.99	29.7	10.62	29.6	10.13	29.0	9.33
		144.0	35.1	12.20	32.9	11.73	31.1	11.24	30.8	10.85	30.6	10.35	30.0	9.53
		288.0	39.6	13.25	37.2	12.73	35.1	12.17	34.8	11.76	34.6	11.24	33.9	10.32
		360.0	43.8	14.28	41.1	13.73	38.9	13.13	38.4	12.70	38.2	12.11	37.5	11.15
		432.0	46.0	14.80	43.0	14.23	40.7	13.63	40.2	13.18	40.1	12.55	39.2	11.56
	0	115.2	60.6	17.52	55.8	16.81	52.0	16.12	51.0	15.55	50.3	14.82	48.4	13.66
		144.0	60.9	17.56	56.1	16.86	52.3	16.16	51.3	15.60	50.7	14.87	48.7	13.70
		288.0	62.4	17.77	57.5	17.07	53.5	16.34	52.5	15.77	51.9	15.04	49.8	13.85
		360.0	63.3	17.77	58.4	17.07	54.4	16.34	53.4	15.77	52.7	15.04	50.7	13.85
		432.0	63.7	17.77	58.8	17.07	54.9	16.34	53.7	15.77	53.1	15.04	51.0	13.85
	5	115.2	83.7	19.05	79.0	18.32	75.6	17.50	73.9	16.92	70.8	16.14	67.2	14.85
		144.0	84.0	19.15	79.2	18.42	75.6	17.59	73.9	17.01	70.8	16.22	67.2	14.93
		288.0	84.6	19.56	79.8	18.77	75.7	17.97	73.9	17.36	70.8	16.54	67.2	15.25
		360.0	84.6	19.68	79.8	18.92	75.7	18.09	73.9	17.48	70.8	16.66	67.2	15.34
		432.0	84.6	19.74	79.7	18.99	75.7	18.16	73.9	17.54	70.8	16.72	67.2	15.38
	10	115.2	84.2	17.53	79.4	16.73	75.6	15.89	73.9	15.45	70.8	14.63	67.2	13.54
		144.0	84.3	17.51	79.5	16.72	75.6	15.90	73.9	15.45	70.8	14.63	67.2	13.55
		288.0	84.6	17.42	79.8	16.63	75.7	15.93	73.9	15.48	70.8	14.66	67.2	13.58
		360.0	84.6	17.36	79.8	16.69	75.7	15.99	73.9	15.39	70.8	14.58	67.2	13.50
		432.0	84.6	17.33	79.7	16.72	75.7	16.02	73.9	15.35	70.8	14.53	67.2	13.45
	15	115.2	84.6	16.01	79.8	15.16	75.7	14.23	73.9	13.98	70.8	13.12	67.2	12.27
		144.0	84.6	15.87	79.8	15.01	75.7	14.17	73.9	13.90	70.8	13.05	67.2	12.20
		288.0	84.6	15.31	79.8	14.46	75.7	13.90	73.9	13.61	70.8	12.76	67.2	11.91
		360.0	84.6	15.01	79.8	14.46	75.7	13.90	73.9	13.31	70.8	12.46	67.2	11.62
		432.0	84.6	14.87	79.8	14.46	75.7	13.90	73.9	13.16	70.8	12.32	67.2	11.47
	20	115.2	84.6	13.38	79.8	12.83	75.7	12.20	73.9	11.98	70.8	11.43	67.2	10.57
		144.0	84.6	13.31	79.8	12.76	75.7	12.20	73.9	11.91	70.8	11.35	67.2	10.50
		288.0	84.6	13.05	79.8	12.46	75.7	12.20	73.9	11.62	70.8	11.06	67.2	10.20
		360.0	84.6	12.76	79.8	12.20	75.7	11.91	73.9	11.62	70.8	10.76	67.2	10.20
		432.0	84.6	12.61	79.8	12.07	75.7	11.76	73.9	11.62	70.8	10.61	67.2	10.20
	25	115.2	84.6	11.98	79.8	11.13	75.7	10.50	73.9	10.28	70.8	9.72	67.2	9.13
		144.0	84.6	11.91	79.8	11.06	75.7	10.50	73.9	10.20	70.8	9.65	67.2	9.06
		288.0	84.6	11.62	79.8	10.76	75.7	10.50	73.9	9.91	70.8	9.36	67.2	8.80
		360.0	84.6	11.35	79.8	10.76	75.7	10.20	73.9	9.91	70.8	9.36	67.2	8.80
		432.0	84.6	11.22	79.8	10.76	75.7	10.06	73.9	9.91	70.8	9.36	67.2	8.80
	30	115.2	84.6	10.57	79.8	9.98	75.7	9.43	73.9	9.13	70.8	8.58	67.2	8.02
		144.0	84.6	10.50	79.8	9.91	75.7	9.36	73.9	9.06	70.8	8.51	67.2	7.95
		288.0	84.6	10.20	79.8	9.65	75.7	9.06	73.9	8.80	70.8	8.21	67.2	7.65
		360.0	84.6	10.20	79.8	9.65	75.7	9.06	73.9	8.80	70.8	8.21	67.2	7.65
		432.0	84.6	10.20	79.8	9.65	75.7	9.06	73.9	8.80	70.8	8.21	67.2	7.65

7. Capacity tables

Heating Capacity (30 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	35	115.2	84.6	9.72	79.8	9.13	75.7	8.28	73.9	7.95	70.8	7.73	67.2	7.10
		144.0	84.6	9.65	79.8	9.06	75.7	8.21	73.9	7.95	70.8	7.65	67.2	7.10
		288.0	84.6	9.36	79.8	8.80	75.7	7.95	73.9	7.95	70.8	7.36	67.2	7.10
		360.0	84.6	9.36	79.8	8.51	75.7	7.95	73.9	7.65	70.8	7.36	67.2	6.81
		432.0	84.6	9.36	79.8	8.35	75.7	7.95	73.9	7.51	70.8	7.36	67.2	6.66
	40	115.2	84.6	9.20	79.8	8.28	75.7	7.36	73.9	7.43	70.8	6.81	67.2	6.57
		144.0	84.6	9.06	79.8	8.21	75.7	7.36	73.9	7.36	70.8	6.81	67.2	6.51
		288.0	84.6	8.51	79.8	7.95	75.7	7.36	73.9	7.10	70.8	6.81	67.2	6.25
		360.0	84.6	8.51	79.8	7.95	75.7	7.10	73.9	7.10	70.8	6.81	67.2	6.25
		432.0	84.6	8.51	79.8	7.95	75.7	6.97	73.9	7.10	70.8	6.81	67.2	6.25
	45	115.2	84.6	8.72	79.8	7.43	75.7	6.44	73.9	6.94	70.8	5.88	67.2	6.09
		144.0	84.6	8.51	79.8	7.36	75.7	6.51	73.9	6.81	70.8	5.95	67.2	5.95
		288.0	84.6	7.65	79.8	7.10	75.7	6.81	73.9	6.25	70.8	6.25	67.2	5.39
		360.0	84.6	7.65	79.8	7.36	75.7	6.25	73.9	6.51	70.8	6.25	67.2	5.66
		432.0	84.6	7.65	79.8	7.49	75.7	5.96	73.9	6.65	70.8	6.25	67.2	5.79
70	-5	115.2	29.6	10.25	27.8	9.75	26.3	9.44	26.0	8.90	25.8	8.58	25.4	7.81
		144.0	30.6	10.47	28.8	9.97	27.2	9.65	26.9	9.09	26.7	8.77	26.3	7.97
		288.0	34.6	11.35	32.5	10.82	30.7	10.47	30.4	9.85	30.3	9.50	29.7	8.66
		360.0	38.4	12.26	36.0	11.67	33.9	11.29	33.6	10.61	33.4	10.26	32.8	9.33
		432.0	40.2	12.71	37.7	12.10	35.6	11.70	35.3	11.00	35.0	10.65	34.3	9.66
	0	115.2	53.0	15.00	48.9	14.30	45.4	13.83	44.7	13.02	44.0	12.58	42.4	11.44
		144.0	53.3	15.04	49.2	14.34	45.7	13.87	44.9	13.05	44.2	12.61	42.6	11.47
		288.0	54.5	15.22	50.4	14.49	46.8	14.05	46.0	13.19	45.3	12.76	43.6	11.59
		360.0	55.3	15.22	51.2	14.49	47.4	14.05	46.7	13.19	46.0	12.76	44.3	11.59
		432.0	55.7	15.22	51.6	14.49	47.8	14.05	47.1	13.19	46.3	12.76	44.7	11.59
	5	115.2	73.2	16.34	69.3	15.55	66.0	15.06	64.6	14.18	61.7	13.68	58.8	12.43
		144.0	73.3	16.43	69.4	15.63	66.0	15.13	64.6	14.25	61.7	13.76	58.8	12.49
		288.0	73.9	16.75	69.9	15.96	66.1	15.45	64.6	14.52	61.7	14.05	58.8	12.76
		360.0	73.9	16.86	69.9	16.08	66.1	15.57	64.6	14.63	61.7	14.14	58.8	12.84
		432.0	73.9	16.92	69.9	16.13	66.1	15.63	64.6	14.69	61.7	14.18	58.8	12.89
	10	115.2	73.5	15.04	69.6	14.23	66.1	13.70	64.6	12.93	61.7	12.40	58.8	11.35
		144.0	73.6	15.01	69.6	14.20	66.1	13.67	64.6	12.93	61.7	12.40	58.8	11.35
		288.0	73.9	14.90	69.9	14.08	66.1	13.55	64.6	12.93	61.7	12.40	58.8	11.35
		360.0	73.9	14.96	69.9	14.14	66.1	13.61	64.6	12.99	61.7	12.32	58.8	11.38
		432.0	73.9	14.98	69.9	14.17	66.1	13.64	64.6	13.02	61.7	12.27	58.8	11.40
	15	115.2	73.9	13.75	69.9	12.90	66.1	12.35	64.6	11.68	61.7	11.13	58.8	10.28
		144.0	73.9	13.61	69.9	12.76	66.1	12.20	64.6	11.62	61.7	11.06	58.8	10.20
		288.0	73.9	13.05	69.9	12.20	66.1	11.62	64.6	11.35	61.7	10.76	58.8	9.91
		360.0	73.9	13.05	69.9	12.20	66.1	11.62	64.6	11.35	61.7	10.50	58.8	9.91
		432.0	73.9	13.05	69.9	12.20	66.1	11.62	64.6	11.35	61.7	10.36	58.8	9.91
	20	115.2	73.9	11.43	69.9	10.83	66.1	10.57	64.6	10.28	61.7	9.72	58.8	9.13
		144.0	73.9	11.35	69.9	10.76	66.1	10.50	64.6	10.20	61.7	9.65	58.8	9.06
		288.0	73.9	11.06	69.9	10.50	66.1	10.20	64.6	9.91	61.7	9.36	58.8	8.80
		360.0	73.9	11.06	69.9	10.50	66.1	10.20	64.6	9.65	61.7	9.36	58.8	8.51
		432.0	73.9	11.06	69.9	10.50	66.1	10.20	64.6	9.52	61.7	9.36	58.8	8.35
	25	115.2	73.9	10.28	69.9	9.72	66.1	9.13	64.6	8.88	61.7	8.21	58.8	7.65
		144.0	73.9	10.20	69.9	9.65	66.1	9.06	64.6	8.80	61.7	8.21	58.8	7.65
		288.0	73.9	9.91	69.9	9.36	66.1	8.80	64.6	8.51	61.7	8.21	58.8	7.65
		360.0	73.9	9.65	69.9	9.06	66.1	8.80	64.6	8.51	61.7	7.95	58.8	7.65
		432.0	73.9	9.52	69.9	8.92	66.1	8.80	64.6	8.51	61.7	7.81	58.8	7.65
	30	115.2	73.9	9.13	69.9	8.58	66.1	8.02	64.6	7.65	61.7	7.43	58.8	6.81
		144.0	73.9	9.06	69.9	8.51	66.1	7.95	64.6	7.65	61.7	7.36	58.8	6.81
		288.0	73.9	8.80	69.9	8.21	66.1	7.65	64.6	7.65	61.7	7.10	58.8	6.81
		360.0	73.9	8.80	69.9	8.21	66.1	7.65	64.6	7.36	61.7	7.10	58.8	6.81
		432.0	73.9	8.80	69.9	8.21	66.1	7.65	64.6	7.21	61.7	7.10	58.8	6.81
	35	115.2	73.9	8.28	69.9	7.73	66.1	7.10	64.6	7.17	61.7	6.51	58.8	6.32
		144.0	73.9	8.21	69.9	7.65	66.1	7.10	64.6	7.10	61.7	6.51	58.8	6.25
		288.0	73.9	7.95	69.9	7.36	66.1	7.10	64.6	6.81	61.7	6.51	58.8	5.95
		360.0	73.9	7.95	69.9	7.36	66.1	6.81	64.6	6.81	61.7	6.51	58.8	5.95
		432.0	73.9	7.95	69.9	7.36	66.1	6.66	64.6	6.81	61.7	6.51	58.8	5.95
	40	115.2	73.9	7.73	69.9	7.17	66.1	6.57	64.6	6.25	61.7	5.95	58.8	5.73
		144.0	73.9	7.65	69.9	7.10	66.1	6.51	64.6	6.25	61.7	5.95	58.8	5.66
		288.0	73.9	7.36	69.9	6.81	66.1	6.25	64.6	6.25	61.7	5.95	58.8	5.39
		360.0	73.9	7.36	69.9	6.81	66.1	6.25	64.6	5.95	61.7	5.66	58.8	5.39
		432.0	73.9	7.36	69.9	6.81	66.1	6.25	64.6	5.80	61.7	5.51	58.8	5.39
	45	115.2	73.9	7.17	69.9	6.57	66.1	6.09	64.6	5.33	61.7	5.39	58.8	5.18
		144.0	73.9	7.10	69.9	6.51	66.1	5.95	64.6	5.39	61.7	5.39	58.8	5.10
		288.0	73.9	6.81	69.9	6.25	66.1	5.39	64.6	5.66	61.7	5.39	58.8	4.81
		360.0	73.9	6.81	69.9	6.25	66.1	5.66	64.6	5.10	61.7	4.81	58.8	4.81
		432.0	73.9	6.81	69.9	6.25	66.1	5.79	64.6	4.82	61.7	4.52	58.8	4.81
60	-5	115.2	25.4	8.32	23.8	8.00	22.5	7.69	22.2	7.14	22.2	7.03	21.7	6.28
		144.0	26.3	8.51	24.6	8.18	23.3	7.86	23.1	7.30	22.9	7.19	22.5	6.43
		288.0	29.8	9.24	27.9	8.89	26.4	8.54	26.1	7.92	26.0	7.80	25.5	6.98
		360.0	32.9	9.94	30.8	9.59	29.2	9.21	28.8	8.57	28.8	8.41	28.2	7.51
		432.0	34.5	10.29	32.2	9.94	30.6	9.55	30.2	8.89	30.1	8.73	29.4	7.77
	0	115.2	45.4	12.19	41.9	11.76	39.0	11.25	38.3	10.47	37.8	10.32	36.3	9.21
		144.0	45.7	12.23	42.1	11.79	39.3	11.29	38.5	10.50	38.0	10.35	36.6	9.24
		288.0	46.8	12.38	43.1	11.91	40.2	11.44	39.4	10.61	38.9	10.47	37.4	9.33
		360.0	47.4	12.38	43.8	11.91	40.9	11.44	40.0	10.61	39.5	10.47	38.0	9.33
		432.0	47.8	12.38	44.1	11.91	41.2	11.44	40.3	10.61	39.8	10.47	38.3	9.33

7. Capacity tables

Heating Capacity (30 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	5	115.2	62.8	13.28	59.2	12.78	56.8	12.25	55.4	11.41	53.0	11.24	50.4	10.01
		144.0	63.0	13.34	59.4	12.84	56.8	12.32	55.4	11.47	53.0	11.29	50.4	10.06
		288.0	63.5	13.61	59.8	13.11	56.8	12.58	55.4	11.70	53.0	11.53	50.4	10.26
		360.0	63.5	13.73	59.7	13.19	56.8	12.67	55.4	11.79	53.0	11.59	50.4	10.35
		432.0	63.5	13.79	59.7	13.24	56.8	12.71	55.4	11.84	53.0	11.62	50.4	10.39
	10	115.2	63.1	12.20	59.4	11.67	56.8	11.12	55.4	10.38	53.0	10.19	50.4	9.13
		144.0	63.2	12.20	59.5	11.67	56.8	11.12	55.4	10.41	53.0	10.17	50.4	9.15
		288.0	63.5	12.20	59.8	11.67	56.8	11.12	55.4	10.53	53.0	10.15	50.4	9.24
		360.0	63.5	12.23	59.7	11.56	56.8	11.00	55.4	10.41	53.0	10.06	50.4	9.15
		432.0	63.5	12.24	59.7	11.50	56.8	10.93	55.4	10.35	53.0	10.01	50.4	9.11
	15	115.2	63.5	11.13	59.7	10.57	56.8	9.98	55.4	9.36	53.0	9.13	50.4	8.21
		144.0	63.5	11.06	59.7	10.50	56.8	9.91	55.4	9.36	53.0	9.06	50.4	8.21
		288.0	63.5	10.76	59.7	10.20	56.8	9.65	55.4	9.36	53.0	8.80	50.4	8.21
		360.0	63.5	10.76	59.7	9.91	56.8	9.36	55.4	9.06	53.0	8.51	50.4	7.95
		432.0	63.5	10.76	59.7	9.77	56.8	9.21	55.4	8.92	53.0	8.35	50.4	7.81
	20	115.2	63.5	9.72	59.7	9.13	56.8	8.58	55.4	8.28	53.0	8.02	50.4	7.43
		144.0	63.5	9.65	59.7	9.06	56.8	8.51	55.4	8.21	53.0	7.95	50.4	7.36
		288.0	63.5	9.36	59.7	8.80	56.8	8.21	55.4	7.95	53.0	7.65	50.4	7.10
		360.0	63.5	9.36	59.7	8.80	56.8	8.21	55.4	7.95	53.0	7.65	50.4	7.10
		432.0	63.5	9.36	59.7	8.80	56.8	8.21	55.4	7.95	53.0	7.65	50.4	7.10
	25	115.2	63.5	8.58	59.7	8.02	56.8	7.36	55.4	7.43	53.0	6.81	50.4	6.57
		144.0	63.5	8.51	59.7	7.95	56.8	7.36	55.4	7.36	53.0	6.81	50.4	6.51
		288.0	63.5	8.21	59.7	7.65	56.8	7.36	55.4	7.10	53.0	6.81	50.4	6.25
		360.0	63.5	8.21	59.7	7.65	56.8	7.10	55.4	7.10	53.0	6.81	50.4	6.25
		432.0	63.5	8.21	59.7	7.65	56.8	6.97	55.4	7.10	53.0	6.81	50.4	6.25
	30	115.2	63.5	7.73	59.7	7.17	56.8	6.88	55.4	6.57	53.0	6.32	50.4	6.03
		144.0	63.5	7.65	59.7	7.10	56.8	6.81	55.4	6.51	53.0	6.25	50.4	5.95
		288.0	63.5	7.36	59.7	6.81	56.8	6.51	55.4	6.25	53.0	5.95	50.4	5.66
		360.0	63.5	7.36	59.7	6.81	56.8	6.51	55.4	6.25	53.0	5.95	50.4	5.66
		432.0	63.5	7.36	59.7	6.81	56.8	6.51	55.4	6.25	53.0	5.95	50.4	5.66
	35	115.2	63.5	6.81	59.7	6.57	56.8	5.95	55.4	6.03	53.0	5.73	50.4	5.47
		144.0	63.5	6.81	59.7	6.51	56.8	5.95	55.4	5.95	53.0	5.66	50.4	5.39
		288.0	63.5	6.81	59.7	6.25	56.8	5.95	55.4	5.66	53.0	5.39	50.4	5.10
		360.0	63.5	6.81	59.7	6.25	56.8	5.66	55.4	5.66	53.0	5.39	50.4	5.10
		432.0	63.5	6.81	59.7	6.25	56.8	5.51	55.4	5.66	53.0	5.39	50.4	5.10
	40	115.2	63.5	6.25	59.7	6.03	56.8	5.39	55.4	5.47	53.0	5.18	50.4	4.81
		144.0	63.5	6.25	59.7	5.95	56.8	5.39	55.4	5.39	53.0	5.10	50.4	4.81
		288.0	63.5	6.25	59.7	5.66	56.8	5.39	55.4	5.10	53.0	4.81	50.4	4.81
		360.0	63.5	6.25	59.7	5.66	56.8	5.39	55.4	5.10	53.0	4.81	50.4	4.81
		432.0	63.5	6.25	59.7	5.66	56.8	5.39	55.4	5.10	53.0	4.81	50.4	4.81
	45	115.2	63.5	5.66	59.7	5.47	56.8	4.81	55.4	4.88	53.0	4.62	50.4	4.18
		144.0	63.5	5.66	59.7	5.39	56.8	4.81	55.4	4.81	53.0	4.55	50.4	4.26
		288.0	63.5	5.66	59.7	5.10	56.8	4.81	55.4	4.55	53.0	4.26	50.4	4.55
		360.0	63.5	5.66	59.7	5.10	56.8	5.10	55.4	4.55	53.0	4.26	50.4	4.55
		432.0	63.5	5.66	59.7	5.10	56.8	5.25	55.4	4.55	53.0	4.26	50.4	4.55
50	-5	115.2	21.2	6.63	19.9	6.28	18.8	5.95	18.5	5.63	18.4	5.28	18.1	5.00
		144.0	21.9	6.78	20.6	6.43	19.5	6.07	19.2	5.74	19.1	5.39	18.7	5.10
		288.0	24.7	7.33	23.2	6.98	22.0	6.57	21.7	6.25	21.6	5.86	21.2	5.51
		360.0	27.3	7.92	25.7	7.51	24.3	7.10	24.0	6.75	23.8	6.31	23.4	5.95
		432.0	28.7	8.22	26.9	7.77	25.4	7.36	25.2	7.00	24.9	6.53	24.6	6.18
	0	115.2	37.8	9.71	35.0	9.21	32.5	8.69	31.8	8.24	31.4	7.75	30.3	7.30
		144.0	38.0	9.74	35.1	9.24	32.7	8.71	32.0	8.27	31.5	7.77	30.4	7.33
		288.0	38.9	9.82	36.0	9.33	33.5	8.83	32.8	8.38	32.4	7.86	31.1	7.42
		360.0	39.5	9.82	36.5	9.33	33.9	8.83	33.3	8.38	32.8	7.86	31.6	7.42
		432.0	39.8	9.82	36.7	9.33	34.2	8.83	33.6	8.38	33.0	7.86	31.9	7.42
	5	115.2	52.2	10.57	49.5	10.01	47.2	9.45	46.1	8.99	44.1	8.44	42.0	7.93
		144.0	52.3	10.61	49.6	10.06	47.2	9.50	46.1	9.04	44.1	8.47	42.0	7.97
		288.0	52.8	10.82	49.9	10.26	47.3	9.71	46.1	9.21	44.1	8.63	42.0	8.15
		360.0	52.8	10.90	49.8	10.35	47.3	9.77	46.1	9.27	44.1	8.71	42.0	8.21
		432.0	52.8	10.96	49.8	10.39	47.3	9.80	46.1	9.30	44.1	8.76	42.0	8.24
	10	115.2	52.5	9.72	49.6	9.15	47.2	8.61	46.1	8.22	44.1	7.61	42.0	7.26
		144.0	52.5	9.71	49.7	9.15	47.2	8.60	46.1	8.21	44.1	7.62	42.0	7.24
		288.0	52.8	9.65	49.9	9.12	47.3	8.54	46.1	8.15	44.1	7.71	42.0	7.19
		360.0	52.8	9.71	49.8	9.15	47.3	8.57	46.1	8.18	44.1	7.59	42.0	7.21
		432.0	52.8	9.74	49.8	9.17	47.3	8.58	46.1	8.19	44.1	7.54	42.0	7.23
	15	115.2	52.8	8.88	49.8	8.28	47.3	7.73	46.1	7.43	44.1	6.81	42.0	6.57
		144.0	52.8	8.80	49.8	8.21	47.3	7.65	46.1	7.36	44.1	6.81	42.0	6.51
		288.0	52.8	8.51	49.8	7.95	47.3	7.36	46.1	7.10	44.1	6.81	42.0	6.25
		360.0	52.8	8.51	49.8	7.95	47.3	7.36	46.1	7.10	44.1	6.51	42.0	6.25
		432.0	52.8	8.51	49.8	7.95	47.3	7.36	46.1	7.10	44.1	6.37	42.0	6.25
	20	115.2	52.8	7.73	49.8	7.17	47.3	6.88	46.1	6.57	44.1	6.32	42.0	5.66
		144.0	52.8	7.65	49.8	7.10	47.3	6.81	46.1	6.51	44.1	6.25	42.0	5.66
		288.0	52.8	7.36	49.8	6.81	47.3	6.51	46.1	6.25	44.1	5.95	42.0	5.66
		360.0	52.8	7.36	49.8	6.81	47.3	6.51	46.1	6.25	44.1	5.95	42.0	5.66
		432.0	52.8	7.36	49.8	6.81	47.3	6.51	46.1	6.25	44.1	5.95	42.0	5.66
	25	115.2	52.8	6.88	49.8	6.25	47.3	6.03	46.1	5.66	44.1	5.39	42.0	5.10
		144.0	52.8	6.81	49.8	6.25	47.3	5.95	46.1	5.66	44.1	5.39	42.0	5.10
		288.0	52.8	6.51	49.8	6.25	47.3	5.66	46.1	5.66	44.1	5.39	42.0	5.10
		360.0	52.8	6.51	49.8	6.25	47.3	5.66	46.1	5.66	44.1	5.39	42.0	5.10
		432.0	52.8	6.51	49.8	6.25	47.3	5.66	46.1	5.66	44.1	5.39	42.0	5.10

7. Capacity tables

Heating Capacity (30 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	30	115.2	52.8	6.32	49.8	5.73	47.3	5.47	46.1	5.10	44.1	5.18	42.0	4.88
		144.0	52.8	6.25	49.8	5.66	47.3	5.39	46.1	5.10	44.1	5.10	42.0	4.81
		288.0	52.8	5.95	49.8	5.39	47.3	5.10	46.1	5.10	44.1	4.81	42.0	4.55
		360.0	52.8	5.95	49.8	5.39	47.3	5.10	46.1	5.10	44.1	4.81	42.0	4.55
		432.0	52.8	5.95	49.8	5.39	47.3	5.10	46.1	5.10	44.1	4.81	42.0	4.55
	35	115.2	52.8	5.73	49.8	5.10	47.3	4.81	46.1	4.88	44.1	4.55	42.0	4.26
		144.0	52.8	5.66	49.8	5.10	47.3	4.81	46.1	4.81	44.1	4.55	42.0	4.26
		288.0	52.8	5.39	49.8	5.10	47.3	4.81	46.1	4.55	44.1	4.55	42.0	4.26
		360.0	52.8	5.39	49.8	5.10	47.3	4.81	46.1	4.55	44.1	4.55	42.0	4.26
		432.0	52.8	5.39	49.8	5.10	47.3	4.81	46.1	4.55	44.1	4.55	42.0	4.26
	40	115.2	52.8	5.18	49.8	4.88	47.3	4.62	46.1	4.26	44.1	4.33	42.0	3.96
		144.0	52.8	5.10	49.8	4.81	47.3	4.55	46.1	4.26	44.1	4.26	42.0	3.96
		288.0	52.8	4.81	49.8	4.55	47.3	4.26	46.1	4.26	44.1	3.96	42.0	3.96
		360.0	52.8	4.81	49.8	4.55	47.3	4.26	46.1	4.26	44.1	3.96	42.0	3.96
		432.0	52.8	4.81	49.8	4.55	47.3	4.26	46.1	4.26	44.1	3.96	42.0	3.96
	45	115.2	52.8	4.62	49.8	4.69	47.3	4.39	46.1	3.63	44.1	4.10	42.0	3.70
		144.0	52.8	4.55	49.8	4.55	47.3	4.26	46.1	3.70	44.1	3.96	42.0	3.70
		288.0	52.8	4.26	49.8	3.96	47.3	3.70	46.1	3.96	44.1	3.40	42.0	3.70
		360.0	52.8	4.26	49.8	3.96	47.3	3.70	46.1	3.96	44.1	3.40	42.0	3.70
		432.0	52.8	4.26	49.8	3.96	47.3	3.70	46.1	3.96	44.1	3.40	42.0	3.70

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB340LSA4

Heating Capacity (34 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (34 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (34 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (34 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (34 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (34 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (34 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB400LSA4

Heating Capacity (40 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (40 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (40 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (40 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (40 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (40 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (40 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

7.2.3 3 Units Combination

◆ ARWB420LSA4

Heating Capacity (42 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	161.6	62.6	25.18	62.1	23.71	61.8	22.07	60.9	21.42	61.6	20.85	59.9	18.70
		202.0	64.7	25.62	64.2	24.16	63.9	22.55	63.0	21.88	63.8	21.30	62.0	19.11
		404.0	73.2	27.36	72.6	25.99	72.3	24.45	71.3	23.75	72.0	23.09	70.3	20.72
		505.1	81.0	29.09	80.2	27.77	79.8	26.37	78.8	25.65	79.8	24.91	77.7	22.34
		606.0	84.9	29.98	84.0	28.67	83.5	27.32	82.5	26.62	83.6	25.83	81.4	23.16
	0	161.6	111.8	34.43	109.2	33.41	106.9	32.32	104.6	31.41	105.0	30.55	100.2	27.36
		202.0	112.5	34.52	109.8	33.49	107.6	32.41	105.2	31.50	105.6	30.63	100.8	27.44
		404.0	115.2	34.90	112.4	33.82	110.1	32.79	107.7	31.87	108.1	30.96	103.3	27.77
		505.1	117.0	34.90	114.0	33.82	111.7	32.79	109.2	31.87	109.7	30.96	104.7	27.77
		606.0	117.8	34.90	114.9	33.82	112.6	32.79	110.1	31.87	110.4	30.96	105.5	27.77
	5	161.6	161.1	37.02	158.6	36.10	155.3	35.19	151.4	34.18	147.3	33.25	139.2	29.77
		202.0	161.6	37.19	159.0	36.28	155.4	35.36	151.4	34.36	147.3	33.41	139.2	29.93
		404.0	163.8	37.84	160.0	36.93	155.4	36.07	151.4	35.07	147.3	34.07	139.2	30.55
		505.1	164.8	38.09	160.5	37.19	155.4	36.31	151.4	35.31	147.3	34.32	139.2	30.75
		606.0	165.3	38.22	160.7	37.31	155.4	36.44	151.4	35.43	147.3	34.45	139.2	30.86
	10	161.6	161.2	33.68	158.6	32.55	154.8	31.93	150.8	31.22	146.8	30.16	138.6	27.21
		202.0	162.2	33.61	159.4	32.57	155.4	31.99	151.4	31.21	147.3	30.13	139.2	27.19
		404.0	166.0	33.37	162.3	32.70	157.9	32.24	153.9	31.17	149.5	30.05	141.3	27.11
		505.1	166.9	33.82	163.4	33.16	159.0	32.37	154.5	31.30	150.6	30.55	142.2	28.39
		606.0	167.4	34.05	164.0	33.39	159.4	32.43	154.9	31.36	151.0	30.80	142.8	29.04
	15	161.6	161.5	30.35	158.7	29.06	154.2	28.74	150.1	28.27	146.1	27.07	138.0	24.66
		202.0	162.8	30.05	159.9	28.92	155.4	28.68	151.4	28.06	147.3	26.86	139.2	24.45
		404.0	168.1	28.84	164.7	28.43	160.4	28.43	156.3	27.23	151.8	26.04	143.7	23.63
		505.1	169.0	29.55	166.3	29.09	162.3	28.43	157.9	27.23	153.9	26.78	145.3	26.04
		606.0	169.5	29.91	167.1	29.43	163.3	28.43	158.7	27.23	154.9	27.15	146.2	27.24
	20	161.6	167.6	27.84	164.6	26.55	160.2	25.98	155.8	25.13	151.2	24.57	142.3	23.83
		202.0	169.0	27.65	165.9	26.53	161.5	25.95	157.0	25.24	152.7	24.74	143.7	23.63
		404.0	174.3	26.86	171.2	26.45	166.4	25.87	161.9	25.65	157.9	25.40	148.9	22.84
		505.1	174.9	26.86	172.4	26.45	168.4	26.04	163.6	25.65	159.1	25.40	150.1	24.28
		606.0	175.4	26.86	173.1	26.45	169.4	26.11	164.4	25.65	159.7	25.40	150.8	25.02
	25	161.6	177.0	26.55	172.4	25.78	168.4	25.34	165.2	24.92	161.5	24.56	152.2	22.95
		202.0	177.0	26.45	172.4	25.74	168.4	25.24	165.2	24.83	161.5	24.45	152.2	22.84
		404.0	177.0	26.04	172.4	25.57	168.4	24.83	165.2	24.45	161.5	24.04	152.2	22.43
		505.1	177.0	25.65	172.4	24.91	168.4	24.45	165.2	24.04	161.5	23.63	152.2	22.04
		606.0	177.0	25.47	172.4	24.57	168.4	24.27	165.2	23.83	161.5	23.42	152.2	21.86
	30	161.6	177.0	25.87	172.4	24.57	168.4	24.35	165.2	23.71	161.5	23.46	152.2	21.83
		202.0	177.0	25.65	172.4	24.54	168.4	24.21	165.2	23.63	161.5	23.25	152.2	21.63
		404.0	177.0	24.83	172.4	24.37	168.4	23.63	165.2	23.25	161.5	22.43	152.2	20.85
		505.1	177.0	24.45	172.4	23.71	168.4	23.25	165.2	22.84	161.5	22.43	152.2	20.85
		606.0	177.0	24.27	172.4	23.37	168.4	23.07	165.2	22.63	161.5	22.43	152.2	20.85
	35	161.6	177.0	24.66	172.4	23.85	168.4	23.36	165.2	22.51	161.5	21.74	152.2	20.21
		202.0	177.0	24.45	172.4	23.71	168.4	23.25	165.2	22.43	161.5	21.63	152.2	20.02
		404.0	177.0	23.63	172.4	23.17	168.4	22.84	165.2	22.04	161.5	21.22	152.2	19.24
		505.1	177.0	23.63	172.4	22.92	168.4	22.43	165.2	21.63	161.5	20.85	152.2	19.24
		606.0	177.0	23.63	172.4	22.80	168.4	22.21	165.2	21.42	161.5	20.66	152.2	19.24
	40	161.6	177.0	23.83	172.4	23.07	168.4	22.62	165.2	21.83	161.5	21.06	152.2	19.01
		202.0	177.0	23.63	172.4	22.92	168.4	22.43	165.2	21.63	161.5	20.85	152.2	18.82
		404.0	177.0	22.84	172.4	22.34	168.4	21.63	165.2	20.85	161.5	20.02	152.2	18.03
		505.1	177.0	22.43	172.4	21.97	168.4	21.63	165.2	20.85	161.5	20.02	152.2	18.03
		606.0	177.0	22.21	172.4	21.78	168.4	21.63	165.2	20.85	161.5	20.02	152.2	18.03
	45	161.6	177.0	23.03	172.4	22.28	168.4	21.94	165.2	21.16	161.5	20.33	152.2	17.81
		202.0	177.0	22.84	172.4	22.13	168.4	21.63	165.2	20.85	161.5	20.02	152.2	17.62
		404.0	177.0	22.04	172.4	21.55	168.4	20.43	165.2	19.65	161.5	18.82	152.2	16.83
		505.1	177.0	21.22	172.4	21.01	168.4	20.85	165.2	20.02	161.5	19.24	152.2	16.83
		606.0	177.0	20.80	172.4	20.74	168.4	21.06	165.2	20.21	161.5	19.45	152.2	16.83
120	-5	161.6	59.4	25.18	59.0	23.71	58.7	22.07	57.9	21.13	58.4	20.52	56.9	18.37
		202.0	61.5	25.62	61.0	24.16	60.7	22.55	59.9	21.59	60.4	20.97	58.8	18.77
		404.0	69.7	27.36	69.1	25.99	68.7	24.45	67.8	23.42	68.4	22.76	66.6	20.39
		505.1	76.9	29.09	76.2	27.77	75.8	26.37	75.0	25.28	75.6	24.54	73.5	21.97
		606.0	80.6	29.98	80.0	28.67	79.4	27.32	78.6	26.22	79.2	25.43	76.9	22.77
	0	161.6	106.3	34.43	103.8	33.41	101.4	32.32	99.5	30.95	99.5	30.10	94.9	26.90
		202.0	106.9	34.52	104.4	33.49	102.1	32.41	100.1	31.04	100.1	30.17	95.5	26.98
		404.0	109.4	34.90	106.8	33.82	104.6	32.79	102.4	31.42	102.4	30.51	97.8	27.31
		505.1	111.1	34.90	108.6	33.82	106.2	32.79	104.0	31.42	103.9	30.51	99.3	27.31
		606.0	111.9	34.90	109.4	33.82	107.1	32.79	104.8	31.42	104.6	30.51	100.1	27.31
	5	161.6	153.3	37.02	151.0	36.10	147.6	35.19	144.1	33.69	139.6	32.74	131.9	29.32
		202.0	153.9	37.19	151.2	36.28	147.6	35.36	144.1	33.87	139.6	32.91	131.9	29.48
		404.0	156.0	37.84	152.4	36.93	147.6	36.07	144.1	34.57	139.6	33.58	131.9	30.05
		505.1	156.9	38.09	151.5	37.19	147.6	36.31	144.1	34.81	139.6	33.82	131.9	30.26
		606.0	157.3	38.22	151.1	37.31	147.6	36.44	144.1	34.94	139.6	33.95	131.9	30.36

7. Capacity tables

Heating Capacity (42 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	10	161.6	153.9	33.25	151.0	32.33	147.3	31.67	143.7	30.72	139.2	29.70	131.7	26.70
		202.0	154.5	33.37	151.6	32.45	147.6	31.78	144.1	30.75	139.6	29.68	131.9	26.74
		404.0	157.5	33.82	154.1	32.96	149.3	32.24	145.8	30.92	141.1	29.60	133.3	26.86
		505.1	158.3	33.70	153.6	32.96	150.0	32.37	146.4	31.04	141.7	29.72	133.9	27.77
		606.0	158.7	33.64	153.3	32.96	150.2	32.43	146.6	31.10	141.9	29.78	134.2	28.22
	15	161.6	154.3	29.49	151.2	28.62	146.8	28.17	143.3	27.75	138.8	26.63	131.2	24.15
		202.0	155.2	29.55	152.1	28.68	147.6	28.22	144.1	27.65	139.6	26.45	131.9	24.04
		404.0	158.7	29.81	155.8	28.92	151.0	28.43	147.3	27.23	142.4	25.65	134.8	23.63
		505.1	159.6	29.35	155.7	28.68	152.2	28.43	148.5	27.23	143.7	25.65	136.0	25.24
		606.0	160.1	29.11	155.6	28.56	152.9	28.43	149.1	27.23	144.3	25.65	136.6	26.06
	20	161.6	158.6	26.53	155.6	25.40	150.9	24.72	146.8	24.37	141.9	24.06	134.4	22.84
		202.0	159.6	26.53	156.5	25.48	151.8	24.83	147.6	24.45	142.8	24.04	135.0	22.76
		404.0	163.7	26.53	160.2	25.87	155.0	25.24	151.4	24.83	146.4	23.96	138.3	22.43
		505.1	164.4	26.28	160.1	25.65	156.3	25.24	152.2	24.83	147.3	24.04	139.2	23.25
		606.0	164.8	26.16	160.1	25.54	156.9	25.24	152.7	24.83	147.7	24.08	139.6	23.67
	25	161.6	166.3	25.09	161.5	23.92	156.3	23.46	152.9	22.95	148.9	22.51	140.7	20.95
		202.0	166.4	24.99	161.5	23.87	156.3	23.42	152.9	22.84	148.9	22.43	140.7	20.85
		404.0	166.8	24.62	161.5	23.71	156.3	23.25	152.9	22.43	148.9	22.04	140.7	20.43
		505.1	167.3	23.71	161.5	23.09	156.3	22.84	152.9	22.43	148.9	21.63	140.7	20.43
		606.0	167.5	23.25	161.5	22.78	156.3	22.63	152.9	22.43	148.9	21.42	140.7	20.43
	30	161.6	167.3	23.99	161.5	22.80	156.3	22.16	152.9	21.31	148.9	21.06	140.7	19.34
		202.0	167.3	23.80	161.5	22.68	156.3	22.04	152.9	21.22	148.9	20.85	140.7	19.24
		404.0	167.3	23.01	161.5	22.13	156.3	21.63	152.9	20.85	148.9	20.02	140.7	18.82
		505.1	167.3	22.25	161.5	21.63	156.3	21.22	152.9	20.85	148.9	20.02	140.7	18.44
		606.0	167.3	21.88	161.5	21.39	156.3	21.01	152.9	20.85	148.9	20.02	140.7	18.25
	35	161.6	167.3	22.91	161.5	21.67	156.3	21.06	152.9	20.21	148.9	19.42	140.7	17.71
		202.0	167.3	22.60	161.5	21.47	156.3	20.85	152.9	20.02	148.9	19.24	140.7	17.62
		404.0	167.3	21.30	161.5	20.68	156.3	20.02	152.9	19.24	148.9	18.44	140.7	17.24
		505.1	167.3	21.06	161.5	20.51	156.3	20.02	152.9	19.24	148.9	18.44	140.7	16.83
		606.0	167.3	20.93	161.5	20.43	156.3	20.02	152.9	19.24	148.9	18.44	140.7	16.62
	40	161.6	167.3	22.23	161.5	20.68	156.3	19.86	152.9	19.01	148.9	18.23	140.7	16.50
		202.0	167.3	21.80	161.5	20.43	156.3	19.65	152.9	18.82	148.9	18.03	140.7	16.42
		404.0	167.3	20.10	161.5	19.48	156.3	18.82	152.9	18.03	148.9	17.24	140.7	16.04
		505.1	167.3	19.86	161.5	19.24	156.3	18.82	152.9	18.03	148.9	17.24	140.7	15.63
		606.0	167.3	19.73	161.5	19.11	156.3	18.82	152.9	18.03	148.9	17.24	140.7	15.41
	45	161.6	167.3	21.54	161.5	19.68	156.3	18.66	152.9	17.81	148.9	17.03	140.7	15.30
		202.0	167.3	21.01	161.5	19.40	156.3	18.44	152.9	17.62	148.9	16.83	140.7	15.21
		404.0	167.3	18.90	161.5	18.27	156.3	17.62	152.9	16.83	148.9	16.04	140.7	14.83
		505.1	167.3	18.65	161.5	17.95	156.3	17.62	152.9	16.83	148.9	16.04	140.7	14.42
		606.0	167.3	18.53	161.5	17.78	156.3	17.62	152.9	16.83	148.9	16.04	140.7	14.21
110	-5	161.6	56.3	25.51	55.9	23.71	55.6	22.07	55.0	21.13	55.1	20.52	54.0	18.37
		202.0	58.2	25.95	57.8	24.16	57.5	22.55	56.9	21.59	57.0	20.97	55.7	18.77
		404.0	65.8	27.69	65.5	25.99	65.1	24.45	64.5	23.42	64.5	22.76	63.1	20.39
		505.1	72.7	29.48	72.3	27.77	71.9	26.37	71.1	25.28	71.1	24.54	69.7	21.97
		606.0	76.2	30.37	75.6	28.67	75.2	27.32	74.5	26.22	74.5	25.43	72.9	22.77
	0	161.6	100.6	34.90	98.3	33.41	96.3	32.32	94.5	30.95	93.6	30.10	90.1	26.90
		202.0	101.2	34.98	98.9	33.49	96.8	32.41	95.0	31.04	94.1	30.17	90.6	26.98
		404.0	103.5	35.31	101.3	33.82	99.1	32.79	97.2	31.42	96.4	30.51	92.7	27.31
		505.1	105.0	35.31	102.9	33.82	100.7	32.79	98.7	31.42	97.8	30.51	94.0	27.31
		606.0	105.9	35.31	103.8	33.82	101.4	32.79	99.4	31.42	98.6	30.51	94.7	27.31
	5	161.6	146.7	37.51	143.2	36.10	139.8	35.19	136.7	33.69	131.4	32.74	125.0	29.32
		202.0	147.2	37.67	143.4	36.28	139.9	35.36	136.7	33.87	131.4	32.91	125.0	29.48
		404.0	149.1	38.34	144.6	36.93	140.1	36.07	136.7	34.57	131.4	33.58	125.0	30.05
		505.1	150.0	38.58	144.9	37.19	140.1	36.31	136.7	34.81	131.4	33.82	125.0	30.26
		606.0	150.5	38.71	145.1	37.31	140.1	36.44	136.7	34.94	131.4	33.95	125.0	30.36
	10	161.6	147.2	33.64	143.7	32.49	139.7	31.78	136.5	30.72	131.2	29.70	124.9	26.70
		202.0	147.9	33.70	144.0	32.57	139.9	31.87	136.7	30.75	131.4	29.68	125.0	26.74
		404.0	150.0	33.95	145.5	32.96	140.7	32.24	137.6	30.92	132.3	29.60	125.6	26.86
		505.1	150.8	33.95	146.1	32.96	141.3	32.16	137.8	30.84	132.5	29.72	126.0	27.15
		606.0	151.3	33.95	146.4	32.96	141.6	32.12	138.0	30.80	132.7	29.78	126.2	27.30
	15	161.6	147.6	29.76	143.8	28.92	139.6	28.43	136.3	27.75	131.1	26.63	124.8	24.15
		202.0	148.2	29.72	144.3	28.92	140.1	28.43	136.7	27.65	131.4	26.45	125.0	24.04
		404.0	150.8	29.55	146.4	28.92	141.7	28.43	138.3	27.23	133.2	25.65	126.3	23.63
		505.1	151.6	29.35	147.2	28.68	142.4	28.06	138.8	26.86	133.5	25.65	127.0	24.04
		606.0	152.1	29.24	147.6	28.56	142.8	27.87	139.1	26.67	133.8	25.65	127.5	24.25
	20	161.6	150.4	25.69	146.4	25.07	141.6	24.45	137.7	24.04	132.8	23.36	125.8	21.84
		202.0	151.2	25.74	146.8	25.07	142.0	24.45	138.3	24.04	133.2	23.25	126.3	21.80
		404.0	154.4	25.95	148.8	25.07	143.7	24.45	140.4	24.04	134.8	22.84	128.2	21.63
		505.1	155.4	25.95	150.0	25.07	144.5	24.45	140.7	23.63	135.5	22.84	128.6	21.63
		606.0	155.8	25.95	150.6	25.07	144.9	24.45	141.0	23.42	135.9	22.84	128.7	21.63
	25	161.6	155.1	23.37	150.6	22.51	144.5	22.16	141.3	21.31	136.4	20.54	129.1	18.82
		202.0	155.4	23.34	150.6	22.43	144.5	22.04	141.3	21.22	136.4	20.43	129.1	18.82
		404.0	156.6	23.17	150.6	22.04	144.5	21.63	141.3	20.85	136.4	20.02	129.1	18.82
		505.1	157.5	23.17	150.6	22.13	144.5	21.22	141.3	20.85	136.4	19.65	129.1	18.44
		606.0	157.8	23.17	150.6	22.17	144.5	21.01	141.3	20.85	136.4	19.46	129.1	18.25
	30	161.6	157.5	21.31	150.6	20.54	144.5	19.75	141.3	19.34	136.4	18.13	129.1	16.93
		202.0	157.5	21.22	150.6	20.43	144.5	19.65	141.3	19.24	136.4	18.03	129.1	16.83
		404.0	157.5	20.85	150.6	20.02	144.5	19.24	141.3	18.82	136.4	17.62	129.1	16.42
		505.1	157.5	20.68	150.6	19.65	144.5	18.82	141.3	18.44	136.4	17.62	129.1	16.42
		606.0	157.5	20.60	150.6	19.46	144.5	18.60	141.3	18.25	136.4	17.62	129.1	16.42

7. Capacity tables

Heating Capacity (42 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	35	161.6	157.5	20.21	150.6	18.91	144.5	18.13	141.3	17.35	136.4	16.50	129.1	15.30
		202.0	157.5	20.02	150.6	18.82	144.5	18.03	141.3	17.24	136.4	16.42	129.1	15.21
		404.0	157.5	19.24	150.6	18.44	144.5	17.62	141.3	16.83	136.4	16.04	129.1	14.83
		505.1	157.5	18.73	150.6	18.03	144.5	17.24	141.3	16.83	136.4	16.04	129.1	14.83
		606.0	157.5	18.48	150.6	17.82	144.5	17.06	141.3	16.83	136.4	16.04	129.1	14.83
	40	161.6	157.5	19.01	150.6	18.23	144.5	17.03	141.3	16.15	136.4	15.30	129.1	14.10
		202.0	157.5	18.82	150.6	18.03	144.5	16.83	141.3	16.04	136.4	15.21	129.1	14.01
		404.0	157.5	18.03	150.6	17.24	144.5	16.04	141.3	15.63	136.4	14.83	129.1	13.63
		505.1	157.5	17.78	150.6	16.83	144.5	16.04	141.3	15.21	136.4	14.42	129.1	13.22
		606.0	157.5	17.65	150.6	16.62	144.5	16.04	141.3	15.00	136.4	14.21	129.1	13.01
	45	161.6	157.5	17.81	150.6	17.55	144.5	15.92	141.3	14.94	136.4	14.10	129.1	12.89
		202.0	157.5	17.62	150.6	17.24	144.5	15.63	141.3	14.83	136.4	14.01	129.1	12.81
		404.0	157.5	16.83	150.6	16.04	144.5	14.42	141.3	14.42	136.4	13.63	129.1	12.44
		505.1	157.5	16.83	150.6	15.63	144.5	14.83	141.3	13.63	136.4	12.81	129.1	11.60
		606.0	157.5	16.83	150.6	15.41	144.5	15.04	141.3	13.24	136.4	12.38	129.1	11.18
100	-5	161.6	53.1	25.51	52.8	24.04	52.5	22.07	52.1	21.13	51.6	20.19	50.6	18.37
		202.0	55.0	25.95	54.6	24.49	54.4	22.55	54.0	21.59	53.4	20.64	52.5	18.77
		404.0	62.4	27.69	61.9	26.32	61.5	24.45	60.9	23.42	60.4	22.43	59.4	20.39
		505.1	68.8	29.48	68.3	28.14	67.8	26.37	67.3	25.28	66.8	24.16	65.6	21.97
		606.0	72.0	30.37	71.5	29.07	71.2	27.32	70.5	26.22	70.1	25.04	68.7	22.77
	0	161.6	95.1	34.90	93.0	33.87	91.0	32.32	89.4	30.95	87.8	29.64	84.9	26.90
		202.0	95.6	34.98	93.5	33.95	91.5	32.41	89.9	31.04	88.4	29.72	85.2	26.98
		404.0	97.8	35.31	95.7	34.28	93.6	32.79	92.0	31.42	90.5	30.05	87.3	27.31
		505.1	99.3	35.31	97.2	34.28	95.1	32.79	93.4	31.42	91.8	30.05	88.6	27.31
		606.0	100.1	35.31	98.1	34.28	96.0	32.79	94.1	31.42	92.4	30.05	89.3	27.31
	5	161.6	140.3	37.51	135.6	36.60	132.1	35.19	129.6	33.69	123.3	32.24	117.6	29.32
		202.0	140.7	37.67	135.9	36.76	132.2	35.36	129.6	33.87	123.3	32.41	117.6	29.48
		404.0	142.8	38.34	136.9	37.43	132.3	36.07	129.6	34.57	123.3	33.08	117.6	30.05
		505.1	143.7	38.58	137.1	37.67	132.3	36.31	129.6	34.81	123.3	33.28	117.6	30.26
		606.0	144.0	38.71	137.4	37.80	132.3	36.44	129.6	34.94	123.3	33.39	117.6	30.36
	10	161.6	141.1	33.54	136.1	32.81	132.3	31.78	129.6	30.72	123.3	29.19	117.6	26.70
		202.0	141.3	33.70	136.3	32.91	132.3	31.87	129.6	30.75	123.3	29.23	117.6	26.74
		404.0	142.8	34.32	137.0	33.33	132.3	32.24	129.6	30.92	123.3	29.35	117.6	26.86
		505.1	143.8	34.19	137.6	33.33	132.3	32.16	129.6	30.84	123.3	29.26	117.6	26.74
		606.0	144.3	34.13	138.0	33.33	132.3	32.12	129.6	30.80	123.3	29.22	117.6	26.67
	15	161.6	141.8	29.58	136.6	29.07	132.3	28.43	129.6	27.75	123.3	26.12	117.6	24.15
		202.0	142.0	29.72	136.7	29.09	132.3	28.43	129.6	27.65	123.3	26.04	117.6	24.04
		404.0	142.8	30.30	137.1	29.18	132.3	28.43	129.6	27.23	123.3	25.65	117.6	23.63
		505.1	144.0	29.81	137.8	28.92	132.3	28.06	129.6	26.86	123.3	25.24	117.6	23.25
		606.0	144.6	29.55	138.2	28.80	132.3	27.87	129.6	26.67	123.3	25.03	117.6	23.07
	20	161.6	142.6	25.30	137.4	24.63	132.3	24.04	129.6	23.71	123.3	22.16	117.6	21.06
		202.0	143.2	25.40	137.5	24.66	132.3	24.04	129.6	23.63	123.3	22.04	117.6	20.85
		404.0	145.3	25.87	137.8	24.74	132.3	24.04	129.6	23.25	123.3	21.63	117.6	20.02
		505.1	146.1	25.40	139.1	24.54	132.3	23.63	129.6	22.84	123.3	21.22	117.6	19.65
		606.0	146.5	25.18	139.7	24.43	132.3	23.42	129.6	22.63	123.3	21.01	117.6	19.46
	25	161.6	144.3	22.10	139.6	21.42	132.3	20.54	129.6	19.75	123.3	18.54	117.6	16.83
		202.0	144.9	22.13	139.6	21.30	132.3	20.43	129.6	19.65	123.3	18.44	117.6	16.83
		404.0	147.0	22.21	139.6	20.85	132.3	20.02	129.6	19.24	123.3	18.03	117.6	16.83
		505.1	147.6	21.71	139.6	20.68	132.3	19.65	129.6	18.82	123.3	18.03	117.6	16.42
		606.0	148.1	21.47	139.6	20.60	132.3	19.46	129.6	18.60	123.3	18.03	117.6	16.21
	30	161.6	147.6	20.11	139.6	18.54	132.3	17.28	129.6	16.93	123.3	15.63	117.6	14.94
		202.0	147.6	20.02	139.6	18.44	132.3	17.24	129.6	16.83	123.3	15.63	117.6	14.83
		404.0	147.6	19.65	139.6	18.03	132.3	17.07	129.6	16.42	123.3	15.63	117.6	14.42
		505.1	147.6	19.24	139.6	18.03	132.3	16.83	129.6	16.42	123.3	15.21	117.6	14.42
		606.0	147.6	19.02	139.6	18.03	132.3	16.71	129.6	16.42	123.3	15.00	117.6	14.42
	35	161.6	147.6	18.66	139.6	17.03	132.3	15.24	129.6	14.94	123.3	14.10	117.6	12.89
		202.0	147.6	18.44	139.6	16.83	132.3	15.21	129.6	14.83	123.3	14.01	117.6	12.81
		404.0	147.6	17.62	139.6	16.04	132.3	15.04	129.6	14.42	123.3	13.63	117.6	12.44
		505.1	147.6	17.62	139.6	16.04	132.3	14.83	129.6	14.42	123.3	13.63	117.6	12.44
		606.0	147.6	17.62	139.6	16.04	132.3	14.73	129.6	14.42	123.3	13.63	117.6	12.44
	40	161.6	147.6	17.45	139.6	15.82	132.3	13.68	129.6	13.33	123.3	12.54	117.6	11.70
		202.0	147.6	17.24	139.6	15.63	132.3	13.63	129.6	13.22	123.3	12.44	117.6	11.60
		404.0	147.6	16.42	139.6	14.83	132.3	13.47	129.6	12.81	123.3	12.03	117.6	11.23
		505.1	147.6	16.04	139.6	14.83	132.3	13.22	129.6	12.81	123.3	12.03	117.6	11.23
		606.0	147.6	15.86	139.6	14.83	132.3	13.10	129.6	12.81	123.3	12.03	117.6	11.23
	45	161.6	147.6	16.25	139.6	14.62	132.3	12.07	129.6	11.70	123.3	10.92	117.6	10.50
		202.0	147.6	16.04	139.6	14.42	132.3	12.03	129.6	11.60	123.3	10.82	117.6	10.41
		404.0	147.6	15.21	139.6	13.63	132.3	11.85	129.6	11.23	123.3	10.41	117.6	10.03
		505.1	147.6	14.42	139.6	13.63	132.3	11.60	129.6	11.23	123.3	10.41	117.6	10.03
		606.0	147.6	14.03	139.6	13.63	132.3	11.48	129.6	11.23	123.3	10.41	117.6	10.03
90	-5	161.6	50.2	23.68	48.7	21.57	47.2	18.94	46.8	18.04	46.5	17.39	45.7	15.62
		202.0	51.9	24.08	50.4	21.97	48.9	19.36	48.5	18.44	48.1	17.78	47.3	15.96
		404.0	58.8	25.69	57.0	23.59	55.2	21.01	54.9	20.02	54.6	19.31	53.4	17.33
		505.1	65.0	27.31	62.9	25.24	61.0	22.68	60.5	21.59	60.3	20.81	59.1	18.69
		606.0	68.1	28.12	65.9	26.08	64.0	23.51	63.4	22.39	63.0	21.57	61.9	19.39
	0	161.6	89.8	32.24	85.7	30.26	81.7	27.78	80.4	26.49	79.2	25.51	76.2	22.90
		202.0	90.3	32.33	86.1	30.34	82.2	27.86	81.0	26.57	79.6	25.57	76.7	22.96
		404.0	92.4	32.67	88.2	30.67	84.2	28.14	82.8	26.86	81.5	25.87	78.6	23.22
		505.1	93.9	32.67	89.4	30.67	85.5	28.14	84.0	26.86	82.8	25.87	79.8	23.22
		606.0	94.5	32.67	90.2	30.67	86.2	28.14	84.6	26.86	83.5	25.87	80.4	23.22

7. Capacity tables

Heating Capacity (42 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	5	161.6	126.9	34.62	122.8	32.67	118.8	30.24	116.4	28.83	111.3	27.75	106.0	24.91
		202.0	127.0	34.78	122.7	32.84	118.8	30.39	116.4	28.97	111.3	27.89	106.0	25.03
		404.0	127.5	35.39	122.4	33.45	118.8	30.96	116.4	29.55	111.3	28.47	106.0	25.53
		505.1	128.2	35.60	122.7	33.66	118.8	31.21	116.4	29.76	111.3	28.68	106.0	25.74
		606.0	128.6	35.71	122.9	33.76	118.8	31.33	116.4	29.87	111.3	28.78	106.0	25.85
	10	161.6	127.5	30.57	123.3	29.07	118.8	27.36	116.4	26.25	111.3	25.18	106.0	22.69
		202.0	127.5	30.59	123.0	29.09	118.8	27.40	116.4	26.28	111.3	25.16	106.0	22.72
		404.0	127.2	30.67	122.4	29.23	118.8	27.52	116.4	26.40	111.3	25.07	106.0	22.80
		505.1	128.1	30.59	122.8	29.13	118.8	27.44	116.4	26.32	111.3	25.16	106.0	22.89
		606.0	128.5	30.55	123.0	29.09	118.8	27.40	116.4	26.28	111.3	25.19	106.0	22.92
	15	161.6	128.2	26.46	123.7	25.51	118.8	24.56	116.4	23.71	111.3	22.62	106.0	20.54
		202.0	128.0	26.37	123.4	25.40	118.8	24.45	116.4	23.63	111.3	22.43	106.0	20.43
		404.0	127.1	25.95	122.6	24.99	118.8	24.04	116.4	23.25	111.3	21.63	106.0	20.02
		505.1	128.0	25.57	122.9	24.62	118.8	23.63	116.4	22.84	111.3	21.63	106.0	20.02
		606.0	128.5	25.39	123.1	24.43	118.8	23.42	116.4	22.63	111.3	21.63	106.0	20.02
	20	161.6	129.0	22.34	124.2	21.69	118.8	20.95	116.4	20.11	111.3	19.42	106.0	18.23
		202.0	128.9	22.34	123.9	21.63	118.8	20.85	116.4	20.02	111.3	19.24	106.0	18.03
		404.0	128.3	22.34	122.9	21.39	118.8	20.43	116.4	19.65	111.3	18.44	106.0	17.24
		505.1	128.7	21.97	123.3	21.22	118.8	20.43	116.4	19.65	111.3	18.44	106.0	17.24
		606.0	129.0	21.78	123.5	21.13	118.8	20.43	116.4	19.65	111.3	18.44	106.0	17.24
	25	161.6	131.1	19.52	125.8	18.48	118.8	17.71	116.4	16.83	111.3	16.15	106.0	14.94
		202.0	131.4	19.48	125.8	18.44	118.8	17.62	116.4	16.83	111.3	16.04	106.0	14.83
		404.0	132.7	19.31	125.8	18.27	118.8	17.24	116.4	16.83	111.3	15.63	106.0	14.42
		505.1	133.2	18.82	125.8	17.86	118.8	17.24	116.4	16.42	111.3	15.63	106.0	14.42
		606.0	133.4	18.56	125.8	17.65	118.8	17.24	116.4	16.21	111.3	15.63	106.0	14.42
	30	161.6	133.2	17.71	125.8	16.50	118.8	15.30	116.4	14.94	111.3	14.10	106.0	12.81
		202.0	133.2	17.62	125.8	16.42	118.8	15.21	116.4	14.83	111.3	14.01	106.0	12.81
		404.0	133.2	17.24	125.8	16.04	118.8	14.83	116.4	14.42	111.3	13.63	106.0	12.81
		505.1	133.2	16.83	125.8	15.63	118.8	14.83	116.4	14.42	111.3	13.63	106.0	12.44
		606.0	133.2	16.62	125.8	15.41	118.8	14.83	116.4	14.42	111.3	13.63	106.0	12.24
	35	161.6	133.2	16.15	125.8	14.94	118.8	13.74	116.4	13.33	111.3	12.54	106.0	11.70
		202.0	133.2	16.04	125.8	14.83	118.8	13.63	116.4	13.22	111.3	12.44	106.0	11.60
		404.0	133.2	15.63	125.8	14.42	118.8	13.22	116.4	12.81	111.3	12.03	106.0	11.23
		505.1	133.2	15.21	125.8	14.01	118.8	12.81	116.4	12.44	111.3	12.03	106.0	11.23
		606.0	133.2	15.00	125.8	13.80	118.8	12.60	116.4	12.24	111.3	12.03	106.0	11.23
	40	161.6	133.2	15.04	125.8	13.74	118.8	12.13	116.4	11.70	111.3	11.33	106.0	10.50
		202.0	133.2	14.83	125.8	13.63	118.8	12.03	116.4	11.60	111.3	11.23	106.0	10.41
		404.0	133.2	14.01	125.8	13.22	118.8	11.60	116.4	11.23	111.3	10.82	106.0	10.03
		505.1	133.2	14.01	125.8	13.22	118.8	11.60	116.4	11.23	111.3	10.82	106.0	10.03
		606.0	133.2	14.01	125.8	13.22	118.8	11.60	116.4	11.23	111.3	10.82	106.0	10.03
	45	161.6	133.2	13.95	125.8	12.54	118.8	10.50	116.4	10.13	111.3	10.13	106.0	9.29
		202.0	133.2	13.63	125.8	12.44	118.8	10.41	116.4	10.03	111.3	10.03	106.0	9.21
		404.0	133.2	12.44	125.8	12.03	118.8	10.03	116.4	9.62	111.3	9.62	106.0	8.83
		505.1	133.2	12.81	125.8	12.44	118.8	10.41	116.4	10.03	111.3	9.62	106.0	8.83
		606.0	133.2	13.00	125.8	12.65	118.8	10.59	116.4	10.24	111.3	9.62	106.0	8.83
80	-5	161.6	47.4	16.87	44.5	16.22	42.1	15.53	41.6	15.01	41.4	14.32	40.5	13.18
		202.0	49.2	17.24	46.0	16.58	43.5	15.88	43.1	15.33	42.9	14.63	42.0	13.47
		404.0	55.5	18.73	52.1	17.98	49.2	17.21	48.7	16.62	48.5	15.88	47.4	14.59
		505.1	61.4	20.19	57.5	19.40	54.4	18.56	53.7	17.95	53.5	17.12	52.5	15.75
		606.0	64.5	20.91	60.3	20.10	57.0	19.25	56.3	18.62	56.1	17.74	54.9	16.33
	0	161.6	84.8	24.75	78.2	23.75	72.9	22.78	71.4	21.98	70.4	20.95	67.8	19.30
		202.0	85.2	24.83	78.6	23.83	73.2	22.84	71.9	22.04	70.9	21.01	68.2	19.36
		404.0	87.3	25.12	80.4	24.12	75.0	23.09	73.5	22.30	72.6	21.26	69.8	19.57
		505.1	88.6	25.12	81.7	24.12	76.2	23.09	74.7	22.30	73.7	21.26	70.9	19.57
		606.0	89.2	25.12	82.3	24.12	76.8	23.09	75.2	22.30	74.3	21.26	71.4	19.57
	5	161.6	117.2	26.92	110.7	25.90	105.9	24.74	103.5	23.92	99.1	22.80	94.1	20.99
		202.0	117.6	27.07	110.9	26.04	105.9	24.86	103.5	24.04	99.1	22.92	94.1	21.10
		404.0	118.5	27.65	111.7	26.53	106.0	25.40	103.5	24.54	99.1	23.37	94.1	21.55
		505.1	118.5	27.81	111.7	26.74	106.0	25.57	103.5	24.71	99.1	23.54	94.1	21.68
		606.0	118.5	27.89	111.5	26.84	106.0	25.66	103.5	24.78	99.1	23.63	94.1	21.74
	10	161.6	117.9	24.78	111.1	23.65	105.9	22.45	103.5	21.83	99.1	20.68	94.1	19.13
		202.0	118.0	24.74	111.3	23.63	105.9	22.46	103.5	21.84	99.1	20.68	94.1	19.16
		404.0	118.5	24.62	111.7	23.51	106.0	22.51	103.5	21.88	99.1	20.72	94.1	19.19
		505.1	118.5	24.54	111.7	23.59	106.0	22.60	103.5	21.76	99.1	20.60	94.1	19.07
		606.0	118.5	24.49	111.5	23.63	106.0	22.63	103.5	21.69	99.1	20.54	94.1	19.01
	15	161.6	118.5	22.62	111.7	21.42	106.0	20.11	103.5	19.75	99.1	18.54	94.1	17.35
		202.0	118.5	22.43	111.7	21.22	106.0	20.02	103.5	19.65	99.1	18.44	94.1	17.24
		404.0	118.5	21.63	111.7	20.43	106.0	19.65	103.5	19.24	99.1	18.03	94.1	16.83
		505.1	118.5	21.22	111.7	20.43	106.0	19.65	103.5	18.82	99.1	17.62	94.1	16.42
		606.0	118.5	21.01	111.7	20.43	106.0	19.65	103.5	18.60	99.1	17.41	94.1	16.21
	20	161.6	118.5	18.91	111.7	18.13	106.0	17.24	103.5	16.93	99.1	16.15	94.1	14.94
		202.0	118.5	18.82	111.7	18.03	106.0	17.24	103.5	16.83	99.1	16.04	94.1	14.83
		404.0	118.5	18.44	111.7	17.62	106.0	17.24	103.5	16.42	99.1	15.63	94.1	14.42
		505.1	118.5	18.03	111.7	17.24	106.0	16.83	103.5	16.42	99.1	15.21	94.1	14.42
		606.0	118.5	17.82	111.7	17.06	106.0	16.62	103.5	16.42	99.1	15.00	94.1	14.42
	25	161.6	118.5	16.93	111.7	15.74	106.0	14.83	103.5	14.53	99.1	13.74	94.1	12.89
		202.0	118.5	16.83	111.7	15.63	106.0	14.83	103.5	14.42	99.1	13.63	94.1	12.81
		404.0	118.5	16.42	111.7	15.21	106.0	14.83	103.5	14.01	99.1	13.22	94.1	12.44
		505.1	118.5	16.04	111.7	15.21	106.0	14.42	103.5	14.01	99.1	13.22	94.1	12.44
		606.0	118.5	15.86	111.7	15.21	106.0	14.21	103.5	14.01	99.1	13.22	94.1	12.44

7. Capacity tables

Heating Capacity (42 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	30	161.6	118.5	14.94	111.7	14.10	106.0	13.33	103.5	12.89	99.1	12.13	94.1	11.33
		202.0	118.5	14.83	111.7	14.01	106.0	13.22	103.5	12.81	99.1	12.03	94.1	11.23
		404.0	118.5	14.42	111.7	13.63	106.0	12.81	103.5	12.44	99.1	11.60	94.1	10.82
		505.1	118.5	14.42	111.7	13.63	106.0	12.81	103.5	12.44	99.1	11.60	94.1	10.82
		606.0	118.5	14.42	111.7	13.63	106.0	12.81	103.5	12.44	99.1	11.60	94.1	10.82
	35	161.6	118.5	13.74	111.7	12.89	106.0	11.70	103.5	11.23	99.1	10.92	94.1	10.03
		202.0	118.5	13.63	111.7	12.81	106.0	11.60	103.5	11.23	99.1	10.82	94.1	10.03
		404.0	118.5	13.22	111.7	12.44	106.0	11.23	103.5	11.23	99.1	10.41	94.1	10.03
		505.1	118.5	13.22	111.7	12.03	106.0	11.23	103.5	10.82	99.1	10.41	94.1	9.62
		606.0	118.5	13.22	111.7	11.80	106.0	11.23	103.5	10.61	99.1	10.41	94.1	9.41
	40	161.6	118.5	13.00	111.7	11.70	106.0	10.41	103.5	10.50	99.1	9.62	94.1	9.29
		202.0	118.5	12.81	111.7	11.60	106.0	10.41	103.5	10.41	99.1	9.62	94.1	9.21
		404.0	118.5	12.03	111.7	11.23	106.0	10.41	103.5	10.03	99.1	9.62	94.1	8.83
		505.1	118.5	12.03	111.7	11.23	106.0	10.03	103.5	10.03	99.1	9.62	94.1	8.83
		606.0	118.5	12.03	111.7	11.23	106.0	9.84	103.5	10.03	99.1	9.62	94.1	8.83
	45	161.6	118.5	12.32	111.7	10.50	106.0	9.10	103.5	9.81	99.1	8.30	94.1	8.61
		202.0	118.5	12.03	111.7	10.41	106.0	9.21	103.5	9.62	99.1	8.41	94.1	8.41
		404.0	118.5	10.82	111.7	10.03	106.0	9.62	103.5	8.83	99.1	8.83	94.1	7.62
		505.1	118.5	10.82	111.7	10.41	106.0	8.83	103.5	9.21	99.1	8.83	94.1	8.00
		606.0	118.5	10.82	111.7	10.59	106.0	8.43	103.5	9.39	99.1	8.83	94.1	8.18
70	-5	161.6	41.4	14.48	38.9	13.79	36.8	13.34	36.3	12.58	36.2	12.13	35.6	11.04
		202.0	42.9	14.80	40.3	14.09	38.0	13.63	37.7	12.85	37.4	12.40	36.8	11.27
		404.0	48.5	16.04	45.6	15.29	43.0	14.80	42.6	13.92	42.4	13.43	41.6	12.24
		505.1	53.7	17.33	50.4	16.50	47.4	15.96	47.1	15.00	46.8	14.50	45.9	13.18
		606.0	56.3	17.97	52.7	17.10	49.8	16.54	49.4	15.55	48.9	15.05	48.1	13.66
	0	161.6	74.1	21.19	68.5	20.21	63.6	19.54	62.5	18.39	61.5	17.77	59.4	16.16
		202.0	74.6	21.26	68.9	20.27	64.0	19.61	62.9	18.44	61.9	17.82	59.7	16.21
		404.0	76.2	21.51	70.5	20.48	65.5	19.86	64.5	18.65	63.4	18.03	61.0	16.37
		505.1	77.4	21.51	71.6	20.48	66.5	19.86	65.3	18.65	64.5	18.03	62.0	16.37
		606.0	78.0	21.51	72.2	20.48	67.0	19.86	65.8	18.65	64.9	18.03	62.5	16.37
	5	161.6	102.4	23.10	97.0	21.98	92.4	21.28	90.5	20.04	86.4	19.34	82.3	17.57
		202.0	102.7	23.22	97.2	22.09	92.4	21.39	90.5	20.15	86.4	19.45	82.3	17.65
		404.0	103.5	23.66	98.0	22.55	92.5	21.84	90.5	20.51	86.4	19.86	82.3	18.03
		505.1	103.5	23.83	97.8	22.72	92.5	22.01	90.5	20.68	86.4	19.98	82.3	18.15
		606.0	103.5	23.92	97.8	22.80	92.5	22.09	90.5	20.77	86.4	20.04	82.3	18.21
	10	161.6	102.9	21.26	97.4	20.10	92.5	19.36	90.5	18.27	86.4	17.53	82.3	16.04
		202.0	103.0	21.22	97.5	20.06	92.5	19.31	90.5	18.27	86.4	17.53	82.3	16.04
		404.0	103.5	21.06	97.8	19.90	92.5	19.16	90.5	18.27	86.4	17.53	82.3	16.04
		505.1	103.5	21.13	97.8	19.98	92.5	19.24	90.5	18.36	86.4	17.41	82.3	16.09
		606.0	103.5	21.18	97.8	20.02	92.5	19.28	90.5	18.40	86.4	17.34	82.3	16.10
	15	161.6	103.5	19.42	97.8	18.23	92.5	17.45	90.5	16.50	86.4	15.74	82.3	14.53
		202.0	103.5	19.24	97.8	18.03	92.5	17.24	90.5	16.42	86.4	15.63	82.3	14.42
		404.0	103.5	18.44	97.8	17.24	92.5	16.42	90.5	16.04	86.4	15.21	82.3	14.01
		505.1	103.5	18.44	97.8	17.24	92.5	16.42	90.5	16.04	86.4	14.83	82.3	14.01
		606.0	103.5	18.44	97.8	17.24	92.5	16.42	90.5	16.04	86.4	14.65	82.3	14.01
	20	161.6	103.5	16.15	97.8	15.30	92.5	14.94	90.5	14.53	86.4	13.74	82.3	12.89
		202.0	103.5	16.04	97.8	15.21	92.5	14.83	90.5	14.42	86.4	13.63	82.3	12.81
		404.0	103.5	15.63	97.8	14.83	92.5	14.42	90.5	14.01	86.4	13.22	82.3	12.44
		505.1	103.5	15.63	97.8	14.83	92.5	14.42	90.5	13.63	86.4	13.22	82.3	12.03
		606.0	103.5	15.63	97.8	14.83	92.5	14.42	90.5	13.45	86.4	13.22	82.3	11.80
	25	161.6	103.5	14.53	97.8	13.74	92.5	12.89	90.5	12.54	86.4	11.60	82.3	10.82
		202.0	103.5	14.42	97.8	13.63	92.5	12.81	90.5	12.44	86.4	11.60	82.3	10.82
		404.0	103.5	14.01	97.8	13.22	92.5	12.44	90.5	12.03	86.4	11.60	82.3	10.82
		505.1	103.5	13.63	97.8	12.81	92.5	12.44	90.5	12.03	86.4	11.23	82.3	10.82
		606.0	103.5	13.45	97.8	12.60	92.5	12.44	90.5	12.03	86.4	11.04	82.3	10.82
	30	161.6	103.5	12.89	97.8	12.13	92.5	11.33	90.5	10.82	86.4	10.50	82.3	9.62
		202.0	103.5	12.81	97.8	12.03	92.5	11.23	90.5	10.82	86.4	10.41	82.3	9.62
		404.0	103.5	12.44	97.8	11.60	92.5	10.82	90.5	10.82	86.4	10.03	82.3	9.62
		505.1	103.5	12.44	97.8	11.60	92.5	10.82	90.5	10.41	86.4	10.03	82.3	9.62
		606.0	103.5	12.44	97.8	11.60	92.5	10.82	90.5	10.19	86.4	10.03	82.3	9.62
	35	161.6	103.5	11.70	97.8	10.92	92.5	10.03	90.5	10.13	86.4	9.21	82.3	8.94
		202.0	103.5	11.60	97.8	10.82	92.5	10.03	90.5	10.03	86.4	9.21	82.3	8.83
		404.0	103.5	11.23	97.8	10.41	92.5	10.03	90.5	9.62	86.4	9.21	82.3	8.41
		505.1	103.5	11.23	97.8	10.41	92.5	9.62	90.5	9.62	86.4	9.21	82.3	8.41
		606.0	103.5	11.23	97.8	10.41	92.5	9.41	90.5	9.62	86.4	9.21	82.3	8.41
	40	161.6	103.5	10.92	97.8	10.13	92.5	9.29	90.5	8.83	86.4	8.41	82.3	8.09
		202.0	103.5	10.82	97.8	10.03	92.5	9.21	90.5	8.83	86.4	8.41	82.3	8.00
		404.0	103.5	10.41	97.8	9.62	92.5	8.83	90.5	8.83	86.4	8.41	82.3	7.62
		505.1	103.5	10.41	97.8	9.62	92.5	8.83	90.5	8.41	86.4	8.00	82.3	7.62
		606.0	103.5	10.41	97.8	9.62	92.5	8.83	90.5	8.20	86.4	7.79	82.3	7.62
	45	161.6	103.5	10.13	97.8	9.29	92.5	8.61	90.5	7.54	86.4	7.62	82.3	7.32
		202.0	103.5	10.03	97.8	9.21	92.5	8.41	90.5	7.62	86.4	7.62	82.3	7.21
		404.0	103.5	9.62	97.8	8.83	92.5	7.62	90.5	8.00	86.4	7.62	82.3	6.80
		505.1	103.5	9.62	97.8	8.83	92.5	8.00	90.5	7.21	86.4	6.80	82.3	6.80
		606.0	103.5	9.62	97.8	8.83	92.5	8.18	90.5	6.82	86.4	6.38	82.3	6.80
60	-5	161.6	35.6	11.76	33.3	11.31	31.5	10.87	31.1	10.09	31.0	9.94	30.4	8.88
		202.0	36.8	12.03	34.5	11.56	32.6	11.11	32.2	10.32	32.1	10.15	31.5	9.08
		404.0	41.7	13.06	39.0	12.56	36.9	12.07	36.6	11.19	36.3	11.03	35.7	9.86
		505.1	46.0	14.05	43.1	13.56	40.9	13.01	40.4	12.10	40.3	11.89	39.4	10.61
		606.0	48.3	14.55	45.1	14.06	42.9	13.50	42.3	12.56	42.2	12.33	41.2	10.98

