SAMSUNG

VRF Technical Data Book

DVM S Water for Europe

including Capacity table



Model : AM✳✳✳FXWANR/EU

History

Version	Modification	Date	Remark
Ver. 1.0	Release DVM S Water TDB	16.11.17	

Nomenclature

Outdoor units

Model name

AM	080	F	X	W	A	N	R	/	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(Buyer)

(1) Classification

AM	DVM

(2) Capacity

x 1/10 HP (3 digits)

(3) Version

F	2013
H	2014
J	2015
K	2016

(4) Product Type

X	Outdoor Unit
N	Indoor Unit

(5) Feature1

W	DVM WATER

(6) Feature2

A	Standard + General Temp.+ Module

(7) Rating Voltage

N	3Ø, 380~415V, 50/60Hz
G	3Ø, 380~415V, 50Hz

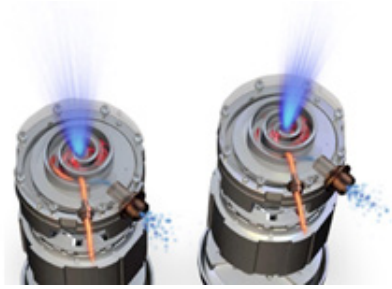
(8) Mode

R	Heat Recovery
H	Heat Pump

Features & Benefits

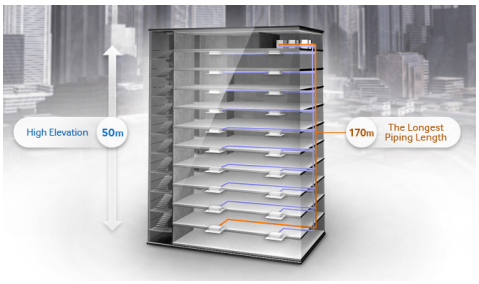
More efficient, more eco-friendly

The DVM S WATER air conditioning system saves money and the environment, while providing a powerful performance. Its innovative Dual Inverter Compressor with a high efficiency Vapor Injection System ensures powerful, rapid cooling and heating with minimum energy consumption, so it's very eco-friendly. A Plate Heat Exchanger also improves the heat exchange efficiency and ensures stable cooling and heating performances.



Flexible installation almost anywhere

The DVM S WATER air conditioning system can be installed almost anywhere, regardless of its location or distance from the building. It has a maximum piping length of up to 170 meters (558 feet) between the outdoor and indoor units, while still ensuring complete reliability. It can also reach up to a height of 50 meters (164 feet), which is the equivalent of 10 stories.



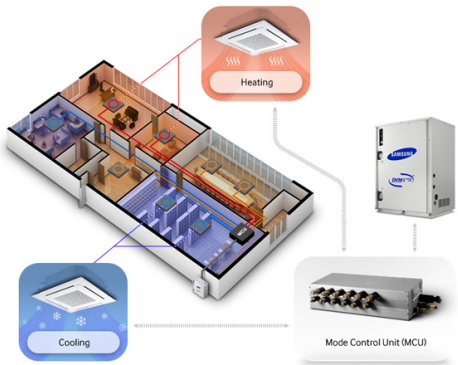
Lower installation costs, great capacity

The DVM S WATER air conditioning system is much more economical to install as it has a small footprint and lightweight design, but a large 20 horsepower (HP) capacity. So instead of installing two 10HP units you only need one 20HP Samsung unit – using 30% less space and significantly reducing the costs of valves, fittings and gauges. You can also combine up to three units to create a total capacity of 60HP.



Independently cool and heat

With the DVM S WATER air conditioning system's optional Mode Control Unit (MCU) you can independently cool and heat different spaces at the same time. Instead of just heating or cooling all spaces at the same time, with the MCU each indoor unit can be operated separately, so you can simultaneously heat some rooms or areas of the building, while cooling others.



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1. Line-up

1) Outdoor units combination Table

System Model			Capacity (HP)			
Capa (HP)	Model	No. of modules	8	10	12	20
8	AM080FXWA✳✳	1	1			
10	AM100FXWA✳✳	1		1		
12	AM120FXWA✳✳	1			1	
16	AM160FXWA✳✳	2	2			
18	AM180FXWA✳✳	2	1	1		
20	AM200FXWA✳✳	1				1
22	AM220FXWA✳✳	2		1	1	
24	AM240FXWA✳✳	2			2	
26	AM260FXWA✳✳	3	2	1		
28	AM280FXWA✳✳	2	1			1
30	AM300FXWA✳✳	2		1		1
32	AM320FXWA✳✳	2			1	1
34	AM340FXWA✳✳	3		1	2	
36	AM360FXWA✳✳	3	2			1
38	AM380FXWA✳✳	3	1	1		1
40	AM400FXWA✳✳	2				2
42	AM420FXWA✳✳	3		1	1	1
44	AM440FXWA✳✳	3			2	1
48	AM480FXWA✳✳	3	1			2
50	AM500FXWA✳✳	3		1		2
52	AM520FXWA✳✳	3			1	2
60	AM600FXWA✳✳	3				3

NOTE

- Make sure to use an indoor unit that is compatible with DVM S WATER-GEO.
- Indoor units can be connected within the range indicated in following table.
- If the total capacity of the connected indoor units exceeds the indicated maximum capacity, cooling and heating capacityof the indoor unit may decrease.
- Total capacity of the connected indoor units can be allowed from 50% to 130% of the total outdoor unit capacity. 0.5 × ∑(Outdoor unit capacity) ≤ Total capacity of the connected indoor units ≤ 1.3 × ∑(Outdoor unit capacity)
- You can connect maximum 64 indoor units to the outdoor unit. Maximum quantity of connectable indoor unit is set to 64 since outdoor unit only support up to 64 communication address. Indoor unit address can be assigned from 0~63. If the indoor unit address was assigned from 64~79, E201 error will occur.
- Minimum capacity of the indoor unit is 1.7 kW.
- Installation combination must be complied when composing outdoor unit combination.

2) External appearance (outdoor unit)

Capacity (HP)	8	10	12	20
Type	HR / HP			
Model				

1. Line-up

3) Indoor units

Model	Capacity (kW)								
	1.7	2.2	2.8	3.6	4.5	5.6	6.0	7.1	9.0
Slim 1way cassette (JSF)									
2way cassette									
Global 4way cassette									
4way CST (600 X 600)									
360 CST									
Floor Standing Unit									
Slim duct									
MSP duct									
HSP duct									
Ceiling									
Console									
Neo forte									
Neo forte (with EEV)									
Hydro unit / HE									
Hydro unit / HT									
ERV plus									

1. Line-up

Model	Capacity (kW)							
	11.2	12.8	14.0	22.0	28.0	44.8	500CMH	1000CMH
Slim 1way cassette(JSF)								
2way cassette								
Global 4way cassette								
4way CST (600 X 600)								
360 CST								
Floor Standing Unit								
Slim duct								
MSP duct								
HSP duct								
Ceiling								
Console								
Neo forte								
Neo forte (with EEV)								
Hydro unit / HE								
Hydro unit / HT								
ERV plus								

2. Specification

DVM S Water

Type					DVM S Water	DVM S Water	DVM S Water	DVM S Water
Model Name					AM080FXWA**	AM100FXWA**	AM120FXWA**	AM160FXWA**
	Outdoor unit module 1				AM080FXWA**	AM100FXWA**	AM120FXWA**	AM080FXWA**
	Outdoor unit module 2							AM080FXWA**
	Outdoor unit module 3							
	Outdoor unit module 4							
Power Supply				Ø, #, V, Hz	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60
Mode				-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP			HP	8	10	12	16
	Ton			Ton	6.37	7.96	9.55	12.74
	Capacity (Nominal)	Cooling		kW	22.4	28.0	33.6	44.8
				Btu/h	76,400	95,500	114,600	152,900
		Heating 2)*		kW	25.2	31.5	37.8	50.4
				Btu/h	86,000	107,500	129,000	172,000
		Heating 4)*		kW	21.64	25.75	31.1	-
				Btu/h	73,700	88,000	106,500	-
Maximum number of connectable indoor units				ea	14	18	22	29
	Total capacity of the connected Indoor Units 3)	Min.		kW	11.2	14.0	16.8	22.4
		Max.		kW	29.1	36.4	43.7	58.2
Power	Power Input (Nominal)	Cooling 1)*		kW	3.84	5.05	6.46	7.68
		Heating 2)*			4.12	5.25	6.51	8.24
		Heating 4)*			4.65	5.70	7.05	-
	Current Input (Nominal)	Cooling 1)*		A	6.2	8.1	10.3	12.4
		Heating 2)*			6.6	8.4	10.4	13.2
	Current	Minimum Ssc value		MVA	3.9	3.9	4.8	7.8
		MCA		A	16.1	16.1	20.0	31.8
		MFA		A	20.0	20.0	25.0	40.0
COP	Nominal Cooling 1)*			W/W	5.83	5.54	5.20	5.83
	Nominal Heating 2)*			W/W	6.12	6.00	5.81	6.12
	Nominal Heating 4)*			W/W	4.65	4.52	4.41	-
Casing	Material	cabinet		-	EGI steel plate	EGI steel plate	EGI steel plate	EGI steel plate
		Base		-	EGI steel plate	EGI steel plate	EGI steel plate	EGI steel plate
Compressor	Type			-	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Output			kW × n	(4.96) x 1	(4.96) x 1	(6.13) x 1	(4.96) x 2
	Model Name			-	DS-GB052FAVBSG x 1	DS-GB052FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB052FAVBSG x 2
	Oil	Type		-	PVE	PVE	PVE	PVE
		Initial Charge		Liter	3.9	3.9	3.9	3.9 x 2
Condenser	Type			Type	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)
	Pipe Size			Ø, inch	PT 1-1/4	PT 1-1/4	PT 1-1/4	PT 1-1/4 x 2
	Pressure Drop			kPa	22.0	30.0	43.0	22 .0 x 2
	Water Flow Rate			LPM	80.0	96.0	114.0	80.0 x 2
	Max. Pressure			Mpa	1.96	1.96	1.96	1.96
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection	Braze connection
				Ø, mm	9.52	9.52	12.7	12.7
				Ø, inch	3/8"	3/8"	1/2"	1/2"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection	Braze connection
				Ø, mm	19.05	22.22	28.58	28.58
				Ø, inch	3/4"	7/8"	1 1/8"	1 1/8"
	Discharge Gas Pipe			Ø, mm	15.88	19.05	19.05	22.22
				Ø, inch	5/8"	3/4"	3/4"	7/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length	ODU-IDU	Max.	m	170 (190)	170 (190)	170 (190)	170 (190)
		After branch	Max.	m	90	90	90	90
	Total piping length	System	Actual	m	300	300	300	300
	Level difference	ODU-IDU	Outdoor unit in highest position	m	50	50	50	50
			Indoor unit in highest position	m	40	40	40	40
		IDU-IDU	Max.	m	15	15	15	15
Wiring connections	Communication	Minimum		mm2	0.75	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	5.5	5.8	6.0	11.0
Sound3)*	Sound Pressure		Cooling	dB(A)	48	48	50	51
			Heating		51	51	52	54
	Sound Power				70	70	70	73
External Dimension	Net Weight			kg	160	160	160	160 x 2
	Shipping Weight			kg	167	167	167	167 x 2
	Net Dimensions (WxHxD)			mm	770 x 1,000 x 545	770 x 1,000 x 545	770 x 1,000 x 545	(770 x 1,000 x 545) x 2
	Shipping Dimensions (WxHxD)			mm	840 x 1,200 x 620	840 x 1,200 x 620	840 x 1,200 x 620	(840 x 1,200 x 620) x 2
Operating Temp. Range	Cooling			℃	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0
	Heating			℃	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0

2. Specification

Type					DVM S Water	DVM S Water	DVM S Water	DVM S Water
Model Name					AM180FXWA∗∗	AM200FXWA∗∗	AM220FXWA∗∗	AM240FXWA∗∗
	Outdoor unit module 1				AM080FXWA∗∗	AM200FXWA∗∗	AM100FXWA∗∗	AM120FXWA∗∗
	Outdoor unit module 2				AM100FXWA∗∗		AM120FXWA∗∗	AM120FXWA∗∗
	Outdoor unit module 3							
	Outdoor unit module 4							
Power Supply				Ø, #, V, Hz	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60
Mode				-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP			HP	18	20	22	24
	Ton			Ton	14.33	15.92	17.52	19.11
	Capacity (Nominal)	Cooling		kW	50.4	56.0	61.6	67.2
				Btu/h	172,000	191,100	210,200	229,300
		Heating [2]*		kW	56.7	63.0	69.3	75.6
				Btu/h	193,500	215,000	236,500.0	258,000
		Heating [4]*		kW	-		-	-
				Btu/h	-		-	-
Maximum number of connectable indoor units				ea	32	36	40	44
	Total capacity of the connected Indoor Units 3)	Min.		kW	25.2	28.0	30.8	33.6
		Max.		kW	65.5	72.8	80.1	87.4
Power	Power Input (Nominal)	Cooling [1]*		kW	8.89	10.77	11.51	12.02
		Heating [2]*			9.37	10.86	11.76	13.02
		Heating [4]*			-		-	-
	Current Input (Nominal)	Cooling [1]*		A	14.3	17.3	18.4	20.6
		Heating [2]*			15.0	17.4	18.8	20.8
	Current	Minimum Ssc value		MVA	7.8	7.7	8.7	9.6
		MCA		A	32.2	32.2	36.1	40.0
		MFA		A	40.0	40.0	40.0	50.0
COP	Nominal Cooling [1]*			W/W	5.67	5.20	5.35	5.20
	Nominal Heating [2]*			W/W	6.05	5.80	5.89	5.81
	Nominal Heating [4]*			W/W	-		-	-
Casing	Material	cabinet		-	EGI steel plate	EGI steel plate	EGI steel plate	EGI steel plate
		Base		-	EGI steel plate	EGI steel plate	EGI steel plate	EGI steel plate
Compressor	Type			-	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Output			kW × n	(4.96) x 2	(4.96) x 2	(4.96) x 1 + (6.13) x 1	(6.13) x 2
	Model Name			-	DS-GB052FAVBSG x 2	DS-GB052FAVBSG x 2	DS-GB052FAVBSG x 1 + DS-GB066FAVBSG X 1	DS-GB066FAVBSG x 2
	Oil	Type		-	PVE	PVE	PVE	PVE
		Initial Charge		Liter	3.9 x 2	6.2	3.9 x 2	3.9 x 2
Condenser	Type			Type	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)
	Pipe Size			Ø, inch	PT 1-1/4 x 2	PT 1-1/4	PT 1-1/4 x 2	PT 1-1/4 x 2
	Pressure Drop			kPa	22 .0 + 30.0	54.0	30.0 + 43.0	43.0 x 2
	Water Flow Rate			LPM	80.0 + 96.0	190.0	96.0 + 114.0	114.0 x 2
	Max. Pressure			Mpa	1.96	1.96	1.96	1.96
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection	Braze connection
				Ø, mm	15.88	15.88	15.88	15.88
				Ø, inch	5/8"	5/8"	5/8"	5/8"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection	Braze connection
				Ø, mm	28.58	28.58	28.58	28.58
				Ø, inch	1 1/8"	1 1/8"	1 1/8"	1 1/8"
	Discharge Gas Pipe			Ø, mm	22.22	28.58	28.58	28.58
				Ø, inch	7/8"	1 1/8"	1 1/8"	1 1/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length	ODU-IDU	Max.	m	170 (190)	170 (190)	170 (190)	170 (190)
		After branch	Max.	m	90	90	90	90
	Total piping length	System	Actual	m	300	300	300	300
	Level difference	ODU-IDU	Outdoor unit in highest position	m	50	50	50	50
			Indoor unit in highest position	m	40	40	40	40
		IDU-IDU	Max.	m	15	15	15	15
Wiring connections	Communication	Minimum		mm2	0.75	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	11.3	9.8	11.8	12.0
Sound[3]*	Sound Pressure		Cooling	dB(A)	51	51	52	53
			Heating		54	52	55	55
	Sound Power				73	73	73	73
External Dimension	Net Weight			kg	160 x 2	240	160 x 2	160 x 2
	Shipping Weight			kg	167 x 2	250	167 x 2	167 x 2
	Net Dimensions (WxHxD)			mm	(770 x 1,000 x 545) x 2	1,100 x 1,000 x 545	(770 x 1,000 x 545) x 2	(770 x 1,000 x 545) x 2
	Shipping Dimensions (WxHxD)			mm	(840 x 1,200 x 620) x 2	1,170 x 1,200 x 620	(840 x 1,200 x 620) x 2	(840 x 1,200 x 620) x 2
Operating Temp. Range	Cooling			℃	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0
	Heating			℃	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0