7. Capacity tables

Heating Capacity (42 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	161.6	63.6	17.23	58.6	16.62	54.6	15.91	53.6	14.80	52.9	14.59	50.9	13.03
		202.0	64.0	17.28	59.0	16.66	55.0	15.96	54.0	14.83	53.1	14.63	51.3	13.06
		404.0	65.5	17.49	60.3	16.83	56.3	16.16	55.2	15.00	54.4	14.80	52.3	13.18
		505.1	66.5	17.49	61.3	16.83	57.3	16.16	56.1	15.00	55.2	14.80	53.1	13.18
		606.0	67.0	17.49	61.8	16.83	57.7	16.16	56.4	15.00	55.7	14.80	53.6	13.18
	5	161.6	87.9	18.77	82.9	18.07	79.5	17.30	77.5	16.13	74.1	15.87	70.6	14.15
		202.0	88.2	18.85	83.1	18.15	79.5	17.41	77.5	16.21	74.1	15.96	70.6	14.21
		404.0	88.8	19.24	83.7	18.53	79.5	17.78	77.5	16.54	74.1	16.30	70.6	14.50
		505.1	88.8	19.40	83.6	18.65	79.5	17.91	77.5	16.66	74.1	16.37	70.6	14.63
		606.0	88.8	19.48	83.5	18.71	79.5	17.97	77.5	16.72	74.1	16.42	70.6	14.69
	10	161.6	88.4	17.24	83.2	16.50	79.5	15.71	77.5	14.67	74.1	14.39	70.6	12.89
		202.0	88.5	17.24	83.4	16.50	79.5	15.71	77.5	14.71	74.1	14.38	70.6	12.93
		404.0	88.8	17.24	83.7	16.50	79.5	15.71	77.5	14.88	74.1	14.34	70.6	13.06
		505.1	88.8	17.28	83.6	16.33	79.5	15.55	77.5	14.71	74.1	14.21	70.6	12.93
		606.0	88.8	17.30	83.5	16.25	79.5	15.45	77.5	14.63	74.1	14.15	70.6	12.87
	15	161.6	88.8	15.74	83.6	14.94	79.5	14.10	77.5	13.22	74.1	12.89	70.6	11.60
		202.0	88.8	15.63	83.6	14.83	79.5	14.01	77.5	13.22	74.1	12.81	70.6	11.60
		404.0	88.8	15.21	83.6	14.42	79.5	13.63	77.5	13.22	74.1	12.44	70.6	11.60
		505.1	88.8	15.21	83.6	14.01	79.5	13.22	77.5	12.81	74.1	12.03	70.6	11.23
		606.0	88.8	15.21	83.6	13.80	79.5	13.01	77.5	12.60	74.1	11.80	70.6	11.04
	20	161.6	88.8	13.74	83.6	12.89	79.5	12.13	77.5	11.70	74.1	11.33	70.6	10.50
		202.0	88.8	13.63	83.6	12.81	79.5	12.03	77.5	11.60	74.1	11.23	70.6	10.41
		404.0	88.8	13.22	83.6	12.44	79.5	11.60	77.5	11.23	74.1	10.82	70.6	10.03
		505.1	88.8	13.22	83.6	12.44	79.5	11.60	77.5	11.23	74.1	10.82	70.6	10.03
		606.0	88.8	13.22	83.6	12.44	79.5	11.60	77.5	11.23	74.1	10.82	70.6	10.03
	25	161.6	88.8	12.13	83.6	11.33	79.5	10.41	77.5	10.50	74.1	9.62	70.6	9.29
		202.0	88.8	12.03	83.6	11.23	79.5	10.41	77.5	10.41	74.1	9.62	70.6	9.21
		404.0	88.8	11.60	83.6	10.82	79.5	10.41	77.5	10.03	74.1	9.62	70.6	8.83
		505.1	88.8	11.60	83.6	10.82	79.5	10.03	77.5	10.03	74.1	9.62	70.6	8.83
		606.0	88.8	11.60	83.6	10.82	79.5	9.84	77.5	10.03	74.1	9.62	70.6	8.83
	30	161.6	88.8	10.92	83.6	10.13	79.5	9.72	77.5	9.29	74.1	8.94	70.6	8.53
		202.0	88.8	10.82	83.6	10.03	79.5	9.62	77.5	9.21	74.1	8.83	70.6	8.41
		404.0	88.8	10.41	83.6	9.62	79.5	9.21	77.5	8.83	74.1	8.41	70.6	8.00
		505.1	88.8	10.41	83.6	9.62	79.5	9.21	77.5	8.83	74.1	8.41	70.6	8.00
		606.0	88.8	10.41	83.6	9.62	79.5	9.21	77.5	8.83	74.1	8.41	70.6	8.00
	35	161.6	88.8	9.62	83.6	9.29	79.5	8.41	77.5	8.53	74.1	8.09	70.6	7.73
		202.0	88.8	9.62	83.6	9.21	79.5	8.41	77.5	8.41	74.1	8.00	70.6	7.62
		404.0	88.8	9.62	83.6	8.83	79.5	8.41	77.5	8.00	74.1	7.62	70.6	7.21
		505.1	88.8	9.62	83.6	8.83	79.5	8.00	77.5	8.00	74.1	7.62	70.6	7.21
		606.0	88.8	9.62	83.6	8.83	79.5	7.79	77.5	8.00	74.1	7.62	70.6	7.21
	40	161.6	88.8	8.83	83.6	8.53	79.5	7.62	77.5	7.73	74.1	7.32	70.6	6.80
		202.0	88.8	8.83	83.6	8.41	79.5	7.62	77.5	7.62	74.1	7.21	70.6	6.80
		404.0	88.8	8.83	83.6	8.00	79.5	7.62	77.5	7.21	74.1	6.80	70.6	6.80
		505.1	88.8	8.83	83.6	8.00	79.5	7.62	77.5	7.21	74.1	6.80	70.6	6.80
		606.0	88.8	8.83	83.6	8.00	79.5	7.62	77.5	7.21	74.1	6.80	70.6	6.80
	45	161.6	88.8	8.00	83.6	7.73	79.5	6.80	77.5	6.89	74.1	6.53	70.6	5.91
		202.0	88.8	8.00	83.6	7.62	79.5	6.80	77.5	6.80	74.1	6.42	70.6	6.01
		404.0	88.8	8.00	83.6	7.21	79.5	6.80	77.5	6.42	74.1	6.01	70.6	6.42
		505.1	88.8	8.00	83.6	7.21	79.5	7.21	77.5	6.42	74.1	6.01	70.6	6.42
		606.0	88.8	8.00	83.6	7.21	79.5	7.42	77.5	6.42	74.1	6.01	70.6	6.42
50	-5	161.6	29.6	9.38	27.9	8.88	26.3	8.41	25.8	7.95	25.8	7.45	25.3	7.06
		202.0	30.6	9.57	28.8	9.08	27.3	8.58	26.8	8.12	26.7	7.62	26.2	7.21
		404.0	34.6	10.36	32.5	9.86	30.9	9.29	30.4	8.83	30.3	8.29	29.6	7.79
		505.1	38.3	11.19	35.9	10.61	34.0	10.03	33.6	9.54	33.4	8.92	32.9	8.41
		606.0	40.1	11.62	37.7	10.98	35.6	10.41	35.2	9.89	34.8	9.23	34.5	8.73
	0	161.6	52.9	13.73	48.9	13.03	45.6	12.27	44.5	11.64	43.9	10.95	42.4	10.32
		202.0	53.1	13.76	49.2	13.06	45.8	12.31	44.7	11.68	44.1	10.98	42.6	10.36
		404.0	54.4	13.89	50.4	13.18	46.8	12.48	45.9	11.85	45.3	11.11	43.5	10.48
		505.1	55.2	13.89	51.0	13.18	47.4	12.48	46.6	11.85	45.9	11.11	44.3	10.48
		606.0	55.7	13.89	51.4	13.18	47.8	12.48	47.1	11.85	46.2	11.11	44.7	10.48
	5	161.6	73.1	14.93	69.3	14.15	66.1	13.35	64.5	12.71	61.7	11.92	58.8	11.21
		202.0	73.2	15.00	69.4	14.21	66.1	13.43	64.5	12.77	61.7	11.97	58.8	11.27
		404.0	73.9	15.29	69.9	14.50	66.2	13.72	64.5	13.01	61.7	12.19	58.8	11.52
		505.1	73.9	15.41	69.8	14.63	66.2	13.80	64.5	13.10	61.7	12.31	58.8	11.60
		606.0	73.9	15.48	69.7	14.69	66.2	13.84	64.5	13.15	61.7	12.37	58.8	11.64
	10	161.6	73.5	13.74	69.4	12.94	66.1	12.17	64.5	11.62	61.7	10.75	58.8	10.26
		202.0	73.5	13.72	69.5	12.93	66.1	12.15	64.5	11.60	61.7	10.77	58.8	10.24
		404.0	73.9	13.63	69.9	12.89	66.2	12.07	64.5	11.52	61.7	10.89	58.8	10.15
		505.1	73.9	13.72	69.8	12.93	66.2	12.10	64.5	11.56	61.7	10.74	58.8	10.20
		606.0	73.9	13.76	69.7	12.95	66.2	12.13	64.5	11.58	61.7	10.65	58.8	10.22
	15	161.6	73.9	12.54	69.8	11.70	66.2	10.92	64.5	10.50	61.7	9.62	58.8	9.29
		202.0	73.9	12.44	69.8	11.60	66.2	10.82	64.5	10.41	61.7	9.62	58.8	9.21
		404.0	73.9	12.03	69.8	11.23	66.2	10.41	64.5	10.03	61.7	9.62	58.8	8.83
		505.1	73.9	12.03	69.8	11.23	66.2	10.41	64.5	10.03	61.7	9.21	58.8	8.83
		606.0	73.9	12.03	69.8	11.23	66.2	10.41	64.5	10.03	61.7	9.00	58.8	8.83
	20	161.6	73.9	10.92	69.8	10.13	66.2	9.72	64.5	9.29	61.7	8.94	58.8	8.00
		202.0	73.9	10.82	69.8	10.03	66.2	9.62	64.5	9.21	61.7	8.83	58.8	8.00
		404.0	73.9	10.41	69.8	9.62	66.2	9.21	64.5	8.83	61.7	8.41	58.8	8.00
		505.1	73.9	10.41	69.8	9.62	66.2	9.21	64.5	8.83	61.7	8.41	58.8	8.00
		606.0	73.9	10.41	69.8	9.62	66.2	9.21	64.5	8.83	61.7	8.41	58.8	8.00

7. Capacity tables

Heating Capacity (42 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	25	161.6	73.9	9.72	69.8	8.83	66.2	8.53	64.5	8.00	61.7	7.62	58.8	7.21
		202.0	73.9	9.62	69.8	8.83	66.2	8.41	64.5	8.00	61.7	7.62	58.8	7.21
		404.0	73.9	9.21	69.8	8.83	66.2	8.00	64.5	8.00	61.7	7.62	58.8	7.21
		505.1	73.9	9.21	69.8	8.83	66.2	8.00	64.5	8.00	61.7	7.62	58.8	7.21
		606.0	73.9	9.21	69.8	8.83	66.2	8.00	64.5	8.00	61.7	7.62	58.8	7.21
	30	161.6	73.9	8.94	69.8	8.09	66.2	7.73	64.5	7.21	61.7	7.32	58.8	6.89
		202.0	73.9	8.83	69.8	8.00	66.2	7.62	64.5	7.21	61.7	7.21	58.8	6.80
		404.0	73.9	8.41	69.8	7.62	66.2	7.21	64.5	7.21	61.7	6.80	58.8	6.42
		505.1	73.9	8.41	69.8	7.62	66.2	7.21	64.5	7.21	61.7	6.80	58.8	6.42
		606.0	73.9	8.41	69.8	7.62	66.2	7.21	64.5	7.21	61.7	6.80	58.8	6.42
	35	161.6	73.9	8.09	69.8	7.21	66.2	6.80	64.5	6.89	61.7	6.42	58.8	6.01
		202.0	73.9	8.00	69.8	7.21	66.2	6.80	64.5	6.80	61.7	6.42	58.8	6.01
		404.0	73.9	7.62	69.8	7.21	66.2	6.80	64.5	6.42	61.7	6.42	58.8	6.01
		505.1	73.9	7.62	69.8	7.21	66.2	6.80	64.5	6.42	61.7	6.42	58.8	6.01
		606.0	73.9	7.62	69.8	7.21	66.2	6.80	64.5	6.42	61.7	6.42	58.8	6.01
	40	161.6	73.9	7.32	69.8	6.89	66.2	6.53	64.5	6.01	61.7	6.12	58.8	5.60
		202.0	73.9	7.21	69.8	6.80	66.2	6.42	64.5	6.01	61.7	6.01	58.8	5.60
		404.0	73.9	6.80	69.8	6.42	66.2	6.01	64.5	6.01	61.7	5.60	58.8	5.60
		505.1	73.9	6.80	69.8	6.42	66.2	6.01	64.5	6.01	61.7	5.60	58.8	5.60
		606.0	73.9	6.80	69.8	6.42	66.2	6.01	64.5	6.01	61.7	5.60	58.8	5.60
	45	161.6	73.9	6.53	69.8	6.63	66.2	6.20	64.5	5.13	61.7	5.79	58.8	5.22
		202.0	73.9	6.42	69.8	6.42	66.2	6.01	64.5	5.22	61.7	5.60	58.8	5.22
		404.0	73.9	6.01	69.8	5.60	66.2	5.22	64.5	5.60	61.7	4.80	58.8	5.22
		505.1	73.9	6.01	69.8	5.60	66.2	5.22	64.5	5.60	61.7	4.80	58.8	5.22
		606.0	73.9	6.01	69.8	5.60	66.2	5.22	64.5	5.60	61.7	4.80	58.8	5.22

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB440LSA4

Heating Capacity (44 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	169.2	65.6	26.37	65.1	24.84	64.7	23.11	63.8	22.44	64.6	21.84	62.8	19.58
		211.5	67.8	26.83	67.3	25.31	66.9	23.62	66.0	22.92	66.9	22.31	65.0	20.01
		423.0	76.7	28.66	76.1	27.22	75.7	25.61	74.7	24.88	75.5	24.19	73.6	21.70
		528.8	84.9	30.47	84.0	29.09	83.6	27.62	82.6	26.87	83.6	26.09	81.4	23.40
		634.5	88.9	31.40	88.0	30.03	87.5	28.62	86.5	27.88	87.6	27.06	85.3	24.25
	0	169.2	117.1	36.06	114.4	34.99	112.0	33.85	109.6	32.90	110.0	32.00	105.0	28.66
		211.5	117.9	36.16	115.1	35.08	112.7	33.95	110.3	33.00	110.6	32.08	105.6	28.74
		423.0	120.7	36.55	117.8	35.42	115.3	34.34	112.8	33.38	113.2	32.43	108.2	29.09
		528.8	122.5	36.55	119.5	35.42	117.0	34.34	114.4	33.38	114.9	32.43	109.7	29.09
		634.5	123.4	36.55	120.4	35.42	117.9	34.34	115.3	33.38	115.7	32.43	110.5	29.09
	5	169.2	168.7	38.77	166.2	37.81	162.7	36.85	158.6	35.80	154.3	34.82	145.8	31.18
		211.5	169.3	38.95	166.5	38.00	162.8	37.03	158.6	35.99	154.3	34.99	145.8	31.35
		423.0	171.6	39.64	167.6	38.68	162.8	37.78	158.6	36.73	154.3	35.69	145.8	32.00
		528.8	172.6	39.90	168.1	38.95	162.8	38.04	158.6	36.98	154.3	35.94	145.8	32.21
		634.5	173.2	40.03	168.4	39.08	162.8	38.16	158.6	37.11	154.3	36.08	145.8	32.32
	10	169.2	168.9	35.28	166.2	34.09	162.2	33.44	158.0	32.71	153.7	31.59	145.2	28.50
		211.5	169.9	35.21	166.9	34.12	162.8	33.51	158.6	32.69	154.3	31.56	145.8	28.48
		423.0	173.9	34.95	170.0	34.25	165.4	33.77	161.2	32.64	156.6	31.48	148.1	28.39
		528.8	174.8	35.42	171.2	34.74	166.5	33.90	161.9	32.78	157.7	32.00	149.0	29.74
		634.5	175.3	35.66	171.8	34.98	166.9	33.96	162.3	32.85	158.2	32.26	149.6	30.42
	15	169.2	169.1	31.79	166.3	30.43	161.5	30.11	157.2	29.61	153.1	28.35	144.6	25.83
		211.5	170.6	31.48	167.5	30.30	162.8	30.04	158.6	29.39	154.3	28.14	145.8	25.61
		423.0	176.1	30.21	172.5	29.78	168.1	29.78	163.7	28.52	159.0	27.27	150.5	24.75
		528.8	177.0	30.95	174.2	30.47	170.0	29.78	165.4	28.52	161.2	28.05	152.2	27.27
		634.5	177.5	31.32	175.1	30.83	171.1	29.78	166.3	28.52	162.3	28.44	153.1	28.53
	20	169.2	175.6	29.17	172.5	27.81	167.8	27.21	163.2	26.32	158.4	25.74	149.1	24.96
		211.5	177.0	28.96	173.8	27.79	169.1	27.18	164.5	26.44	159.9	25.92	150.5	24.75
		423.0	182.6	28.14	179.4	27.70	174.3	27.10	169.7	26.87	165.4	26.60	156.0	23.92
		528.8	183.3	28.14	180.7	27.70	176.4	27.27	171.3	26.87	166.7	26.60	157.2	25.44
		634.5	183.8	28.14	181.3	27.70	177.4	27.35	172.2	26.87	167.3	26.60	158.0	26.21
	25	169.2	185.4	27.81	180.7	27.01	176.4	26.54	173.0	26.11	169.1	25.73	159.4	24.04
		211.5	185.4	27.70	180.7	26.96	176.4	26.44	173.0	26.00	169.1	25.61	159.4	23.92
		423.0	185.4	27.27	180.7	26.78	176.4	26.00	173.0	25.61	169.1	25.18	159.4	23.49
		528.8	185.4	26.87	180.7	26.09	176.4	25.61	173.0	25.18	169.1	24.75	159.4	23.09
		634.5	185.4	26.68	180.7	25.74	176.4	25.42	173.0	24.96	169.1	24.53	159.4	22.90
	30	169.2	185.4	27.10	180.7	25.74	176.4	25.51	173.0	24.84	169.1	24.57	159.4	22.87
		211.5	185.4	26.87	180.7	25.70	176.4	25.36	173.0	24.75	169.1	24.36	159.4	22.66
		423.0	185.4	26.00	180.7	25.52	176.4	24.75	173.0	24.36	169.1	23.49	159.4	21.84
		528.8	185.4	25.61	180.7	24.84	176.4	24.36	173.0	23.92	169.1	23.49	159.4	21.84
		634.5	185.4	25.42	180.7	24.48	176.4	24.16	173.0	23.71	169.1	23.49	159.4	21.84
	35	169.2	185.4	25.83	180.7	24.98	176.4	24.47	173.0	23.58	169.1	22.77	159.4	21.17
		211.5	185.4	25.61	180.7	24.84	176.4	24.36	173.0	23.49	169.1	22.66	159.4	20.97
		423.0	185.4	24.75	180.7	24.27	176.4	23.92	173.0	23.09	169.1	22.22	159.4	20.15
		528.8	185.4	24.75	180.7	24.01	176.4	23.49	173.0	22.66	169.1	21.84	159.4	20.15
		634.5	185.4	24.75	180.7	23.88	176.4	23.26	173.0	22.44	169.1	21.64	159.4	20.15
	40	169.2	185.4	24.96	180.7	24.16	176.4	23.70	173.0	22.87	169.1	22.06	159.4	19.91
		211.5	185.4	24.75	180.7	24.01	176.4	23.49	173.0	22.66	169.1	21.84	159.4	19.71
		423.0	185.4	23.92	180.7	23.40	176.4	22.66	173.0	21.84	169.1	20.97	159.4	18.89
		528.8	185.4	23.49	180.7	23.01	176.4	22.66	173.0	21.84	169.1	20.97	159.4	18.89
		634.5	185.4	23.26	180.7	22.81	176.4	22.66	173.0	21.84	169.1	20.97	159.4	18.89
	45	169.2	185.4	24.13	180.7	23.34	176.4	22.98	173.0	22.16	169.1	21.29	159.4	18.66
		211.5	185.4	23.92	180.7	23.18	176.4	22.66	173.0	21.84	169.1	20.97	159.4	18.45
		423.0	185.4	23.09	180.7	22.57	176.4	21.40	173.0	20.58	169.1	19.71	159.4	17.63
		528.8	185.4	22.22	180.7	22.01	176.4	21.84	173.0	20.97	169.1	20.15	159.4	17.63
		634.5	185.4	21.79	180.7	21.73	176.4	22.06	173.0	21.17	169.1	20.37	159.4	17.63
120	-5	169.2	62.3	26.37	61.9	24.84	61.5	23.11	60.7	22.13	61.2	21.49	59.6	19.24
		211.5	64.5	26.83	63.9	25.31	63.5	23.62	62.8	22.62	63.3	21.97	61.6	19.66
		423.0	73.0	28.66	72.3	27.22	72.0	25.61	71.0	24.53	71.7	23.83	69.8	21.36
		528.8	80.5	30.47	79.9	29.09	79.5	27.62	78.5	26.48	79.2	25.70	77.0	23.01
		634.5	84.5	31.40	83.8	30.03	83.2	28.62	82.3	27.46	82.9	26.64	80.5	23.85
	0	169.2	111.3	36.06	108.7	34.99	106.3	33.85	104.3	32.42	104.3	31.52	99.4	28.18
		211.5	112.0	36.16	109.3	35.08	106.9	33.95	104.8	32.52	104.8	31.60	100.0	28.26
		423.0	114.6	36.55	111.9	35.42	109.6	34.34	107.3	32.91	107.3	31.96	102.5	28.61
		528.8	116.4	36.55	113.7	35.42	111.3	34.34	109.0	32.91	108.8	31.96	104.0	28.61
		634.5	117.3	36.55	114.7	35.42	112.2	34.34	109.8	32.91	109.6	31.96	104.8	28.61
	5	169.2	160.6	38.77	158.1	37.81	154.7	36.85	150.9	35.28	146.2	34.29	138.2	30.71
		211.5	161.2	38.95	158.4	38.00	154.7	37.03	150.9	35.47	146.2	34.47	138.2	30.88
		423.0	163.5	39.64	159.7	38.68	154.7	37.78	150.9	36.21	146.2	35.17	138.2	31.48
		528.8	164.4	39.90	158.7	38.95	154.7	38.04	150.9	36.46	146.2	35.42	138.2	31.69
		634.5	164.8	40.03	158.3	39.08	154.7	38.16	150.9	36.60	146.2	35.56	138.2	31.80
	10	169.2	161.2	34.83	158.2	33.86	154.3	33.18	150.5	32.17	145.8	31.11	137.9	27.96
		211.5	161.9	34.95	158.8	33.99	154.7	33.29	150.9	32.21	146.2	31.09	138.2	28.01
		423.0	165.0	35.42	161.5	34.52	156.4	33.77	152.7	32.39	147.8	31.00	139.6	28.14
		528.8	165.9	35.30	160.9	34.52	157.1	33.90	153.3	32.52	148.4	31.13	140.3	29.09
		634.5	166.3	35.23	160.6	34.52	157.4	33.96	153.6	32.58	148.7	31.20	140.6	29.56

7. Capacity tables

Heating Capacity (44 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	15	169.2	161.6	30.89	158.4	29.98	153.8	29.51	150.1	29.06	145.5	27.90	137.4	25.29
		211.5	162.6	30.95	159.3	30.04	154.7	29.56	150.9	28.96	146.2	27.70	138.2	25.18
		423.0	166.3	31.22	163.2	30.30	158.2	29.78	154.3	28.52	149.2	26.87	141.2	24.75
		528.8	167.2	30.74	163.1	30.04	159.4	29.78	155.6	28.52	150.5	26.87	142.5	26.44
		634.5	167.7	30.49	163.1	29.91	160.2	29.78	156.2	28.52	151.1	26.87	143.1	27.30
	20	169.2	166.2	27.79	163.1	26.60	158.1	25.89	153.7	25.52	148.7	25.20	140.8	23.92
		211.5	167.2	27.79	164.0	26.69	159.0	26.00	154.7	25.61	149.6	25.18	141.5	23.83
		423.0	171.5	27.79	167.9	27.10	162.4	26.44	158.6	26.00	153.4	25.09	144.9	23.49
		528.8	172.2	27.53	167.7	26.87	163.7	26.44	159.4	26.00	154.3	25.18	145.8	24.36
		634.5	172.6	27.40	167.7	26.76	164.4	26.44	160.0	26.00	154.8	25.22	146.2	24.79
	25	169.2	174.2	26.28	169.1	25.05	163.7	24.57	160.2	24.04	156.0	23.58	147.4	21.94
		211.5	174.3	26.17	169.1	25.00	163.7	24.53	160.2	23.92	156.0	23.49	147.4	21.84
		423.0	174.7	25.79	169.1	24.84	163.7	24.36	160.2	23.49	156.0	23.09	147.4	21.40
		528.8	175.2	24.84	169.1	24.19	163.7	23.92	160.2	23.49	156.0	22.66	147.4	21.40
		634.5	175.5	24.35	169.1	23.86	163.7	23.71	160.2	23.49	156.0	22.44	147.4	21.40
	30	169.2	175.2	25.13	169.1	23.89	163.7	23.21	160.2	22.32	156.0	22.06	147.4	20.26
		211.5	175.2	24.92	169.1	23.76	163.7	23.09	160.2	22.22	156.0	21.84	147.4	20.15
		423.0	175.2	24.10	169.1	23.18	163.7	22.66	160.2	21.84	156.0	20.97	147.4	19.71
		528.8	175.2	23.30	169.1	22.66	163.7	22.22	160.2	21.84	156.0	20.97	147.4	19.32
		634.5	175.2	22.92	169.1	22.40	163.7	22.01	160.2	21.84	156.0	20.97	147.4	19.12
	35	169.2	175.2	24.00	169.1	22.69	163.7	22.06	160.2	21.17	156.0	20.35	147.4	18.55
		211.5	175.2	23.67	169.1	22.49	163.7	21.84	160.2	20.97	156.0	20.15	147.4	18.45
		423.0	175.2	22.31	169.1	21.66	163.7	20.97	160.2	20.15	156.0	19.32	147.4	18.06
		528.8	175.2	22.06	169.1	21.49	163.7	20.97	160.2	20.15	156.0	19.32	147.4	17.63
		634.5	175.2	21.92	169.1	21.40	163.7	20.97	160.2	20.15	156.0	19.32	147.4	17.41
	40	169.2	175.2	23.29	169.1	21.66	163.7	20.80	160.2	19.91	156.0	19.10	147.4	17.29
		211.5	175.2	22.83	169.1	21.40	163.7	20.58	160.2	19.71	156.0	18.89	147.4	17.20
		423.0	175.2	21.06	169.1	20.41	163.7	19.71	160.2	18.89	156.0	18.06	147.4	16.80
		528.8	175.2	20.80	169.1	20.15	163.7	19.71	160.2	18.89	156.0	18.06	147.4	16.37
		634.5	175.2	20.66	169.1	20.01	163.7	19.71	160.2	18.89	156.0	18.06	147.4	16.14
	45	169.2	175.2	22.57	169.1	20.61	163.7	19.54	160.2	18.66	156.0	17.84	147.4	16.03
		211.5	175.2	22.01	169.1	20.32	163.7	19.32	160.2	18.45	156.0	17.63	147.4	15.93
		423.0	175.2	19.80	169.1	19.14	163.7	18.45	160.2	17.63	156.0	16.80	147.4	15.54
		528.8	175.2	19.53	169.1	18.80	163.7	18.45	160.2	17.63	156.0	16.80	147.4	15.10
		634.5	175.2	19.41	169.1	18.62	163.7	18.45	160.2	17.63	156.0	16.80	147.4	14.89
110	-5	169.2	59.0	26.72	58.5	24.84	58.2	23.11	57.6	22.13	57.7	21.49	56.5	19.24
		211.5	61.0	27.18	60.6	25.31	60.3	23.62	59.6	22.62	59.7	21.97	58.4	19.66
		423.0	69.0	29.00	68.6	27.22	68.2	25.61	67.5	24.53	67.5	23.83	66.1	21.36
		528.8	76.1	30.88	75.7	29.09	75.3	27.62	74.5	26.48	74.5	25.70	73.0	23.01
		634.5	79.8	31.81	79.2	30.03	78.8	28.62	78.0	27.46	78.0	26.64	76.4	23.85
	0	169.2	105.3	36.55	103.0	34.99	100.9	33.85	99.0	32.42	98.1	31.52	94.3	28.18
		211.5	106.0	36.64	103.7	35.08	101.5	33.95	99.5	32.52	98.6	31.60	94.9	28.26
		423.0	108.4	36.98	106.1	35.42	103.8	34.34	101.8	32.91	100.9	31.96	97.1	28.61
		528.8	110.0	36.98	107.8	35.42	105.5	34.34	103.4	32.91	102.5	31.96	98.5	28.61
		634.5	110.9	36.98	108.7	35.42	106.3	34.34	104.2	32.91	103.3	31.96	99.2	28.61
	5	169.2	153.7	39.29	150.0	37.81	146.5	36.85	143.3	35.28	137.7	34.29	131.0	30.71
		211.5	154.2	39.46	150.3	38.00	146.5	37.03	143.3	35.47	137.7	34.47	131.0	30.88
		423.0	156.2	40.16	151.5	38.68	146.7	37.78	143.3	36.21	137.7	35.17	131.0	31.48
		528.8	157.1	40.41	151.8	38.95	146.7	38.04	143.3	36.46	137.7	35.42	131.0	31.69
		634.5	157.6	40.55	152.1	39.08	146.7	38.16	143.3	36.60	137.7	35.56	131.0	31.80
	10	169.2	154.3	35.23	150.5	34.03	146.4	33.29	143.0	32.17	137.4	31.11	130.8	27.96
		211.5	154.9	35.30	150.9	34.12	146.5	33.38	143.3	32.21	137.7	31.09	131.0	28.01
		423.0	157.1	35.56	152.4	34.52	147.4	33.77	144.2	32.39	138.6	31.00	131.6	28.14
		528.8	158.0	35.56	153.1	34.52	148.0	33.68	144.3	32.30	138.9	31.13	132.0	28.44
		634.5	158.5	35.56	153.4	34.52	148.3	33.65	144.5	32.26	139.0	31.20	132.2	28.59
	15	169.2	154.7	31.17	150.6	30.30	146.2	29.78	142.8	29.06	137.3	27.90	130.7	25.29
		211.5	155.3	31.13	151.2	30.30	146.7	29.78	143.3	28.96	137.7	27.70	131.0	25.18
		423.0	158.0	30.95	153.4	30.30	148.4	29.78	144.9	28.52	139.5	26.87	132.3	24.75
		528.8	158.8	30.74	154.2	30.04	149.2	29.39	145.5	28.14	139.9	26.87	133.0	25.18
		634.5	159.3	30.63	154.6	29.91	149.6	29.19	145.7	27.93	140.1	26.87	133.5	25.40
	20	169.2	157.5	26.91	153.3	26.26	148.3	25.61	144.3	25.18	139.1	24.47	131.7	22.87
		211.5	158.4	26.96	153.8	26.26	148.7	25.61	144.9	25.18	139.5	24.36	132.3	22.83
		423.0	161.8	27.18	155.9	26.26	150.5	25.61	147.1	25.18	141.2	23.92	134.3	22.66
		528.8	162.8	27.18	157.1	26.26	151.4	25.61	147.4	24.75	142.0	23.92	134.7	22.66
		634.5	163.2	27.18	157.8	26.26	151.8	25.61	147.7	24.53	142.4	23.92	134.9	22.66
	25	169.2	162.5	24.48	157.7	23.58	151.4	23.21	148.0	22.32	142.9	21.51	135.2	19.71
		211.5	162.8	24.44	157.7	23.49	151.4	23.09	148.0	22.22	142.9	21.40	135.2	19.71
		423.0	164.1	24.27	157.7	23.09	151.4	22.66	148.0	21.84	142.9	20.97	135.2	19.71
		528.8	165.0	24.27	157.7	23.18	151.4	22.22	148.0	21.84	142.9	20.58	135.2	19.32
		634.5	165.3	24.27	157.7	23.23	151.4	22.01	148.0	21.84	142.9	20.38	135.2	19.12
	30	169.2	165.0	22.32	157.7	21.51	151.4	20.69	148.0	20.26	142.9	18.99	135.2	17.73
		211.5	165.0	22.22	157.7	21.40	151.4	20.58	148.0	20.15	142.9	18.89	135.2	17.63
		423.0	165.0	21.84	157.7	20.97	151.4	20.15	148.0	19.71	142.9	18.45	135.2	17.20
		528.8	165.0	21.66	157.7	20.58	151.4	19.71	148.0	19.32	142.9	18.45	135.2	17.20
		634.5	165.0	21.58	157.7	20.38	151.4	19.48	148.0	19.12	142.9	18.45	135.2	17.20
	35	169.2	165.0	21.17	157.7	19.81	151.4	18.99	148.0	18.17	142.9	17.29	135.2	16.03
		211.5	165.0	20.97	157.7	19.71	151.4	18.89	148.0	18.06	142.9	17.20	135.2	15.93
		423.0	165.0	20.15	157.7	19.32	151.4	18.45	148.0	17.63	142.9	16.80	135.2	15.54
		528.8	165.0	19.62	157.7	18.89	151.4	18.06	148.0	17.63	142.9	16.80	135.2	15.54
		634.5	165.0	19.36	157.7	18.67	151.4	17.87	148.0	17.63	142.9	16.80	135.2	15.54

7. Capacity tables

Heating Capacity (44 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	40	169.2	165.0	19.91	157.7	19.10	151.4	17.84	148.0	16.92	142.9	16.03	135.2	14.77
		211.5	165.0	19.71	157.7	18.89	151.4	17.63	148.0	16.80	142.9	15.93	135.2	14.67
		423.0	165.0	18.89	157.7	18.06	151.4	16.80	148.0	16.37	142.9	15.54	135.2	14.28
		528.8	165.0	18.62	157.7	17.63	151.4	16.80	148.0	15.93	142.9	15.10	135.2	13.85
		634.5	165.0	18.49	157.7	17.41	151.4	16.80	148.0	15.71	142.9	14.89	135.2	13.63
	45	169.2	165.0	18.66	157.7	18.38	151.4	16.68	148.0	15.65	142.9	14.77	135.2	13.51
		211.5	165.0	18.45	157.7	18.06	151.4	16.37	148.0	15.54	142.9	14.67	135.2	13.41
		423.0	165.0	17.63	157.7	16.80	151.4	15.10	148.0	15.10	142.9	14.28	135.2	13.03
		528.8	165.0	17.63	157.7	16.37	151.4	15.54	148.0	14.28	142.9	13.41	135.2	12.15
		634.5	165.0	17.63	157.7	16.14	151.4	15.75	148.0	13.87	142.9	12.97	135.2	11.72
100	-5	169.2	55.7	26.72	55.3	25.18	55.0	23.11	54.6	22.13	54.1	21.15	53.1	19.24
		211.5	57.6	27.18	57.2	25.65	57.0	23.62	56.5	22.62	55.9	21.62	55.0	19.66
		423.0	65.3	29.00	64.8	27.57	64.5	25.61	63.8	24.53	63.3	23.49	62.3	21.36
		528.8	72.1	30.88	71.6	29.47	71.1	27.62	70.5	26.48	70.0	25.31	68.7	23.01
		634.5	75.5	31.81	74.9	30.45	74.5	28.62	73.9	27.46	73.5	26.23	72.0	23.85
	0	169.2	99.6	36.55	97.4	35.47	95.4	33.85	93.7	32.42	92.0	31.04	88.9	28.18
		211.5	100.2	36.64	98.0	35.56	95.9	33.95	94.2	32.52	92.6	31.13	89.3	28.26
		423.0	102.5	36.98	100.3	35.90	98.1	34.34	96.4	32.91	94.8	31.48	91.5	28.61
		528.8	104.0	36.98	101.8	35.90	99.7	34.34	97.8	32.91	96.2	31.48	92.8	28.61
		634.5	104.8	36.98	102.7	35.90	100.5	34.34	98.6	32.91	96.8	31.48	93.6	28.61
	5	169.2	147.0	39.29	142.1	38.34	138.4	36.85	135.7	35.28	129.2	33.77	123.2	30.71
		211.5	147.4	39.46	142.3	38.51	138.5	37.03	135.7	35.47	129.2	33.95	123.2	30.88
		423.0	149.6	40.16	143.4	39.20	138.6	37.78	135.7	36.21	129.2	34.65	123.2	31.48
		528.8	150.5	40.41	143.7	39.46	138.6	38.04	135.7	36.46	129.2	34.86	123.2	31.69
		634.5	150.9	40.55	143.9	39.60	138.6	38.16	135.7	36.60	129.2	34.98	123.2	31.80
	10	169.2	147.8	35.13	142.6	34.37	138.6	33.29	135.7	32.17	129.2	30.57	123.2	27.96
		211.5	148.1	35.30	142.7	34.47	138.6	33.38	135.7	32.21	129.2	30.61	123.2	28.01
		423.0	149.6	35.94	143.5	34.91	138.6	33.77	135.7	32.39	129.2	30.74	123.2	28.14
		528.8	150.6	35.82	144.2	34.91	138.6	33.68	135.7	32.30	129.2	30.65	123.2	28.01
		634.5	151.1	35.75	144.5	34.91	138.6	33.65	135.7	32.26	129.2	30.60	123.2	27.93
	15	169.2	148.6	30.98	143.1	30.45	138.6	29.78	135.7	29.06	129.2	27.36	123.2	25.29
		211.5	148.7	31.13	143.3	30.47	138.6	29.78	135.7	28.96	129.2	27.27	123.2	25.18
		423.0	149.6	31.74	143.6	30.56	138.6	29.78	135.7	28.52	129.2	26.87	123.2	24.75
		528.8	150.9	31.22	144.3	30.30	138.6	29.39	135.7	28.14	129.2	26.44	123.2	24.36
		634.5	151.5	30.95	144.8	30.17	138.6	29.19	135.7	27.93	129.2	26.22	123.2	24.16
	20	169.2	149.4	26.50	143.9	25.80	138.6	25.18	135.7	24.84	129.2	23.21	123.2	22.06
		211.5	150.0	26.60	144.0	25.83	138.6	25.18	135.7	24.75	129.2	23.09	123.2	21.84
		423.0	152.2	27.10	144.3	25.92	138.6	25.18	135.7	24.36	129.2	22.66	123.2	20.97
		528.8	153.1	26.60	145.7	25.70	138.6	24.75	135.7	23.92	129.2	22.22	123.2	20.58
		634.5	153.5	26.37	146.4	25.59	138.6	24.53	135.7	23.71	129.2	22.01	123.2	20.38
	25	169.2	151.2	23.15	146.2	22.44	138.6	21.51	135.7	20.69	129.2	19.42	123.2	17.63
		211.5	151.8	23.18	146.2	22.31	138.6	21.40	135.7	20.58	129.2	19.32	123.2	17.63
		423.0	154.0	23.26	146.2	21.84	138.6	20.97	135.7	20.15	129.2	18.89	123.2	17.63
		528.8	154.7	22.74	146.2	21.66	138.6	20.58	135.7	19.71	129.2	18.89	123.2	17.20
		634.5	155.2	22.49	146.2	21.58	138.6	20.38	135.7	19.48	129.2	18.89	123.2	16.98
	30	169.2	154.7	21.07	146.2	19.42	138.6	18.10	135.7	17.73	129.2	16.37	123.2	15.65
		211.5	154.7	20.97	146.2	19.32	138.6	18.06	135.7	17.63	129.2	16.37	123.2	15.54
		423.0	154.7	20.58	146.2	18.89	138.6	17.88	135.7	17.20	129.2	16.37	123.2	15.10
		528.8	154.7	20.15	146.2	18.89	138.6	17.63	135.7	17.20	129.2	15.93	123.2	15.10
		634.5	154.7	19.93	146.2	18.89	138.6	17.50	135.7	17.20	129.2	15.71	123.2	15.10
	35	169.2	154.7	19.54	146.2	17.84	138.6	15.97	135.7	15.65	129.2	14.77	123.2	13.51
		211.5	154.7	19.32	146.2	17.63	138.6	15.93	135.7	15.54	129.2	14.67	123.2	13.41
		423.0	154.7	18.45	146.2	16.80	138.6	15.75	135.7	15.10	129.2	14.28	123.2	13.03
		528.8	154.7	18.45	146.2	16.80	138.6	15.54	135.7	15.10	129.2	14.28	123.2	13.03
		634.5	154.7	18.45	146.2	16.80	138.6	15.43	135.7	15.10	129.2	14.28	123.2	13.03
	40	169.2	154.7	18.28	146.2	16.58	138.6	14.33	135.7	13.96	129.2	13.14	123.2	12.26
		211.5	154.7	18.06	146.2	16.37	138.6	14.28	135.7	13.85	129.2	13.03	123.2	12.15
		423.0	154.7	17.20	146.2	15.54	138.6	14.11	135.7	13.41	129.2	12.60	123.2	11.77
		528.8	154.7	16.80	146.2	15.54	138.6	13.85	135.7	13.41	129.2	12.60	123.2	11.77
		634.5	154.7	16.61	146.2	15.54	138.6	13.72	135.7	13.41	129.2	12.60	123.2	11.77
	45	169.2	154.7	17.02	146.2	15.32	138.6	12.64	135.7	12.26	129.2	11.44	123.2	11.00
		211.5	154.7	16.80	146.2	15.10	138.6	12.60	135.7	12.15	129.2	11.33	123.2	10.90
		423.0	154.7	15.93	146.2	14.28	138.6	12.41	135.7	11.77	129.2	10.90	123.2	10.51
		528.8	154.7	15.10	146.2	14.28	138.6	12.15	135.7	11.77	129.2	10.90	123.2	10.51
		634.5	154.7	14.70	146.2	14.28	138.6	12.02	135.7	11.77	129.2	10.90	123.2	10.51
90	-5	169.2	52.6	24.80	51.0	22.59	49.4	19.84	49.1	18.90	48.7	18.21	47.9	16.36
		211.5	54.4	25.22	52.8	23.01	51.2	20.28	50.8	19.32	50.4	18.62	49.6	16.71
		423.0	61.6	26.91	59.7	24.71	57.9	22.01	57.5	20.97	57.2	20.23	55.9	18.15
		528.8	68.1	28.61	65.9	26.44	63.9	23.76	63.4	22.62	63.1	21.79	61.9	19.57
		634.5	71.3	29.46	69.1	27.31	67.0	24.62	66.4	23.45	66.0	22.59	64.8	20.31
	0	169.2	94.1	33.77	89.8	31.69	85.6	29.10	84.3	27.75	82.9	26.71	79.8	23.99
		211.5	94.6	33.86	90.2	31.78	86.1	29.18	84.9	27.83	83.4	26.78	80.4	24.05
		423.0	96.8	34.22	92.4	32.12	88.2	29.47	86.7	28.14	85.4	27.10	82.3	24.32
		528.8	98.3	34.22	93.7	32.12	89.6	29.47	88.0	28.14	86.7	27.10	83.6	24.32
		634.5	99.0	34.22	94.5	32.12	90.3	29.47	88.7	28.14	87.5	27.10	84.2	24.32
	5	169.2	132.9	36.26	128.6	34.22	124.5	31.68	121.9	30.19	116.6	29.06	111.0	26.09
		211.5	133.0	36.42	128.5	34.39	124.5	31.83	121.9	30.35	116.6	29.22	111.0	26.22
		423.0	133.6	37.07	128.2	35.04	124.5	32.43	121.9	30.95	116.6	29.83	111.0	26.74
		528.8	134.3	37.29	128.5	35.26	124.5	32.69	121.9	31.17	116.6	30.04	111.0	26.96
		634.5	134.7	37.40	128.8	35.36	124.5	32.82	121.9	31.28	116.6	30.14	111.0	27.07

7. Capacity tables

Heating Capacity (44 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	10	169.2	133.6	32.02	129.1	30.45	124.5	28.66	121.9	27.49	116.6	26.37	111.0	23.77
		211.5	133.6	32.04	128.9	30.47	124.5	28.70	121.9	27.53	116.6	26.35	111.0	23.80
		423.0	133.3	32.12	128.3	30.61	124.5	28.82	121.9	27.65	116.6	26.26	111.0	23.88
		528.8	134.2	32.04	128.6	30.51	124.5	28.74	121.9	27.57	116.6	26.35	111.0	23.97
		634.5	134.6	32.00	128.9	30.47	124.5	28.70	121.9	27.53	116.6	26.39	111.0	24.01
	15	169.2	134.3	27.72	129.5	26.72	124.5	25.73	121.9	24.84	116.6	23.70	111.0	21.51
		211.5	134.1	27.62	129.3	26.60	124.5	25.61	121.9	24.75	116.6	23.49	111.0	21.40
		423.0	133.2	27.18	128.5	26.17	124.5	25.18	121.9	24.36	116.6	22.66	111.0	20.97
		528.8	134.1	26.78	128.8	25.79	124.5	24.75	121.9	23.92	116.6	22.66	111.0	20.97
		634.5	134.6	26.59	128.9	25.59	124.5	24.53	121.9	23.71	116.6	22.66	111.0	20.97
	20	169.2	135.1	23.40	130.1	22.72	124.5	21.94	121.9	21.07	116.6	20.35	111.0	19.10
		211.5	135.1	23.40	129.8	22.66	124.5	21.84	121.9	20.97	116.6	20.15	111.0	18.89
		423.0	134.5	23.40	128.8	22.40	124.5	21.40	121.9	20.58	116.6	19.32	111.0	18.06
		528.8	134.9	23.01	129.2	22.22	124.5	21.40	121.9	20.58	116.6	19.32	111.0	18.06
		634.5	135.1	22.81	129.4	22.14	124.5	21.40	121.9	20.58	116.6	19.32	111.0	18.06
	25	169.2	137.3	20.45	131.7	19.36	124.5	18.55	121.9	17.63	116.6	16.92	111.0	15.65
		211.5	137.7	20.41	131.7	19.32	124.5	18.45	121.9	17.63	116.6	16.80	111.0	15.54
		423.0	139.0	20.23	131.7	19.14	124.5	18.06	121.9	17.63	116.6	16.37	111.0	15.10
		528.8	139.5	19.71	131.7	18.71	124.5	18.06	121.9	17.20	116.6	16.37	111.0	15.10
		634.5	139.8	19.44	131.7	18.49	124.5	18.06	121.9	16.98	116.6	16.37	111.0	15.10
	30	169.2	139.5	18.55	131.7	17.29	124.5	16.03	121.9	15.65	116.6	14.77	111.0	13.41
		211.5	139.5	18.45	131.7	17.20	124.5	15.93	121.9	15.54	116.6	14.67	111.0	13.41
		423.0	139.5	18.06	131.7	16.80	124.5	15.54	121.9	15.10	116.6	14.28	111.0	13.41
		528.8	139.5	17.63	131.7	16.37	124.5	15.54	121.9	15.10	116.6	14.28	111.0	13.03
		634.5	139.5	17.41	131.7	16.14	124.5	15.54	121.9	15.10	116.6	14.28	111.0	12.82
	35	169.2	139.5	16.92	131.7	15.65	124.5	14.39	121.9	13.96	116.6	13.14	111.0	12.26
		211.5	139.5	16.80	131.7	15.54	124.5	14.28	121.9	13.85	116.6	13.03	111.0	12.15
		423.0	139.5	16.37	131.7	15.10	124.5	13.85	121.9	13.41	116.6	12.60	111.0	11.77
		528.8	139.5	15.93	131.7	14.67	124.5	13.41	121.9	13.03	116.6	12.60	111.0	11.77
		634.5	139.5	15.71	131.7	14.46	124.5	13.20	121.9	12.82	116.6	12.60	111.0	11.77
	40	169.2	139.5	15.75	131.7	14.39	124.5	12.70	121.9	12.26	116.6	11.87	111.0	11.00
		211.5	139.5	15.54	131.7	14.28	124.5	12.60	121.9	12.15	116.6	11.77	111.0	10.90
		423.0	139.5	14.67	131.7	13.85	124.5	12.15	121.9	11.77	116.6	11.33	111.0	10.51
		528.8	139.5	14.67	131.7	13.85	124.5	12.15	121.9	11.77	116.6	11.33	111.0	10.51
		634.5	139.5	14.67	131.7	13.85	124.5	12.15	121.9	11.77	116.6	11.33	111.0	10.51
	45	169.2	139.5	14.61	131.7	13.14	124.5	11.00	121.9	10.61	116.6	10.61	111.0	9.73
		211.5	139.5	14.28	131.7	13.03	124.5	10.90	121.9	10.51	116.6	10.51	111.0	9.64
		423.0	139.5	13.03	131.7	12.60	124.5	10.51	121.9	10.08	116.6	10.08	111.0	9.25
		528.8	139.5	13.41	131.7	13.03	124.5	10.90	121.9	10.51	116.6	10.08	111.0	9.25
		634.5	139.5	13.62	131.7	13.25	124.5	11.09	121.9	10.72	116.6	10.08	111.0	9.25
80	-5	169.2	49.7	17.67	46.6	16.99	44.1	16.27	43.6	15.72	43.4	15.00	42.5	13.81
		211.5	51.5	18.06	48.2	17.36	45.6	16.64	45.2	16.06	44.9	15.32	44.0	14.11
		423.0	58.1	19.62	54.6	18.84	51.5	18.02	51.0	17.41	50.8	16.64	49.7	15.28
		528.8	64.3	21.14	60.3	20.32	57.0	19.44	56.3	18.80	56.0	17.93	55.0	16.50
		634.5	67.5	21.91	63.1	21.06	59.7	20.17	59.0	19.51	58.8	18.58	57.5	17.11
	0	169.2	88.9	25.93	81.9	24.88	76.3	23.86	74.8	23.02	73.8	21.94	71.0	20.22
		211.5	89.3	26.00	82.3	24.96	76.7	23.92	75.3	23.09	74.3	22.01	71.4	20.28
		423.0	91.5	26.31	84.3	25.27	78.5	24.19	77.0	23.35	76.1	22.27	73.1	20.50
		528.8	92.8	26.31	85.6	25.27	79.8	24.19	78.3	23.35	77.3	22.27	74.3	20.50
		634.5	93.4	26.31	86.2	25.27	80.5	24.19	78.8	23.35	77.9	22.27	74.8	20.50
	5	169.2	122.8	28.20	115.9	27.12	110.9	25.91	108.4	25.05	103.8	23.89	98.6	21.98
		211.5	123.2	28.35	116.2	27.27	110.9	26.04	108.4	25.18	103.8	24.01	98.6	22.10
		423.0	124.1	28.96	117.0	27.79	111.0	26.60	108.4	25.70	103.8	24.48	98.6	22.57
		528.8	124.1	29.13	117.0	28.01	111.0	26.78	108.4	25.88	103.8	24.66	98.6	22.71
		634.5	124.1	29.22	116.9	28.11	111.0	26.88	108.4	25.96	103.8	24.75	98.6	22.77
	10	169.2	123.5	25.95	116.4	24.77	110.9	23.52	108.4	22.87	103.8	21.66	98.6	20.04
		211.5	123.6	25.92	116.6	24.75	110.9	23.53	108.4	22.87	103.8	21.66	98.6	20.06
		423.0	124.1	25.79	117.0	24.62	111.0	23.58	108.4	22.92	103.8	21.70	98.6	20.10
		528.8	124.1	25.70	117.0	24.71	111.0	23.67	108.4	22.79	103.8	21.58	98.6	19.98
		634.5	124.1	25.65	116.9	24.75	111.0	23.71	108.4	22.72	103.8	21.51	98.6	19.91
	15	169.2	124.1	23.70	117.0	22.44	111.0	21.07	108.4	20.69	103.8	19.42	98.6	18.17
		211.5	124.1	23.49	117.0	22.22	111.0	20.97	108.4	20.58	103.8	19.32	98.6	18.06
		423.0	124.1	22.66	117.0	21.40	111.0	20.58	108.4	20.15	103.8	18.89	98.6	17.63
		528.8	124.1	22.22	117.0	21.40	111.0	20.58	108.4	19.71	103.8	18.45	98.6	17.20
		634.5	124.1	22.01	117.0	21.40	111.0	20.58	108.4	19.48	103.8	18.24	98.6	16.98
	20	169.2	124.1	19.81	117.0	18.99	111.0	18.06	108.4	17.73	103.8	16.92	98.6	15.65
		211.5	124.1	19.71	117.0	18.89	111.0	18.06	108.4	17.63	103.8	16.80	98.6	15.54
		423.0	124.1	19.32	117.0	18.45	111.0	18.06	108.4	17.20	103.8	16.37	98.6	15.10
		528.8	124.1	18.89	117.0	18.06	111.0	17.63	108.4	17.20	103.8	15.93	98.6	15.10
		634.5	124.1	18.67	117.0	17.87	111.0	17.41	108.4	17.20	103.8	15.71	98.6	15.10
	25	169.2	124.1	17.73	117.0	16.48	111.0	15.54	108.4	15.22	103.8	14.39	98.6	13.51
		211.5	124.1	17.63	117.0	16.37	111.0	15.54	108.4	15.10	103.8	14.28	98.6	13.41
		423.0	124.1	17.20	117.0	15.93	111.0	15.54	108.4	14.67	103.8	13.85	98.6	13.03
		528.8	124.1	16.80	117.0	15.93	111.0	15.10	108.4	14.67	103.8	13.85	98.6	13.03
		634.5	124.1	16.61	117.0	15.93	111.0	14.89	108.4	14.67	103.8	13.85	98.6	13.03
	30	169.2	124.1	15.65	117.0	14.77	111.0	13.96	108.4	13.51	103.8	12.70	98.6	11.87
		211.5	124.1	15.54	117.0	14.67	111.0	13.85	108.4	13.41	103.8	12.60	98.6	11.77
		423.0	124.1	15.10	117.0	14.28	111.0	13.41	108.4	13.03	103.8	12.15	98.6	11.33
		528.8	124.1	15.10	117.0	14.28	111.0	13.41	108.4	13.03	103.8	12.15	98.6	11.33
		634.5	124.1	15.10	117.0	14.28	111.0	13.41	108.4	13.03	103.8	12.15	98.6	11.33

7. Capacity tables

Heating Capacity (44 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	35	169.2	124.1	14.39	117.0	13.51	111.0	12.26	108.4	11.77	103.8	11.44	98.6	10.51
		211.5	124.1	14.28	117.0	13.41	111.0	12.15	108.4	11.77	103.8	11.33	98.6	10.51
		423.0	124.1	13.85	117.0	13.03	111.0	11.77	108.4	11.77	103.8	10.90	98.6	10.51
		528.8	124.1	13.85	117.0	12.60	111.0	11.77	108.4	11.33	103.8	10.90	98.6	10.08
		634.5	124.1	13.85	117.0	12.36	111.0	11.77	108.4	11.12	103.8	10.90	98.6	9.86
	40	169.2	124.1	13.62	117.0	12.26	111.0	10.90	108.4	11.00	103.8	10.08	98.6	9.73
		211.5	124.1	13.41	117.0	12.15	111.0	10.90	108.4	10.90	103.8	10.08	98.6	9.64
		423.0	124.1	12.60	117.0	11.77	111.0	10.90	108.4	10.51	103.8	10.08	98.6	9.25
		528.8	124.1	12.60	117.0	11.77	111.0	10.51	108.4	10.51	103.8	10.08	98.6	9.25
		634.5	124.1	12.60	117.0	11.77	111.0	10.31	108.4	10.51	103.8	10.08	98.6	9.25
	45	169.2	124.1	12.91	117.0	11.00	111.0	9.53	108.4	10.28	103.8	8.70	98.6	9.02
		211.5	124.1	12.60	117.0	10.90	111.0	9.64	108.4	10.08	103.8	8.81	98.6	8.81
		423.0	124.1	11.33	117.0	10.51	111.0	10.08	108.4	9.25	103.8	9.25	98.6	7.98
		528.8	124.1	11.33	117.0	10.90	111.0	9.25	108.4	9.64	103.8	9.25	98.6	8.38
		634.5	124.1	11.33	117.0	11.09	111.0	8.83	108.4	9.84	103.8	9.25	98.6	8.57
70	-5	169.2	43.4	15.17	40.8	14.44	38.6	13.97	38.1	13.17	37.9	12.70	37.3	11.56
		211.5	44.9	15.50	42.2	14.76	39.9	14.28	39.5	13.46	39.2	12.98	38.6	11.80
		423.0	50.8	16.80	47.7	16.02	45.0	15.50	44.6	14.58	44.4	14.06	43.6	12.82
		528.8	56.3	18.15	52.8	17.28	49.7	16.71	49.3	15.71	49.0	15.19	48.1	13.81
		634.5	59.0	18.82	55.3	17.91	52.2	17.32	51.8	16.28	51.3	15.76	50.3	14.30
	0	169.2	77.7	22.20	71.7	21.17	66.6	20.47	65.5	19.27	64.5	18.62	62.2	16.93
		211.5	78.2	22.27	72.2	21.23	67.0	20.53	65.9	19.32	64.8	18.67	62.5	16.98
		423.0	79.9	22.53	73.9	21.45	68.6	20.80	67.5	19.53	66.4	18.89	63.9	17.15
		528.8	81.1	22.53	75.1	21.45	69.6	20.80	68.5	19.53	67.5	18.89	65.0	17.15
		634.5	81.7	22.53	75.7	21.45	70.1	20.80	69.0	19.53	67.9	18.89	65.5	17.15
	5	169.2	107.3	24.19	101.6	23.02	96.8	22.29	94.8	20.99	90.5	20.25	86.2	18.40
		211.5	107.5	24.32	101.8	23.14	96.8	22.40	94.8	21.10	90.5	20.37	86.2	18.49
		423.0	108.4	24.79	102.6	23.62	96.9	22.87	94.8	21.49	90.5	20.80	86.2	18.89
		528.8	108.4	24.96	102.5	23.80	96.9	23.05	94.8	21.66	90.5	20.93	86.2	19.01
		634.5	108.4	25.05	102.5	23.88	96.9	23.14	94.8	21.75	90.5	20.99	86.2	19.08
	10	169.2	107.8	22.27	102.1	21.06	96.9	20.28	94.8	19.14	90.5	18.36	86.2	16.80
		211.5	107.9	22.22	102.1	21.02	96.9	20.23	94.8	19.14	90.5	18.36	86.2	16.80
		423.0	108.4	22.06	102.5	20.84	96.9	20.06	94.8	19.14	90.5	18.36	86.2	16.80
		528.8	108.4	22.14	102.5	20.93	96.9	20.15	94.8	19.23	90.5	18.24	86.2	16.85
		634.5	108.4	22.18	102.5	20.97	96.9	20.19	94.8	19.27	90.5	18.16	86.2	16.87
	15	169.2	108.4	20.35	102.5	19.10	96.9	18.28	94.8	17.29	90.5	16.48	86.2	15.22
		211.5	108.4	20.15	102.5	18.89	96.9	18.06	94.8	17.20	90.5	16.37	86.2	15.10
		423.0	108.4	19.32	102.5	18.06	96.9	17.20	94.8	16.80	90.5	15.93	86.2	14.67
		528.8	108.4	19.32	102.5	18.06	96.9	17.20	94.8	16.80	90.5	15.54	86.2	14.67
		634.5	108.4	19.32	102.5	18.06	96.9	17.20	94.8	16.80	90.5	15.34	86.2	14.67
	20	169.2	108.4	16.92	102.5	16.03	96.9	15.65	94.8	15.22	90.5	14.39	86.2	13.51
		211.5	108.4	16.80	102.5	15.93	96.9	15.54	94.8	15.10	90.5	14.28	86.2	13.41
		423.0	108.4	16.37	102.5	15.54	96.9	15.10	94.8	14.67	90.5	13.85	86.2	13.03
		528.8	108.4	16.37	102.5	15.54	96.9	15.10	94.8	14.28	90.5	13.85	86.2	12.60
		634.5	108.4	16.37	102.5	15.54	96.9	15.10	94.8	14.09	90.5	13.85	86.2	12.36
	25	169.2	108.4	15.22	102.5	14.39	96.9	13.51	94.8	13.14	90.5	12.15	86.2	11.33
		211.5	108.4	15.10	102.5	14.28	96.9	13.41	94.8	13.03	90.5	12.15	86.2	11.33
		423.0	108.4	14.67	102.5	13.85	96.9	13.03	94.8	12.60	90.5	12.15	86.2	11.33
		528.8	108.4	14.28	102.5	13.41	96.9	13.03	94.8	12.60	90.5	11.77	86.2	11.33
		634.5	108.4	14.09	102.5	13.20	96.9	13.03	94.8	12.60	90.5	11.56	86.2	11.33
	30	169.2	108.4	13.51	102.5	12.70	96.9	11.87	94.8	11.33	90.5	11.00	86.2	10.08
		211.5	108.4	13.41	102.5	12.60	96.9	11.77	94.8	11.33	90.5	10.90	86.2	10.08
		423.0	108.4	13.03	102.5	12.15	96.9	11.33	94.8	11.33	90.5	10.51	86.2	10.08
		528.8	108.4	13.03	102.5	12.15	96.9	11.33	94.8	10.90	90.5	10.51	86.2	10.08
		634.5	108.4	13.03	102.5	12.15	96.9	11.33	94.8	10.67	90.5	10.51	86.2	10.08
	35	169.2	108.4	12.26	102.5	11.44	96.9	10.51	94.8	10.61	90.5	9.64	86.2	9.36
		211.5	108.4	12.15	102.5	11.33	96.9	10.51	94.8	10.51	90.5	9.64	86.2	9.25
		423.0	108.4	11.77	102.5	10.90	96.9	10.51	94.8	10.08	90.5	9.64	86.2	8.81
		528.8	108.4	11.77	102.5	10.90	96.9	10.08	94.8	10.08	90.5	9.64	86.2	8.81
		634.5	108.4	11.77	102.5	10.90	96.9	9.86	94.8	10.08	90.5	9.64	86.2	8.81
	40	169.2	108.4	11.44	102.5	10.61	96.9	9.73	94.8	9.25	90.5	8.81	86.2	8.48
		211.5	108.4	11.33	102.5	10.51	96.9	9.64	94.8	9.25	90.5	8.81	86.2	8.38
		423.0	108.4	10.90	102.5	10.08	96.9	9.25	94.8	9.25	90.5	8.81	86.2	7.98
		528.8	108.4	10.90	102.5	10.08	96.9	9.25	94.8	8.81	90.5	8.38	86.2	7.98
		634.5	108.4	10.90	102.5	10.08	96.9	9.25	94.8	8.59	90.5	8.16	86.2	7.98
	45	169.2	108.4	10.61	102.5	9.73	96.9	9.02	94.8	7.89	90.5	7.98	86.2	7.67
		211.5	108.4	10.51	102.5	9.64	96.9	8.81	94.8	7.98	90.5	7.98	86.2	7.55
		423.0	108.4	10.08	102.5	9.25	96.9	7.98	94.8	8.38	90.5	7.98	86.2	7.12
		528.8	108.4	10.08	102.5	9.25	96.9	8.38	94.8	7.55	90.5	7.12	86.2	7.12
		634.5	108.4	10.08	102.5	9.25	96.9	8.57	94.8	7.14	90.5	6.69	86.2	7.12
60	-5	169.2	37.3	12.32	34.9	11.84	33.0	11.38	32.6	10.57	32.5	10.41	31.8	9.30
		211.5	38.6	12.60	36.1	12.11	34.2	11.64	33.8	10.81	33.6	10.64	33.0	9.51
		423.0	43.7	13.68	40.9	13.16	38.7	12.64	38.3	11.72	38.1	11.55	37.4	10.33
		528.8	48.2	14.72	45.2	14.20	42.8	13.63	42.3	12.68	42.2	12.45	41.3	11.12
		634.5	50.6	15.24	47.2	14.72	44.9	14.14	44.3	13.16	44.2	12.92	43.1	11.50
	0	169.2	66.6	18.05	61.4	17.41	57.2	16.66	56.2	15.50	55.4	15.28	53.3	13.64
		211.5	67.0	18.10	61.8	17.45	57.6	16.71	56.5	15.54	55.7	15.32	53.7	13.68
		423.0	68.6	18.32	63.2	17.63	59.0	16.93	57.8	15.71	57.0	15.50	54.8	13.81
		528.8	69.6	18.32	64.2	17.63	60.0	16.93	58.7	15.71	57.9	15.50	55.7	13.81
		634.5	70.1	18.32	64.7	17.63	60.4	16.93	59.1	15.71	58.4	15.50	56.2	13.81

7. Capacity tables

Heating Capacity (44 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	5	169.2	92.1	19.66	86.8	18.92	83.3	18.13	81.2	16.89	77.7	16.63	73.9	14.82
		211.5	92.4	19.75	87.1	19.01	83.3	18.24	81.2	16.98	77.7	16.71	73.9	14.89
		423.0	93.1	20.15	87.7	19.41	83.3	18.62	81.2	17.32	77.7	17.07	73.9	15.19
		528.8	93.1	20.32	87.6	19.53	83.3	18.76	81.2	17.45	77.7	17.15	73.9	15.32
		634.5	93.1	20.41	87.5	19.60	83.3	18.82	81.2	17.52	77.7	17.20	73.9	15.38
	10	169.2	92.6	18.06	87.1	17.28	83.3	16.46	81.2	15.37	77.7	15.08	73.9	13.51
		211.5	92.7	18.06	87.3	17.28	83.3	16.46	81.2	15.41	77.7	15.06	73.9	13.54
		423.0	93.1	18.06	87.7	17.28	83.3	16.46	81.2	15.59	77.7	15.02	73.9	13.68
		528.8	93.1	18.10	87.6	17.11	83.3	16.28	81.2	15.41	77.7	14.89	73.9	13.54
		634.5	93.1	18.12	87.5	17.02	83.3	16.18	81.2	15.32	77.7	14.82	73.9	13.48
	15	169.2	93.1	16.48	87.6	15.65	83.3	14.77	81.2	13.85	77.7	13.51	73.9	12.15
		211.5	93.1	16.37	87.6	15.54	83.3	14.67	81.2	13.85	77.7	13.41	73.9	12.15
		423.0	93.1	15.93	87.6	15.10	83.3	14.28	81.2	13.85	77.7	13.03	73.9	12.15
		528.8	93.1	15.93	87.6	14.67	83.3	13.85	81.2	13.41	77.7	12.60	73.9	11.77
		634.5	93.1	15.93	87.6	14.46	83.3	13.63	81.2	13.20	77.7	12.36	73.9	11.56
	20	169.2	93.1	14.39	87.6	13.51	83.3	12.70	81.2	12.26	77.7	11.87	73.9	11.00
		211.5	93.1	14.28	87.6	13.41	83.3	12.60	81.2	12.15	77.7	11.77	73.9	10.90
		423.0	93.1	13.85	87.6	13.03	83.3	12.15	81.2	11.77	77.7	11.33	73.9	10.51
		528.8	93.1	13.85	87.6	13.03	83.3	12.15	81.2	11.77	77.7	11.33	73.9	10.51
		634.5	93.1	13.85	87.6	13.03	83.3	12.15	81.2	11.77	77.7	11.33	73.9	10.51
	25	169.2	93.1	12.70	87.6	11.87	83.3	10.90	81.2	11.00	77.7	10.08	73.9	9.73
		211.5	93.1	12.60	87.6	11.77	83.3	10.90	81.2	10.90	77.7	10.08	73.9	9.64
		423.0	93.1	12.15	87.6	11.33	83.3	10.90	81.2	10.51	77.7	10.08	73.9	9.25
		528.8	93.1	12.15	87.6	11.33	83.3	10.51	81.2	10.51	77.7	10.08	73.9	9.25
		634.5	93.1	12.15	87.6	11.33	83.3	10.31	81.2	10.51	77.7	10.08	73.9	9.25
	30	169.2	93.1	11.44	87.6	10.61	83.3	10.18	81.2	9.73	77.7	9.36	73.9	8.93
		211.5	93.1	11.33	87.6	10.51	83.3	10.08	81.2	9.64	77.7	9.25	73.9	8.81
		423.0	93.1	10.90	87.6	10.08	83.3	9.64	81.2	9.25	77.7	8.81	73.9	8.38
		528.8	93.1	10.90	87.6	10.08	83.3	9.64	81.2	9.25	77.7	8.81	73.9	8.38
		634.5	93.1	10.90	87.6	10.08	83.3	9.64	81.2	9.25	77.7	8.81	73.9	8.38
	35	169.2	93.1	10.08	87.6	9.73	83.3	8.81	81.2	8.93	77.7	8.48	73.9	8.10
		211.5	93.1	10.08	87.6	9.64	83.3	8.81	81.2	8.81	77.7	8.38	73.9	7.98
		423.0	93.1	10.08	87.6	9.25	83.3	8.81	81.2	8.38	77.7	7.98	73.9	7.55
		528.8	93.1	10.08	87.6	9.25	83.3	8.38	81.2	8.38	77.7	7.98	73.9	7.55
		634.5	93.1	10.08	87.6	9.25	83.3	8.16	81.2	8.38	77.7	7.98	73.9	7.55
	40	169.2	93.1	9.25	87.6	8.93	83.3	7.98	81.2	8.10	77.7	7.67	73.9	7.12
		211.5	93.1	9.25	87.6	8.81	83.3	7.98	81.2	7.98	77.7	7.55	73.9	7.12
		423.0	93.1	9.25	87.6	8.38	83.3	7.98	81.2	7.55	77.7	7.12	73.9	7.12
		528.8	93.1	9.25	87.6	8.38	83.3	7.98	81.2	7.55	77.7	7.12	73.9	7.12
		634.5	93.1	9.25	87.6	8.38	83.3	7.98	81.2	7.55	77.7	7.12	73.9	7.12
	45	169.2	93.1	8.38	87.6	8.10	83.3	7.12	81.2	7.22	77.7	6.84	73.9	6.19
		211.5	93.1	8.38	87.6	7.98	83.3	7.12	81.2	7.12	77.7	6.73	73.9	6.30
		423.0	93.1	8.38	87.6	7.55	83.3	7.12	81.2	6.73	77.7	6.30	73.9	6.73
		528.8	93.1	8.38	87.6	7.55	83.3	7.55	81.2	6.73	77.7	6.30	73.9	6.73
		634.5	93.1	8.38	87.6	7.55	83.3	7.77	81.2	6.73	77.7	6.30	73.9	6.73
50	-5	169.2	31.1	9.82	29.2	9.30	27.6	8.81	27.1	8.33	27.0	7.81	26.5	7.40
		211.5	32.1	10.03	30.2	9.51	28.6	8.99	28.1	8.50	28.0	7.98	27.4	7.55
		423.0	36.2	10.85	34.0	10.33	32.3	9.73	31.8	9.25	31.7	8.68	31.1	8.16
		528.8	40.1	11.72	37.7	11.12	35.6	10.51	35.2	9.99	34.9	9.34	34.4	8.81
		634.5	42.1	12.17	39.5	11.50	37.3	10.90	36.9	10.36	36.5	9.67	36.1	9.15
	0	169.2	55.4	14.38	51.3	13.64	47.7	12.86	46.6	12.20	46.0	11.47	44.4	10.81
		211.5	55.7	14.42	51.5	13.68	48.0	12.89	46.9	12.24	46.2	11.50	44.6	10.85
		423.0	57.0	14.54	52.8	13.81	49.1	13.07	48.1	12.41	47.5	11.64	45.6	10.98
		528.8	57.9	14.54	53.5	13.81	49.7	13.07	48.8	12.41	48.1	11.64	46.4	10.98
		634.5	58.4	14.54	53.8	13.81	50.1	13.07	49.3	12.41	48.4	11.64	46.8	10.98
	5	169.2	76.6	15.64	72.6	14.82	69.2	13.99	67.6	13.31	64.7	12.49	61.6	11.74
		211.5	76.7	15.71	72.7	14.89	69.2	14.06	67.6	13.38	64.7	12.54	61.6	11.80
		423.0	77.4	16.02	73.2	15.19	69.4	14.37	67.6	13.63	64.7	12.77	61.6	12.07
		528.8	77.4	16.14	73.1	15.32	69.4	14.46	67.6	13.72	64.7	12.89	61.6	12.15
		634.5	77.4	16.22	73.0	15.38	69.4	14.50	67.6	13.77	64.7	12.96	61.6	12.20
	10	169.2	77.0	14.39	72.7	13.55	69.2	12.74	67.6	12.17	64.7	11.26	61.6	10.75
		211.5	77.0	14.37	72.9	13.54	69.2	12.73	67.6	12.15	64.7	11.28	61.6	10.72
		423.0	77.4	14.28	73.2	13.50	69.4	12.64	67.6	12.07	64.7	11.41	61.6	10.64
		528.8	77.4	14.37	73.1	13.54	69.4	12.68	67.6	12.11	64.7	11.24	61.6	10.68
		634.5	77.4	14.42	73.0	13.57	69.4	12.70	67.6	12.13	64.7	11.16	61.6	10.70
	15	169.2	77.4	13.14	73.1	12.26	69.4	11.44	67.6	11.00	64.7	10.08	61.6	9.73
		211.5	77.4	13.03	73.1	12.15	69.4	11.33	67.6	10.90	64.7	10.08	61.6	9.64
		423.0	77.4	12.60	73.1	11.77	69.4	10.90	67.6	10.51	64.7	10.08	61.6	9.25
		528.8	77.4	12.60	73.1	11.77	69.4	10.90	67.6	10.51	64.7	9.64	61.6	9.25
		634.5	77.4	12.60	73.1	11.77	69.4	10.90	67.6	10.51	64.7	9.43	61.6	9.25
	20	169.2	77.4	11.44	73.1	10.61	69.4	10.18	67.6	9.73	64.7	9.36	61.6	8.38
		211.5	77.4	11.33	73.1	10.51	69.4	10.08	67.6	9.64	64.7	9.25	61.6	8.38
		423.0	77.4	10.90	73.1	10.08	69.4	9.64	67.6	9.25	64.7	8.81	61.6	8.38
		528.8	77.4	10.90	73.1	10.08	69.4	9.64	67.6	9.25	64.7	8.81	61.6	8.38
		634.5	77.4	10.90	73.1	10.08	69.4	9.64	67.6	9.25	64.7	8.81	61.6	8.38
	25	169.2	77.4	10.18	73.1	9.25	69.4	8.93	67.6	8.38	64.7	7.98	61.6	7.55
		211.5	77.4	10.08	73.1	9.25	69.4	8.81	67.6	8.38	64.7	7.98	61.6	7.55
		423.0	77.4	9.64	73.1	9.25	69.4	8.38	67.6	8.38	64.7	7.98	61.6	7.55
		528.8	77.4	9.64	73.1	9.25	69.4	8.38	67.6	8.38	64.7	7.98	61.6	7.55
		634.5	77.4	9.64	73.1	9.25	69.4	8.38	67.6	8.38	64.7	7.98	61.6	7.55

7. Capacity tables

Heating Capacity (44 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	30	169.2	77.4	9.36	73.1	8.48	69.4	8.10	67.6	7.55	64.7	7.67	61.6	7.22
		211.5	77.4	9.25	73.1	8.38	69.4	7.98	67.6	7.55	64.7	7.55	61.6	7.12
		423.0	77.4	8.81	73.1	7.98	69.4	7.55	67.6	7.55	64.7	7.12	61.6	6.73
		528.8	77.4	8.81	73.1	7.98	69.4	7.55	67.6	7.55	64.7	7.12	61.6	6.73
		634.5	77.4	8.81	73.1	7.98	69.4	7.55	67.6	7.55	64.7	7.12	61.6	6.73
	35	169.2	77.4	8.48	73.1	7.55	69.4	7.12	67.6	7.22	64.7	6.73	61.6	6.30
		211.5	77.4	8.38	73.1	7.55	69.4	7.12	67.6	7.12	64.7	6.73	61.6	6.30
		423.0	77.4	7.98	73.1	7.55	69.4	7.12	67.6	6.73	64.7	6.73	61.6	6.30
		528.8	77.4	7.98	73.1	7.55	69.4	7.12	67.6	6.73	64.7	6.73	61.6	6.30
		634.5	77.4	7.98	73.1	7.55	69.4	7.12	67.6	6.73	64.7	6.73	61.6	6.30
	40	169.2	77.4	7.67	73.1	7.22	69.4	6.84	67.6	6.30	64.7	6.41	61.6	5.86
		211.5	77.4	7.55	73.1	7.12	69.4	6.73	67.6	6.30	64.7	6.30	61.6	5.86
		423.0	77.4	7.12	73.1	6.73	69.4	6.30	67.6	6.30	64.7	5.86	61.6	5.86
		528.8	77.4	7.12	73.1	6.73	69.4	6.30	67.6	6.30	64.7	5.86	61.6	5.86
		634.5	77.4	7.12	73.1	6.73	69.4	6.30	67.6	6.30	64.7	5.86	61.6	5.86
	45	169.2	77.4	6.84	73.1	6.94	69.4	6.50	67.6	5.37	64.7	6.07	61.6	5.47
		211.5	77.4	6.73	73.1	6.73	69.4	6.30	67.6	5.47	64.7	5.86	61.6	5.47
		423.0	77.4	6.30	73.1	5.86	69.4	5.47	67.6	5.86	64.7	5.03	61.6	5.47
		528.8	77.4	6.30	73.1	5.86	69.4	5.47	67.6	5.86	64.7	5.03	61.6	5.47
		634.5	77.4	6.30	73.1	5.86	69.4	5.47	67.6	5.86	64.7	5.03	61.6	5.47

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB480LSA4

Heating Capacity (48 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (48 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (48 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (48 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (48 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (48 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (48 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB500LSA4

Heating Capacity (50 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	192.0	74.5	30.03	74.0	28.29	73.5	26.32	72.5	25.56	73.5	24.87	71.3	22.31
		240.0	77.0	30.55	76.5	28.83	76.0	26.91	75.0	26.10	76.0	25.41	73.8	22.80
		480.0	87.2	32.64	86.5	31.01	86.0	29.17	84.8	28.34	85.8	27.55	83.7	24.72
		600.0	96.5	34.70	95.5	33.13	95.0	31.46	93.8	30.60	95.0	29.71	92.5	26.66
		720.0	101.0	35.76	100.0	34.21	99.5	32.59	98.3	31.75	99.5	30.82	97.0	27.62
	0	192.0	133.0	41.07	130.0	39.86	127.3	38.56	124.5	37.48	125.0	36.45	119.3	32.64
		240.0	134.0	41.19	130.8	39.96	128.0	38.66	125.3	37.58	125.7	36.54	120.0	32.73
		480.0	137.2	41.63	133.8	40.35	131.0	39.12	128.2	38.02	128.7	36.94	123.0	33.13
		600.0	139.2	41.63	135.8	40.35	133.0	39.12	130.0	38.02	130.5	36.94	124.7	33.13
		720.0	140.2	41.63	136.8	40.35	134.0	39.12	131.0	38.02	131.5	36.94	125.5	33.13
	5	192.0	191.7	44.16	188.8	43.06	184.8	41.97	180.2	40.77	175.3	39.66	165.7	35.51
		240.0	192.3	44.36	189.2	43.28	185.0	42.17	180.2	40.99	175.3	39.86	165.7	35.71
		480.0	195.0	45.15	190.5	44.06	185.0	43.03	180.2	41.83	175.3	40.65	165.7	36.45
		600.0	196.2	45.44	191.0	44.36	185.0	43.33	180.2	42.12	175.3	40.94	165.7	36.69
		720.0	196.8	45.59	191.3	44.51	185.0	43.47	180.2	42.27	175.3	41.09	165.7	36.81
	10	192.0	192.0	40.18	188.8	38.83	184.3	38.09	179.5	37.26	174.7	35.98	165.0	32.46
		240.0	193.0	40.11	189.7	38.86	185.0	38.17	180.2	37.23	175.3	35.95	165.7	32.44
		480.0	197.7	39.81	193.2	39.02	188.0	38.46	183.2	37.18	178.0	35.86	168.3	32.34
		600.0	198.7	40.35	194.5	39.57	189.2	38.61	184.0	37.33	179.2	36.45	169.3	33.87
		720.0	199.2	40.62	195.2	39.84	189.7	38.68	184.5	37.41	179.8	36.74	170.0	34.65
	15	192.0	192.2	36.20	189.0	34.67	183.5	34.29	178.7	33.72	174.0	32.29	164.3	29.42
		240.0	193.8	35.86	190.3	34.51	185.0	34.21	180.2	33.47	175.3	32.05	165.7	29.17
		480.0	200.2	34.41	196.0	33.92	191.0	33.92	186.0	32.49	180.7	31.06	171.0	28.19
		600.0	201.2	35.26	198.0	34.70	193.2	33.92	188.0	32.49	183.2	31.95	173.0	31.06
		720.0	201.7	35.68	199.0	35.12	194.5	33.92	189.0	32.49	184.5	32.39	174.0	32.49
	20	192.0	199.5	33.23	196.0	31.68	190.7	30.99	185.5	29.98	180.0	29.32	169.5	28.43
		240.0	201.2	32.98	197.5	31.65	192.2	30.96	187.0	30.11	181.7	29.52	171.0	28.19
		480.0	207.5	32.05	203.8	31.55	198.0	30.87	192.8	30.60	188.0	30.30	177.3	27.25
		600.0	208.3	32.05	205.3	31.55	200.5	31.06	194.7	30.60	189.5	30.30	178.7	28.98
		720.0	208.8	32.05	206.0	31.55	201.5	31.16	195.7	30.60	190.2	30.30	179.5	29.86
	25	192.0	210.7	31.68	205.3	30.77	200.5	30.23	196.5	29.74	192.2	29.30	181.2	27.38
		240.0	210.7	31.55	205.3	30.70	200.5	30.11	196.5	29.61	192.2	29.17	181.2	27.25
		480.0	210.7	31.06	205.3	30.50	200.5	29.61	196.5	29.17	192.2	28.68	181.2	26.76
		600.0	210.7	30.60	205.3	29.71	200.5	29.17	196.5	28.68	192.2	28.19	181.2	26.30
		720.0	210.7	30.38	205.3	29.32	200.5	28.95	196.5	28.43	192.2	27.94	181.2	26.08
	30	192.0	210.7	30.87	205.3	29.32	200.5	29.05	196.5	28.29	192.2	27.99	181.2	26.05
		240.0	210.7	30.60	205.3	29.27	200.5	28.88	196.5	28.19	192.2	27.75	181.2	25.81
		480.0	210.7	29.61	205.3	29.07	200.5	28.19	196.5	27.75	192.2	26.76	181.2	24.87
		600.0	210.7	29.17	205.3	28.29	200.5	27.75	196.5	27.25	192.2	26.76	181.2	24.87
		720.0	210.7	28.95	205.3	27.89	200.5	27.52	196.5	27.01	192.2	26.76	181.2	24.87
	35	192.0	210.7	29.42	205.3	28.46	200.5	27.87	196.5	26.86	192.2	25.93	181.2	24.11
		240.0	210.7	29.17	205.3	28.29	200.5	27.75	196.5	26.76	192.2	25.81	181.2	23.89
		480.0	210.7	28.19	205.3	27.65	200.5	27.25	196.5	26.30	192.2	25.31	181.2	22.95
		600.0	210.7	28.19	205.3	27.35	200.5	26.76	196.5	25.81	192.2	24.87	181.2	22.95
		720.0	210.7	28.19	205.3	27.20	200.5	26.49	196.5	25.56	192.2	24.65	181.2	22.95
	40	192.0	210.7	28.43	205.3	27.52	200.5	26.99	196.5	26.05	192.2	25.12	181.2	22.68
		240.0	210.7	28.19	205.3	27.35	200.5	26.76	196.5	25.81	192.2	24.87	181.2	22.44
		480.0	210.7	27.25	205.3	26.66	200.5	25.81	196.5	24.87	192.2	23.89	181.2	21.51
		600.0	210.7	26.76	205.3	26.20	200.5	25.81	196.5	24.87	192.2	23.89	181.2	21.51
		720.0	210.7	26.49	205.3	25.98	200.5	25.81	196.5	24.87	192.2	23.89	181.2	21.51
	45	192.0	210.7	27.48	205.3	26.59	200.5	26.17	196.5	25.24	192.2	24.25	181.2	21.26
		240.0	210.7	27.25	205.3	26.40	200.5	25.81	196.5	24.87	192.2	23.89	181.2	21.01
		480.0	210.7	26.30	205.3	25.71	200.5	24.38	196.5	23.44	192.2	22.44	181.2	20.08
		600.0	210.7	25.31	205.3	25.07	200.5	24.87	196.5	23.89	192.2	22.95	181.2	20.08
		720.0	210.7	24.82	205.3	24.75	200.5	25.12	196.5	24.11	192.2	23.20	181.2	20.08
120	-5	192.0	70.8	30.03	70.3	28.29	69.8	26.32	69.0	25.21	69.5	24.48	67.7	21.92
		240.0	73.3	30.55	72.7	28.83	72.2	26.91	71.3	25.76	72.0	25.02	70.0	22.39
		480.0	83.0	32.64	82.2	31.01	81.8	29.17	80.7	27.94	81.5	27.15	79.3	24.33
		600.0	91.5	34.70	90.8	33.13	90.3	31.46	89.2	30.16	90.0	29.27	87.5	26.20
		720.0	96.0	35.76	95.2	34.21	94.5	32.59	93.5	31.28	94.2	30.35	91.5	27.16
	0	192.0	126.5	41.07	123.5	39.86	120.8	38.56	118.5	36.92	118.5	35.90	113.0	32.10
		240.0	127.3	41.19	124.2	39.96	121.5	38.66	119.0	37.04	119.0	36.00	113.7	32.19
		480.0	130.2	41.63	127.2	40.35	124.5	39.12	122.0	37.48	122.0	36.40	116.5	32.59
		600.0	132.3	41.63	129.2	40.35	126.5	39.12	123.8	37.48	123.7	36.40	118.2	32.59
		720.0	133.3	41.63	130.3	40.35	127.5	39.12	124.8	37.48	124.5	36.40	119.0	32.59
	5	192.0	182.5	44.16	179.7	43.06	175.8	41.97	171.5	40.18	166.2	39.05	157.0	34.97
		240.0	183.2	44.36	180.0	43.28	175.8	42.17	171.5	40.40	166.2	39.27	157.0	35.17
		480.0	185.8	45.15	181.5	44.06	175.8	43.03	171.5	41.24	166.2	40.06	157.0	35.86
		600.0	186.8	45.44	180.3	44.36	175.8	43.33	171.5	41.53	166.2	40.35	157.0	36.10
		720.0	187.3	45.59	179.8	44.51	175.8	43.47	171.5	41.68	166.2	40.50	157.0	36.22
	10	192.0	183.2	39.67	179.8	38.56	175.3	37.80	171.0	36.64	165.7	35.44	156.7	31.85
		240.0	184.0	39.81	180.5	38.71	175.8	37.92	171.5	36.69	166.2	35.41	157.0	31.90
		480.0	187.5	40.35	183.5	39.32	177.7	38.46	173.5	36.89	168.0	35.31	158.7	32.05
		600.0	188.5	40.21	182.8	39.32	178.5	38.61	174.2	37.04	168.7	35.46	159.5	33.13
		720.0	189.0	40.13	182.5	39.32	178.8	38.68	174.5	37.11	169.0	35.54	159.8	33.67