2. Specification

Type						DVM S Water	DVM S Water	DVM S Water	DVM S Water
Model Name						AM260FXWA**	AM280FXWA**	AM300FXWA**	AM320FXWA**
	Outdoor unit module 1					AM080FXWA**	AM080FXWA**	AM100FXWA**	AM120FXWA**
	Outdoor unit module 2					AM080FXWA**	AM200FXWA**	AM200FXWA**	AM200FXWA**
	Outdoor unit module 3					AM100FXWA**			
	Outdoor unit module 4								
Power Supply					Ø, #, V, Hz	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60
Mode					-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP				HP	26	28	30	32
	Ton				Ton	20.70	22.29	23.88	25.48
	Capacity (Nominal)	Cooling			kW	72.8	78.4	84.0	89.6
					Btu/h	248,400	267,500	286,600	305,700
		Heating 2)*			kW	81.9	88.2	94.5	100.8
					Btu/h	279,500	301,000	322,400	343,900
		Heating 4)*			kW	-	-	-	-
					Btu/h	-	-	-	-
Maximum number of connectable indoor units					ea	47	51	55	58
	Total capacity of the connected Indoor Units 3)	Min.			kW	36.4	39.2	42.0	44.8
		Max.			kW	94.6	101.9	109.2	116.5
Power	Power Input (Nominal)	Cooling 1)*			kW	12.73	14.61	15.82	17.23
		Heating 2)*				13.49	14.98	16.11	17.37
		Heating 4)*				-	-	-	-
	Current Input (Nominal)	Cooling 1)*			A	20.5	23.5	25.4	27.6
		Heating 2)*				21.6	24.0	25.8	27.8
	Current	Minimum Ssc value			MVA	11.7	11.6	11.6	12.5
		MCA			A	48.3	47.9	47.9	51.8
		MFA			A	63.0	63.0	63.0	63.0
COP	Nominal Cooling 1)*				W/W	5.72	5.37	5.31	5.20
	Nominal Heating 2)*				W/W	6.07	5.89	5.87	5.80
	Nominal Heating 4)*				W/W	-	-	-	-
Casing	Material	cabinet			-	EGI steel plate	EGI steel plate	EGI steel plate	EGI steel plate
		Base			-	EGI steel plate	EGI steel plate	EGI steel plate	EGI steel plate
Compressor	Type				-	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Output				kW × n	(4.96) x 3	(4.96) x 3	(4.96) x 3	(4.96) x 2 + (6.13) x 1
	Model Name				-	DS-GB052FAVBSG x 3	DS-GB052FAVBSG x 3	DS-GB052FAVBSG x 3	DS-GB066FAVBSG x 1 + DS-GB052FAVBSG x 2
	Oil	Type			-	PVE	PVE	PVE	PVE
		Initial Charge			Liter	3.9 x 3	3.9+6.2	3.9+6.2	3.9+6.2
Condenser	Type				Type	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)
	Pipe Size				Ø, inch	PT 1-1/4 x 3	PT 1-1/4 x 2	PT 1-1/4 x 2	PT 1-1/4 x 2
	Pressure Drop				kPa	22.0 x 2 + 30.0	22.0 + 54.0	30.0 +54.0	43.0 + 54.0
	Water Flow Rate				LPM	80.0 x 2 + 96.0	80.0 + 190.0	96.0 + 190.0	114.0 + 190.0
	Max. Pressure				Mpa	1.96	1.96	1.96	1.96
Piping Connections	Liquid Pipe				Type	Braze connection	Braze connection	Braze connection	Braze connection
					Ø, mm	19.05	19.05	19.05	19.05
					Ø, inch	3/4"	3/4"	3/4"	3/4"
	Gas Pipe				Type	Braze connection	Braze connection	Braze connection	Braze connection
					Ø, mm	34.92	34.92	34.92	34.92
					Ø, inch	1 3/8"	1 3/8"	1 3/8"	1 3/8"
	Discharge Gas Pipe				Ø, mm	28.58	28.58	28.58	28.58
					Ø, inch	1 1/8"	1 1/8"	1 1/8"	1 1/8"
	Heat insulation				-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length	ODU-IDU	Max.		m	170 (190)	170 (190)	170 (190)	170 (190)
		After branch	Max.		m	90	90	90	90
	Total piping length	System	Actual		m	300	300	300	300
	Level difference	ODU-IDU	Outdoor unit in highest position		m	50	50	50	50
			Indoor unit in highest position		m	40	40	40	40
		IDU-IDU	Max.		m	15	15	15	15
Wiring connections	Communication	Minimum			mm2	0.75	0.75	0.75	0.75
		Remark			-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type				-	R410A	R410A	R410A	R410A
	Factory Charging				kg	16.8	15.3	15.6	15.8
Sound3)*	Sound Pressure		Cooling		dB(A)	53	53	53	54
			Heating			56	55	55	55
	Sound Power					75	75	75	75
External Dimension	Net Weight				kg	160 x 3	160 + 240	160 + 240	160 + 240
	Shipping Weight				kg	167 x 3	167 + 250	167 + 250	167 + 250
	Net Dimensions (WxHxD)				mm	(770 x 1,000 x 545) x 3	770 x 1,000 x 545 + 1,100 x 1,000 x 545	770 x 1,000 x 545 + 1,100 x 1,000 x 545	770 x 1,000 x 545 + 1,100 x 1,000 x 545
	Shipping Dimensions (WxHxD)				mm	(840 x 1,200 x 620) x 3	840 x 1,200 x 620 + 1,170 x 1,200 x 620	840 x 1,200 x 620 + 1,170 x 1,200 x 620	840 x 1,200 x 620 + 1,170 x 1,200 x 620
Operating Temp. Range	Cooling				℃	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0
	Heating				℃	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0

2. Specification

Type					DVM S Water	DVM S Water	DVM S Water	DVM S Water
Model Name					AM340FXWA**	AM360FXWA**	AM380FXWA**	AM400FXWA**
	Outdoor unit module 1				AM100FXWA**	AM080FXWA**	AM080FXWA**	AM200FXWA**
	Outdoor unit module 2				AM120FXWA**	AM080FXWA**	AM100FXWA**	AM200FXWA**
	Outdoor unit module 3				AM120FXWA**	AM200FXWA**	AM200FXWA**	
	Outdoor unit module 4							
Power Supply				Ø, #, V, Hz	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60
Mode				-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP			HP	34	36	38	40
	Ton			Ton	27.07	28.66	30.26	31.85
	Capacity (Nominal)	Cooling		kW	95.2	100.8	106.4	112.0
				Btu/h	324,800	343,900	363,100	382,200
		Heating [2]*		kW	107.1	113.4	119.7	126.0
				Btu/h	365,400	386,900	408,400	429,900
		Heating [4]*		kW	-	-	-	-
				Btu/h	-	-	-	-
Maximum number of connectable indoor units				ea	62	64	64	64
	Total capacity of the connected Indoor Units 3)	Min.		kW	47.6	50.4	53.2	56.0
		Max.		kW	123.8	131.0	138.3	145.6
Power	Power Input (Nominal)	Cooling [1]*		kW	17.97	18.45	19.66	21.54
		Heating [2]*			18.27	19.10	20.23	21.72
		Heating [4]*			-	-	-	-
	Current Input (Nominal)	Cooling [1]*		A	28.7	29.7	31.6	34.6
		Heating [2]*			29.2	30.6	32.4	34.6
	Current	Minimum Ssc value		MVA	13.5	15.5	15.5	15.4
		MCA		A	56.1	64.0	64.0	63.6
		MFA		A	63.0	75.0	75.0	75.0
COP	Nominal Cooling [1]*			W/W	5.30	5.46	5.41	5.20
	Nominal Heating [2]*			W/W	5.86	5.94	5.92	5.80
	Nominal Heating [4]*			W/W	-	-	-	-
Casing	Material	cabinet		-	EGI steel plate	EGI steel plate	EGI steel plate	EGI steel plate
		Base		-	EGI steel plate	EGI steel plate	EGI steel plate	EGI steel plate
Compressor	Type			-	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Output			kW × n	(4.96) x 1 + (6.13) x 2	(4.96) x 4	(4.96) x 4	(4.96) x 4
	Model Name			-	DS-GB052FAVBSG x 1 + DS-GB066FAVBSG x 2	DS-GB052FAVBSG x 4	DS-GB052FAVBSG x 4	DS-GB052FAVBSG x 4
	Oil	Type		-	PVE	PVE	PVE	PVE
		Initial Charge		Liter	3.9 x 3	(3.9 x 2)+6.2	(3.9 x 2)+6.2	(3.9 x 2)+6.2
Condenser	Type			Type	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)
	Pipe Size			Ø, inch	PT 1-1/4 x 3	PT 1-1/4 x 3	PT 1-1/4 x 3	PT 1-1/4 x 2
	Pressure Drop			kPa	30.0 + 43.0 x 2	22.0 x 2 + 54.0	22.0 + 30.0 + 54.0	54.0 x 2
	Water Flow Rate			LPM	96.0 + 114.0 x 2	80.0 x 2 + 190.0	80.0 + 96.0 +190.0	190.0 x 2
	Max. Pressure			Mpa	1.96	1.96	1.96	1.96
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection	Braze connection
				Ø, mm	19.05	19.05	19.05	19.05
				Ø, inch	3/4"	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection	Braze connection
				Ø, mm	34.92	41.28	41.28	41.28
				Ø, inch	1 3/8"	1 5/8"	1 5/8"	1 5/8"
	Discharge Gas Pipe			Ø, mm	28.58	34.92	34.92	34.92
				Ø, inch	1 1/8"	1 3/8"	1 3/8"	1 3/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length	ODU-IDU	Max.	m	170 (190)	170 (190)	170 (190)	170 (190)
		After branch	Max.	m	90	90	90	90
	Total piping length	System	Actual	m	300	300	300	300
	Level difference	ODU-IDU	Outdoor unit in highest position	m	50	50	50	50
			Indoor unit in highest position	m	40	40	40	40
		IDU-IDU	Max.	m	15	15	15	15
Wiring connections	Communication	Minimum		mm2	0.75	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	17.8	20.8	21.1	19.6
Sound[3]*	Sound Pressure		Cooling	dB(A)	54	54	54	54
			Heating		56	56	56	55
	Sound Power				75	76	76	76
External Dimension	Net Weight			kg	160 x 3	160 x 2 + 240	160 x 2 + 240	240 x 2
	Shipping Weight			kg	167 x 3	167 x 2 + 250	167 x 2 + 250	250 x 2
	Net Dimensions (WxHxD)			mm	(770 x 1,000 x 545) x 3	(770 x 1,000 x 545) x 2 + 1,100 x 1,000 x 545	(770 x 1,000 x 545) x 2 + 1,100 x 1,000 x 545	(1,100 x 1,000 x 545) x 2
	Shipping Dimensions (WxHxD)			mm	(840 x 1,200 x 620) x 3	(840 x 1,200 x 620) x 2 + 1,170 x 1,200 x 620	(840 x 1,200 x 620) x 2 + 1,170 x 1,200 x 620	(1,170 x 1,200 x 620) x 2
Operating Temp. Range	Cooling			℃	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0
	Heating			℃	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0

2. Specification

Type					DVM S Water	DVM S Water	DVM S Water	DVM S Water
Model Name					AM420FXWA**	AM440FXWA**	AM480FXWA**	AM500FXWA**
	Outdoor unit module 1				AM100FXWA**	AM120FXWA**	AM080FXWA**	AM100FXWA**
	Outdoor unit module 2				AM120FXWA**	AM120FXWA**	AM200FXWA**	AM200FXWA**
	Outdoor unit module 3				AM200FXWA**	AM200FXWA**	AM200FXWA**	AM200FXWA**
	Outdoor unit module 4							
Power Supply				Ø, #, V, Hz	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60
Mode				-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP			HP	42	44	48	50
	Ton			Ton	33.44	35.03	38.22	39.81
	Capacity (Nominal)	Cooling		kW	117.6	123.2	134.4	140.0
				Btu/h	401,300	420,400	458,600	477,700
		Heating [2]*		kW	132.3	138.6	151.2	157.5
				Btu/h	451,400	472,900	515,900	537,400
		Heating [4]*		kW	-	-	-	-
				Btu/h	-	-	-	-
Maximum number of connectable indoor units				ea	64	64	64	64
	Total capacity of the connected Indoor Units 3)	Min.		kW	58.8	61.6	67.2	70.0
		Max.		kW	152.9	160.2	174.7	182.0
Power	Power Input (Nominal)	Cooling [1]*		kW	22.28	23.69	25.38	26.59
		Heating [2]*			22.62	23.88	25.84	26.97
		Heating [4]*			-	-		
	Current Input (Nominal)	Cooling [1]*		A	35.7	37.9	40.8	42.7
		Heating [2]*			36.2	38.2	41.4	43.2
	Current	Minimum Ssc value		MVA	16.4	17.3	19.3	19.3
		MCA		A	67.9	71.8	79.7	79.7
		MFA		A	75.0	80.0	90.0	90.0
COP	Nominal Cooling [1]*			W/W	5.28	5.20	5.30	5.27
	Nominal Heating [2]*			W/W	5.85	5.80	5.85	5.84
	Nominal Heating [4]*			W/W	-	-		
Casing	Material	cabinet		-	EGI steel plate	EGI steel plate	EGI steel plate	EGI steel plate
		Base		-	EGI steel plate	EGI steel plate	EGI steel plate	EGI steel plate
Compressor	Type			-	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Output			kW × n	(4.96) x 3 + (6.13) x 1	(4.96) x 2 + (6.13) x 2	(4.96) x 5	(4.96) x 5
	Model Name			-	DS-GB052FAVBSG x 3 + DS-GB066FAVBSG x 1	DS-GB052FAVBSG x 2 + DS-GB066FAVBSG x 2	DS-GB052FAVBSG x 5	DS-GB052FAVBSG x 5
	Oil	Type		-	PVE	PVE	PVE	PVE
		Initial Charge		Liter	(3.9 x 2)+6.2	(3.9 x 2)+6.2	3.9+(6.2 x 2)	3.9+(6.2 x 2)
Condenser	Type			Type	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)
	Pipe Size			Ø, inch	PT 1-1/4 x 3	PT 1-1/4 x 3	PT 1-1/4 x 3	PT 1-1/4 x 3
	Pressure Drop			kPa	30.0 + 43.0 + 54.0	43.0 x 2 + 54.0	22.0 +54.0 x 2	30.0 + 54.0 x 2
	Water Flow Rate			LPM	96.0 + 114.0 + 190.0	114.0 x 2 + 190.0	80.0 +190.0 x 2	96.0 + 190.0 x 2
	Max. Pressure			Mpa	1.96	1.96	1.96	1.96
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection	Braze connection	Braze connection
				Ø, mm	19.05	19.05	19.05	19.05
				Ø, inch	3/4"	3/4"	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection	Braze connection	Braze connection
				Ø, mm	41.28	41.28	41.28	41.28
				Ø, inch	1 5/8"	1 5/8"	1 5/8"	1 5/8"
	Discharge Gas Pipe			Ø, mm	34.92	34.92	34.92	34.92
				Ø, inch	1 3/8"	1 3/8"	1 3/8"	1 3/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length	ODU-IDU	Max.	m	170 (190)	170 (190)	170 (190)	170 (190)
		After branch	Max.	m	90	90	90	90
	Total piping length	System	Actual	m	300	300	300	300
	Level difference	ODU-IDU	Outdoor unit in highest position	m	50	50	50	50
			Indoor unit in highest position	m	40	40	40	40
		IDU-IDU	Max.	m	15	15	15	15
Wiring connections	Communication	Minimum		mm2	0.75	0.75	0.75	0.75
		Remark		-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	21.6	21.8	25.1	25.4
Sound[3]*	Sound Pressure		Cooling	dB(A)	55	55	55	55
			Heating		56	57	56	56
	Sound Power				76	76	77	77
External Dimension	Net Weight			kg	160 x 2 + 240	160 x 2 + 240	160 + 240 x 2	160 + 240 x 2
	Shipping Weight			kg	167 x 2 + 250	167 x 2 + 250	167 + 250 x 2	167 + 250 x 2
	Net Dimensions (WxHxD)			mm	(770 x 1,000 x 545) x 2 + 1,100 x 1,000 x 545	(770 x 1,000 x 545) x 2 + 1,100 x 1,000 x 545	770 x 1,000 x 545 + (1,100 x 1,000 x 545) x 2	770 x 1,000 x 545 + (1,100 x 1,000 x 545) x 2
	Shipping Dimensions (WxHxD)			mm	(840 x 1,200 x 620) x 2 + 1,170 x 1,200 x 620	(840 x 1,200 x 620) x 2 + 1,170 x 1,200 x 620	840 x 1,200 x 620 + (1,170 x 1,200 x 620) x 2	840 x 1,200 x 620 + (1,170 x 1,200 x 620) x 2
Operating Temp. Range	Cooling			℃	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0
	Heating			℃	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0

2. Specification

Type					DVM S Water	DVM S Water
Model Name					AM520FXWA∗∗	AM600FXWA∗∗
	Outdoor unit module 1				AM120FXWA∗∗	AM200FXWA∗∗
	Outdoor unit module 2				AM200FXWA∗∗	AM200FXWA∗∗
	Outdoor unit module 3				AM200FXWA∗∗	AM200FXWA∗∗
	Outdoor unit module 4					
Power Supply				Ø, #, V, Hz	3,4,380-415,50/60	3,4,380-415,50/60
Mode				-	HEAT RECOVERY	HEAT RECOVERY
Performance	HP			HP	52	60
	Ton			Ton	41.4	47.77
	Capacity (Nominal)	Cooling		kW	145.6	168.0
				Btu/h	496,800	573,200
		Heating 2)*		kW	163.8	189.0
				Btu/h	558,900	644,900
		Heating 4)*		kW	-	-
				Btu/h	-	-
Maximum number of connectable indoor units				ea	64	64
	Total capacity of the connected Indoor Units 3)	Min.		kW	72.8	84.0
		Max.		kW	189.3	218.4
Power	Power Input (Nominal)	Cooling 1)*		kW	28.00	32.31
		Heating 2)*			28.23	32.58
		Heating 4)*			-	-
	Current Input (Nominal)	Cooling 1)*		A	44.9	51.9
		Heating 2)*			45.2	52.2
	Current	Minimum Ssc value		MVA	20.2	23.1
		MCA		A	83.6	95.4
		MFA		A	100.0	125.0
COP	Nominal Cooling 1)*			W/W	5.20	5.20
	Nominal Heating 2)*			W/W	5.80	5.80
	Nominal Heating 4)*			W/W	-	-
Casing	Material	cabinet		-	EGI steel plate	EGI steel plate
		Base		-	EGI steel plate	EGI steel plate
Compressor	Type			-	Inverter Scroll	Inverter Scroll
	Output			kW × n	(4.96) x 4 + (6.13) x 1	(4.96) x 6
	Model Name			-	DS-GB052FAVBSG x 4 + DS-GB066FAVBSG x 1	DS-GB052FAVBSG x 6
	Oil	Type		-	PVE	PVE
		Initial Charge		Liter	3.9+(6.2 x 2)	6.2 x 3
Condenser	Type			Type	PHE(Plate Heat Exchanger)	PHE(Plate Heat Exchanger)
	Pipe Size			Ø, inch	PT 1-1/4 x 3	PT 1-1/4 x 3
	Pressure Drop			kPa	43.0 + 54.0 x 2	54.0 x 3
	Water Flow Rate			LPM	114.0 + 190.0 x 2	190.0 x 3
	Max. Pressure			Mpa	1.96	1.96
Piping Connections	Liquid Pipe			Type	Braze connection	Braze connection
				Ø, mm	19.05	19.05
				Ø, inch	3/4"	3/4"
	Gas Pipe			Type	Braze connection	Braze connection
				Ø, mm	41.28	41.28
				Ø, inch	1 5/8"	1 5/8"
	Discharge Gas Pipe			Ø, mm	34.92	34.92
				Ø, inch	1 3/8"	1 3/8"
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length	ODU-IDU	Max.	m	170 (190)	170 (190)
		After branch	Max.	m	90	90
	Total piping length	System	Actual	m	300	300
	Level difference	ODU-IDU	Outdoor unit in highest position	m	50	50
			Indoor unit in highest position	m	40	40
		IDU-IDU	Max.	m	15	15
Wiring connections	Communication	Minimum		mm2	0.75	0.75
		Remark		-	F1, F2	F1, F2
Refrigerant	Type			-	R410A	R410A
	Factory Charging			kg	25.6	29.4
Sound 3)*	Sound Pressure		Cooling	dB(A)	55	56
			Heating		57	57
	Sound Power				77	78
External Dimension	Net Weight			kg	160 + 240 x 2	240 x 3
	Shipping Weight			kg	167 + 250 x 2	250 x 3
	Net Dimensions (WxHxD)			mm	770 x 1,000 x 545 + (1,100 x 1,000 x 545) x 2	(1,100 x 1,000 x 545) x 3
	Shipping Dimensions (WxHxD)			mm	840 x 1,200 x 620 + (1,170 x 1,200 x 620) x 2	(1,170 x 1,200 x 620) x 3
Operating Temp. Range	Cooling			℃	10.0 ~ 45.0	10.0 ~ 45.0
	Heating			℃	10.0 ~ 45.0	10.0 ~ 45.0

2. Specification

NOTE

- Specification may be subject to change without prior notice.
- 1)* Nominal cooling capacities are based on;
  - Indoor temperature : 27°C DB, 19°C WB, Inlet water temperature : 30°C, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- 2)* Nominal heating capacities are based on;
  - Indoor temperature : 20°C DB, 15°C WB, Inlet water temperature : 20°C, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- 3)* Sound power level is an absolute value that a sound source generates.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound values are obtained in an anechoic room.
  - Sound values of multi comvination are theoretical values based on sound results of individual installed units.
- 4)* Nominal heating capacityes are based on Eurovent test conditions:
  - Indoor temperature : 20°C DB, 15°C WB, Inlet water temperature : 10°C, Outlet water temperature : 7°C, Equivalent refrigerant piping : 7.5m, Level differences : 0m
- These products contain R410A which is fluorinated greenhouse gas.
- Total capacity of the connected indoor units can be allowed from 50% to 130% of the total outdoor unit capacity. $0.5 \times \sum$(Outdoor unit capacity) ≤ Total capacity of the connected indoor units ≤ $1.3 \times \sum$(Outdoor unit capacity)
- You can connect maximum 64 indoor units to the outdoor unit. Maximum quantity of connectable indoor unit is set to 64 since outdoor unit only support up to 64 communication address. Indoor unit address can be assigned from indoor unit address was assigned from 64~79, E201 error will occur.0~63. If the If the indoor unit address was assigned from 64~79, E201 error will occur.

3. Electric Characteristics

Capacity		Model	Power Supply		Voltage Range		Nominal Running Current [A]		Current [A]	
			Hz	Voltage	Min.	Max.				
HP	kW				(-10%)	(+10%)	Cooling	Heating	MCA	MFA
8	22.4	AM080FXWA✳✳	50/60	380~415	342	456	6.2	6.6	16.1	20.0
10	28.0	AM100FXWA✳✳	50/60	380~415	342	456	8.1	8.4	16.1	20.0
12	33.6	AM120FXWA✳✳	50/60	380~415	342	456	10.3	10.4	20.0	25.0
16	44.8	AM160FXWA✳✳	50/60	380~415	342	456	12.4	13.2	31.8	40.0
18	50.4	AM180FXWA✳✳	50/60	380~415	342	456	14.3	15.0	32.2	40.0
20	56.0	AM200FXWA✳✳	50/60	380~415	342	456	17.3	17.4	32.2	40.0
22	61.6	AM220FXWA✳✳	50/60	380~415	342	456	18.4	18.8	36.1	40.0
24	67.2	AM240FXWA✳✳	50/60	380~415	342	456	20.6	20.8	40.0	50.0
26	72.8	AM260FXWA✳✳	50/60	380~415	342	456	20.5	21.6	48.3	63.0
28	78.4	AM280FXWA✳✳	50/60	380~415	342	456	23.5	24.0	47.9	63.0
30	84.0	AM300FXWA✳✳	50/60	380~415	342	456	25.4	25.8	47.9	63.0
32	89.6	AM320FXWA✳✳	50/60	380~415	342	456	27.6	27.8	51.8	63.0
34	95.2	AM340FXWA✳✳	50/60	380~415	342	456	28.7	29.2	56.1	63.0
36	100.8	AM360FXWA✳✳	50/60	380~415	342	456	29.7	30.6	64.0	75.0
38	106.4	AM380FXWA✳✳	50/60	380~415	342	456	31.6	32.4	64.0	75.0
40	112.0	AM400FXWA✳✳	50/60	380~415	342	456	34.6	34.6	63.6	75.0
42	117.6	AM420FXWA✳✳	50/60	380~415	342	456	35.7	36.2	67.9	75.0
44	123.2	AM440FXWA✳✳	50/60	380~415	342	456	37.9	38.2	71.8	80.0
48	134.4	AM480FXWA✳✳	50/60	380~415	342	456	40.8	41.4	79.7	90.0
50	140.0	AM500FXWA✳✳	50/60	380~415	342	456	42.7	43.2	79.7	90.0
52	145.6	AM520FXWA✳✳	50/60	380~415	342	456	44.9	45.2	83.6	100.0
60	168.0	AM600FXWA✳✳	50/60	380~415	342	456	51.9	52.2	95.4	125.0

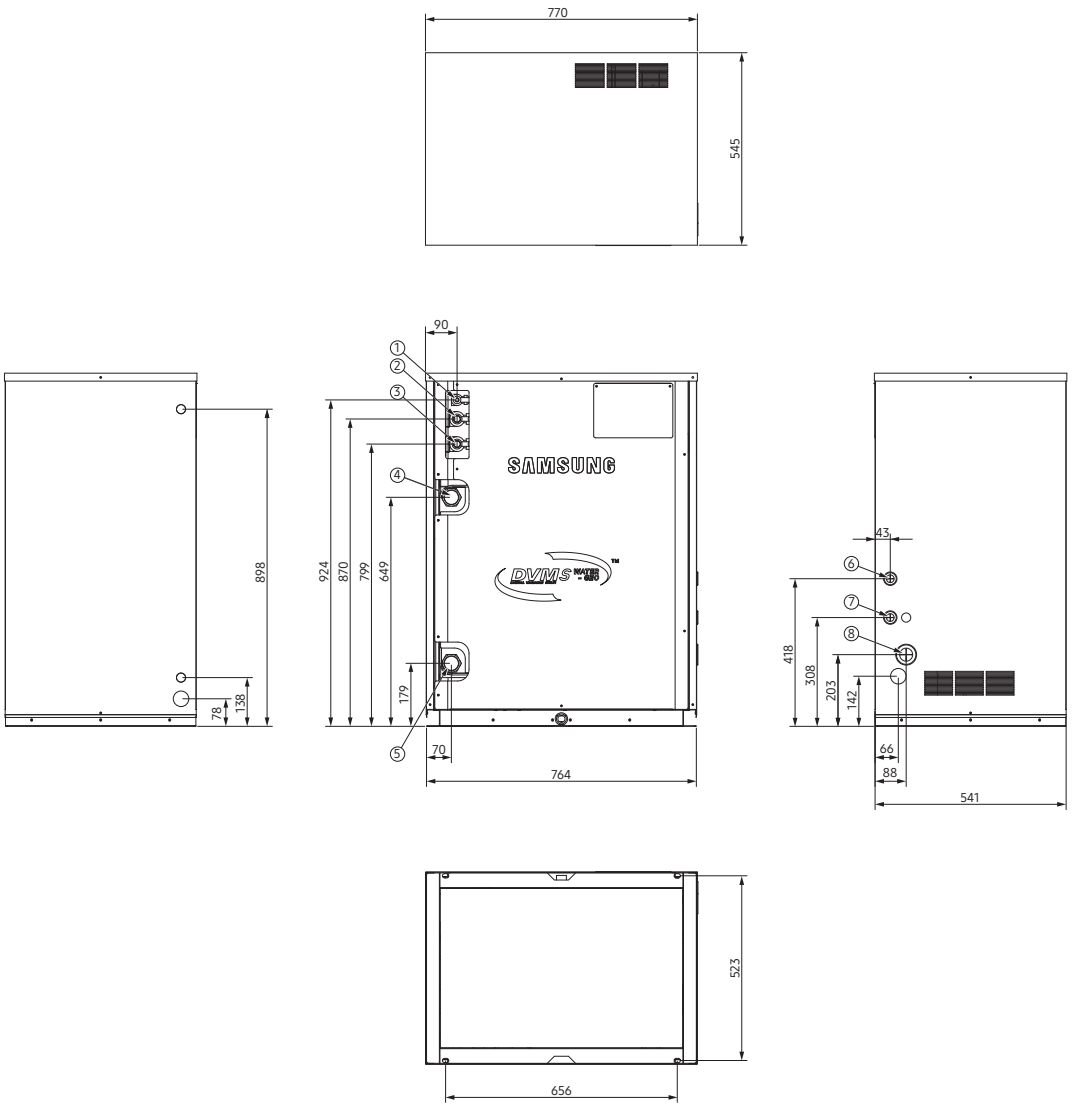
NOTE

- MCA: Mimium circuit amperes
- MFA: Maximum fuse amperes
- Select wire size based on the value of MCA

4. Dimensional Drawing

AM080/100/120FXWA✳✳ (8, 10, 12HP)