7. Capacity tables

Heating Capacity (50 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	15	192.0	183.7	35.19	180.0	34.14	174.8	33.62	170.5	33.10	165.3	31.78	156.2	28.80
		240.0	184.8	35.26	181.0	34.21	175.8	33.67	171.5	32.98	166.2	31.55	157.0	28.68
		480.0	189.0	35.56	185.5	34.51	179.8	33.92	175.3	32.49	169.5	30.60	160.5	28.19
		600.0	190.0	35.02	185.3	34.21	181.2	33.92	176.8	32.49	171.0	30.60	162.0	30.11
		720.0	190.5	34.73	185.3	34.06	182.0	33.92	177.5	32.49	171.7	30.60	162.7	31.09
	20	192.0	188.8	31.65	185.3	30.30	179.7	29.49	174.7	29.07	169.0	28.70	160.0	27.25
		240.0	190.0	31.65	186.3	30.40	180.7	29.61	175.8	29.17	170.0	28.68	160.8	27.15
		480.0	194.8	31.65	190.8	30.87	184.5	30.11	180.2	29.61	174.3	28.58	164.7	26.76
		600.0	195.7	31.36	190.5	30.60	186.0	30.11	181.2	29.61	175.3	28.68	165.7	27.75
		720.0	196.2	31.21	190.5	30.48	186.8	30.11	181.8	29.61	176.0	28.73	166.2	28.24
	25	192.0	198.0	29.93	192.2	28.53	186.0	27.99	182.0	27.38	177.3	26.86	167.5	24.99
		240.0	198.0	29.81	192.2	28.48	186.0	27.94	182.0	27.25	177.3	26.76	167.5	24.87
		480.0	198.5	29.37	192.2	28.29	186.0	27.75	182.0	26.76	177.3	26.30	167.5	24.38
		600.0	199.0	28.29	192.2	27.55	186.0	27.25	182.0	26.76	177.3	25.81	167.5	24.38
		720.0	199.5	27.74	192.2	27.18	186.0	27.01	182.0	26.76	177.3	25.56	167.5	24.38
	30	192.0	199.0	28.63	192.2	27.21	186.0	26.44	182.0	25.43	177.3	25.12	167.5	23.08
		240.0	199.0	28.38	192.2	27.06	186.0	26.30	182.0	25.31	177.3	24.87	167.5	22.95
		480.0	199.0	27.45	192.2	26.40	186.0	25.81	182.0	24.87	177.3	23.89	167.5	22.44
		600.0	199.0	26.54	192.2	25.81	186.0	25.31	182.0	24.87	177.3	23.89	167.5	22.00
		720.0	199.0	26.10	192.2	25.51	186.0	25.07	182.0	24.87	177.3	23.89	167.5	21.78
	35	192.0	199.0	27.33	192.2	25.85	186.0	25.12	182.0	24.11	177.3	23.18	167.5	21.13
		240.0	199.0	26.96	192.2	25.61	186.0	24.87	182.0	23.89	177.3	22.95	167.5	21.01
		480.0	199.0	25.41	192.2	24.67	186.0	23.89	182.0	22.95	177.3	22.00	167.5	20.57
		600.0	199.0	25.12	192.2	24.48	186.0	23.89	182.0	22.95	177.3	22.00	167.5	20.08
		720.0	199.0	24.97	192.2	24.38	186.0	23.89	182.0	22.95	177.3	22.00	167.5	19.83
	40	192.0	199.0	26.52	192.2	24.67	186.0	23.69	182.0	22.68	177.3	21.75	167.5	19.69
		240.0	199.0	26.00	192.2	24.38	186.0	23.44	182.0	22.44	177.3	21.51	167.5	19.59
		480.0	199.0	23.99	192.2	23.25	186.0	22.44	182.0	21.51	177.3	20.57	167.5	19.14
		600.0	199.0	23.69	192.2	22.95	186.0	22.44	182.0	21.51	177.3	20.57	167.5	18.65
		720.0	199.0	23.54	192.2	22.80	186.0	22.44	182.0	21.51	177.3	20.57	167.5	18.38
	45	192.0	199.0	25.71	192.2	23.47	186.0	22.26	182.0	21.26	177.3	20.32	167.5	18.26
		240.0	199.0	25.07	192.2	23.15	186.0	22.00	182.0	21.01	177.3	20.08	167.5	18.14
		480.0	199.0	22.56	192.2	21.80	186.0	21.01	182.0	20.08	177.3	19.14	167.5	17.70
		600.0	199.0	22.24	192.2	21.41	186.0	21.01	182.0	20.08	177.3	19.14	167.5	17.20
		720.0	199.0	22.10	192.2	21.21	186.0	21.01	182.0	20.08	177.3	19.14	167.5	16.96
110	-5	192.0	67.0	30.43	66.5	28.29	66.2	26.32	65.5	25.21	65.5	24.48	64.2	21.92
		240.0	69.3	30.96	68.8	28.83	68.5	26.91	67.7	25.76	67.8	25.02	66.3	22.39
		480.0	78.5	33.03	78.0	31.01	77.5	29.17	76.7	27.94	76.7	27.15	75.2	24.33
		600.0	86.5	35.17	86.0	33.13	85.5	31.46	84.7	30.16	84.7	29.27	83.0	26.20
		720.0	90.7	36.23	90.0	34.21	89.5	32.59	88.7	31.28	88.7	30.35	86.8	27.16
	0	192.0	119.7	41.63	117.0	39.86	114.7	38.56	112.5	36.92	111.5	35.90	107.2	32.10
		240.0	120.5	41.73	117.8	39.96	115.3	38.66	113.0	37.04	112.0	36.00	107.8	32.19
		480.0	123.2	42.12	120.5	40.35	118.0	39.12	115.7	37.48	114.7	36.40	110.3	32.59
		600.0	125.0	42.12	122.5	40.35	119.8	39.12	117.5	37.48	116.5	36.40	112.0	32.59
		720.0	126.0	42.12	123.5	40.35	120.8	39.12	118.5	37.48	117.3	36.40	112.7	32.59
	5	192.0	174.7	44.75	170.5	43.06	166.5	41.97	162.8	40.18	156.5	39.05	148.8	34.97
		240.0	175.2	44.95	170.8	43.28	166.5	42.17	162.8	40.40	156.5	39.27	148.8	35.17
		480.0	177.5	45.74	172.2	44.06	166.7	43.03	162.8	41.24	156.5	40.06	148.8	35.86
		600.0	178.5	46.03	172.5	44.36	166.7	43.33	162.8	41.53	156.5	40.35	148.8	36.10
		720.0	179.0	46.18	172.8	44.51	166.7	43.47	162.8	41.68	156.5	40.50	148.8	36.22
	10	192.0	175.3	40.13	171.0	38.76	166.3	37.92	162.5	36.64	156.2	35.44	148.7	31.85
		240.0	176.0	40.21	171.5	38.86	166.5	38.02	162.8	36.69	156.5	35.41	148.8	31.90
		480.0	178.5	40.50	173.2	39.32	167.5	38.46	163.8	36.89	157.5	35.31	149.5	32.05
		600.0	179.5	40.50	174.0	39.32	168.2	38.36	164.0	36.79	157.8	35.46	150.0	32.39
		720.0	180.2	40.50	174.3	39.32	168.5	38.32	164.2	36.74	158.0	35.54	150.2	32.56
	15	192.0	175.8	35.51	171.2	34.51	166.2	33.92	162.3	33.10	156.0	31.78	148.5	28.80
		240.0	176.5	35.46	171.8	34.51	166.7	33.92	162.8	32.98	156.5	31.55	148.8	28.68
		480.0	179.5	35.26	174.3	34.51	168.7	33.92	164.7	32.49	158.5	30.60	150.3	28.19
		600.0	180.5	35.02	175.2	34.21	169.5	33.47	165.3	32.05	159.0	30.60	151.2	28.68
		720.0	181.0	34.88	175.7	34.06	170.0	33.25	165.5	31.82	159.2	30.60	151.7	28.93
	20	192.0	179.0	30.65	174.2	29.91	168.5	29.17	164.0	28.68	158.0	27.87	149.7	26.05
		240.0	180.0	30.70	174.8	29.91	169.0	29.17	164.7	28.68	158.5	27.75	150.3	26.00
		480.0	183.8	30.96	177.2	29.91	171.0	29.17	167.2	28.68	160.5	27.25	152.7	25.81
		600.0	185.0	30.96	178.5	29.91	172.0	29.17	167.5	28.19	161.3	27.25	153.0	25.81
		720.0	185.5	30.96	179.3	29.91	172.5	29.17	167.8	27.94	161.8	27.25	153.3	25.81
	25	192.0	184.7	27.89	179.2	26.86	172.0	26.44	168.2	25.43	162.3	24.50	153.7	22.44
		240.0	185.0	27.84	179.2	26.76	172.0	26.30	168.2	25.31	162.3	24.38	153.7	22.44
		480.0	186.5	27.65	179.2	26.30	172.0	25.81	168.2	24.87	162.3	23.89	153.7	22.44
		600.0	187.5	27.65	179.2	26.40	172.0	25.31	168.2	24.87	162.3	23.44	153.7	22.00
		720.0	187.8	27.65	179.2	26.45	172.0	25.07	168.2	24.87	162.3	23.22	153.7	21.78
	30	192.0	187.5	25.43	179.2	24.50	172.0	23.57	168.2	23.08	162.3	21.63	153.7	20.20
		240.0	187.5	25.31	179.2	24.38	172.0	23.44	168.2	22.95	162.3	21.51	153.7	20.08
		480.0	187.5	24.87	179.2	23.89	172.0	22.95	168.2	22.44	162.3	21.01	153.7	19.59
		600.0	187.5	24.67	179.2	23.44	172.0	22.44	168.2	22.00	162.3	21.01	153.7	19.59
		720.0	187.5	24.58	179.2	23.22	172.0	22.19	168.2	21.78	162.3	21.01	153.7	19.59
	35	192.0	187.5	24.11	179.2	22.56	172.0	21.63	168.2	20.69	162.3	19.69	153.7	18.26
		240.0	187.5	23.89	179.2	22.44	172.0	21.51	168.2	20.57	162.3	19.59	153.7	18.14
		480.0	187.5	22.95	179.2	22.00	172.0	21.01	168.2	20.08	162.3	19.14	153.7	17.70
		600.0	187.5	22.34	179.2	21.51	172.0	20.57	168.2	20.08	162.3	19.14	153.7	17.70
		720.0	187.5	22.05	179.2	21.26	172.0	20.35	168.2	20.08	162.3	19.14	153.7	17.70

7. Capacity tables

Heating Capacity (50 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	40	192.0	187.5	22.68	179.2	21.75	172.0	20.32	168.2	19.27	162.3	18.26	153.7	16.83
		240.0	187.5	22.44	179.2	21.51	172.0	20.08	168.2	19.14	162.3	18.14	153.7	16.71
		480.0	187.5	21.51	179.2	20.57	172.0	19.14	168.2	18.65	162.3	17.70	153.7	16.27
		600.0	187.5	21.21	179.2	20.08	172.0	19.14	168.2	18.14	162.3	17.20	153.7	15.78
		720.0	187.5	21.06	179.2	19.83	172.0	19.14	168.2	17.89	162.3	16.96	153.7	15.53
	45	192.0	187.5	21.26	179.2	20.94	172.0	19.00	168.2	17.82	162.3	16.83	153.7	15.39
		240.0	187.5	21.01	179.2	20.57	172.0	18.65	168.2	17.70	162.3	16.71	153.7	15.28
		480.0	187.5	20.08	179.2	19.14	172.0	17.20	168.2	17.20	162.3	16.27	153.7	14.84
		600.0	187.5	20.08	179.2	18.65	172.0	17.70	168.2	16.27	162.3	15.28	153.7	13.84
		720.0	187.5	20.08	179.2	18.38	172.0	17.94	168.2	15.80	162.3	14.77	153.7	13.35
100	-5	192.0	63.3	30.43	62.8	28.68	62.5	26.32	62.0	25.21	61.5	24.09	60.3	21.92
		240.0	65.5	30.96	65.0	29.22	64.8	26.91	64.2	25.76	63.5	24.63	62.5	22.39
		480.0	74.2	33.03	73.7	31.41	73.3	29.17	72.5	27.94	72.0	26.76	70.8	24.33
		600.0	82.0	35.17	81.3	33.57	80.8	31.46	80.2	30.16	79.5	28.83	78.0	26.20
		720.0	85.8	36.23	85.2	34.68	84.7	32.59	84.0	31.28	83.5	29.88	81.8	27.16
	0	192.0	113.2	41.63	110.7	40.40	108.5	38.56	106.5	36.92	104.5	35.36	101.0	32.10
		240.0	113.8	41.73	111.3	40.50	109.0	38.66	107.0	37.04	105.2	35.46	101.5	32.19
		480.0	116.5	42.12	114.0	40.89	111.5	39.12	109.5	37.48	107.7	35.86	104.0	32.59
		600.0	118.2	42.12	115.7	40.89	113.3	39.12	111.2	37.48	109.3	35.86	105.5	32.59
		720.0	119.0	42.12	116.7	40.89	114.2	39.12	112.0	37.48	110.0	35.86	106.3	32.59
	5	192.0	167.0	44.75	161.5	43.67	157.3	41.97	154.2	40.18	146.8	38.46	140.0	34.97
		240.0	167.5	44.95	161.7	43.87	157.3	42.17	154.2	40.40	146.8	38.66	140.0	35.17
		480.0	170.0	45.74	163.0	44.65	157.5	43.03	154.2	41.24	146.8	39.47	140.0	35.86
		600.0	171.0	46.03	163.3	44.95	157.5	43.33	154.2	41.53	146.8	39.71	140.0	36.10
		720.0	171.5	46.18	163.5	45.10	157.5	43.47	154.2	41.68	146.8	39.84	140.0	36.22
	10	192.0	168.0	40.01	162.0	39.15	157.5	37.92	154.2	36.64	146.8	34.82	140.0	31.85
		240.0	168.3	40.21	162.2	39.27	157.5	38.02	154.2	36.69	146.8	34.87	140.0	31.90
		480.0	170.0	40.94	163.0	39.76	157.5	38.46	154.2	36.89	146.8	35.02	140.0	32.05
		600.0	171.2	40.80	163.8	39.76	157.5	38.36	154.2	36.79	146.8	34.92	140.0	31.90
		720.0	171.7	40.72	164.2	39.76	157.5	38.32	154.2	36.74	146.8	34.85	140.0	31.82
	15	192.0	168.8	35.29	162.7	34.68	157.5	33.92	154.2	33.10	146.8	31.16	140.0	28.80
		240.0	169.0	35.46	162.8	34.70	157.5	33.92	154.2	32.98	146.8	31.06	140.0	28.68
		480.0	170.0	36.15	163.2	34.80	157.5	33.92	154.2	32.49	146.8	30.60	140.0	28.19
		600.0	171.5	35.56	164.0	34.51	157.5	33.47	154.2	32.05	146.8	30.11	140.0	27.75
		720.0	172.2	35.26	164.5	34.36	157.5	33.25	154.2	31.82	146.8	29.86	140.0	27.52
	20	192.0	169.8	30.18	163.5	29.39	157.5	28.68	154.2	28.29	146.8	26.44	140.0	25.12
		240.0	170.5	30.30	163.7	29.42	157.5	28.68	154.2	28.19	146.8	26.30	140.0	24.87
		480.0	173.0	30.87	164.0	29.52	157.5	28.68	154.2	27.75	146.8	25.81	140.0	23.89
		600.0	174.0	30.30	165.5	29.27	157.5	28.19	154.2	27.25	146.8	25.31	140.0	23.44
		720.0	174.5	30.03	166.3	29.15	157.5	27.94	154.2	27.01	146.8	25.07	140.0	23.22
	25	192.0	171.8	26.37	166.2	25.56	157.5	24.50	154.2	23.57	146.8	22.12	140.0	20.08
		240.0	172.5	26.40	166.2	25.41	157.5	24.38	154.2	23.44	146.8	22.00	140.0	20.08
		480.0	175.0	26.49	166.2	24.87	157.5	23.89	154.2	22.95	146.8	21.51	140.0	20.08
		600.0	175.8	25.90	166.2	24.67	157.5	23.44	154.2	22.44	146.8	21.51	140.0	19.59
		720.0	176.3	25.61	166.2	24.58	157.5	23.22	154.2	22.19	146.8	21.51	140.0	19.34
	30	192.0	175.8	23.99	166.2	22.12	157.5	20.62	154.2	20.20	146.8	18.65	140.0	17.82
		240.0	175.8	23.89	166.2	22.00	157.5	20.57	154.2	20.08	146.8	18.65	140.0	17.70
		480.0	175.8	23.44	166.2	21.51	157.5	20.37	154.2	19.59	146.8	18.65	140.0	17.20
		600.0	175.8	22.95	166.2	21.51	157.5	20.08	154.2	19.59	146.8	18.14	140.0	17.20
		720.0	175.8	22.69	166.2	21.51	157.5	19.93	154.2	19.59	146.8	17.89	140.0	17.20
	35	192.0	175.8	22.26	166.2	20.32	157.5	18.19	154.2	17.82	146.8	16.83	140.0	15.39
		240.0	175.8	22.00	166.2	20.08	157.5	18.14	154.2	17.70	146.8	16.71	140.0	15.28
		480.0	175.8	21.01	166.2	19.14	157.5	17.94	154.2	17.20	146.8	16.27	140.0	14.84
		600.0	175.8	21.01	166.2	19.14	157.5	17.70	154.2	17.20	146.8	16.27	140.0	14.84
		720.0	175.8	21.01	166.2	19.14	157.5	17.57	154.2	17.20	146.8	16.27	140.0	14.84
	40	192.0	175.8	20.82	166.2	18.88	157.5	16.32	154.2	15.90	146.8	14.97	140.0	13.96
		240.0	175.8	20.57	166.2	18.65	157.5	16.27	154.2	15.78	146.8	14.84	140.0	13.84
		480.0	175.8	19.59	166.2	17.70	157.5	16.07	154.2	15.28	146.8	14.35	140.0	13.40
		600.0	175.8	19.14	166.2	17.70	157.5	15.78	154.2	15.28	146.8	14.35	140.0	13.40
		720.0	175.8	18.92	166.2	17.70	157.5	15.63	154.2	15.28	146.8	14.35	140.0	13.40
	45	192.0	175.8	19.39	166.2	17.45	157.5	14.40	154.2	13.96	146.8	13.03	140.0	12.53
		240.0	175.8	19.14	166.2	17.20	157.5	14.35	154.2	13.84	146.8	12.90	140.0	12.41
		480.0	175.8	18.14	166.2	16.27	157.5	14.13	154.2	13.40	146.8	12.41	140.0	11.97
		600.0	175.8	17.20	166.2	16.27	157.5	13.84	154.2	13.40	146.8	12.41	140.0	11.97
		720.0	175.8	16.74	166.2	16.27	157.5	13.69	154.2	13.40	146.8	12.41	140.0	11.97
90	-5	192.0	59.8	28.24	58.0	25.73	56.2	22.59	55.8	21.53	55.3	20.74	54.5	18.63
		240.0	61.8	28.73	60.0	26.20	58.2	23.10	57.7	22.00	57.3	21.21	56.3	19.04
		480.0	70.0	30.65	67.8	28.14	65.8	25.07	65.3	23.89	65.0	23.05	63.5	20.67
		600.0	77.3	32.59	74.8	30.11	72.7	27.06	72.0	25.76	71.7	24.82	70.3	22.29
		720.0	81.0	33.55	78.5	31.11	76.2	28.04	75.5	26.71	75.0	25.73	73.7	23.13
	0	192.0	107.0	38.46	102.0	36.10	97.3	33.15	95.8	31.61	94.2	30.42	90.7	27.33
		240.0	107.5	38.56	102.5	36.20	97.8	33.23	96.5	31.70	94.8	30.50	91.3	27.40
		480.0	110.0	38.98	105.0	36.59	100.2	33.57	98.5	32.05	97.0	30.87	93.5	27.70
		600.0	111.7	38.98	106.5	36.59	101.8	33.57	100.0	32.05	98.5	30.87	95.0	27.70
		720.0	112.5	38.98	107.3	36.59	102.7	33.57	100.8	32.05	99.5	30.87	95.7	27.70
	5	192.0	151.0	41.31	146.2	38.98	141.5	36.08	138.5	34.38	132.5	33.10	126.2	29.71
		240.0	151.2	41.48	146.0	39.17	141.5	36.25	138.5	34.56	132.5	33.28	126.2	29.86
		480.0	151.8	42.22	145.7	39.91	141.5	36.94	138.5	35.26	132.5	33.97	126.2	30.45
		600.0	152.7	42.47	146.0	40.16	141.5	37.23	138.5	35.51	132.5	34.21	126.2	30.70
		720.0	153.0	42.59	146.3	40.28	141.5	37.38	138.5	35.63	132.5	34.33	126.2	30.84

7. Capacity tables

Heating Capacity (50 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	10	192.0	151.8	36.47	146.7	34.68	141.5	32.64	138.5	31.31	132.5	30.03	126.2	27.08
		240.0	151.8	36.49	146.5	34.70	141.5	32.69	138.5	31.36	132.5	30.01	126.2	27.11
		480.0	151.5	36.59	145.8	34.87	141.5	32.83	138.5	31.50	132.5	29.91	126.2	27.20
		600.0	152.5	36.49	146.2	34.75	141.5	32.73	138.5	31.41	132.5	30.01	126.2	27.30
		720.0	153.0	36.45	146.5	34.70	141.5	32.69	138.5	31.36	132.5	30.06	126.2	27.35
	15	192.0	152.7	31.58	147.2	30.43	141.5	29.30	138.5	28.29	132.5	26.99	126.2	24.50
		240.0	152.3	31.46	147.0	30.30	141.5	29.17	138.5	28.19	132.5	26.76	126.2	24.38
		480.0	151.3	30.96	146.0	29.81	141.5	28.68	138.5	27.75	132.5	25.81	126.2	23.89
		600.0	152.3	30.50	146.3	29.37	141.5	28.19	138.5	27.25	132.5	25.81	126.2	23.89
		720.0	153.0	30.28	146.5	29.15	141.5	27.94	138.5	27.01	132.5	25.81	126.2	23.89
	20	192.0	153.5	26.66	147.8	25.88	141.5	24.99	138.5	23.99	132.5	23.18	126.2	21.75
		240.0	153.5	26.66	147.5	25.81	141.5	24.87	138.5	23.89	132.5	22.95	126.2	21.51
		480.0	152.8	26.66	146.3	25.51	141.5	24.38	138.5	23.44	132.5	22.00	126.2	20.57
		600.0	153.3	26.20	146.8	25.31	141.5	24.38	138.5	23.44	132.5	22.00	126.2	20.57
		720.0	153.5	25.98	147.0	25.22	141.5	24.38	138.5	23.44	132.5	22.00	126.2	20.57
	25	192.0	156.0	23.30	149.7	22.05	141.5	21.13	138.5	20.08	132.5	19.27	126.2	17.82
		240.0	156.5	23.25	149.7	22.00	141.5	21.01	138.5	20.08	132.5	19.14	126.2	17.70
		480.0	158.0	23.05	149.7	21.80	141.5	20.57	138.5	20.08	132.5	18.65	126.2	17.20
		600.0	158.5	22.44	149.7	21.31	141.5	20.57	138.5	19.59	132.5	18.65	126.2	17.20
		720.0	158.8	22.14	149.7	21.06	141.5	20.57	138.5	19.34	132.5	18.65	126.2	17.20
	30	192.0	158.5	21.13	149.7	19.69	141.5	18.26	138.5	17.82	132.5	16.83	126.2	15.28
		240.0	158.5	21.01	149.7	19.59	141.5	18.14	138.5	17.70	132.5	16.71	126.2	15.28
		480.0	158.5	20.57	149.7	19.14	141.5	17.70	138.5	17.20	132.5	16.27	126.2	15.28
		600.0	158.5	20.08	149.7	18.65	141.5	17.70	138.5	17.20	132.5	16.27	126.2	14.84
		720.0	158.5	19.83	149.7	18.38	141.5	17.70	138.5	17.20	132.5	16.27	126.2	14.60
	35	192.0	158.5	19.27	149.7	17.82	141.5	16.39	138.5	15.90	132.5	14.97	126.2	13.96
		240.0	158.5	19.14	149.7	17.70	141.5	16.27	138.5	15.78	132.5	14.84	126.2	13.84
		480.0	158.5	18.65	149.7	17.20	141.5	15.78	138.5	15.28	132.5	14.35	126.2	13.40
		600.0	158.5	18.14	149.7	16.71	141.5	15.28	138.5	14.84	132.5	14.35	126.2	13.40
		720.0	158.5	17.89	149.7	16.47	141.5	15.04	138.5	14.60	132.5	14.35	126.2	13.40
	40	192.0	158.5	17.94	149.7	16.39	141.5	14.47	138.5	13.96	132.5	13.52	126.2	12.53
		240.0	158.5	17.70	149.7	16.27	141.5	14.35	138.5	13.84	132.5	13.40	126.2	12.41
		480.0	158.5	16.71	149.7	15.78	141.5	13.84	138.5	13.40	132.5	12.90	126.2	11.97
		600.0	158.5	16.71	149.7	15.78	141.5	13.84	138.5	13.40	132.5	12.90	126.2	11.97
		720.0	158.5	16.71	149.7	15.78	141.5	13.84	138.5	13.40	132.5	12.90	126.2	11.97
	45	192.0	158.5	16.64	149.7	14.97	141.5	12.53	138.5	12.09	132.5	12.09	126.2	11.08
		240.0	158.5	16.27	149.7	14.84	141.5	12.41	138.5	11.97	132.5	11.97	126.2	10.98
		480.0	158.5	14.84	149.7	14.35	141.5	11.97	138.5	11.48	132.5	11.48	126.2	10.54
		600.0	158.5	15.28	149.7	14.84	141.5	12.41	138.5	11.97	132.5	11.48	126.2	10.54
		720.0	158.5	15.51	149.7	15.09	141.5	12.63	138.5	12.21	132.5	11.48	126.2	10.54
80	-5	192.0	56.5	20.13	53.0	19.36	50.2	18.53	49.5	17.91	49.3	17.08	48.3	15.73
		240.0	58.5	20.57	54.8	19.78	51.8	18.95	51.3	18.29	51.0	17.45	50.0	16.07
		480.0	66.0	22.34	62.0	21.46	58.5	20.52	58.0	19.83	57.7	18.95	56.5	17.40
		600.0	73.0	24.08	68.5	23.15	64.8	22.14	64.0	21.41	63.7	20.42	62.5	18.80
		720.0	76.7	24.95	71.7	23.99	67.8	22.98	67.0	22.22	66.8	21.16	65.3	19.49
	0	192.0	101.0	29.54	93.0	28.34	86.7	27.18	85.0	26.22	83.8	24.99	80.7	23.03
		240.0	101.5	29.61	93.5	28.43	87.2	27.25	85.5	26.30	84.5	25.07	81.2	23.10
		480.0	104.0	29.96	95.8	28.78	89.2	27.55	87.5	26.59	86.5	25.36	83.0	23.35
		600.0	105.5	29.96	97.3	28.78	90.7	27.55	89.0	26.59	87.8	25.36	84.5	23.35
		720.0	106.2	29.96	98.0	28.78	91.5	27.55	89.5	26.59	88.5	25.36	85.0	23.35
	5	192.0	139.5	32.12	131.7	30.89	126.0	29.51	123.2	28.53	118.0	27.21	112.0	25.04
		240.0	140.0	32.29	132.0	31.06	126.0	29.66	123.2	28.68	118.0	27.35	112.0	25.17
		480.0	141.0	32.98	133.0	31.65	126.2	30.30	123.2	29.27	118.0	27.89	112.0	25.71
		600.0	141.0	33.18	133.0	31.90	126.2	30.50	123.2	29.47	118.0	28.09	112.0	25.86
		720.0	141.0	33.28	132.8	32.02	126.2	30.62	123.2	29.57	118.0	28.19	112.0	25.93
	10	192.0	140.3	29.56	132.3	28.21	126.0	26.79	123.2	26.05	118.0	24.67	112.0	22.83
		240.0	140.5	29.52	132.5	28.19	126.0	26.81	123.2	26.05	118.0	24.67	112.0	22.85
		480.0	141.0	29.37	133.0	28.04	126.2	26.86	123.2	26.10	118.0	24.72	112.0	22.90
		600.0	141.0	29.27	133.0	28.14	126.2	26.96	123.2	25.95	118.0	24.58	112.0	22.76
		720.0	141.0	29.22	132.8	28.19	126.2	27.01	123.2	25.88	118.0	24.50	112.0	22.68
	15	192.0	141.0	26.99	133.0	25.56	126.2	23.99	123.2	23.57	118.0	22.12	112.0	20.69
		240.0	141.0	26.76	133.0	25.31	126.2	23.89	123.2	23.44	118.0	22.00	112.0	20.57
		480.0	141.0	25.81	133.0	24.38	126.2	23.44	123.2	22.95	118.0	21.51	112.0	20.08
		600.0	141.0	25.31	133.0	24.38	126.2	23.44	123.2	22.44	118.0	21.01	112.0	19.59
		720.0	141.0	25.07	133.0	24.38	126.2	23.44	123.2	22.19	118.0	20.77	112.0	19.34
	20	192.0	141.0	22.56	133.0	21.63	126.2	20.57	123.2	20.20	118.0	19.27	112.0	17.82
		240.0	141.0	22.44	133.0	21.51	126.2	20.57	123.2	20.08	118.0	19.14	112.0	17.70
		480.0	141.0	22.00	133.0	21.01	126.2	20.57	123.2	19.59	118.0	18.65	112.0	17.20
		600.0	141.0	21.51	133.0	20.57	126.2	20.08	123.2	19.59	118.0	18.14	112.0	17.20
		720.0	141.0	21.26	133.0	20.35	126.2	19.83	123.2	19.59	118.0	17.89	112.0	17.20
	25	192.0	141.0	20.20	133.0	18.77	126.2	17.70	123.2	17.33	118.0	16.39	112.0	15.39
		240.0	141.0	20.08	133.0	18.65	126.2	17.70	123.2	17.20	118.0	16.27	112.0	15.28
		480.0	141.0	19.59	133.0	18.14	126.2	17.70	123.2	16.71	118.0	15.78	112.0	14.84
		600.0	141.0	19.14	133.0	18.14	126.2	17.20	123.2	16.71	118.0	15.78	112.0	14.84
		720.0	141.0	18.92	133.0	18.14	126.2	16.96	123.2	16.71	118.0	15.78	112.0	14.84
	30	192.0	141.0	17.82	133.0	16.83	126.2	15.90	123.2	15.39	118.0	14.47	112.0	13.52
		240.0	141.0	17.70	133.0	16.71	126.2	15.78	123.2	15.28	118.0	14.35	112.0	13.40
		480.0	141.0	17.20	133.0	16.27	126.2	15.28	123.2	14.84	118.0	13.84	112.0	12.90
		600.0	141.0	17.20	133.0	16.27	126.2	15.28	123.2	14.84	118.0	13.84	112.0	12.90
		720.0	141.0	17.20	133.0	16.27	126.2	15.28	123.2	14.84	118.0	13.84	112.0	12.90

7. Capacity tables

Heating Capacity (50 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	35	192.0	141.0	16.39	133.0	15.39	126.2	13.96	123.2	13.40	118.0	13.03	112.0	11.97
		240.0	141.0	16.27	133.0	15.28	126.2	13.84	123.2	13.40	118.0	12.90	112.0	11.97
		480.0	141.0	15.78	133.0	14.84	126.2	13.40	123.2	13.40	118.0	12.41	112.0	11.97
		600.0	141.0	15.78	133.0	14.35	126.2	13.40	123.2	12.90	118.0	12.41	112.0	11.48
		720.0	141.0	15.78	133.0	14.08	126.2	13.40	123.2	12.66	118.0	12.41	112.0	11.23
	40	192.0	141.0	15.51	133.0	13.96	126.2	12.41	123.2	12.53	118.0	11.48	112.0	11.08
		240.0	141.0	15.28	133.0	13.84	126.2	12.41	123.2	12.41	118.0	11.48	112.0	10.98
		480.0	141.0	14.35	133.0	13.40	126.2	12.41	123.2	11.97	118.0	11.48	112.0	10.54
		600.0	141.0	14.35	133.0	13.40	126.2	11.97	123.2	11.97	118.0	11.48	112.0	10.54
		720.0	141.0	14.35	133.0	13.40	126.2	11.75	123.2	11.97	118.0	11.48	112.0	10.54
	45	192.0	141.0	14.70	133.0	12.53	126.2	10.86	123.2	11.70	118.0	9.91	112.0	10.27
		240.0	141.0	14.35	133.0	12.41	126.2	10.98	123.2	11.48	118.0	10.03	112.0	10.03
		480.0	141.0	12.90	133.0	11.97	126.2	11.48	123.2	10.54	118.0	10.54	112.0	9.09
		600.0	141.0	12.90	133.0	12.41	126.2	10.54	123.2	10.98	118.0	10.54	112.0	9.54
		720.0	141.0	12.90	133.0	12.63	126.2	10.05	123.2	11.21	118.0	10.54	112.0	9.76
70	-5	192.0	49.3	17.28	46.3	16.44	43.8	15.92	43.3	15.01	43.0	14.47	42.3	13.17
		240.0	51.0	17.65	48.0	16.81	45.3	16.27	44.8	15.33	44.5	14.79	43.8	13.44
		480.0	57.7	19.14	54.2	18.24	51.2	17.65	50.7	16.61	50.5	16.02	49.5	14.60
		600.0	64.0	20.67	60.0	19.68	56.5	19.04	56.0	17.89	55.7	17.30	54.7	15.73
		720.0	67.0	21.43	62.8	20.40	59.3	19.73	58.8	18.55	58.3	17.96	57.2	16.29
	0	192.0	88.3	25.29	81.5	24.11	75.7	23.32	74.5	21.95	73.3	21.21	70.7	19.29
		240.0	88.8	25.36	82.0	24.18	76.2	23.39	74.8	22.00	73.7	21.26	71.0	19.34
		480.0	90.8	25.66	84.0	24.43	78.0	23.69	76.7	22.24	75.5	21.51	72.7	19.54
		600.0	92.2	25.66	85.3	24.43	79.0	23.69	77.8	22.24	76.7	21.51	73.8	19.54
		720.0	92.8	25.66	86.0	24.43	79.7	23.69	78.5	22.24	77.2	21.51	74.5	19.54
	5	192.0	122.0	27.55	115.5	26.22	110.0	25.39	107.7	23.91	102.8	23.07	98.0	20.96
		240.0	122.2	27.70	115.7	26.35	110.0	25.51	107.7	24.03	102.8	23.20	98.0	21.06
		480.0	123.2	28.24	116.5	26.91	110.2	26.05	107.7	24.48	102.8	23.69	98.0	21.51
		600.0	123.2	28.43	116.5	27.11	110.2	26.25	107.7	24.67	102.8	23.84	98.0	21.65
		720.0	123.2	28.53	116.5	27.20	110.2	26.35	107.7	24.77	102.8	23.91	98.0	21.73
	10	192.0	122.5	25.36	116.0	23.99	110.2	23.10	107.7	21.80	102.8	20.91	98.0	19.14
		240.0	122.7	25.31	116.0	23.94	110.2	23.05	107.7	21.80	102.8	20.91	98.0	19.14
		480.0	123.2	25.12	116.5	23.74	110.2	22.85	107.7	21.80	102.8	20.91	98.0	19.14
		600.0	123.2	25.22	116.5	23.84	110.2	22.95	107.7	21.90	102.8	20.77	98.0	19.19
		720.0	123.2	25.26	116.5	23.89	110.2	23.00	107.7	21.95	102.8	20.69	98.0	19.22
	15	192.0	123.2	23.18	116.5	21.75	110.2	20.82	107.7	19.69	102.8	18.77	98.0	17.33
		240.0	123.2	22.95	116.5	21.51	110.2	20.57	107.7	19.59	102.8	18.65	98.0	17.20
		480.0	123.2	22.00	116.5	20.57	110.2	19.59	107.7	19.14	102.8	18.14	98.0	16.71
		600.0	123.2	22.00	116.5	20.57	110.2	19.59	107.7	19.14	102.8	17.70	98.0	16.71
		720.0	123.2	22.00	116.5	20.57	110.2	19.59	107.7	19.14	102.8	17.47	98.0	16.71
	20	192.0	123.2	19.27	116.5	18.26	110.2	17.82	107.7	17.33	102.8	16.39	98.0	15.39
		240.0	123.2	19.14	116.5	18.14	110.2	17.70	107.7	17.20	102.8	16.27	98.0	15.28
		480.0	123.2	18.65	116.5	17.70	110.2	17.20	107.7	16.71	102.8	15.78	98.0	14.84
		600.0	123.2	18.65	116.5	17.70	110.2	17.20	107.7	16.27	102.8	15.78	98.0	14.35
		720.0	123.2	18.65	116.5	17.70	110.2	17.20	107.7	16.05	102.8	15.78	98.0	14.08
	25	192.0	123.2	17.33	116.5	16.39	110.2	15.39	107.7	14.97	102.8	13.84	98.0	12.90
		240.0	123.2	17.20	116.5	16.27	110.2	15.28	107.7	14.84	102.8	13.84	98.0	12.90
		480.0	123.2	16.71	116.5	15.78	110.2	14.84	107.7	14.35	102.8	13.84	98.0	12.90
		600.0	123.2	16.27	116.5	15.28	110.2	14.84	107.7	14.35	102.8	13.40	98.0	12.90
		720.0	123.2	16.05	116.5	15.04	110.2	14.84	107.7	14.35	102.8	13.17	98.0	12.90
	30	192.0	123.2	15.39	116.5	14.47	110.2	13.52	107.7	12.90	102.8	12.53	98.0	11.48
		240.0	123.2	15.28	116.5	14.35	110.2	13.40	107.7	12.90	102.8	12.41	98.0	11.48
		480.0	123.2	14.84	116.5	13.84	110.2	12.90	107.7	12.90	102.8	11.97	98.0	11.48
		600.0	123.2	14.84	116.5	13.84	110.2	12.90	107.7	12.41	102.8	11.97	98.0	11.48
		720.0	123.2	14.84	116.5	13.84	110.2	12.90	107.7	12.16	102.8	11.97	98.0	11.48
	35	192.0	123.2	13.96	116.5	13.03	110.2	11.97	107.7	12.09	102.8	10.98	98.0	10.66
		240.0	123.2	13.84	116.5	12.90	110.2	11.97	107.7	11.97	102.8	10.98	98.0	10.54
		480.0	123.2	13.40	116.5	12.41	110.2	11.97	107.7	11.48	102.8	10.98	98.0	10.03
		600.0	123.2	13.40	116.5	12.41	110.2	11.48	107.7	11.48	102.8	10.98	98.0	10.03
		720.0	123.2	13.40	116.5	12.41	110.2	11.23	107.7	11.48	102.8	10.98	98.0	10.03
	40	192.0	123.2	13.03	116.5	12.09	110.2	11.08	107.7	10.54	102.8	10.03	98.0	9.66
		240.0	123.2	12.90	116.5	11.97	110.2	10.98	107.7	10.54	102.8	10.03	98.0	9.54
		480.0	123.2	12.41	116.5	11.48	110.2	10.54	107.7	10.54	102.8	10.03	98.0	9.09
		600.0	123.2	12.41	116.5	11.48	110.2	10.54	107.7	10.03	102.8	9.54	98.0	9.09
		720.0	123.2	12.41	116.5	11.48	110.2	10.54	107.7	9.78	102.8	9.29	98.0	9.09
	45	192.0	123.2	12.09	116.5	11.08	110.2	10.27	107.7	8.99	102.8	9.09	98.0	8.73
		240.0	123.2	11.97	116.5	10.98	110.2	10.03	107.7	9.09	102.8	9.09	98.0	8.60
		480.0	123.2	11.48	116.5	10.54	110.2	9.09	107.7	9.54	102.8	9.09	98.0	8.11
		600.0	123.2	11.48	116.5	10.54	110.2	9.54	107.7	8.60	102.8	8.11	98.0	8.11
		720.0	123.2	11.48	116.5	10.54	110.2	9.76	107.7	8.13	102.8	7.62	98.0	8.11
60	-5	192.0	42.3	14.03	39.7	13.49	37.5	12.97	37.0	12.04	37.0	11.85	36.2	10.59
		240.0	43.8	14.35	41.0	13.79	38.8	13.25	38.5	12.31	38.2	12.12	37.5	10.84
		480.0	49.7	15.58	46.5	14.99	44.0	14.40	43.5	13.35	43.3	13.15	42.5	11.77
		600.0	54.8	16.76	51.3	16.17	48.7	15.53	48.0	14.45	48.0	14.18	47.0	12.66
		720.0	57.5	17.35	53.7	16.76	51.0	16.10	50.3	14.99	50.2	14.72	49.0	13.10
	0	192.0	75.7	20.55	69.8	19.83	65.0	18.97	63.8	17.65	63.0	17.40	60.5	15.53
		240.0	76.2	20.62	70.2	19.88	65.5	19.04	64.2	17.70	63.3	17.45	61.0	15.58
		480.0	78.0	20.87	71.8	20.08	67.0	19.29	65.7	17.89	64.8	17.65	62.3	15.73
		600.0	79.0	20.87	73.0	20.08	68.2	19.29	66.7	17.89	65.8	17.65	63.3	15.73
		720.0	79.7	20.87	73.5	20.08	68.7	19.29	67.2	17.89	66.3	17.65	63.8	15.73

7. Capacity tables

Heating Capacity (50 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	5	192.0	104.7	22.39	98.7	21.55	94.7	20.65	92.3	19.24	88.3	18.95	84.0	16.88
		240.0	105.0	22.49	99.0	21.65	94.7	20.77	92.3	19.34	88.3	19.04	84.0	16.96
		480.0	105.8	22.95	99.7	22.10	94.7	21.21	92.3	19.73	88.3	19.44	84.0	17.30
		600.0	105.8	23.15	99.5	22.24	94.7	21.36	92.3	19.88	88.3	19.54	84.0	17.45
		720.0	105.8	23.25	99.5	22.32	94.7	21.43	92.3	19.96	88.3	19.59	84.0	17.52
	10	192.0	105.2	20.57	99.0	19.68	94.7	18.75	92.3	17.50	88.3	17.18	84.0	15.39
		240.0	105.3	20.57	99.2	19.68	94.7	18.75	92.3	17.55	88.3	17.15	84.0	15.43
		480.0	105.8	20.57	99.7	19.68	94.7	18.75	92.3	17.75	88.3	17.11	84.0	15.58
		600.0	105.8	20.62	99.5	19.49	94.7	18.55	92.3	17.55	88.3	16.96	84.0	15.43
		720.0	105.8	20.64	99.5	19.39	94.7	18.43	92.3	17.45	88.3	16.88	84.0	15.36
	15	192.0	105.8	18.77	99.5	17.82	94.7	16.83	92.3	15.78	88.3	15.39	84.0	13.84
		240.0	105.8	18.65	99.5	17.70	94.7	16.71	92.3	15.78	88.3	15.28	84.0	13.84
		480.0	105.8	18.14	99.5	17.20	94.7	16.27	92.3	15.78	88.3	14.84	84.0	13.84
		600.0	105.8	18.14	99.5	16.71	94.7	15.78	92.3	15.28	88.3	14.35	84.0	13.40
		720.0	105.8	18.14	99.5	16.47	94.7	15.53	92.3	15.04	88.3	14.08	84.0	13.17
	20	192.0	105.8	16.39	99.5	15.39	94.7	14.47	92.3	13.96	88.3	13.52	84.0	12.53
		240.0	105.8	16.27	99.5	15.28	94.7	14.35	92.3	13.84	88.3	13.40	84.0	12.41
		480.0	105.8	15.78	99.5	14.84	94.7	13.84	92.3	13.40	88.3	12.90	84.0	11.97
		600.0	105.8	15.78	99.5	14.84	94.7	13.84	92.3	13.40	88.3	12.90	84.0	11.97
		720.0	105.8	15.78	99.5	14.84	94.7	13.84	92.3	13.40	88.3	12.90	84.0	11.97
	25	192.0	105.8	14.47	99.5	13.52	94.7	12.41	92.3	12.53	88.3	11.48	84.0	11.08
		240.0	105.8	14.35	99.5	13.40	94.7	12.41	92.3	12.41	88.3	11.48	84.0	10.98
		480.0	105.8	13.84	99.5	12.90	94.7	12.41	92.3	11.97	88.3	11.48	84.0	10.54
		600.0	105.8	13.84	99.5	12.90	94.7	11.97	92.3	11.97	88.3	11.48	84.0	10.54
		720.0	105.8	13.84	99.5	12.90	94.7	11.75	92.3	11.97	88.3	11.48	84.0	10.54
	30	192.0	105.8	13.03	99.5	12.09	94.7	11.60	92.3	11.08	88.3	10.66	84.0	10.17
		240.0	105.8	12.90	99.5	11.97	94.7	11.48	92.3	10.98	88.3	10.54	84.0	10.03
		480.0	105.8	12.41	99.5	11.48	94.7	10.98	92.3	10.54	88.3	10.03	84.0	9.54
		600.0	105.8	12.41	99.5	11.48	94.7	10.98	92.3	10.54	88.3	10.03	84.0	9.54
		720.0	105.8	12.41	99.5	11.48	94.7	10.98	92.3	10.54	88.3	10.03	84.0	9.54
	35	192.0	105.8	11.48	99.5	11.08	94.7	10.03	92.3	10.17	88.3	9.66	84.0	9.22
		240.0	105.8	11.48	99.5	10.98	94.7	10.03	92.3	10.03	88.3	9.54	84.0	9.09
		480.0	105.8	11.48	99.5	10.54	94.7	10.03	92.3	9.54	88.3	9.09	84.0	8.60
		600.0	105.8	11.48	99.5	10.54	94.7	9.54	92.3	9.54	88.3	9.09	84.0	8.60
		720.0	105.8	11.48	99.5	10.54	94.7	9.29	92.3	9.54	88.3	9.09	84.0	8.60
	40	192.0	105.8	10.54	99.5	10.17	94.7	9.09	92.3	9.22	88.3	8.73	84.0	8.11
		240.0	105.8	10.54	99.5	10.03	94.7	9.09	92.3	9.09	88.3	8.60	84.0	8.11
		480.0	105.8	10.54	99.5	9.54	94.7	9.09	92.3	8.60	88.3	8.11	84.0	8.11
		600.0	105.8	10.54	99.5	9.54	94.7	9.09	92.3	8.60	88.3	8.11	84.0	8.11
		720.0	105.8	10.54	99.5	9.54	94.7	9.09	92.3	8.60	88.3	8.11	84.0	8.11
	45	192.0	105.8	9.54	99.5	9.22	94.7	8.11	92.3	8.23	88.3	7.79	84.0	7.05
		240.0	105.8	9.54	99.5	9.09	94.7	8.11	92.3	8.11	88.3	7.67	84.0	7.18
		480.0	105.8	9.54	99.5	8.60	94.7	8.11	92.3	7.67	88.3	7.18	84.0	7.67
		600.0	105.8	9.54	99.5	8.60	94.7	8.60	92.3	7.67	88.3	7.18	84.0	7.67
		720.0	105.8	9.54	99.5	8.60	94.7	8.85	92.3	7.67	88.3	7.18	84.0	7.67
50	-5	192.0	35.3	11.18	33.2	10.59	31.3	10.03	30.8	9.49	30.7	8.90	30.2	8.43
		240.0	36.5	11.43	34.3	10.84	32.5	10.23	32.0	9.68	31.8	9.09	31.2	8.60
		480.0	41.2	12.36	38.7	11.77	36.7	11.08	36.2	10.54	36.0	9.88	35.3	9.29
		600.0	45.5	13.35	42.8	12.66	40.5	11.97	40.0	11.38	39.7	10.64	39.0	10.03
		720.0	47.8	13.86	44.8	13.10	42.3	12.41	42.0	11.80	41.5	11.01	41.0	10.42
	0	192.0	63.0	16.37	58.3	15.53	54.2	14.65	53.0	13.89	52.3	13.07	50.5	12.31
		240.0	63.3	16.42	58.5	15.58	54.5	14.69	53.3	13.94	52.5	13.10	50.7	12.36
		480.0	64.8	16.56	60.0	15.73	55.8	14.89	54.7	14.13	54.0	13.25	51.8	12.51
		600.0	65.8	16.56	60.8	15.73	56.5	14.89	55.5	14.13	54.7	13.25	52.7	12.51
		720.0	66.3	16.56	61.2	15.73	57.0	14.89	56.0	14.13	55.0	13.25	53.2	12.51
	5	192.0	87.0	17.82	82.5	16.88	78.7	15.93	76.8	15.16	73.5	14.23	70.0	13.37
		240.0	87.2	17.89	82.7	16.96	78.7	16.02	76.8	15.24	73.5	14.28	70.0	13.44
		480.0	88.0	18.24	83.2	17.30	78.8	16.37	76.8	15.53	73.5	14.55	70.0	13.74
		600.0	88.0	18.38	83.0	17.45	78.8	16.47	76.8	15.63	73.5	14.69	70.0	13.84
		720.0	88.0	18.48	83.0	17.52	78.8	16.52	76.8	15.68	73.5	14.77	70.0	13.89
	10	192.0	87.5	16.39	82.7	15.43	78.7	14.52	76.8	13.86	73.5	12.83	70.0	12.24
		240.0	87.5	16.37	82.8	15.43	78.7	14.50	76.8	13.84	73.5	12.85	70.0	12.21
		480.0	88.0	16.27	83.2	15.38	78.8	14.40	76.8	13.74	73.5	13.00	70.0	12.12
		600.0	88.0	16.37	83.0	15.43	78.8	14.45	76.8	13.79	73.5	12.80	70.0	12.16
		720.0	88.0	16.42	83.0	15.46	78.8	14.47	76.8	13.81	73.5	12.71	70.0	12.19
	15	192.0	88.0	14.97	83.0	13.96	78.8	13.03	76.8	12.53	73.5	11.48	70.0	11.08
		240.0	88.0	14.84	83.0	13.84	78.8	12.90	76.8	12.41	73.5	11.48	70.0	10.98
		480.0	88.0	14.35	83.0	13.40	78.8	12.41	76.8	11.97	73.5	11.48	70.0	10.54
		600.0	88.0	14.35	83.0	13.40	78.8	12.41	76.8	11.97	73.5	10.98	70.0	10.54
		720.0	88.0	14.35	83.0	13.40	78.8	12.41	76.8	11.97	73.5	10.74	70.0	10.54
	20	192.0	88.0	13.03	83.0	12.09	78.8	11.60	76.8	11.08	73.5	10.66	70.0	9.54
		240.0	88.0	12.90	83.0	11.97	78.8	11.48	76.8	10.98	73.5	10.54	70.0	9.54
		480.0	88.0	12.41	83.0	11.48	78.8	10.98	76.8	10.54	73.5	10.03	70.0	9.54
		600.0	88.0	12.41	83.0	11.48	78.8	10.98	76.8	10.54	73.5	10.03	70.0	9.54
		720.0	88.0	12.41	83.0	11.48	78.8	10.98	76.8	10.54	73.5	10.03	70.0	9.54
	25	192.0	88.0	11.60	83.0	10.54	78.8	10.17	76.8	9.54	73.5	9.09	70.0	8.60
		240.0	88.0	11.48	83.0	10.54	78.8	10.03	76.8	9.54	73.5	9.09	70.0	8.60
		480.0	88.0	10.98	83.0	10.54	78.8	9.54	76.8	9.54	73.5	9.09	70.0	8.60
		600.0	88.0	10.98	83.0	10.54	78.8	9.54	76.8	9.54	73.5	9.09	70.0	8.60
		720.0	88.0	10.98	83.0	10.54	78.8	9.54	76.8	9.54	73.5	9.09	70.0	8.60

7. Capacity tables

Heating Capacity (50 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	30	192.0	88.0	10.66	83.0	9.66	78.8	9.22	76.8	8.60	73.5	8.73	70.0	8.23
		240.0	88.0	10.54	83.0	9.54	78.8	9.09	76.8	8.60	73.5	8.60	70.0	8.11
		480.0	88.0	10.03	83.0	9.09	78.8	8.60	76.8	8.60	73.5	8.11	70.0	7.67
		600.0	88.0	10.03	83.0	9.09	78.8	8.60	76.8	8.60	73.5	8.11	70.0	7.67
		720.0	88.0	10.03	83.0	9.09	78.8	8.60	76.8	8.60	73.5	8.11	70.0	7.67
	35	192.0	88.0	9.66	83.0	8.60	78.8	8.11	76.8	8.23	73.5	7.67	70.0	7.18
		240.0	88.0	9.54	83.0	8.60	78.8	8.11	76.8	8.11	73.5	7.67	70.0	7.18
		480.0	88.0	9.09	83.0	8.60	78.8	8.11	76.8	7.67	73.5	7.67	70.0	7.18
		600.0	88.0	9.09	83.0	8.60	78.8	8.11	76.8	7.67	73.5	7.67	70.0	7.18
		720.0	88.0	9.09	83.0	8.60	78.8	8.11	76.8	7.67	73.5	7.67	70.0	7.18
	40	192.0	88.0	8.73	83.0	8.23	78.8	7.79	76.8	7.18	73.5	7.30	70.0	6.68
		240.0	88.0	8.60	83.0	8.11	78.8	7.67	76.8	7.18	73.5	7.18	70.0	6.68
		480.0	88.0	8.11	83.0	7.67	78.8	7.18	76.8	7.18	73.5	6.68	70.0	6.68
		600.0	88.0	8.11	83.0	7.67	78.8	7.18	76.8	7.18	73.5	6.68	70.0	6.68
		720.0	88.0	8.11	83.0	7.67	78.8	7.18	76.8	7.18	73.5	6.68	70.0	6.68
	45	192.0	88.0	7.79	83.0	7.91	78.8	7.40	76.8	6.12	73.5	6.91	70.0	6.24
		240.0	88.0	7.67	83.0	7.67	78.8	7.18	76.8	6.24	73.5	6.68	70.0	6.24
		480.0	88.0	7.18	83.0	6.68	78.8	6.24	76.8	6.68	73.5	5.73	70.0	6.24
		600.0	88.0	7.18	83.0	6.68	78.8	6.24	76.8	6.68	73.5	5.73	70.0	6.24
		720.0	88.0	7.18	83.0	6.68	78.8	6.24	76.8	6.68	73.5	5.73	70.0	6.24

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ RWN540LSA4

Heating Capacity (54 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (54 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (54 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (54 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (54 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (54 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (54 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB600LSA4

Heating Capacity (60 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (60 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (60 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (60 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (60 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (60 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (60 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

7.2.4 4 Units Combination

◆ ARWB620LSA4

Heating Capacity (62 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	238.4	92.4	37.40	91.7	35.22	91.2	32.78	89.9	31.82	91.0	30.97	88.4	27.78
		298.0	95.5	38.05	94.8	35.89	94.3	33.50	93.0	32.50	94.2	31.64	91.5	28.39
		596.0	108.1	40.64	107.2	38.61	106.7	36.32	105.2	35.28	106.3	34.30	103.8	30.78
		745.1	119.6	43.21	118.4	41.25	117.8	39.17	116.3	38.10	117.8	37.00	114.7	33.19
		894.0	125.3	44.53	124.0	42.59	123.3	40.58	121.8	39.54	123.4	38.37	120.2	34.40
	0	238.4	165.0	51.14	161.2	49.63	157.8	48.01	154.4	46.66	155.0	45.38	147.9	40.64
		298.0	166.1	51.28	162.1	49.75	158.8	48.14	155.3	46.79	155.9	45.50	148.8	40.76
		596.0	170.1	51.84	165.9	50.24	162.5	48.71	159.0	47.34	159.6	45.99	152.5	41.25
		745.1	172.7	51.84	168.3	50.24	164.9	48.71	161.2	47.34	161.9	45.99	154.6	41.25
		894.0	173.9	51.84	169.6	50.24	166.2	48.71	162.5	47.34	163.0	45.99	155.7	41.25
	5	238.4	237.8	54.99	234.1	53.62	229.2	52.27	223.5	50.77	217.4	49.39	205.5	44.22
		298.0	238.5	55.24	234.7	53.89	229.4	52.52	223.5	51.04	217.4	49.63	205.5	44.46
		596.0	241.8	56.21	236.2	54.86	229.4	53.58	223.5	52.09	217.4	50.61	205.5	45.38
		745.1	243.3	56.58	236.9	55.24	229.4	53.94	223.5	52.45	217.4	50.98	205.5	45.68
		894.0	244.0	56.77	237.2	55.42	229.4	54.13	223.5	52.63	217.4	51.17	205.5	45.84
	10	238.4	238.0	50.03	234.1	48.35	228.5	47.43	222.6	46.38	216.7	44.80	204.6	40.42
		298.0	239.4	49.93	235.3	48.38	229.4	47.52	223.5	46.36	217.4	44.76	205.5	40.39
		596.0	245.1	49.57	239.6	48.58	233.1	47.89	227.2	46.30	220.7	44.64	208.6	40.27
		745.1	246.4	50.24	241.2	49.26	234.7	48.08	228.1	46.49	222.3	45.38	209.9	42.17
		894.0	247.1	50.58	242.1	49.60	235.3	48.17	228.7	46.58	222.9	45.75	210.8	43.14
	15	238.4	238.4	45.08	234.3	43.17	227.6	42.69	221.6	41.99	215.7	40.21	203.7	36.63
		298.0	240.3	44.64	236.0	42.96	229.4	42.60	223.5	41.68	217.4	39.90	205.5	36.32
		596.0	248.2	42.84	243.1	42.23	236.8	42.23	230.7	40.45	224.1	38.68	212.1	35.10
		745.1	249.5	43.90	245.5	43.21	239.6	42.23	233.1	40.45	227.2	39.78	214.5	38.68
		894.0	250.2	44.43	246.7	43.72	241.1	42.23	234.3	40.45	228.7	40.33	215.8	40.46
	20	238.4	247.4	41.36	243.0	39.44	236.5	38.59	230.0	37.33	223.2	36.50	210.1	35.40
		298.0	249.5	41.07	244.9	39.41	238.4	38.55	231.8	37.49	225.4	36.75	212.1	35.10
		596.0	257.3	39.90	252.7	39.29	245.6	38.43	239.0	38.10	233.1	37.73	219.8	33.93
		745.1	258.2	39.90	254.5	39.29	248.6	38.68	241.5	38.10	234.9	37.73	221.6	36.07
		894.0	258.9	39.90	255.5	39.29	250.0	38.79	242.7	38.10	235.8	37.73	222.6	37.17
	25	238.4	261.3	39.44	254.5	38.30	248.6	37.64	243.8	37.02	238.4	36.48	224.7	34.09
		298.0	261.3	39.29	254.5	38.23	248.6	37.49	243.8	36.88	238.4	36.32	224.7	33.93
		596.0	261.3	38.68	254.5	37.98	248.6	36.88	243.8	36.32	238.4	35.71	224.7	33.32
		745.1	261.3	38.10	254.5	37.00	248.6	36.32	243.8	35.71	238.4	35.10	224.7	32.74
		894.0	261.3	37.83	254.5	36.50	248.6	36.05	243.8	35.40	238.4	34.79	224.7	32.47
	30	238.4	261.3	38.43	254.5	36.50	248.6	36.17	243.8	35.22	238.4	34.85	224.7	32.43
		298.0	261.3	38.10	254.5	36.45	248.6	35.96	243.8	35.10	238.4	34.54	224.7	32.13
		596.0	261.3	36.88	254.5	36.20	248.6	35.10	243.8	34.54	238.4	33.32	224.7	30.97
		745.1	261.3	36.32	254.5	35.22	248.6	34.54	243.8	33.93	238.4	33.32	224.7	30.97
		894.0	261.3	36.05	254.5	34.72	248.6	34.27	243.8	33.62	238.4	33.32	224.7	30.97
	35	238.4	261.3	36.63	254.5	35.43	248.6	34.70	243.8	33.44	238.4	32.29	224.7	30.02
		298.0	261.3	36.32	254.5	35.22	248.6	34.54	243.8	33.32	238.4	32.13	224.7	29.74
		596.0	261.3	35.10	254.5	34.42	248.6	33.93	243.8	32.74	238.4	31.52	224.7	28.58
		745.1	261.3	35.10	254.5	34.05	248.6	33.32	243.8	32.13	238.4	30.97	224.7	28.58
		894.0	261.3	35.10	254.5	33.87	248.6	32.99	243.8	31.82	238.4	30.69	224.7	28.58
	40	238.4	261.3	35.40	254.5	34.27	248.6	33.60	243.8	32.43	238.4	31.28	224.7	28.24
		298.0	261.3	35.10	254.5	34.05	248.6	33.32	243.8	32.13	238.4	30.97	224.7	27.95
		596.0	261.3	33.93	254.5	33.19	248.6	32.13	243.8	30.97	238.4	29.74	224.7	26.78
		745.1	261.3	33.32	254.5	32.63	248.6	32.13	243.8	30.97	238.4	29.74	224.7	26.78
		894.0	261.3	32.99	254.5	32.35	248.6	32.13	243.8	30.97	238.4	29.74	224.7	26.78
	45	238.4	261.3	34.21	254.5	33.10	248.6	32.59	243.8	31.43	238.4	30.20	224.7	26.46
		298.0	261.3	33.93	254.5	32.87	248.6	32.13	243.8	30.97	238.4	29.74	224.7	26.17
		596.0	261.3	32.74	254.5	32.01	248.6	30.35	243.8	29.19	238.4	27.95	224.7	25.00
		745.1	261.3	31.52	254.5	31.21	248.6	30.97	243.8	29.74	238.4	28.58	224.7	25.00
		894.0	261.3	30.90	254.5	30.81	248.6	31.28	243.8	30.02	238.4	28.89	224.7	25.00
120	-5	238.4	87.7	37.40	87.1	35.22	86.6	32.78	85.5	31.39	86.2	30.48	84.0	27.29
		298.0	90.8	38.05	90.1	35.89	89.6	33.50	88.4	32.07	89.2	31.15	86.8	27.88
		596.0	102.9	40.64	102.0	38.61	101.4	36.32	100.1	34.79	101.0	33.81	98.3	30.29
		745.1	113.5	43.21	112.5	41.25	111.9	39.17	110.7	37.55	111.6	36.45	108.5	32.63
		894.0	119.0	44.53	118.1	42.59	117.2	40.58	116.0	38.95	116.9	37.78	113.5	33.82
	0	238.4	156.9	51.14	153.2	49.63	149.7	48.01	146.9	45.97	146.9	44.71	140.1	39.96
		298.0	157.8	51.28	154.1	49.75	150.7	48.14	147.7	46.11	147.7	44.82	141.0	40.08
		596.0	161.5	51.84	157.7	50.24	154.4	48.71	151.2	46.67	151.2	45.32	144.4	40.57
		745.1	164.0	51.84	160.3	50.24	156.8	48.71	153.5	46.67	153.4	45.32	146.6	40.57
		894.0	165.2	51.84	161.5	50.24	158.1	48.71	154.7	46.67	154.4	45.32	147.7	40.57
	5	238.4	226.3	54.99	222.9	53.62	217.9	52.27	212.7	50.04	206.1	48.63	194.7	43.55
		298.0	227.2	55.24	223.2	53.89	217.9	52.52	212.7	50.31	206.1	48.89	194.7	43.79
		596.0	230.3	56.21	225.0	54.86	217.9	53.58	212.7	51.35	206.1	49.88	194.7	44.64
		745.1	231.6	56.58	223.6	55.24	217.9	53.94	212.7	51.71	206.1	50.24	194.7	44.95
		894.0	232.2	56.77	223.0	55.42	217.9	54.13	212.7	51.90	206.1	50.43	194.7	45.10

7. Capacity tables

Heating Capacity (62 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	10	238.4	227.2	49.39	222.9	48.02	217.4	47.05	212.1	45.63	205.5	44.12	194.4	39.66
		298.0	228.1	49.57	223.8	48.20	217.9	47.21	212.7	45.68	206.1	44.09	194.7	39.72
		596.0	232.5	50.24	227.5	48.96	220.4	47.89	215.2	45.93	208.3	43.97	196.8	39.90
		745.1	233.7	50.06	226.7	48.96	221.4	48.08	216.1	46.11	209.2	44.15	197.7	41.25
		894.0	234.3	49.97	226.3	48.96	221.7	48.17	216.4	46.20	209.5	44.24	198.1	41.92
	15	238.4	227.8	43.81	223.2	42.51	216.7	41.85	211.5	41.22	204.9	39.56	193.7	35.87
		298.0	229.1	43.90	224.5	42.60	217.9	41.92	212.7	41.07	206.1	39.29	194.7	35.71
		596.0	234.3	44.28	230.0	42.96	222.9	42.23	217.4	40.45	210.2	38.10	199.0	35.10
		745.1	235.6	43.60	229.8	42.60	224.7	42.23	219.2	40.45	212.1	38.10	200.8	37.49
		894.0	236.3	43.24	229.7	42.42	225.7	42.23	220.1	40.45	213.0	38.10	201.7	38.71
	20	238.4	234.1	39.41	229.7	37.73	222.8	36.72	216.7	36.20	209.5	35.74	198.4	33.93
		298.0	235.6	39.41	231.0	37.85	224.1	36.88	217.9	36.32	210.8	35.71	199.3	33.81
		596.0	241.6	39.41	236.5	38.43	228.8	37.49	223.5	36.88	216.1	35.59	204.2	33.32
		745.1	242.7	39.04	236.3	38.10	230.7	37.49	224.7	36.88	217.4	35.71	205.5	34.54
		894.0	243.3	38.86	236.3	37.94	231.6	37.49	225.4	36.88	218.1	35.77	206.1	35.16
	25	238.4	245.5	37.27	238.4	35.53	230.7	34.85	225.7	34.09	219.8	33.44	207.7	31.12
		298.0	245.6	37.12	238.4	35.46	230.7	34.79	225.7	33.93	219.8	33.32	207.7	30.97
		596.0	246.2	36.57	238.4	35.22	230.7	34.54	225.7	33.32	219.8	32.74	207.7	30.35
		745.1	246.9	35.22	238.4	34.30	230.7	33.93	225.7	33.32	219.8	32.13	207.7	30.35
		894.0	247.3	34.54	238.4	33.84	230.7	33.62	225.7	33.32	219.8	31.82	207.7	30.35
	30	238.4	246.9	35.64	238.4	33.87	230.7	32.92	225.7	31.66	219.8	31.28	207.7	28.73
		298.0	246.9	35.35	238.4	33.69	230.7	32.74	225.7	31.52	219.8	30.97	207.7	28.58
		596.0	246.9	34.18	238.4	32.87	230.7	32.13	225.7	30.97	219.8	29.74	207.7	27.95
		745.1	246.9	33.05	238.4	32.13	230.7	31.52	225.7	30.97	219.8	29.74	207.7	27.39
		894.0	246.9	32.50	238.4	31.77	230.7	31.21	225.7	30.97	219.8	29.74	207.7	27.11
	35	238.4	246.9	34.03	238.4	32.19	230.7	31.28	225.7	30.02	219.8	28.85	207.7	26.31
		298.0	246.9	33.57	238.4	31.89	230.7	30.97	225.7	29.74	219.8	28.58	207.7	26.17
		596.0	246.9	31.64	238.4	30.72	230.7	29.74	225.7	28.58	219.8	27.39	207.7	25.61
		745.1	246.9	31.28	238.4	30.47	230.7	29.74	225.7	28.58	219.8	27.39	207.7	25.00
		894.0	246.9	31.09	238.4	30.35	230.7	29.74	225.7	28.58	219.8	27.39	207.7	24.69
	40	238.4	246.9	33.02	238.4	30.72	230.7	29.50	225.7	28.24	219.8	27.08	207.7	24.51
		298.0	246.9	32.38	238.4	30.35	230.7	29.19	225.7	27.95	219.8	26.78	207.7	24.39
		596.0	246.9	29.86	238.4	28.94	230.7	27.95	225.7	26.78	219.8	25.61	207.7	23.83
		745.1	246.9	29.50	238.4	28.58	230.7	27.95	225.7	26.78	219.8	25.61	207.7	23.22
		894.0	246.9	29.31	238.4	28.39	230.7	27.95	225.7	26.78	219.8	25.61	207.7	22.89
	45	238.4	246.9	32.00	238.4	29.23	230.7	27.72	225.7	26.46	219.8	25.30	207.7	22.73
		298.0	246.9	31.21	238.4	28.82	230.7	27.39	225.7	26.17	219.8	25.00	207.7	22.59
		596.0	246.9	28.08	238.4	27.14	230.7	26.17	225.7	25.00	219.8	23.83	207.7	22.03
		745.1	246.9	27.70	238.4	26.66	230.7	26.17	225.7	25.00	219.8	23.83	207.7	21.42
		894.0	246.9	27.52	238.4	26.41	230.7	26.17	225.7	25.00	219.8	23.83	207.7	21.11
110	-5	238.4	83.1	37.89	82.5	35.22	82.1	32.78	81.2	31.39	81.3	30.48	79.7	27.29
		298.0	85.9	38.55	85.3	35.89	84.9	33.50	84.0	32.07	84.1	31.15	82.2	27.88
		596.0	97.2	41.13	96.7	38.61	96.1	36.32	95.2	34.79	95.2	33.81	93.2	30.29
		745.1	107.3	43.79	106.7	41.25	106.1	39.17	105.0	37.55	105.0	36.45	102.9	32.63
		894.0	112.5	45.11	111.6	42.59	111.0	40.58	110.0	38.95	110.0	37.78	107.6	33.82
	0	238.4	148.5	51.84	145.1	49.63	142.2	48.01	139.5	45.97	138.2	44.71	133.0	39.96
		298.0	149.4	51.96	146.0	49.75	142.9	48.14	140.2	46.11	138.9	44.82	133.7	40.08
		596.0	152.8	52.45	149.5	50.24	146.3	48.71	143.5	46.67	142.3	45.32	136.8	40.57
		745.1	155.0	52.45	151.9	50.24	148.6	48.71	145.7	46.67	144.4	45.32	138.8	40.57
		894.0	156.3	52.45	153.2	50.24	149.7	48.71	146.8	46.67	145.5	45.32	139.8	40.57
	5	238.4	216.6	55.72	211.4	53.62	206.4	52.27	201.8	50.04	194.0	48.63	184.5	43.55
		298.0	217.3	55.96	211.7	53.89	206.5	52.52	201.8	50.31	194.0	48.89	184.5	43.79
		596.0	220.1	56.95	213.5	54.86	206.8	53.58	201.8	51.35	194.0	49.88	184.5	44.64
		745.1	221.4	57.31	213.9	55.24	206.8	53.94	201.8	51.71	194.0	50.24	184.5	44.95
		894.0	222.1	57.50	214.2	55.42	206.8	54.13	201.8	51.90	194.0	50.43	184.5	45.10
	10	238.4	217.3	49.97	212.1	48.26	206.2	47.21	201.5	45.63	193.7	44.12	184.4	39.66
		298.0	218.3	50.06	212.6	48.38	206.5	47.34	201.8	45.68	194.0	44.09	184.5	39.72
		596.0	221.4	50.43	214.8	48.96	207.7	47.89	203.1	45.93	195.3	43.97	185.4	39.90
		745.1	222.6	50.43	215.7	48.96	208.6	47.77	203.4	45.81	195.6	44.15	186.0	40.33
		894.0	223.4	50.43	216.1	48.96	209.0	47.71	203.7	45.75	195.9	44.24	186.3	40.55
	15	238.4	217.9	44.21	212.3	42.96	206.1	42.23	201.2	41.22	193.5	39.56	184.2	35.87
		298.0	218.8	44.15	213.0	42.96	206.8	42.23	201.8	41.07	194.0	39.29	184.5	35.71
		596.0	222.6	43.90	216.1	42.96	209.2	42.23	204.2	40.45	196.6	38.10	186.4	35.10
		745.1	223.8	43.60	217.3	42.60	210.2	41.68	204.9	39.90	197.1	38.10	187.5	35.71
		894.0	224.5	43.43	217.9	42.42	210.8	41.40	205.3	39.62	197.5	38.10	188.2	36.02
	20	238.4	222.0	38.16	216.1	37.24	209.0	36.32	203.3	35.71	196.0	34.70	185.7	32.44
		298.0	223.2	38.23	216.7	37.24	209.6	36.32	204.2	35.71	196.6	34.54	186.4	32.38
		596.0	227.9	38.55	219.7	37.24	212.1	36.32	207.3	35.71	199.0	33.93	189.3	32.13
		745.1	229.4	38.55	221.4	37.24	213.3	36.32	207.7	35.10	200.0	33.93	189.8	32.13
		894.0	230.0	38.55	222.3	37.24	213.9	36.32	208.1	34.79	200.6	33.93	190.0	32.13
	25	238.4	229.0	34.72	222.3	33.44	213.3	32.92	208.6	31.66	201.3	30.51	190.6	27.95
		298.0	229.4	34.67	222.3	33.32	213.3	32.74	208.6	31.52	201.3	30.35	190.6	27.95
		596.0	231.2	34.42	222.3	32.74	213.3	32.13	208.6	30.97	201.3	29.74	190.6	27.95
		745.1	232.5	34.42	222.3	32.87	213.3	31.52	208.6	30.97	201.3	29.19	190.6	27.39
		894.0	232.9	34.42	222.3	32.93	213.3	31.21	208.6	30.97	201.3	28.91	190.6	27.11
	30	238.4	232.5	31.66	222.3	30.51	213.3	29.34	208.6	28.73	201.3	26.93	190.6	25.15
		298.0	232.5	31.52	222.3	30.35	213.3	29.19	208.6	28.58	201.3	26.78	190.6	25.00
		596.0	232.5	30.97	222.3	29.74	213.3	28.58	208.6	27.95	201.3	26.17	190.6	24.39
		745.1	232.5	30.72	222.3	29.19	213.3	27.95	208.6	27.39	201.3	26.17	190.6	24.39
		894.0	232.5	30.60	222.3	28.91	213.3	27.63	208.6	27.11	201.3	26.17	190.6	24.39