Unit : mm

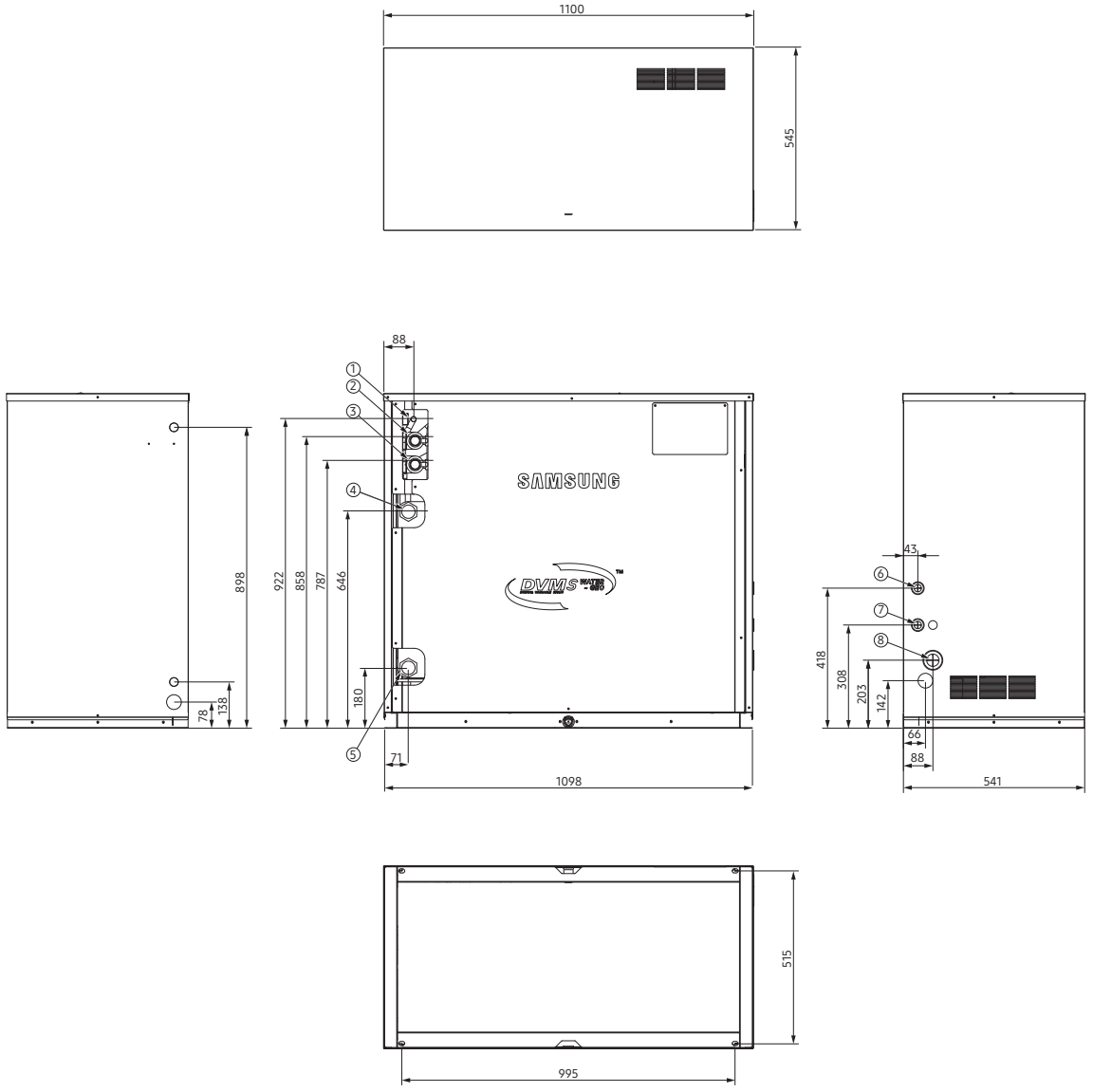


No.	Name	Description			No.	Name	Description		
		8HP	10HP	12HP			8HP	10HP	12HP
①	Liquid ref. pipe	9.52 (3/8")	9.52 (3/8")	12.70 (1/2")	⑤	Water inlet pipe	PT 1-1/4		
②	High pressure gas ref. pipe	15.88 (5/8")	19.05 (3/4")	19.05 (3/4")	⑥	Communication wiring	-		
③	Low pressure gas ref. pipe	19.05 (3/4")	22.22 (7/8")	28.58 (1 1/8")	⑦	External contact wiring	-		
④	Water outlet pipe	PT 1-1/4			⑧	Power wiring	-		

4. Dimensional Drawing

AM200FXWA✳✳ (20HP)

Unit : mm

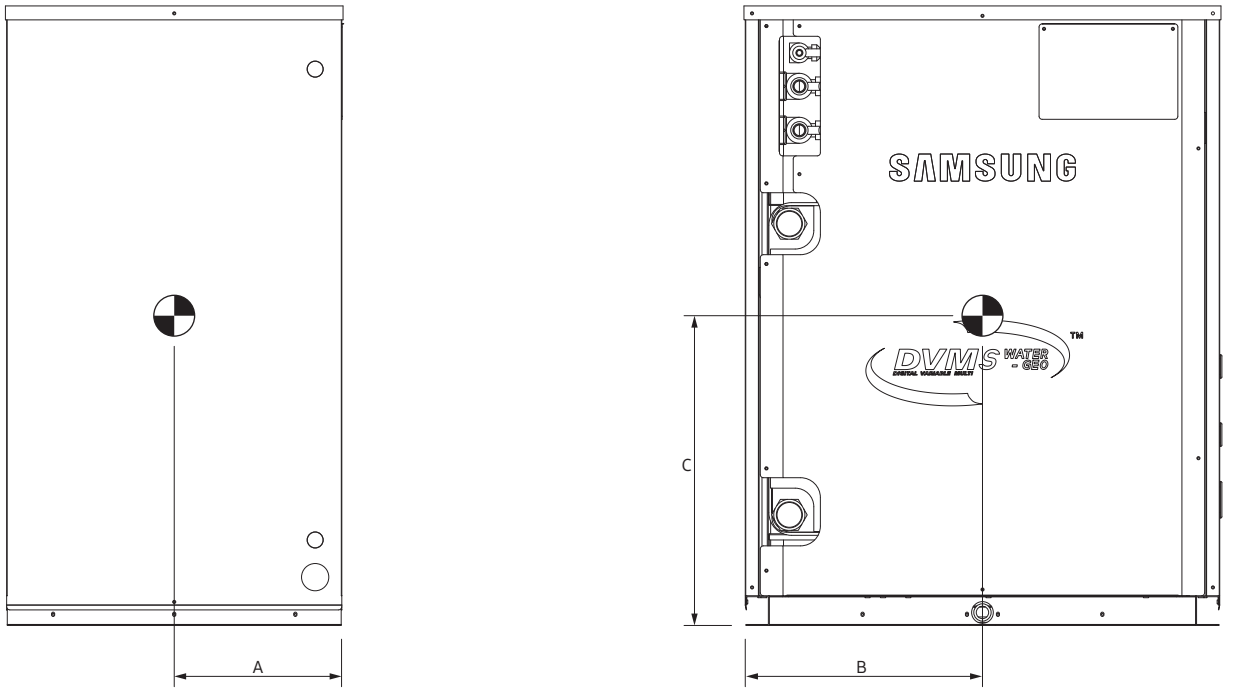


No.	Name	Description	No.	Name	Description
①	Liquid ref. pipe	15.88 (5/8")	⑤	Water inlet pipe	PT 1-1/4
②	High pressure gas ref. pipe	28.58 (1 1/8")	⑥	Communication wiring	-
③	Low pressure gas ref. pipe	28.58 (1 1/8")	⑦	External contact wiring	-
④	Water outlet pipe	PT 1-1/4	⑧	Power wiring	-

5. Center of Gravity

AM080/100/120FXWA✳✳ (8, 10, 12HP)

Unit : mm

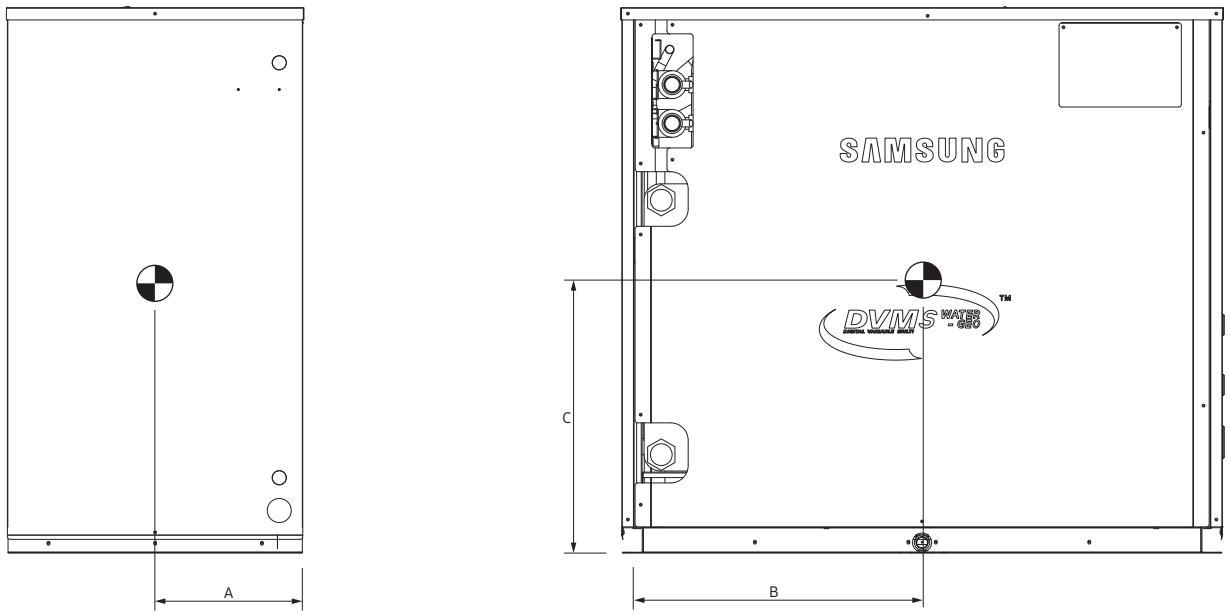


Model	A	B	C
AM080/100/120FXWA✳✳	211	345	353

5. Center of Gravity

AM200FXWA✳✳ (20HP)

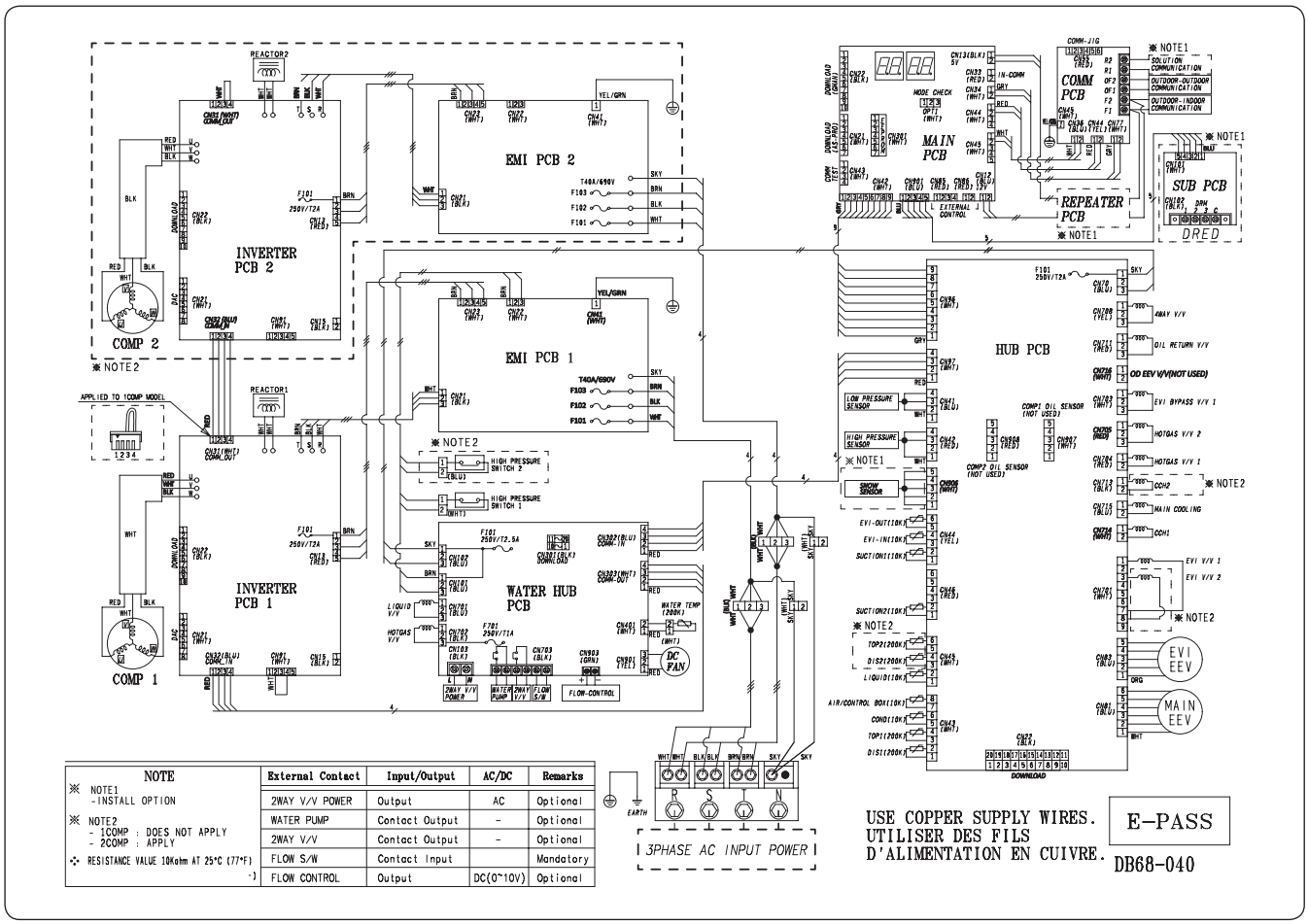
Unit : mm



Model	A	B	C
AM200FXWA✳✳	210	476	362

6. Electrical Wiring Diagram

AM✳✳✳FXWA✳✳



NOTE	External Contact	Input/Output	AC/DC	Remarks
※ NOTE1 -INSTALL OPTION	2WAY V/V POWER	Output	AC	Optional
※ NOTE2 - 1COMP : DOES NOT APPLY - 2COMP : APPLY	WATER PUMP	Contact Output	-	Optional
❖ RESISTANCE VALUE 10Kohm AT 25°C (77°F)	2WAY V/V	Contact Output	-	Optional
	FLOW S/W	Contact Input		Mandatory
	FLOW CONTROL	Output	DC(0~10V)	Optional