7. Capacity tables

Heating Capacity (62 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	35	238.4	232.5	30.02	222.3	28.09	213.3	26.93	208.6	25.77	201.3	24.51	190.6	22.73
		298.0	232.5	29.74	222.3	27.95	213.3	26.78	208.6	25.61	201.3	24.39	190.6	22.59
		596.0	232.5	28.58	222.3	27.39	213.3	26.17	208.6	25.00	201.3	23.83	190.6	22.03
		745.1	232.5	27.82	222.3	26.78	213.3	25.61	208.6	25.00	201.3	23.83	190.6	22.03
		894.0	232.5	27.45	222.3	26.47	213.3	25.34	208.6	25.00	201.3	23.83	190.6	22.03
	40	238.4	232.5	28.24	222.3	27.08	213.3	25.30	208.6	23.99	201.3	22.73	190.6	20.95
		298.0	232.5	27.95	222.3	26.78	213.3	25.00	208.6	23.83	201.3	22.59	190.6	20.81
		596.0	232.5	26.78	222.3	25.61	213.3	23.83	208.6	23.22	201.3	22.03	190.6	20.25
		745.1	232.5	26.41	222.3	25.00	213.3	23.83	208.6	22.59	201.3	21.42	190.6	19.64
		894.0	232.5	26.22	222.3	24.69	213.3	23.83	208.6	22.28	201.3	21.11	190.6	19.33
	45	238.4	232.5	26.46	222.3	26.07	213.3	23.65	208.6	22.19	201.3	20.95	190.6	19.15
		298.0	232.5	26.17	222.3	25.61	213.3	23.22	208.6	22.03	201.3	20.81	190.6	19.03
		596.0	232.5	25.00	222.3	23.83	213.3	21.42	208.6	21.42	201.3	20.25	190.6	18.48
		745.1	232.5	25.00	222.3	23.22	213.3	22.03	208.6	20.25	201.3	19.03	190.6	17.23
		894.0	232.5	25.00	222.3	22.89	213.3	22.34	208.6	19.67	201.3	18.39	190.6	16.61
100	-5	238.4	78.4	37.89	77.9	35.71	77.5	32.78	76.9	31.39	76.2	29.99	74.7	27.29
		298.0	81.2	38.55	80.6	36.38	80.3	33.50	79.7	32.07	78.8	30.66	77.5	27.88
		596.0	92.1	41.13	91.4	39.10	90.8	36.32	89.9	34.79	89.2	33.32	87.7	30.29
		745.1	101.6	43.79	100.8	41.80	100.1	39.17	99.4	37.55	98.6	35.89	96.8	32.63
		894.0	106.3	45.11	105.6	43.18	105.1	40.58	104.1	38.95	103.5	37.20	101.4	33.82
	0	238.4	140.4	51.84	137.3	50.31	134.4	48.01	132.0	45.97	129.6	44.03	125.3	39.96
		298.0	141.1	51.96	138.0	50.43	135.1	48.14	132.7	46.11	130.5	44.15	125.8	40.08
		596.0	144.4	52.45	141.3	50.92	138.2	48.71	135.8	46.67	133.6	44.64	128.9	40.57
		745.1	146.6	52.45	143.5	50.92	140.4	48.71	137.9	46.67	135.5	44.64	130.8	40.57
		894.0	147.7	52.45	144.8	50.92	141.7	48.71	138.9	46.67	136.4	44.64	131.8	40.57
	5	238.4	207.1	55.72	200.2	54.37	195.0	52.27	191.3	50.04	182.0	47.89	173.6	43.55
		298.0	207.7	55.96	200.6	54.61	195.1	52.52	191.3	50.31	182.0	48.14	173.6	43.79
		596.0	210.8	56.95	202.1	55.60	195.3	53.58	191.3	51.35	182.0	49.14	173.6	44.64
		745.1	212.1	57.31	202.4	55.96	195.3	53.94	191.3	51.71	182.0	49.44	173.6	44.95
		894.0	212.6	57.50	202.8	56.15	195.3	54.13	191.3	51.90	182.0	49.60	173.6	45.10
	10	238.4	208.3	49.82	200.9	48.74	195.3	47.21	191.3	45.63	182.0	43.36	173.6	39.66
		298.0	208.6	50.06	201.2	48.89	195.3	47.34	191.3	45.68	182.0	43.42	173.6	39.72
		596.0	210.8	50.98	202.2	49.51	195.3	47.89	191.3	45.93	182.0	43.60	173.6	39.90
		745.1	212.3	50.79	203.1	49.51	195.3	47.77	191.3	45.81	182.0	43.47	173.6	39.72
		894.0	213.0	50.70	203.7	49.51	195.3	47.71	191.3	45.75	182.0	43.40	173.6	39.62
	15	238.4	209.3	43.94	201.7	43.18	195.3	42.23	191.3	41.22	182.0	38.80	173.6	35.87
		298.0	209.6	44.15	201.8	43.21	195.3	42.23	191.3	41.07	182.0	38.68	173.6	35.71
		596.0	210.8	45.01	202.4	43.34	195.3	42.23	191.3	40.45	182.0	38.10	173.6	35.10
		745.1	212.6	44.28	203.4	42.96	195.3	41.68	191.3	39.90	182.0	37.49	173.6	34.54
		894.0	213.5	43.90	204.0	42.78	195.3	41.40	191.3	39.62	182.0	37.18	173.6	34.27
	20	238.4	210.5	37.58	202.8	36.59	195.3	35.71	191.3	35.22	182.0	32.92	173.6	31.28
		298.0	211.4	37.73	203.0	36.63	195.3	35.71	191.3	35.10	182.0	32.74	173.6	30.97
		596.0	214.5	38.43	203.4	36.75	195.3	35.71	191.3	34.54	182.0	32.13	173.6	29.74
		745.1	215.7	37.73	205.3	36.45	195.3	35.10	191.3	33.93	182.0	31.52	173.6	29.19
		894.0	216.3	37.40	206.2	36.29	195.3	34.79	191.3	33.62	182.0	31.21	173.6	28.91
	25	238.4	213.0	32.83	206.1	31.82	195.3	30.51	191.3	29.34	182.0	27.54	173.6	25.00
		298.0	213.9	32.87	206.1	31.64	195.3	30.35	191.3	29.19	182.0	27.39	173.6	25.00
		596.0	217.0	32.99	206.1	30.97	195.3	29.74	191.3	28.58	182.0	26.78	173.6	25.00
		745.1	217.9	32.25	206.1	30.72	195.3	29.19	191.3	27.95	182.0	26.78	173.6	24.39
		894.0	218.6	31.89	206.1	30.60	195.3	28.91	191.3	27.63	182.0	26.78	173.6	24.08
	30	238.4	217.9	29.87	206.1	27.54	195.3	25.67	191.3	25.15	182.0	23.22	173.6	22.19
		298.0	217.9	29.74	206.1	27.39	195.3	25.61	191.3	25.00	182.0	23.22	173.6	22.03
		596.0	217.9	29.19	206.1	26.78	195.3	25.36	191.3	24.39	182.0	23.22	173.6	21.42
		745.1	217.9	28.58	206.1	26.78	195.3	25.00	191.3	24.39	182.0	22.59	173.6	21.42
		894.0	217.9	28.25	206.1	26.78	195.3	24.82	191.3	24.39	182.0	22.28	173.6	21.42
	35	238.4	217.9	27.72	206.1	25.30	195.3	22.64	191.3	22.19	182.0	20.95	173.6	19.15
		298.0	217.9	27.39	206.1	25.00	195.3	22.59	191.3	22.03	182.0	20.81	173.6	19.03
		596.0	217.9	26.17	206.1	23.83	195.3	22.34	191.3	21.42	182.0	20.25	173.6	18.48
		745.1	217.9	26.17	206.1	23.83	195.3	22.03	191.3	21.42	182.0	20.25	173.6	18.48
		894.0	217.9	26.17	206.1	23.83	195.3	21.88	191.3	21.42	182.0	20.25	173.6	18.48
	40	238.4	217.9	25.92	206.1	23.50	195.3	20.32	191.3	19.80	182.0	18.63	173.6	17.38
		298.0	217.9	25.61	206.1	23.22	195.3	20.25	191.3	19.64	182.0	18.48	173.6	17.23
		596.0	217.9	24.39	206.1	22.03	195.3	20.01	191.3	19.03	182.0	17.87	173.6	16.68
		745.1	217.9	23.83	206.1	22.03	195.3	19.64	191.3	19.03	182.0	17.87	173.6	16.68
		894.0	217.9	23.56	206.1	22.03	195.3	19.46	191.3	19.03	182.0	17.87	173.6	16.68
	45	238.4	217.9	24.14	206.1	21.72	195.3	17.93	191.3	17.38	182.0	16.22	173.6	15.60
		298.0	217.9	23.83	206.1	21.42	195.3	17.87	191.3	17.23	182.0	16.07	173.6	15.46
		596.0	217.9	22.59	206.1	20.25	195.3	17.60	191.3	16.68	182.0	15.46	173.6	14.90
		745.1	217.9	21.42	206.1	20.25	195.3	17.23	191.3	16.68	182.0	15.46	173.6	14.90
		894.0	217.9	20.84	206.1	20.25	195.3	17.05	191.3	16.68	182.0	15.46	173.6	14.90
90	-5	238.4	74.1	35.17	71.9	32.04	69.7	28.13	69.1	26.80	68.6	25.83	67.5	23.20
		298.0	76.6	35.77	74.4	32.63	72.2	28.76	71.6	27.39	71.0	26.41	69.8	23.71
		596.0	86.8	38.16	84.1	35.04	81.5	31.21	81.0	29.74	80.6	28.69	78.8	25.74
		745.1	95.9	40.57	92.8	37.49	90.1	33.69	89.3	32.07	89.0	30.91	87.2	27.76
		894.0	100.5	41.77	97.3	38.74	94.5	34.92	93.6	33.26	93.0	32.04	91.4	28.80
	0	238.4	132.6	47.89	126.5	44.95	120.6	41.27	118.7	39.35	116.9	37.89	112.5	34.02
		298.0	133.3	48.02	127.1	45.07	121.3	41.38	119.6	39.47	117.5	37.98	113.2	34.11
		596.0	136.4	48.53	130.2	45.56	124.3	41.80	122.2	39.90	120.3	38.43	116.0	34.49
		745.1	138.6	48.53	132.0	45.56	126.2	41.80	124.0	39.90	122.2	38.43	117.8	34.49
		894.0	139.5	48.53	133.1	45.56	127.3	41.80	124.9	39.90	123.3	38.43	118.7	34.49

7. Capacity tables

Heating Capacity (62 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	5	238.4	187.3	51.43	181.3	48.53	175.4	44.92	171.8	42.82	164.3	41.22	156.5	37.00
		298.0	187.5	51.66	181.1	48.78	175.4	45.14	171.8	43.03	164.3	41.43	156.5	37.18
		596.0	188.2	52.57	180.7	49.69	175.4	45.99	171.8	43.90	164.3	42.29	156.5	37.92
		745.1	189.3	52.88	181.1	50.00	175.4	46.36	171.8	44.21	164.3	42.60	156.5	38.23
		894.0	189.8	53.04	181.4	50.15	175.4	46.54	171.8	44.37	164.3	42.75	156.5	38.40
	10	238.4	188.2	45.41	182.0	43.18	175.4	40.64	171.8	38.99	164.3	37.40	156.5	33.71
		298.0	188.2	45.44	181.6	43.21	175.4	40.70	171.8	39.04	164.3	37.37	156.5	33.75
		596.0	187.8	45.56	180.7	43.42	175.4	40.88	171.8	39.22	164.3	37.24	156.5	33.87
		745.1	189.1	45.44	181.3	43.27	175.4	40.76	171.8	39.10	164.3	37.37	156.5	34.00
		894.0	189.7	45.38	181.6	43.21	175.4	40.70	171.8	39.04	164.3	37.42	156.5	34.05
	15	238.4	189.3	39.31	182.6	37.89	175.4	36.48	171.8	35.22	164.3	33.60	156.5	30.51
		298.0	188.9	39.17	182.2	37.73	175.4	36.32	171.8	35.10	164.3	33.32	156.5	30.35
		596.0	187.6	38.55	181.0	37.12	175.4	35.71	171.8	34.54	164.3	32.13	156.5	29.74
		745.1	188.9	37.98	181.4	36.57	175.4	35.10	171.8	33.93	164.3	32.13	156.5	29.74
		894.0	189.7	37.71	181.7	36.29	175.4	34.79	171.8	33.62	164.3	32.13	156.5	29.74
	20	238.4	190.4	33.19	183.3	32.22	175.4	31.12	171.8	29.87	164.3	28.85	156.5	27.08
		298.0	190.3	33.19	182.9	32.13	175.4	30.97	171.8	29.74	164.3	28.58	156.5	26.78
		596.0	189.4	33.19	181.4	31.77	175.4	30.35	171.8	29.19	164.3	27.39	156.5	25.61
		745.1	190.0	32.63	182.0	31.52	175.4	30.35	171.8	29.19	164.3	27.39	156.5	25.61
		894.0	190.4	32.35	182.3	31.39	175.4	30.35	171.8	29.19	164.3	27.39	156.5	25.61
	25	238.4	193.5	29.00	185.7	27.45	175.4	26.31	171.8	25.00	164.3	23.99	156.5	22.19
		298.0	194.0	28.94	185.7	27.39	175.4	26.17	171.8	25.00	164.3	23.83	156.5	22.03
		596.0	195.9	28.69	185.7	27.14	175.4	25.61	171.8	25.00	164.3	23.22	156.5	21.42
		745.1	196.6	27.95	185.7	26.53	175.4	25.61	171.8	24.39	164.3	23.22	156.5	21.42
		894.0	196.9	27.57	185.7	26.22	175.4	25.61	171.8	24.08	164.3	23.22	156.5	21.42
	30	238.4	196.6	26.31	185.7	24.51	175.4	22.73	171.8	22.19	164.3	20.95	156.5	19.03
		298.0	196.6	26.17	185.7	24.39	175.4	22.59	171.8	22.03	164.3	20.81	156.5	19.03
		596.0	196.6	25.61	185.7	23.83	175.4	22.03	171.8	21.42	164.3	20.25	156.5	19.03
		745.1	196.6	25.00	185.7	23.22	175.4	22.03	171.8	21.42	164.3	20.25	156.5	18.48
		894.0	196.6	24.69	185.7	22.89	175.4	22.03	171.8	21.42	164.3	20.25	156.5	18.18
	35	238.4	196.6	23.99	185.7	22.19	175.4	20.41	171.8	19.80	164.3	18.63	156.5	17.38
		298.0	196.6	23.83	185.7	22.03	175.4	20.25	171.8	19.64	164.3	18.48	156.5	17.23
		596.0	196.6	23.22	185.7	21.42	175.4	19.64	171.8	19.03	164.3	17.87	156.5	16.68
		745.1	196.6	22.59	185.7	20.81	175.4	19.03	171.8	18.48	164.3	17.87	156.5	16.68
		894.0	196.6	22.28	185.7	20.50	175.4	18.72	171.8	18.18	164.3	17.87	156.5	16.68
	40	238.4	196.6	22.34	185.7	20.41	175.4	18.02	171.8	17.38	164.3	16.83	156.5	15.60
		298.0	196.6	22.03	185.7	20.25	175.4	17.87	171.8	17.23	164.3	16.68	156.5	15.46
		596.0	196.6	20.81	185.7	19.64	175.4	17.23	171.8	16.68	164.3	16.07	156.5	14.90
		745.1	196.6	20.81	185.7	19.64	175.4	17.23	171.8	16.68	164.3	16.07	156.5	14.90
		894.0	196.6	20.81	185.7	19.64	175.4	17.23	171.8	16.68	164.3	16.07	156.5	14.90
	45	238.4	196.6	20.72	185.7	18.63	175.4	15.60	171.8	15.05	164.3	15.05	156.5	13.80
		298.0	196.6	20.25	185.7	18.48	175.4	15.46	171.8	14.90	164.3	14.90	156.5	13.68
		596.0	196.6	18.48	185.7	17.87	175.4	14.90	171.8	14.29	164.3	14.29	156.5	13.12
		745.1	196.6	19.03	185.7	18.48	175.4	15.46	171.8	14.90	164.3	14.29	156.5	13.12
		894.0	196.6	19.31	185.7	18.79	175.4	15.73	171.8	15.21	164.3	14.29	156.5	13.12
80	-5	238.4	70.0	25.06	65.7	24.10	62.2	23.07	61.4	22.30	61.1	21.27	59.8	19.58
		298.0	72.6	25.61	67.9	24.63	64.2	23.59	63.6	22.77	63.3	21.73	62.0	20.01
		596.0	81.9	27.82	76.9	26.71	72.6	25.56	71.9	24.69	71.6	23.59	70.0	21.67
		745.1	90.6	29.99	84.9	28.82	80.3	27.57	79.3	26.66	79.0	25.43	77.5	23.40
		894.0	95.2	31.06	89.0	29.86	84.1	28.60	83.1	27.66	82.8	26.35	81.0	24.26
	0	238.4	125.2	36.77	115.4	35.28	107.6	33.84	105.4	32.65	103.9	31.12	100.1	28.67
		298.0	125.8	36.88	116.0	35.40	108.1	33.93	106.1	32.74	104.7	31.21	100.7	28.76
		596.0	128.9	37.31	118.7	35.83	110.7	34.30	108.5	33.12	107.2	31.58	103.0	29.07
		745.1	130.8	37.31	120.6	35.83	112.5	34.30	110.3	33.12	108.8	31.58	104.7	29.07
		894.0	131.7	37.31	121.5	35.83	113.4	34.30	111.0	33.12	109.7	31.58	105.4	29.07
	5	238.4	173.0	39.99	163.4	38.47	156.3	36.75	152.8	35.53	146.3	33.87	138.9	31.18
		298.0	173.6	40.21	163.7	38.68	156.3	36.93	152.8	35.71	146.3	34.05	138.9	31.34
		596.0	174.9	41.07	164.9	39.41	156.5	37.73	152.8	36.45	146.3	34.72	138.9	32.01
		745.1	174.9	41.31	164.9	39.72	156.5	37.98	152.8	36.70	146.3	34.97	138.9	32.20
		894.0	174.9	41.43	164.6	39.87	156.5	38.12	152.8	36.81	146.3	35.10	138.9	32.29
	10	238.4	174.0	36.81	164.0	35.13	156.3	33.35	152.8	32.43	146.3	30.72	138.9	28.42
		298.0	174.2	36.75	164.3	35.10	156.3	33.37	152.8	32.44	146.3	30.72	138.9	28.46
		596.0	174.9	36.57	164.9	34.92	156.5	33.44	152.8	32.50	146.3	30.78	138.9	28.51
		745.1	174.9	36.45	164.9	35.04	156.5	33.57	152.8	32.32	146.3	30.60	138.9	28.33
		894.0	174.9	36.38	164.6	35.10	156.5	33.62	152.8	32.22	146.3	30.51	138.9	28.24
	15	238.4	174.9	33.60	164.9	31.82	156.5	29.87	152.8	29.34	146.3	27.54	138.9	25.77
		298.0	174.9	33.32	164.9	31.52	156.5	29.74	152.8	29.19	146.3	27.39	138.9	25.61
		596.0	174.9	32.13	164.9	30.35	156.5	29.19	152.8	28.58	146.3	26.78	138.9	25.00
		745.1	174.9	31.52	164.9	30.35	156.5	29.19	152.8	27.95	146.3	26.17	138.9	24.39
		894.0	174.9	31.21	164.9	30.35	156.5	29.19	152.8	27.63	146.3	25.86	138.9	24.08
	20	238.4	174.9	28.09	164.9	26.93	156.5	25.61	152.8	25.15	146.3	23.99	138.9	22.19
		298.0	174.9	27.95	164.9	26.78	156.5	25.61	152.8	25.00	146.3	23.83	138.9	22.03
		596.0	174.9	27.39	164.9	26.17	156.5	25.61	152.8	24.39	146.3	23.22	138.9	21.42
		745.1	174.9	26.78	164.9	25.61	156.5	25.00	152.8	24.39	146.3	22.59	138.9	21.42
		894.0	174.9	26.47	164.9	25.34	156.5	24.69	152.8	24.39	146.3	22.28	138.9	21.42
	25	238.4	174.9	25.15	164.9	23.38	156.5	22.03	152.8	21.58	146.3	20.41	138.9	19.15
		298.0	174.9	25.00	164.9	23.22	156.5	22.03	152.8	21.42	146.3	20.25	138.9	19.03
		596.0	174.9	24.39	164.9	22.59	156.5	22.03	152.8	20.81	146.3	19.64	138.9	18.48
		745.1	174.9	23.83	164.9	22.59	156.5	21.42	152.8	20.81	146.3	19.64	138.9	18.48
		894.0	174.9	23.56	164.9	22.59	156.5	21.11	152.8	20.81	146.3	19.64	138.9	18.48

7. Capacity tables

Heating Capacity (62 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	30	238.4	174.9	22.19	164.9	20.95	156.5	19.80	152.8	19.15	146.3	18.02	138.9	16.83
		298.0	174.9	22.03	164.9	20.81	156.5	19.64	152.8	19.03	146.3	17.87	138.9	16.68
		596.0	174.9	21.42	164.9	20.25	156.5	19.03	152.8	18.48	146.3	17.23	138.9	16.07
		745.1	174.9	21.42	164.9	20.25	156.5	19.03	152.8	18.48	146.3	17.23	138.9	16.07
		894.0	174.9	21.42	164.9	20.25	156.5	19.03	152.8	18.48	146.3	17.23	138.9	16.07
	35	238.4	174.9	20.41	164.9	19.15	156.5	17.38	152.8	16.68	146.3	16.22	138.9	14.90
		298.0	174.9	20.25	164.9	19.03	156.5	17.23	152.8	16.68	146.3	16.07	138.9	14.90
		596.0	174.9	19.64	164.9	18.48	156.5	16.68	152.8	16.68	146.3	15.46	138.9	14.90
		745.1	174.9	19.64	164.9	17.87	156.5	16.68	152.8	16.07	146.3	15.46	138.9	14.29
		894.0	174.9	19.64	164.9	17.53	156.5	16.68	152.8	15.76	146.3	15.46	138.9	13.98
	40	238.4	174.9	19.31	164.9	17.38	156.5	15.46	152.8	15.60	146.3	14.29	138.9	13.80
		298.0	174.9	19.03	164.9	17.23	156.5	15.46	152.8	15.46	146.3	14.29	138.9	13.68
		596.0	174.9	17.87	164.9	16.68	156.5	15.46	152.8	14.90	146.3	14.29	138.9	13.12
		745.1	174.9	17.87	164.9	16.68	156.5	14.90	152.8	14.90	146.3	14.29	138.9	13.12
		894.0	174.9	17.87	164.9	16.68	156.5	14.62	152.8	14.90	146.3	14.29	138.9	13.12
	45	238.4	174.9	18.30	164.9	15.60	156.5	13.52	152.8	14.57	146.3	12.33	138.9	12.79
		298.0	174.9	17.87	164.9	15.46	156.5	13.68	152.8	14.29	146.3	12.49	138.9	12.49
		596.0	174.9	16.07	164.9	14.90	156.5	14.29	152.8	13.12	146.3	13.12	138.9	11.32
		745.1	174.9	16.07	164.9	15.46	156.5	13.12	152.8	13.68	146.3	13.12	138.9	11.88
		894.0	174.9	16.07	164.9	15.73	156.5	12.52	152.8	13.95	146.3	13.12	138.9	12.15
70	-5	238.4	61.1	21.51	57.4	20.48	54.3	19.82	53.6	18.69	53.4	18.02	52.5	16.40
		298.0	63.3	21.98	59.5	20.93	56.1	20.25	55.6	19.09	55.2	18.42	54.3	16.74
		596.0	71.6	23.83	67.3	22.71	63.5	21.98	62.9	20.68	62.6	19.95	61.4	18.18
		745.1	79.3	25.74	74.4	24.51	70.0	23.71	69.5	22.28	69.1	21.54	67.8	19.58
		894.0	83.1	26.69	77.8	25.40	73.5	24.57	72.9	23.10	72.2	22.36	71.0	20.29
	0	238.4	109.4	31.48	101.1	30.02	93.9	29.03	92.3	27.32	90.8	26.40	87.7	24.01
		298.0	110.1	31.58	101.7	30.11	94.5	29.13	92.8	27.39	91.4	26.47	88.1	24.08
		596.0	112.5	31.95	104.1	30.42	96.7	29.50	95.2	27.70	93.6	26.78	90.1	24.32
		745.1	114.3	31.95	105.7	30.42	98.1	29.50	96.4	27.70	95.2	26.78	91.5	24.32
		894.0	115.1	31.95	106.6	30.42	98.9	29.50	97.2	27.70	95.8	26.78	92.3	24.32
	5	238.4	151.2	34.31	143.2	32.65	136.4	31.61	133.6	29.77	127.5	28.73	121.5	26.10
		298.0	151.6	34.49	143.5	32.81	136.4	31.77	133.6	29.93	127.5	28.89	121.5	26.22
		596.0	152.8	35.15	144.6	33.50	136.6	32.44	133.6	30.47	127.5	29.50	121.5	26.78
		745.1	152.8	35.40	144.4	33.75	136.6	32.69	133.6	30.72	127.5	29.68	121.5	26.96
		894.0	152.8	35.53	144.4	33.87	136.6	32.81	133.6	30.85	127.5	29.77	121.5	27.05
	10	238.4	151.9	31.58	143.8	29.86	136.6	28.76	133.6	27.14	127.5	26.04	121.5	23.83
		298.0	152.1	31.52	143.9	29.80	136.6	28.69	133.6	27.14	127.5	26.04	121.5	23.83
		596.0	152.8	31.28	144.4	29.56	136.6	28.46	133.6	27.14	127.5	26.04	121.5	23.83
		745.1	152.8	31.39	144.4	29.68	136.6	28.58	133.6	27.27	127.5	25.86	121.5	23.90
		894.0	152.8	31.46	144.4	29.74	136.6	28.64	133.6	27.33	127.5	25.76	121.5	23.92
	15	238.4	152.8	28.85	144.4	27.08	136.6	25.92	133.6	24.51	127.5	23.38	121.5	21.58
		298.0	152.8	28.58	144.4	26.78	136.6	25.61	133.6	24.39	127.5	23.22	121.5	21.42
		596.0	152.8	27.39	144.4	25.61	136.6	24.39	133.6	23.83	127.5	22.59	121.5	20.81
		745.1	152.8	27.39	144.4	25.61	136.6	24.39	133.6	23.83	127.5	22.03	121.5	20.81
		894.0	152.8	27.39	144.4	25.61	136.6	24.39	133.6	23.83	127.5	21.76	121.5	20.81
	20	238.4	152.8	23.99	144.4	22.73	136.6	22.19	133.6	21.58	127.5	20.41	121.5	19.15
		298.0	152.8	23.83	144.4	22.59	136.6	22.03	133.6	21.42	127.5	20.25	121.5	19.03
		596.0	152.8	23.22	144.4	22.03	136.6	21.42	133.6	20.81	127.5	19.64	121.5	18.48
		745.1	152.8	23.22	144.4	22.03	136.6	21.42	133.6	20.25	127.5	19.64	121.5	17.87
		894.0	152.8	23.22	144.4	22.03	136.6	21.42	133.6	19.98	127.5	19.64	121.5	17.53
	25	238.4	152.8	21.58	144.4	20.41	136.6	19.15	133.6	18.63	127.5	17.23	121.5	16.07
		298.0	152.8	21.42	144.4	20.25	136.6	19.03	133.6	18.48	127.5	17.23	121.5	16.07
		596.0	152.8	20.81	144.4	19.64	136.6	18.48	133.6	17.87	127.5	17.23	121.5	16.07
		745.1	152.8	20.25	144.4	19.03	136.6	18.48	133.6	17.87	127.5	16.68	121.5	16.07
		894.0	152.8	19.98	144.4	18.72	136.6	18.48	133.6	17.87	127.5	16.40	121.5	16.07
	30	238.4	152.8	19.15	144.4	18.02	136.6	16.83	133.6	16.07	127.5	15.60	121.5	14.29
		298.0	152.8	19.03	144.4	17.87	136.6	16.68	133.6	16.07	127.5	15.46	121.5	14.29
		596.0	152.8	18.48	144.4	17.23	136.6	16.07	133.6	16.07	127.5	14.90	121.5	14.29
		745.1	152.8	18.48	144.4	17.23	136.6	16.07	133.6	15.46	127.5	14.90	121.5	14.29
		894.0	152.8	18.48	144.4	17.23	136.6	16.07	133.6	15.14	127.5	14.90	121.5	14.29
	35	238.4	152.8	17.38	144.4	16.22	136.6	14.90	133.6	15.05	127.5	13.68	121.5	13.28
		298.0	152.8	17.23	144.4	16.07	136.6	14.90	133.6	14.90	127.5	13.68	121.5	13.12
		596.0	152.8	16.68	144.4	15.46	136.6	14.90	133.6	14.29	127.5	13.68	121.5	12.49
		745.1	152.8	16.68	144.4	15.46	136.6	14.29	133.6	14.29	127.5	13.68	121.5	12.49
		894.0	152.8	16.68	144.4	15.46	136.6	13.98	133.6	14.29	127.5	13.68	121.5	12.49
	40	238.4	152.8	16.22	144.4	15.05	136.6	13.80	133.6	13.12	127.5	12.49	121.5	12.02
		298.0	152.8	16.07	144.4	14.90	136.6	13.68	133.6	13.12	127.5	12.49	121.5	11.88
		596.0	152.8	15.46	144.4	14.29	136.6	13.12	133.6	13.12	127.5	12.49	121.5	11.32
		745.1	152.8	15.46	144.4	14.29	136.6	13.12	133.6	12.49	127.5	11.88	121.5	11.32
		894.0	152.8	15.46	144.4	14.29	136.6	13.12	133.6	12.18	127.5	11.57	121.5	11.32
	45	238.4	152.8	15.05	144.4	13.80	136.6	12.79	133.6	11.20	127.5	11.32	121.5	10.87
		298.0	152.8	14.90	144.4	13.68	136.6	12.49	133.6	11.32	127.5	11.32	121.5	10.71
		596.0	152.8	14.29	144.4	13.12	136.6	11.32	133.6	11.88	127.5	11.32	121.5	10.10
		745.1	152.8	14.29	144.4	13.12	136.6	11.88	133.6	10.71	127.5	10.10	121.5	10.10
		894.0	152.8	14.29	144.4	13.12	136.6	12.15	133.6	10.13	127.5	9.48	121.5	10.10
60	-5	238.4	52.5	17.47	49.2	16.80	46.5	16.15	45.9	14.99	45.8	14.76	44.9	13.19
		298.0	54.3	17.87	50.9	17.17	48.1	16.50	47.6	15.33	47.4	15.08	46.5	13.49
		596.0	61.6	19.40	57.6	18.66	54.5	17.93	54.0	16.62	53.6	16.38	52.7	14.65
		745.1	67.9	20.87	63.6	20.14	60.4	19.33	59.6	17.98	59.5	17.66	58.2	15.76
		894.0	71.3	21.61	66.6	20.88	63.3	20.05	62.4	18.66	62.3	18.32	60.8	16.31

7. Capacity tables

Heating Capacity (62 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	0	238.4	93.9	25.59	86.5	24.69	80.6	23.63	79.1	21.98	78.1	21.67	75.1	19.35
		298.0	94.5	25.67	87.1	24.75	81.2	23.71	79.7	22.03	78.4	21.73	75.7	19.40
		596.0	96.7	25.98	89.0	25.00	83.1	24.01	81.5	22.28	80.3	21.98	77.2	19.58
		745.1	98.1	25.98	90.5	25.00	84.6	24.01	82.8	22.28	81.5	21.98	78.4	19.58
		894.0	98.9	25.98	91.2	25.00	85.2	24.01	83.3	22.28	82.2	21.98	79.1	19.58
	5	238.4	129.8	27.88	122.4	26.84	117.4	25.70	114.4	23.96	109.4	23.58	104.2	21.02
		298.0	130.2	28.00	122.7	26.96	117.4	25.86	114.4	24.08	109.4	23.71	104.2	21.11
		596.0	131.1	28.58	123.6	27.52	117.4	26.41	114.4	24.57	109.4	24.21	104.2	21.54
		745.1	131.1	28.82	123.4	27.70	117.4	26.60	114.4	24.75	109.4	24.32	104.2	21.73
		894.0	131.1	28.94	123.3	27.79	117.4	26.69	114.4	24.84	109.4	24.39	104.2	21.82
	10	238.4	130.5	25.61	122.8	24.51	117.4	23.34	114.4	21.79	109.4	21.38	104.2	19.15
		298.0	130.6	25.61	123.1	24.51	117.4	23.34	114.4	21.85	109.4	21.36	104.2	19.21
		596.0	131.1	25.61	123.6	24.51	117.4	23.34	114.4	22.10	109.4	21.30	104.2	19.40
		745.1	131.1	25.67	123.4	24.26	117.4	23.10	114.4	21.85	109.4	21.11	104.2	19.21
		894.0	131.1	25.70	123.3	24.14	117.4	22.95	114.4	21.73	109.4	21.02	104.2	19.12
	15	238.4	131.1	23.38	123.4	22.19	117.4	20.95	114.4	19.64	109.4	19.15	104.2	17.23
		298.0	131.1	23.22	123.4	22.03	117.4	20.81	114.4	19.64	109.4	19.03	104.2	17.23
		596.0	131.1	22.59	123.4	21.42	117.4	20.25	114.4	19.64	109.4	18.48	104.2	17.23
		745.1	131.1	22.59	123.4	20.81	117.4	19.64	114.4	19.03	109.4	17.87	104.2	16.68
		894.0	131.1	22.59	123.4	20.50	117.4	19.33	114.4	18.72	109.4	17.53	104.2	16.40
	20	238.4	131.1	20.41	123.4	19.15	117.4	18.02	114.4	17.38	109.4	16.83	104.2	15.60
		298.0	131.1	20.25	123.4	19.03	117.4	17.87	114.4	17.23	109.4	16.68	104.2	15.46
		596.0	131.1	19.64	123.4	18.48	117.4	17.23	114.4	16.68	109.4	16.07	104.2	14.90
		745.1	131.1	19.64	123.4	18.48	117.4	17.23	114.4	16.68	109.4	16.07	104.2	14.90
		894.0	131.1	19.64	123.4	18.48	117.4	17.23	114.4	16.68	109.4	16.07	104.2	14.90
	25	238.4	131.1	18.02	123.4	16.83	117.4	15.46	114.4	15.60	109.4	14.29	104.2	13.80
		298.0	131.1	17.87	123.4	16.68	117.4	15.46	114.4	15.46	109.4	14.29	104.2	13.68
		596.0	131.1	17.23	123.4	16.07	117.4	15.46	114.4	14.90	109.4	14.29	104.2	13.12
		745.1	131.1	17.23	123.4	16.07	117.4	14.90	114.4	14.90	109.4	14.29	104.2	13.12
		894.0	131.1	17.23	123.4	16.07	117.4	14.62	114.4	14.90	109.4	14.29	104.2	13.12
	30	238.4	131.1	16.22	123.4	15.05	117.4	14.44	114.4	13.80	109.4	13.28	104.2	12.67
		298.0	131.1	16.07	123.4	14.90	117.4	14.29	114.4	13.68	109.4	13.12	104.2	12.49
		596.0	131.1	15.46	123.4	14.29	117.4	13.68	114.4	13.12	109.4	12.49	104.2	11.88
		745.1	131.1	15.46	123.4	14.29	117.4	13.68	114.4	13.12	109.4	12.49	104.2	11.88
		894.0	131.1	15.46	123.4	14.29	117.4	13.68	114.4	13.12	109.4	12.49	104.2	11.88
	35	238.4	131.1	14.29	123.4	13.80	117.4	12.49	114.4	12.67	109.4	12.02	104.2	11.48
		298.0	131.1	14.29	123.4	13.68	117.4	12.49	114.4	12.49	109.4	11.88	104.2	11.32
		596.0	131.1	14.29	123.4	13.12	117.4	12.49	114.4	11.88	109.4	11.32	104.2	10.71
		745.1	131.1	14.29	123.4	13.12	117.4	11.88	114.4	11.88	109.4	11.32	104.2	10.71
		894.0	131.1	14.29	123.4	13.12	117.4	11.57	114.4	11.88	109.4	11.32	104.2	10.71
	40	238.4	131.1	13.12	123.4	12.67	117.4	11.32	114.4	11.48	109.4	10.87	104.2	10.10
		298.0	131.1	13.12	123.4	12.49	117.4	11.32	114.4	11.32	109.4	10.71	104.2	10.10
		596.0	131.1	13.12	123.4	11.88	117.4	11.32	114.4	10.71	109.4	10.10	104.2	10.10
		745.1	131.1	13.12	123.4	11.88	117.4	11.32	114.4	10.71	109.4	10.10	104.2	10.10
		894.0	131.1	13.12	123.4	11.88	117.4	11.32	114.4	10.71	109.4	10.10	104.2	10.10
	45	238.4	131.1	11.88	123.4	11.48	117.4	10.10	114.4	10.24	109.4	9.70	104.2	8.78
		298.0	131.1	11.88	123.4	11.32	117.4	10.10	114.4	10.10	109.4	9.54	104.2	8.93
		596.0	131.1	11.88	123.4	10.71	117.4	10.10	114.4	9.54	109.4	8.93	104.2	9.54
		745.1	131.1	11.88	123.4	10.71	117.4	10.71	114.4	9.54	109.4	8.93	104.2	9.54
		894.0	131.1	11.88	123.4	10.71	117.4	11.02	114.4	9.54	109.4	8.93	104.2	9.54
50	-5	238.4	43.7	13.93	41.2	13.19	38.8	12.49	38.1	11.81	38.1	11.07	37.4	10.49
		298.0	45.2	14.22	42.5	13.49	40.3	12.74	39.6	12.06	39.4	11.32	38.7	10.71
		596.0	51.1	15.39	48.0	14.65	45.6	13.80	44.9	13.12	44.7	12.31	43.7	11.57
		745.1	56.5	16.62	53.0	15.76	50.2	14.90	49.6	14.17	49.3	13.25	48.5	12.49
		894.0	59.2	17.26	55.6	16.31	52.5	15.46	52.0	14.69	51.4	13.71	50.9	12.97
	0	238.4	78.1	20.39	72.2	19.35	67.3	18.23	65.7	17.29	64.8	16.27	62.6	15.33
		298.0	78.4	20.44	72.6	19.40	67.6	18.29	66.0	17.35	65.1	16.31	62.9	15.39
		596.0	80.3	20.63	74.4	19.58	69.1	18.54	67.8	17.60	66.9	16.50	64.2	15.57
		745.1	81.5	20.63	75.3	19.58	70.0	18.54	68.8	17.60	67.8	16.50	65.4	15.57
		894.0	82.2	20.63	75.9	19.58	70.6	18.54	69.5	17.60	68.2	16.50	66.0	15.57
	5	238.4	107.9	22.18	102.3	21.02	97.6	19.83	95.2	18.88	91.1	17.71	86.8	16.65
		298.0	108.1	22.28	102.5	21.11	97.6	19.95	95.2	18.97	91.1	17.78	86.8	16.74
		596.0	109.1	22.71	103.2	21.54	97.7	20.38	95.2	19.33	91.1	18.11	86.8	17.11
		745.1	109.1	22.89	103.0	21.73	97.7	20.50	95.2	19.46	91.1	18.29	86.8	17.23
		894.0	109.1	23.00	102.9	21.82	97.7	20.56	95.2	19.53	91.1	18.38	86.8	17.29
	10	238.4	108.5	20.41	102.5	19.22	97.6	18.08	95.2	17.26	91.1	15.97	86.8	15.24
		298.0	108.5	20.38	102.6	19.21	97.6	18.05	95.2	17.23	91.1	16.00	86.8	15.21
		596.0	109.1	20.25	103.2	19.15	97.7	17.93	95.2	17.11	91.1	16.18	86.8	15.08
		745.1	109.1	20.38	103.0	19.21	97.7	17.98	95.2	17.17	91.1	15.95	86.8	15.15
		894.0	109.1	20.44	102.9	19.24	97.7	18.02	95.2	17.20	91.1	15.82	86.8	15.18
	15	238.4	109.1	18.63	103.0	17.38	97.7	16.22	95.2	15.60	91.1	14.29	86.8	13.80
		298.0	109.1	18.48	103.0	17.23	97.7	16.07	95.2	15.46	91.1	14.29	86.8	13.68
		596.0	109.1	17.87	103.0	16.68	97.7	15.46	95.2	14.90	91.1	14.29	86.8	13.12
		745.1	109.1	17.87	103.0	16.68	97.7	15.46	95.2	14.90	91.1	13.68	86.8	13.12
		894.0	109.1	17.87	103.0	16.68	97.7	15.46	95.2	14.90	91.1	13.37	86.8	13.12
	20	238.4	109.1	16.22	103.0	15.05	97.7	14.44	95.2	13.80	91.1	13.28	86.8	11.88
		298.0	109.1	16.07	103.0	14.90	97.7	14.29	95.2	13.68	91.1	13.12	86.8	11.88
		596.0	109.1	15.46	103.0	14.29	97.7	13.68	95.2	13.12	91.1	12.49	86.8	11.88
		745.1	109.1	15.46	103.0	14.29	97.7	13.68	95.2	13.12	91.1	12.49	86.8	11.88
		894.0	109.1	15.46	103.0	14.29	97.7	13.68	95.2	13.12	91.1	12.49	86.8	11.88

7. Capacity tables

Heating Capacity (62 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	25	238.4	109.1	14.44	103.0	13.12	97.7	12.67	95.2	11.88	91.1	11.32	86.8	10.71
		298.0	109.1	14.29	103.0	13.12	97.7	12.49	95.2	11.88	91.1	11.32	86.8	10.71
		596.0	109.1	13.68	103.0	13.12	97.7	11.88	95.2	11.88	91.1	11.32	86.8	10.71
		745.1	109.1	13.68	103.0	13.12	97.7	11.88	95.2	11.88	91.1	11.32	86.8	10.71
		894.0	109.1	13.68	103.0	13.12	97.7	11.88	95.2	11.88	91.1	11.32	86.8	10.71
	30	238.4	109.1	13.28	103.0	12.02	97.7	11.48	95.2	10.71	91.1	10.87	86.8	10.24
		298.0	109.1	13.12	103.0	11.88	97.7	11.32	95.2	10.71	91.1	10.71	86.8	10.10
		596.0	109.1	12.49	103.0	11.32	97.7	10.71	95.2	10.71	91.1	10.10	86.8	9.54
		745.1	109.1	12.49	103.0	11.32	97.7	10.71	95.2	10.71	91.1	10.10	86.8	9.54
		894.0	109.1	12.49	103.0	11.32	97.7	10.71	95.2	10.71	91.1	10.10	86.8	9.54
	35	238.4	109.1	12.02	103.0	10.71	97.7	10.10	95.2	10.24	91.1	9.54	86.8	8.93
		298.0	109.1	11.88	103.0	10.71	97.7	10.10	95.2	10.10	91.1	9.54	86.8	8.93
		596.0	109.1	11.32	103.0	10.71	97.7	10.10	95.2	9.54	91.1	9.54	86.8	8.93
		745.1	109.1	11.32	103.0	10.71	97.7	10.10	95.2	9.54	91.1	9.54	86.8	8.93
		894.0	109.1	11.32	103.0	10.71	97.7	10.10	95.2	9.54	91.1	9.54	86.8	8.93
	40	238.4	109.1	10.87	103.0	10.24	97.7	9.70	95.2	8.93	91.1	9.09	86.8	8.32
		298.0	109.1	10.71	103.0	10.10	97.7	9.54	95.2	8.93	91.1	8.93	86.8	8.32
		596.0	109.1	10.10	103.0	9.54	97.7	8.93	95.2	8.93	91.1	8.32	86.8	8.32
		745.1	109.1	10.10	103.0	9.54	97.7	8.93	95.2	8.93	91.1	8.32	86.8	8.32
		894.0	109.1	10.10	103.0	9.54	97.7	8.93	95.2	8.93	91.1	8.32	86.8	8.32
	45	238.4	109.1	9.70	103.0	9.85	97.7	9.21	95.2	7.62	91.1	8.60	86.8	7.76
		298.0	109.1	9.54	103.0	9.54	97.7	8.93	95.2	7.76	91.1	8.32	86.8	7.76
		596.0	109.1	8.93	103.0	8.32	97.7	7.76	95.2	8.32	91.1	7.13	86.8	7.76
		745.1	109.1	8.93	103.0	8.32	97.7	7.76	95.2	8.32	91.1	7.13	86.8	7.76
		894.0	109.1	8.93	103.0	8.32	97.7	7.76	95.2	8.32	91.1	7.13	86.8	7.76

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB640LSA4

Heating Capacity (64 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	246.0	95.4	38.59	94.7	36.35	94.1	33.82	92.8	32.84	94.0	31.96	91.3	28.66
		307.5	98.6	39.26	97.9	37.04	97.3	34.57	96.0	33.54	97.3	32.65	94.5	29.29
		615.0	111.6	41.94	110.7	39.84	110.1	37.48	108.6	36.41	109.8	35.40	107.1	31.76
		768.8	123.5	44.59	122.2	42.57	121.6	40.42	120.1	39.32	121.6	38.18	118.4	34.25
		922.5	129.3	45.95	128.0	43.95	127.3	41.88	125.8	40.80	127.4	39.60	124.1	35.49
	0	246.0	170.3	52.77	166.4	51.21	162.9	49.54	159.4	48.15	160.0	46.83	152.7	41.94
		307.5	171.5	52.92	167.4	51.34	163.9	49.68	160.4	48.29	160.9	46.95	153.6	42.06
		615.0	175.6	53.49	171.3	51.84	167.7	50.26	164.1	48.85	164.7	47.46	157.4	42.57
		768.8	178.2	53.49	173.8	51.84	170.2	50.26	166.4	48.85	167.1	47.46	159.6	42.57
		922.5	179.5	53.49	175.1	51.84	171.5	50.26	167.7	48.85	168.3	47.46	160.7	42.57
	5	246.0	245.4	56.74	241.7	55.33	236.6	53.93	230.7	52.39	224.4	50.96	212.1	45.63
		307.5	246.2	57.00	242.2	55.61	236.8	54.19	230.7	52.67	224.4	51.21	212.1	45.88
		615.0	249.6	58.01	243.8	56.61	236.8	55.29	230.7	53.75	224.4	52.23	212.1	46.83
		768.8	251.1	58.39	244.5	57.00	236.8	55.67	230.7	54.12	224.4	52.60	212.1	47.14
		922.5	251.9	58.58	244.9	57.19	236.8	55.85	230.7	54.31	224.4	52.80	212.1	47.30
	10	246.0	245.7	51.63	241.7	49.89	235.9	48.94	229.8	47.87	223.6	46.23	211.2	41.71
		307.5	247.1	51.53	242.8	49.93	236.8	49.04	230.7	47.84	224.4	46.19	212.1	41.68
		615.0	253.0	51.15	247.3	50.13	240.6	49.42	234.5	47.77	227.8	46.07	215.4	41.55
		768.8	254.3	51.84	249.0	50.84	242.2	49.61	235.5	47.97	229.4	46.83	216.7	43.52
		922.5	255.0	52.19	249.9	51.19	242.8	49.70	236.1	48.07	230.1	47.21	217.6	44.52
	15	246.0	246.0	46.52	241.9	44.54	234.9	44.06	228.7	43.33	222.7	41.49	210.3	37.80
		307.5	248.1	46.07	243.6	44.34	236.8	43.96	230.7	43.01	224.4	41.18	212.1	37.48
		615.0	256.2	44.21	250.9	43.58	244.5	43.58	238.1	41.74	231.3	39.91	218.9	36.22
		768.8	257.5	45.30	253.4	44.59	247.3	43.58	240.6	41.74	234.5	41.05	221.4	39.91
		922.5	258.2	45.84	254.7	45.12	248.9	43.58	241.9	41.74	236.1	41.62	222.7	41.75
	20	246.0	255.4	42.69	250.9	40.70	244.1	39.82	237.4	38.52	230.4	37.67	216.9	36.53
		307.5	257.5	42.38	252.8	40.67	246.0	39.78	239.3	38.69	232.6	37.93	218.9	36.22
		615.0	265.6	41.18	260.9	40.54	253.5	39.66	246.8	39.32	240.6	38.93	226.9	35.01
		768.8	266.6	41.18	262.8	40.54	256.6	39.91	249.2	39.32	242.5	38.93	228.7	37.23
		922.5	267.3	41.18	263.7	40.54	258.0	40.03	250.5	39.32	243.4	38.93	229.8	38.36
	25	246.0	269.7	40.70	262.8	39.53	256.6	38.84	251.6	38.21	246.0	37.65	231.9	35.18
		307.5	269.7	40.54	262.8	39.45	256.6	38.69	251.6	38.05	246.0	37.48	231.9	35.01
		615.0	269.7	39.91	262.8	39.19	256.6	38.05	251.6	37.48	246.0	36.85	231.9	34.38
		768.8	269.7	39.32	262.8	38.18	256.6	37.48	251.6	36.85	246.0	36.22	231.9	33.79
		922.5	269.7	39.04	262.8	37.67	256.6	37.20	251.6	36.53	246.0	35.90	231.9	33.51
	30	246.0	269.7	39.66	262.8	37.67	256.6	37.33	251.6	36.35	246.0	35.96	231.9	33.47
		307.5	269.7	39.32	262.8	37.61	256.6	37.11	251.6	36.22	246.0	35.65	231.9	33.16
		615.0	269.7	38.05	262.8	37.35	256.6	36.22	251.6	35.65	246.0	34.38	231.9	31.96
		768.8	269.7	37.48	262.8	36.35	256.6	35.65	251.6	35.01	246.0	34.38	231.9	31.96
		922.5	269.7	37.20	262.8	35.83	256.6	35.36	251.6	34.70	246.0	34.38	231.9	31.96
	35	246.0	269.7	37.80	262.8	36.56	256.6	35.81	251.6	34.51	246.0	33.32	231.9	30.98
		307.5	269.7	37.48	262.8	36.35	256.6	35.65	251.6	34.38	246.0	33.16	231.9	30.69
		615.0	269.7	36.22	262.8	35.52	256.6	35.01	251.6	33.79	246.0	32.52	231.9	29.49
		768.8	269.7	36.22	262.8	35.14	256.6	34.38	251.6	33.16	246.0	31.96	231.9	29.49
		922.5	269.7	36.22	262.8	34.95	256.6	34.04	251.6	32.84	246.0	31.67	231.9	29.49
	40	246.0	269.7	36.53	262.8	35.36	256.6	34.68	251.6	33.47	246.0	32.28	231.9	29.14
		307.5	269.7	36.22	262.8	35.14	256.6	34.38	251.6	33.16	246.0	31.96	231.9	28.84
		615.0	269.7	35.01	262.8	34.25	256.6	33.16	251.6	31.96	246.0	30.69	231.9	27.64
		768.8	269.7	34.38	262.8	33.67	256.6	33.16	251.6	31.96	246.0	30.69	231.9	27.64
		922.5	269.7	34.04	262.8	33.38	256.6	33.16	251.6	31.96	246.0	30.69	231.9	27.64
	45	246.0	269.7	35.31	262.8	34.16	256.6	33.63	251.6	32.43	246.0	31.16	231.9	27.31
		307.5	269.7	35.01	262.8	33.92	256.6	33.16	251.6	31.96	246.0	30.69	231.9	27.00
		615.0	269.7	33.79	262.8	33.03	256.6	31.32	251.6	30.12	246.0	28.84	231.9	25.80
		768.8	269.7	32.52	262.8	32.21	256.6	31.96	251.6	30.69	246.0	29.49	231.9	25.80
		922.5	269.7	31.89	262.8	31.80	256.6	32.28	251.6	30.98	246.0	29.81	231.9	25.80
120	-5	246.0	90.6	38.59	90.0	36.35	89.4	33.82	88.3	32.39	89.0	31.45	86.7	28.16
		307.5	93.8	39.26	93.0	37.04	92.4	34.57	91.3	33.10	92.1	32.15	89.6	28.77
		615.0	106.2	41.94	105.2	39.84	104.7	37.48	103.3	35.90	104.3	34.88	101.5	31.26
		768.8	117.1	44.59	116.2	42.57	115.6	40.42	114.2	38.75	115.2	37.61	112.0	33.67
		922.5	122.9	45.95	121.9	43.95	121.0	41.88	119.7	40.19	120.6	38.99	117.1	34.90
	0	246.0	161.9	52.77	158.1	51.21	154.6	49.54	151.7	47.44	151.7	46.13	144.6	41.24
		307.5	162.9	52.92	159.0	51.34	155.5	49.68	152.4	47.59	152.4	46.25	145.5	41.36
		615.0	166.7	53.49	162.8	51.84	159.4	50.26	156.1	48.16	156.1	46.77	149.1	41.87
		768.8	169.3	53.49	165.4	51.84	161.9	50.26	158.5	48.16	158.3	46.77	151.3	41.87
		922.5	170.6	53.49	166.8	51.84	163.2	50.26	159.7	48.16	159.4	46.77	152.4	41.87
	5	246.0	233.6	56.74	230.0	55.33	225.0	53.93	219.5	51.63	212.7	50.18	201.0	44.94
		307.5	234.5	57.00	230.4	55.61	225.0	54.19	219.5	51.91	212.7	50.45	201.0	45.19
		615.0	237.8	58.01	232.3	56.61	225.0	55.29	219.5	52.99	212.7	51.47	201.0	46.07
		768.8	239.1	58.39	230.8	57.00	225.0	55.67	219.5	53.36	212.7	51.84	201.0	46.38
		922.5	239.7	58.58	230.2	57.19	225.0	55.85	219.5	53.56	212.7	52.04	201.0	46.54
	10	246.0	234.5	50.97	230.1	49.55	224.4	48.56	218.9	47.08	212.1	45.53	200.6	40.92
		307.5	235.5	51.15	231.0	49.74	225.0	48.72	219.5	47.14	212.7	45.50	201.0	40.99
		615.0	240.0	51.84	234.9	50.52	227.5	49.42	222.1	47.40	215.0	45.37	203.1	41.18
		768.8	241.3	51.66	234.0	50.52	228.5	49.61	223.0	47.59	215.9	45.56	204.1	42.57
		922.5	241.9	51.56	233.6	50.52	228.9	49.70	223.4	47.68	216.3	45.66	204.5	43.26

7. Capacity tables

Heating Capacity (64 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	15	246.0	235.1	45.21	230.4	43.87	223.7	43.19	218.3	42.53	211.6	40.83	199.9	37.01
		307.5	236.5	45.30	231.7	43.96	225.0	43.26	219.5	42.38	212.7	40.54	201.0	36.85
		615.0	241.9	45.69	237.4	44.34	230.1	43.58	224.4	41.74	217.0	39.32	205.4	36.22
		768.8	243.2	44.99	237.2	43.96	231.9	43.58	226.3	41.74	218.9	39.32	207.3	38.69
		922.5	243.9	44.62	237.2	43.77	233.0	43.58	227.2	41.74	219.8	39.32	208.2	39.95
	20	246.0	241.7	40.67	237.2	38.93	230.0	37.89	223.6	37.35	216.3	36.88	204.8	35.01
		307.5	243.2	40.67	238.5	39.06	231.3	38.05	225.0	37.48	217.6	36.85	205.8	34.88
		615.0	249.4	40.67	244.2	39.66	236.2	38.69	230.7	38.05	223.1	36.72	210.8	34.38
		768.8	250.5	40.29	243.9	39.32	238.1	38.69	231.9	38.05	224.4	36.85	212.1	35.65
		922.5	251.1	40.10	243.9	39.16	239.1	38.69	232.7	38.05	225.2	36.91	212.7	36.28
	25	246.0	253.4	38.46	246.0	36.66	238.1	35.96	233.0	35.18	226.9	34.51	214.4	32.11
		307.5	253.5	38.30	246.0	36.59	238.1	35.90	233.0	35.01	226.9	34.38	214.4	31.96
		615.0	254.1	37.74	246.0	36.35	238.1	35.65	233.0	34.38	226.9	33.79	214.4	31.32
		768.8	254.8	36.35	246.0	35.40	238.1	35.01	233.0	34.38	226.9	33.16	214.4	31.32
		922.5	255.3	35.64	246.0	34.92	238.1	34.70	233.0	34.38	226.9	32.84	214.4	31.32
	30	246.0	254.8	36.78	246.0	34.96	238.1	33.97	233.0	32.67	226.9	32.28	214.4	29.65
		307.5	254.8	36.47	246.0	34.77	238.1	33.79	233.0	32.52	226.9	31.96	214.4	29.49
		615.0	254.8	35.27	246.0	33.92	238.1	33.16	233.0	31.96	226.9	30.69	214.4	28.84
		768.8	254.8	34.10	246.0	33.16	238.1	32.52	233.0	31.96	226.9	30.69	214.4	28.27
		922.5	254.8	33.54	246.0	32.78	238.1	32.21	233.0	31.96	226.9	30.69	214.4	27.98
	35	246.0	254.8	35.12	246.0	33.21	238.1	32.28	233.0	30.98	226.9	29.78	214.4	27.15
		307.5	254.8	34.64	246.0	32.91	238.1	31.96	233.0	30.69	226.9	29.49	214.4	27.00
		615.0	254.8	32.65	246.0	31.70	238.1	30.69	233.0	29.49	226.9	28.27	214.4	26.43
		768.8	254.8	32.28	246.0	31.45	238.1	30.69	233.0	29.49	226.9	28.27	214.4	25.80
		922.5	254.8	32.08	246.0	31.32	238.1	30.69	233.0	29.49	226.9	28.27	214.4	25.48
	40	246.0	254.8	34.08	246.0	31.70	238.1	30.44	233.0	29.14	226.9	27.95	214.4	25.30
		307.5	254.8	33.41	246.0	31.32	238.1	30.12	233.0	28.84	226.9	27.64	214.4	25.17
		615.0	254.8	30.82	246.0	29.87	238.1	28.84	233.0	27.64	226.9	26.43	214.4	24.59
		768.8	254.8	30.44	246.0	29.49	238.1	28.84	233.0	27.64	226.9	26.43	214.4	23.96
		922.5	254.8	30.24	246.0	29.29	238.1	28.84	233.0	27.64	226.9	26.43	214.4	23.62
	45	246.0	254.8	33.03	246.0	30.16	238.1	28.60	233.0	27.31	226.9	26.11	214.4	23.46
		307.5	254.8	32.21	246.0	29.74	238.1	28.27	233.0	27.00	226.9	25.80	214.4	23.31
		615.0	254.8	28.98	246.0	28.01	238.1	27.00	233.0	25.80	226.9	24.59	214.4	22.74
		768.8	254.8	28.58	246.0	27.51	238.1	27.00	233.0	25.80	226.9	24.59	214.4	22.10
		922.5	254.8	28.40	246.0	27.25	238.1	27.00	233.0	25.80	226.9	24.59	214.4	21.79
110	-5	246.0	85.8	39.10	85.1	36.35	84.7	33.82	83.8	32.39	83.9	31.45	82.2	28.16
		307.5	88.7	39.78	88.1	37.04	87.7	34.57	86.7	33.10	86.8	32.15	84.9	28.77
		615.0	100.4	42.44	99.8	39.84	99.2	37.48	98.2	35.90	98.2	34.88	96.2	31.26
		768.8	110.7	45.19	110.1	42.57	109.5	40.42	108.4	38.75	108.4	37.61	106.2	33.67
		922.5	116.1	46.55	115.2	43.95	114.6	41.88	113.5	40.19	113.5	38.99	111.1	34.90
	0	246.0	153.2	53.49	149.8	51.21	146.8	49.54	144.0	47.44	142.7	46.13	137.2	41.24
		307.5	154.2	53.62	150.8	51.34	147.6	49.68	144.7	47.59	143.4	46.25	138.0	41.36
		615.0	157.7	54.12	154.3	51.84	151.0	50.26	148.1	48.16	146.8	46.77	141.2	41.87
		768.8	160.0	54.12	156.8	51.84	153.4	50.26	150.4	48.16	149.1	46.77	143.3	41.87
		922.5	161.3	54.12	158.1	51.84	154.6	50.26	151.6	48.16	150.2	46.77	144.3	41.87
	5	246.0	223.6	57.50	218.2	55.33	213.1	53.93	208.4	51.63	200.3	50.18	190.5	44.94
		307.5	224.3	57.75	218.6	55.61	213.1	54.19	208.4	51.91	200.3	50.45	190.5	45.19
		615.0	227.2	58.77	220.4	56.61	213.4	55.29	208.4	52.99	200.3	51.47	190.5	46.07
		768.8	228.5	59.14	220.8	57.00	213.4	55.67	208.4	53.36	200.3	51.84	190.5	46.38
		922.5	229.2	59.34	221.2	57.19	213.4	55.85	208.4	53.56	200.3	52.04	190.5	46.54
	10	246.0	224.4	51.56	218.9	49.80	212.9	48.72	208.0	47.08	199.9	45.53	190.3	40.92
		307.5	225.3	51.66	219.5	49.93	213.1	48.85	208.4	47.14	200.3	45.50	190.5	40.99
		615.0	228.5	52.04	221.7	50.52	214.4	49.42	209.7	47.40	201.6	45.37	191.4	41.18
		768.8	229.8	52.04	222.7	50.52	215.3	49.29	209.9	47.27	202.0	45.56	192.0	41.62
		922.5	230.6	52.04	223.1	50.52	215.7	49.24	210.2	47.21	202.2	45.66	192.3	41.84
	15	246.0	225.0	45.62	219.1	44.34	212.7	43.58	207.7	42.53	199.7	40.83	190.1	37.01
		307.5	225.9	45.56	219.9	44.34	213.4	43.58	208.4	42.38	200.3	40.54	190.5	36.85
		615.0	229.8	45.30	223.1	44.34	215.9	43.58	210.8	41.74	202.9	39.32	192.4	36.22
		768.8	231.0	44.99	224.3	43.96	217.0	43.01	211.6	41.18	203.5	39.32	193.5	36.85
		922.5	231.7	44.82	224.9	43.77	217.6	42.72	211.9	40.88	203.8	39.32	194.2	37.17
	20	246.0	229.1	39.38	223.0	38.43	215.7	37.48	209.9	36.85	202.3	35.81	191.6	33.47
		307.5	230.4	39.45	223.7	38.43	216.3	37.48	210.8	36.85	202.9	35.65	192.4	33.41
		615.0	235.3	39.78	226.8	38.43	218.9	37.48	214.0	36.85	205.4	35.01	195.4	33.16
		768.8	236.8	39.78	228.5	38.43	220.2	37.48	214.4	36.22	206.5	35.01	195.9	33.16
		922.5	237.4	39.78	229.5	38.43	220.8	37.48	214.8	35.90	207.1	35.01	196.2	33.16
	25	246.0	236.4	35.83	229.4	34.51	220.2	33.97	215.3	32.67	207.8	31.48	196.7	28.84
		307.5	236.8	35.77	229.4	34.38	220.2	33.79	215.3	32.52	207.8	31.32	196.7	28.84
		615.0	238.7	35.52	229.4	33.79	220.2	33.16	215.3	31.96	207.8	30.69	196.7	28.84
		768.8	240.0	35.52	229.4	33.92	220.2	32.52	215.3	31.96	207.8	30.12	196.7	28.27
		922.5	240.4	35.52	229.4	33.99	220.2	32.21	215.3	31.96	207.8	29.83	196.7	27.98
	30	246.0	240.0	32.67	229.4	31.48	220.2	30.28	215.3	29.65	207.8	27.79	196.7	25.95
		307.5	240.0	32.52	229.4	31.32	220.2	30.12	215.3	29.49	207.8	27.64	196.7	25.80
		615.0	240.0	31.96	229.4	30.69	220.2	29.49	215.3	28.84	207.8	27.00	196.7	25.17
		768.8	240.0	31.70	229.4	30.12	220.2	28.84	215.3	28.27	207.8	27.00	196.7	25.17
		922.5	240.0	31.58	229.4	29.83	220.2	28.51	215.3	27.98	207.8	27.00	196.7	25.17
	35	246.0	240.0	30.98	229.4	28.99	220.2	27.79	215.3	26.59	207.8	25.30	196.7	23.46
		307.5	240.0	30.69	229.4	28.84	220.2	27.64	215.3	26.43	207.8	25.17	196.7	23.31
		615.0	240.0	29.49	229.4	28.27	220.2	27.00	215.3	25.80	207.8	24.59	196.7	22.74
		768.8	240.0	28.71	229.4	27.64	220.2	26.43	215.3	25.80	207.8	24.59	196.7	22.74
		922.5	240.0	28.33	229.4	27.32	220.2	26.15	215.3	25.80	207.8	24.59	196.7	22.74

7. Capacity tables

Heating Capacity (64 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	40	246.0	240.0	29.14	229.4	27.95	220.2	26.11	215.3	24.76	207.8	23.46	196.7	21.62
		307.5	240.0	28.84	229.4	27.64	220.2	25.80	215.3	24.59	207.8	23.31	196.7	21.47
		615.0	240.0	27.64	229.4	26.43	220.2	24.59	215.3	23.96	207.8	22.74	196.7	20.90
		768.8	240.0	27.25	229.4	25.80	220.2	24.59	215.3	23.31	207.8	22.10	196.7	20.27
		922.5	240.0	27.06	229.4	25.48	220.2	24.59	215.3	22.99	207.8	21.79	196.7	19.95
	45	246.0	240.0	27.31	229.4	26.90	220.2	24.41	215.3	22.90	207.8	21.62	196.7	19.77
		307.5	240.0	27.00	229.4	26.43	220.2	23.96	215.3	22.74	207.8	21.47	196.7	19.63
		615.0	240.0	25.80	229.4	24.59	220.2	22.10	215.3	22.10	207.8	20.90	196.7	19.07
		768.8	240.0	25.80	229.4	23.96	220.2	22.74	215.3	20.90	207.8	19.63	196.7	17.78
		922.5	240.0	25.80	229.4	23.62	220.2	23.05	215.3	20.30	207.8	18.98	196.7	17.15
100	-5	246.0	81.0	39.10	80.4	36.85	80.0	33.82	79.4	32.39	78.7	30.95	77.2	28.16
		307.5	83.8	39.78	83.2	37.54	82.9	34.57	82.2	33.10	81.3	31.64	80.0	28.77
		615.0	95.0	42.44	94.3	40.35	93.8	37.48	92.8	35.90	92.1	34.38	90.6	31.26
		768.8	104.9	45.19	104.1	43.13	103.4	40.42	102.6	38.75	101.8	37.04	99.9	33.67
		922.5	109.8	46.55	109.0	44.56	108.4	41.88	107.5	40.19	106.9	38.39	104.7	34.90
	0	246.0	144.9	53.49	141.7	51.91	138.8	49.54	136.3	47.44	133.8	45.43	129.3	41.24
		307.5	145.7	53.62	142.5	52.04	139.5	49.68	137.0	47.59	134.7	45.56	129.9	41.36
		615.0	149.1	54.12	145.9	52.54	142.7	50.26	140.2	48.16	137.9	46.07	133.1	41.87
		768.8	151.3	54.12	148.1	52.54	145.0	50.26	142.3	48.16	139.9	46.07	135.0	41.87
		922.5	152.4	54.12	149.4	52.54	146.2	50.26	143.4	48.16	140.8	46.07	136.1	41.87
	5	246.0	213.8	57.50	206.7	56.11	201.3	53.93	197.4	51.63	187.9	49.42	179.2	44.94
		307.5	214.4	57.75	207.0	56.36	201.4	54.19	197.4	51.91	187.9	49.68	179.2	45.19
		615.0	217.6	58.77	208.6	57.37	201.6	55.29	197.4	52.99	187.9	50.71	179.2	46.07
		768.8	218.9	59.14	209.0	57.75	201.6	55.67	197.4	53.36	187.9	51.02	179.2	46.38
		922.5	219.5	59.34	209.3	57.95	201.6	55.85	197.4	53.56	187.9	51.19	179.2	46.54
	10	246.0	215.0	51.41	207.4	50.30	201.6	48.72	197.4	47.08	187.9	44.74	179.2	40.92
		307.5	215.4	51.66	207.6	50.45	201.6	48.85	197.4	47.14	187.9	44.80	179.2	40.99
		615.0	217.6	52.60	208.7	51.09	201.6	49.42	197.4	47.40	187.9	44.99	179.2	41.18
		768.8	219.1	52.42	209.7	51.09	201.6	49.29	197.4	47.27	187.9	44.86	179.2	40.99
		922.5	219.8	52.32	210.2	51.09	201.6	49.24	197.4	47.21	187.9	44.78	179.2	40.88
	15	246.0	216.1	45.34	208.2	44.56	201.6	43.58	197.4	42.53	187.9	40.04	179.2	37.01
		307.5	216.3	45.56	208.4	44.59	201.6	43.58	197.4	42.38	187.9	39.91	179.2	36.85
		615.0	217.6	46.45	208.9	44.72	201.6	43.58	197.4	41.74	187.9	39.32	179.2	36.22
		768.8	219.5	45.69	209.9	44.34	201.6	43.01	197.4	41.18	187.9	38.69	179.2	35.65
		922.5	220.4	45.30	210.6	44.15	201.6	42.72	197.4	40.88	187.9	38.37	179.2	35.36
	20	246.0	217.3	38.78	209.3	37.76	201.6	36.85	197.4	36.35	187.9	33.97	179.2	32.28
		307.5	218.2	38.93	209.5	37.80	201.6	36.85	197.4	36.22	187.9	33.79	179.2	31.96
		615.0	221.4	39.66	209.9	37.93	201.6	36.85	197.4	35.65	187.9	33.16	179.2	30.69
		768.8	222.7	38.93	211.9	37.61	201.6	36.22	197.4	35.01	187.9	32.52	179.2	30.12
		922.5	223.3	38.59	212.9	37.45	201.6	35.90	197.4	34.70	187.9	32.21	179.2	29.83
	25	246.0	219.9	33.88	212.7	32.84	201.6	31.48	197.4	30.28	187.9	28.42	179.2	25.80
		307.5	220.8	33.92	212.7	32.65	201.6	31.32	197.4	30.12	187.9	28.27	179.2	25.80
		615.0	224.0	34.04	212.7	31.96	201.6	30.69	197.4	29.49	187.9	27.64	179.2	25.80
		768.8	225.0	33.28	212.7	31.70	201.6	30.12	197.4	28.84	187.9	27.64	179.2	25.17
		922.5	225.7	32.91	212.7	31.58	201.6	29.83	197.4	28.51	187.9	27.64	179.2	24.85
	30	246.0	225.0	30.83	212.7	28.42	201.6	26.49	197.4	25.95	187.9	23.96	179.2	22.90
		307.5	225.0	30.69	212.7	28.27	201.6	26.43	197.4	25.80	187.9	23.96	179.2	22.74
		615.0	225.0	30.12	212.7	27.64	201.6	26.17	197.4	25.17	187.9	23.96	179.2	22.10
		768.8	225.0	29.49	212.7	27.64	201.6	25.80	197.4	25.17	187.9	23.31	179.2	22.10
		922.5	225.0	29.16	212.7	27.64	201.6	25.61	197.4	25.17	187.9	22.99	179.2	22.10
	35	246.0	225.0	28.60	212.7	26.11	201.6	23.37	197.4	22.90	187.9	21.62	179.2	19.77
		307.5	225.0	28.27	212.7	25.80	201.6	23.31	197.4	22.74	187.9	21.47	179.2	19.63
		615.0	225.0	27.00	212.7	24.59	201.6	23.05	197.4	22.10	187.9	20.90	179.2	19.07
		768.8	225.0	27.00	212.7	24.59	201.6	22.74	197.4	22.10	187.9	20.90	179.2	19.07
		922.5	225.0	27.00	212.7	24.59	201.6	22.58	197.4	22.10	187.9	20.90	179.2	19.07
	40	246.0	225.0	26.75	212.7	24.26	201.6	20.97	197.4	20.43	187.9	19.23	179.2	17.94
		307.5	225.0	26.43	212.7	23.96	201.6	20.90	197.4	20.27	187.9	19.07	179.2	17.78
		615.0	225.0	25.17	212.7	22.74	201.6	20.65	197.4	19.63	187.9	18.44	179.2	17.22
		768.8	225.0	24.59	212.7	22.74	201.6	20.27	197.4	19.63	187.9	18.44	179.2	17.22
		922.5	225.0	24.31	212.7	22.74	201.6	20.08	197.4	19.63	187.9	18.44	179.2	17.22
	45	246.0	225.0	24.91	212.7	22.42	201.6	18.50	197.4	17.94	187.9	16.74	179.2	16.10
		307.5	225.0	24.59	212.7	22.10	201.6	18.44	197.4	17.78	187.9	16.58	179.2	15.95
		615.0	225.0	23.31	212.7	20.90	201.6	18.16	197.4	17.22	187.9	15.95	179.2	15.38
		768.8	225.0	22.10	212.7	20.90	201.6	17.78	197.4	17.22	187.9	15.95	179.2	15.38
		922.5	225.0	21.51	212.7	20.90	201.6	17.59	197.4	17.22	187.9	15.95	179.2	15.38
90	-5	246.0	76.5	36.29	74.2	33.06	71.9	29.03	71.4	27.66	70.8	26.65	69.7	23.94
		307.5	79.1	36.91	76.8	33.67	74.5	29.68	73.9	28.27	73.3	27.25	72.1	24.46
		615.0	89.6	39.38	86.8	36.16	84.2	32.21	83.6	30.69	83.2	29.61	81.3	26.56
		768.8	99.0	41.87	95.8	38.69	93.0	34.77	92.2	33.10	91.8	31.89	90.0	28.64
		922.5	103.7	43.11	100.5	39.97	97.5	36.03	96.6	34.32	96.0	33.06	94.3	29.72
	0	246.0	136.9	49.42	130.6	46.38	124.5	42.59	122.6	40.61	120.6	39.09	116.1	35.11
		307.5	137.6	49.55	131.2	46.51	125.2	42.70	123.5	40.73	121.3	39.19	116.9	35.20
		615.0	140.8	50.08	134.4	47.01	128.3	43.13	126.1	41.18	124.2	39.66	119.7	35.59
		768.8	143.0	50.08	136.3	47.01	130.3	43.13	128.0	41.18	126.1	39.66	121.6	35.59
		922.5	144.0	50.08	137.4	47.01	131.4	43.13	129.0	41.18	127.3	39.66	122.5	35.59
	5	246.0	193.3	53.07	187.1	50.08	181.1	46.36	177.3	44.18	169.6	42.53	161.5	38.18
		307.5	193.5	53.30	186.9	50.33	181.1	46.58	177.3	44.41	169.6	42.76	161.5	38.37
		615.0	194.3	54.25	186.5	51.28	181.1	47.46	177.3	45.30	169.6	43.65	161.5	39.13
		768.8	195.4	54.57	186.9	51.60	181.1	47.84	177.3	45.62	169.6	43.96	161.5	39.45
		922.5	195.9	54.73	187.3	51.75	181.1	48.03	177.3	45.78	169.6	44.11	161.5	39.62

7. Capacity tables

Heating Capacity (64 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	10	246.0	194.3	46.86	187.8	44.56	181.1	41.94	177.3	40.23	169.6	38.59	161.5	34.79
		307.5	194.3	46.89	187.5	44.59	181.1	42.00	177.3	40.29	169.6	38.56	161.5	34.83
		615.0	193.9	47.01	186.6	44.80	181.1	42.18	177.3	40.47	169.6	38.43	161.5	34.95
		768.8	195.2	46.89	187.1	44.65	181.1	42.06	177.3	40.35	169.6	38.56	161.5	35.08
		922.5	195.8	46.83	187.5	44.59	181.1	42.00	177.3	40.29	169.6	38.62	161.5	35.14
	15	246.0	195.4	40.57	188.4	39.10	181.1	37.65	177.3	36.35	169.6	34.68	161.5	31.48
		307.5	195.0	40.42	188.1	38.93	181.1	37.48	177.3	36.22	169.6	34.38	161.5	31.32
		615.0	193.7	39.78	186.9	38.30	181.1	36.85	177.3	35.65	169.6	33.16	161.5	30.69
		768.8	195.0	39.19	187.3	37.74	181.1	36.22	177.3	35.01	169.6	33.16	161.5	30.69
		922.5	195.8	38.91	187.5	37.45	181.1	35.90	177.3	34.70	169.6	33.16	161.5	30.69
	20	246.0	196.5	34.25	189.2	33.25	181.1	32.11	177.3	30.83	169.6	29.78	161.5	27.95
		307.5	196.5	34.25	188.8	33.16	181.1	31.96	177.3	30.69	169.6	29.49	161.5	27.64
		615.0	195.6	34.25	187.3	32.78	181.1	31.32	177.3	30.12	169.6	28.27	161.5	26.43
		768.8	196.2	33.67	187.9	32.52	181.1	31.32	177.3	30.12	169.6	28.27	161.5	26.43
		922.5	196.5	33.38	188.2	32.40	181.1	31.32	177.3	30.12	169.6	28.27	161.5	26.43
	25	246.0	199.7	29.93	191.6	28.33	181.1	27.15	177.3	25.80	169.6	24.76	161.5	22.90
		307.5	200.3	29.87	191.6	28.27	181.1	27.00	177.3	25.80	169.6	24.59	161.5	22.74
		615.0	202.2	29.61	191.6	28.01	181.1	26.43	177.3	25.80	169.6	23.96	161.5	22.10
		768.8	202.9	28.84	191.6	27.38	181.1	26.43	177.3	25.17	169.6	23.96	161.5	22.10
		922.5	203.3	28.45	191.6	27.06	181.1	26.43	177.3	24.85	169.6	23.96	161.5	22.10
	30	246.0	202.9	27.15	191.6	25.30	181.1	23.46	177.3	22.90	169.6	21.62	161.5	19.63
		307.5	202.9	27.00	191.6	25.17	181.1	23.31	177.3	22.74	169.6	21.47	161.5	19.63
		615.0	202.9	26.43	191.6	24.59	181.1	22.74	177.3	22.10	169.6	20.90	161.5	19.63
		768.8	202.9	25.80	191.6	23.96	181.1	22.74	177.3	22.10	169.6	20.90	161.5	19.07
		922.5	202.9	25.48	191.6	23.62	181.1	22.74	177.3	22.10	169.6	20.90	161.5	18.76
	35	246.0	202.9	24.76	191.6	22.90	181.1	21.06	177.3	20.43	169.6	19.23	161.5	17.94
		307.5	202.9	24.59	191.6	22.74	181.1	20.90	177.3	20.27	169.6	19.07	161.5	17.78
		615.0	202.9	23.96	191.6	22.10	181.1	20.27	177.3	19.63	169.6	18.44	161.5	17.22
		768.8	202.9	23.31	191.6	21.47	181.1	19.63	177.3	19.07	169.6	18.44	161.5	17.22
		922.5	202.9	22.99	191.6	21.16	181.1	19.32	177.3	18.76	169.6	18.44	161.5	17.22
	40	246.0	202.9	23.05	191.6	21.06	181.1	18.59	177.3	17.94	169.6	17.37	161.5	16.10
		307.5	202.9	22.74	191.6	20.90	181.1	18.44	177.3	17.78	169.6	17.22	161.5	15.95
		615.0	202.9	21.47	191.6	20.27	181.1	17.78	177.3	17.22	169.6	16.58	161.5	15.38
		768.8	202.9	21.47	191.6	20.27	181.1	17.78	177.3	17.22	169.6	16.58	161.5	15.38
		922.5	202.9	21.47	191.6	20.27	181.1	17.78	177.3	17.22	169.6	16.58	161.5	15.38
	45	246.0	202.9	21.38	191.6	19.23	181.1	16.10	177.3	15.53	169.6	15.53	161.5	14.24
		307.5	202.9	20.90	191.6	19.07	181.1	15.95	177.3	15.38	169.6	15.38	161.5	14.11
		615.0	202.9	19.07	191.6	18.44	181.1	15.38	177.3	14.75	169.6	14.75	161.5	13.54
		768.8	202.9	19.63	191.6	19.07	181.1	15.95	177.3	15.38	169.6	14.75	161.5	13.54
		922.5	202.9	19.93	191.6	19.39	181.1	16.23	177.3	15.69	169.6	14.75	161.5	13.54
80	-5	246.0	72.3	25.86	67.8	24.87	64.2	23.81	63.4	23.01	63.1	21.95	61.8	20.21
		307.5	74.9	26.43	70.1	25.41	66.3	24.35	65.7	23.50	65.3	22.42	64.0	20.65
		615.0	84.5	28.71	79.4	27.57	74.9	26.37	74.2	25.48	73.9	24.35	72.3	22.36
		768.8	93.5	30.94	87.7	29.74	82.9	28.45	81.9	27.51	81.5	26.24	80.0	24.15
		922.5	98.2	32.06	91.8	30.82	86.8	29.52	85.8	28.55	85.5	27.19	83.6	25.04
	0	246.0	129.3	37.95	119.1	36.41	111.0	34.92	108.8	33.69	107.3	32.11	103.3	29.59
		307.5	129.9	38.05	119.7	36.53	111.6	35.01	109.5	33.79	108.1	32.21	103.9	29.68
		615.0	133.1	38.50	122.6	36.98	114.2	35.40	112.0	34.17	110.7	32.59	106.3	30.00
		768.8	135.0	38.50	124.5	36.98	116.1	35.40	113.9	34.17	112.4	32.59	108.1	30.00
		922.5	135.9	38.50	125.4	36.98	117.1	35.40	114.6	34.17	113.3	32.59	108.8	30.00
	5	246.0	178.6	41.27	168.6	39.69	161.3	37.92	157.7	36.66	151.0	34.96	143.4	32.17
		307.5	179.2	41.49	169.0	39.91	161.3	38.11	157.7	36.85	151.0	35.14	143.4	32.34
		615.0	180.5	42.38	170.2	40.67	161.5	38.93	157.7	37.61	151.0	35.83	143.4	33.03
		768.8	180.5	42.63	170.2	40.99	161.5	39.19	157.7	37.87	151.0	36.09	143.4	33.23
		922.5	180.5	42.76	170.0	41.14	161.5	39.34	157.7	37.99	151.0	36.22	143.4	33.32
	10	246.0	179.6	37.98	169.3	36.25	161.3	34.42	157.7	33.47	151.0	31.70	143.4	29.33
		307.5	179.8	37.93	169.6	36.22	161.3	34.44	157.7	33.47	151.0	31.70	143.4	29.36
		615.0	180.5	37.74	170.2	36.03	161.5	34.51	157.7	33.54	151.0	31.76	143.4	29.42
		768.8	180.5	37.61	170.2	36.16	161.5	34.64	157.7	33.35	151.0	31.58	143.4	29.24
		922.5	180.5	37.54	170.0	36.22	161.5	34.70	157.7	33.25	151.0	31.48	143.4	29.14
	15	246.0	180.5	34.68	170.2	32.84	161.5	30.83	157.7	30.28	151.0	28.42	143.4	26.59
		307.5	180.5	34.38	170.2	32.52	161.5	30.69	157.7	30.12	151.0	28.27	143.4	26.43
		615.0	180.5	33.16	170.2	31.32	161.5	30.12	157.7	29.49	151.0	27.64	143.4	25.80
		768.8	180.5	32.52	170.2	31.32	161.5	30.12	157.7	28.84	151.0	27.00	143.4	25.17
		922.5	180.5	32.21	170.2	31.32	161.5	30.12	157.7	28.51	151.0	26.69	143.4	24.85
	20	246.0	180.5	28.99	170.2	27.79	161.5	26.43	157.7	25.95	151.0	24.76	143.4	22.90
		307.5	180.5	28.84	170.2	27.64	161.5	26.43	157.7	25.80	151.0	24.59	143.4	22.74
		615.0	180.5	28.27	170.2	27.00	161.5	26.43	157.7	25.17	151.0	23.96	143.4	22.10
		768.8	180.5	27.64	170.2	26.43	161.5	25.80	157.7	25.17	151.0	23.31	143.4	22.10
		922.5	180.5	27.32	170.2	26.15	161.5	25.48	157.7	25.17	151.0	22.99	143.4	22.10
	25	246.0	180.5	25.95	170.2	24.12	161.5	22.74	157.7	22.27	151.0	21.06	143.4	19.77
		307.5	180.5	25.80	170.2	23.96	161.5	22.74	157.7	22.10	151.0	20.90	143.4	19.63
		615.0	180.5	25.17	170.2	23.31	161.5	22.74	157.7	21.47	151.0	20.27	143.4	19.07
		768.8	180.5	24.59	170.2	23.31	161.5	22.10	157.7	21.47	151.0	20.27	143.4	19.07
		922.5	180.5	24.31	170.2	23.31	161.5	21.79	157.7	21.47	151.0	20.27	143.4	19.07
	30	246.0	180.5	22.90	170.2	21.62	161.5	20.43	157.7	19.77	151.0	18.59	143.4	17.37
		307.5	180.5	22.74	170.2	21.47	161.5	20.27	157.7	19.63	151.0	18.44	143.4	17.22
		615.0	180.5	22.10	170.2	20.90	161.5	19.63	157.7	19.07	151.0	17.78	143.4	16.58
		768.8	180.5	22.10	170.2	20.90	161.5	19.63	157.7	19.07	151.0	17.78	143.4	16.58
		922.5	180.5	22.10	170.2	20.90	161.5	19.63	157.7	19.07	151.0	17.78	143.4	16.58