INVERTER PCB1	Printed circuit board (Inverter PBA1)	EEV1	Electrical Expansion Valve 1	HOTGAS V/V 1	Solenoid Valve (Hot Gas Bypass1)
INVERTER PCB2	Printed circuit board (Inverter PBA2)	EEV2	Electrical Expansion Valve 2	HOTGAS V/V 2	Solenoid Valve (Hot Gas Bypass2)
EMI PCB1	Printed circuit board (Noise Filter1)	EVI-OUT (10K)	Temp. Sensor (EVI-out_10kohm)	EVI BYPASS V/V 1	Solenoid Valve (EVI Bypass)
EMI PCB2	Printed circuit board (Noise Filter2)	EVI-IN (10K)	Temp. Sensor (EVI-in_10Kohm)	OIL RETURN V/V	Solenoid Valve (Accumulator Oil Return)
WATER HUB PCB	Printed circuit board (Water related load control)	COMP SUCTION1 (10K)	Temp. Sensor (COMP Suction TEMP. 1_10Kohm)	4WAY V/V	Solenoid Valve (4Way Valve)
MAIN PCB	Printed circuit board (main)	COMP SUCTION2 (10K)	Temp. Sensor (COMP Suction TEMP. 2_10Kohm)	CCH1	Crank Case Heater (COMP1)
HUB PCB	Printed circuit board (hub)	CONTROL BOX TEMP	Temp. Sensor (Inside TEMP. of Control Box _10Kohm)	CCH2	Crank Case Heater (COMP2)
COMM PCB	Printed circuit board (Communication)	CONDENSER OUT (10K)	Temp. Sensor (Condenser Out Temp._10Kohm)	MAIN COOLING	Solenoid Valve (Main Cooling)
COMP 1	Motor (Compressor1)	COMP TOP1 (200K)	Temp. Sensor (Compressor1_200Kohm)	F101 250V/T2A	FUSE (INVERTER PBA)
COMP 2	Motor (Compressor2)	COMP TOP2 (200K)	Temp. Sensor (Compressor2_200Kohm)	690V/T40A	FUSE (NOISE FILTER)
EVI V/V 1	Solenoid Valve (EVI 1)	DISCHARGE1 (200K)	Temp. Sensor (COMP Discharge.1_200Kohm)	F101 250V/T2.5A	FUSE (WATER HUB)
EVI V/V 2	Solenoid Valve (EVI 2)	DISCHARGE2 (200K)	Temp. Sensor (COMP Dischager.2_200Kohm)	F701 250V/T1A	FUSE (WATER HUB)
EVI EEV	Enhanced Vapor Injection Electrical Expansion Valve	LIQUID TUBE (10K)	TEMP. Sensor (Liquid Tube Temp._10Kohm)		

NOTE

- This wiring diagram applies only to the water-cooled DVM S Water.
- Colors BLK: black, RED: red, BLU: blue, WHT: white, YEL: yellow, BRN: brown, SKY: skyblue
- When operating, don't short circuit the protection device (High Pressure switch)
- For connection wiring indoor-outdoor transmission F1-F2, outdoor-outdoor transmission OF1-OF2, refer to the installation manual.
- ⏚ Protective earth (screw) , ▭▭▭ connector, N : The wire quantity

7. Sound Level

Summary

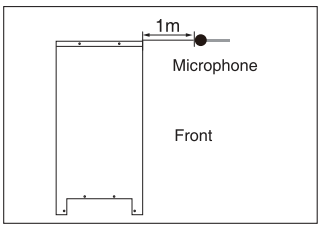
Capacity		Model	Sound Pressure dB(A)		Sound Power
HP	KW		Cooling	Heating	(dBA)
8	22.4	AM080FXWA✳✳	48	51	70
10	28	AM100FXWA✳✳	48	51	70
12	33.6	AM120FXWA✳✳	50	52	70
16	44.8	AM160FXWA✳✳	51	54	73
18	50.4	AM180FXWA✳✳	51	54	73
20	56	AM200FXWA✳✳	51	52	73
22	61.6	AM220FXWA✳✳	52	55	73
24	67.2	AM240FXWA✳✳	53	55	73
26	72.8	AM260FXWA✳✳	53	56	75
28	78.4	AM280FXWA✳✳	53	55	75
30	84	AM300FXWA✳✳	53	55	75
32	89.6	AM320FXWA✳✳	54	55	75
34	95.2	AM340FXWA✳✳	54	56	75
36	100.8	AM360FXWA✳✳	54	56	76
38	106.4	AM380FXWA✳✳	54	56	76
40	112	AM400FXWA✳✳	54	55	76
42	117.6	AM420FXWA✳✳	55	56	76
44	123.2	AM440FXWA✳✳	55	57	76
48	134.4	AM480FXWA✳✳	55	56	77
50	140	AM500FXWA✳✳	55	56	77
52	145.6	AM520FXWA✳✳	55	57	77
60	168	AM600FXWA✳✳	56	57	78

NOTE

- Sound Pressure Level
  - Sound Pressure level is obtained in an anechoic room.
  - Sound Pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound Pressure level may differ depending on operation condition.
  - dBA = A-weighted sound power level.
  - Reference acoustic pressure 0 dB = 20μPa
- Sound Power Level
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power: 1pW.
  - Measured according to ISO 3741.

7. Sound Data

Sound Pressure level

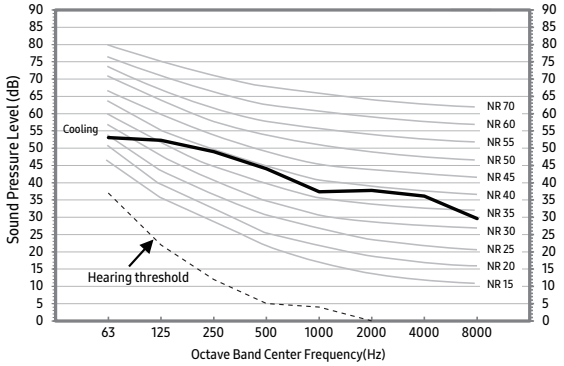


Unit: dB(A)

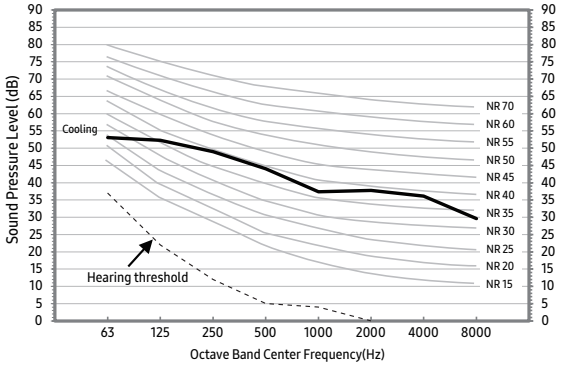
Model	Cooling
AM080FXWA✳✳	48
AM100FXWA✳✳	48
AM120FXWA✳✳	50
AM200FXWA✳✳	51

NR Curve

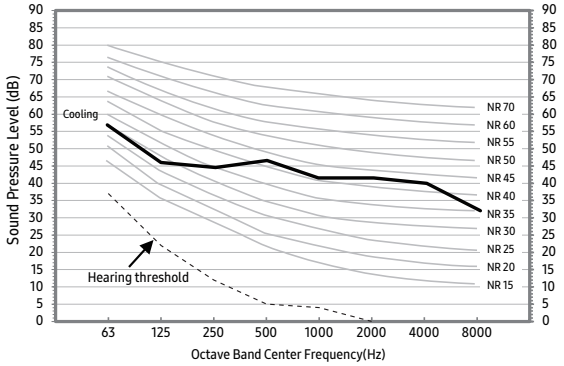
1) AM080FXWA✳✳



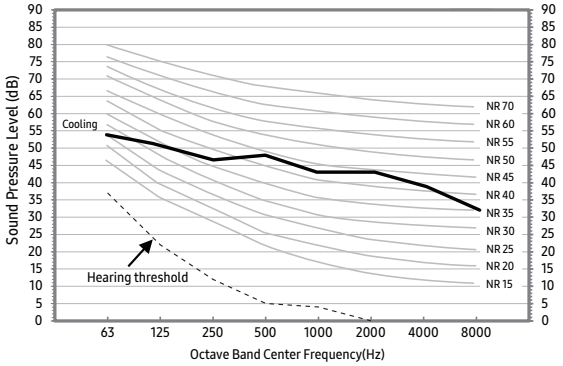
2) AM100FXWA✳✳



3) AM120FXWA✳✳



4) AM200FXWA✳✳



NOTE

- Specifications may be subject to change without prior notice.
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level.
  - Reference acoustic pressure o dB = 20μPa.

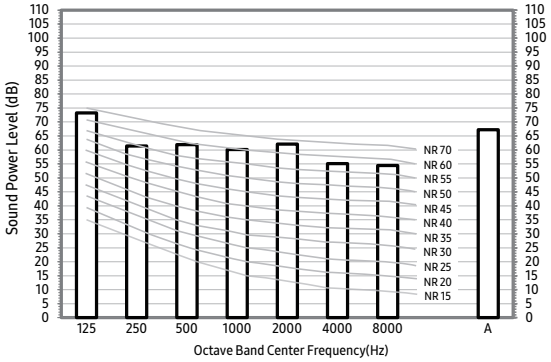
7. Sound Data

Sound Power Level

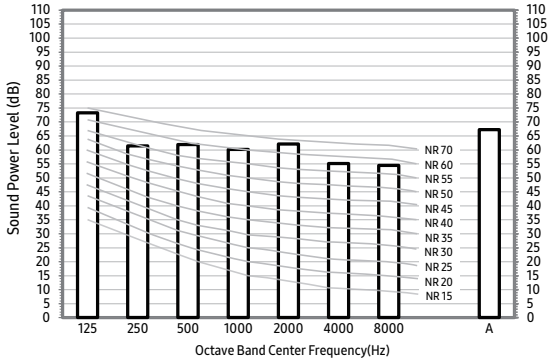
Unit: dB(A)

Model	Power
AM080FXWA✳✳	70
AM100FXWA✳✳	70
AM120FXWA✳✳	70
AM200FXWA✳✳	73

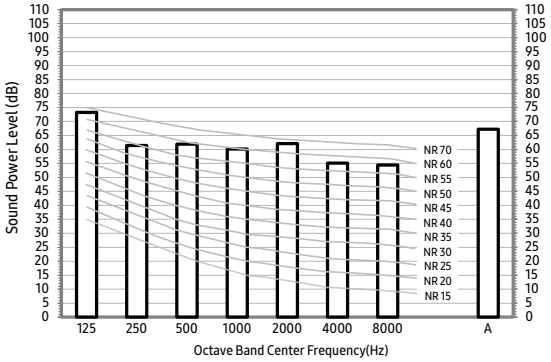
1) AM080FXWA✳✳



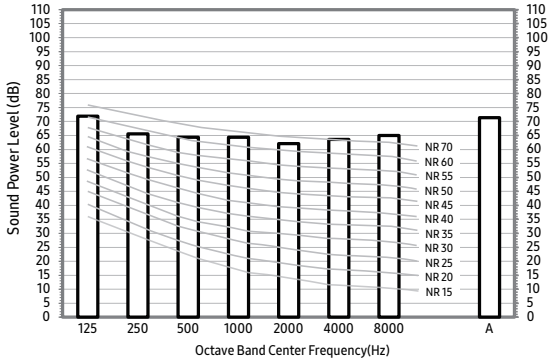
2) AM100FXWA✳✳



3) AM120FXWA✳✳



4) AM200FXWA✳✳

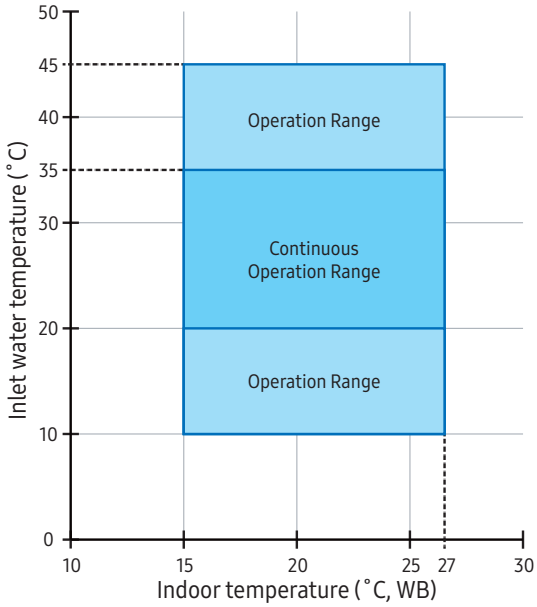


NOTE

- Specifications may be subject to change without prior notice.
  - Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level.
  - Reference power: 1pW.
  - Measured according to ISO 3741.

8. Operating Range

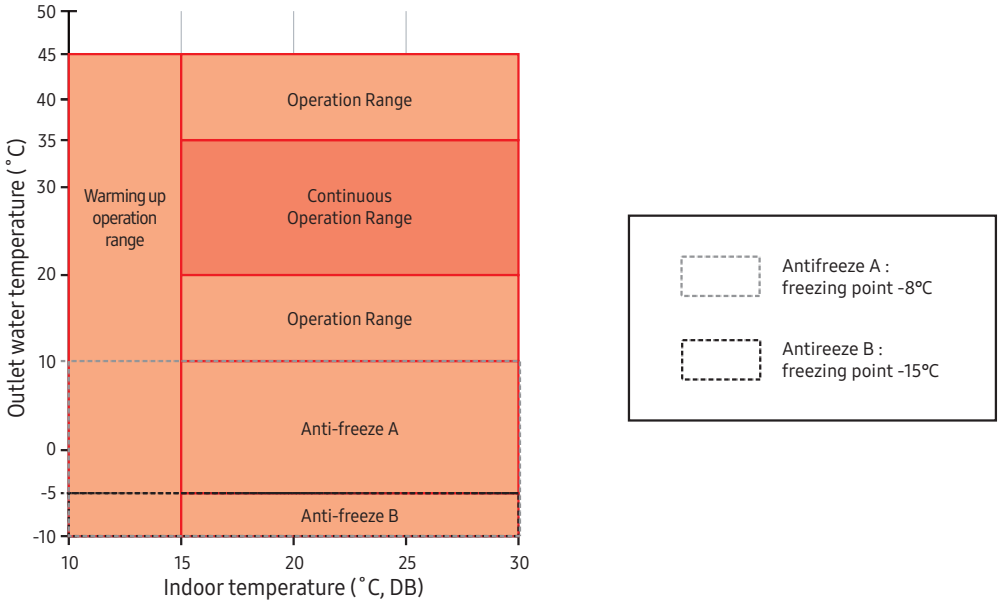
Cooling



NOTE

- In the range except for the continuous operation range, the protection control can be active depending on the heat source flow rate. (It is not a failure but a way of cycle protection against hot or cold water.)

Heating

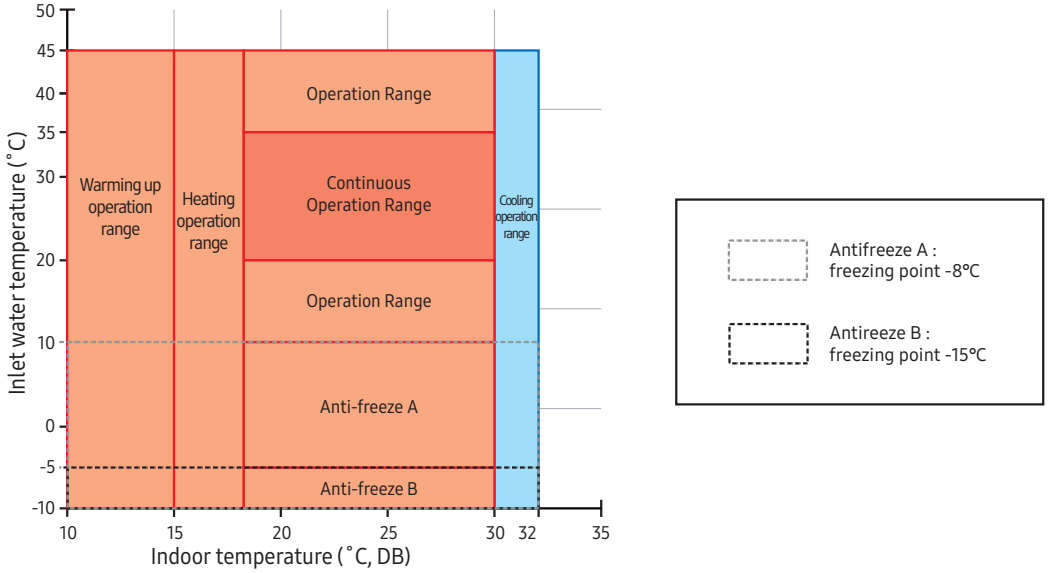


NOTE

- In the range except for the continuous operation range, the protection control can be active depending on the heat source flow rate. (It is not a failure but a way of cycle protection against hot or cold water.)
- For use in the antifreeze condition, the antifreeze concentration must be rigidly managed.