7. Capacity tables

Heating Capacity (64 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	35	246.0	180.5	21.06	170.2	19.77	161.5	17.94	157.7	17.22	151.0	16.74	143.4	15.38
		307.5	180.5	20.90	170.2	19.63	161.5	17.78	157.7	17.22	151.0	16.58	143.4	15.38
		615.0	180.5	20.27	170.2	19.07	161.5	17.22	157.7	17.22	151.0	15.95	143.4	15.38
		768.8	180.5	20.27	170.2	18.44	161.5	17.22	157.7	16.58	151.0	15.95	143.4	14.75
		922.5	180.5	20.27	170.2	18.09	161.5	17.22	157.7	16.27	151.0	15.95	143.4	14.43
	40	246.0	180.5	19.93	170.2	17.94	161.5	15.95	157.7	16.10	151.0	14.75	143.4	14.24
		307.5	180.5	19.63	170.2	17.78	161.5	15.95	157.7	15.95	151.0	14.75	143.4	14.11
		615.0	180.5	18.44	170.2	17.22	161.5	15.95	157.7	15.38	151.0	14.75	143.4	13.54
		768.8	180.5	18.44	170.2	17.22	161.5	15.38	157.7	15.38	151.0	14.75	143.4	13.54
		922.5	180.5	18.44	170.2	17.22	161.5	15.09	157.7	15.38	151.0	14.75	143.4	13.54
	45	246.0	180.5	18.89	170.2	16.10	161.5	13.95	157.7	15.04	151.0	12.73	143.4	13.20
		307.5	180.5	18.44	170.2	15.95	161.5	14.11	157.7	14.75	151.0	12.89	143.4	12.89
		615.0	180.5	16.58	170.2	15.38	161.5	14.75	157.7	13.54	151.0	13.54	143.4	11.68
		768.8	180.5	16.58	170.2	15.95	161.5	13.54	157.7	14.11	151.0	13.54	143.4	12.26
		922.5	180.5	16.58	170.2	16.23	161.5	12.92	157.7	14.40	151.0	13.54	143.4	12.54
70	-5	246.0	63.1	22.20	59.3	21.13	56.1	20.45	55.4	19.28	55.1	18.59	54.2	16.92
		307.5	65.3	22.68	61.4	21.60	58.0	20.90	57.4	19.70	57.0	19.00	56.1	17.27
		615.0	73.9	24.59	69.4	23.44	65.5	22.68	64.9	21.34	64.6	20.58	63.4	18.76
		768.8	81.9	26.56	76.8	25.29	72.3	24.46	71.7	22.99	71.3	22.23	70.0	20.21
		922.5	85.8	27.54	80.4	26.21	75.9	25.35	75.3	23.83	74.6	23.07	73.2	20.93
	0	246.0	113.0	32.49	104.3	30.98	96.9	29.96	95.3	28.20	93.8	27.25	90.5	24.78
		307.5	113.7	32.59	105.0	31.07	97.5	30.05	95.8	28.27	94.3	27.32	90.9	24.85
		615.0	116.2	32.97	107.5	31.39	99.8	30.44	98.2	28.58	96.6	27.64	93.0	25.10
		768.8	118.0	32.97	109.2	31.39	101.2	30.44	99.6	28.58	98.2	27.64	94.5	25.10
		922.5	118.8	32.97	110.1	31.39	102.0	30.44	100.4	28.58	98.8	27.64	95.3	25.10
	5	246.0	156.1	35.40	147.8	33.69	140.8	32.62	137.9	30.72	131.6	29.64	125.4	26.93
		307.5	156.4	35.59	148.1	33.86	140.8	32.78	137.9	30.88	131.6	29.81	125.4	27.06
		615.0	157.7	36.28	149.2	34.57	141.0	33.47	137.9	31.45	131.6	30.44	125.4	27.64
		768.8	157.7	36.53	149.1	34.83	141.0	33.73	137.9	31.70	131.6	30.63	125.4	27.82
		922.5	157.7	36.66	149.1	34.95	141.0	33.86	137.9	31.83	131.6	30.72	125.4	27.92
	10	246.0	156.8	32.59	148.5	30.82	141.0	29.68	137.9	28.01	131.6	26.87	125.4	24.59
		307.5	157.0	32.52	148.5	30.76	141.0	29.61	137.9	28.01	131.6	26.87	125.4	24.59
		615.0	157.7	32.28	149.1	30.50	141.0	29.36	137.9	28.01	131.6	26.87	125.4	24.59
		768.8	157.7	32.40	149.1	30.63	141.0	29.49	137.9	28.14	131.6	26.69	125.4	24.66
		922.5	157.7	32.46	149.1	30.69	141.0	29.55	137.9	28.20	131.6	26.58	125.4	24.69
	15	246.0	157.7	29.78	149.1	27.95	141.0	26.75	137.9	25.30	131.6	24.12	125.4	22.27
		307.5	157.7	29.49	149.1	27.64	141.0	26.43	137.9	25.17	131.6	23.96	125.4	22.10
		615.0	157.7	28.27	149.1	26.43	141.0	25.17	137.9	24.59	131.6	23.31	125.4	21.47
		768.8	157.7	28.27	149.1	26.43	141.0	25.17	137.9	24.59	131.6	22.74	125.4	21.47
		922.5	157.7	28.27	149.1	26.43	141.0	25.17	137.9	24.59	131.6	22.45	125.4	21.47
	20	246.0	157.7	24.76	149.1	23.46	141.0	22.90	137.9	22.27	131.6	21.06	125.4	19.77
		307.5	157.7	24.59	149.1	23.31	141.0	22.74	137.9	22.10	131.6	20.90	125.4	19.63
		615.0	157.7	23.96	149.1	22.74	141.0	22.10	137.9	21.47	131.6	20.27	125.4	19.07
		768.8	157.7	23.96	149.1	22.74	141.0	22.10	137.9	20.90	131.6	20.27	125.4	18.44
		922.5	157.7	23.96	149.1	22.74	141.0	22.10	137.9	20.62	131.6	20.27	125.4	18.09
	25	246.0	157.7	22.27	149.1	21.06	141.0	19.77	137.9	19.23	131.6	17.78	125.4	16.58
		307.5	157.7	22.10	149.1	20.90	141.0	19.63	137.9	19.07	131.6	17.78	125.4	16.58
		615.0	157.7	21.47	149.1	20.27	141.0	19.07	137.9	18.44	131.6	17.78	125.4	16.58
		768.8	157.7	20.90	149.1	19.63	141.0	19.07	137.9	18.44	131.6	17.22	125.4	16.58
		922.5	157.7	20.62	149.1	19.32	141.0	19.07	137.9	18.44	131.6	16.92	125.4	16.58
	30	246.0	157.7	19.77	149.1	18.59	141.0	17.37	137.9	16.58	131.6	16.10	125.4	14.75
		307.5	157.7	19.63	149.1	18.44	141.0	17.22	137.9	16.58	131.6	15.95	125.4	14.75
		615.0	157.7	19.07	149.1	17.78	141.0	16.58	137.9	16.58	131.6	15.38	125.4	14.75
		768.8	157.7	19.07	149.1	17.78	141.0	16.58	137.9	15.95	131.6	15.38	125.4	14.75
		922.5	157.7	19.07	149.1	17.78	141.0	16.58	137.9	15.62	131.6	15.38	125.4	14.75
	35	246.0	157.7	17.94	149.1	16.74	141.0	15.38	137.9	15.53	131.6	14.11	125.4	13.70
		307.5	157.7	17.78	149.1	16.58	141.0	15.38	137.9	15.38	131.6	14.11	125.4	13.54
		615.0	157.7	17.22	149.1	15.95	141.0	15.38	137.9	14.75	131.6	14.11	125.4	12.89
		768.8	157.7	17.22	149.1	15.95	141.0	14.75	137.9	14.75	131.6	14.11	125.4	12.89
		922.5	157.7	17.22	149.1	15.95	141.0	14.43	137.9	14.75	131.6	14.11	125.4	12.89
	40	246.0	157.7	16.74	149.1	15.53	141.0	14.24	137.9	13.54	131.6	12.89	125.4	12.41
		307.5	157.7	16.58	149.1	15.38	141.0	14.11	137.9	13.54	131.6	12.89	125.4	12.26
		615.0	157.7	15.95	149.1	14.75	141.0	13.54	137.9	13.54	131.6	12.89	125.4	11.68
		768.8	157.7	15.95	149.1	14.75	141.0	13.54	137.9	12.89	131.6	12.26	125.4	11.68
		922.5	157.7	15.95	149.1	14.75	141.0	13.54	137.9	12.57	131.6	11.94	125.4	11.68
	45	246.0	157.7	15.53	149.1	14.24	141.0	13.20	137.9	11.55	131.6	11.68	125.4	11.22
		307.5	157.7	15.38	149.1	14.11	141.0	12.89	137.9	11.68	131.6	11.68	125.4	11.05
		615.0	157.7	14.75	149.1	13.54	141.0	11.68	137.9	12.26	131.6	11.68	125.4	10.42
		768.8	157.7	14.75	149.1	13.54	141.0	12.26	137.9	11.05	131.6	10.42	125.4	10.42
		922.5	157.7	14.75	149.1	13.54	141.0	12.54	137.9	10.45	131.6	9.79	125.4	10.42
60	-5	246.0	54.2	18.03	50.8	17.33	48.0	16.66	47.4	15.47	47.3	15.23	46.3	13.61
		307.5	56.1	18.44	52.5	17.72	49.7	17.03	49.2	15.82	48.9	15.57	48.0	13.92
		615.0	63.6	20.02	59.5	19.26	56.3	18.50	55.7	17.15	55.4	16.90	54.4	15.12
		768.8	70.1	21.54	65.7	20.78	62.3	19.95	61.5	18.56	61.4	18.22	60.1	16.27
		922.5	73.6	22.30	68.7	21.54	65.3	20.69	64.4	19.26	64.3	18.91	62.7	16.83
	0	246.0	96.9	26.41	89.3	25.48	83.2	24.38	81.7	22.68	80.6	22.36	77.5	19.96
		307.5	97.5	26.49	89.9	25.54	83.8	24.46	82.2	22.74	81.0	22.42	78.1	20.02
		615.0	99.8	26.81	91.9	25.80	85.8	24.78	84.1	22.99	82.9	22.68	79.7	20.21
		768.8	101.2	26.81	93.4	25.80	87.3	24.78	85.4	22.99	84.2	22.68	81.0	20.21
		922.5	102.0	26.81	94.1	25.80	87.9	24.78	86.0	22.99	84.9	22.68	81.7	20.21

7. Capacity tables

Heating Capacity (64 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	5	246.0	134.0	28.77	126.3	27.69	121.2	26.53	118.1	24.72	113.0	24.34	107.5	21.69
		307.5	134.4	28.90	126.7	27.82	121.2	26.69	118.1	24.85	113.0	24.46	107.5	21.79
		615.0	135.4	29.49	127.6	28.40	121.2	27.25	118.1	25.35	113.0	24.98	107.5	22.23
		768.8	135.4	29.74	127.4	28.58	121.2	27.45	118.1	25.54	113.0	25.10	107.5	22.42
		922.5	135.4	29.87	127.3	28.68	121.2	27.54	118.1	25.64	113.0	25.17	107.5	22.51
	10	246.0	134.7	26.43	126.7	25.29	121.2	24.09	118.1	22.49	113.0	22.07	107.5	19.77
		307.5	134.8	26.43	127.0	25.29	121.2	24.09	118.1	22.55	113.0	22.04	107.5	19.82
		615.0	135.4	26.43	127.6	25.29	121.2	24.09	118.1	22.81	113.0	21.98	107.5	20.02
		768.8	135.4	26.49	127.4	25.04	121.2	23.83	118.1	22.55	113.0	21.79	107.5	19.82
		922.5	135.4	26.52	127.3	24.91	121.2	23.68	118.1	22.42	113.0	21.69	107.5	19.73
	15	246.0	135.4	24.12	127.4	22.90	121.2	21.62	118.1	20.27	113.0	19.77	107.5	17.78
		307.5	135.4	23.96	127.4	22.74	121.2	21.47	118.1	20.27	113.0	19.63	107.5	17.78
		615.0	135.4	23.31	127.4	22.10	121.2	20.90	118.1	20.27	113.0	19.07	107.5	17.78
		768.8	135.4	23.31	127.4	21.47	121.2	20.27	118.1	19.63	113.0	18.44	107.5	17.22
		922.5	135.4	23.31	127.4	21.16	121.2	19.95	118.1	19.32	113.0	18.09	107.5	16.92
	20	246.0	135.4	21.06	127.4	19.77	121.2	18.59	118.1	17.94	113.0	17.37	107.5	16.10
		307.5	135.4	20.90	127.4	19.63	121.2	18.44	118.1	17.78	113.0	17.22	107.5	15.95
		615.0	135.4	20.27	127.4	19.07	121.2	17.78	118.1	17.22	113.0	16.58	107.5	15.38
		768.8	135.4	20.27	127.4	19.07	121.2	17.78	118.1	17.22	113.0	16.58	107.5	15.38
		922.5	135.4	20.27	127.4	19.07	121.2	17.78	118.1	17.22	113.0	16.58	107.5	15.38
	25	246.0	135.4	18.59	127.4	17.37	121.2	15.95	118.1	16.10	113.0	14.75	107.5	14.24
		307.5	135.4	18.44	127.4	17.22	121.2	15.95	118.1	15.95	113.0	14.75	107.5	14.11
		615.0	135.4	17.78	127.4	16.58	121.2	15.95	118.1	15.38	113.0	14.75	107.5	13.54
		768.8	135.4	17.78	127.4	16.58	121.2	15.38	118.1	15.38	113.0	14.75	107.5	13.54
		922.5	135.4	17.78	127.4	16.58	121.2	15.09	118.1	15.38	113.0	14.75	107.5	13.54
	30	246.0	135.4	16.74	127.4	15.53	121.2	14.90	118.1	14.24	113.0	13.70	107.5	13.07
		307.5	135.4	16.58	127.4	15.38	121.2	14.75	118.1	14.11	113.0	13.54	107.5	12.89
		615.0	135.4	15.95	127.4	14.75	121.2	14.11	118.1	13.54	113.0	12.89	107.5	12.26
		768.8	135.4	15.95	127.4	14.75	121.2	14.11	118.1	13.54	113.0	12.89	107.5	12.26
		922.5	135.4	15.95	127.4	14.75	121.2	14.11	118.1	13.54	113.0	12.89	107.5	12.26
	35	246.0	135.4	14.75	127.4	14.24	121.2	12.89	118.1	13.07	113.0	12.41	107.5	11.85
		307.5	135.4	14.75	127.4	14.11	121.2	12.89	118.1	12.89	113.0	12.26	107.5	11.68
		615.0	135.4	14.75	127.4	13.54	121.2	12.89	118.1	12.26	113.0	11.68	107.5	11.05
		768.8	135.4	14.75	127.4	13.54	121.2	12.26	118.1	12.26	113.0	11.68	107.5	11.05
		922.5	135.4	14.75	127.4	13.54	121.2	11.94	118.1	12.26	113.0	11.68	107.5	11.05
	40	246.0	135.4	13.54	127.4	13.07	121.2	11.68	118.1	11.85	113.0	11.22	107.5	10.42
		307.5	135.4	13.54	127.4	12.89	121.2	11.68	118.1	11.68	113.0	11.05	107.5	10.42
		615.0	135.4	13.54	127.4	12.26	121.2	11.68	118.1	11.05	113.0	10.42	107.5	10.42
		768.8	135.4	13.54	127.4	12.26	121.2	11.68	118.1	11.05	113.0	10.42	107.5	10.42
		922.5	135.4	13.54	127.4	12.26	121.2	11.68	118.1	11.05	113.0	10.42	107.5	10.42
	45	246.0	135.4	12.26	127.4	11.85	121.2	10.42	118.1	10.57	113.0	10.01	107.5	9.06
		307.5	135.4	12.26	127.4	11.68	121.2	10.42	118.1	10.42	113.0	9.85	107.5	9.22
		615.0	135.4	12.26	127.4	11.05	121.2	10.42	118.1	9.85	113.0	9.22	107.5	9.85
		768.8	135.4	12.26	127.4	11.05	121.2	11.05	118.1	9.85	113.0	9.22	107.5	9.85
		922.5	135.4	12.26	127.4	11.05	121.2	11.37	118.1	9.85	113.0	9.22	107.5	9.85
50	-5	246.0	45.2	14.37	42.5	13.61	40.1	12.89	39.4	12.19	39.3	11.43	38.6	10.83
		307.5	46.7	14.68	43.9	13.92	41.6	13.15	40.9	12.44	40.7	11.68	39.9	11.05
		615.0	52.7	15.88	49.5	15.12	47.0	14.24	46.3	13.54	46.1	12.70	45.2	11.94
		768.8	58.3	17.15	54.8	16.27	51.8	15.38	51.2	14.62	50.8	13.67	50.0	12.89
		922.5	61.2	17.81	57.4	16.83	54.2	15.95	53.7	15.16	53.1	14.15	52.5	13.39
	0	246.0	80.6	21.04	74.6	19.96	69.4	18.82	67.8	17.85	66.9	16.79	64.6	15.82
		307.5	81.0	21.10	74.9	20.02	69.8	18.87	68.2	17.91	67.2	16.83	64.9	15.88
		615.0	82.9	21.28	76.8	20.21	71.4	19.13	70.0	18.16	69.1	17.03	66.3	16.07
		768.8	84.2	21.28	77.8	20.21	72.3	19.13	71.0	18.16	70.0	17.03	67.5	16.07
		922.5	84.9	21.28	78.3	20.21	72.9	19.13	71.7	18.16	70.4	17.03	68.1	16.07
	5	246.0	111.4	22.89	105.6	21.69	100.7	20.47	98.3	19.48	94.1	18.28	89.6	17.18
		307.5	111.6	22.99	105.8	21.79	100.7	20.58	98.3	19.58	94.1	18.35	89.6	17.27
		615.0	112.6	23.44	106.5	22.23	100.9	21.03	98.3	19.95	94.1	18.69	89.6	17.66
		768.8	112.6	23.62	106.3	22.42	100.9	21.16	98.3	20.08	94.1	18.87	89.6	17.78
		922.5	112.6	23.74	106.2	22.51	100.9	21.22	98.3	20.15	94.1	18.97	89.6	17.85
	10	246.0	112.0	21.06	105.8	19.83	100.7	18.65	98.3	17.81	94.1	16.48	89.6	15.73
		307.5	112.0	21.03	106.0	19.82	100.7	18.63	98.3	17.78	94.1	16.51	89.6	15.69
		615.0	112.6	20.90	106.5	19.76	100.9	18.50	98.3	17.66	94.1	16.70	89.6	15.57
		768.8	112.6	21.03	106.3	19.82	100.9	18.56	98.3	17.72	94.1	16.45	89.6	15.63
		922.5	112.6	21.10	106.2	19.86	100.9	18.59	98.3	17.75	94.1	16.33	89.6	15.66
	15	246.0	112.6	19.23	106.3	17.94	100.9	16.74	98.3	16.10	94.1	14.75	89.6	14.24
		307.5	112.6	19.07	106.3	17.78	100.9	16.58	98.3	15.95	94.1	14.75	89.6	14.11
		615.0	112.6	18.44	106.3	17.22	100.9	15.95	98.3	15.38	94.1	14.75	89.6	13.54
		768.8	112.6	18.44	106.3	17.22	100.9	15.95	98.3	15.38	94.1	14.11	89.6	13.54
		922.5	112.6	18.44	106.3	17.22	100.9	15.95	98.3	15.38	94.1	13.80	89.6	13.54
	20	246.0	112.6	16.74	106.3	15.53	100.9	14.90	98.3	14.24	94.1	13.70	89.6	12.26
		307.5	112.6	16.58	106.3	15.38	100.9	14.75	98.3	14.11	94.1	13.54	89.6	12.26
		615.0	112.6	15.95	106.3	14.75	100.9	14.11	98.3	13.54	94.1	12.89	89.6	12.26
		768.8	112.6	15.95	106.3	14.75	100.9	14.11	98.3	13.54	94.1	12.89	89.6	12.26
		922.5	112.6	15.95	106.3	14.75	100.9	14.11	98.3	13.54	94.1	12.89	89.6	12.26
	25	246.0	112.6	14.90	106.3	13.54	100.9	13.07	98.3	12.26	94.1	11.68	89.6	11.05
		307.5	112.6	14.75	106.3	13.54	100.9	12.89	98.3	12.26	94.1	11.68	89.6	11.05
		615.0	112.6	14.11	106.3	13.54	100.9	12.26	98.3	12.26	94.1	11.68	89.6	11.05
		768.8	112.6	14.11	106.3	13.54	100.9	12.26	98.3	12.26	94.1	11.68	89.6	11.05
		922.5	112.6	14.11	106.3	13.54	100.9	12.26	98.3	12.26	94.1	11.68	89.6	11.05

7. Capacity tables

Heating Capacity (64 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	30	246.0	112.6	13.70	106.3	12.41	100.9	11.85	98.3	11.05	94.1	11.22	89.6	10.57
		307.5	112.6	13.54	106.3	12.26	100.9	11.68	98.3	11.05	94.1	11.05	89.6	10.42
		615.0	112.6	12.89	106.3	11.68	100.9	11.05	98.3	11.05	94.1	10.42	89.6	9.85
		768.8	112.6	12.89	106.3	11.68	100.9	11.05	98.3	11.05	94.1	10.42	89.6	9.85
		922.5	112.6	12.89	106.3	11.68	100.9	11.05	98.3	11.05	94.1	10.42	89.6	9.85
	35	246.0	112.6	12.41	106.3	11.05	100.9	10.42	98.3	10.57	94.1	9.85	89.6	9.22
		307.5	112.6	12.26	106.3	11.05	100.9	10.42	98.3	10.42	94.1	9.85	89.6	9.22
		615.0	112.6	11.68	106.3	11.05	100.9	10.42	98.3	9.85	94.1	9.85	89.6	9.22
		768.8	112.6	11.68	106.3	11.05	100.9	10.42	98.3	9.85	94.1	9.85	89.6	9.22
		922.5	112.6	11.68	106.3	11.05	100.9	10.42	98.3	9.85	94.1	9.85	89.6	9.22
	40	246.0	112.6	11.22	106.3	10.57	100.9	10.01	98.3	9.22	94.1	9.38	89.6	8.58
		307.5	112.6	11.05	106.3	10.42	100.9	9.85	98.3	9.22	94.1	9.22	89.6	8.58
		615.0	112.6	10.42	106.3	9.85	100.9	9.22	98.3	9.22	94.1	8.58	89.6	8.58
		768.8	112.6	10.42	106.3	9.85	100.9	9.22	98.3	9.22	94.1	8.58	89.6	8.58
		922.5	112.6	10.42	106.3	9.85	100.9	9.22	98.3	9.22	94.1	8.58	89.6	8.58
	45	246.0	112.6	10.01	106.3	10.16	100.9	9.51	98.3	7.86	94.1	8.88	89.6	8.01
		307.5	112.6	9.85	106.3	9.85	100.9	9.22	98.3	8.01	94.1	8.58	89.6	8.01
		615.0	112.6	9.22	106.3	8.58	100.9	8.01	98.3	8.58	94.1	7.36	89.6	8.01
		768.8	112.6	9.22	106.3	8.58	100.9	8.01	98.3	8.58	94.1	7.36	89.6	8.01
		922.5	112.6	9.22	106.3	8.58	100.9	8.01	98.3	8.58	94.1	7.36	89.6	8.01

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB680LSA4

Heating Capacity (68 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (68 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (68 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (68 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (68 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (68 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (68 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB700LSA4

Heating Capacity (70 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-5	268.8	104.3	42.25	103.6	39.80	102.9	37.03	101.5	35.96	102.9	34.99	99.8	31.39
		336.0	107.8	42.98	107.1	40.56	106.4	37.86	105.0	36.72	106.4	35.75	103.3	32.08
		672.0	122.1	45.92	121.1	43.63	120.4	41.04	118.7	39.87	120.1	38.76	117.2	34.78
		840.0	135.1	48.82	133.7	46.61	133.0	44.26	131.3	43.05	133.0	41.80	129.5	37.51
		1008.0	141.4	50.31	140.0	48.13	139.3	45.85	137.6	44.67	139.3	43.36	135.8	38.86
	0	268.8	186.2	57.78	182.0	56.08	178.2	54.25	174.3	52.73	175.0	51.28	167.0	45.92
		336.0	187.6	57.95	183.1	56.22	179.2	54.39	175.4	52.87	176.0	51.41	168.0	46.05
		672.0	192.1	58.57	187.3	56.77	183.4	55.04	179.5	53.49	180.2	51.97	172.2	46.61
		840.0	194.9	58.57	190.1	56.77	186.2	55.04	182.0	53.49	182.7	51.97	174.6	46.61
		1008.0	196.3	58.57	191.5	56.77	187.6	55.04	183.4	53.49	184.1	51.97	175.7	46.61
	5	268.8	268.4	62.13	264.3	60.58	258.7	59.05	252.3	57.36	245.4	55.80	232.0	49.96
		336.0	269.2	62.41	264.9	60.89	259.0	59.33	252.3	57.67	245.4	56.08	232.0	50.24
		672.0	273.0	63.52	266.7	61.99	259.0	60.54	252.3	58.85	245.4	57.19	232.0	51.28
		840.0	274.7	63.93	267.4	62.41	259.0	60.96	252.3	59.26	245.4	57.60	232.0	51.62
		1008.0	275.5	64.14	267.8	62.62	259.0	61.16	252.3	59.47	245.4	57.81	232.0	51.79
	10	268.8	268.8	56.53	264.3	54.63	258.0	53.59	251.3	52.42	244.6	50.62	231.0	45.67
		336.0	270.2	56.43	265.6	54.67	259.0	53.70	252.3	52.38	245.4	50.58	232.0	45.64
		672.0	276.8	56.01	270.5	54.90	263.2	54.11	256.5	52.31	249.2	50.45	235.6	45.50
		840.0	278.2	56.77	272.3	55.67	264.9	54.32	257.6	52.52	250.9	51.28	237.0	47.65
		1008.0	278.9	57.15	273.3	56.05	265.6	54.42	258.3	52.63	251.7	51.69	238.0	48.75
	15	268.8	269.1	50.93	264.6	48.78	256.9	48.24	250.2	47.44	243.6	45.43	230.0	41.39
		336.0	271.3	50.45	266.4	48.55	259.0	48.13	252.3	47.09	245.4	45.09	232.0	41.04
		672.0	280.3	48.41	274.4	47.72	267.4	47.72	260.4	45.71	253.0	43.70	239.4	39.66
		840.0	281.7	49.61	277.2	48.82	270.5	47.72	263.2	45.71	256.5	44.95	242.2	43.70
		1008.0	282.4	50.20	278.6	49.41	272.3	47.72	264.6	45.71	258.3	45.57	243.6	45.71
	20	268.8	279.3	46.75	274.4	44.57	267.0	43.60	259.7	42.18	252.0	41.25	237.3	40.00
		336.0	281.7	46.40	276.5	44.53	269.1	43.56	261.8	42.36	254.4	41.53	239.4	39.66
		672.0	290.5	45.09	285.3	44.39	277.2	43.43	269.9	43.05	263.2	42.63	248.2	38.34
		840.0	291.6	45.09	287.4	44.39	280.7	43.70	272.6	43.05	265.3	42.63	250.2	40.77
		1008.0	292.3	45.09	288.4	44.39	282.1	43.84	274.0	43.05	266.3	42.63	251.3	42.01
	25	268.8	295.0	44.57	287.4	43.29	280.7	42.53	275.1	41.84	269.1	41.22	253.7	38.52
		336.0	295.0	44.39	287.4	43.19	280.7	42.36	275.1	41.66	269.1	41.04	253.7	38.34
		672.0	295.0	43.70	287.4	42.91	280.7	41.66	275.1	41.04	269.1	40.35	253.7	37.65
		840.0	295.0	43.05	287.4	41.80	280.7	41.04	275.1	40.35	269.1	39.66	253.7	37.00
		1008.0	295.0	42.74	287.4	41.25	280.7	40.73	275.1	40.00	269.1	39.31	253.7	36.69
	30	268.8	295.0	43.43	287.4	41.25	280.7	40.87	275.1	39.80	269.1	39.38	253.7	36.65
		336.0	295.0	43.05	287.4	41.18	280.7	40.63	275.1	39.66	269.1	39.04	253.7	36.31
		672.0	295.0	41.66	287.4	40.90	280.7	39.66	275.1	39.04	269.1	37.65	253.7	34.99
		840.0	295.0	41.04	287.4	39.80	280.7	39.04	275.1	38.34	269.1	37.65	253.7	34.99
		1008.0	295.0	40.73	287.4	39.24	280.7	38.72	275.1	38.00	269.1	37.65	253.7	34.99
	35	268.8	295.0	41.39	287.4	40.04	280.7	39.21	275.1	37.79	269.1	36.48	253.7	33.92
		336.0	295.0	41.04	287.4	39.80	280.7	39.04	275.1	37.65	269.1	36.31	253.7	33.61
		672.0	295.0	39.66	287.4	38.90	280.7	38.34	275.1	37.00	269.1	35.61	253.7	32.29
		840.0	295.0	39.66	287.4	38.48	280.7	37.65	275.1	36.31	269.1	34.99	253.7	32.29
		1008.0	295.0	39.66	287.4	38.27	280.7	37.27	275.1	35.96	269.1	34.68	253.7	32.29
	40	268.8	295.0	40.00	287.4	38.72	280.7	37.97	275.1	36.65	269.1	35.34	253.7	31.91
		336.0	295.0	39.66	287.4	38.48	280.7	37.65	275.1	36.31	269.1	34.99	253.7	31.57
		672.0	295.0	38.34	287.4	37.51	280.7	36.31	275.1	34.99	269.1	33.61	253.7	30.26
		840.0	295.0	37.65	287.4	36.86	280.7	36.31	275.1	34.99	269.1	33.61	253.7	30.26
		1008.0	295.0	37.27	287.4	36.55	280.7	36.31	275.1	34.99	269.1	33.61	253.7	30.26
	45	268.8	295.0	38.66	287.4	37.41	280.7	36.82	275.1	35.51	269.1	34.12	253.7	29.91
		336.0	295.0	38.34	287.4	37.14	280.7	36.31	275.1	34.99	269.1	33.61	253.7	29.56
		672.0	295.0	37.00	287.4	36.17	280.7	34.30	275.1	32.98	269.1	31.57	253.7	28.25
		840.0	295.0	35.61	287.4	35.27	280.7	34.99	275.1	33.61	269.1	32.29	253.7	28.25
		1008.0	295.0	34.92	287.4	34.82	280.7	35.34	275.1	33.92	269.1	32.64	253.7	28.25
120	-5	268.8	99.1	42.25	98.4	39.80	97.7	37.03	96.6	35.47	97.3	34.44	94.8	30.84
		336.0	102.6	42.98	101.8	40.56	101.1	37.86	99.8	36.24	100.8	35.20	98.0	31.50
		672.0	116.2	45.92	115.1	43.63	114.5	41.04	113.0	39.31	114.1	38.20	111.0	34.23
		840.0	128.1	48.82	127.1	46.61	126.4	44.26	124.9	42.43	126.0	41.18	122.5	36.86
		1008.0	134.4	50.31	133.3	48.13	132.3	45.85	130.9	44.01	131.9	42.70	128.1	38.21
	0	268.8	177.1	57.78	172.9	56.08	169.1	54.25	165.9	51.94	165.9	50.51	158.2	45.16
		336.0	178.2	57.95	173.9	56.22	170.1	54.39	166.6	52.11	166.6	50.65	159.2	45.29
		672.0	182.3	58.57	178.1	56.77	174.3	55.04	170.8	52.73	170.8	51.21	163.1	45.85
		840.0	185.2	58.57	180.9	56.77	177.1	55.04	173.3	52.73	173.2	51.21	165.5	45.85
		1008.0	186.6	58.57	182.4	56.77	178.5	55.04	174.7	52.73	174.3	51.21	166.6	45.85
	5	268.8	255.5	62.13	251.6	60.58	246.1	59.05	240.1	56.53	232.7	54.94	219.8	49.20
		336.0	256.5	62.41	252.0	60.89	246.1	59.33	240.1	56.84	232.7	55.25	219.8	49.48
		672.0	260.1	63.52	254.1	61.99	246.1	60.54	240.1	58.02	232.7	56.36	219.8	50.45
		840.0	261.5	63.93	252.4	62.41	246.1	60.96	240.1	58.43	232.7	56.77	219.8	50.79
		1008.0	262.2	64.14	251.7	62.62	246.1	61.16	240.1	58.64	232.7	56.98	219.8	50.96
	10	268.8	256.5	55.81	251.7	54.25	245.4	53.18	239.4	51.55	232.0	49.86	219.4	44.81
		336.0	257.6	56.01	252.7	54.46	246.1	53.35	240.1	51.62	232.7	49.82	219.8	44.88
		672.0	262.5	56.77	256.9	55.32	248.8	54.11	242.9	51.90	235.2	49.68	222.2	45.09
		840.0	263.9	56.57	255.9	55.32	249.9	54.32	243.9	52.11	236.2	49.89	223.3	46.61
		1008.0	264.6	56.46	255.5	55.32	250.3	54.42	244.3	52.21	236.6	50.00	223.7	47.37

7. Capacity tables

Heating Capacity (70 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	15	268.8	257.2	49.51	252.0	48.03	244.7	47.30	238.7	46.57	231.4	44.71	218.7	40.52
		336.0	258.7	49.61	253.4	48.13	246.1	47.37	240.1	46.40	232.7	44.39	219.8	40.35
		672.0	264.6	50.03	259.7	48.55	251.7	47.72	245.4	45.71	237.3	43.05	224.7	39.66
		840.0	266.0	49.27	259.4	48.13	253.7	47.72	247.5	45.71	239.4	43.05	226.8	42.36
		1008.0	266.7	48.86	259.4	47.92	254.8	47.72	248.5	45.71	240.4	43.05	227.8	43.74
	20	268.8	264.3	44.53	259.4	42.63	251.6	41.49	244.6	40.90	236.6	40.38	224.0	38.34
		336.0	266.0	44.53	260.8	42.77	253.0	41.66	246.1	41.04	238.0	40.35	225.1	38.20
		672.0	272.7	44.53	267.1	43.43	258.3	42.36	252.3	41.66	244.0	40.21	230.6	37.65
		840.0	274.0	44.12	266.7	43.05	260.4	42.36	253.7	41.66	245.4	40.35	232.0	39.04
		1008.0	274.7	43.91	266.7	42.88	261.5	42.36	254.5	41.66	246.4	40.42	232.7	39.73
	25	268.8	277.2	42.11	269.1	40.14	260.4	39.38	254.8	38.52	248.2	37.79	234.5	35.16
		336.0	277.2	41.94	269.1	40.07	260.4	39.31	254.8	38.34	248.2	37.65	234.5	34.99
		672.0	277.9	41.32	269.1	39.80	260.4	39.04	254.8	37.65	248.2	37.00	234.5	34.30
		840.0	278.6	39.80	269.1	38.76	260.4	38.34	254.8	37.65	248.2	36.31	234.5	34.30
		1008.0	279.3	39.03	269.1	38.24	260.4	38.00	254.8	37.65	248.2	35.96	234.5	34.30
	30	268.8	278.6	40.28	269.1	38.28	260.4	37.20	254.8	35.78	248.2	35.34	234.5	32.47
		336.0	278.6	39.93	269.1	38.07	260.4	37.00	254.8	35.61	248.2	34.99	234.5	32.29
		672.0	278.6	38.62	269.1	37.14	260.4	36.31	254.8	34.99	248.2	33.61	234.5	31.57
		840.0	278.6	37.34	269.1	36.31	260.4	35.61	254.8	34.99	248.2	33.61	234.5	30.95
		1008.0	278.6	36.72	269.1	35.89	260.4	35.27	254.8	34.99	248.2	33.61	234.5	30.64
	35	268.8	278.6	38.45	269.1	36.37	260.4	35.34	254.8	33.92	248.2	32.61	234.5	29.73
		336.0	278.6	37.93	269.1	36.03	260.4	34.99	254.8	33.61	248.2	32.29	234.5	29.56
		672.0	278.6	35.75	269.1	34.71	260.4	33.61	254.8	32.29	248.2	30.95	234.5	28.94
		840.0	278.6	35.34	269.1	34.44	260.4	33.61	254.8	32.29	248.2	30.95	234.5	28.25
		1008.0	278.6	35.13	269.1	34.30	260.4	33.61	254.8	32.29	248.2	30.95	234.5	27.90
	40	268.8	278.6	37.31	269.1	34.71	260.4	33.33	254.8	31.91	248.2	30.60	234.5	27.70
		336.0	278.6	36.58	269.1	34.30	260.4	32.98	254.8	31.57	248.2	30.26	234.5	27.56
		672.0	278.6	33.75	269.1	32.71	260.4	31.57	254.8	30.26	248.2	28.94	234.5	26.93
		840.0	278.6	33.33	269.1	32.29	260.4	31.57	254.8	30.26	248.2	28.94	234.5	26.24
		1008.0	278.6	33.12	269.1	32.08	260.4	31.57	254.8	30.26	248.2	28.94	234.5	25.86
	45	268.8	278.6	36.17	269.1	33.02	260.4	31.32	254.8	29.91	248.2	28.59	234.5	25.69
		336.0	278.6	35.27	269.1	32.57	260.4	30.95	254.8	29.56	248.2	28.25	234.5	25.52
		672.0	278.6	31.74	269.1	30.67	260.4	29.56	254.8	28.25	248.2	26.93	234.5	24.90
		840.0	278.6	31.29	269.1	30.12	260.4	29.56	254.8	28.25	248.2	26.93	234.5	24.20
		1008.0	278.6	31.09	269.1	29.84	260.4	29.56	254.8	28.25	248.2	26.93	234.5	23.86
110	-5	268.8	93.8	42.81	93.1	39.80	92.7	37.03	91.7	35.47	91.7	34.44	89.9	30.84
		336.0	97.0	43.56	96.3	40.56	95.9	37.86	94.8	36.24	94.9	35.20	92.8	31.50
		672.0	109.9	46.47	109.2	43.63	108.5	41.04	107.4	39.31	107.4	38.20	105.3	34.23
		840.0	121.1	49.48	120.4	46.61	119.7	44.26	118.6	42.43	118.6	41.18	116.2	36.86
		1008.0	127.0	50.97	126.0	48.13	125.3	45.85	124.2	44.01	124.2	42.70	121.5	38.21
	0	268.8	167.6	58.57	163.8	56.08	160.6	54.25	157.5	51.94	156.1	50.51	150.1	45.16
		336.0	168.7	58.71	164.9	56.22	161.4	54.39	158.2	52.11	156.8	50.65	150.9	45.29
		672.0	172.5	59.26	168.7	56.77	165.2	55.04	162.0	52.73	160.6	51.21	154.4	45.85
		840.0	175.0	59.26	171.5	56.77	167.7	55.04	164.5	52.73	163.1	51.21	156.8	45.85
		1008.0	176.4	59.26	172.9	56.77	169.1	55.04	165.9	52.73	164.2	51.21	157.8	45.85
	5	268.8	244.6	62.96	238.7	60.58	233.1	59.05	227.9	56.53	219.1	54.94	208.3	49.20
		336.0	245.3	63.24	239.1	60.89	233.1	59.33	227.9	56.84	219.1	55.25	208.3	49.48
		672.0	248.5	64.35	241.1	61.99	233.4	60.54	227.9	58.02	219.1	56.36	208.3	50.45
		840.0	249.9	64.76	241.5	62.41	233.4	60.96	227.9	58.43	219.1	56.77	208.3	50.79
		1008.0	250.6	64.97	241.9	62.62	233.4	61.16	227.9	58.64	219.1	56.98	208.3	50.96
	10	268.8	245.4	56.46	239.4	54.53	232.8	53.35	227.5	51.55	218.7	49.86	208.2	44.81
		336.0	246.4	56.57	240.1	54.67	233.1	53.49	227.9	51.62	219.1	49.82	208.3	44.88
		672.0	249.9	56.98	242.5	55.32	234.5	54.11	229.3	51.90	220.5	49.68	209.3	45.09
		840.0	251.3	56.98	243.6	55.32	235.5	53.97	229.6	51.76	220.9	49.89	210.0	45.57
		1008.0	252.3	56.98	244.0	55.32	235.9	53.91	229.9	51.69	221.2	50.00	210.3	45.81
	15	268.8	246.1	49.96	239.7	48.55	232.7	47.72	227.2	46.57	218.4	44.71	207.9	40.52
		336.0	247.1	49.89	240.5	48.55	233.4	47.72	227.9	46.40	219.1	44.39	208.3	40.35
		672.0	251.3	49.61	244.0	48.55	236.2	47.72	230.6	45.71	221.9	43.05	210.4	39.66
		840.0	252.7	49.27	245.3	48.13	237.3	47.09	231.4	45.09	222.6	43.05	211.7	40.35
		1008.0	253.4	49.07	246.0	47.92	238.0	46.78	231.7	44.77	222.9	43.05	212.4	40.70
	20	268.8	250.6	43.12	243.9	42.08	235.9	41.04	229.6	40.35	221.2	39.21	209.6	36.65
		336.0	252.0	43.19	244.7	42.08	236.6	41.04	230.6	40.35	221.9	39.04	210.4	36.58
		672.0	257.3	43.56	248.1	42.08	239.4	41.04	234.1	40.35	224.7	38.34	213.8	36.31
		840.0	259.0	43.56	249.9	42.08	240.8	41.04	234.5	39.66	225.8	38.34	214.2	36.31
		1008.0	259.7	43.56	251.0	42.08	241.5	41.04	234.9	39.31	226.5	38.34	214.6	36.31
	25	268.8	258.6	39.24	250.9	37.79	240.8	37.20	235.5	35.78	227.2	34.47	215.2	31.57
		336.0	259.0	39.17	250.9	37.65	240.8	37.00	235.5	35.61	227.2	34.30	215.2	31.57
		672.0	261.1	38.90	250.9	37.00	240.8	36.31	235.5	34.99	227.2	33.61	215.2	31.57
		840.0	262.5	38.90	250.9	37.14	240.8	35.61	235.5	34.99	227.2	32.98	215.2	30.95
		1008.0	262.9	38.90	250.9	37.21	240.8	35.27	235.5	34.99	227.2	32.67	215.2	30.64
	30	268.8	262.5	35.78	250.9	34.47	240.8	33.16	235.5	32.47	227.2	30.43	215.2	28.42
		336.0	262.5	35.61	250.9	34.30	240.8	32.98	235.5	32.29	227.2	30.26	215.2	28.25
		672.0	262.5	34.99	250.9	33.61	240.8	32.29	235.5	31.57	227.2	29.56	215.2	27.56
		840.0	262.5	34.71	250.9	32.98	240.8	31.57	235.5	30.95	227.2	29.56	215.2	27.56
		1008.0	262.5	34.58	250.9	32.67	240.8	31.22	235.5	30.64	227.2	29.56	215.2	27.56
	35	268.8	262.5	33.92	250.9	31.74	240.8	30.43	235.5	29.11	227.2	27.70	215.2	25.69
		336.0	262.5	33.61	250.9	31.57	240.8	30.26	235.5	28.94	227.2	27.56	215.2	25.52
		672.0	262.5	32.29	250.9	30.95	240.8	29.56	235.5	28.25	227.2	26.93	215.2	24.90
		840.0	262.5	31.43	250.9	30.26	240.8	28.94	235.5	28.25	227.2	26.93	215.2	24.90
		1008.0	262.5	31.02	250.9	29.91	240.8	28.63	235.5	28.25	227.2	26.93	215.2	24.90

7. Capacity tables

Heating Capacity (70 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	40	268.8	262.5	31.91	250.9	30.60	240.8	28.59	235.5	27.11	227.2	25.69	215.2	23.68
		336.0	262.5	31.57	250.9	30.26	240.8	28.25	235.5	26.93	227.2	25.52	215.2	23.51
		672.0	262.5	30.26	250.9	28.94	240.8	26.93	235.5	26.24	227.2	24.90	215.2	22.89
		840.0	262.5	29.84	250.9	28.25	240.8	26.93	235.5	25.52	227.2	24.20	215.2	22.20
		1008.0	262.5	29.63	250.9	27.90	240.8	26.93	235.5	25.17	227.2	23.86	215.2	21.85
	45	268.8	262.5	29.91	250.9	29.46	240.8	26.73	235.5	25.07	227.2	23.68	215.2	21.65
		336.0	262.5	29.56	250.9	28.94	240.8	26.24	235.5	24.90	227.2	23.51	215.2	21.50
		672.0	262.5	28.25	250.9	26.93	240.8	24.20	235.5	24.20	227.2	22.89	215.2	20.88
		840.0	262.5	28.25	250.9	26.24	240.8	24.90	235.5	22.89	227.2	21.50	215.2	19.47
		1008.0	262.5	28.25	250.9	25.86	240.8	25.24	235.5	22.23	227.2	20.78	215.2	18.78
100	-5	268.8	88.6	42.81	87.9	40.35	87.5	37.03	86.8	35.47	86.1	33.89	84.4	30.84
		336.0	91.7	43.56	91.0	41.11	90.7	37.86	89.9	36.24	88.9	34.65	87.5	31.50
		672.0	103.9	46.47	103.2	44.19	102.6	41.04	101.5	39.31	100.8	37.65	99.1	34.23
		840.0	114.8	49.48	113.8	47.23	113.1	44.26	112.3	42.43	111.3	40.56	109.2	36.86
		1008.0	120.1	50.97	119.3	48.79	118.6	45.85	117.6	44.01	116.9	42.04	114.5	38.21
	0	268.8	158.5	58.57	155.0	56.84	151.9	54.25	149.1	51.94	146.3	49.75	141.4	45.16
		336.0	159.3	58.71	155.8	56.98	152.6	54.39	149.8	52.11	147.3	49.89	142.1	45.29
		672.0	163.1	59.26	159.6	57.53	156.1	55.04	153.3	52.73	150.8	50.45	145.6	45.85
		840.0	165.5	59.26	162.0	57.53	158.6	55.04	155.7	52.73	153.0	50.45	147.7	45.85
		1008.0	166.6	59.26	163.4	57.53	159.9	55.04	156.8	52.73	154.0	50.45	148.8	45.85
	5	268.8	233.8	62.96	226.1	61.44	220.2	59.05	215.9	56.53	205.5	54.11	196.0	49.20
		336.0	234.5	63.24	226.4	61.72	220.2	59.33	215.9	56.84	205.5	54.39	196.0	49.48
		672.0	238.0	64.35	228.2	62.82	220.5	60.54	215.9	58.02	205.5	55.53	196.0	50.45
		840.0	239.4	64.76	228.6	63.24	220.5	60.96	215.9	58.43	205.5	55.87	196.0	50.79
		1008.0	240.1	64.97	228.9	63.45	220.5	61.16	215.9	58.64	205.5	56.05	196.0	50.96
	10	268.8	235.2	56.29	226.8	55.08	220.5	53.35	215.9	51.55	205.5	48.99	196.0	44.81
		336.0	235.6	56.57	227.1	55.25	220.5	53.49	215.9	51.62	205.5	49.06	196.0	44.88
		672.0	238.0	57.60	228.2	55.94	220.5	54.11	215.9	51.90	205.5	49.27	196.0	45.09
		840.0	239.7	57.40	229.3	55.94	220.5	53.97	215.9	51.76	205.5	49.13	196.0	44.88
		1008.0	240.4	57.29	229.9	55.94	220.5	53.91	215.9	51.69	205.5	49.03	196.0	44.77
	15	268.8	236.3	49.65	227.8	48.79	220.5	47.72	215.9	46.57	205.5	43.84	196.0	40.52
		336.0	236.6	49.89	227.9	48.82	220.5	47.72	215.9	46.40	205.5	43.70	196.0	40.35
		672.0	238.0	50.86	228.5	48.96	220.5	47.72	215.9	45.71	205.5	43.05	196.0	39.66
		840.0	240.1	50.03	229.6	48.55	220.5	47.09	215.9	45.09	205.5	42.36	196.0	39.04
		1008.0	241.1	49.61	230.3	48.34	220.5	46.78	215.9	44.77	205.5	42.01	196.0	38.72
	20	268.8	237.7	42.46	228.9	41.35	220.5	40.35	215.9	39.80	205.5	37.20	196.0	35.34
		336.0	238.7	42.63	229.2	41.39	220.5	40.35	215.9	39.66	205.5	37.00	196.0	34.99
		672.0	242.2	43.43	229.6	41.53	220.5	40.35	215.9	39.04	205.5	36.31	196.0	33.61
		840.0	243.6	42.63	231.7	41.18	220.5	39.66	215.9	38.34	205.5	35.61	196.0	32.98
		1008.0	244.3	42.25	232.8	41.01	220.5	39.31	215.9	38.00	205.5	35.27	196.0	32.67
	25	268.8	240.5	37.10	232.7	35.96	220.5	34.47	215.9	33.16	205.5	31.12	196.0	28.25
		336.0	241.5	37.14	232.7	35.75	220.5	34.30	215.9	32.98	205.5	30.95	196.0	28.25
		672.0	245.0	37.27	232.7	34.99	220.5	33.61	215.9	32.29	205.5	30.26	196.0	28.25
		840.0	246.1	36.44	232.7	34.71	220.5	32.98	215.9	31.57	205.5	30.26	196.0	27.56
		1008.0	246.8	36.03	232.7	34.58	220.5	32.67	215.9	31.22	205.5	30.26	196.0	27.21
	30	268.8	246.1	33.75	232.7	31.12	220.5	29.01	215.9	28.42	205.5	26.24	196.0	25.07
		336.0	246.1	33.61	232.7	30.95	220.5	28.94	215.9	28.25	205.5	26.24	196.0	24.90
		672.0	246.1	32.98	232.7	30.26	220.5	28.66	215.9	27.56	205.5	26.24	196.0	24.20
		840.0	246.1	32.29	232.7	30.26	220.5	28.25	215.9	27.56	205.5	25.52	196.0	24.20
		1008.0	246.1	31.92	232.7	30.26	220.5	28.04	215.9	27.56	205.5	25.17	196.0	24.20
	35	268.8	246.1	31.32	232.7	28.59	220.5	25.59	215.9	25.07	205.5	23.68	196.0	21.65
		336.0	246.1	30.95	232.7	28.25	220.5	25.52	215.9	24.90	205.5	23.51	196.0	21.50
		672.0	246.1	29.56	232.7	26.93	220.5	25.24	215.9	24.20	205.5	22.89	196.0	20.88
		840.0	246.1	29.56	232.7	26.93	220.5	24.90	215.9	24.20	205.5	22.89	196.0	20.88
		1008.0	246.1	29.56	232.7	26.93	220.5	24.72	215.9	24.20	205.5	22.89	196.0	20.88
	40	268.8	246.1	29.29	232.7	26.56	220.5	22.96	215.9	22.37	205.5	21.06	196.0	19.64
		336.0	246.1	28.94	232.7	26.24	220.5	22.89	215.9	22.20	205.5	20.88	196.0	19.47
		672.0	246.1	27.56	232.7	24.90	220.5	22.61	215.9	21.50	205.5	20.19	196.0	18.85
		840.0	246.1	26.93	232.7	24.90	220.5	22.20	215.9	21.50	205.5	20.19	196.0	18.85
		1008.0	246.1	26.62	232.7	24.90	220.5	21.99	215.9	21.50	205.5	20.19	196.0	18.85
	45	268.8	246.1	27.28	232.7	24.55	220.5	20.26	215.9	19.64	205.5	18.33	196.0	17.63
		336.0	246.1	26.93	232.7	24.20	220.5	20.19	215.9	19.47	205.5	18.15	196.0	17.46
		672.0	246.1	25.52	232.7	22.89	220.5	19.88	215.9	18.85	205.5	17.46	196.0	16.84
		840.0	246.1	24.20	232.7	22.89	220.5	19.47	215.9	18.85	205.5	17.46	196.0	16.84
		1008.0	246.1	23.55	232.7	22.89	220.5	19.26	215.9	18.85	205.5	17.46	196.0	16.84
90	-5	268.8	83.7	39.73	81.2	36.20	78.7	31.78	78.1	30.29	77.4	29.18	76.3	26.21
		336.0	86.5	40.42	84.0	36.86	81.5	32.50	80.8	30.95	80.2	29.84	78.8	26.79
		672.0	98.0	43.12	94.9	39.59	92.1	35.27	91.4	33.61	91.0	32.43	88.9	29.08
		840.0	108.2	45.85	104.7	42.36	101.8	38.07	100.8	36.24	100.4	34.92	98.4	31.36
		1008.0	113.4	47.20	109.9	43.77	106.7	39.45	105.7	37.58	105.0	36.20	103.2	32.54
	0	268.8	149.8	54.11	142.8	50.79	136.2	46.64	134.1	44.47	131.9	42.80	127.0	38.45
		336.0	150.5	54.25	143.5	50.93	136.9	46.75	135.1	44.60	132.7	42.91	127.8	38.55
		672.0	154.0	54.84	147.0	51.48	140.3	47.23	137.9	45.09	135.8	43.43	130.9	38.97
		840.0	156.4	54.84	149.1	51.48	142.5	47.23	140.0	45.09	137.9	43.43	133.0	38.97
		1008.0	157.5	54.84	150.2	51.48	143.8	47.23	141.1	45.09	139.3	43.43	134.0	38.97
	5	268.8	211.4	58.12	204.7	54.84	198.1	50.76	193.9	48.37	185.5	46.57	176.7	41.80
		336.0	211.7	58.36	204.4	55.11	198.1	51.00	193.9	48.62	185.5	46.82	176.7	42.01
		672.0	212.5	59.40	204.0	56.15	198.1	51.97	193.9	49.61	185.5	47.79	176.7	42.84
		840.0	213.8	59.75	204.4	56.50	198.1	52.38	193.9	49.96	185.5	48.13	176.7	43.19
		1008.0	214.2	59.92	204.8	56.67	198.1	52.59	193.9	50.13	185.5	48.30	176.7	43.39

7. Capacity tables

Heating Capacity (70 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	10	268.8	212.5	51.31	205.4	48.79	198.1	45.92	193.9	44.05	185.5	42.25	176.7	38.10
		336.0	212.5	51.34	205.1	48.82	198.1	45.99	193.9	44.12	185.5	42.22	176.7	38.14
		672.0	212.1	51.48	204.1	49.06	198.1	46.19	193.9	44.32	185.5	42.08	176.7	38.27
		840.0	213.5	51.34	204.7	48.89	198.1	46.05	193.9	44.19	185.5	42.22	176.7	38.41
		1008.0	214.2	51.28	205.1	48.82	198.1	45.99	193.9	44.12	185.5	42.29	176.7	38.48
	15	268.8	213.8	44.43	206.1	42.81	198.1	41.22	193.9	39.80	185.5	37.97	176.7	34.47
		336.0	213.2	44.26	205.8	42.63	198.1	41.04	193.9	39.66	185.5	37.65	176.7	34.30
		672.0	211.8	43.56	204.4	41.94	198.1	40.35	193.9	39.04	185.5	36.31	176.7	33.61
		840.0	213.2	42.91	204.8	41.32	198.1	39.66	193.9	38.34	185.5	36.31	176.7	33.61
		1008.0	214.2	42.60	205.1	41.01	198.1	39.31	193.9	38.00	185.5	36.31	176.7	33.61
	20	268.8	214.9	37.51	206.9	36.41	198.1	35.16	193.9	33.75	185.5	32.61	176.7	30.60
		336.0	214.9	37.51	206.5	36.31	198.1	34.99	193.9	33.61	185.5	32.29	176.7	30.26
		672.0	213.9	37.51	204.8	35.89	198.1	34.30	193.9	32.98	185.5	30.95	176.7	28.94
		840.0	214.6	36.86	205.5	35.61	198.1	34.30	193.9	32.98	185.5	30.95	176.7	28.94
		1008.0	214.9	36.55	205.8	35.48	198.1	34.30	193.9	32.98	185.5	30.95	176.7	28.94
	25	268.8	218.4	32.78	209.6	31.02	198.1	29.73	193.9	28.25	185.5	27.11	176.7	25.07
		336.0	219.1	32.71	209.6	30.95	198.1	29.56	193.9	28.25	185.5	26.93	176.7	24.90
		672.0	221.2	32.43	209.6	30.67	198.1	28.94	193.9	28.25	185.5	26.24	176.7	24.20
		840.0	221.9	31.57	209.6	29.98	198.1	28.94	193.9	27.56	185.5	26.24	176.7	24.20
		1008.0	222.3	31.15	209.6	29.63	198.1	28.94	193.9	27.21	185.5	26.24	176.7	24.20
	30	268.8	221.9	29.73	209.6	27.70	198.1	25.69	193.9	25.07	185.5	23.68	176.7	21.50
		336.0	221.9	29.56	209.6	27.56	198.1	25.52	193.9	24.90	185.5	23.51	176.7	21.50
		672.0	221.9	28.94	209.6	26.93	198.1	24.90	193.9	24.20	185.5	22.89	176.7	21.50
		840.0	221.9	28.25	209.6	26.24	198.1	24.90	193.9	24.20	185.5	22.89	176.7	20.88
		1008.0	221.9	27.90	209.6	25.86	198.1	24.90	193.9	24.20	185.5	22.89	176.7	20.54
	35	268.8	221.9	27.11	209.6	25.07	198.1	23.06	193.9	22.37	185.5	21.06	176.7	19.64
		336.0	221.9	26.93	209.6	24.90	198.1	22.89	193.9	22.20	185.5	20.88	176.7	19.47
		672.0	221.9	26.24	209.6	24.20	198.1	22.20	193.9	21.50	185.5	20.19	176.7	18.85
		840.0	221.9	25.52	209.6	23.51	198.1	21.50	193.9	20.88	185.5	20.19	176.7	18.85
		1008.0	221.9	25.17	209.6	23.17	198.1	21.16	193.9	20.54	185.5	20.19	176.7	18.85
	40	268.8	221.9	25.24	209.6	23.06	198.1	20.36	193.9	19.64	185.5	19.02	176.7	17.63
		336.0	221.9	24.90	209.6	22.89	198.1	20.19	193.9	19.47	185.5	18.85	176.7	17.46
		672.0	221.9	23.51	209.6	22.20	198.1	19.47	193.9	18.85	185.5	18.15	176.7	16.84
		840.0	221.9	23.51	209.6	22.20	198.1	19.47	193.9	18.85	185.5	18.15	176.7	16.84
		1008.0	221.9	23.51	209.6	22.20	198.1	19.47	193.9	18.85	185.5	18.15	176.7	16.84
	45	268.8	221.9	23.41	209.6	21.06	198.1	17.63	193.9	17.01	185.5	17.01	176.7	15.59
		336.0	221.9	22.89	209.6	20.88	198.1	17.46	193.9	16.84	185.5	16.84	176.7	15.45
		672.0	221.9	20.88	209.6	20.19	198.1	16.84	193.9	16.15	185.5	16.15	176.7	14.83
		840.0	221.9	21.50	209.6	20.88	198.1	17.46	193.9	16.84	185.5	16.15	176.7	14.83
		1008.0	221.9	21.82	209.6	21.23	198.1	17.77	193.9	17.18	185.5	16.15	176.7	14.83
80	-5	268.8	79.1	28.32	74.2	27.24	70.3	26.07	69.3	25.20	69.0	24.03	67.6	22.13
		336.0	81.9	28.94	76.7	27.83	72.5	26.66	71.8	25.73	71.4	24.55	70.0	22.61
		672.0	92.4	31.43	86.8	30.19	81.9	28.87	81.2	27.90	80.8	26.66	79.1	24.48
		840.0	102.2	33.88	95.9	32.57	90.7	31.15	89.6	30.12	89.2	28.73	87.5	26.45
		1008.0	107.4	35.10	100.4	33.75	94.9	32.33	93.8	31.26	93.5	29.77	91.4	27.42
	0	268.8	141.4	41.56	130.2	39.87	121.4	38.24	119.0	36.89	117.3	35.16	113.0	32.40
		336.0	142.1	41.66	130.9	40.00	122.1	38.34	119.7	37.00	118.3	35.27	113.7	32.50
		672.0	145.6	42.15	134.1	40.49	124.9	38.76	122.5	37.41	121.1	35.68	116.2	32.85
		840.0	147.7	42.15	136.2	40.49	127.0	38.76	124.6	37.41	122.9	35.68	118.3	32.85
		1008.0	148.7	42.15	137.2	40.49	128.1	38.76	125.3	37.41	123.9	35.68	119.0	32.85
	5	268.8	195.3	45.19	184.4	43.46	176.4	41.52	172.5	40.14	165.2	38.28	156.8	35.23
		336.0	196.0	45.43	184.8	43.70	176.4	41.73	172.5	40.35	165.2	38.48	156.8	35.41
		672.0	197.4	46.40	186.2	44.53	176.7	42.63	172.5	41.18	165.2	39.24	156.8	36.17
		840.0	197.4	46.68	186.2	44.88	176.7	42.91	172.5	41.46	165.2	39.52	156.8	36.38
		1008.0	197.4	46.82	185.9	45.05	176.7	43.08	172.5	41.60	165.2	39.66	156.8	36.48
	10	268.8	196.4	41.59	185.2	39.69	176.4	37.69	172.5	36.65	165.2	34.71	156.8	32.12
		336.0	196.7	41.53	185.5	39.66	176.4	37.72	172.5	36.65	165.2	34.71	156.8	32.15
		672.0	197.4	41.32	186.2	39.45	176.7	37.79	172.5	36.72	165.2	34.78	156.8	32.22
		840.0	197.4	41.18	186.2	39.59	176.7	37.93	172.5	36.51	165.2	34.58	156.8	32.02
		1008.0	197.4	41.11	185.9	39.66	176.7	38.00	172.5	36.41	165.2	34.47	156.8	31.91
	15	268.8	197.4	37.97	186.2	35.96	176.7	33.75	172.5	33.16	165.2	31.12	156.8	29.11
		336.0	197.4	37.65	186.2	35.61	176.7	33.61	172.5	32.98	165.2	30.95	156.8	28.94
		672.0	197.4	36.31	186.2	34.30	176.7	32.98	172.5	32.29	165.2	30.26	156.8	28.25
		840.0	197.4	35.61	186.2	34.30	176.7	32.98	172.5	31.57	165.2	29.56	156.8	27.56
		1008.0	197.4	35.27	186.2	34.30	176.7	32.98	172.5	31.22	165.2	29.22	156.8	27.21
	20	268.8	197.4	31.74	186.2	30.43	176.7	28.94	172.5	28.42	165.2	27.11	156.8	25.07
		336.0	197.4	31.57	186.2	30.26	176.7	28.94	172.5	28.25	165.2	26.93	156.8	24.90
		672.0	197.4	30.95	186.2	29.56	176.7	28.94	172.5	27.56	165.2	26.24	156.8	24.20
		840.0	197.4	30.26	186.2	28.94	176.7	28.25	172.5	27.56	165.2	25.52	156.8	24.20
		1008.0	197.4	29.91	186.2	28.63	176.7	27.90	172.5	27.56	165.2	25.17	156.8	24.20
	25	268.8	197.4	28.42	186.2	26.41	176.7	24.90	172.5	24.38	165.2	23.06	156.8	21.65
		336.0	197.4	28.25	186.2	26.24	176.7	24.90	172.5	24.20	165.2	22.89	156.8	21.50
		672.0	197.4	27.56	186.2	25.52	176.7	24.90	172.5	23.51	165.2	22.20	156.8	20.88
		840.0	197.4	26.93	186.2	25.52	176.7	24.20	172.5	23.51	165.2	22.20	156.8	20.88
		1008.0	197.4	26.62	186.2	25.52	176.7	23.86	172.5	23.51	165.2	22.20	156.8	20.88
	30	268.8	197.4	25.07	186.2	23.68	176.7	22.37	172.5	21.65	165.2	20.36	156.8	19.02
		336.0	197.4	24.90	186.2	23.51	176.7	22.20	172.5	21.50	165.2	20.19	156.8	18.85
		672.0	197.4	24.20	186.2	22.89	176.7	21.50	172.5	20.88	165.2	19.47	156.8	18.15
		840.0	197.4	24.20	186.2	22.89	176.7	21.50	172.5	20.88	165.2	19.47	156.8	18.15
		1008.0	197.4	24.20	186.2	22.89	176.7	21.50	172.5	20.88	165.2	19.47	156.8	18.15

7. Capacity tables

Heating Capacity (70 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	35	268.8	197.4	23.06	186.2	21.65	176.7	19.64	172.5	18.85	165.2	18.33	156.8	16.84
		336.0	197.4	22.89	186.2	21.50	176.7	19.47	172.5	18.85	165.2	18.15	156.8	16.84
		672.0	197.4	22.20	186.2	20.88	176.7	18.85	172.5	18.85	165.2	17.46	156.8	16.84
		840.0	197.4	22.20	186.2	20.19	176.7	18.85	172.5	18.15	165.2	17.46	156.8	16.15
		1008.0	197.4	22.20	186.2	19.81	176.7	18.85	172.5	17.81	165.2	17.46	156.8	15.80
	40	268.8	197.4	21.82	186.2	19.64	176.7	17.46	172.5	17.63	165.2	16.15	156.8	15.59
		336.0	197.4	21.50	186.2	19.47	176.7	17.46	172.5	17.46	165.2	16.15	156.8	15.45
		672.0	197.4	20.19	186.2	18.85	176.7	17.46	172.5	16.84	165.2	16.15	156.8	14.83
		840.0	197.4	20.19	186.2	18.85	176.7	16.84	172.5	16.84	165.2	16.15	156.8	14.83
		1008.0	197.4	20.19	186.2	18.85	176.7	16.53	172.5	16.84	165.2	16.15	156.8	14.83
	45	268.8	197.4	20.68	186.2	17.63	176.7	15.28	172.5	16.46	165.2	13.94	156.8	14.45
		336.0	197.4	20.19	186.2	17.46	176.7	15.45	172.5	16.15	165.2	14.11	156.8	14.11
		672.0	197.4	18.15	186.2	16.84	176.7	16.15	172.5	14.83	165.2	14.83	156.8	12.79
		840.0	197.4	18.15	186.2	17.46	176.7	14.83	172.5	15.45	165.2	14.83	156.8	13.42
		1008.0	197.4	18.15	186.2	17.77	176.7	14.14	172.5	15.77	165.2	14.83	156.8	13.73
70	-5	268.8	69.0	24.31	64.8	23.13	61.3	22.40	60.6	21.12	60.2	20.36	59.2	18.53
		336.0	71.4	24.83	67.2	23.65	63.4	22.89	62.7	21.57	62.3	20.81	61.3	18.91
		672.0	80.8	26.93	75.9	25.66	71.7	24.83	71.0	23.37	70.7	22.54	69.3	20.54
		840.0	89.6	29.08	84.0	27.69	79.1	26.79	78.4	25.17	78.0	24.34	76.6	22.13
		1008.0	93.8	30.15	87.9	28.70	83.0	27.76	82.3	26.10	81.6	25.27	80.1	22.92
	0	268.8	123.6	35.58	114.1	33.92	106.0	32.81	104.3	30.88	102.6	29.84	99.0	27.14
		336.0	124.3	35.68	114.8	34.02	106.7	32.91	104.7	30.95	103.2	29.91	99.4	27.21
		672.0	127.1	36.10	117.6	34.37	109.2	33.33	107.4	31.29	105.7	30.26	101.8	27.49
		840.0	129.1	36.10	119.4	34.37	110.6	33.33	108.9	31.29	107.4	30.26	103.3	27.49
		1008.0	129.9	36.10	120.4	34.37	111.6	33.33	109.9	31.29	108.1	30.26	104.3	27.49
	5	268.8	170.8	38.76	161.7	36.89	154.0	35.72	150.8	33.64	143.9	32.46	137.2	29.49
		336.0	171.1	38.97	162.0	37.07	154.0	35.89	150.8	33.81	143.9	32.64	137.2	29.63
		672.0	172.5	39.73	163.1	37.86	154.3	36.65	150.8	34.44	143.9	33.33	137.2	30.26
		840.0	172.5	40.00	163.1	38.14	154.3	36.93	150.8	34.71	143.9	33.54	137.2	30.46
		1008.0	172.5	40.14	163.1	38.27	154.3	37.07	150.8	34.85	143.9	33.64	137.2	30.57
	10	268.8	171.5	35.68	162.4	33.75	154.3	32.50	150.8	30.67	143.9	29.42	137.2	26.93
		336.0	171.8	35.61	162.4	33.68	154.3	32.43	150.8	30.67	143.9	29.42	137.2	26.93
		672.0	172.5	35.34	163.1	33.40	154.3	32.15	150.8	30.67	143.9	29.42	137.2	26.93
		840.0	172.5	35.48	163.1	33.54	154.3	32.29	150.8	30.81	143.9	29.22	137.2	27.00
		1008.0	172.5	35.54	163.1	33.61	154.3	32.36	150.8	30.88	143.9	29.11	137.2	27.04
	15	268.8	172.5	32.61	163.1	30.60	154.3	29.29	150.8	27.70	143.9	26.41	137.2	24.38
		336.0	172.5	32.29	163.1	30.26	154.3	28.94	150.8	27.56	143.9	26.24	137.2	24.20
		672.0	172.5	30.95	163.1	28.94	154.3	27.56	150.8	26.93	143.9	25.52	137.2	23.51
		840.0	172.5	30.95	163.1	28.94	154.3	27.56	150.8	26.93	143.9	24.90	137.2	23.51
		1008.0	172.5	30.95	163.1	28.94	154.3	27.56	150.8	26.93	143.9	24.58	137.2	23.51
	20	268.8	172.5	27.11	163.1	25.69	154.3	25.07	150.8	24.38	143.9	23.06	137.2	21.65
		336.0	172.5	26.93	163.1	25.52	154.3	24.90	150.8	24.20	143.9	22.89	137.2	21.50
		672.0	172.5	26.24	163.1	24.90	154.3	24.20	150.8	23.51	143.9	22.20	137.2	20.88
		840.0	172.5	26.24	163.1	24.90	154.3	24.20	150.8	22.89	143.9	22.20	137.2	20.19
		1008.0	172.5	26.24	163.1	24.90	154.3	24.20	150.8	22.58	143.9	22.20	137.2	19.81
	25	268.8	172.5	24.38	163.1	23.06	154.3	21.65	150.8	21.06	143.9	19.47	137.2	18.15
		336.0	172.5	24.20	163.1	22.89	154.3	21.50	150.8	20.88	143.9	19.47	137.2	18.15
		672.0	172.5	23.51	163.1	22.20	154.3	20.88	150.8	20.19	143.9	19.47	137.2	18.15
		840.0	172.5	22.89	163.1	21.50	154.3	20.88	150.8	20.19	143.9	18.85	137.2	18.15
		1008.0	172.5	22.58	163.1	21.16	154.3	20.88	150.8	20.19	143.9	18.53	137.2	18.15
	30	268.8	172.5	21.65	163.1	20.36	154.3	19.02	150.8	18.15	143.9	17.63	137.2	16.15
		336.0	172.5	21.50	163.1	20.19	154.3	18.85	150.8	18.15	143.9	17.46	137.2	16.15
		672.0	172.5	20.88	163.1	19.47	154.3	18.15	150.8	18.15	143.9	16.84	137.2	16.15
		840.0	172.5	20.88	163.1	19.47	154.3	18.15	150.8	17.46	143.9	16.84	137.2	16.15
		1008.0	172.5	20.88	163.1	19.47	154.3	18.15	150.8	17.11	143.9	16.84	137.2	16.15
	35	268.8	172.5	19.64	163.1	18.33	154.3	16.84	150.8	17.01	143.9	15.45	137.2	15.00
		336.0	172.5	19.47	163.1	18.15	154.3	16.84	150.8	16.84	143.9	15.45	137.2	14.83
		672.0	172.5	18.85	163.1	17.46	154.3	16.84	150.8	16.15	143.9	15.45	137.2	14.11
		840.0	172.5	18.85	163.1	17.46	154.3	16.15	150.8	16.15	143.9	15.45	137.2	14.11
		1008.0	172.5	18.85	163.1	17.46	154.3	15.80	150.8	16.15	143.9	15.45	137.2	14.11
	40	268.8	172.5	18.33	163.1	17.01	154.3	15.59	150.8	14.83	143.9	14.11	137.2	13.59
		336.0	172.5	18.15	163.1	16.84	154.3	15.45	150.8	14.83	143.9	14.11	137.2	13.42
		672.0	172.5	17.46	163.1	16.15	154.3	14.83	150.8	14.83	143.9	14.11	137.2	12.79
		840.0	172.5	17.46	163.1	16.15	154.3	14.83	150.8	14.11	143.9	13.42	137.2	12.79
		1008.0	172.5	17.46	163.1	16.15	154.3	14.83	150.8	13.76	143.9	13.07	137.2	12.79
	45	268.8	172.5	17.01	163.1	15.59	154.3	14.45	150.8	12.65	143.9	12.79	137.2	12.28
		336.0	172.5	16.84	163.1	15.45	154.3	14.11	150.8	12.79	143.9	12.79	137.2	12.10
		672.0	172.5	16.15	163.1	14.83	154.3	12.79	150.8	13.42	143.9	12.79	137.2	11.41
		840.0	172.5	16.15	163.1	14.83	154.3	13.42	150.8	12.10	143.9	11.41	137.2	11.41
		1008.0	172.5	16.15	163.1	14.83	154.3	13.73	150.8	11.44	143.9	10.72	137.2	11.41
60	-5	268.8	59.2	19.74	55.6	18.98	52.5	18.25	51.8	16.94	51.8	16.67	50.7	14.90
		336.0	61.3	20.19	57.4	19.40	54.3	18.64	53.9	17.32	53.5	17.05	52.5	15.25
		672.0	69.6	21.92	65.1	21.09	61.6	20.26	60.9	18.78	60.6	18.50	59.5	16.56
		840.0	76.7	23.58	71.8	22.75	68.2	21.85	67.2	20.33	67.2	19.95	65.8	17.81
		1008.0	80.5	24.41	75.2	23.58	71.4	22.65	70.4	21.09	70.3	20.71	68.6	18.43
	0	268.8	106.0	28.91	97.7	27.90	91.0	26.69	89.3	24.83	88.2	24.48	84.7	21.85
		336.0	106.7	29.01	98.3	27.97	91.7	26.79	89.9	24.90	88.6	24.55	85.4	21.92
		672.0	109.2	29.36	100.5	28.25	93.8	27.14	92.0	25.17	90.7	24.83	87.2	22.13
		840.0	110.6	29.36	102.2	28.25	95.5	27.14	93.4	25.17	92.1	24.83	88.6	22.13
		1008.0	111.6	29.36	102.9	28.25	96.2	27.14	94.1	25.17	92.8	24.83	89.3	22.13

7. Capacity tables

Heating Capacity (70 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	5	268.8	146.6	31.50	138.2	30.32	132.6	29.05	129.2	27.07	123.6	26.66	117.6	23.75
		336.0	147.0	31.64	138.6	30.46	132.6	29.22	129.2	27.21	123.6	26.79	117.6	23.86
		672.0	148.1	32.29	139.6	31.09	132.6	29.84	129.2	27.76	123.6	27.35	117.6	24.34
		840.0	148.1	32.57	139.3	31.29	132.6	30.05	129.2	27.97	123.6	27.49	117.6	24.55
		1008.0	148.1	32.71	139.3	31.40	132.6	30.15	129.2	28.08	123.6	27.56	117.6	24.65
	10	268.8	147.3	28.94	138.6	27.69	132.6	26.38	129.2	24.62	123.6	24.17	117.6	21.65
		336.0	147.4	28.94	138.9	27.69	132.6	26.38	129.2	24.69	123.6	24.13	117.6	21.71
		672.0	148.1	28.94	139.6	27.69	132.6	26.38	129.2	24.97	123.6	24.07	117.6	21.92
		840.0	148.1	29.01	139.3	27.42	132.6	26.10	129.2	24.69	123.6	23.86	117.6	21.71
		1008.0	148.1	29.04	139.3	27.28	132.6	25.93	129.2	24.55	123.6	23.75	117.6	21.61
	15	268.8	148.1	26.41	139.3	25.07	132.6	23.68	129.2	22.20	123.6	21.65	117.6	19.47
		336.0	148.1	26.24	139.3	24.90	132.6	23.51	129.2	22.20	123.6	21.50	117.6	19.47
		672.0	148.1	25.52	139.3	24.20	132.6	22.89	129.2	22.20	123.6	20.88	117.6	19.47
		840.0	148.1	25.52	139.3	23.51	132.6	22.20	129.2	21.50	123.6	20.19	117.6	18.85
		1008.0	148.1	25.52	139.3	23.17	132.6	21.85	129.2	21.16	123.6	19.81	117.6	18.53
	20	268.8	148.1	23.06	139.3	21.65	132.6	20.36	129.2	19.64	123.6	19.02	117.6	17.63
		336.0	148.1	22.89	139.3	21.50	132.6	20.19	129.2	19.47	123.6	18.85	117.6	17.46
		672.0	148.1	22.20	139.3	20.88	132.6	19.47	129.2	18.85	123.6	18.15	117.6	16.84
		840.0	148.1	22.20	139.3	20.88	132.6	19.47	129.2	18.85	123.6	18.15	117.6	16.84
		1008.0	148.1	22.20	139.3	20.88	132.6	19.47	129.2	18.85	123.6	18.15	117.6	16.84
	25	268.8	148.1	20.36	139.3	19.02	132.6	17.46	129.2	17.63	123.6	16.15	117.6	15.59
		336.0	148.1	20.19	139.3	18.85	132.6	17.46	129.2	17.46	123.6	16.15	117.6	15.45
		672.0	148.1	19.47	139.3	18.15	132.6	17.46	129.2	16.84	123.6	16.15	117.6	14.83
		840.0	148.1	19.47	139.3	18.15	132.6	16.84	129.2	16.84	123.6	16.15	117.6	14.83
		1008.0	148.1	19.47	139.3	18.15	132.6	16.53	129.2	16.84	123.6	16.15	117.6	14.83
	30	268.8	148.1	18.33	139.3	17.01	132.6	16.32	129.2	15.59	123.6	15.00	117.6	14.31
		336.0	148.1	18.15	139.3	16.84	132.6	16.15	129.2	15.45	123.6	14.83	117.6	14.11
		672.0	148.1	17.46	139.3	16.15	132.6	15.45	129.2	14.83	123.6	14.11	117.6	13.42
		840.0	148.1	17.46	139.3	16.15	132.6	15.45	129.2	14.83	123.6	14.11	117.6	13.42
		1008.0	148.1	17.46	139.3	16.15	132.6	15.45	129.2	14.83	123.6	14.11	117.6	13.42
	35	268.8	148.1	16.15	139.3	15.59	132.6	14.11	129.2	14.31	123.6	13.59	117.6	12.97
		336.0	148.1	16.15	139.3	15.45	132.6	14.11	129.2	14.11	123.6	13.42	117.6	12.79
		672.0	148.1	16.15	139.3	14.83	132.6	14.11	129.2	13.42	123.6	12.79	117.6	12.10
		840.0	148.1	16.15	139.3	14.83	132.6	13.42	129.2	13.42	123.6	12.79	117.6	12.10
		1008.0	148.1	16.15	139.3	14.83	132.6	13.07	129.2	13.42	123.6	12.79	117.6	12.10
	40	268.8	148.1	14.83	139.3	14.31	132.6	12.79	129.2	12.97	123.6	12.28	117.6	11.41
		336.0	148.1	14.83	139.3	14.11	132.6	12.79	129.2	12.79	123.6	12.10	117.6	11.41
		672.0	148.1	14.83	139.3	13.42	132.6	12.79	129.2	12.10	123.6	11.41	117.6	11.41
		840.0	148.1	14.83	139.3	13.42	132.6	12.79	129.2	12.10	123.6	11.41	117.6	11.41
		1008.0	148.1	14.83	139.3	13.42	132.6	12.79	129.2	12.10	123.6	11.41	117.6	11.41
	45	268.8	148.1	13.42	139.3	12.97	132.6	11.41	129.2	11.58	123.6	10.96	117.6	9.92
		336.0	148.1	13.42	139.3	12.79	132.6	11.41	129.2	11.41	123.6	10.79	117.6	10.10
		672.0	148.1	13.42	139.3	12.10	132.6	11.41	129.2	10.79	123.6	10.10	117.6	10.79
		840.0	148.1	13.42	139.3	12.10	132.6	12.10	129.2	10.79	123.6	10.10	117.6	10.79
		1008.0	148.1	13.42	139.3	12.10	132.6	12.45	129.2	10.79	123.6	10.10	117.6	10.79
50	-5	268.8	49.4	15.73	46.5	14.90	43.8	14.11	43.1	13.35	43.0	12.52	42.3	11.86
		336.0	51.1	16.08	48.0	15.25	45.5	14.39	44.8	13.62	44.5	12.79	43.7	12.10
		672.0	57.7	17.39	54.2	16.56	51.4	15.59	50.7	14.83	50.4	13.90	49.4	13.07
		840.0	63.7	18.78	59.9	17.81	56.7	16.84	56.0	16.01	55.6	14.97	54.6	14.11
		1008.0	66.9	19.50	62.7	18.43	59.2	17.46	58.8	16.60	58.1	15.49	57.4	14.66
	0	268.8	88.2	23.03	81.6	21.85	75.9	20.61	74.2	19.54	73.2	18.39	70.7	17.32
		336.0	88.6	23.10	81.9	21.92	76.3	20.67	74.6	19.61	73.5	18.43	71.0	17.39
		672.0	90.7	23.30	84.0	22.13	78.1	20.95	76.6	19.88	75.6	18.64	72.5	17.60
		840.0	92.1	23.30	85.1	22.13	79.1	20.95	77.7	19.88	76.6	18.64	73.8	17.60
		1008.0	92.8	23.30	85.7	22.13	79.8	20.95	78.4	19.88	77.0	18.64	74.5	17.60
	5	268.8	121.8	25.07	115.5	23.75	110.2	22.41	107.5	21.33	102.9	20.02	98.0	18.81
		336.0	122.1	25.17	115.8	23.86	110.2	22.54	107.5	21.44	102.9	20.09	98.0	18.91
		672.0	123.2	25.66	116.5	24.34	110.3	23.03	107.5	21.85	102.9	20.47	98.0	19.33
		840.0	123.2	25.86	116.2	24.55	110.3	23.17	107.5	21.99	102.9	20.67	98.0	19.47
		1008.0	123.2	26.00	116.2	24.65	110.3	23.24	107.5	22.06	102.9	20.78	98.0	19.54
	10	268.8	122.5	23.06	115.8	21.71	110.2	20.43	107.5	19.50	102.9	18.05	98.0	17.22
		336.0	122.5	23.03	115.9	21.71	110.2	20.40	107.5	19.47	102.9	18.08	98.0	17.18
		672.0	123.2	22.89	116.5	21.64	110.3	20.26	107.5	19.33	102.9	18.29	98.0	17.05
		840.0	123.2	23.03	116.2	21.71	110.3	20.33	107.5	19.40	102.9	18.01	98.0	17.11
		1008.0	123.2	23.10	116.2	21.75	110.3	20.36	107.5	19.43	102.9	17.88	98.0	17.15
	15	268.8	123.2	21.06	116.2	19.64	110.3	18.33	107.5	17.63	102.9	16.15	98.0	15.59
		336.0	123.2	20.88	116.2	19.47	110.3	18.15	107.5	17.46	102.9	16.15	98.0	15.45
		672.0	123.2	20.19	116.2	18.85	110.3	17.46	107.5	16.84	102.9	16.15	98.0	14.83
		840.0	123.2	20.19	116.2	18.85	110.3	17.46	107.5	16.84	102.9	15.45	98.0	14.83
		1008.0	123.2	20.19	116.2	18.85	110.3	17.46	107.5	16.84	102.9	15.11	98.0	14.83
	20	268.8	123.2	18.33	116.2	17.01	110.3	16.32	107.5	15.59	102.9	15.00	98.0	13.42
		336.0	123.2	18.15	116.2	16.84	110.3	16.15	107.5	15.45	102.9	14.83	98.0	13.42
		672.0	123.2	17.46	116.2	16.15	110.3	15.45	107.5	14.83	102.9	14.11	98.0	13.42
		840.0	123.2	17.46	116.2	16.15	110.3	15.45	107.5	14.83	102.9	14.11	98.0	13.42
		1008.0	123.2	17.46	116.2	16.15	110.3	15.45	107.5	14.83	102.9	14.11	98.0	13.42
	25	268.8	123.2	16.32	116.2	14.83	110.3	14.31	107.5	13.42	102.9	12.79	98.0	12.10
		336.0	123.2	16.15	116.2	14.83	110.3	14.11	107.5	13.42	102.9	12.79	98.0	12.10
		672.0	123.2	15.45	116.2	14.83	110.3	13.42	107.5	13.42	102.9	12.79	98.0	12.10
		840.0	123.2	15.45	116.2	14.83	110.3	13.42	107.5	13.42	102.9	12.79	98.0	12.10
		1008.0	123.2	15.45	116.2	14.83	110.3	13.42	107.5	13.42	102.9	12.79	98.0	12.10

7. Capacity tables

Heating Capacity (70 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	30	268.8	123.2	15.00	116.2	13.59	110.3	12.97	107.5	12.10	102.9	12.28	98.0	11.58
		336.0	123.2	14.83	116.2	13.42	110.3	12.79	107.5	12.10	102.9	12.10	98.0	11.41
		672.0	123.2	14.11	116.2	12.79	110.3	12.10	107.5	12.10	102.9	11.41	98.0	10.79
		840.0	123.2	14.11	116.2	12.79	110.3	12.10	107.5	12.10	102.9	11.41	98.0	10.79
		1008.0	123.2	14.11	116.2	12.79	110.3	12.10	107.5	12.10	102.9	11.41	98.0	10.79
	35	268.8	123.2	13.59	116.2	12.10	110.3	11.41	107.5	11.58	102.9	10.79	98.0	10.10
		336.0	123.2	13.42	116.2	12.10	110.3	11.41	107.5	11.41	102.9	10.79	98.0	10.10
		672.0	123.2	12.79	116.2	12.10	110.3	11.41	107.5	10.79	102.9	10.79	98.0	10.10
		840.0	123.2	12.79	116.2	12.10	110.3	11.41	107.5	10.79	102.9	10.79	98.0	10.10
		1008.0	123.2	12.79	116.2	12.10	110.3	11.41	107.5	10.79	102.9	10.79	98.0	10.10
	40	268.8	123.2	12.28	116.2	11.58	110.3	10.96	107.5	10.10	102.9	10.27	98.0	9.40
		336.0	123.2	12.10	116.2	11.41	110.3	10.79	107.5	10.10	102.9	10.10	98.0	9.40
		672.0	123.2	11.41	116.2	10.79	110.3	10.10	107.5	10.10	102.9	9.40	98.0	9.40
		840.0	123.2	11.41	116.2	10.79	110.3	10.10	107.5	10.10	102.9	9.40	98.0	9.40
		1008.0	123.2	11.41	116.2	10.79	110.3	10.10	107.5	10.10	102.9	9.40	98.0	9.40
	45	268.8	123.2	10.96	116.2	11.13	110.3	10.41	107.5	8.61	102.9	9.72	98.0	8.78
		336.0	123.2	10.79	116.2	10.79	110.3	10.10	107.5	8.78	102.9	9.40	98.0	8.78
		672.0	123.2	10.10	116.2	9.40	110.3	8.78	107.5	9.40	102.9	8.06	98.0	8.78
		840.0	123.2	10.10	116.2	9.40	110.3	8.78	107.5	9.40	102.9	8.06	98.0	8.78
		1008.0	123.2	10.10	116.2	9.40	110.3	8.78	107.5	9.40	102.9	8.06	98.0	8.78

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB740LSA4

Heating Capacity (74 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (74 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (74 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (74 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (74 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (74 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (74 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	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

Note

1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

◆ ARWB800LSA4

Heating Capacity (80 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			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
	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

7. Capacity tables

Heating Capacity (80 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
120	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
	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

7. Capacity tables

Heating Capacity (80 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	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
	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

7. Capacity tables

Heating Capacity (80 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	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
	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

7. Capacity tables

Heating Capacity (80 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
80	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
	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
	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

7. Capacity tables

Heating Capacity (80 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60	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
	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

7. Capacity tables

Heating Capacity (80 HP)

Combinaton (%)	Inlet Water Temp.(°C)	Water Flow Rate [ℓ/min]	Indoor Air temperature (°C)											
			16		18		20		21		22		24	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	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

Note

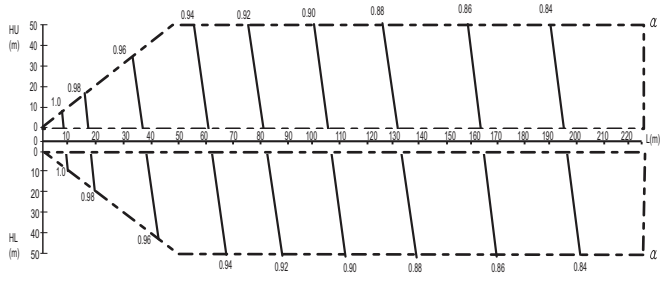
1. TC: Total Capacity(kW), PI : Power Input(kW, Comp. + Outdoor fan motor)
2. Capacity tables show the average value of conditions which may occur.
3. By applying the Variable Water Flow Valve Control KIT, the minimum flow rate to 40% is applied. Refer to the Gray colored range.