8. Operating Range

Heat Recovery



NOTE

- In the range except for the continuous operation range, the protection control can be active depending on the heat source flow rate. (It is not a failure but a way of cycle protection against hot or cold water.)
- For use in the antifreeze condition, the antifreeze concentration must be rigidly managed.

Design standard

Type	Circulating water	Operation	Intel water temperature (℃)		
			Standard	Main usage	Operation limit
Heat source water	Water loop	Cooling	30	20~35	10~45
		Heating	20	20~35	
Ground heat source [1]	Ground water	Cooling	15	15~35	Cooling: 10~45 Heating: -5~45 (Heating: -5~45)[2]
		Heating	10	5~25	
	Ground loop	Cooling	25	15~35	
		Heating	5	5~25	

1) Anti-freeze must be used when temperature of water inlet for heating is below 10°C or ground heat is used. Maintain approprate concentation level of anti-freeze according to temperature of water inlet.

2) Strict management of anti-freeze concentration level is required. Consult Samsung before application.

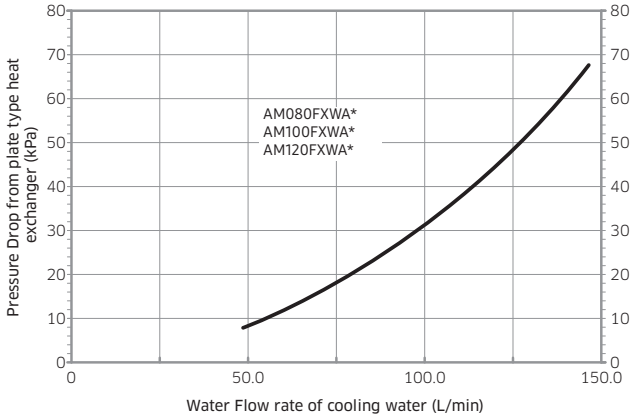
Anti-freeze standard

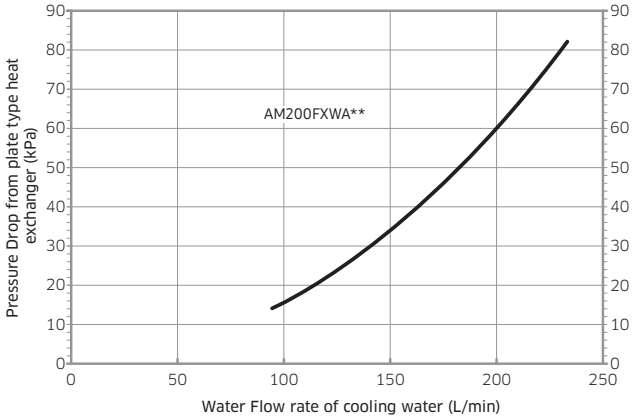
Type of anti-freeze (Based on 15℃)	Concentration [% Wt.]	Freezing temperature [℃]	Density [kg/m³]
Methanol	10	-5.6	983.6
	20	-11.7	975.6
Ethanol	10	-3.9	983.6
	20	-8.3	972.4
Ethylene glycol	10	-3.2	1014.87
	20	-7.8	1031.39
	30	-14.1	1047.07
	40	-22.3	1061.65
Propylene glycol	10	-3.3	1009.75
	20	-7.1	1020.91
	30	-12.7	1030.51
	40	-21.1	1038.65

8. Operating Range

Water Flow rate

Section	Water Flow Rate (LPM)			
	8HP	10HP	12HP	20HP
Standard condition	80	96	114	190
Operation range	48~96	58~115	68~137	114~228



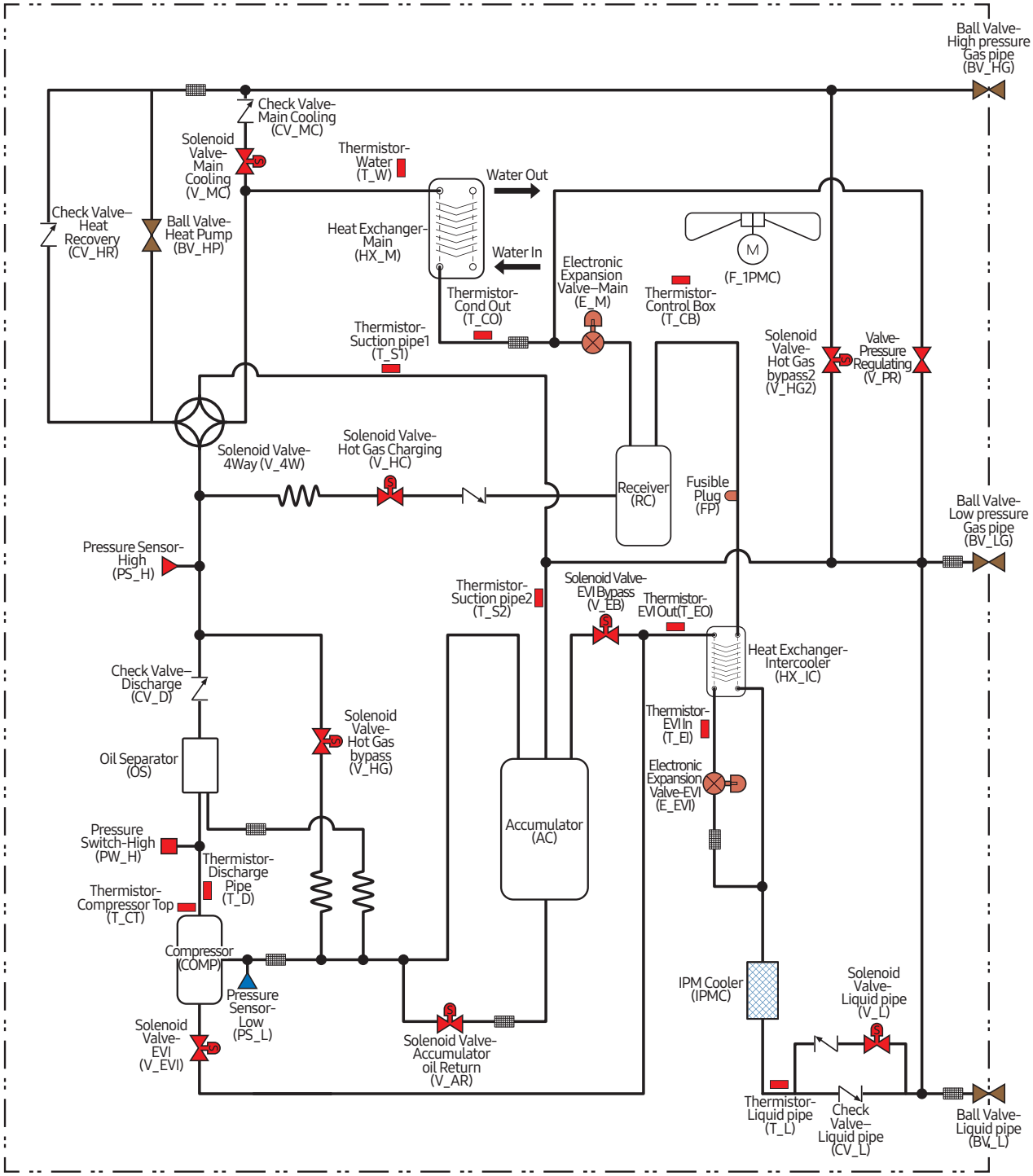


NOTE

- When the water flow rate is out of the operation range, stop the outdoor unit and take care of the cause before restarting the operation. (Allowable range: 60~120% of the standard water flow rate)
- For the piping work, set the pump capacity considering the pressure drop of the plate heat exchanger to maintain a proper flow rate.

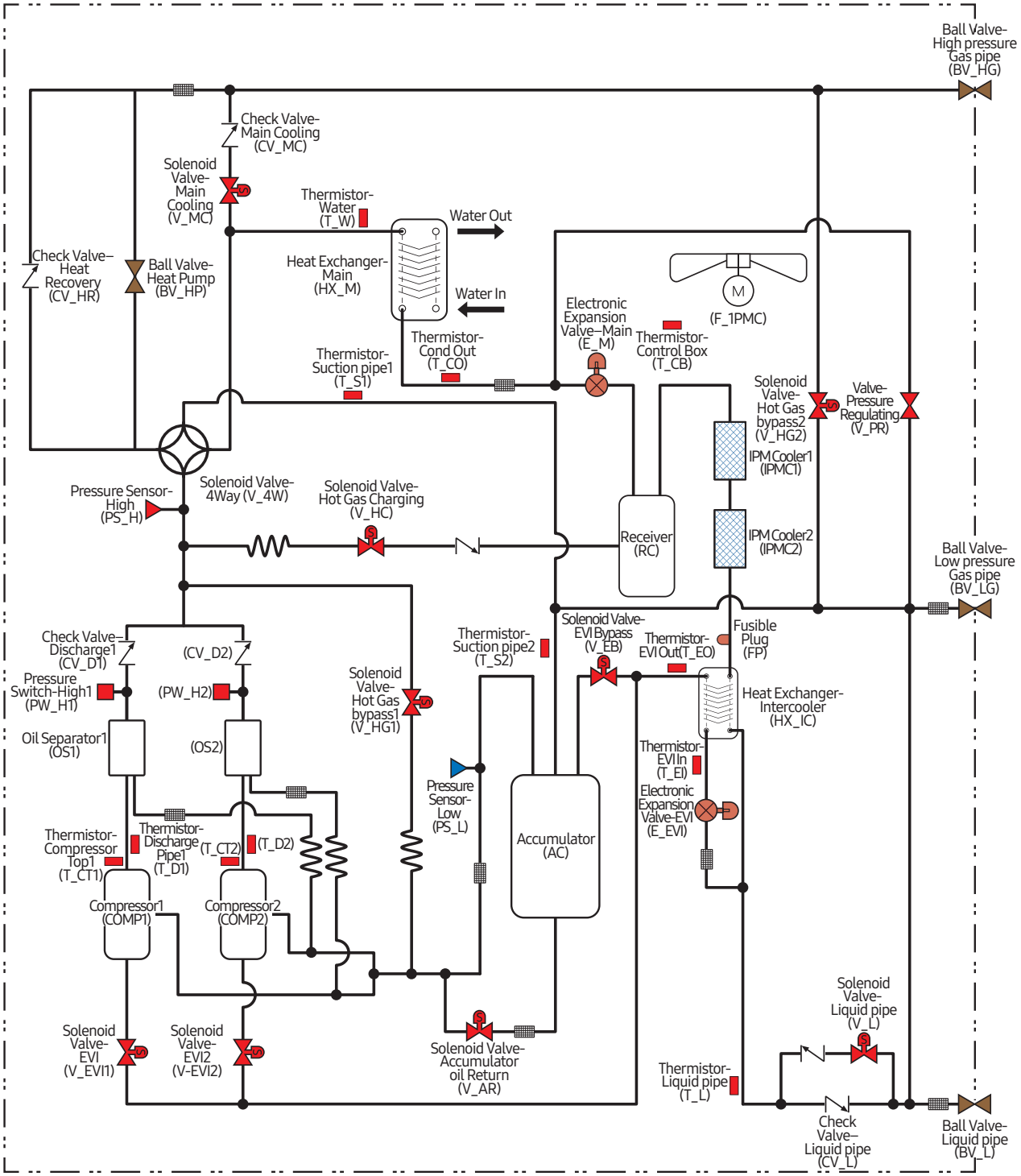
9. Piping Diagram

AM080/100/120FXWA✳✳



9. Piping Diagram

AM200FXWA✳✳



10. Installation

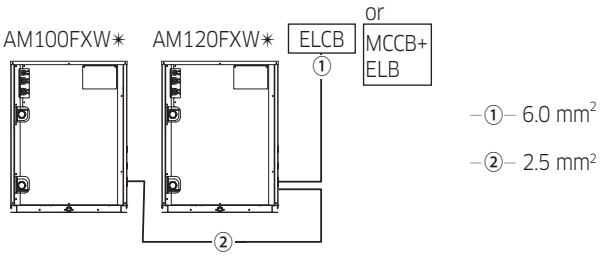
Electrical wiring work

Specification of the circuit breaker and power cable

Power Supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord. (Code designation IEC:60245 IEC 66 / CENELEC: H07RN-F)

※ When installing outdoor units in module, select the power supply cable according to the sum of outdoor unit capacity. (Refer to the table for each model)

ex) Outdoor unit installation (AM100FXW✳ + AM120FXW✳)



NOTE

- This device is intended for the connection to a power supply system with a maximum permissible system impedance shown in the table (on the left page) at the interface point (power service box) of the user's supply.
- The user must ensure that this device is connected only to a power supply system which fulfills the requirement above. If necessary, the user can ask the public power supply company for the system impedance at the interface point.
- This equipment complies with IEC 61000-3-12 provided that the short-circuit power Ssc is greater than or equal to Ssc(*2) at the interface point between the user's supply and the public system. It is the responsibility of the installer or user of the equipment to ensure, by consultation with the distribution network operator if necessary, that the equipment is connected only to a supply with a short-circuit power Ssc greater than or equal to Ssc(*2).

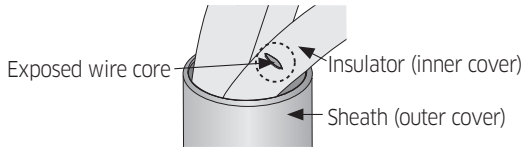
[Ssc (*2)]

Model	Ssc [MVA]
AM080FXW✳✳✳	3.9
AM100FXW✳✳✳	3.9
AM120FXW✳✳✳	4.8
AM200FXW✳✳✳	7.7

10. Installation

Caution for electrical work

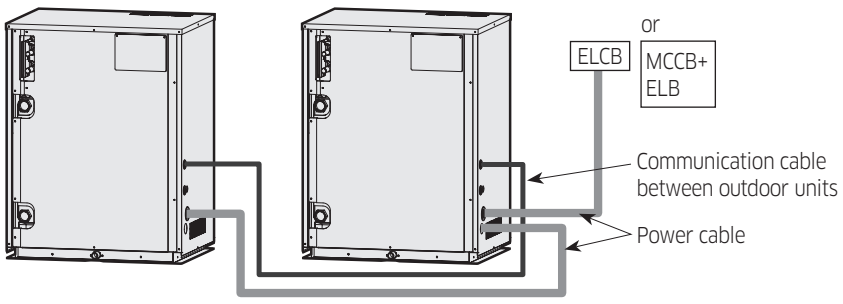
- You must install ELCB or MCCB + ELB
  - ELCB: Earth leakage breaker
  - MCCB: Molded case circuit breaker
  - ELB: Earth leakage breaker
- Do not operate the outdoor unit before completing the refrigerant pipe work.
- Do not disconnect or change the cable inside the product. It may cause damage to the product.
- Specification of the power cable is selected based on following installation condition; culvert installation/ ambient temperature 30 °C/ single multi conductor cables. If the condition is different from the ones stated, please consult an electrical installation expert and re-select the power cable.
  - If the length of power cable exceed 50m, re-select the power cable considering the voltage drop.
- Use a power cable made out of incombustible material for the insulator (inner cover) and the sheath (outer cover).
- Do not use the power cable with the core wire exposed due to insulator damage occurred during removal of the sheath. When the core wire is exposed, it may cause fire.