7. Capacity tables

7.3 Capacity Correction Factor

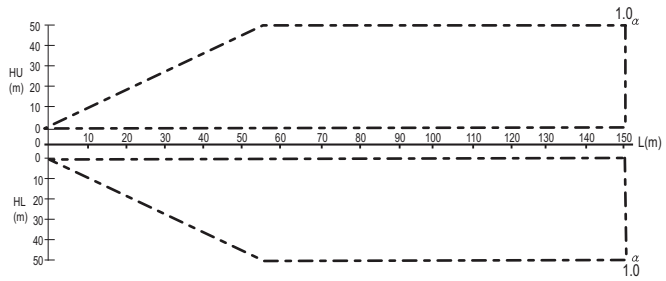
■ 8, 10, 14, 16, 18, 20, 22, 24, 28, 30, 34HP

◆ Rate of change in Cooling capacity



HU (m)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	225	HL (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	50
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	40
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	30
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	20
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	10
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	7.5
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
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	0
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	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
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	10
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	20
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	30
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	40
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	50

◆ Rate of change in Heating capacity



HU (m)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	HL (m)
50	-	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	50
40	-	-	-	-	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	40
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	30
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	20
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	10
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	7.5
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
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
0	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	L(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	7.5
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	10
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	20
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	30
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	40
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	50

[Symbols]

HU : Level difference between indoor and outside units where outside unit in upper position (m)

HL : Level difference between indoor and outside units where outside unit in lower position (m)

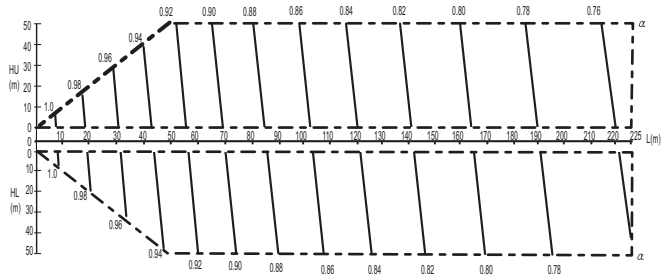
L : Equivalent pipe length (m)

α : Capacity correction factor

7. Capacity tables

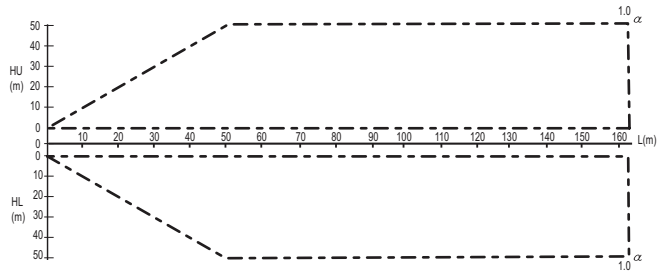
■ 40, 42, 44, 48, 50, 54, 60HP

◆ Rate of change in Cooling capacity



HU (m) \ L(m)	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
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)
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) \ L(m)	0	7.5	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	
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	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	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	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	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	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	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	1.0	
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	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	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	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	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	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	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	1.0	α

[Symbols]

HU : Level difference between indoor and outside units where outside unit in upper position (m)

HL : Level difference between indoor and outside units where outside unit in lower position (m)

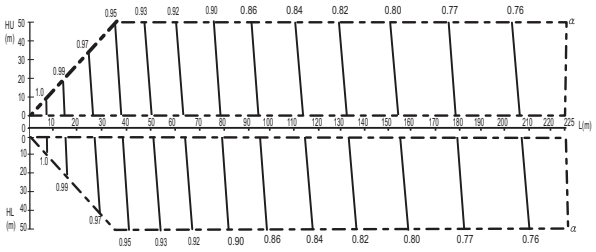
L : Equivalent pipe length (m)

α : Capacity correction factor

7. Capacity tables

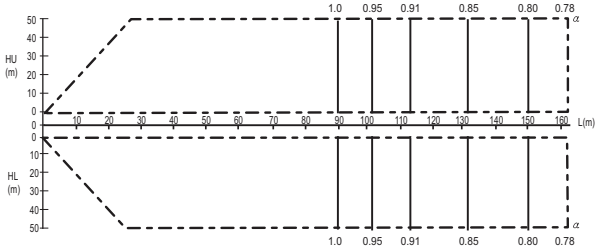
■ 62, 64, 68, 70, 74, 80HP

◆ Rate of change in Cooling capacity



HU (m) \ L(m)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	225
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	0.75
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	0.75
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	0.75
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	0.75
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	0.75
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
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
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
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

◆ Rate of change in Heating capacity



HU (m) \ L(m)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160
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
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
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
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
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
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
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

[Symbols]

HU : Level difference between indoor and outside units where outside unit in upper position (m)

HL : Level difference between indoor and outside units where outside unit in lower position (m)

L : Equivalent pipe length (m)

α : Capacity correction factor

7. Capacity tables

Note

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)													
HR Unit m(inch)	2.5(98.4)													

6. When the any one (or both) of below conditions are satisfied, the diameter of main pipe must be increased.
   - The equivalent length between outdoor unit and the farthest indoor unit is 90m or more (Liquid and Gas pipes are increased)
     Refer to the table (Refrigerant pipe diameter from outdoor unit to first branch.) in the 'installation of outside units' part.
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)

- **8, 10, 14, 16, 18, 20, 22, 24, 28, 30, 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

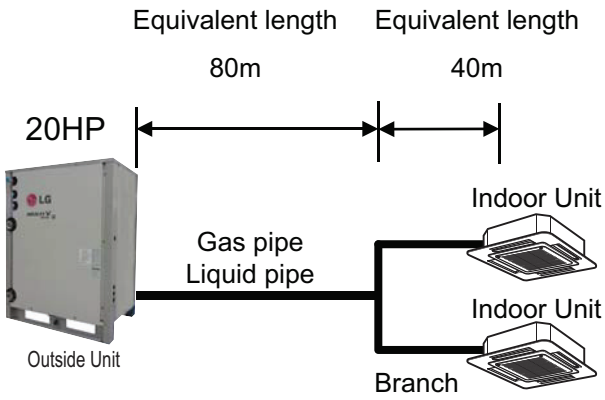
- **40, 42, 44, 48, 50, 54, 60HP**

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, 68, 70, 74, 80HP**

Rate of change (object piping)	Correction factor	
	standard size	size increase
Cooling(Gas pipe)	1.0	-
Heating(Liquid pipe)	1.0	0.4

7. Capacity tables



- (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

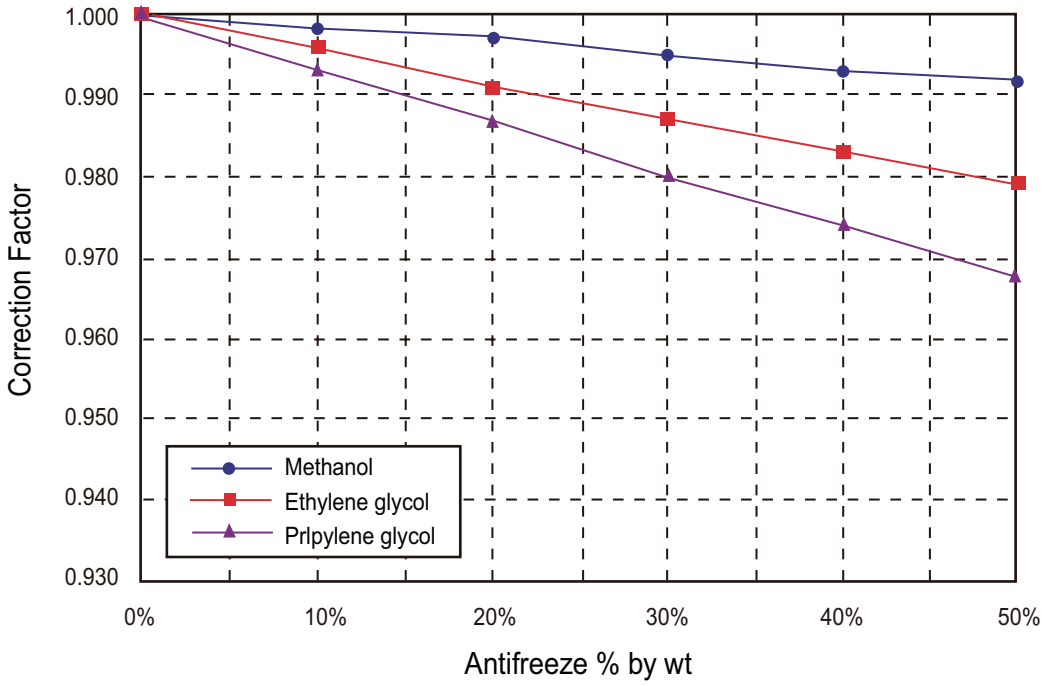
The rate of change in
Cooling capacity when HU=0m is thus approximately 0.92
Heating capacity when HU=0m is thus approximately1.00

7. Capacity tables

7.4 Antifreeze Corrections

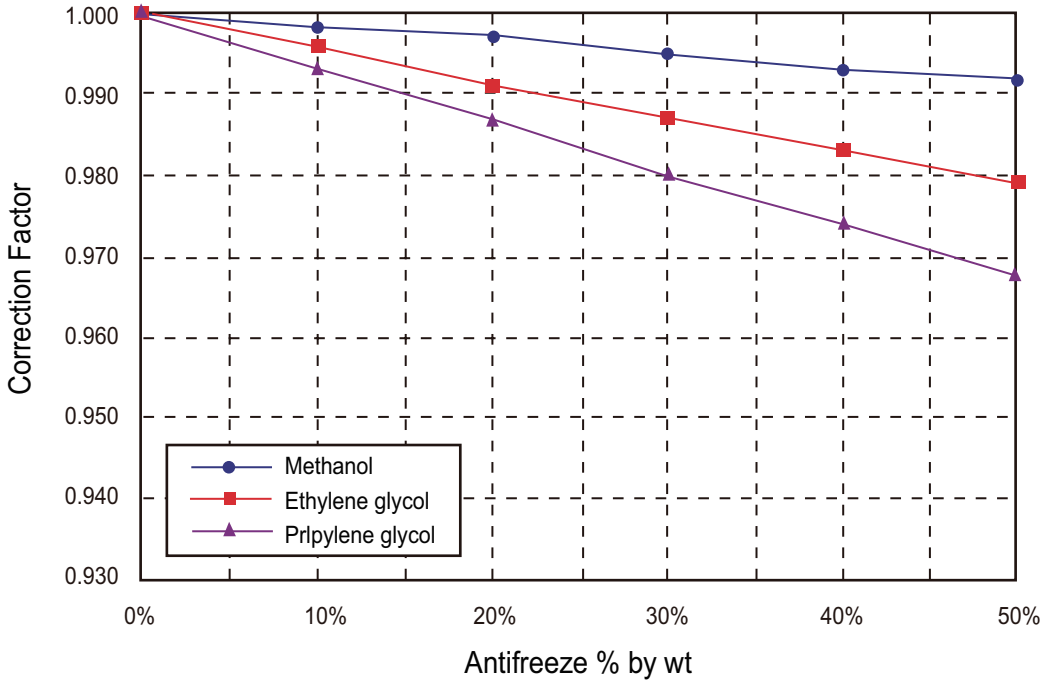
Antifreeze Type	Item	Antifreeze % by wt				
		10%	20%	30%	40%	50%
Methanol	Cooling	0.998	0.997	0.995	0.993	0.992
	Heating	0.995	0.990	0.985	0.979	0.974
	Pressure Drop	1.023	1.057	1.091	1.122	1.160
Ethylene glycol	Cooling	0.996	0.991	0.987	0.983	0.979
	Heating	0.993	0.985	0.997	0.969	0.961
	Pressure Drop	1.024	1.068	1.124	1.188	1.263
Propylene glycol	Cooling	0.993	0.987	0.980	0.974	0.968
	Heating	0.986	0.973	0.960	0.948	0.935
	Pressure Drop	1.040	1.098	1.174	1.273	1.405

◆ **Correction factor of cooling capacity**



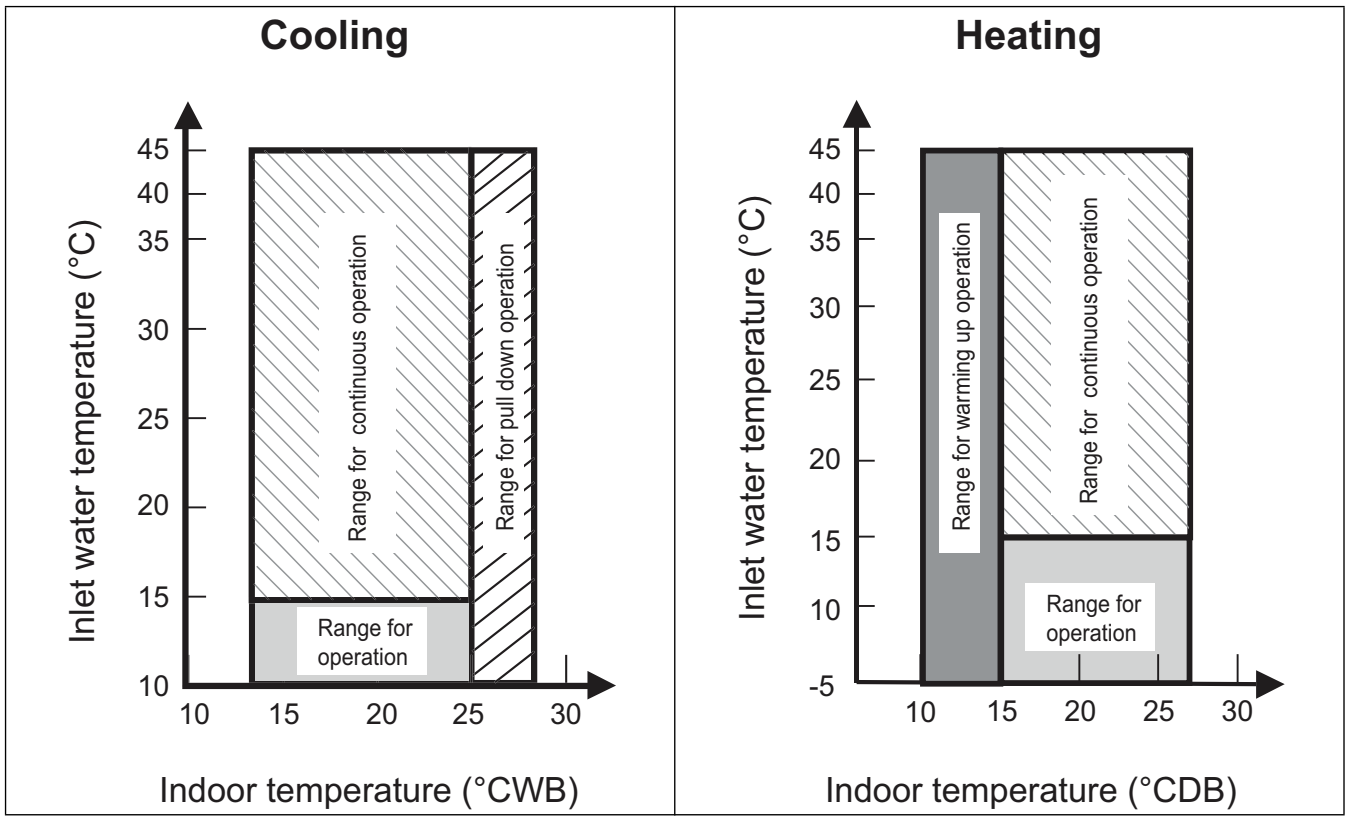
7. Capacity tables

◆ Correction factor of heating capacity



8. Operation Limits

8.1 Cooling / Heating Operation



Note

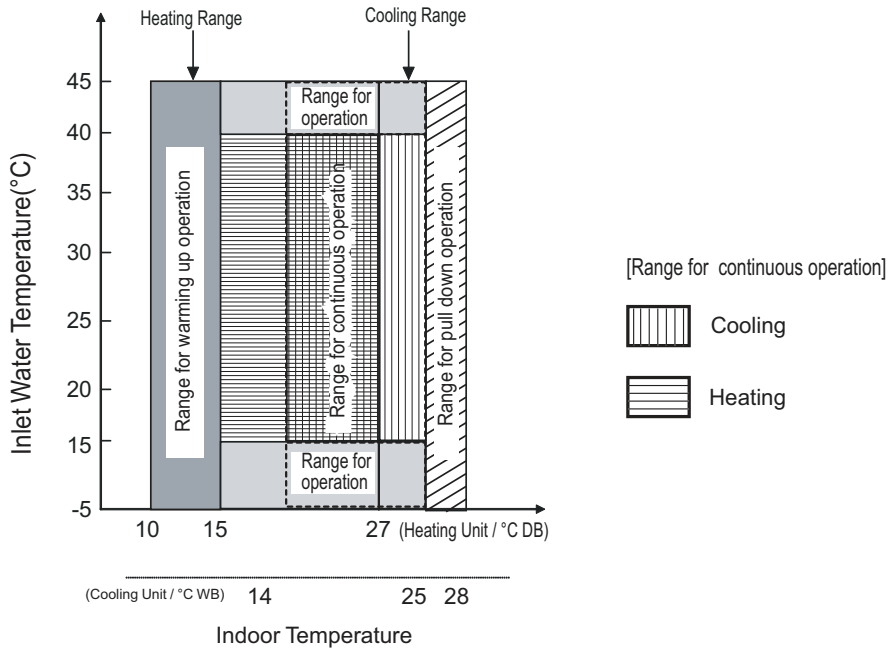
These figures assume the following operating conditions:

Equivalent piping length:7.5m

Level difference:0m

8. Operation Limits

8.2 Simultaneous Cooling / Heating Operation



Indoor Temperature(Cooling (°CWB), Heating (°CDB)

■ Recommend water operation temp: 20~35°C

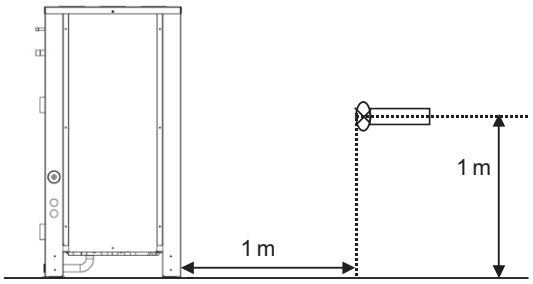
Note

These figures assume the following operating conditions:

Equivalent piping length:7.5m

Level difference:0m

9. Sound Levels



Note

- 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
- Sound level can be increased in static pressure mode or air guide application.

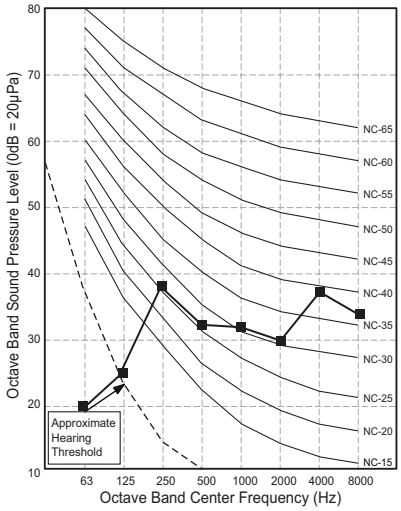
Model	Cooling	Heating
8 HP	47	51
10 HP	50	53
14 HP	58	57
20 HP	54	60
16 HP	50	54
18 HP	52	55
22 HP	58	58
24 HP	59	58
28 HP	59	58
30 HP	55	61
34 HP	59	61
40 HP	55	61
42 HP	60	62
44 HP	60	62
48 HP	60	62
50 HP	58	63
54 HP	60	62
60 HP	56	62
62 HP	61	64
64 HP	61	64
68 HP	61	63
70 HP	59	65
74 HP	61	63
80 HP	57	63

9. Sound Levels

■ Sound pressure level

◆ Cooling

ARWB080LAS4



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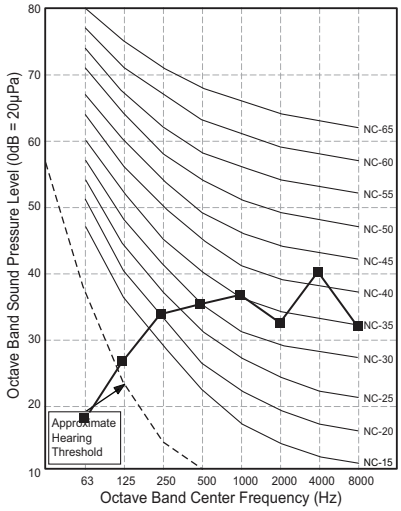

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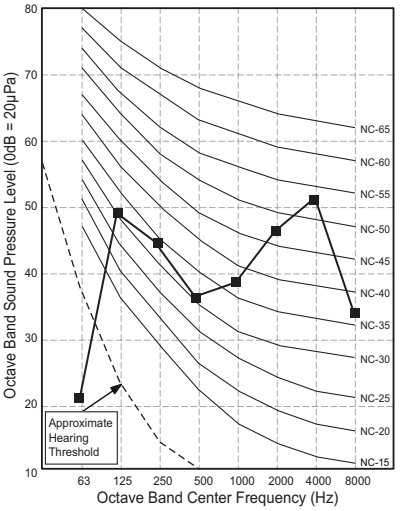

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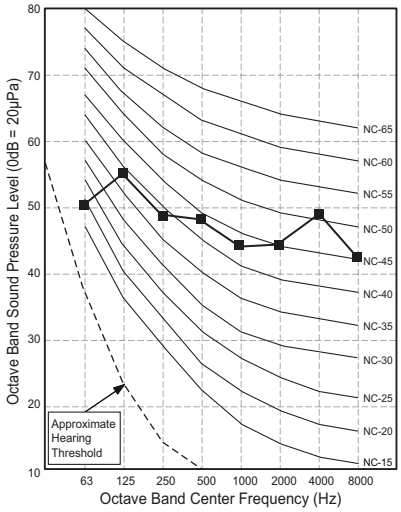

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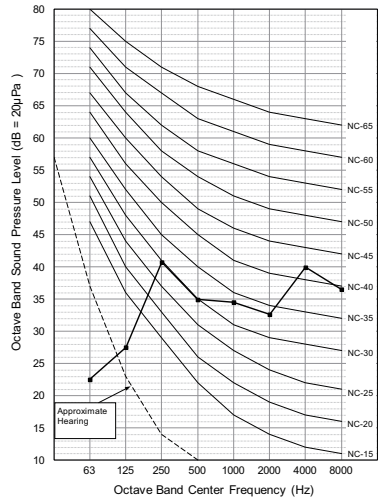

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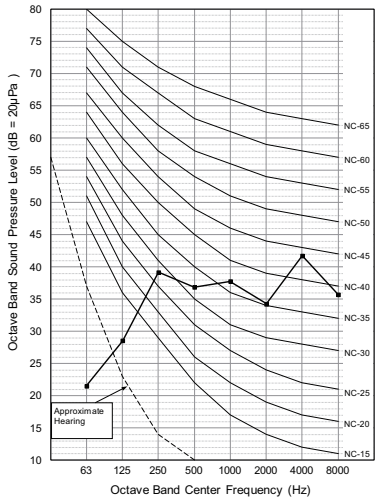

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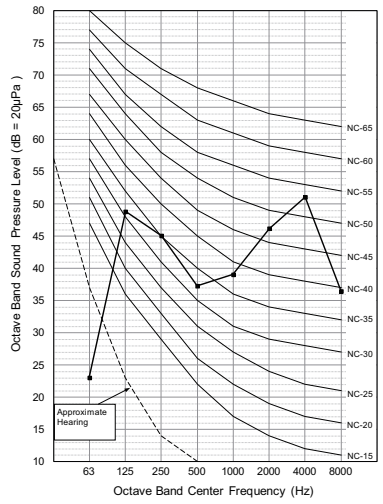

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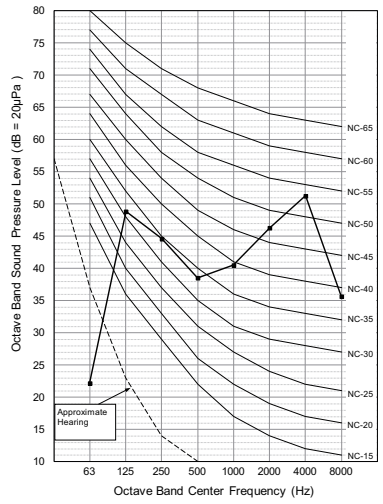

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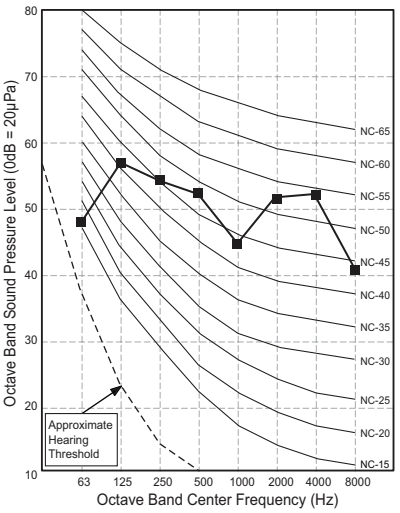
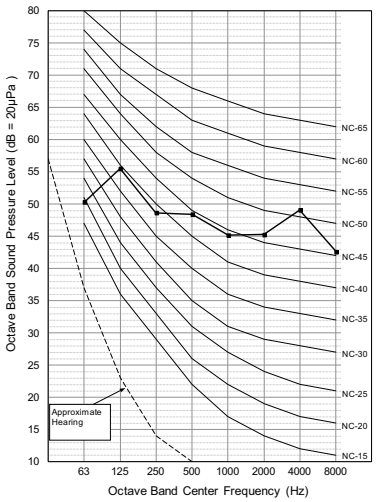


9. Sound Levels

ARWB300LAS4



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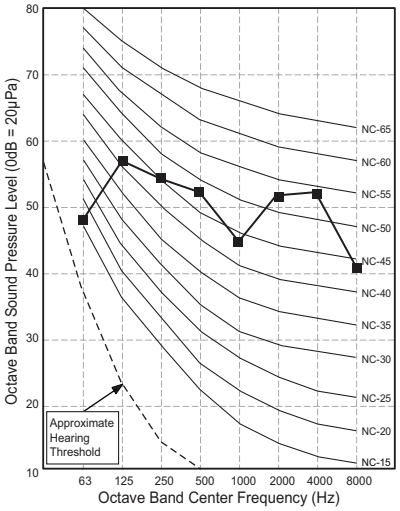

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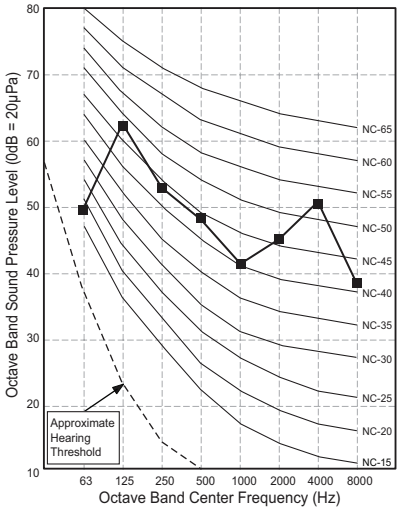

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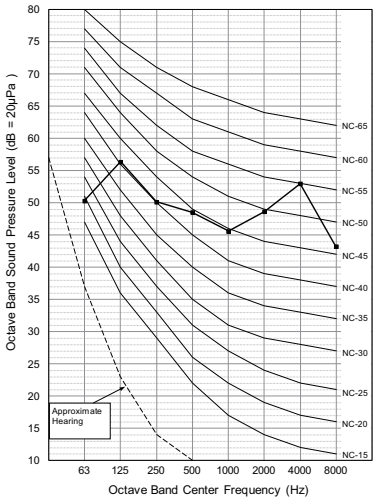

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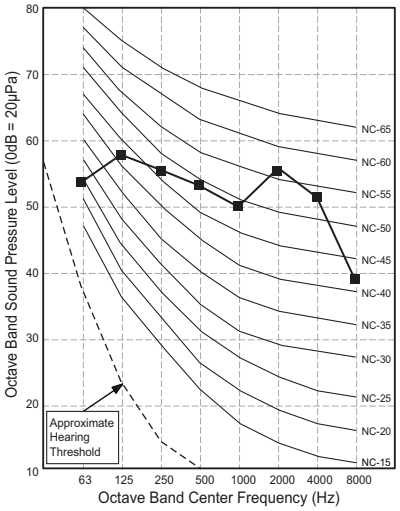

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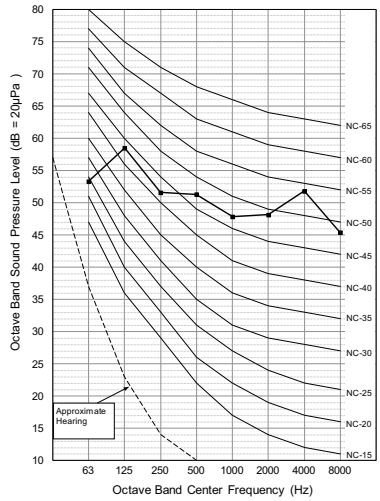

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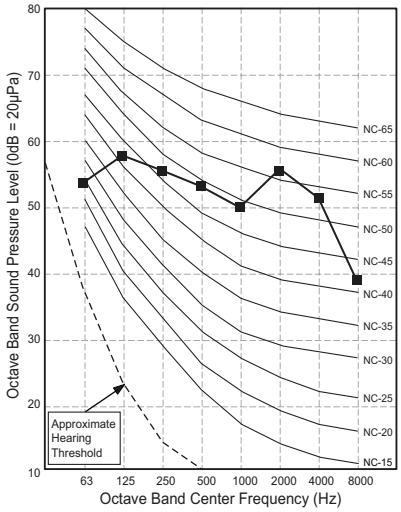

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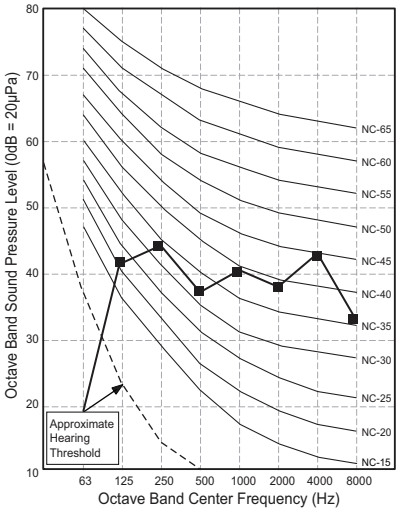

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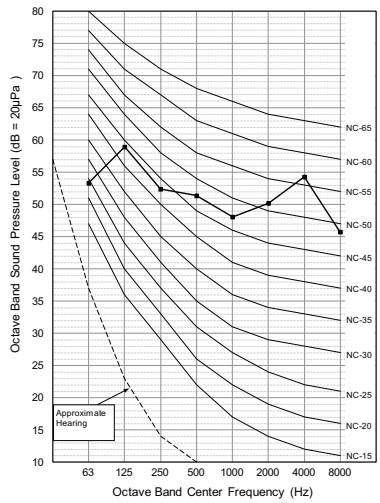
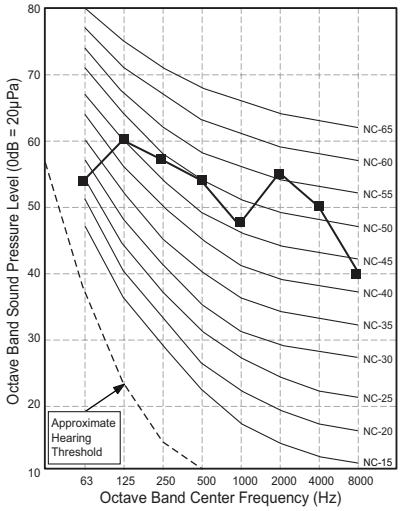


9. Sound Levels

ARWB680LAS4



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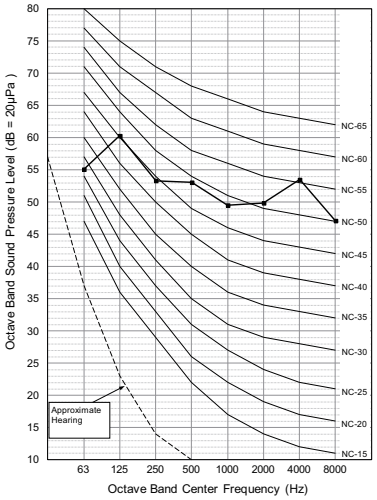

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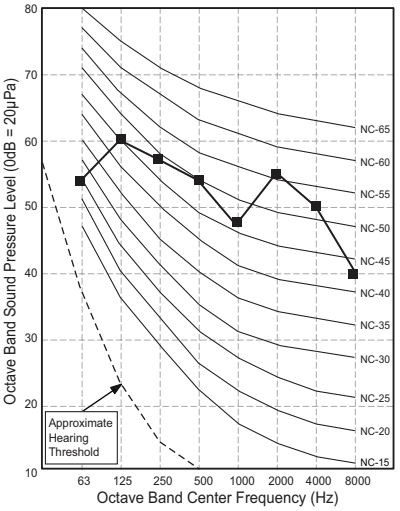

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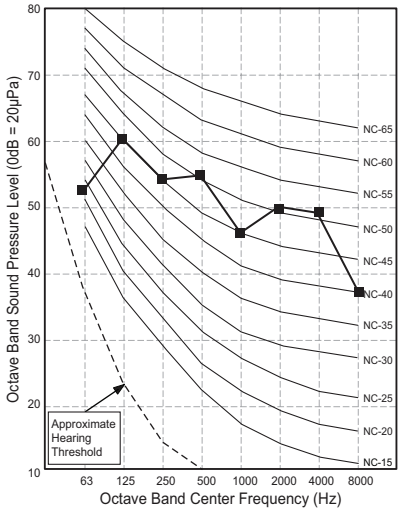
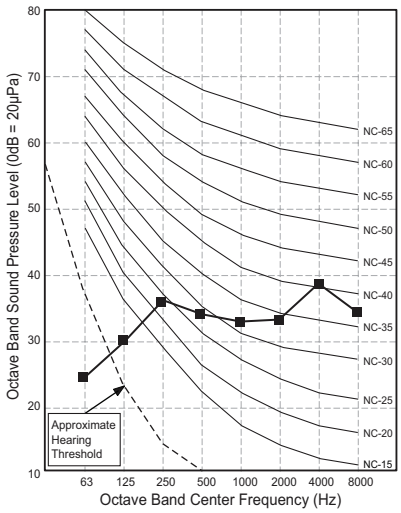


9. Sound Levels

◆ Heating

ARWB080LAS4



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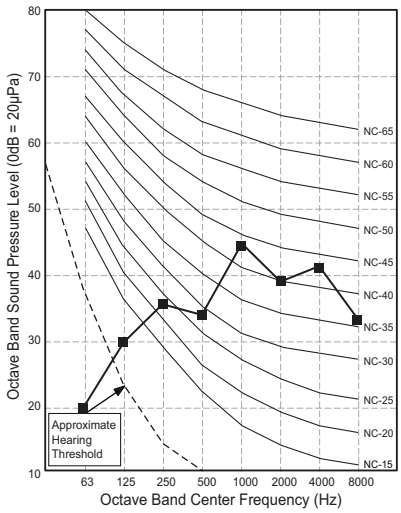

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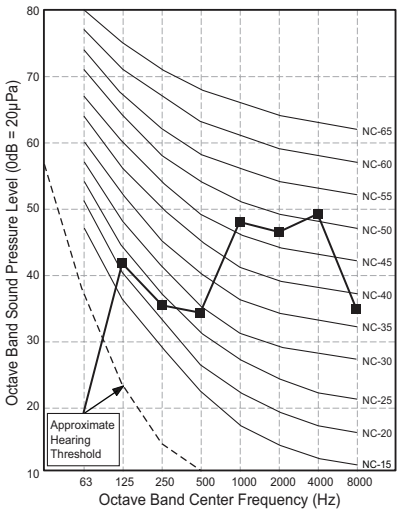

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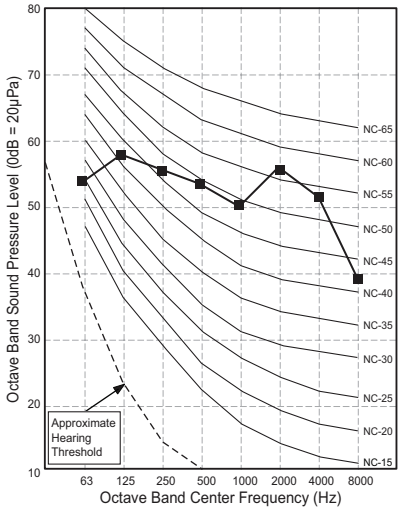

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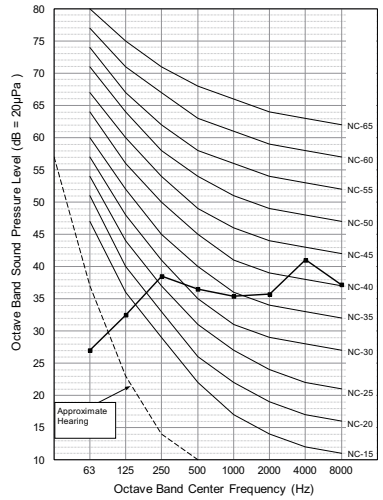

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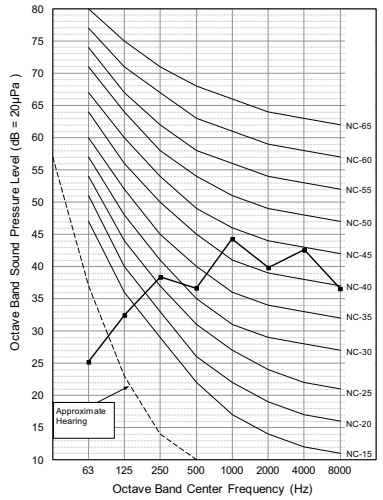

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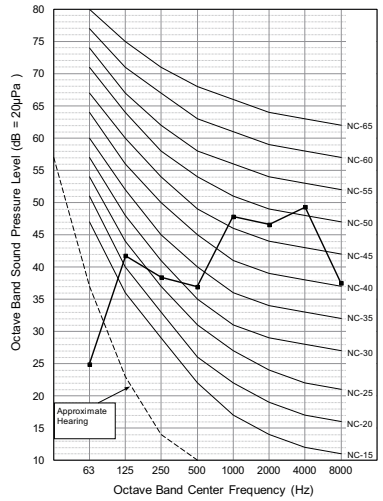

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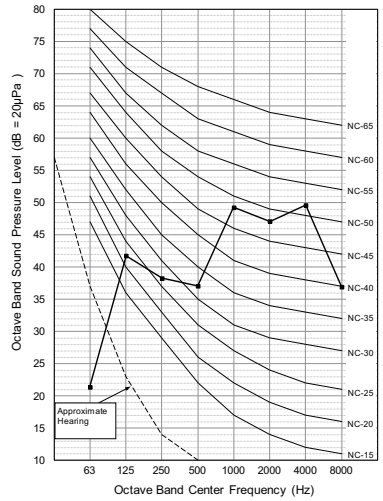

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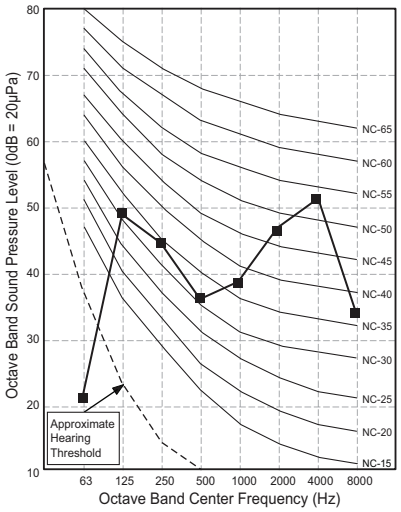
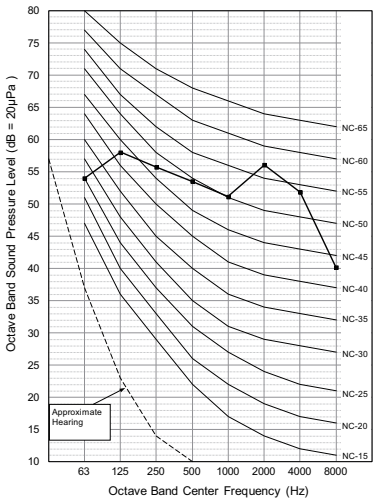


9. Sound Levels

ARWB300LAS4



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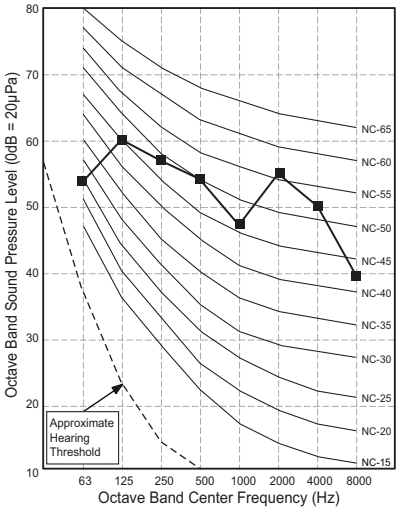

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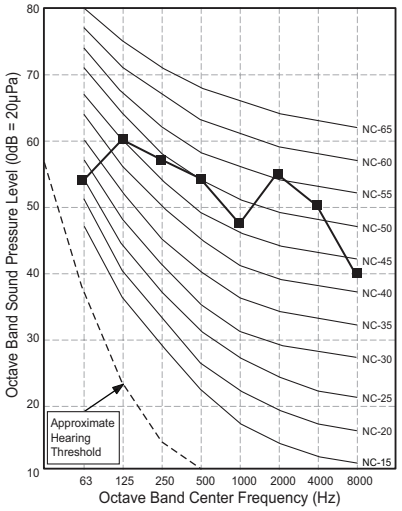
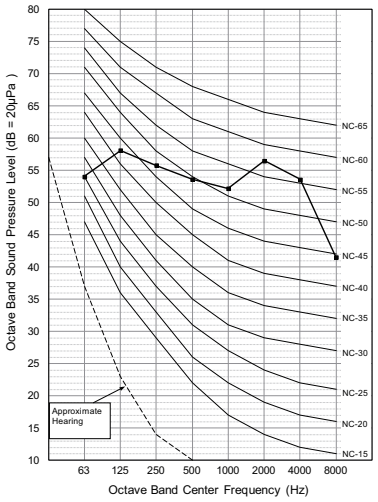


ARWB420LAS4 ARWB440LAS4



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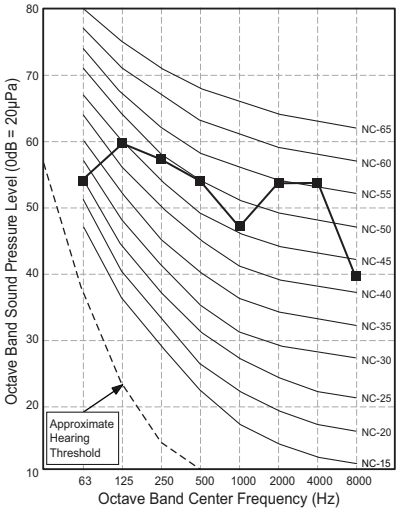
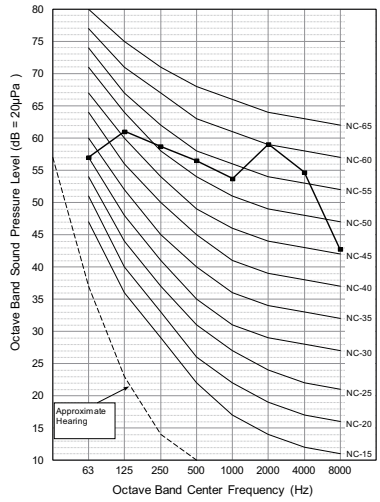
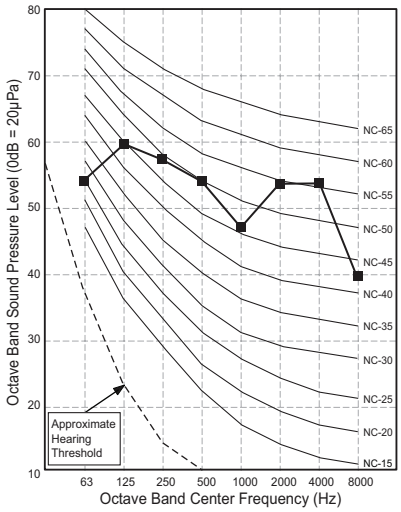


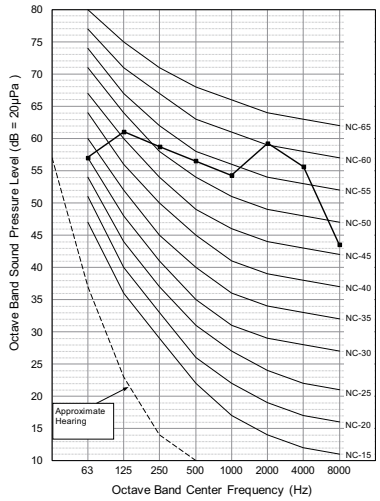
ARWB500LAS4



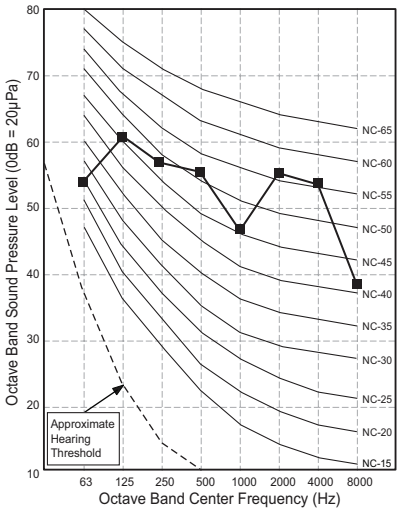
ARWB540LAS4 ARWB600LAS4



ARWB620LAS4 ARWB640LAS4

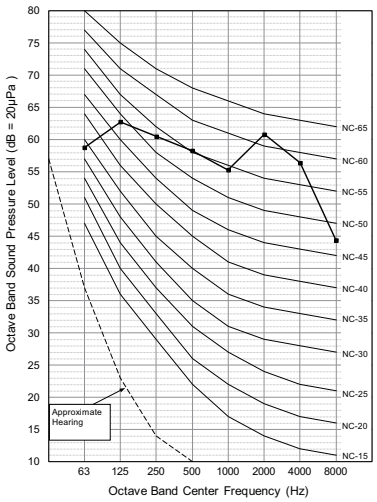


ARWB680LAS4

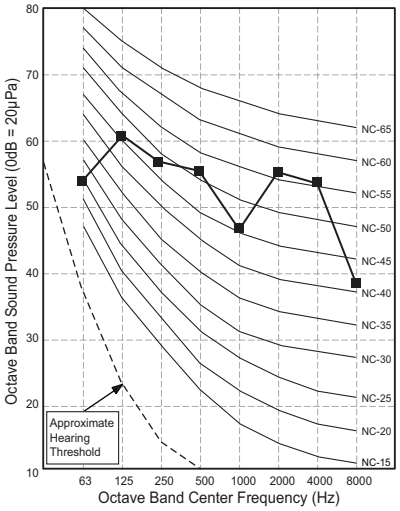


9. Sound Levels

ARWB700LAS4

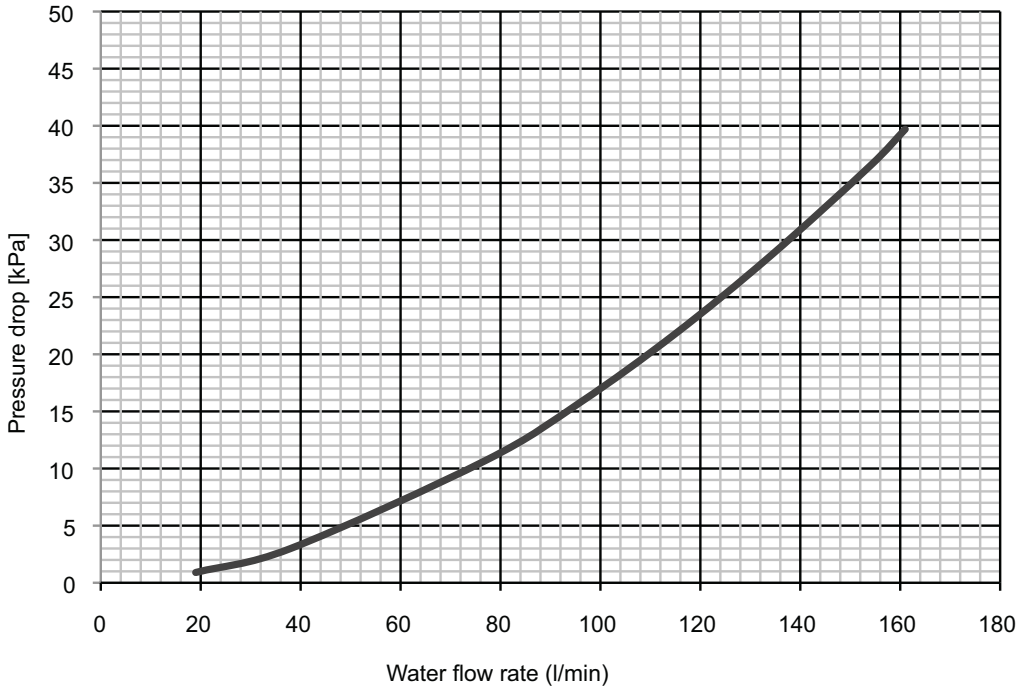


ARWB740LAS4 ARWB800LAS4

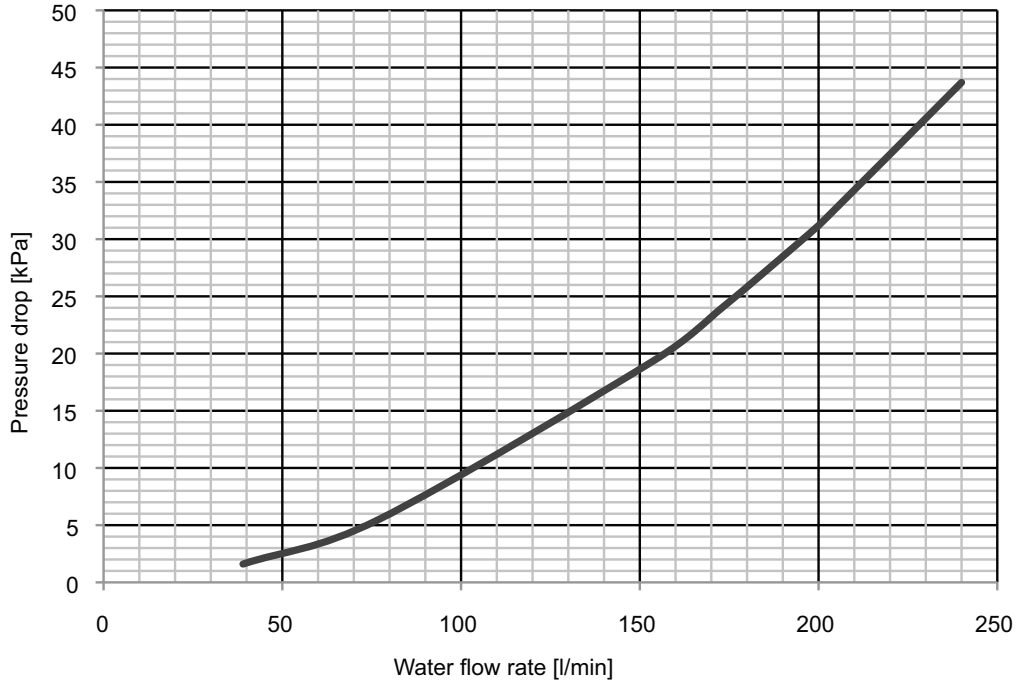


10. Head loss by Water flow

◆ ARWB080LAS4 / ARWB100LAS4 / ARWB140LAS4



◆ ARWB200LAS4



11. Accessories

◆ Optional Accessories

No.	Name	Model
1	Y branch pipe	ARBLB01621
		ARBLB03321
		ARBLB07121
		ARBLB14521
		ARBLB23220
2	Header	ARBL054
		ARBL057
		ARBL104
		ARBL107
		ARBL1010
		ARBL2010
3	Connection pipe of Outside Units	ARCNB21
		ARCNB31
		ARCNB41

MULTI V™ WATER IV

Heat Recovery

Installation of Outside Units

1. Alternative Refrigerant R410A
2. Select the Best Location
3. Installation Space
4. Water Control
5. Lifting Method
6. Installation
7. Device protection unit
8. Refrigerant Piping System
9. Electrical Wiring
10. Cooling tower applied method
11. Test Run
12. Water Solenoid Valve Control
13. Variable Water Flow Valve Control KIT (Accessory)

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.**

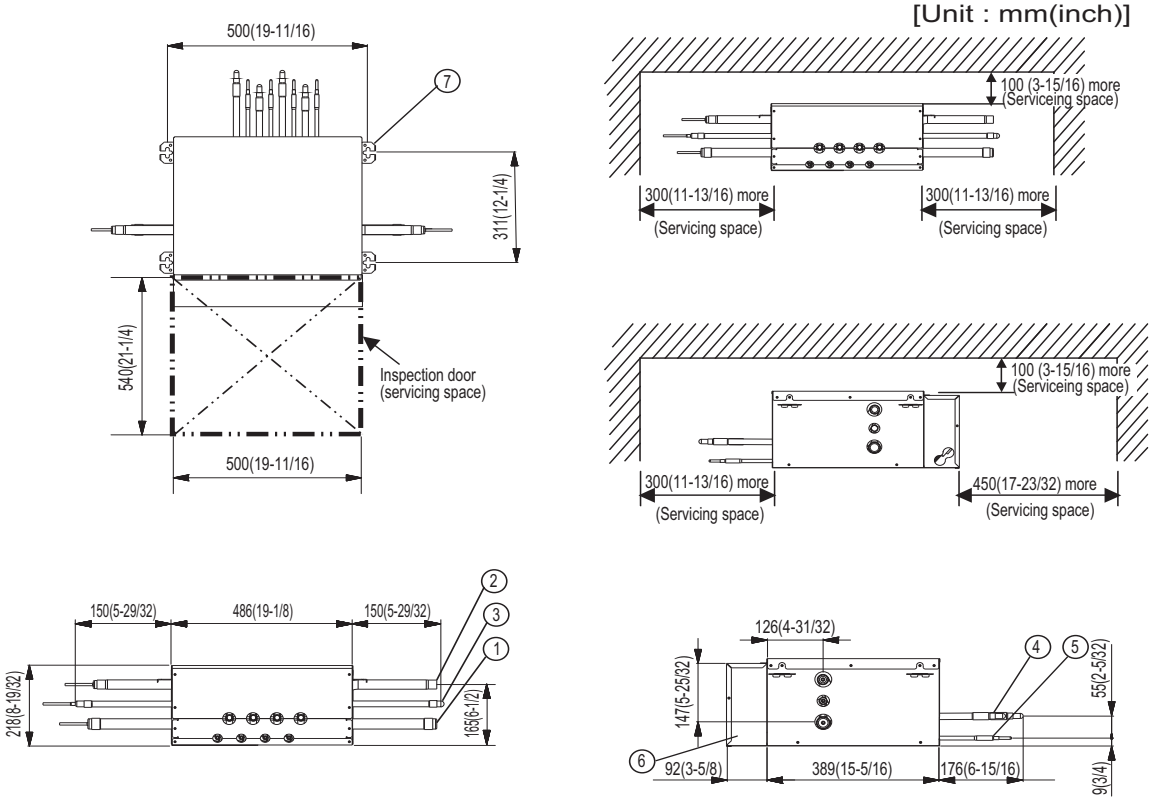
3. Installation Space

■ Select installation location of the HR unit suitable for following conditions

- Avoid a place where rain may enter since the HR unit is for indoor.
- Sufficient service space must be obtained.
- Refrigerant pipe must not exceed limited length.
- Avoid a place subject to a strong radiation heat from other heat source.
- Avoid a place where oil spattering, vapor spray or high frequency electric noise is expected.
- Install the unit at a place in which it is not affected by operation noise. (Installation within cell such as meeting room etc. may disturb business due to noise.)
- Place where refrigerant piping, drain piping and electrical wiring works are easy.

PRHR023 / PRHR033 / PRHR043

[Unit : mm(inch)]



No.	Part Name	Description	
		PRHR033 / PRHR043	PRHR023
1	Low pressure Gas pipe connection port	Ø28.58(1-1/8) Brazing connection	Ø22.2(7/8) Brazing connection
2	High pressure Gas pipe connection port	Ø22.2(7/8) Brazing connection	Ø19.05(3/4) Brazing connection
3	Liquid pipe connection port	Ø15.88(5/8) Brazing connection(PRHR043) Ø12.7 Brazing connection(PRHR033)	Ø9.52(3/8) Brazing connection
4	Indoor unit Gas pipe connection port	Ø15.88(5/8)~Ø12.7(1/2) Brazing connection	Ø15.88(5/8)~Ø12.7(1/2) Brazing connection
5	Indoor unit Liquid pipe connection port	Ø9.52(3/8)~Ø6.35(1/4) Brazing connection	Ø9.52(3/8)~Ø6.35(1/4) Brazing connection
6	Control box	-	-
7	Hanger metal	Suspension bolt M10 or M8	Suspension bolt M10 or M8

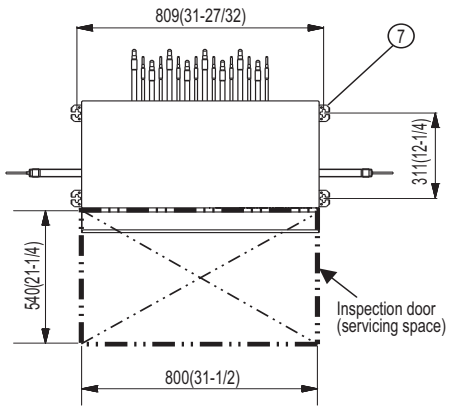
Notice

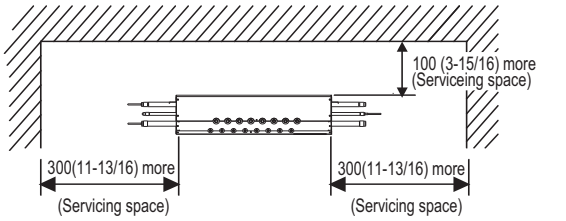
1. Be sure to install the inspection door at the control box side.
2. If reducers are used, servicing space must be increased equal to reducer's dimension.

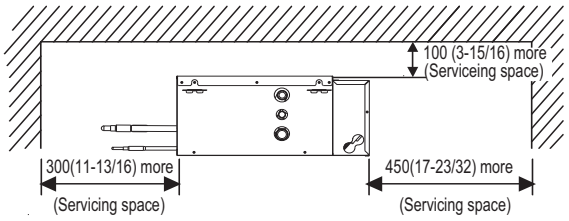
3. Installation Space

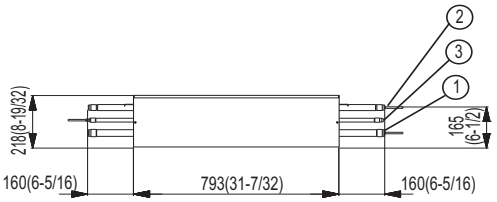
PRHR063 / PRHR083

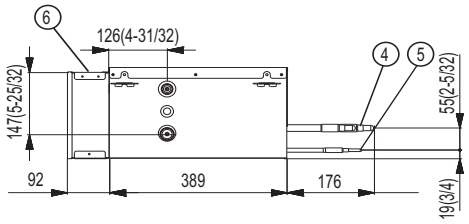
[Unit : mm(inch)]











No.	Part Name	Description
		PRHR063 / PRHR083
1	Low pressure Gas pipe connection port	Ø28.58(1-1/8) Brazing connection
2	High pressure Gas pipe connection port	Ø22.2(7/8) Brazing connection
3	Liquid pipe connection port	Ø15.88(5/8) Brazing connection
4	Indoor unit Gas pipe connection port	Ø15.88(5/8)~Ø12.7(1/2) Brazing connection
5	Indoor unit Liquid pipe connection port	Ø9.52(3/8)~Ø6.35(1/4) Brazing connection
6	Control box	-
7	Hanger metal	Suspension bolt M10 or M8

Notice

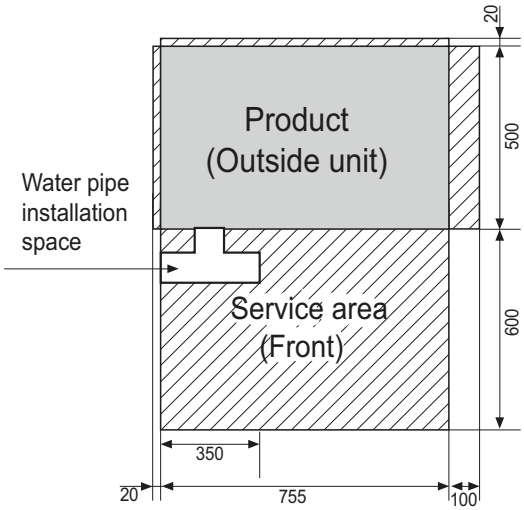
1. Be sure to install the inspection door at the control box side.
2. If reducers are used, servicing space must be increased equal to reducer's dimension.

3. Installation Space

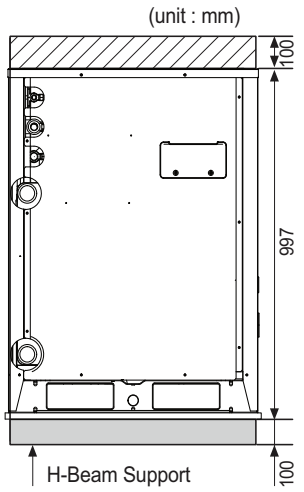
3.1 Individual Installation

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>

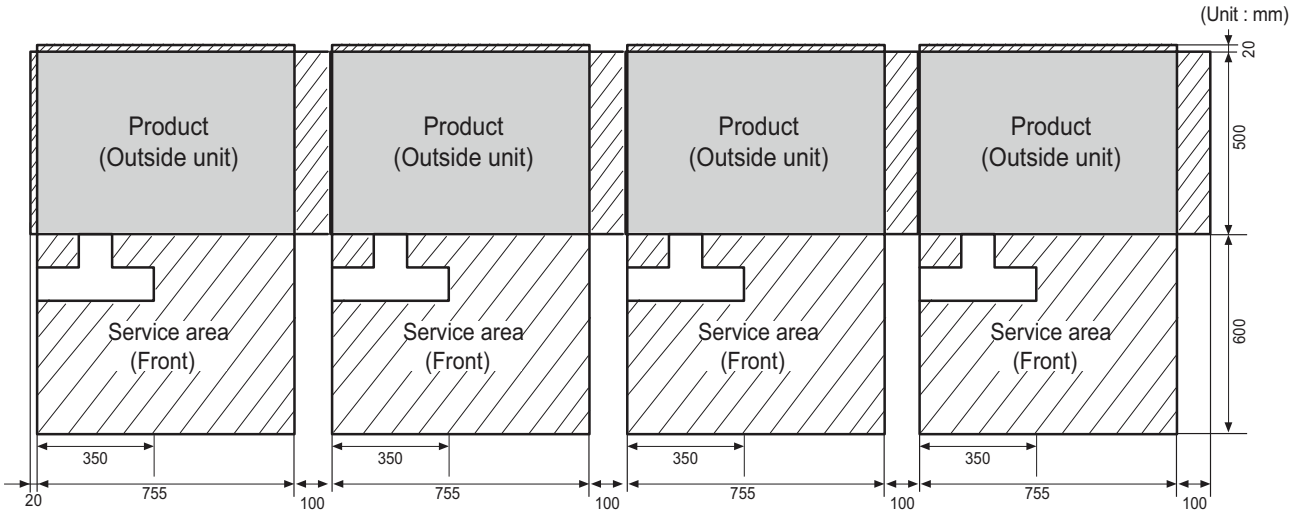


<Front View>

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.

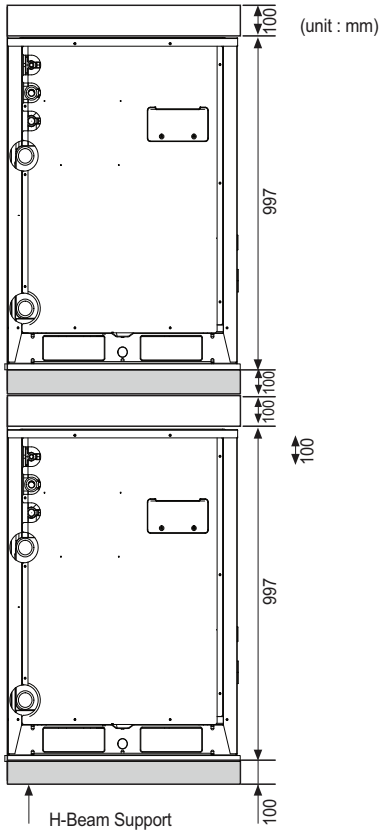
* Maximum number of connectable units could be different in accordance with model line up of target region.

3. Installation Space

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. Water Control

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

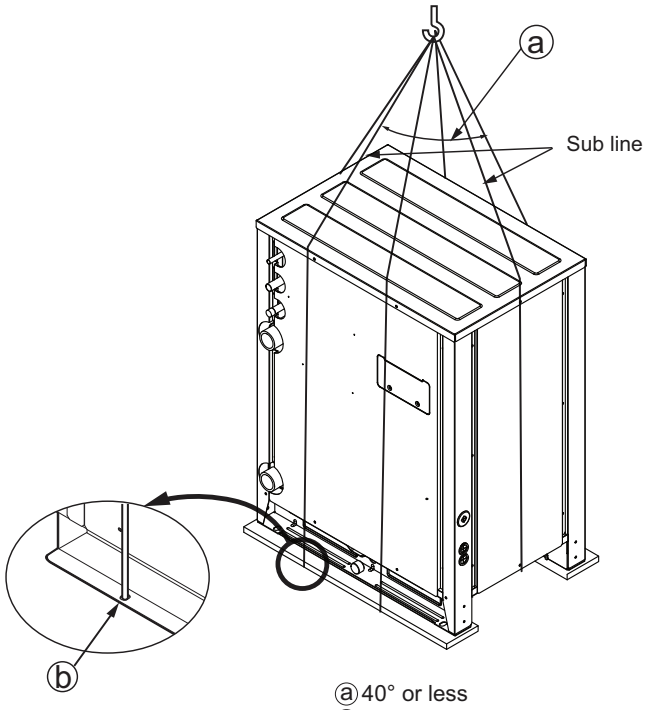
Items	Closed type		Effect	
	Circulating water	Supplemented water	Corrosion	Scale
Basic Item				
pH [25C]	7.0~8.0	7.0~8.0	O	O
Conductivity [25C] (mS/m)	Below 30	Below 30	O	O
Chlorine ions (mg Cl- / ℓ)	Below 50	Below 50	O	-
Sulfate ions (mg SO_4^2 / ℓ)	Below 50	Below 50	O	O
Acid consumption (pH4.8) (mg $CaCO_3$ / 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 Cl / 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

Note

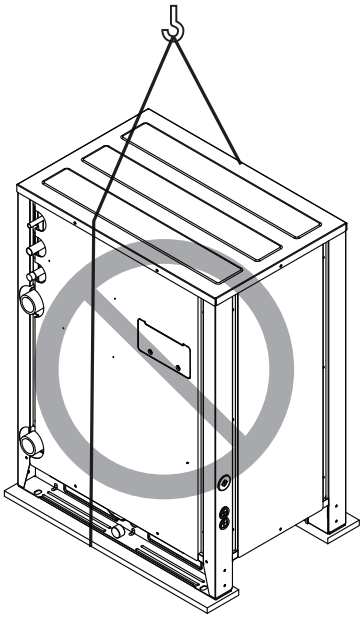
1. The "O" mark for corrosion and scale means that there is possibility of occurrence.
2. When the water temperature is 40°C or above or when uncoated iron is exposed to the water, it can result in corrosion. Therefore adding anti-corrosion agent or removing the air can be very effective.
3. In case 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



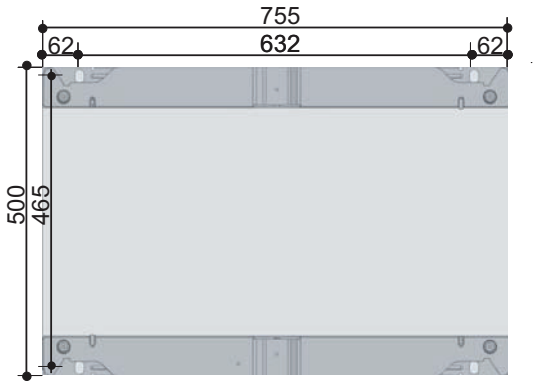
WARNING

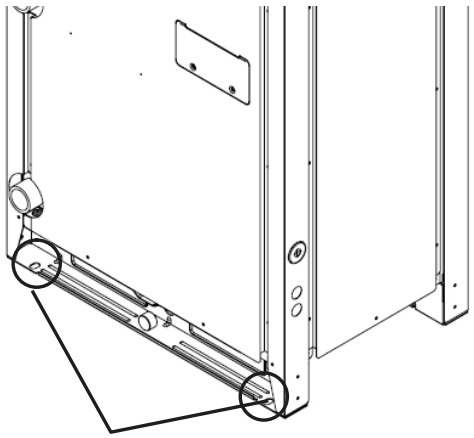
CAUTION

- 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. Installation

6.1 The location of the Anchor bolts





⚠ WARNING

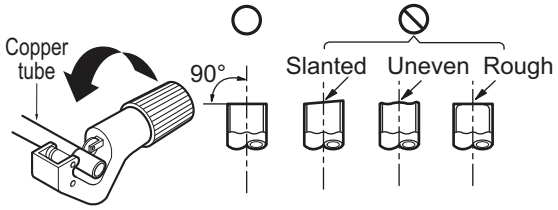
- **Be sure to install unit in a place strong enough to withstand its weight.**
  Any lack of strength may cause unit to fall down, resulting in a personal injury.
- **Have installation work in order to protect against a strong wind and earthquake. Any installation deficiency may cause unit to fall down, 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 Refrigerant piping Installation

Main cause of gas leakage is defect in flaring work. Carry out correct flaring work in the following procedure.

Step 1) Cut the pipes and the cable.

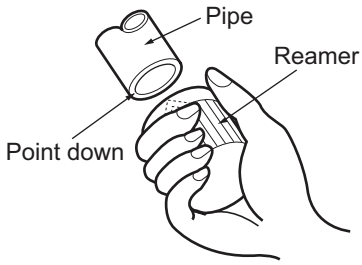
- Use the accessory piping kit or the pipes purchased locally.
- Measure the distance between the indoor and the outside unit.
- Cut the pipes a little longer than measured distance.
- Cut the cable 1.5m longer than the pipe length.