<The example of exposed core wire>

Power and communication cable configuration

- ▶ Main power and the ground cable must be withdrawn through the knock-out hole on the bottom-right or right side of the cabinet.
- ▶ Withdraw the communication cable from the designated knock-out hole on the bottom-right side of the front part.
- ▶ Install the power and communication cable using separate cable protection tube.
- ▶ Fix a protection tube to the knock-out hole on the outdoor unit by using a CD connector or bushing. Make sure to use insulating bushing.
- ▶ Make sure that power and communication cables do not block the front panel.



10. Installation

Specification of the protection tube

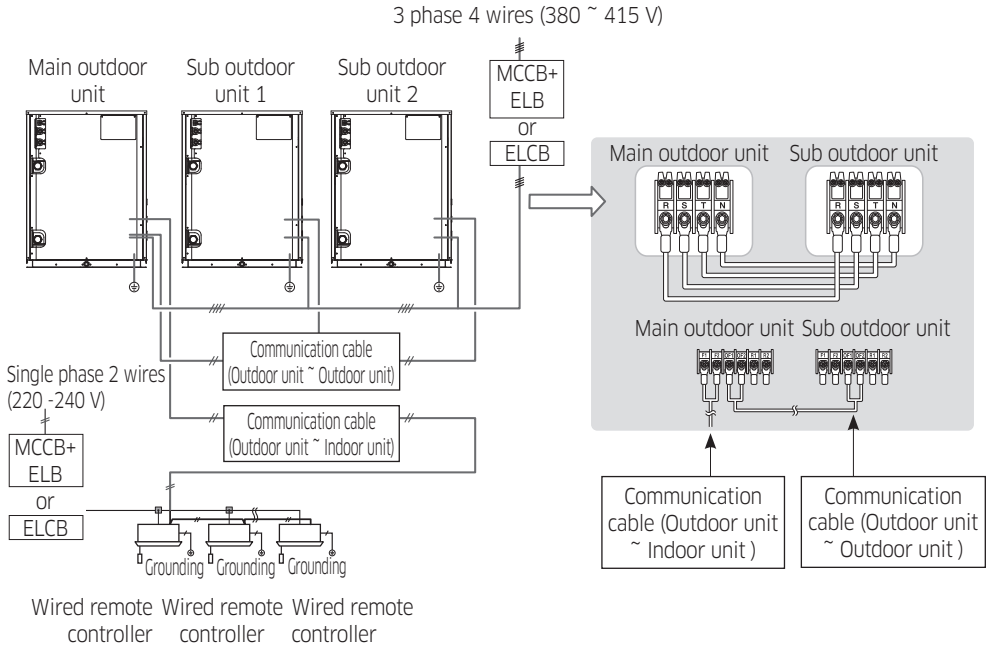
Name	Temper grade	Applicable conditions
Flexible PVC conduit	PVC	When the protection tube is installed indoor and not exposed to outside, because it is embedded in concrete structure
Class 1 flexible conduit	Galvanized steel sheet	When the protection tube is installed indoor but exposed to outside so there are risk of damage to the protection tube
Class 2 flexible conduit	Galvanized steel sheet and Soft PVC compound	When the protection tube is installed outdoor and exposed to outside so there are risk of damage to the protection tube and extra waterproof is needed

Caution for perforating the knock-out hole

- Perforate a knock-out hole by punching it with a hammer.
- After perforating the knock-out hole, apply rust resisting paint around the hole.
- When you need to pass the cables through the knock-out hole, remove burrs on the hole and protection the cable with a protection tape or bushing etc.

Power wiring diagram

Supplying 3 phase 4 wires (380-415 V~)

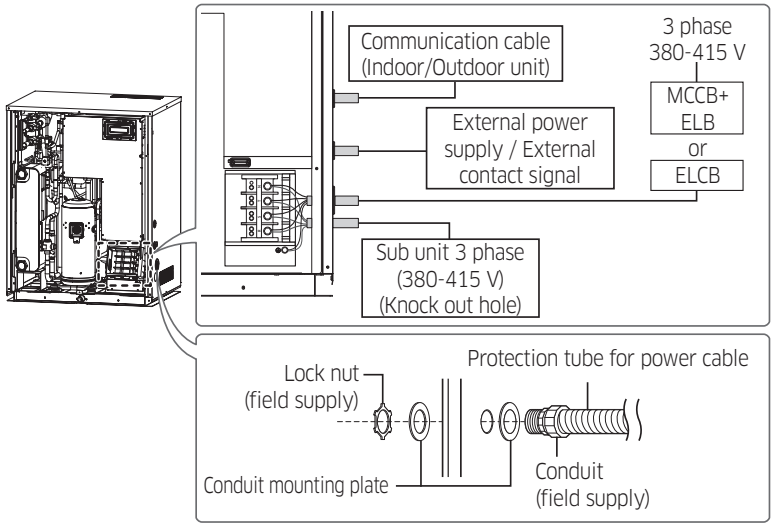


- ▶ Connect a power cable of the outdoor unit after checking that R-S-T-N (3 phase 4 wire) is properly connected. (If the 380-415 V power is supplied to the N phase, PCB and other electrical part will be damaged.)
- ▶ Communication cable between indoor and outdoor units and communication cable between outdoor units has no polarity.
- ▶ Arrange the cables with a cable tie.
- ※ ELCB and ELB must be installed since there is risk of electric shock or fire when they are not installed.

10. Installation

Connecting the power terminal

- ▶ Connect the cables to the terminal board with solderless ring terminals.
- ▶ Properly connect the cables by using certified and rated cables and make sure to fix them properly so that external force is not applied to the terminal.
- ▶ Use a driver and wrench that can apply the rated torque when tightening the screws on the terminal board.
- ▶ Tighten the terminal screws by complying rated torque value. If the terminal is loose, fire can occur due to arc heat generation and if the terminal is too tight, terminal board could get damaged.



Screw	Tightening torque for terminal (N•m)	
M4	1.2~1.8	Single phase (220-240 V) power cable
M8	5.5~7.3	3 phase (380-415 V) power cable

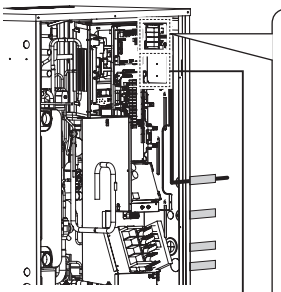
CAUTION

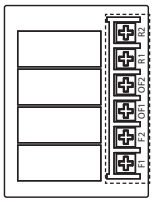
- When removing the outer sheath of the power supply cable, be careful not to scratch the inner sheath of the cable.
- Make sure that more than 20mm of the outer sheath of the indoor unit power and communication cable are inside the electrical component box.
- Install the communication cable separately from power cable and other communication cables.

10. Installation

Installing the Solution device

▶ When the number of indoor units installed with the outdoor unit is 16 or less





R2	Solution device terminal
R1	
OF2	Communication cable terminal (Outdoor unit ~ Outdoor unit)
OF1	
F2	Communication cable terminal (Outdoor unit ~ Indoor unit)
F1	

※ When connecting the communication cable, use a wire holder to fix it.

▶ Location of the interface module

※ To connect old communication type upper level controller, interface module must be installed. For detail instruction of installation, refer to the installation manual of corresponding interface module.

Space requirement for installation

Minimum space requirement for installation

▶ Secure minimum installation space as shown in the following figures, considering service area and path for people etc.

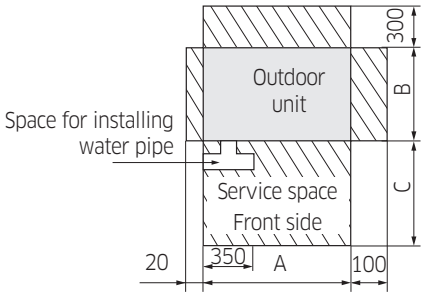
– If the installation space is narrow, installer or other worker may get injured during work and may also cause problem to the product.

▶ If the conditions does not meet the space requirement in this manual, please contact qualified installation agent.

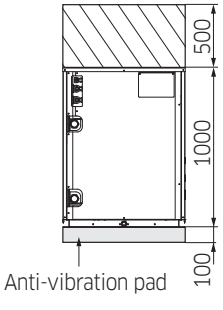
Single installation

When the water pipe passes through top of the product

(Unit : mm)



<Top view>

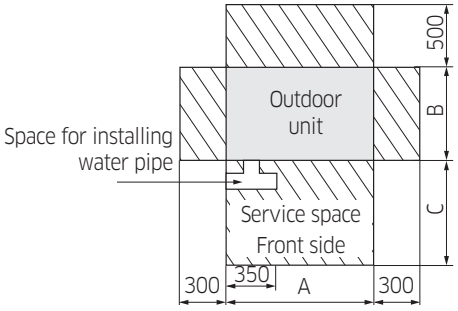


<Front view>

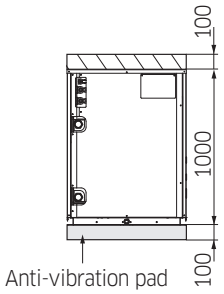
10. Installation

When the water pipe passes through back of the product

(Unit : mm)



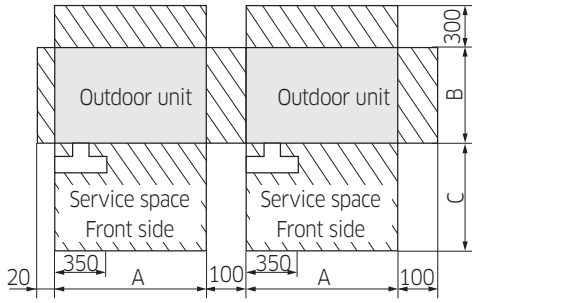
<Top view>



<Front view>

Module or continuous installation

(Unit : mm)



<Top view>

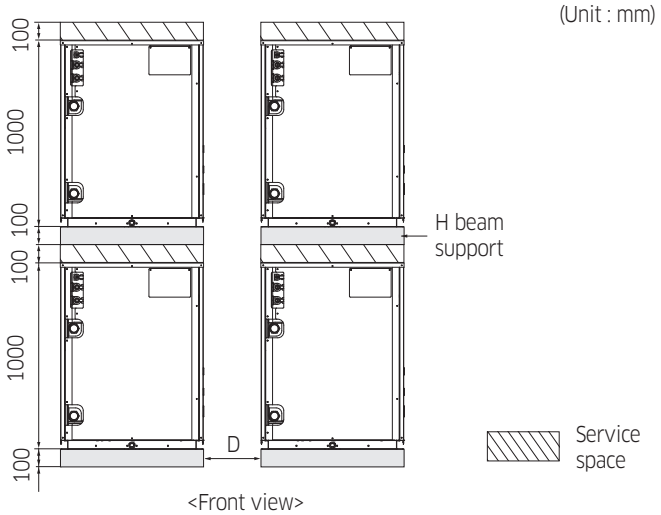
Model name of outdoor unit	A	B	C
AM080/100/120FXWA✳✳	770	545	600
AM200FXWA✳✳	1100	545	600

CAUTION

- If the outdoor unit is needed to be installed close to the walls unavoidably, prevent the vibration from being transferred to the walls with cushioning materials etc.

10. Installation

Double installation



<Front view>

- For the double installation, service space is required for the front, rear, and sides of the product. For the size of the service space, refer to the service space size of single, module or continuous installation.
- Clear enough space for D (space between outdoor units), so that water pipes connected to outdoor units does not block the front side of the outdoor units next to it.

Base construction and installation of the outdoor unit

CAUTION

- Make sure to remove the wooden pallet before installing the outdoor unit. If you do not remove the wooden pallet, there is risk of fire during welding the pipes. If the outdoor unit is installed with wooden pallet on, and it was used for long period time, wooden palette may break and cause electrical hazard or high pressure may damage the pipes.

※ Fix an outdoor unit firmly on the base ground with anchor bolts.

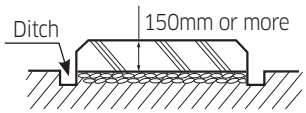
※ Manufacturer is not responsible for the damage occurred by not following the installation standards.

1. Make sure that the height of the base ground is 150 mm or higher to protect the outdoor unit from rain water or other external conditions. Also, install a draining pit around the base ground and connect the drain pipe to the drainage.
2. Considering the vibration and weight of the outdoor unit, strength of the base ground must be strong to prevent noise and the top surface of it should be flat.
3. Base ground should be 1.5 times larger than the bottom of the outdoor unit.
4. Outdoor unit must be fixed firmly so that it can withstand the wind speed of 30 m/s. If you cannot fix the outdoor unit on the base ground, fix it by side or use extra structure.
5. In heating operation, defrost water may form so you must really care about the drainage and waterproofing the floor. To prevent defrost water from stagnating or freezing, construct a drainage with over 1/50 slope. (Ice may form on the floor in winter time.)
6. It is necessary to add wire mesh or steel bar during concrete construction for the base ground to prevent damages or cracks.

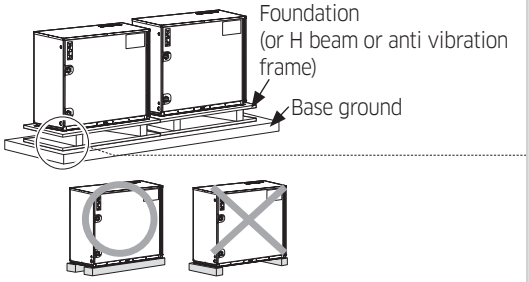
10. Installation

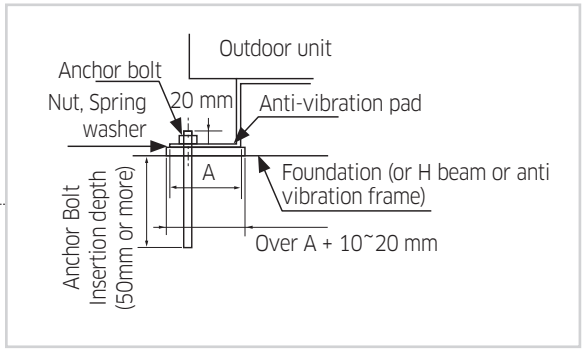
7. When installing multiple outdoor units at the same place, construct a H beam or an anti-vibration frame on the base ground to install the outdoor unit.
8. After installing a H beam or an anti-vibration frame, apply corrosion protection and other necessary coating.
9. When concrete construction for outdoor unit installation is completed, install an anti-vibration pad (t=20 mm or more) or an anti-vibration frame to prevent vibration of the outdoor unit from transferring to the base ground.
10. Place the outdoor unit on a H beam or an anti-vibration frame and fix it with the bolt, nut and washer. (The bearing force has to be over 3.5 kN)

Foundation

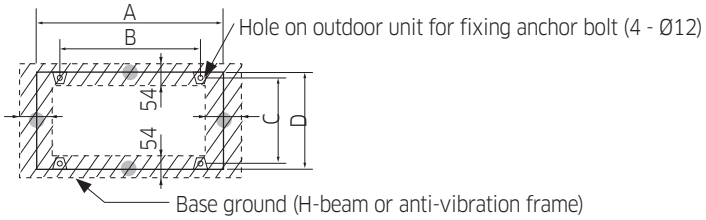


Outdoor unit installation





Fixing the outdoor unit



(Unit : mm)

Classification	Small type	Large type
Models	AM080/100/120FXWA✳✳	AM200FXWA✳✳
A	770	1100
B	656	995
C	523	515
D	550	550

※ For adding the anti-vibration frame on the base ground, the specification for the fixing hole depends on the specification of the anti-vibration frame.