6. Installation

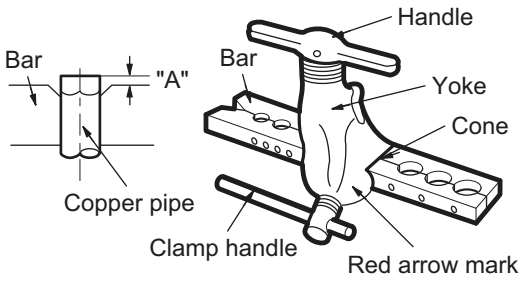
Step 2) Burrs removal

- 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.



Step 3) Flaring work

- Carry out flaring work using flaring tool as shown below.



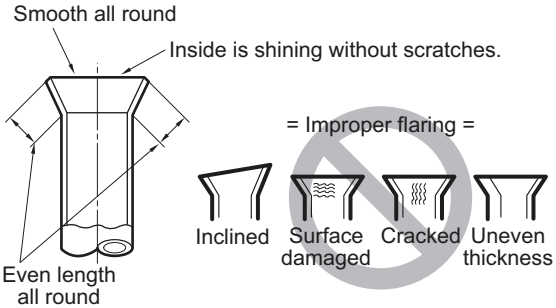
[Unit:mm]

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.

Step 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



6. Installation

Step 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 (mm)	Tightening Torque	
	(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

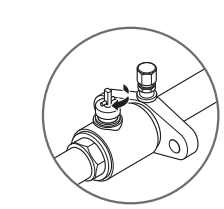
⚠ CAUTION

When using two wrenches, tighten at regulated torque

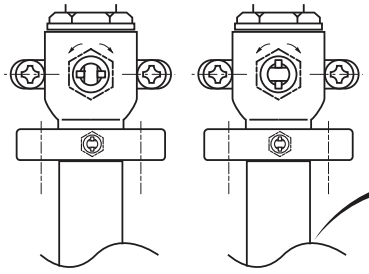
* For the pipe connection, use the method of connecting the end of the pipe to the branch pipe. The refrigerant pipe coming out from the outside unit is branched out at the end and is individually connected to the indoor unit.

⚠ WARNING

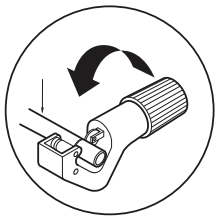
- Always be careful not to leak the refrigerant during the welding.
- When the refrigerant is combusted, it generates a toxic poisonous gas.
- Do not execute the welding work in a closed location.
- Always do a leakage test after welding the pipes.



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

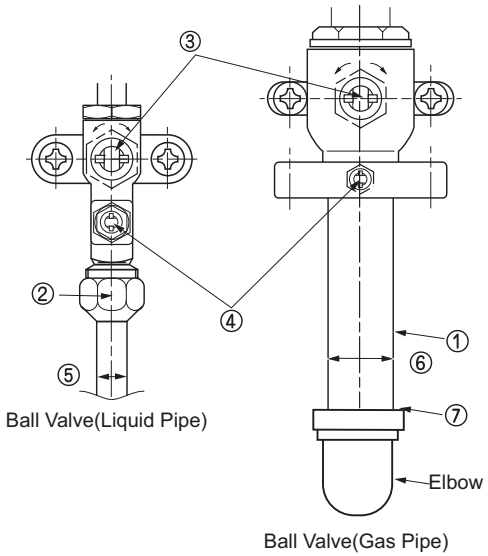
After completing work, securely tighten both service ports and caps so that gas does not leak.

* 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)

6. Installation

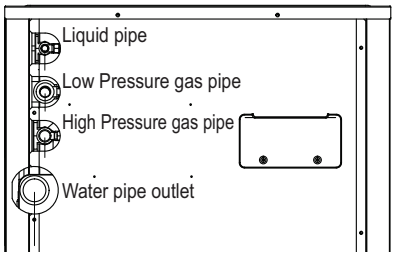
4) Service port: Make the refrigerant pipe vacuum and charge it using the service port. Always reattach caps after completing work (tightening torque of service cap: 14Nm (140kg-cm) or more).
5) Liquid pipe
6) Gas pipe
7) Elbow joint (field supply)



CAUTION

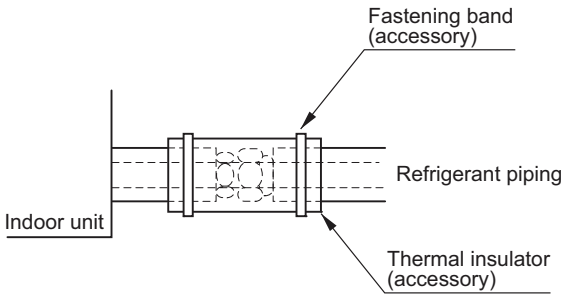
After installing the pipe, block the pipe escape of front and side panel. (It can cause mouse or other animals to enter and cause damage to the wire.)

* Remove the front panel before pipe connection
* Must check the pipe (liquid pipe, gas pipe, high/low pressure common pipe) before pipe connection



Step 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.



6. Installation

Step 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

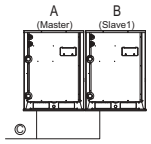
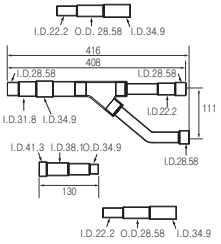
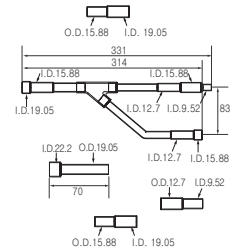
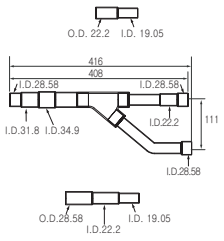
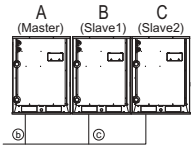
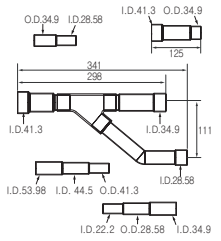
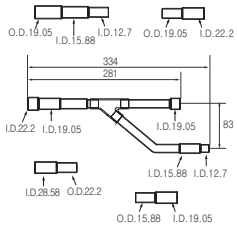
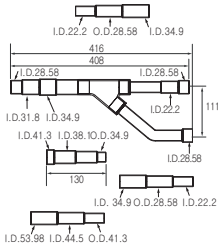
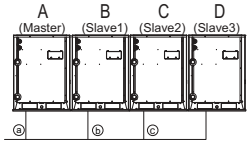
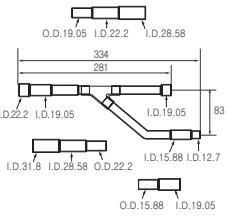
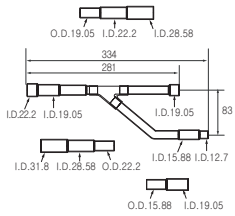
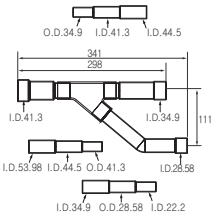
- Hall way etc. (Dormitory, school, office-tel)

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.

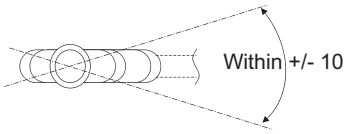
6. Installation

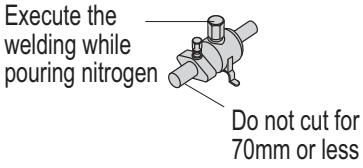
Step 8) Connecting branch pipe between outside units

Outside unit		Model	Low Pressure Gas pipe [unit:mm]	Liquid pipe [unit:mm]	High Pressure Gas pipe [unit:mm]
2 unit		ⓒ ARCNB21			
3 unit		ⓑ ARCNB31			
4 unit		ⓐ ARCNB41			

* For more information including installation method of connection pipe, refer accessory installation manual.

* Install the branch pipe between outside units so that the outlet pipe is parallel to the surface.





⚠ 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.

6. Installation

Step 9) Installation Procedure

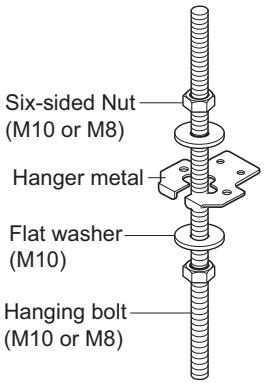
1.Using an insert-hole-in- anchor, hang the hanging bolt.

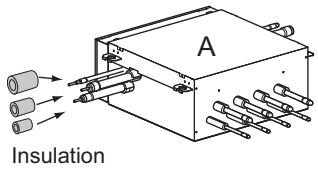
2.Install a hexagon nut and a flat washer (locally-procured)to the hanging bolt as shown in the figure in the bottom, and fit the main unit to hang on the hanger metal.

3.After checking with a level that the unit is level, tighten the hexagon nut.
* The tilt of the unit should be within ±5° in front/back and left/right.

4.This unit should be installed suspended from ceiling and side A should always be facing up.

5.Insulate not used pipes completely as shown in the figure.



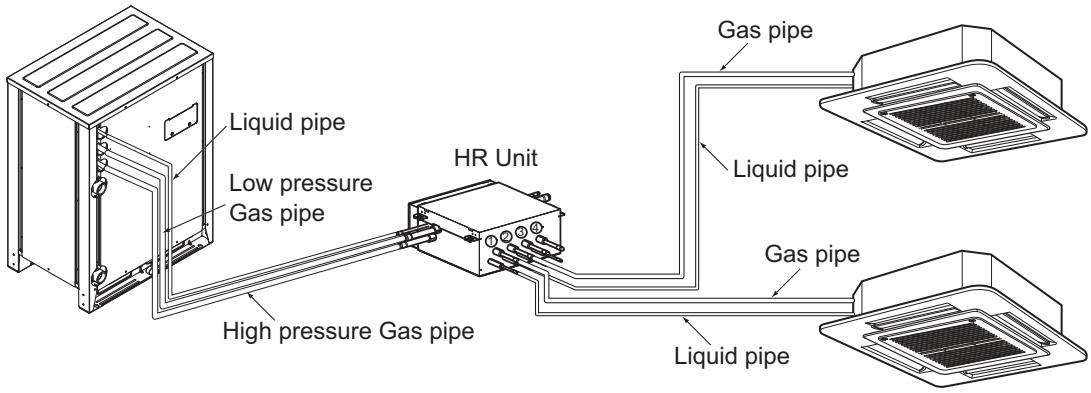


Step 10) Installation of Outside Unit, HR Unit, Indoor Unit Refrigerant Pipe

3 pipes are connected to the HR unit from the outside unit, classified into liquid pipe, low pressure gas pipe andhigh pressure gas pipe depending on status of refrigerant passing through the pipe.

You must connect 3 pipes from outside unit to HR unit.

For connection between indoor unit and HR unit, you must connect both liquid pipe and gas pipe from the HRunit to the indoor unit. In this case, connect them to the indoor unit starting from No.1 connection port of the HRunit (the port number is displayed on ports of the HR unit). Use auxiliary flare as annexed parts in connection tothe indoor unit.



⚠ CAUTION

Whenever connecting the indoor units with the HR unit, install the indoor units in numerical order from No.1.

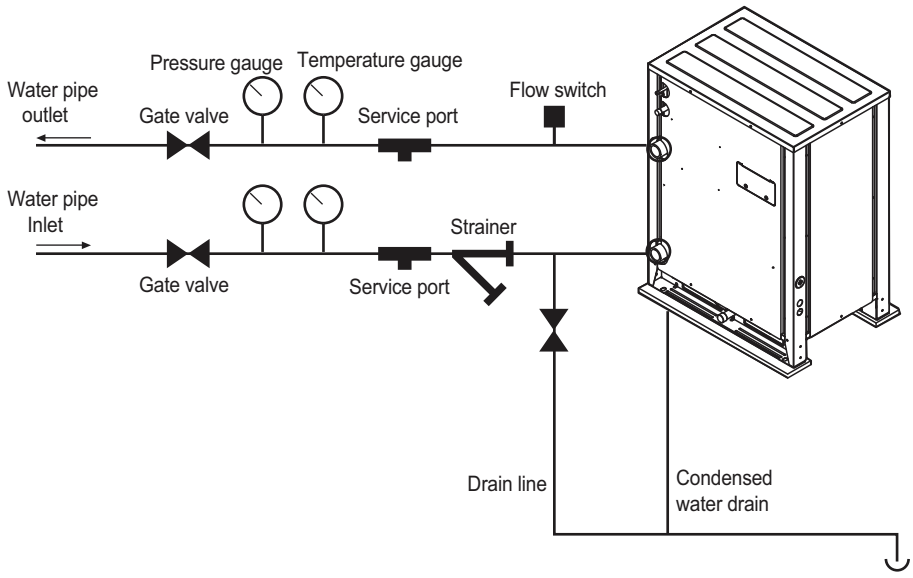
Ex) In case of installing 3 indoor units : No. 1, 2, 3 (O), No. 1, 2, 4 (X), No.1, 3, 4 (X), No.2, 3, 4 (X).

6. Installation

6.3 Water piping Installation

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.

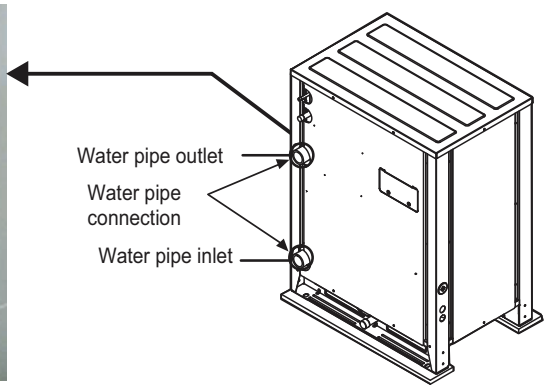
(It can cause problems to the product.)

6. Installation

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	11/4	14.5	1,450	6.5	650	87.5	8.75	265	26.5
38.1	11/2	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

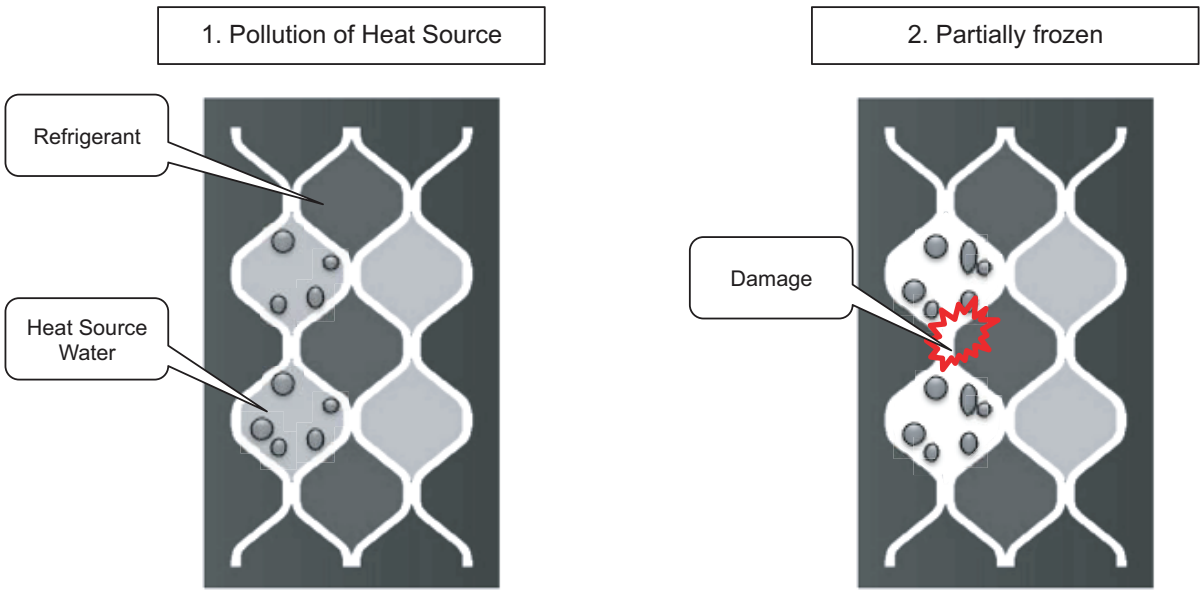


7. Device protection unit

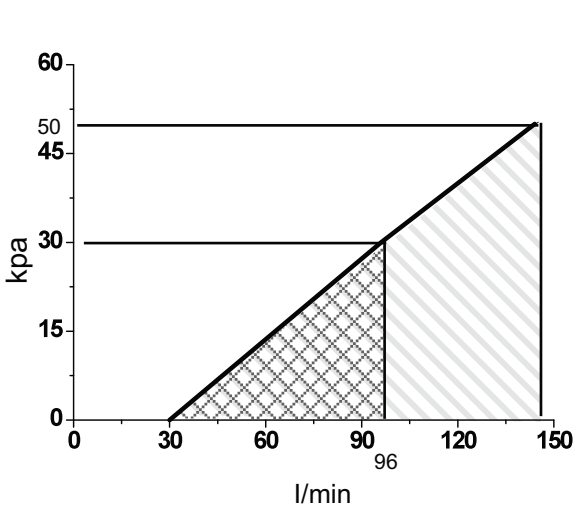
7.1 Strainer on water pipe

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.

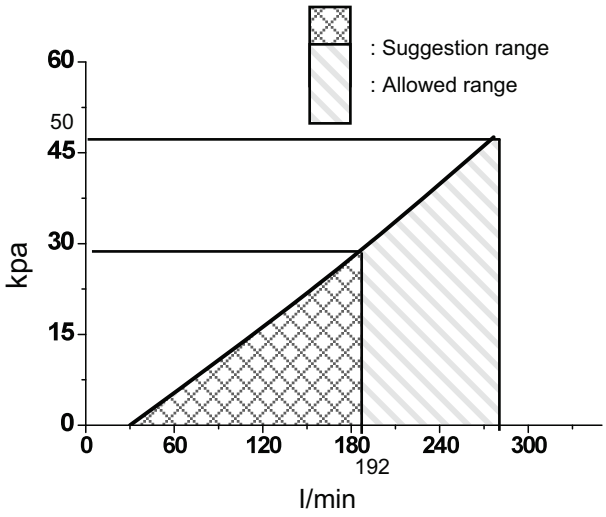
1. Heat water supply within the plate type heat exchanger is composed of multiple small paths.
2. If you do not use a strainer with 50 mesh or more, alien particles can partially block the water paths.
3. When running the heater, the plate type heat exchanger plays the role of the evaporator, and at 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.



◆ Head loss of strainer on water pipe



8/10/14 HP



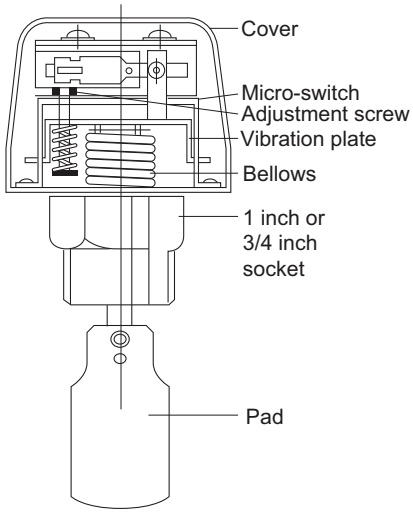
20 HP

* 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. Device protection unit

7.2 Flow switch work

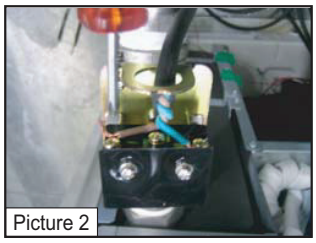
- The flow switch must be installed at the horizontal water pipe of the outside unit outlet connection.
  (Flow switch acts as the 1st protection device when the heat water is not supplied. If a certain level of water does not flow after installing the flow switch, an error sign of CH24 error will be 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.)

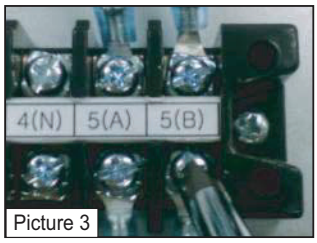


7.3 Installation of flow switch

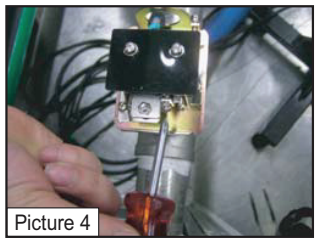
- The flow switch must be installed at the horizontal pipe of the heat water supply outlet of the product and check the direction of the heat water flow before the installation. (Picture 1)
- When connecting the flow switch to the product, remove the jump wire to connect to the communication terminal (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

7. Device protection unit

⚠ CAUTION

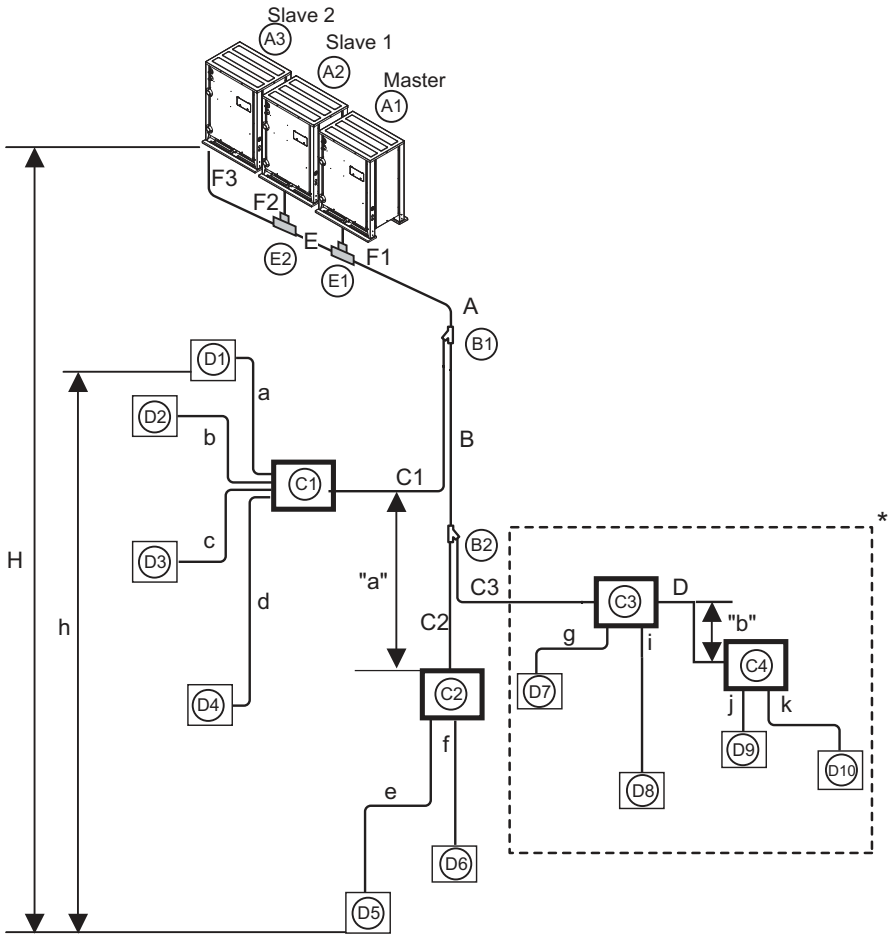
- If the set value does not satisfy the minimum flow rate or if the set value is changed by the user arbitrarily, it can result in product performance deterioration or serious product problem.
- If the product is operated with the heat water supply not flowing smoothly, it can damage the heat exchanger 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

8. Refrigerant piping system

8.1 Pipe Connection Method between outside unit / indoor unit

Example : 10 Indoor Units connected

ⓐ Outside Unit
ⓑ Y branch
ⓒ HR Unit
ⓓ Indoor Units
ⓔ Connection branch pipe between Outdide units



- Case 1 ("a") : Maximum height is 30m if you install with Y branch.
- Case 2 ("b") : Maximum height is 5m in serial connection of HR units.

⚠ WARNING

- **Branch pipe can not be used after header**
- **It is recommended that difference in length of the pipes connected to the indoor units (a~f) is minimized. The large difference in pipe lengths, the more different performance between indoor units.**
- *** : Serial connection of HR units : Capacity sum of indoor units ≤ 230 kBtu/hr**

  If the large capacity indoor units (Over 5 HP; using overØ15.88/Ø9.52) are installed, it should be used the Valve Group setting.
- **Piping length from outside branch to outside unit ≤ 10m, equivalent length : max 13m**

8. Refrigerant piping system

■ Total pipe length = A+B+C1+C2+C3+D+a+b+c+d+e+f+g+i+j+k ≤ 300m [500m*]

Max.pipe length	L	Longest pipe length (A+B+C3+D+K) : between Outside Unit and the farthest indoor unit	150m (200m**)
		Longest pipe Equivalent length* : between Outside Unit and the farthest indoor unit	175m (225m**)
	l	First outside branch ~ the farthest outside unit	40m (90m**)
Max.difference in height	H	Between Outside Unit and Indoor Unit	50 m
	h	Between Indoor Unit and Indoor Unit	40 m
	E1 ~ A3	First outside branch ~ the farthest outside unit	10 m
	g, l, j, k	Piping length from each indoor unit to the closest HR Unit	40 m
	a	Between HR Unit and HR Unit	30 m
	b	Between HR Unit and HR Unit within same branch	5 m

Note

- * : Equivalent piping length for Y branch and other pipes can be calculated with following table.

mm (inch)	**Ø6.35**	**Ø9.52**	**Ø12.7**	**Ø15.88**	**Ø19.05**	**Ø22.2**	**Ø25.4**	**Ø28.58**	**Ø31.8**	**Ø34.9**	**Ø38.1**	**Ø41.3**	**Ø44.5**	**Ø53.98**
	(1/4)	**(3/8)**	**(1/2)**	**(5/8)**	**(3/4)**	**(7/8)**	**(1)**	**(1-1/8)**	**(1-1/4)**	**(1-3/8)**	**(1-1/2)**	**(1-5/8)**	**(1-3/4)**	**(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)													
HR unit (m)	2.5(98.4)													

- ** : Conditional application
- it is recommended that indoor unit is installed at lower position than the header.

⚠ WARNING

- **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 maximum 90m (Only liquid pipe is increased)**
  - **The level difference (Outside unit and Indoor unit) is 50m or more (Only liquid pipe is increased)**

■ Refrigerant pipe diameter from outside unit to first branch. (A)

Upward Outsideunit total capacity	**Standard Pipe Diameter**			**When equivalent pipe length is 90m(295ft) or more from ODU to farthest IDU**		
HP	**Liquid pipe[mm(inch)]**	**Low Pressure Gaspipe [mm(inch)]**	**High Pressure Gaspipe [mm(inch)]**	**Liquid pipe[mm(inch)]**	**Low Pressure Gaspipe [mm(inch)]**	**High Pressure Gaspipe [mm(inch)]**
8	Ø 9.52 (3/8)	Ø 22.2 (7/8)	Ø 19.05 (3/4)	Ø 12.7 (1/2)	Not increased	Not increased
10	Ø 9.52 (3/8)	Ø 22.2 (7/8)	Ø 19.05 (3/4)	Ø 12.7 (1/2)	Not increased	Not increased
14	Ø 12.7 (1/2)	Ø 25.4(1)	Ø 19.05 (3/4)	Ø 15.88 (5/8)	Not increased	Not increased
16 ~ 20	Ø 12.7 (1/2)	Ø 28.58 (1-1/8)	Ø 19.05 (3/4)	Ø 15.88 (5/8)	Not increased	Not increased
22 ~ 34	Ø 19.05 (3/4)	Ø 34.9 (1-3/8)	Ø 28.58 (1-1/8)	Ø 22.2 (7/8)	Not increased	Not increased
40 ~ 60	Ø 19.05 (3/4)	Ø 41.3 (1-5/8)	Ø 34.9 (1-3/8)	Ø 22.2 (7/8)	Not increased	Not increased
62 ~ 64	Ø 22.2 (7/8)	Ø 44.5 (1-3/4)	Ø 41.3 (1-5/8)	Ø 25.4 (1)	Not increased	Not increased
68 ~ 80	Ø 22.2 (7/8)	Ø 53.98 (2-1/8)	Ø 44.5 (1-3/4)	Ø 25.4 (1)	Not increased	Not increased

Note

- If available on site, select pipe size according to upper table. Otherwise it doesn't need to be increased.

8. Refrigerant piping system

■ Refrigerant pipe diameter from branch to branch (B,C)

Downward indoorunit total capacity[kW(Btu/h)]	Liquid pipe[mm(inch)]	Gas pipe [mm(inch)]	
		Low pressure	High pressure
≤ 5.6(19,100)	Ø6.35(1/4)	Ø12.7(1/2)	Ø9.52(3/8)
< 16.0 (54,600)	Ø9.52(3/8)	Ø15.88(5/8)	Ø12.7(1/2)
< 22.4 (76,400)	Ø9.52(3/8)	Ø19.05(3/4)	Ø15.88(5/8)
< 33.6(114,700)	Ø9.52(3/8)	Ø22.2(7/8)	Ø19.05(3/4)
< 50.4(172,000)	Ø12.7(1/2)	Ø28.58(1-1/8)	Ø22.2(7/8)
< 67.2(229,300)	Ø15.88(5/8)	Ø28.58(1-1/8)	Ø22.2(7/8)
< 72.8(248,400)	Ø15.88(5/8)	Ø34.9(1-3/8)	Ø28.58(1-1/8)
< 100.8(344,000)	Ø19.05(3/4)	Ø34.9(1-3/8)	Ø28.58(1-1/8)
< 173.6(592,500)	Ø19.05(3/4)	Ø41.3(1-5/8)	Ø34.9(1-3/8)
< 184.8(630,700)	Ø22.2(7/8)	Ø44.5(1-3/4)	Ø41.3(1-5/8)
≤ 291.2(993,600)	Ø22.2(7/8)	Ø53.98(2-1/8)	Ø44.5(1-3/4)

■ (**) Conditional Application

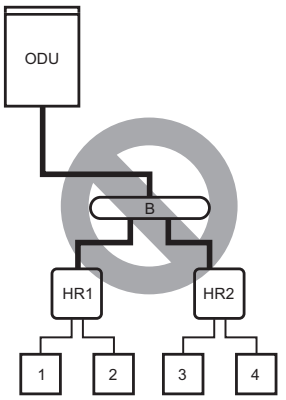
To satisfy below condition to make 40 m ~ 90 m of pipe length after first branch.

1. **Pipe diameter Size Up**
   Pipe diameter(only Liquid/low pressure gas pipes) between 1st branch and last branch(HR unit) is increased by one step. If the pipe diameter of B, C3, D is same as A, it is not necessary.
   : Ø 6.35 → Ø 9.52 → Ø 12.7 → Ø 15.88 → Ø 19.05 → Ø 22.2 → Ø 25.4*
   : Ø 28.58 → Ø 31.8*
   : Ø 34.9 → Ø 38.1*
   (* : It is not necessary to size up.)
   If available on site, select pipe size according to upper table. Otherwise it doesn't need to be increased.
2. **Correction for calculating the total pipe length**
   When calculating total pipe length, pipe B, C3, D length should be calculated twice.
   : A + B x 2 + C3 x 2 + C1 + C2 + a + b + c + d + e + f + g + i + j + k ≤ 500 m
3. **Indoor unit pipe length**
   Length of pipe from each indoor unit to the closest HR unit (a, b, c, d, e, f, g, i, j, k) ≤ 40 m.
4. **Difference in length between outside unit and the farthest or closest indoor unit**
   [Length of pipe from outside unit to the farthest indoor unit D10 (B + C3 + D + k)]
   - [Length of pipe from outside unit to the closest indoor unit D1 (C1 + a)] ≤ 40 m

8. Refrigerant piping system

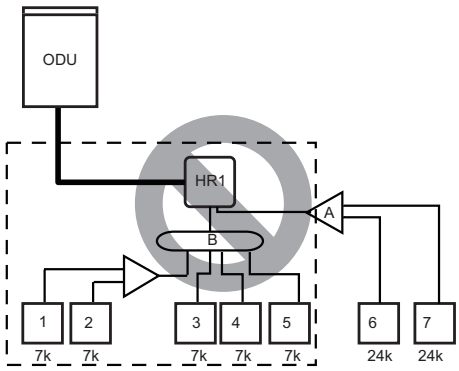
■ Y branch, Header and HR unit connection pattern

Pattern 1



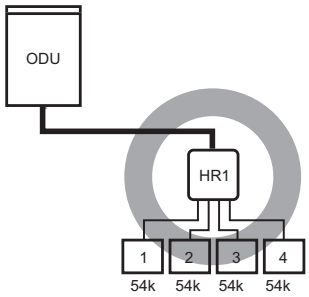
• Impossible installation : Head branch pipe → HR unit

Pattern 2



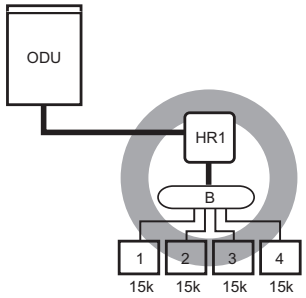
• Impossible installation : HR unit → Head branch pipe → Y and Head branch pipe.

Pattern 3



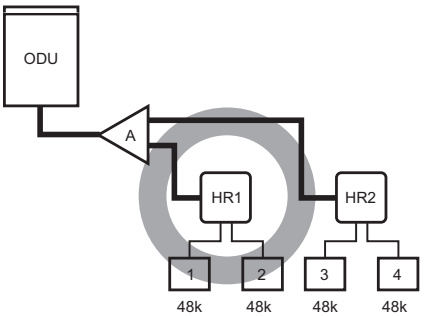
• The maximum total capacity of indoor units is 69.5kW(230 kBtu/h).

Pattern 4

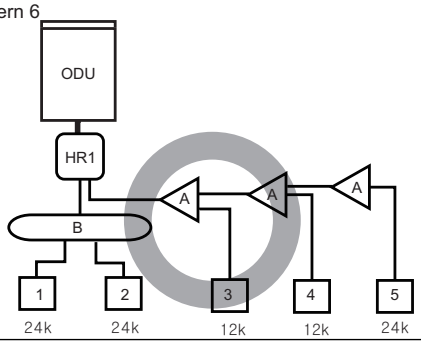


• The maximum total capacity of a branch pipe of HR unit is 17.5kW(60 kBtu/h).

Pattern 5



Pattern 6

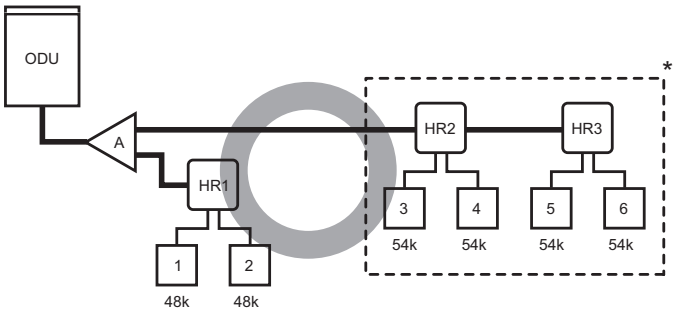


Note

- If the large capacity(76kBtu/h and 96kBtu/h unit) indoor units are installed, two neighboring outlets of one HR unit are linked by Y branch pipe and connected to one indoor unit.

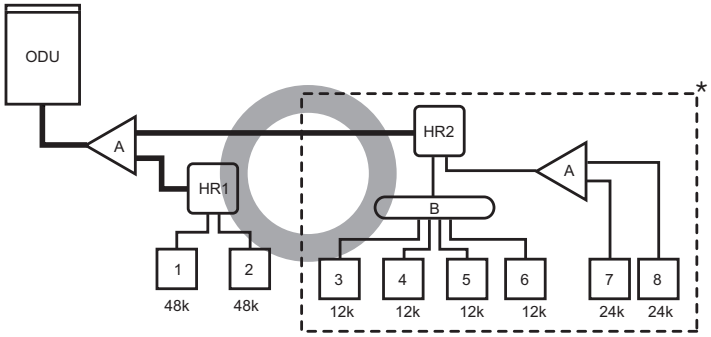
8. Refrigerant piping system

Pattern 7

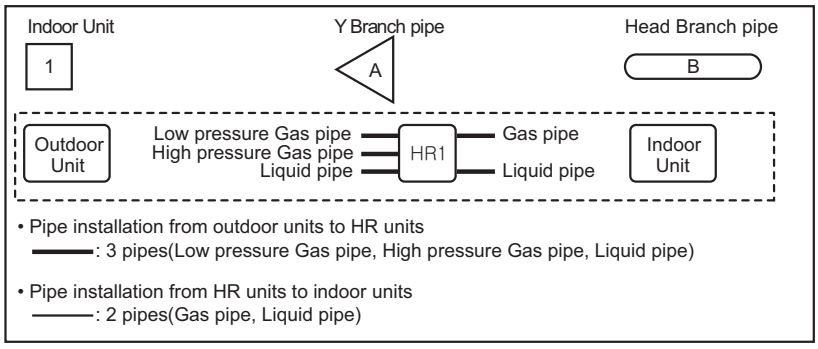


* : Serial connection of HR units : Capacity sum of indoor units ≤ 230 kBtu/h

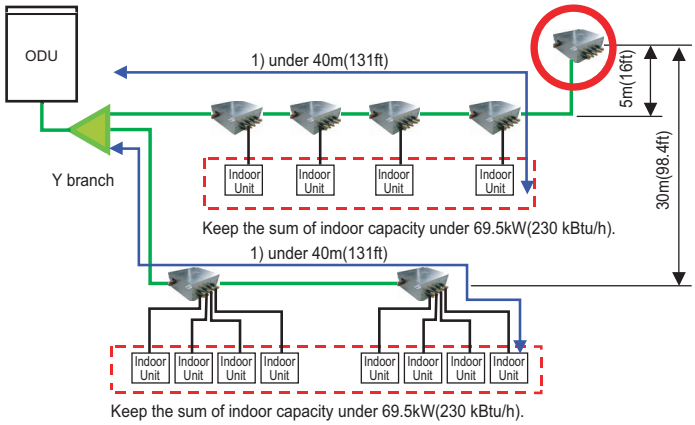
Pattern 8



* : Maximum indoor units per a branch are 8 indoor units



- Keep the 40m(131ft) distance from the first branch to the farthest indoor.



Note

- If the large capacity(76kBtu/h and 96kBtu/h grade) indoor units are installed, two neighboring outlets of one HR unit are linked by Y branch pipe and connected to one indoor unit.

8. Refrigerant piping system

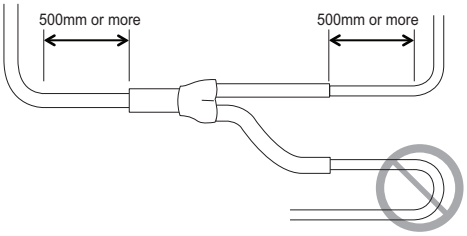
8.2 Indoor Unit Connection

◆ Indoor Unit connecting pipe from branch (a ~ k)

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)

⚠ CAUTION

- Bending radius should be at least twice the diameter of the pipe.
- Bend pipe after 500mm or more from branch(or header).
  Do not bend U type.
  It may affect performance or result in noise.
  If U type bending is required, the R should be more than 200mm.

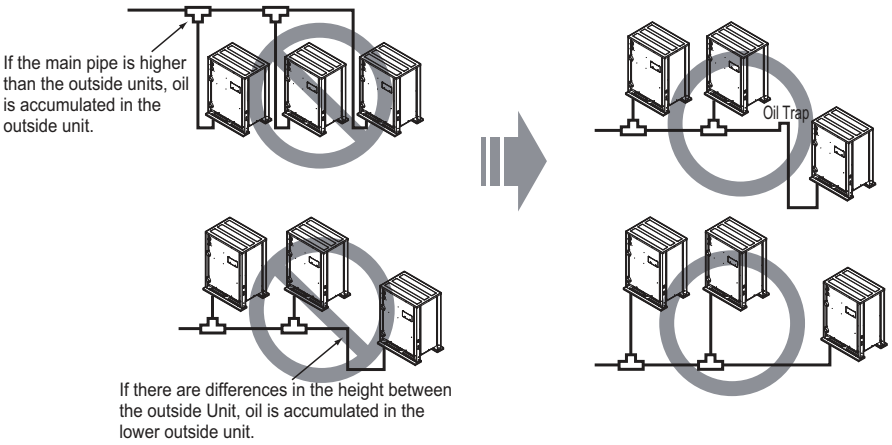


8. Refrigerant piping system

8.3 Oil trap application method between outside units

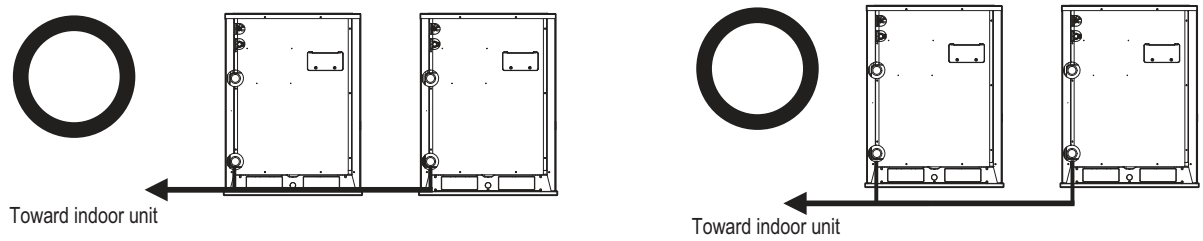
- Because of the possibility of oil being accumulated in the outside unit that has stopped, when there is a height difference between outside unit pipes or if the pipe distance between the outside units is over 2m, you must always apply an oil trap. (But, the oil trap between outside units is limited 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.

8.3.1 Examples of Wrong Pipe Connections

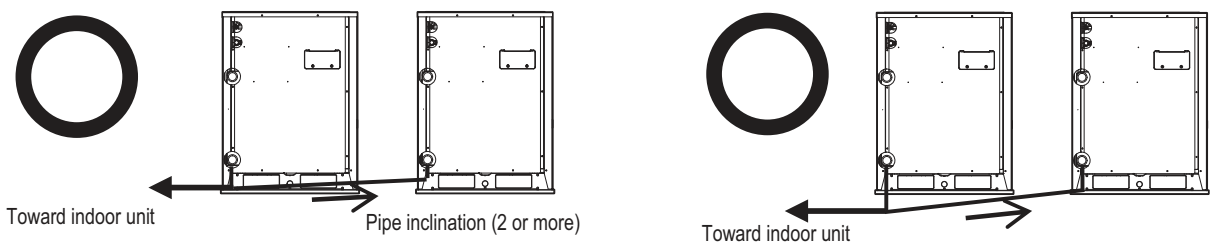


- The pipes between the outside units must maintain horizontal levelness or give an inclination to prevent a back flow toward the slave outside unit. Otherwise, the unit may not operate properly.

(Example 1)

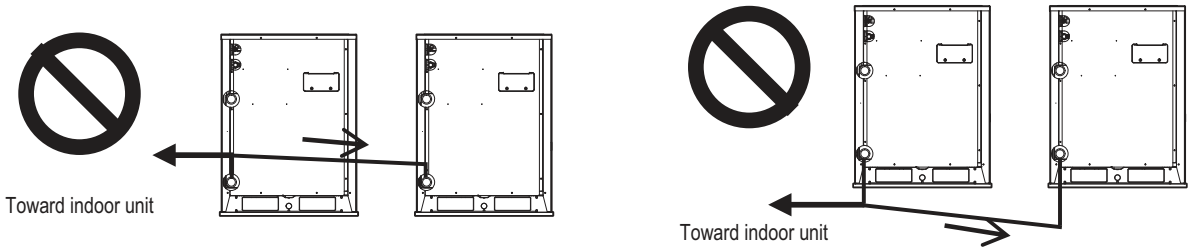


(Example 2)



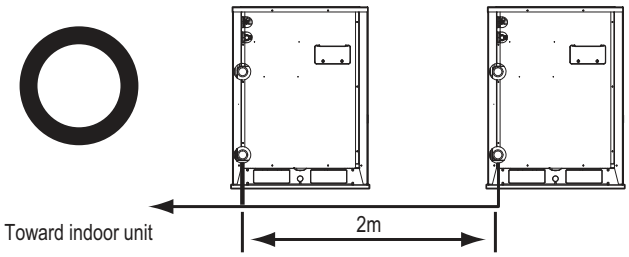
8. Refrigerant piping system

(Example 3)

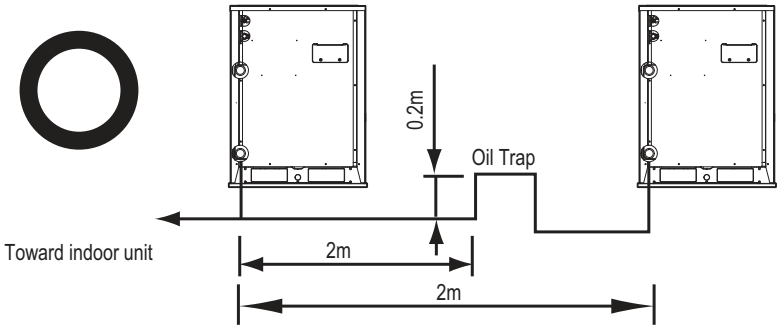


- Apply Oil Trap as shown below when the length of the pipe between the outside units is more than 2m. Otherwise, the unit may not operate properly.

(Example 1)

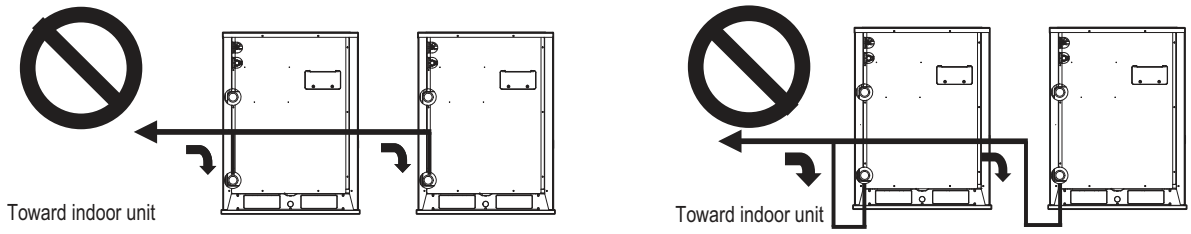


(Example 2)



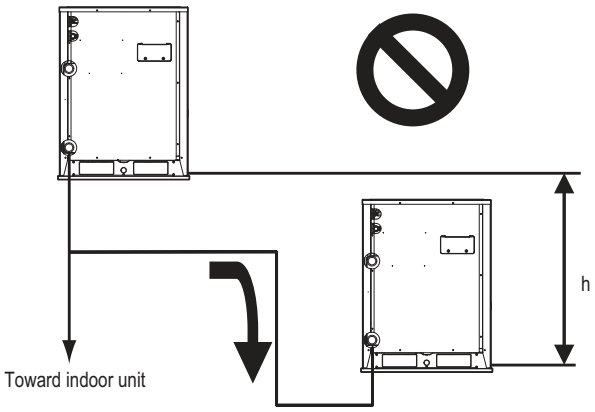
- Install Oil trap if the ODU is at lower level than main piping.
- When connecting the pipes between the outside units, the accumulation of oil in the slave outside unit should be avoided. Otherwise, the unit may not operate properly.

(Example 1)

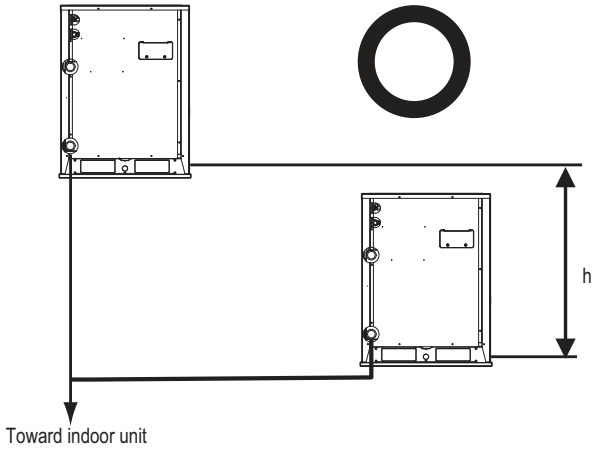


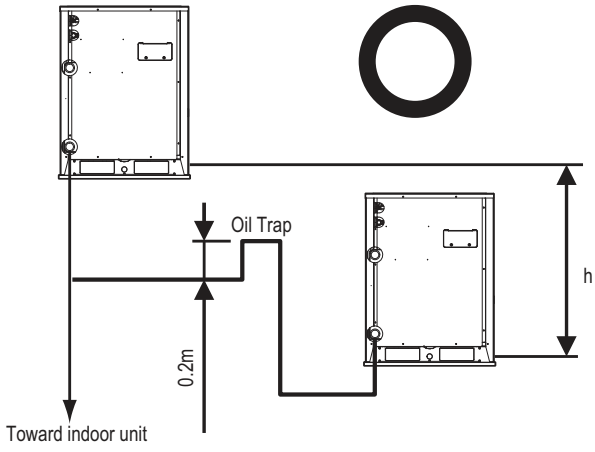
8. Refrigerant piping system

(Example 2)



(Example 3)





8. Refrigerant piping system

8.4 The amount of Refrigerant

The calculation of the additional charge should take into account the length of pipe and CF(correctionFactor) 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)
	+	Number of installed HR units(2,3,4port)	×	0.500(kg)
	+	Number of installed HR units(6,8port)	×	1.000(kg)
	+	CF value of indoor unit		

Note

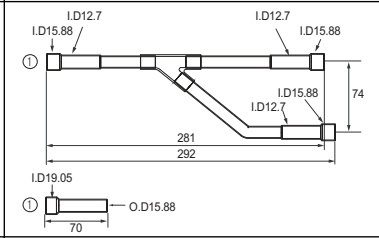
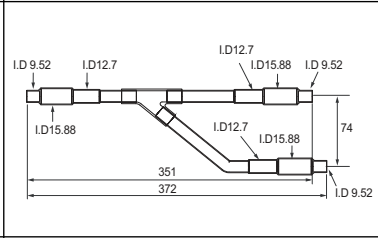
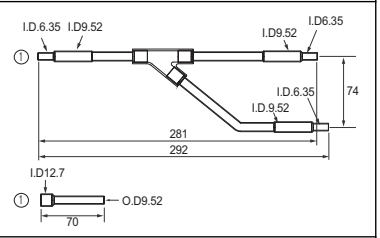
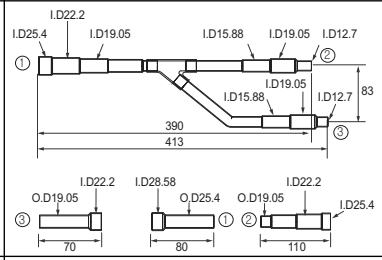
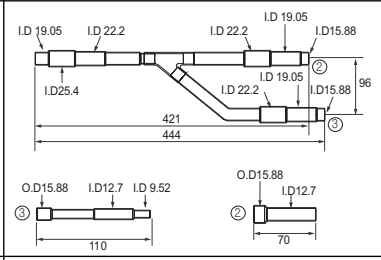
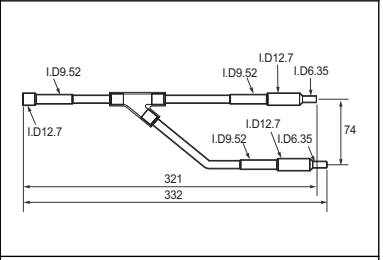
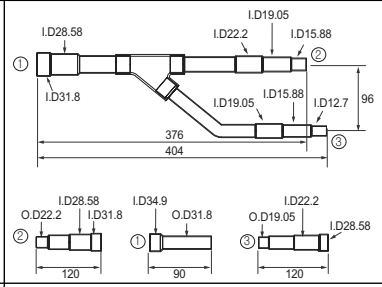
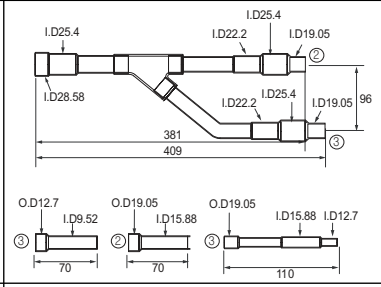
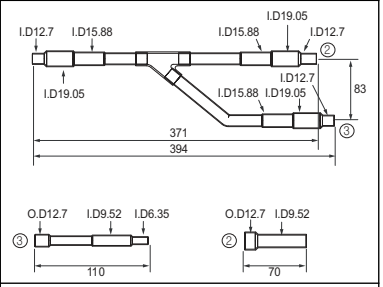
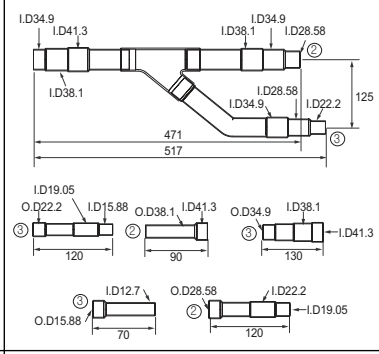
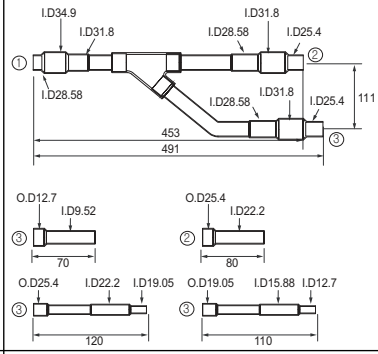
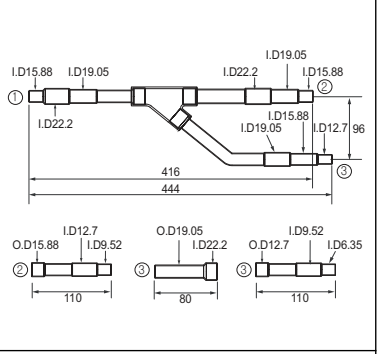
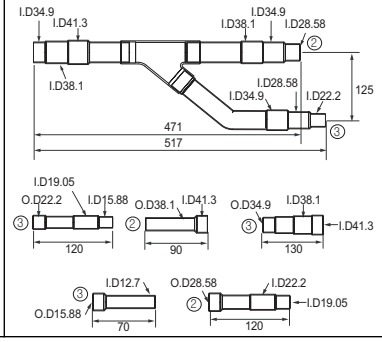
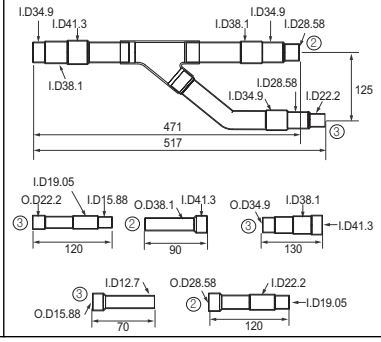
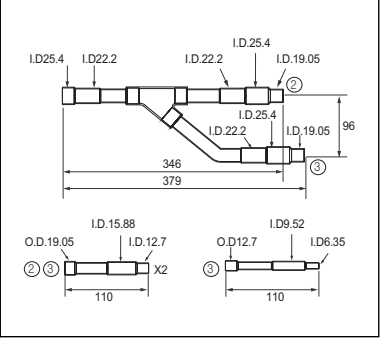
1. Please refer to the indoor unit's PDB or the outside unit's installation manual for the additional refrigerant table of indoor units.
2. Please refer to the below table for the CF value of outside unit

Region	CF	Voltage	Model Name
Central &SouthAmerica	-1.1 kg (-2.42 lb)	220V	ARWN080BAS4, ARWN100BAS4, ARWN140BAS4
		380V	ARWN080LAS4, ARWN100LAS4, ARWN140LAS4
		460V	ARWN080DAS4, ARWN100DAS4, ARWN140DAS4
	2.3 kg (5.06 lb)	220V	-
		380V	ARWN200LAS4
		460V	ARWN200DAS4
Global	-1.1 kg (-2.42 lb)	380V	ARWN080LAS4, ARWN100LAS4, ARWN140LAS4
	2.3 kg (5.06 lb)		ARWN200LAS4

8. Refrigerant piping system

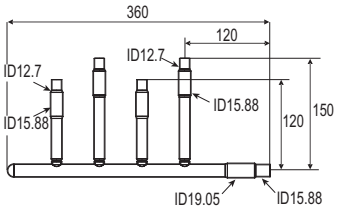
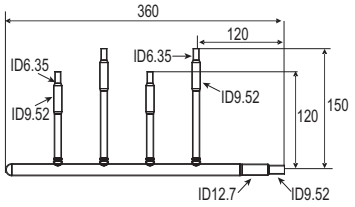
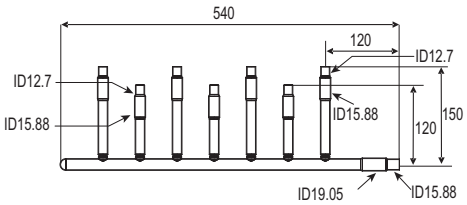
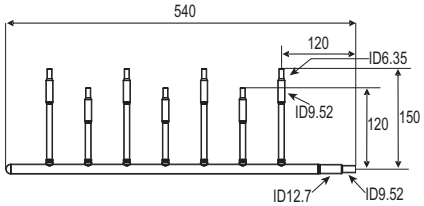
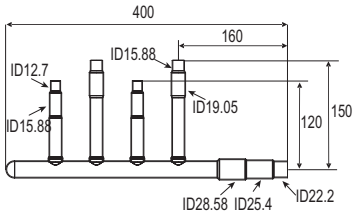
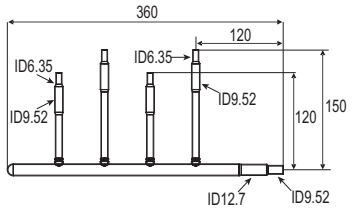
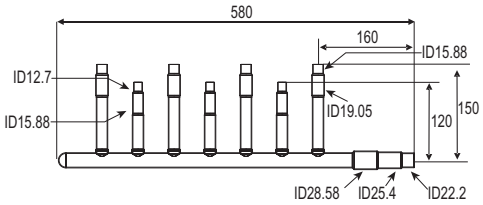
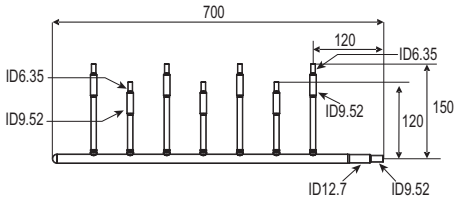
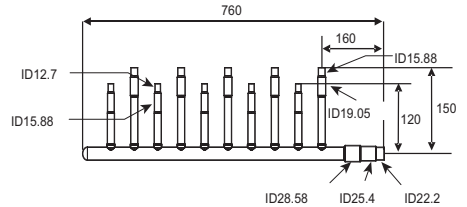
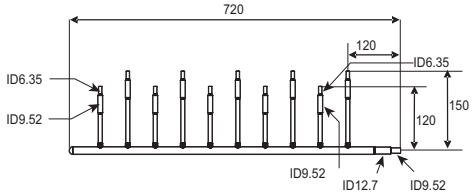
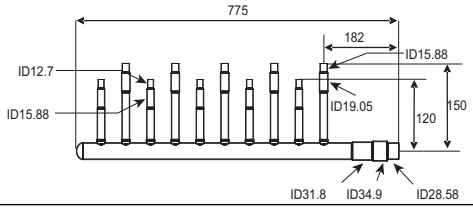
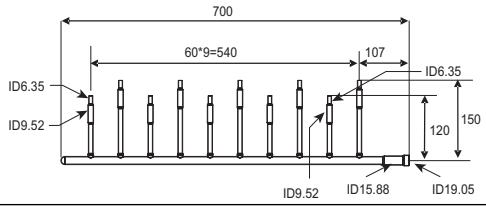
8.5 Selection of Y Branch, Header and Reducer

8.5.1 Y Branch

Models	Low Pressure Gas pipe [unit:mm]	High Pressure Gas pipe [unit:mm]	Liquid pipe [unit:mm]
ARBLB01621			
ARBLB03321			
ARBLB07121			
ARBLB14521			
ARBLB23220			

8. Refrigerant piping system

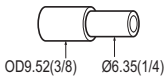
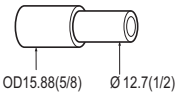
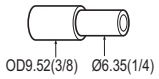
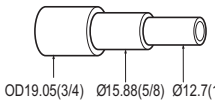
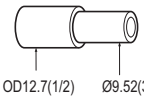
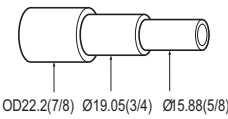
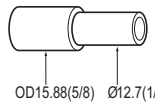
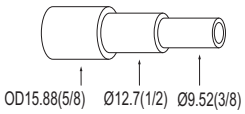
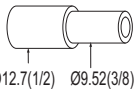
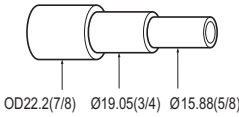
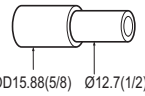
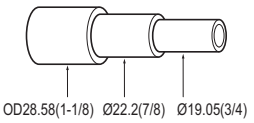
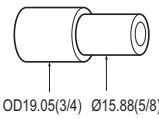
8.5.2 Header

Models	Gas pipe [unit:mm]	Liquid pipe [unit:mm]
4 branch ARBL054		
7 branch ARBL057		
4 branch ARBL104		
7 branch ARBL107		
10 branch ARBL1010		
10 branch ARBL2010		

8. Refrigerant piping system

8.5.3 Reducer

◆ Reducers for indoor unit and HR unit

Models		Liquid pipe [unit:mm]	Gas pipe [unit:mm]	
			High pressure	Low pressure
Indoor unit reducer			-	
HR unit reducer	PRHR023		 	 
	PRHR033 PRHR043 PRHR063 PRHR083	 	 	 

9. Electrical Wiring

9.1 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

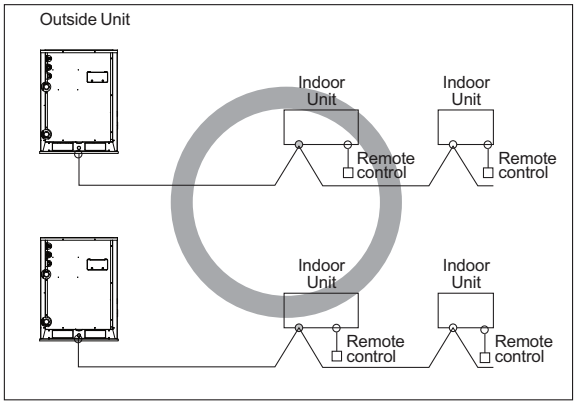
Be sure to correct the outside unit to earth. Do not connect earth line to any gas pipe, water pipe, lightening rod or telephone earth line. If earth is incomplete, it may cause an electric shock.

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.

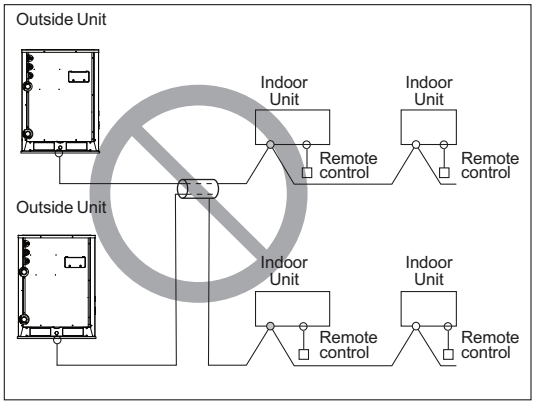
5. Never connect the main power source to terminal block of transmission line. If connected, electrical parts will be burnt out.

6. Use 2-core shield cable for transmission line.(◯ 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.

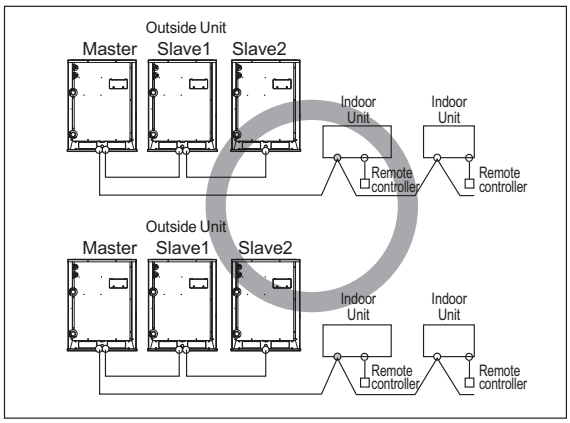


2-core shield cable

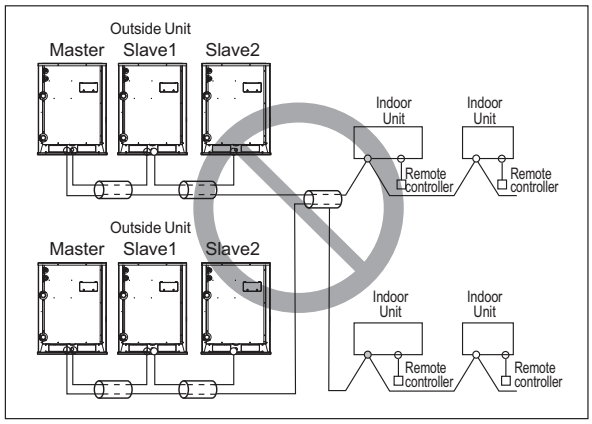


Multi-core cable

9. Electrical Wiring



2-Core Shield Cable



Multi-Core Cable

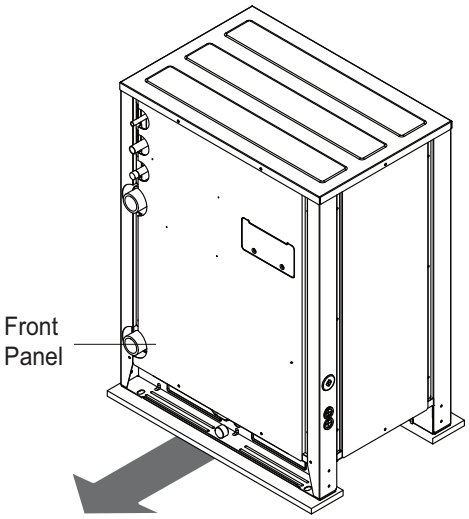
⚠ WARNING

- **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.**

9. Electrical Wiring

9.2 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.



9. Electrical Wiring

9.3 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.

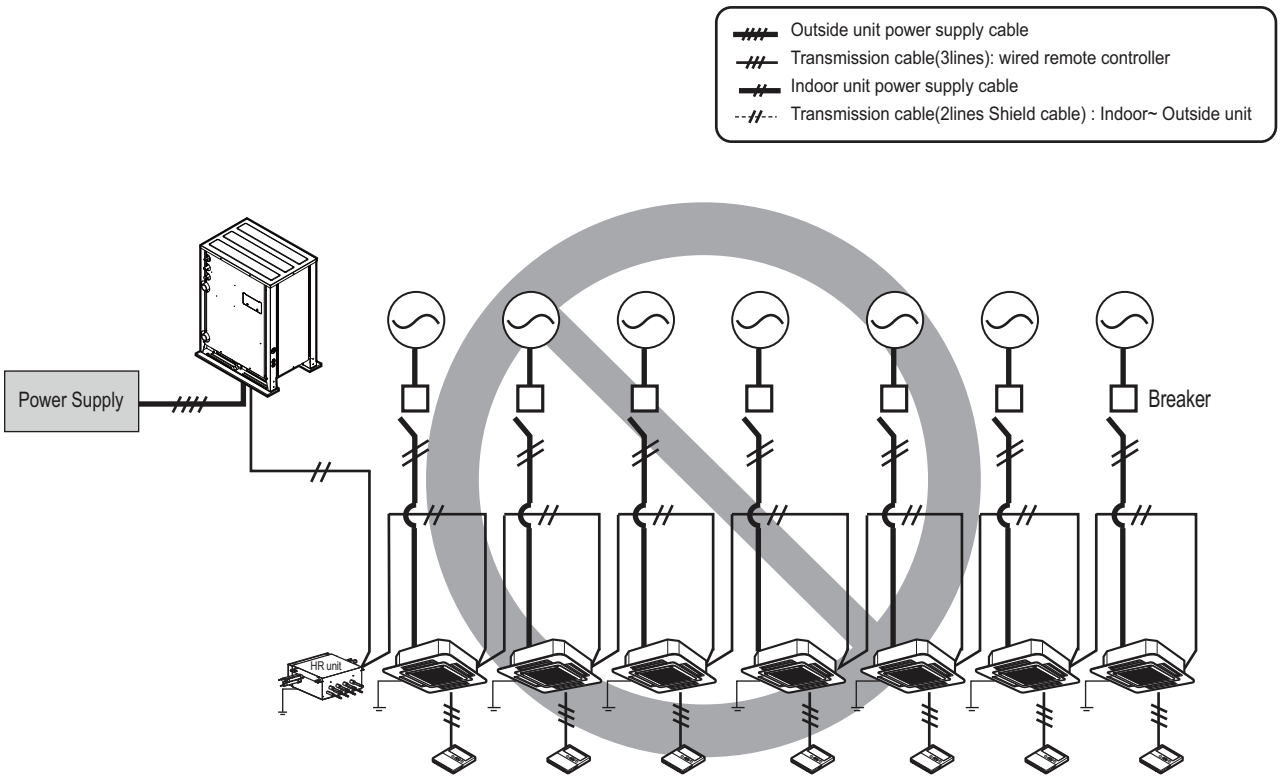
⚠ CAUTION

- 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.

9. Electrical 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.

9. Electrical Wiring

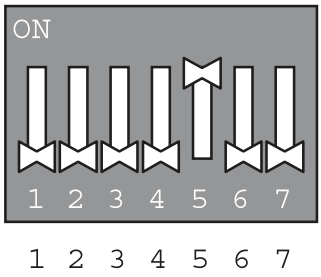
9.4 Dip switch setting

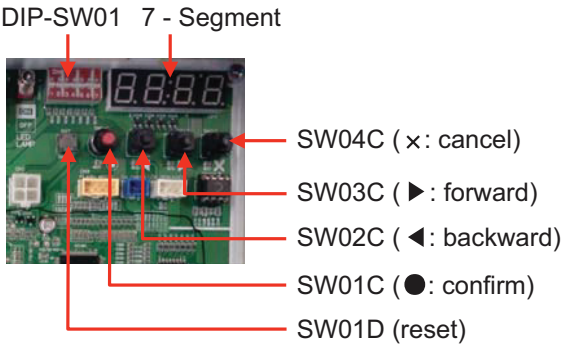
9.4.1 Setting the function

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	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.

9. Electrical Wiring

9.4.2 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) 62HP 4Unit R410A combination (Simultaneous Cooling/Heating type, 380V general type)
20 → 20 → 14 → 8→ 62 → 3 → 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

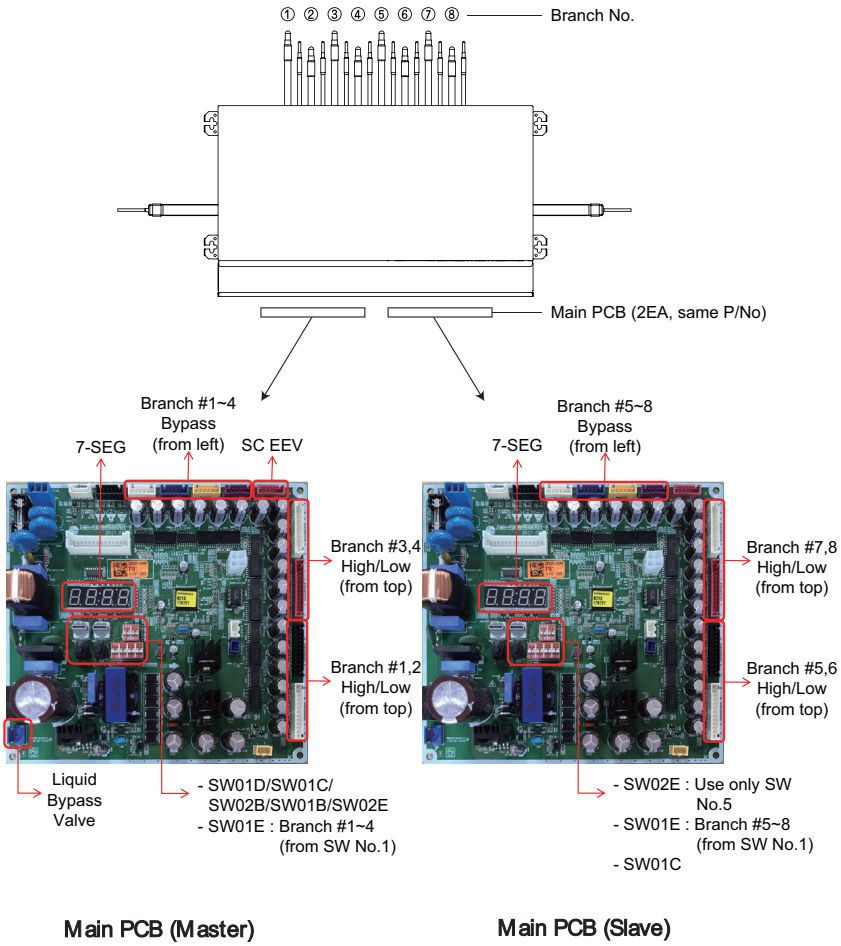
◆ Model capacity

Capacity(kW)	Capacity(HP)	Remark	Refrigerant
23	8	Same for master/slave	R410A
29	10		
41	14		
57	20		

9. Electrical Wiring

9.5 HR Unit PCB (For Heat Recovery System)

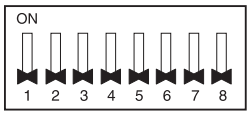
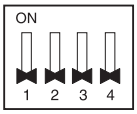
◆ **Switch for setup of HR Unit**



Main PCB (Master) Main PCB (Slave)

9.5.1 Setup the switch of HR Unit

■ **Setup the switch of HR Unit**

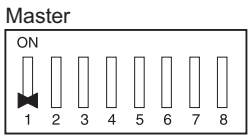
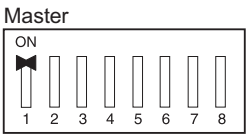
S/W			Function
Dip SW		SW02E (8pin Dip SW)	Selection of the method for pipe detection Selection of Master/Slave Main PCB Setting the Zoning Control Selection of the No. of connected branches
No.2		SW01E (4pin Dip SW)	Selection of the valve to address
No.3		SW01D (Left)	Selection of the Valve Group Control Setting to address HR units
No.4		SW01C (Right)	Manual addressing of zoning indoor units
No.5		SW02B (Left)	Increase in the digit of 10
No.6		SW01B (Right)	Increase in the digit of 1

9. Electrical Wiring

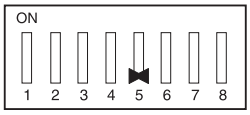
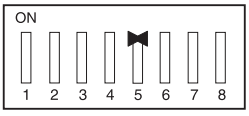
■ Main function of SW02E

ON S/W	Selection
No.1	Method for pipe detection of an HR unit (Auto/Manual)
No.2	No. of connected branches
No.3	
No.4	
No.5	Master/Slave (Main PCB) Setting
No.6	EEPROM factory initialization (4,5,6)
No.7	Use only in factory production (preset to “OFF”), Zoning setting (“ON”)
No.8	Use only in factory production (preset to “OFF”), Zoning setting (“ON”)

1. Selection of the method for pipe detection of an HR unit (Auto/Manual)

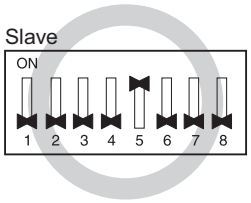
Auto	**Manual**
Switch No.1 Off	Switch No.1 On
	

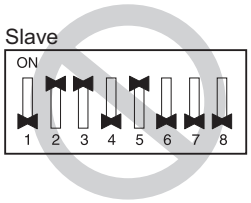
2. Selection of Master/Slave Main PCB

Master	**Slave**
Switch No.5 Off	Switch No.5 On
	

Note

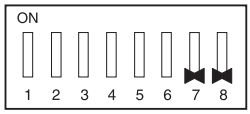
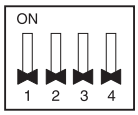
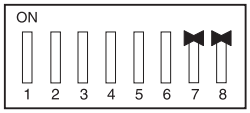
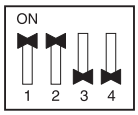
Do not turn on any SW02E on Slave Main PCB except No.5.



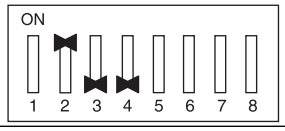
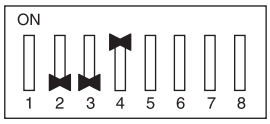
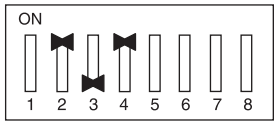
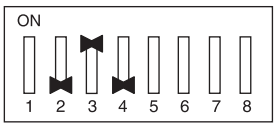
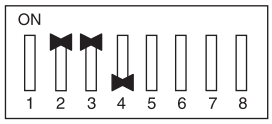
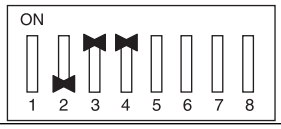
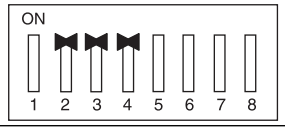


9. Electrical Wiring

3. Setting the zoning control

	SW02E setting	SW01E setting
Normal control	Master 	 SW01E
Zoning control	Master 	Turn the dip switch of the zoning branch on. EX) Branch 1,2 are zoning control. Master  SW01E

4. Selection of the No. of connected branches

1 branch Connected		5 branches Connected	
2 branches Connected		6 branches Connected	
3 branches Connected		7 branches Connected	
4 branches Connected		8 branches Connected	

* Each model is shipped with the switches No.2, 3, 4 pre-adjusted as above in the factory.

⚠ WARNING

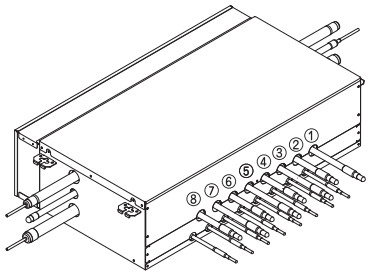
If you want to use a “Model” for “No. of using branch(es)” HR Unit after closing the “Closing pipe No.”, set the dip switch for “No. of using branch(es)” HR Unit.

Ex) If you want to use a PRHR083 for 4 branches HR Unit after closing the 5~8th pipes, set the dip switch for 4 branches HR Unit.

9. Electrical Wiring

■ SW01D (Rotary S/W for addressing HR unit)

Use the Valve Group Control when 2 branches are connected with only 1 indoor unit which has higher capacity than 61 kBtu/h.

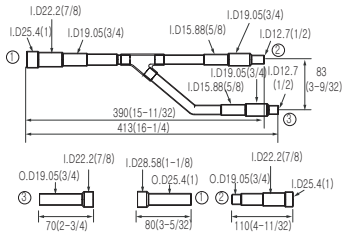
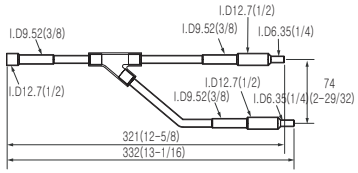


Valve Group	SW01D Setting	Valve Group	SW01D Setting
Not control	0	No. 5,6/7,8 Valve Control	8
No. 1,2 Valve Control	1	No. 1,2/5,6 Valve Control	9
No. 2,3 Valve Control	2	No. 1,2/7,8 Valve Control	A
No. 3,4 Valve Control	3	No. 3,4/5,6 Valve Control	B
No. 5,6 Valve Control	4	No. 3,4/7,8 Valve Control	C
No. 6,7 Valve Control	5	No. 1,2/3,4/5,6 Valve Control	D
No. 7,8 Valve Control	6	No. 1,2/3,4/6,7 Valve Control	E
No. 1,2/3,4 Valve Control	7	No. 1,2/3,4/7,8 Valve Control	F

Note

If the large capacity indoor units are installed, below Y branch pipe should be used.

◆ Y branch pipe

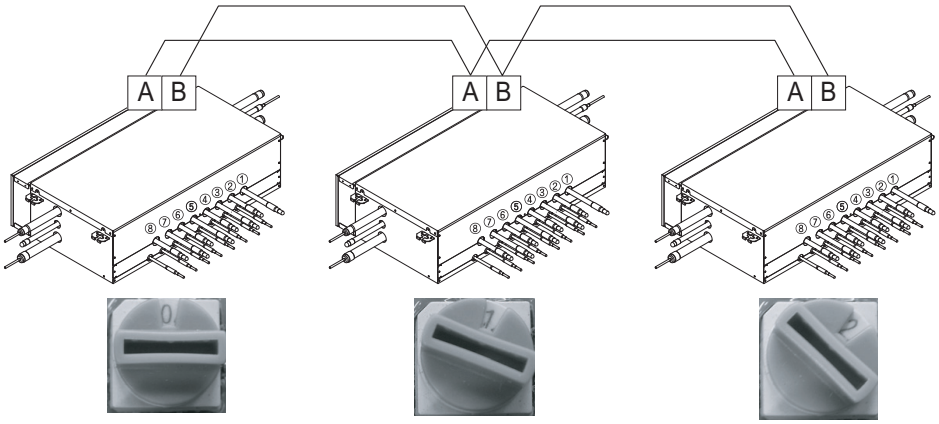
Models	Gas pipe [Umit : mm]	Liquid pipe [Umit : mm]
ARBLN03321		

9. Electrical Wiring

■ SW01C (Rotary S/W for addressing HR unit)

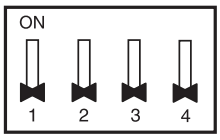
Must be set to '0' when installing only one HR unit.
When installing multiple HR units, address the HR units with sequentially increasing numbers starting from '0'.
Maximum 16 HR Units can be installed.

Example) Installation of 3 HR units



■ SW01B/SW01C/SW01E/SW02B (Dip S/W and push S/W for manual pipe detection)

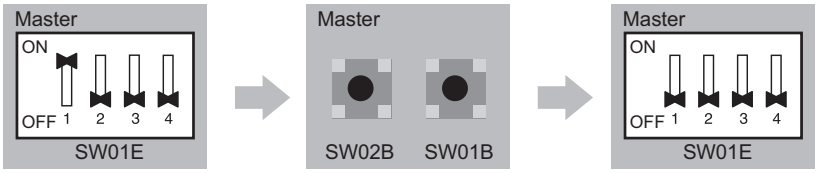
- Set the address of the valve of the HR unit to the central control address of the connected indoor unit.
- SW01E : selection of the valve to address
  SW02B : increase in the digit of 10 of valve address
  SW01B : increase in the last digit of valve address
  SW01C : Manual addressing of zoning indoor units (use for Zoning setting)
- Prerequisite for manual pipe detection : central control address of each indoor unit must be preset differently at its wired remote control.

	S/W No.	Setup
 SW01E	No.1	Manual addressing of valve #1 (Master) / #5 (Slave)
	No.2	Manual addressing of valve #2 (Master) / #6 (Slave)
	No.3	Manual addressing of valve #3 (Master) / #7 (Slave)
	No.4	Manual addressing of valve #4 (Master) / #8 (Slave)
SW02B	SW02B	Increase in the digit of 10 of valve address
SW01B	SW01B	Increase in the last digit of valve address
* Use for Zoning setting SW01C	SW01C	Manual addressing of zoning indoor units

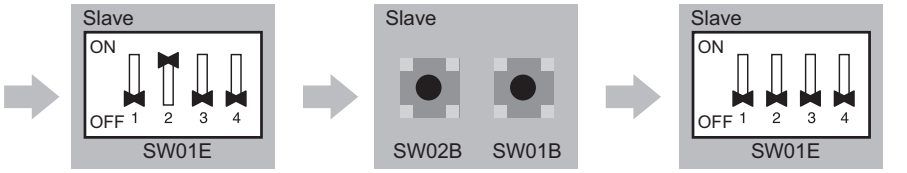
9. Electrical Wiring

1. Normal setting (Non-Zoning setting)

ex) Manual pipe detection of Valve #1, 6.



SW #1 On : Select Valve #1 | Input the central control address of Indoor unit | SW #1 Off : Finish Valve #1



SW #2 On : Select Valve #6 | Input the central control address of Indoor unit | SW #2 Off : Finish Valve #6

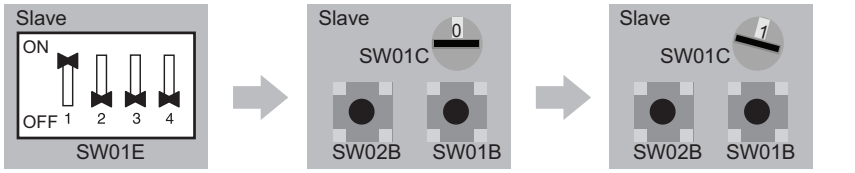
2. Zoning setting

Note

Use the Zoning Control when install two or more indoor units at 1 branch of HR Unit.

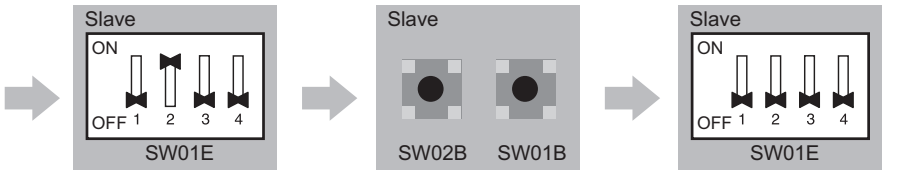
The indoor units controlled by Zoning Control can be selected collectively as the cooling/heating mode.

ex) Manual pipe detection of Valve #5 with three zoning indoor units, #6 without zoning unit.



SW #1 On : Select Valve #5 | After selecting No.1 zoning indoor unit, input the central control address of indoor unit. | After selecting No.2 zoning indoor unit, input the central control address of indoor unit.

After selecting No.3 zoning indoor unit, input the central control address of indoor unit. | Setting SW01C to '0' | SW #1 Off : Finish Valve #5



SW #2 On : Select Valve #6 | Input the central control address of Indoor unit | SW #2 Off : Finish Valve #6

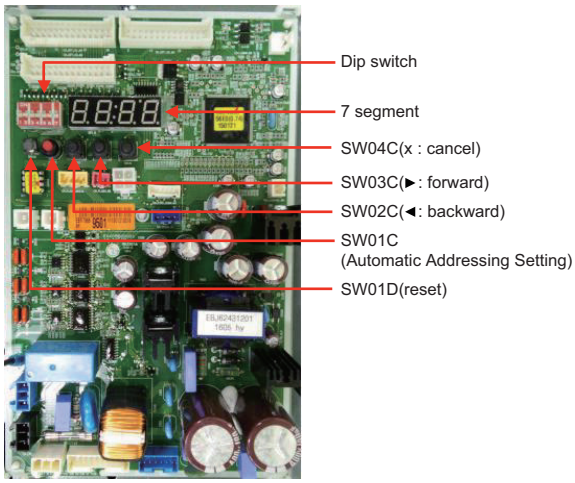
9. Electrical Wiring

9.6 Automatic Addressing

■ The address of indoor units would be set by auto addressing

1. Wait for 3 minutes after supplying power. (Master and Slave outdoor units, indoor units)
2. Press RED button of the outdoor units for 5 seconds. (SW01C)
3. A “88” is indicated on 7-segment LED of the outdoor unit PCB.
4. For completing addressing, 2~7 minutes are required depending on numbers of connected indoor units
5. Numbers of connected indoor units whose addressing is completed are indicated for 30 seconds on 7-segment LED of the outdoor unit PCB
6. After completing addressing, address of each indoor unit is indicated on the wired remote control display window. (CH01, CH02, CH03, ……, CH06 : Indicated as numbers of connected indoor units)

◆ Main PCB

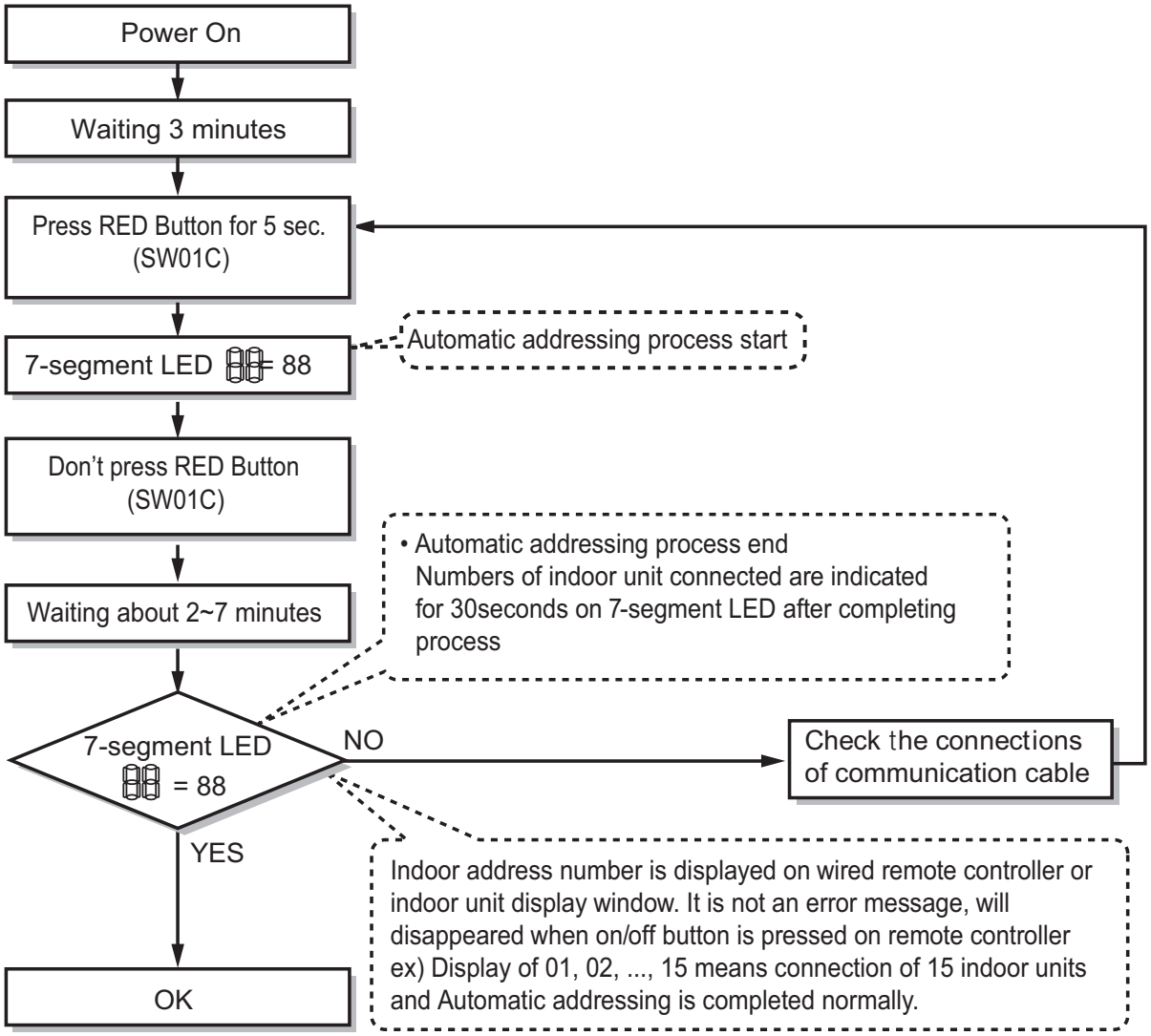


⚠ CAUTION

- **In replacement of the indoor unit PCB, always perform Auto addressing setting again (At that time, please check about using Independent power module to any indoor unit.)**
- **If power supply is not applied to the indoor unit, operation error occur.**
- **Automatic Addressing has to be performed after more than 3 minutes to improve indoor unit communication when initial power is supplied.**
- **Please be sure that all the dip switch (1~7) of master outdoor unit is OFF before Automatic Addressing setting.**

9. Electrical Wiring

◆ The Procedure of Automatic Addressing



9. Electrical Wiring

■ Automatic pipe detection(For Heat Recovery System)

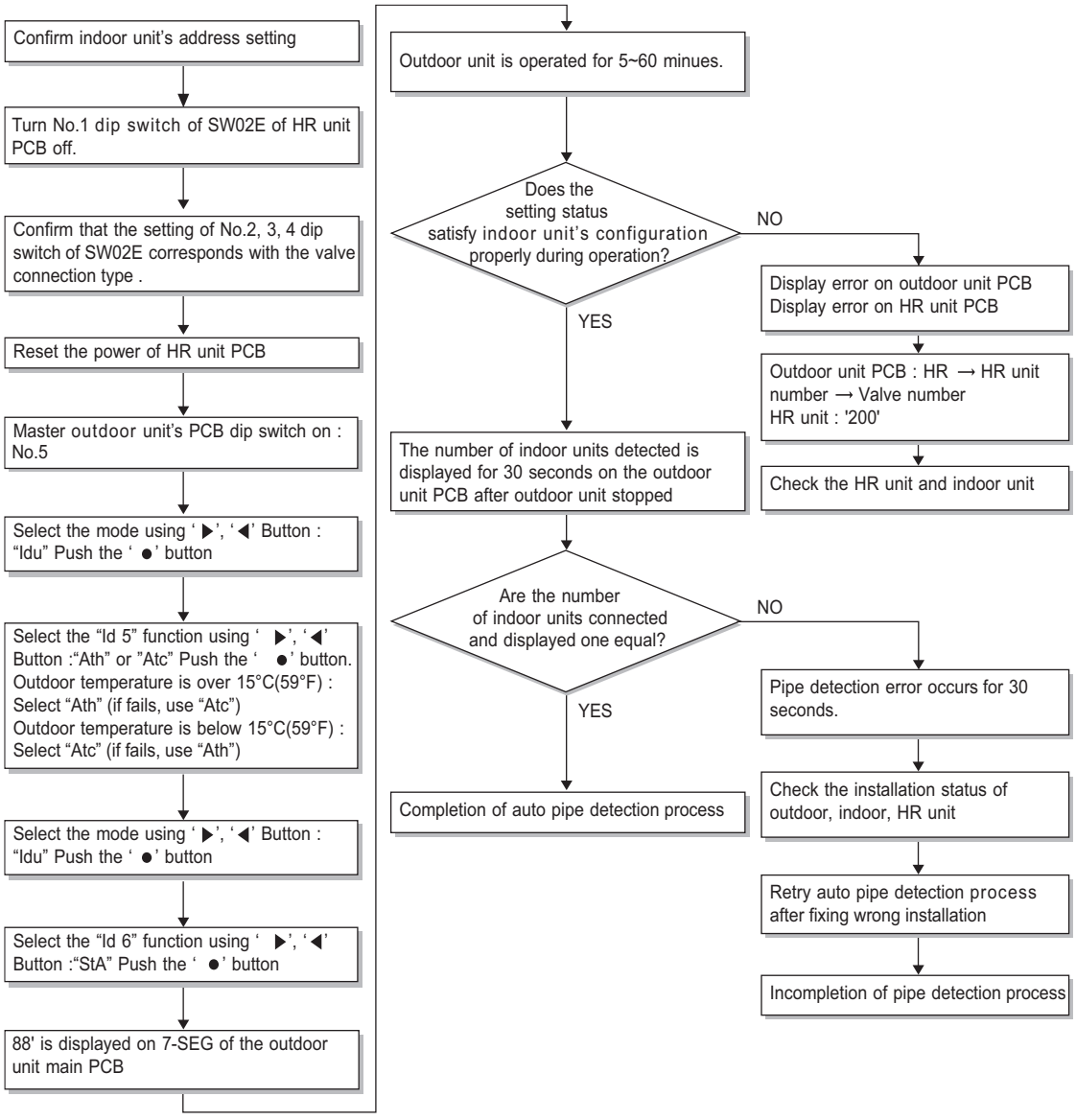
1. Turn No.1 dip switch of SW02E of HR unit PCB off.
2. Confirm that the setting of No.2, 3, 4 of SW02E corresponds with the type of the valve connection.
3. Reset the power of HR unit PCB
4. Master outdoor unit PCB DIP switch on : No.5
5. Select the mode using '▶', '◀' Button : "Idu" Push the '●' button
6. Select the "Id 5" function using '▶', '◀' Button :"Ath" or "Atc" Push the '●' button.
   Outdoor temperature is over 15°C(59°F) : "Ath" Using (If it fail, use "Atc")
   Outdoor temperature is below 15°C(59°F) : "Atc" Using (If it fail, use "Ath")
7. Select the mode using '▶', '◀' Button : "Idu" Push the '●' button
8. Select the "Id 6" function using '▶', '◀' Button :"StA" Push the '●' button
9. System is operated after "88" is displayed on 7-SEG of the outdoor unit main PCB.
10. Pipe detection process is proceeded.
11. 5~30 minutes are required depending on the number of the indoor units and outdoor temperature.
12. The number of the indoor units connected is displayed on 7-SEG of the outdoor unit main PCB for about 1 minute
    - For a HR unit, the number of the indoor units connected to each HR unit is displayed.
    - '200' is displayed in case of auto pipe detecting error, and auto pipe detection process is completed when after "88" is disappeared.

⚠ CAUTION

- **Execute auto addressing and auto pipe detection again whenever the indoor PDB and HR unit PCB is replaced.**
  - **Operation error occurs unless power is supplied to the indoor and HR units.**
- **Error No.200 occurs if the number of connected indoor units and that of scanned indoor units are different.**
- **If auto pipe detection process fails, complete it with manual pipe detection (see Manual pipe detection part).**
- **If auto pipe detection process is completed normally, manual pipe detection is not required.**
- **If you want to do auto pipe detection again after auto pipe detection fails, do after reset of outdoor unit by all means.**
- **During 5 minutes after pipe detection is completed, do not turn off the main unit PCB to save the result of pipe detection automatically.**

9. Electrical Wiring

◆ Flow chart of auto pipe detection process



* It is possible to be generated mode changing noise of heating and cooling which is normal.
There is no mode changing noise at normal operation.

9. Electrical Wiring

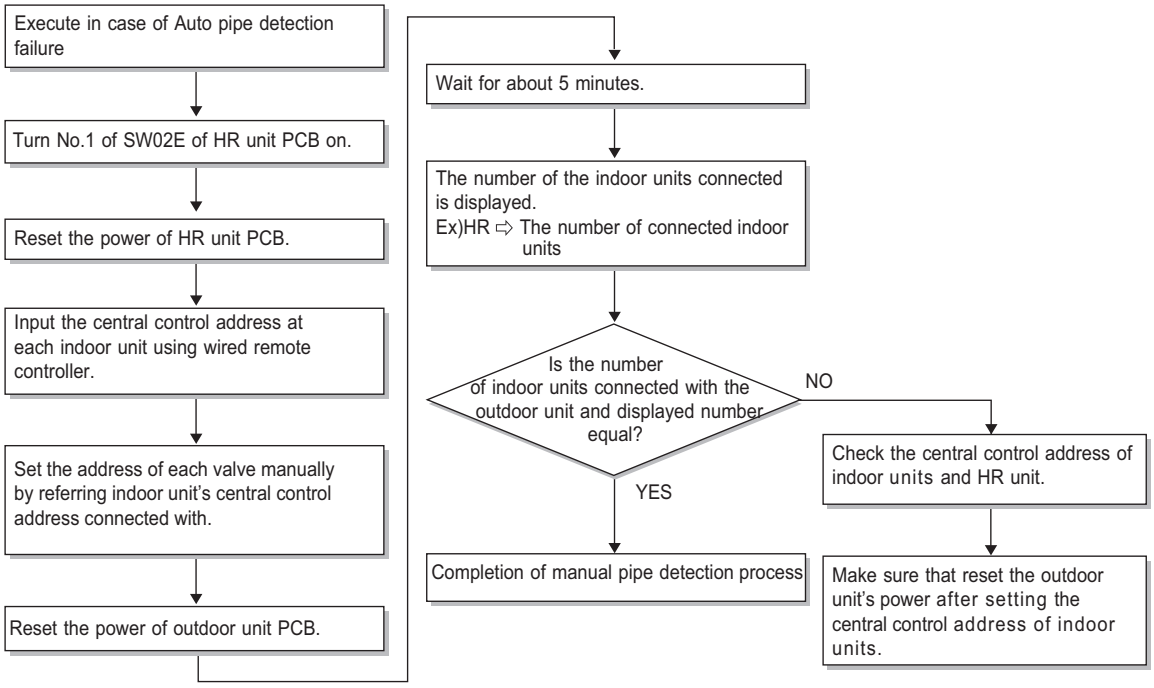
■ Manual pipe detection

1. Enter the central control address into each indoor unit using its wired remote controller.
2. Turn No.1 dip switch of SW02E of HR unit PCB on.
3. Reset the power of HR unit PCB.
4. On the HR unit PCB, manually set address of each valve of the HR unit to the central control address of the indoor unit connected to the valve.
5. Reset the power of outdoor unit PCB.
6. The number of the indoor unit installed is displayed after about 5 minutes.
   Ex) HR → The number of the indoor
7. Reset the power of outdoor unit PCB, HR unit.
8. Manual pipe detection is completed

⚠ CAUTION

- **In case that central controller is not installed, firstly set up central controller's setting to make address setting of indoor units.**
- **In case that central controller is installed, please set central control address of indoor units by using wired remote controller.**
- **HR units's manual pipe address is set by the central control address of indoor units.**
- **Address of valve which is not connected with indoor unit should be set differently with the address of a valve which is indoor unit connected.**
  (If address is overlapped, valve will not work properly)
- **If there occurs some error during pipe detection process, it means pipe detection process is not properly finished.**
- **During 5 minutes after pipe detection process is completed, do not turn off the main outdoor unit's PCB to save the result of pipe detection automatically.**

◆ Flow chart of manual addressing for pipe detection



Note

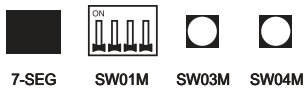
If you need to more information of Addressing method, please refer to the Installation Manual.

9. Electrical Wiring

■ Example of manual valve addressing (Non-Zoning setting)

(In case that an indoor unit of central control address "11" is connected to a valve #1 of an HR unit)

- Prerequisite for manual valve addressing: central control address of each indoor unit must be preset differently at its wired remote control.

No.	Display and setup	Setup and Contents
1		• Operation: None • Display: None
2		• Operation: Turn dip S/W No.1 on to address valve #1 • Display: Existing value saved in EEPROM is displayed in 7-SEG.
3		• Operation: Set the digit of 10 to the number in Group High data of the wired remote control connected to the corre- sponding indoor unit to the valve #1 by pressing left tack S/W. • Display: Digit increasing with the times of pressing tack S/W is displayed in left 7-SEG
4		• Operation: Set the digit of 1 to the number in Group Low data of the wired remote control connected to the corres- ponding indoor unit to the valve #1 by pressing right tack S/W. • Display: Digit increasing with the times of pressing tack S/W is displayed in right 7-SEG
5		• Operation: Turn dip S/W No.1 off to save the address of valve #1 • Display: "11" displayed in 7-SEG disappears

- Above setup must be done for all HR unit valves.
- The valve that is not connected with any indoor unit should be addressed with any other number than used address numbers of the valves connected with indoor units.
  (The valves does not work if the address numbers are same.)

9. Electrical Wiring

■ Example of manual valve addressing (Zoning setting)

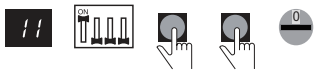
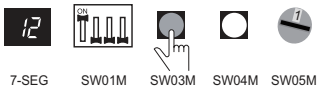
(In case that an indoor unit of central control address "11" is connected to a valve #1 of an HR unit)

Zoning control is connecting 2 or more indoor units at one pipe of HR unit. In case of Zoning control, in order to set controls with multiple indoor units connection uses the rotary switch. Namely, only the rotary switch changes from same valve set condition and set indoor units connection.

1. On dip switch of the corresponding valves and sets the rotary switch at 0.
2. Setting the number with tact switch.
3. In case of addition of indoor units to same port, increases 1 with the rotary switch and sets number with tact switch.
4. In case of addition of indoor units to same port, increases 1 with the rotary switch and sets number with tact switch.
5. Indoor units set available 7 per a port(rotary switch 0~6), in case of setting above of 7 with rotary switch, it will display error.
6. Setting the rotary switch on original condition(HR unit number set conditions) after all finishing a piping setting.
7. The rotary switch set value of above number of indoor units which is connected with FF and prevents a malfunction.

   (Ex : The case where 3 indoor units is connected in piping 1, sets from rotary switch 0,1,2 and 3,4,5 with FF set)

   - Prerequisite for manual valve addressing: central control address of each indoor unit must be preset differently at its wired remote control.

No.	Display and setup	Setup and Contents
1		• Operation: None • Display: None
2		• Operation : Turn dip S/W No.1 on to address valve #1 • Display : Existing value saved in EEPROM is displayed in 7-SEG.
3		• Operation : Set the digit of 10(1) to the number in Group High data of the wired remote control connected to the corresponding indoor unit to the valve #1 by pressing left tack S/W. • Display : Digit increasing with the times of pressing tack S/W is displayed in left 7-SEG.
4		• Operation : SW05M : 1 • Display : Display former value.
5		• Operation : Setting No. using SW03M and SW04M, SW05M : 1 • Display : Display setting value.
6		• Operation : Turn dip S/W No.1 off to save the address of valve #1 • Display : "11" displayed in 7-SEG disappears.
7		• Operation : Return valve of addressing HR unit. • Display: None

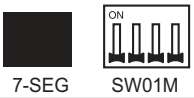
- Above setup must be done for all HR unit valves.
- The valve that is not connected with any indoor unit should be addressed with any other number than used address numbers of the valves connected with indoor units.

  (The valves does not work if the address numbers are same.)

9. Electrical Wiring

■ Example of checking valve address

(In case that an indoor unit of central control address "11" is connected to a valve #1 of an HR unit)

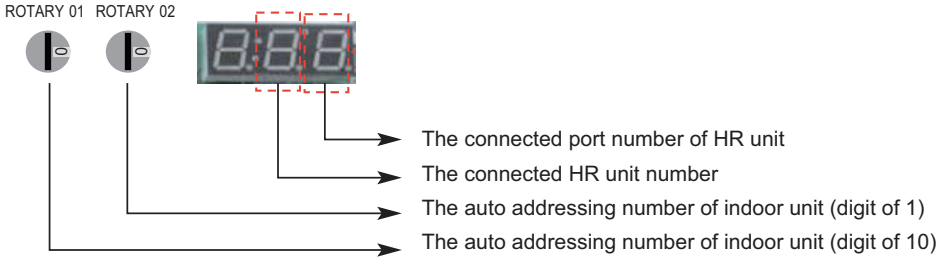
No.	Display and setup	Setup and Contents
1		• Operation: Turn dip S/W No.1 on. • Display: "11" is displayed in 7-SEG
2		• Operation: Turn dip S/W No.1 off. • 7-SEG disappeared

■ Identification of Manual Valve ID (Address)

No.	Display and setup	Setup and Contents
1		• Operation: Turn dip S/W No.1 on. • Display: "11" is displayed in 7-SEG

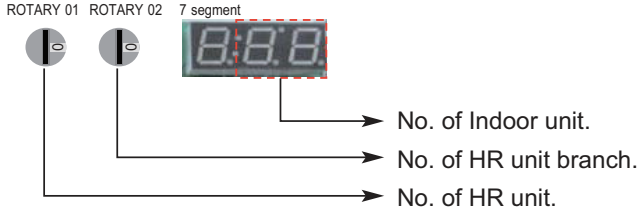
■ Method of checking the pipe detection result at outside unit

1. Wait for 5 minutes, after Pipe detection is completed.
2. Turn on the No.10,14,16 DIP S/W of SUB PCB at master unit
3. Check the data on 7- segment, switching rotary 01,02.



■ Setting method of Master indoor unit in zoning

1. Turn dip switch 5,6,10 on at system off.
2. Set the left Ratary switch for HR unit.(Rotary switch No. "0" ‘ HR unit No. "1")
3. Set the right Ratary switch for IDU unit.(Rotary switch No. "0" ‘ HR unit branch No. "1")
4. Display the Master IDU No. of the HR unit on 7segment.(Default display is "00" on 7segment)
5. Press the black button.(The IDU No. increase every 1 second in the zoning)
6. Set the Master IDU(Press the red button during 1.5seconds stop twinkling)



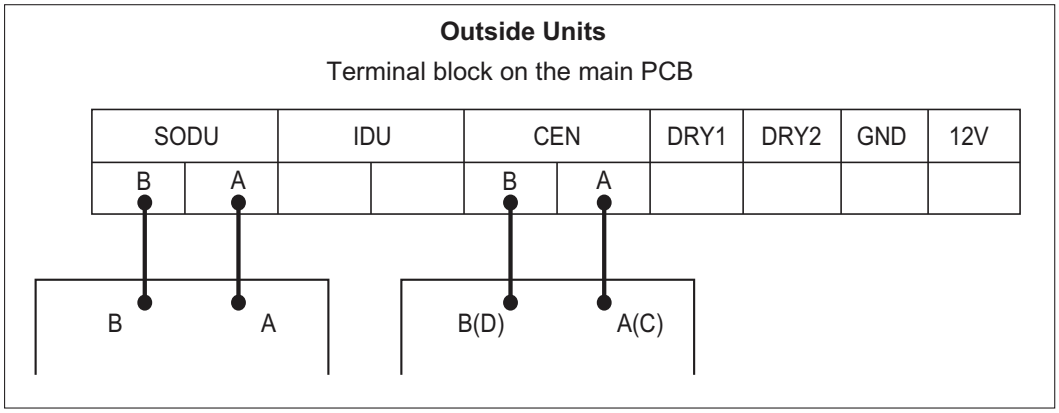
⚠ CAUTION

- Waiting for 80seconds after power on.
- The zoning information and Master IDU information remove from EEPROM after Auto-addressing.
- If there is installed the central control, it is impossible setting of Master IDU in zoning.

9. Electrical Wiring

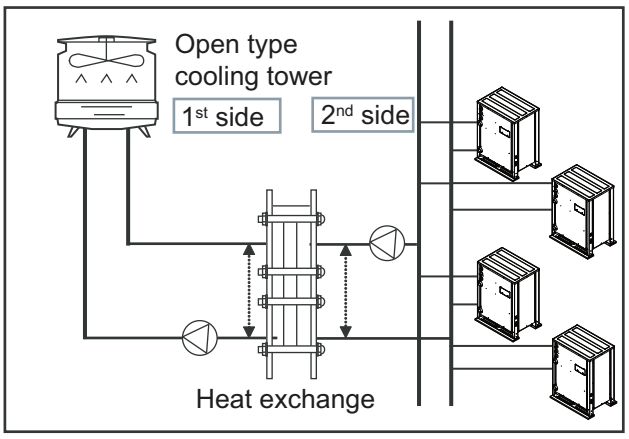
■ Group number setting for indoor units

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.



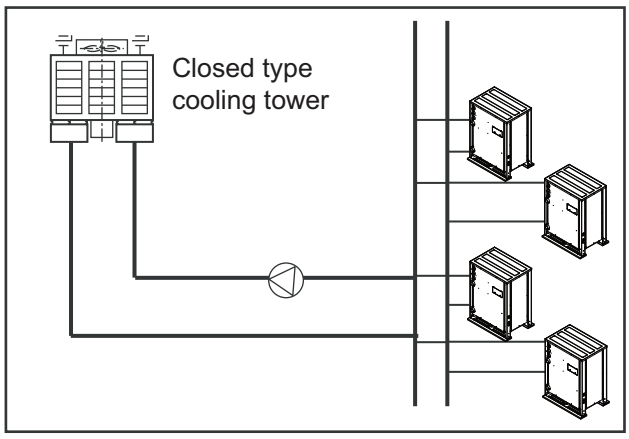
Group recognizing the simple central controller
No.0 group (00~0F)
No.1 group (10~1F)
No.2 group (20~2F)
No.3 group (30~3F)
No.4 group (40~4F)
No.5 group (50~5F)
No.6 group (60~6F)
No.7 group (70~7F)
No.8 group (80~8F)
No.9 group (90~9F)
No. A group (A0~AF)
No. B group (B0~BF)
No. C group (C0~CF)
No. D group (D0~DF)
No. E group (E0~EF)
No. F group (F0~FF)

10. 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

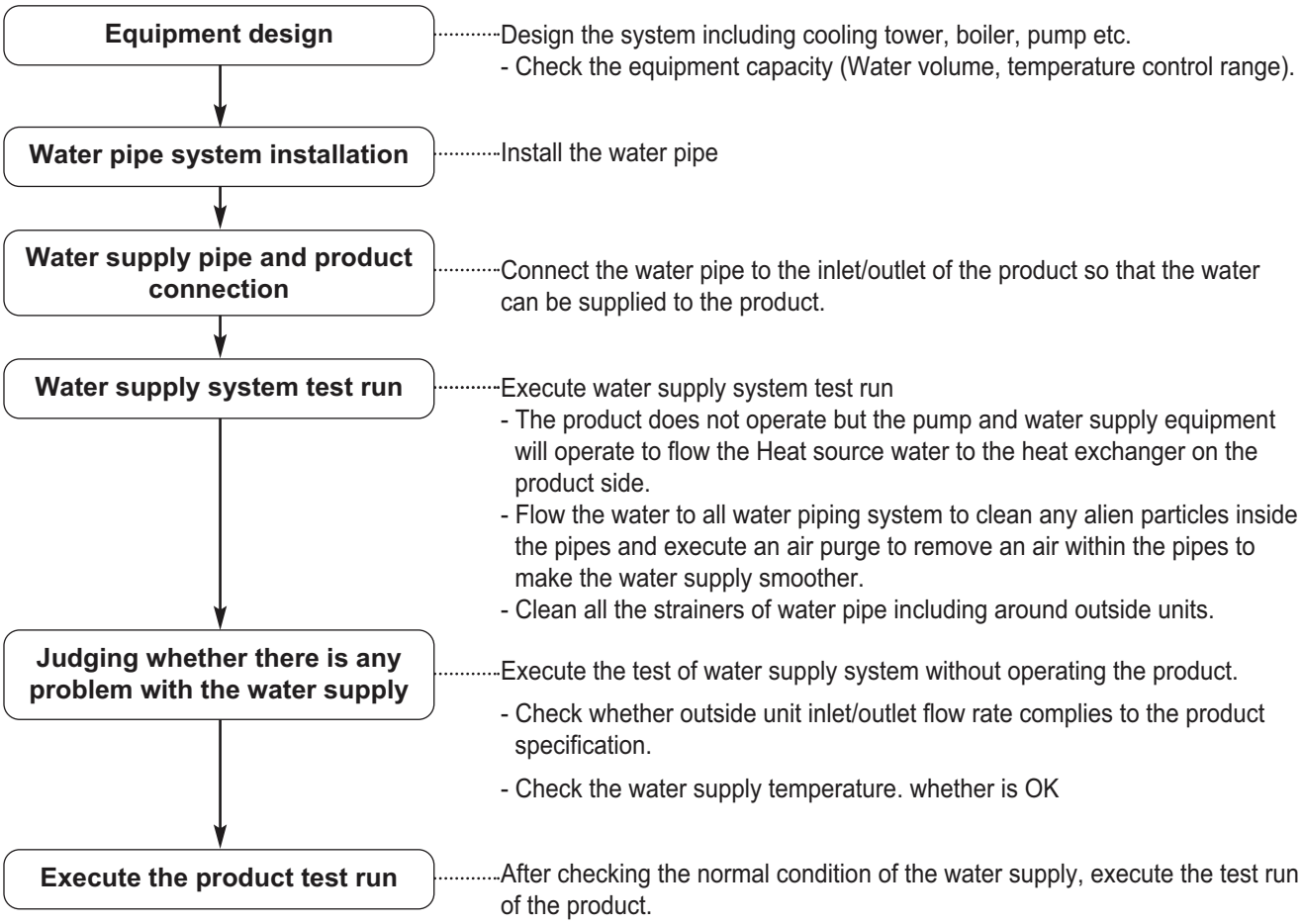
When the open type cooling tower is used and the water supply is directly connected to the 2nd heat exchanger, product damage by alien particle cannot be repaired for free.

- Always use the 2nd heat exchanger.

11. Test Run

11.1 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.



11. Test Run

11.2 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.)**

11. Test Run

11.3 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)

11. Test Run

11.4 Maintenance of plate type heat exchanger

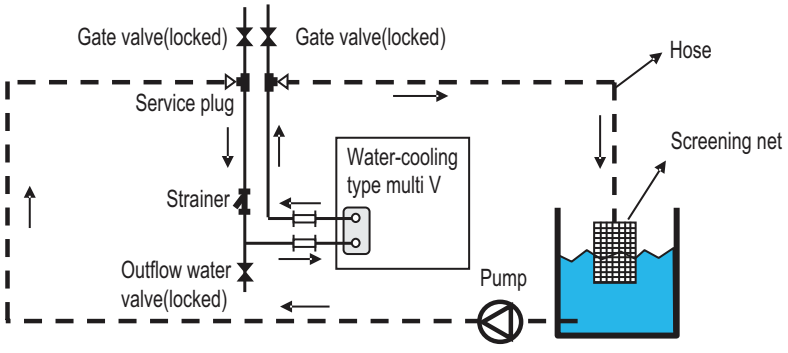
As the scales are created in the panel heat exchanger, its efficiency may decrease or damage may occur due to wintersowing due to the decrease in its flow.

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]

11. Test Run

11.5 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.

11. Test Run

11.6 Maintenance/Repair checklist

Checkpoint	Period (Year)														
	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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

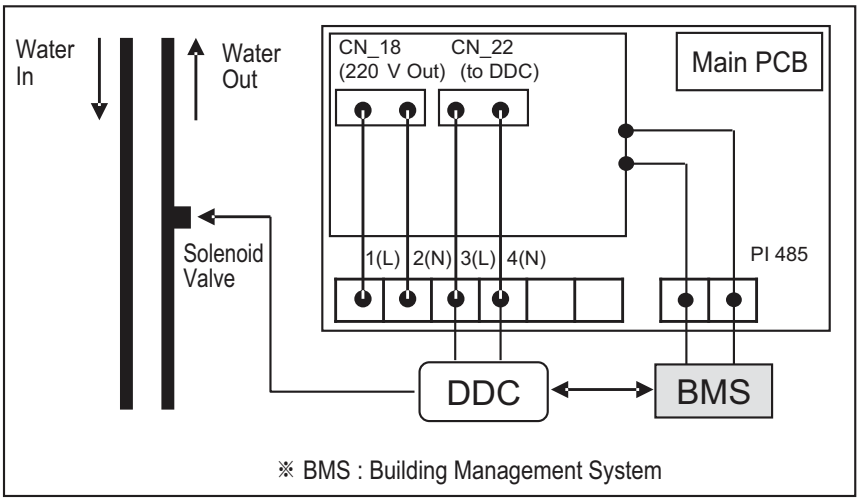
(●: Check mark)

⚠ CAUTION

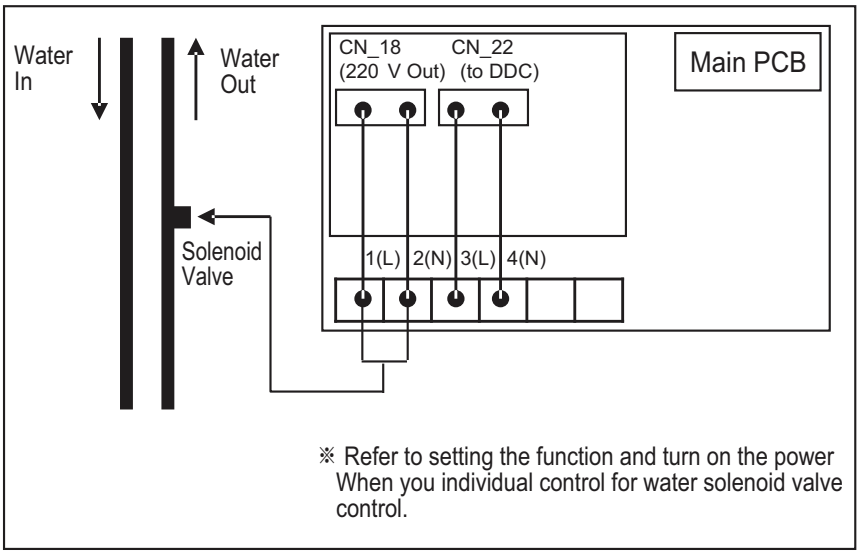
- The above checklist is set based on the minimum period and more frequent checking can be required depending on the operating condition/water quality condition.
- When cleaning the heat exchanger, make sure to take parts out or lock the value so that chemical detergent does not penetrate into the pressure 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.

12. Water Solenoid Valve Control

12.1 Central Control (Use DDC Port)



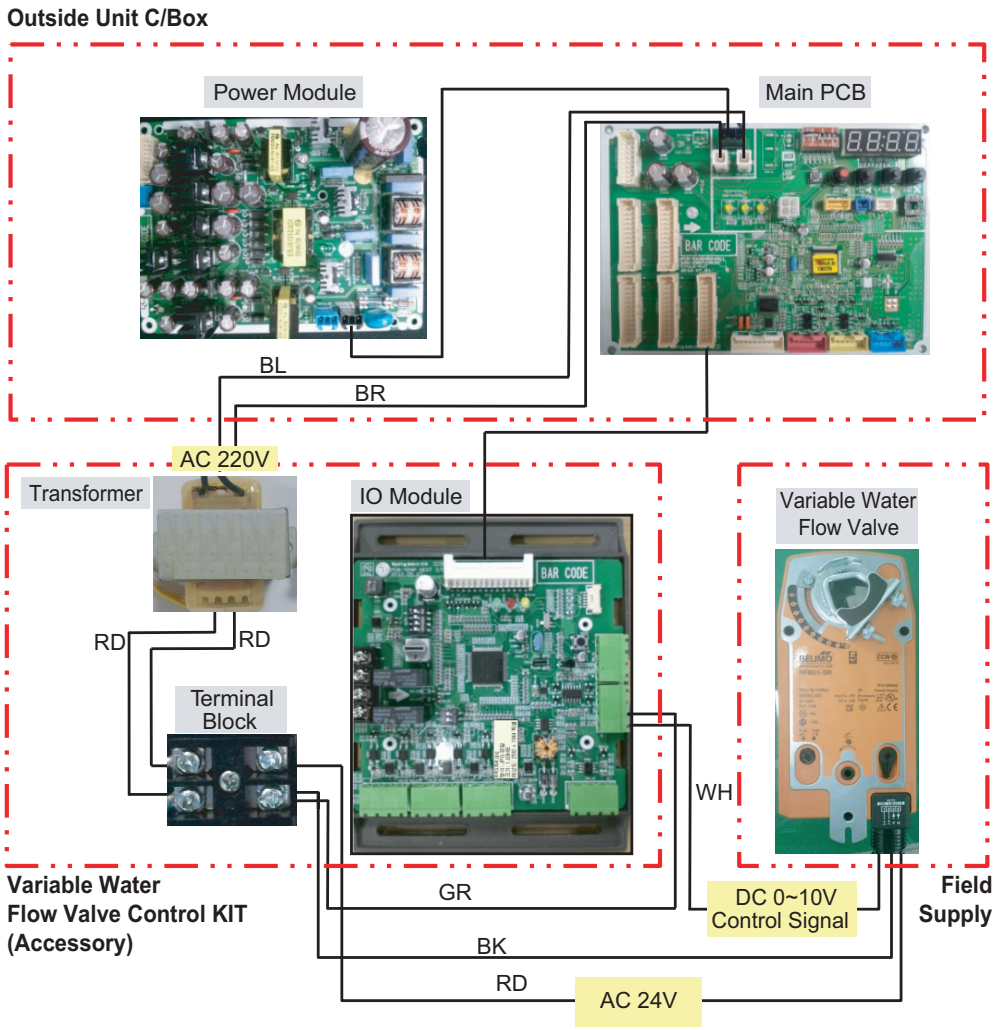
12.2 Individual Control (Use 220V Out Port)



13. 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

Note

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
Heat Recovery

Special Guide

1. Cautions for Refrigerant Leaks

1. Cautions for Refrigerant Leaks

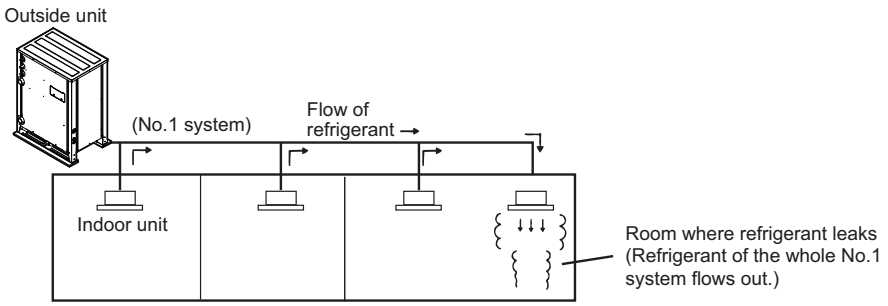
The installer and system specialist shall secure safety against leakage according to local regulations or standards. The following standards may be applicable if local regulations are not available.

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/m3 (Freon gas weight per unit air volume) for facilitating calculation.
Limiting concentration: 0.44kg/m^3(R410A)



1. Cautions for Refrigerant Leaks

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 at factory shipment		Amount of additionally replenished refrigerant depending on piping length or piping diameter at customer		

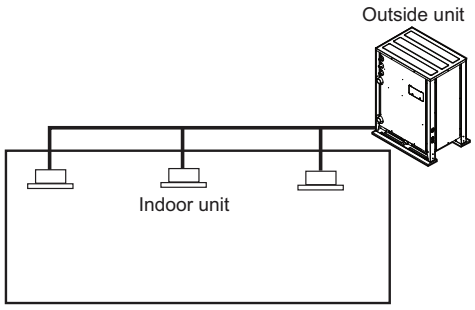
Note

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.

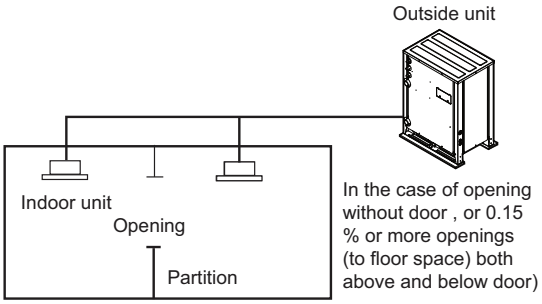
◆ Calculate minimum room capacity

Calculate room capacity by regarding a portion as one room or the smaller room.

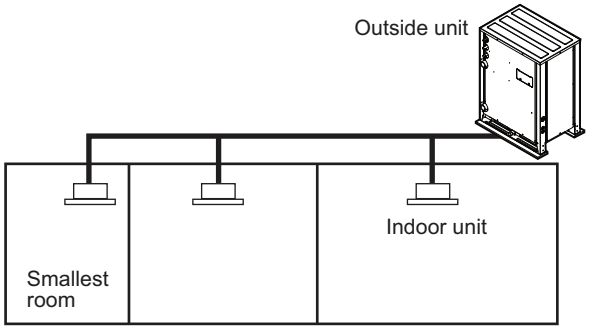
1. Without partition



2. With partition and with opening which serve aspassage of air to adjoining room



3. With partition and without opening which serve as passage of air to adjoining room



1. Cautions for Refrigerant Leaks

◆ Calculate refrigerant concentration

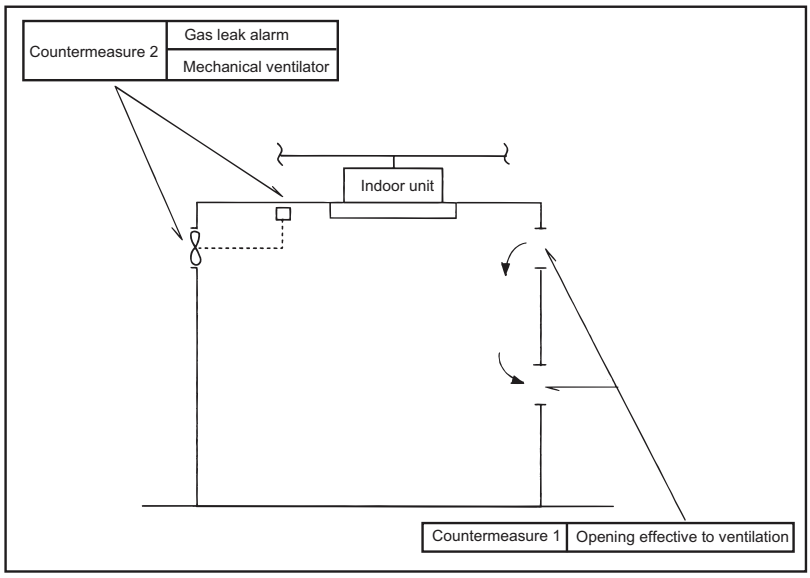
$$\frac{\text{Total amount of replenished refrigerant in refrigerant facility (kg)}}{\text{Capacity of smallest room where indoor unit is installed } (m^3)} = \text{Refrigerant concentration} \Big| \begin{matrix} \text{(kg/m}^3\text{)} \\ \text{(R410A)} \end{matrix}$$

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.



⚠ CAUTION

Pay a special attention to the place, such as a basement, etc. where refrigerant can stay, since refrigerant is heavier than air.

MULTI V™ WATER IV

Heat Recovery

HR Unit

1. Nomenclature
2. Specifications
3. Dimensions
4. Prats Function
5. Piping Diagrams
6. Wiring Diagrams
7. Sound Levels

1. Nomenclature

Model Name	PRHR	04	3
No.	1	2	3

No.	Signification
1	**HR Unit connecting to Multi V Heat Recovery System Outdoor Unit using R410A** PRHR : Global line-up
2	**The No. of connected branches** 02 : For 2 branches 03 : For 3 branches 04 : For 4 branches 06 : For 6 branches 08 : For 8 branches
3	**Serial Number**

2. Specifications

Model			PRHR023	PRHR033	PRHR043
Max. Connectable No. of Indoor Units			16	24	32
Max. Connectable No. of Indoor Units of a branch			8	8	8
Nominal Input	Cooling(W)		39.8	39.8	39.8
	Heating(W)		37.2	37.2	37.2
Net. Weight	kg		14.9	16.7	18.2
	lbs		32.8	36.8	40.1
Dimensions (WxHxD)	mm		786 x 218 x 657		
	Inch		30-15/16 × 8-19/32 × 25-7/8		
Casing			Galvanized steel plate		
Connecting Pipes	Indoor side	Liquid Pipe [mm/inch]	Ø9.52[3/8] ~ Ø6.35[1/4]		
		Gas Pipe [mm/inch]	Ø15.88[5/8] ~ Ø12.7[1/2]		
	Outdoor side	Liquid [mm/inch]	Ø9.52[3/8]	Ø12.7[1/2]	Ø15.88[5/8]
		Low Pressure [mm/inch]	Ø22.2[7/8]	Ø28.58[1-1/8]	Ø28.58[1-1/8]
		High Pressure [mm/inch]	Ø19.05[3/4]	Ø22.2[7/8]	Ø22.2[7/8]
Sound Absorbing Insulation Material			Polyethylene Foam		
Current	Minimum circuit Amps(MCA)		0.17		
	Maximum fuse Amps(MFA)		15		
Power Supply			1Ø, 220-240V, 50Hz / 1Ø, 220V, 60Hz		

Note

1. Voltage range : Voltage supplied to the unit terminals should be within the minimum and maximum range.
2. Maximum allowable voltage unbalance between phases is 2%.
3. MCA = 1.25 x FLA , MFA ≤ (4 x FLA)
   Next lower standard fuse rating. Minimum 15A.
4. Select wire size based on the MCA.
5. MFA is used to select the circuit breaker and ground circuit interrupter(Earth leakage circuit breaker).
   Recommended circuit breaker is ELCB(Earth Leakage Circuit Breaker).

2. Specifications

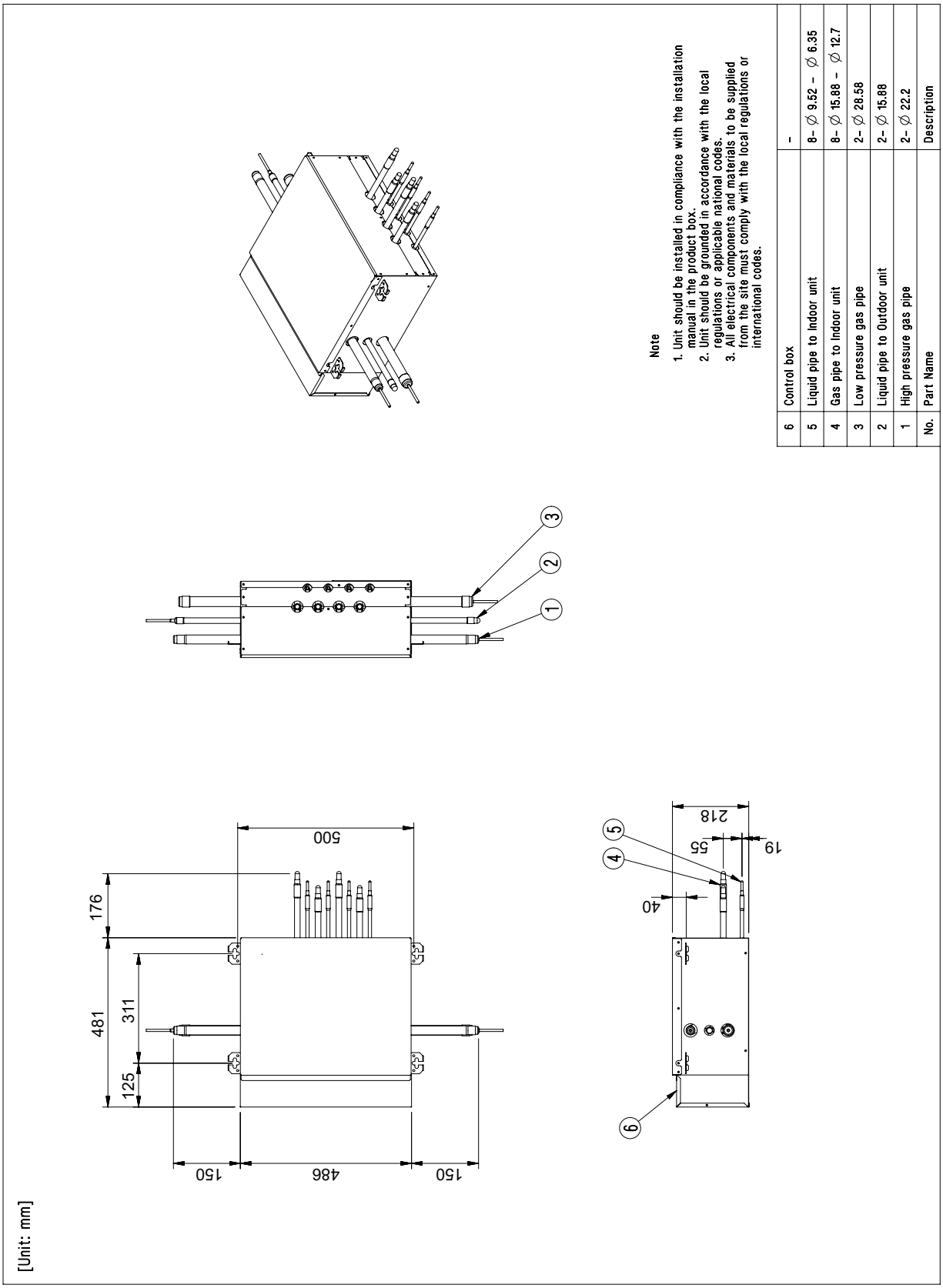
Model			PRHR063	PRHR083
Max. Connectable No. of Indoor Units			48	64
Max. Connectable No. of Indoor Units of a branch			8	8
Nominal Input	Cooling(W)		75.9	75.9
	Heating(W)		72.1	72.1
Net. Weight	kg		27.2	30.7
	lbs		60.0	67.7
Dimensions (WxHxD)	mm		1,113 x 218 x 657	
	Inch		43-13/16 × 8-19/32 × 25-7/8	
Casing			Galvanized steel plate	
Connecting Pipes	Indoor side	Liquid Pipe [mm/inch]	Ø9.52[3/8] ~ Ø6.35[1/4]	
		Gas Pipe [mm/inch]	Ø15.88[5/8] ~ Ø12.7[1/2]	
	Outdoor side	Liquid [mm/inch]	Ø15.88[5/8]	Ø15.88[5/8]
		Low Pressure [mm/inch]	Ø28.58[1-1/8]	Ø28.58[1-1/8]
		High Pressure [mm/inch]	Ø22.2[7/8]	Ø22.2[7/8]
Sound Absorbing Insulation Material			Polyethylene Foam	
Current	Minimum circuit Amps(MCA)		0.27	
	Maximum fuse Amps(MFA)		15	
Power Supply			1Ø, 220-240V, 50Hz / 1Ø, 220V, 60Hz	

Note

1. Voltage range : Voltage supplied to the unit terminals should be within the minimum and maximum range.
2. Maximum allowable voltage unbalance between phases is 2%.
3. MCA = 1.25 x FLA , MFA ≤ (4 x FLA)
   Next lower standard fuse rating. Minimum 15A.
4. Select wire size based on the MCA.
5. MFA is used to select the circuit breaker and ground circuit interrupter(Earth leakage circuit breaker).
   Recommended circuit breaker is ELCB(Earth Leakage Circuit Breaker).

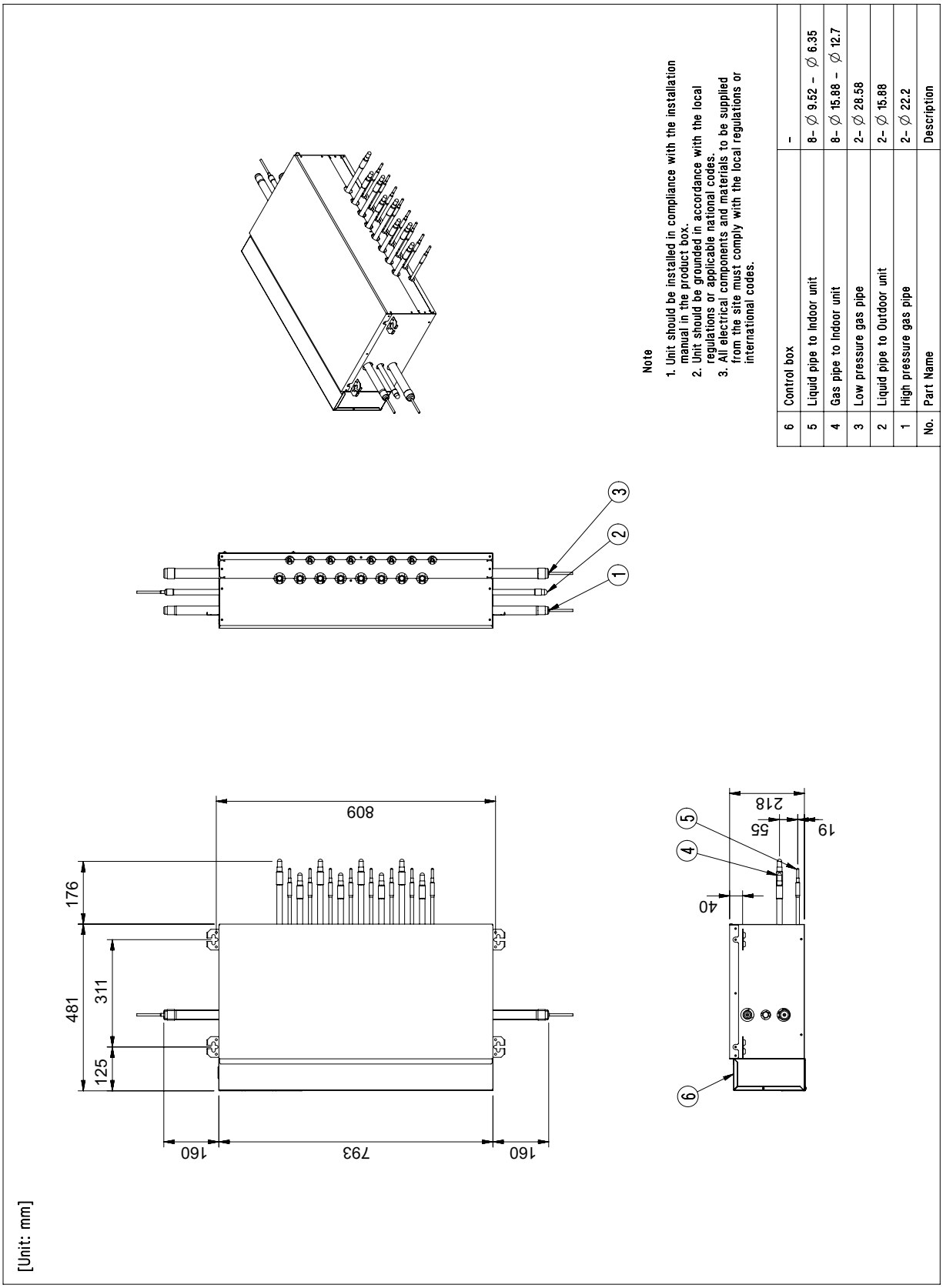
3. Dimensions

PRHR023 / PRHR033 / PRHR043



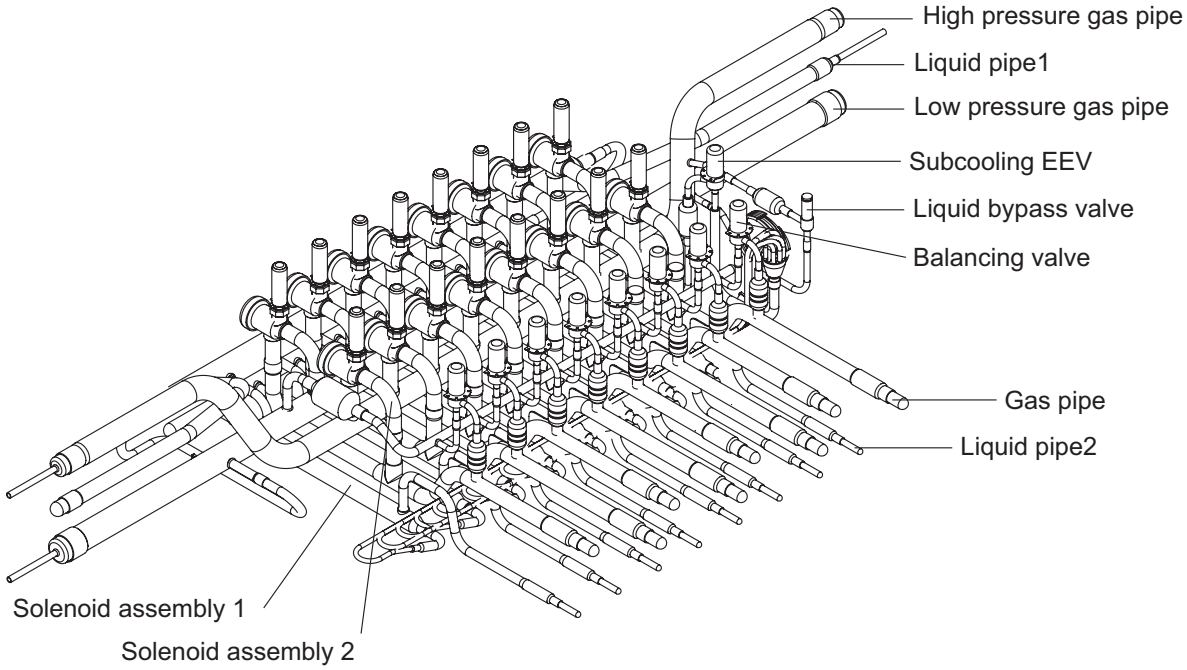
3. Dimensions

PRHR063 / PRHR083

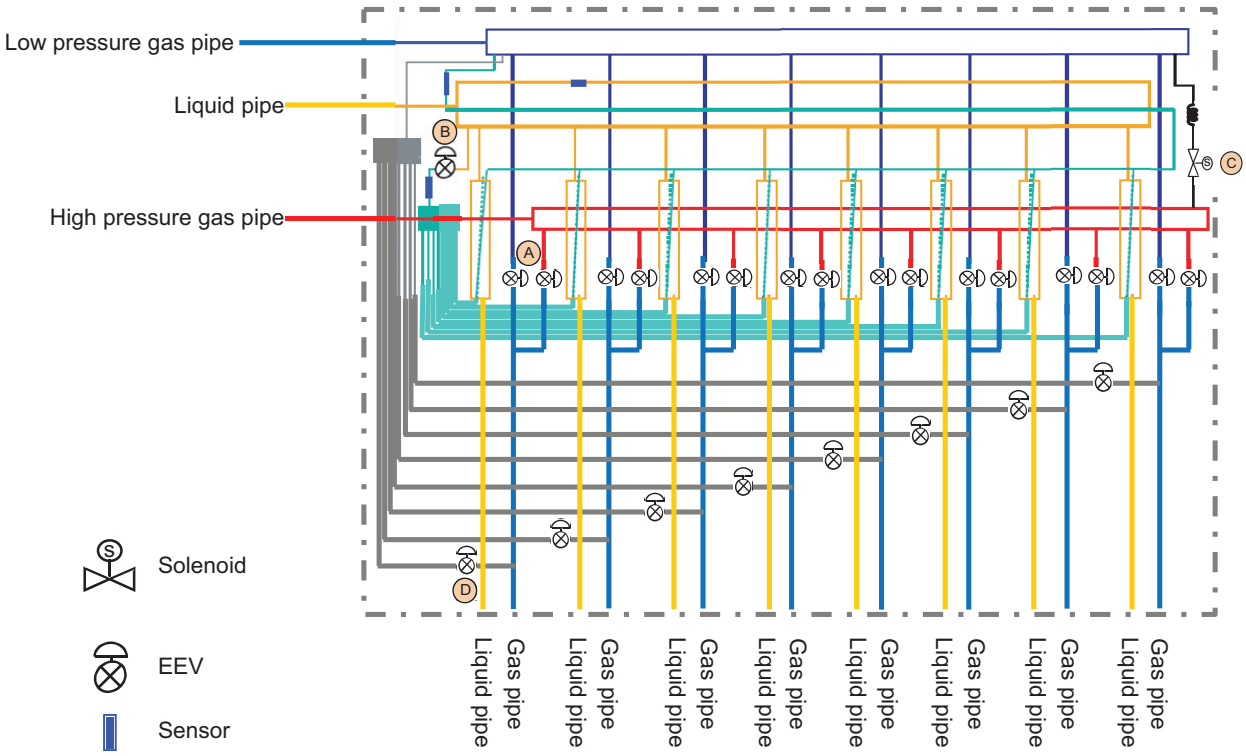


4. Parts Function

Parts Name	Symbol	Major Function
Low pressure gas pipe	LPGV	Pipe for Low pressure gas
High pressure gas pipe	HPGV	Pipe for High pressure gas
Liquid pipe 1	LP1	Liquid pipe connected with outdoor unit
Liquid bypass valve	LBV	Prevent Liquid charging
Solenoid Assembly 1, 2	SOL1, 2	Control the path for heating or cooling
Liquid pipe 2	LP2	Liquid pipe connected with indoor unit
Gas pipe	GSP	Gas pipe connected with indoor unit
Balancing valve	BLV	Control the pressure between High and Low pressure pipe during operation switching
Subcooling EEV	SCEEV	Control the subcooling



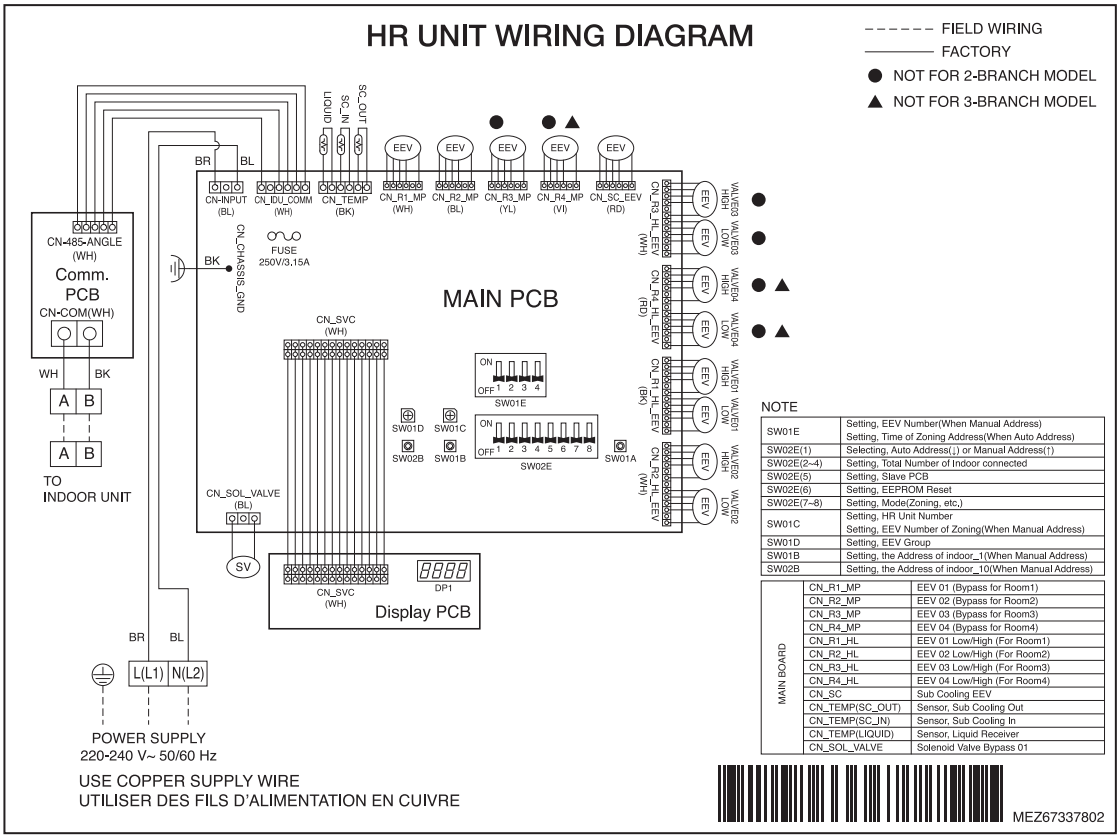
5. Piping Diagrams



- A : To be switched operation between cooling and heating by two valves
- B : To be used decreasing noise according to sub-cooling of inlet of indoor unit and outlet of indoor unit (Simultaneous operation)
- C : To prevent liquid charging between H/P gas valve and HR unit at cooling mode
- D : To be controlled the pressure between High and Low pressure pipe during operation switching

6. Wiring Diagrams

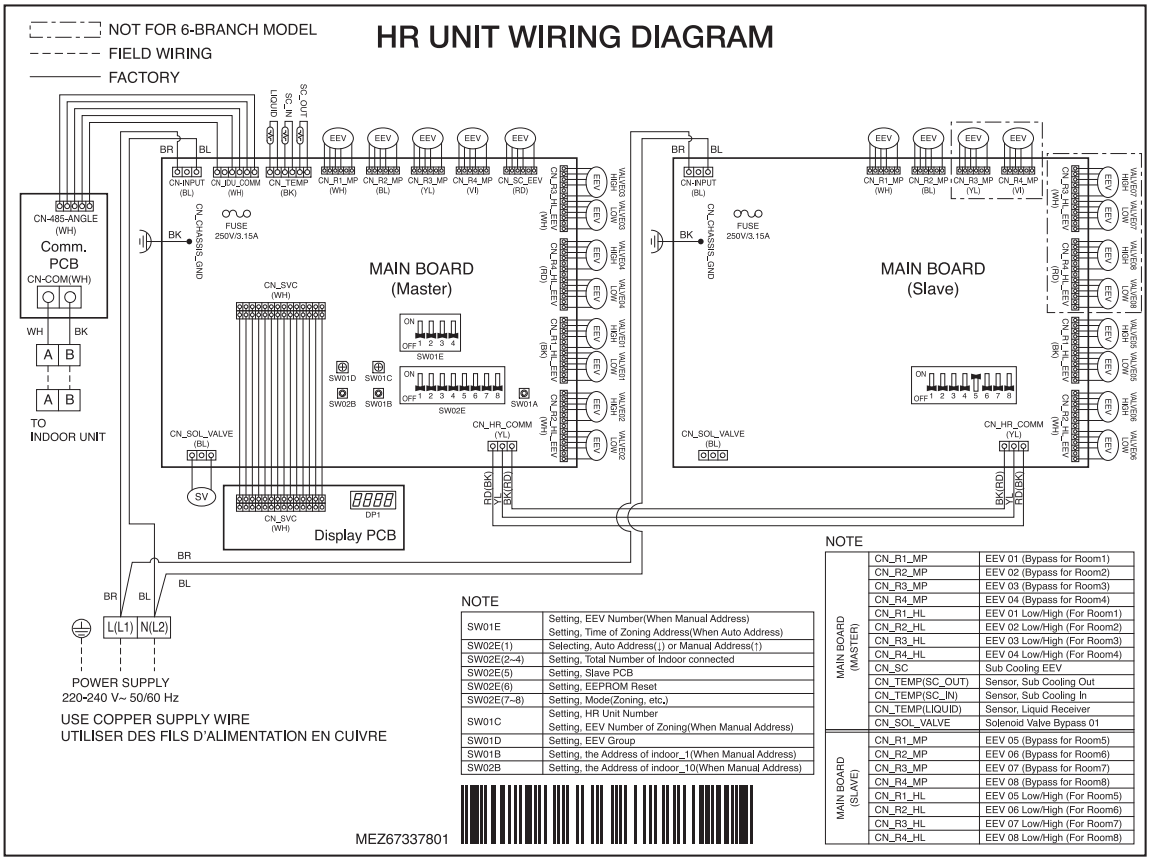
■ PRHR023, PRHR033, PRHR043



CONNECTOR NUMBER	FUNCTION
CN_R1_MP	EEV 01 (Bypass for Room1)
CN_R2_MP	EEV 02 (Bypass for Room2)
CN_R3_MP	EEV 03 (Bypass for Room3)
CN_R4_MP	EEV 04 (Bypass for Room4)
CN_R1_HL	EEV 01 Low/High (For Room1)
CN_R2_HL	EEV 02 Low/High (For Room2)
CN_R3_HL	EEV 03 Low/High (For Room3)
CN_R4_HL	EEV 04 Low/High (For Room4)
CN_SC	Sub Cooling LEV
CN_TEMP(SC_OUT)	Sensor, Sub Cooling Out
CN_TEMP(SC_IN)	Sensor, Sub Cooling In
CN_TEMP(LIQUID)	Sensor, Liquid Receiver
CN_SOL_VALVE	Solenoid Valve Bypass 01
SW01E	Setting, EEV Number (When Manual Address) Setting, Time of Zoning Address (When Auto Address)
SW02E(1)	Selecting, Auto Address (↓) or manual Address (↑)
SW02E(2~4)	Setting, Total Number of Indoor connected
SW02E(5)	Setting, Slave PCB
SW02E(6)	Setting, EEPROM Reset
SW02E(7~8)	Setting, Mode (Zoning, etc.)
SW01C	Setting, HR Unit Number Setting, EEV Number of Zoning (When Manual Address)
SW01D	Setting, EEV Group
SW01B	Setting, the Address of indoor_1 (When Manual Address)
SW02B	Setting, the Address of indoor_10 (When manual Address)

6. Wiring Diagrams

■ PRHR063, PRHR083



CONNECTOR NUMBER		FUNCTION
MAIN BOARD (MASTER)	CN_R1_MP	EEV 01 (Bypass for Room1)
	CN_R2_MP	EEV 02 (Bypass for Room2)
	CN_R3_MP	EEV 03 (Bypass for Room3)
	CN_R4_MP	EEV 04 (Bypass for Room4)
	CN_R1_HL	EEV 01 Low/High (For Room1)
	CN_R2_HL	EEV 02 Low/High (For Room2)
	CN_R3_HL	EEV 03 Low/High (For Room3)
	CN_R4_HL	EEV 04 Low/High (For Room4)
	CN_SC	Sub Cooling EEV
	CN_TEMP(SC_OUT)	Sensor, Sub Cooling Out
	CN_TEMP(SC_IN)	Sensor, Sub Cooling In
	CN_TEMP(LIQUID)	Sensor, Sub Cooling Out
	CN_SEN_02 (SC_IN)	Sensor, Sub Cooling In
	CN_SEN_02 (LIQUID)	Sensor, Liquid Receiver
	CN_SOL_VALVE	Solenoid Valve Bypass 01
MAIN BOARD (SLAVE)	CN_R1_MP	EEV 05 (Bypass for Room5)
	CN_R2_MP	EEV 06 (Bypass for Room6)
	CN_R3_MP	EEV 07 (Bypass for Room7)
	CN_R4_MP	EEV 08 (Bypass for Room8)
	CN_R1_HL	EEV 05 Low/High (For Room5)
	CN_R2_HL	EEV 06 Low/High (For Room6)
	CN_R3_HL	EEV 07 Low/High (For Room7)
	CN_R4_HL	EEV 08 Low/High (For Room8)

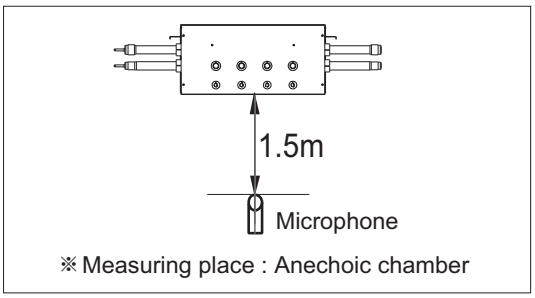
6. Wiring Diagrams

CONNECTOR NUMBER	FUNCTION
SW01E	Setting, EEV Number(When Manual Address)
	Setting, Time of Zoning Address(When Auto Address)
SW02E(1)	Selecting, Auto Address(↓) or Manual Address(↑)
SW02E(2~4)	Setting, Total Number of Indoor connected
SW02E(5)	Setting, Slave PCB
SW02E(6)	Setting, EEPROM Reset
SW02E(7~8)	Setting, Mode(Zoning, etc.)
SW01C	Setting, HR Unit Number
	Setting, EEV Number of Zoning(When Manual Address)
SW01D	Setting, EEV Group
SW01B	Setting, the Address of indoor_1(When Manual Address)
SW02B	Setting, the Address of indoor_10(When Manual Address)

7. Sound Levels

7.1 Sound pressure level

■ Overall

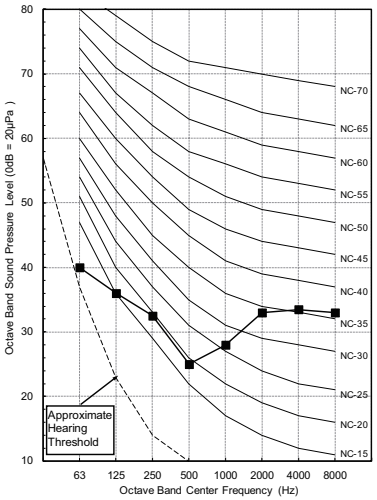


Note

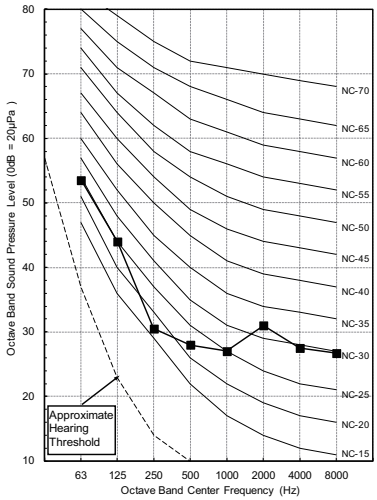
- Sound measured at 1.5m away from the center of the unit.
- Operating condition|
  - Power source : 220-240V 50Hz / 220V 60Hz
  - Cooling : Indoor temperature (27°C DB, 19°C WB), Outdoor temperature (35°C DB, 24°C WB)
  - Heating : Indoor temperature (20°C DB, 15°C WB), Outdoor temperature (7°C DB, 6°C WB)
- Reference accoustic pressure 0dB=20μPa.
- 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 changeover sound was measured by switching the mode of one indoor unit.
  It could vary depending on the number of indoor units in operation, piping length and installation environment.

Operation Mode	50Hz, 220-240V
	Sound pressure Levels [dB(A)]
Cooling	30
Heating	30
Changeover : Cooling → Heating	33
Changeover : Heating → Cooling	38

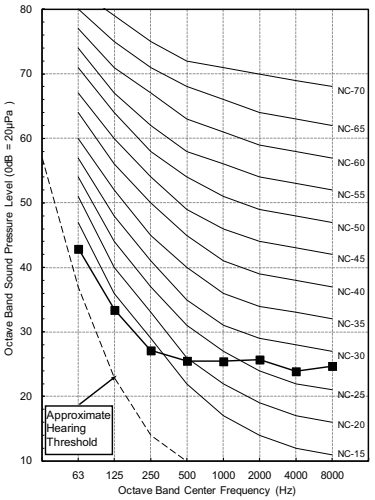
Cooling



Heating

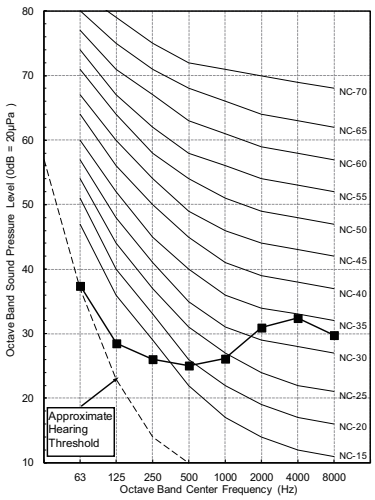


Changeover : Cooling → Heating



7. Sound Levels

Changeover : Heating → Cooling



LG Electronics

Air Solution
LG Electronics Inc, 128, Yeoui-daero,
Yeongdeungpo-gu, Seoul, Korea
(07336)
http://partner.lge.com

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