10. Installation

Refrigerant pipe installation

CAUTION

- When installing, make sure there is no leakage. When collecting the refrigerant, stop the compressor first before removing the connection pipe. If the refrigerant pipe is not properly connected and the compressor is working with the service valve open, the pipe sucks the air in which makes the pressure inside of the refrigerant cycle abnormally high which may lead to explosion and injury.

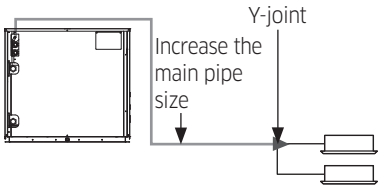
Refrigerant pipe work

- ▶ The length of refrigerant pipe should be as short as possible and the height difference between an indoor and outdoor unit should be minimized.
- ▶ Piping work must be done within allowable piping length, height difference, and the allowable length after branching.
- ▶ The pressure of the R-410A is high. Use only certified refrigerant pipe and follow the installation method.
- ▶ After installing the pipes, calculate the total length of the pipe to check if additional refrigerant is needed. When you need to charge the additional refrigerant, make sure to use R-410A refrigerant.
- ▶ The inside of the refrigerant pipe must be clean and contain no harmful ions, oxides, dust, iron particles or moisture.
- ▶ Use tools and accessories compatible with R-410A refrigerant gas.

<table>
<tr><th>Tool</th><th>Installation process/purpose</th><th colspan="2">Compatibility with conventional tool</th></tr>
<tr><td>Pipe cutter</td><td rowspan="5">Refrigerant pipe installation</td><td>Pipe cutting</td><td rowspan="2">Compatible</td></tr>
<tr><td>Flaring tool</td><td>Pipe flaring</td></tr>
<tr><td>Refrigerant machine oil</td><td>Apply refrigerant oil on flared part</td><td>Exclusive ether oil, ester oil, alkali benzene oil or synthetic oil</td></tr>
<tr><td>Torque wrench</td><td>Connect flare nut with pipe</td><td rowspan="4">Compatible</td></tr>
<tr><td>Pipe bender</td><td>Pipe bending</td></tr>
<tr><td>Nitrogen gas</td><td rowspan="2">Air tightness test</td><td>Prevent oxidation within the pipe</td></tr>
<tr><td>Welder</td><td>Pipe welding</td></tr>
<tr><td>Manifold gage</td><td rowspan="2">Air tightness test ~ additional refrigerant charging</td><td rowspan="2">Vacuuming, charging refrigerant and checking operation</td><td>Need exclusive one to prevent mixture of R-22 refrigerant oil use and also the measurement is not available due to high pressure</td></tr>
<tr><td>Refrigerant charging hose</td><td>Need exclusive one since there is risk of refrigerant leakage or contamination</td></tr>
<tr><td>Vacuum pump</td><td colspan="2">Pipe drying</td><td>Compatible (Use products which contain the check valve to prevent the oil from flowing backward into the outdoor unit.) Use the one that can be vacuumed up to -100.7kpa(5Torr).</td></tr>
<tr><td>Scale for refrigerant charging</td><td rowspan="2" colspan="2"></td><td>Compatible</td></tr>
<tr><td>Gas leak detector</td><td>Gas leak test</td><td>Need exclusive one
(Ones used for R-134a is compatible)</td></tr>
<tr><td>Flare nut</td><td colspan="3">Must use the flare nut supplied with the product. Refrigerant leakage may occur when the conventional flare nut for R-22 is used.</td></tr>
</table>

10. Installation

Selecting refrigerant pipe



- ▶ Install the refrigerant pipe according to main pipe size of each outdoor unit capacity.
- ▶ When the pipe length (including elbow) between the outdoor unit and the farthest indoor unit exceeds 90m, the size of the pipe (main pipe) connecting the outdoor unit to the first branch joint must be increased by one grade.
- ▶ For HR System, when the pipe length (including elbow) between an outdoor unit and the farthest indoor unit exceeds 90 m, you must increase the size of the liquid pipe by one grade among the pipes(main pipe) which connects between the outdoor unit to the first branch joint

Main pipe size (Outer diameter, mm) If total pipe length is less than 90 m	Main pipe size (Outer diameter, mm) If total pipe length is 90 m or longer
9.52	12.70
12.70	15.88
15.88	19.05
19.05	22.22
22.22	25.40 note1)
28.58	31.75 note2)
34.92	38.10 note3)
41.28	53.98

Note1) If Ø 25.40 pipe is not available on site, use Ø 28.58 pipe.

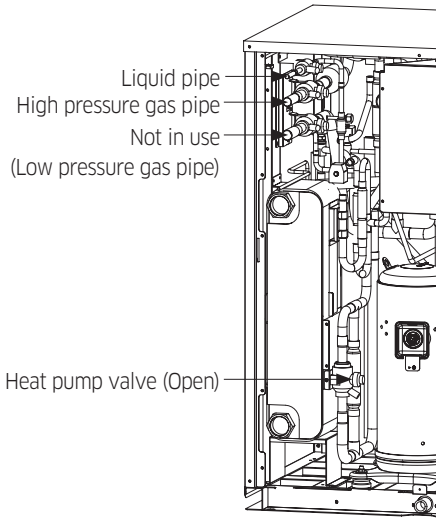
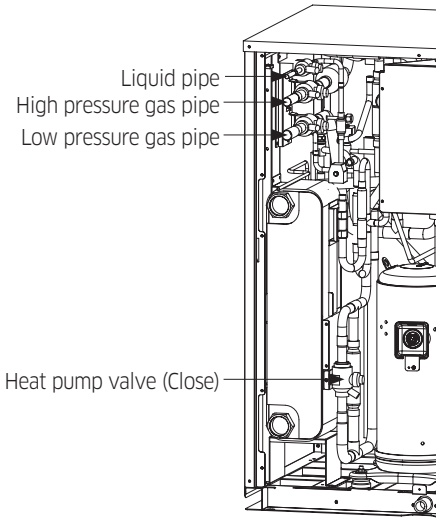
Note2) If Ø 31.75 pipe is not available on site, use Ø 34.92 pipe.

Note3) If Ø 38.10 pipe is not available on site, use Ø 41.28 pipe

10. Installation

Pipe installation for an outdoor unit

1. Please read the following instructions to connect the refrigerant pipe to an outdoor unit.
   - For H/P System, connect liquid and gas pipes to an indoor unit.
   - For HR System, connect liquid and high/low pressure gas pipes to a MCU. Close the internal heat pump valve and set the K5 switch to 'OFF'.
   - For module installation, make sure that each heat pump valve and K5 switch setting is adjusted according to each purpose. (When installing outdoor units in module, E573 error may occur when settings are different between outdoor units.)

Classification	H/P System	HR System
Service valve		
Heat pump valve	Open (Factory default)	Close (Set during installation)
Option switch (K5)	ON (Factory default)	OFF (Set during installation)

Caution for welding the pipe to an outdoor unit

- When welding the pipe, the unit may get damaged by the heat and flame from welding. Use a flame proofing cloth to protect the unit from a brazing fire or flame.
- The O-ring and Teflon packing inside service valve may get damaged by the heat from welding. Wrap the bottom side of the service valve with a wet cloth and weld it. Also, water dripping from the wet cloth may interrupt the welding. Make sure the water does not drip from the wet cloth.
- Make sure that connected pipes does not interrupt each other or make contact with the product. If they contact each other or contact with the outdoor unit, vibration will occur and it may cause damage to the pipes.
- When removing the sealed pipe on the bottom side of the service valve, cut it with a pipe cutter first and then start the welding. When the sealed pipe is welded without cutting, you may get injured by the refrigerant within the pipe.

10. Installation

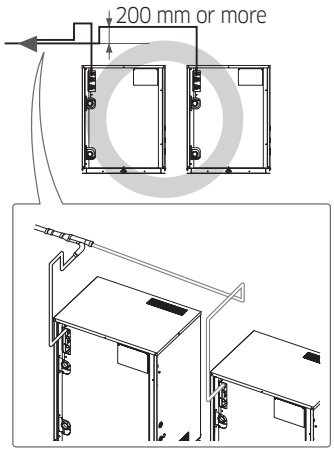
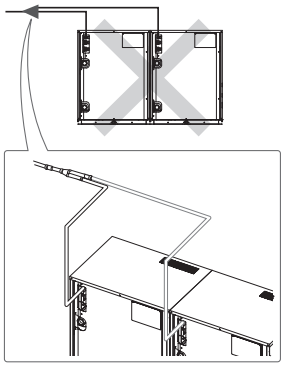
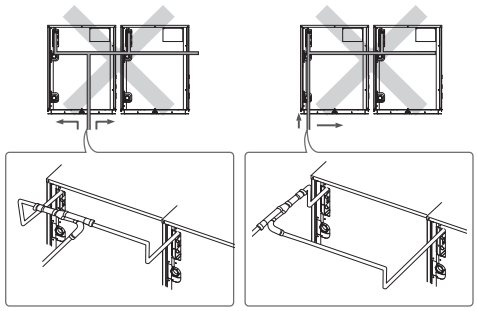
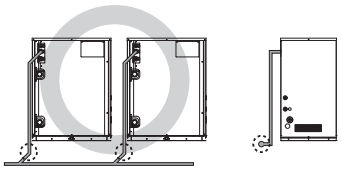
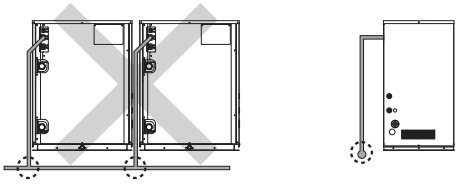
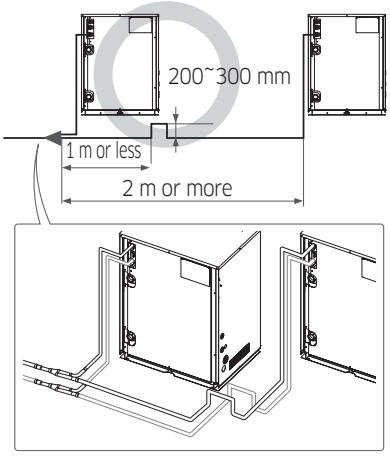
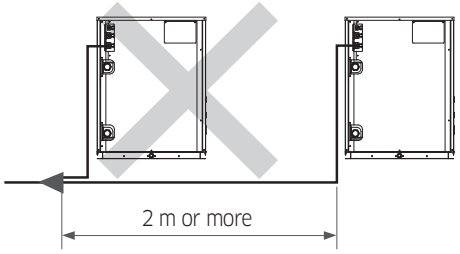
Refrigerant pipe installation

2. Connect refrigerant pipes between outdoor units.

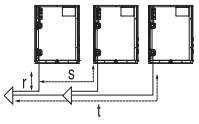
▶ To connect pipes between outdoor units, branch joints (that needs to be purchased separate) must be installed.

※ **For optimal distribution of the refrigerant, you must use Y-joint for connecting outdoor units. (Do not use T-joint)**

▶ When outdoor units are installed in module, there are no restrictions on the order of installation.

Caution	Correct installation	Incorrect installation
When refrigerant pipe is installed at higher level than the pipe connection part of the outdoor unit, you must install a trap at the gas pipe.		 
Branch joint between outdoor units must be installed horizontally.		
When the piping length between outdoor unit and the branch joint exceeds 2 m, install a vertical trap as show in the figure.		

10. Installation

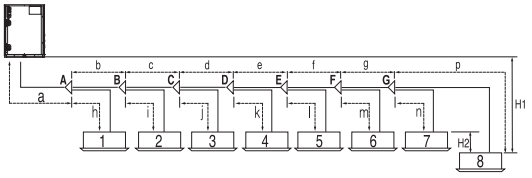
<table>
<tr><th colspan="4">Classification</th><th colspan="2">Example</th><th>Remarks</th></tr>
<tr><td rowspan="8">Maximum allowable pipe length</td><td rowspan="5">Outdoor unit ~ Indoor unit</td><td rowspan="3">Actual pipe length (Equivalent length)</td><td rowspan="3">170 m and below (190 m and below)</td><td>Installing only with Y-joint</td><td>a+b+c+d+e+f+g+p ≤ 170 (190) m</td><td rowspan="3">Equivalent length
• Y-joint: 0.5 m
• Distribution header: 1 m</td></tr>
<tr><td>Installing with Y-joint and distribution header</td><td>a+b+h ≤ 170 (190) m, a+i+k ≤ 170 (190) m</td></tr>
<tr><td>Installing only with distribution header</td><td>a+i ≤ 170 (190) m</td></tr>
<tr><td rowspan="3">Total length of pipe (m)</td><td rowspan="3">300 m or less</td><td>Installing only with Y-joint</td><td>a+b+c+d+e+f+g+p+h+ i+j+k+l+m+n ≤ 300 m</td><td></td></tr>
<tr><td>Installing with Y-joint and distribution header</td><td>a+b+c+d+e+f+g+h+ i+j+k ≤ 300 m</td><td></td></tr>
<tr><td>Installing only with distribution header</td><td>a+b+c+d+e+f+g+h+i ≤ 300 m</td><td></td></tr>
<tr><td rowspan="2">Outdoor unit ~ Outdoor unit (Module installation)</td><td>Pipe length</td><td>10 m or less</td><td colspan="2">r ≤ 10 m, s ≤ 10 m, t ≤ 10 m</td><td rowspan="2"></td></tr>
<tr><td>Equivalent length</td><td>13 m or less</td><td colspan="2">r ≤ 13 m, s ≤ 13 m, t ≤ 13 m</td></tr>
<tr><td rowspan="2">Maximum allowable height difference</td><td>Outdoor unit ~ Indoor unit</td><td colspan="2">50/40 m Note 2)</td><td colspan="2">H1 ≤ 50/40 m</td><td></td></tr>
<tr><td>Indoor unit ~ Indoor unit</td><td colspan="2">15 m or less</td><td colspan="2">H2 ≤ 15 m</td><td></td></tr>
<tr><td rowspan="2">Maximum allowable length after branch joint</td><td rowspan="2">First branch joint ~ Farthest Indoor unit</td><td rowspan="2">Pipe length</td><td>45 m or less</td><td colspan="2">b+c+d+e+f+g+p ≤ 45 m, i ≤ 45 m</td><td></td></tr>
<tr><td>45 m ~ 90 m note 1)</td><td colspan="2">Required conditions must be satisfied</td><td></td></tr>
</table>

<table>
<tr><th colspan="3">EEV kit</th><th colspan="2">Model name</th><th>Remarks</th></tr>
<tr><td rowspan="10">EEV kit ~ Indoor unit</td><td rowspan="10">Actual pipe length</td><td rowspan="2">2 m</td><td>MEV-E24SA</td><td rowspan="2">1 indooor</td><td rowspan="10">Apply to products without EEV (Wall mount & ceiling)</td></tr>
<tr><td>MEV-E32SA</td></tr>
<tr><td rowspan="8">20 m or less</td><td>MXD-E24K132A</td><td rowspan="3">2 indooor</td></tr>
<tr><td>MXD-E24K200A</td></tr>
<tr><td>MXD-E32K200A</td></tr>
<tr><td>MXD-E24K232A</td><td rowspan="4">3 indooor</td></tr>
<tr><td>MXD-E24K300A</td></tr>
<tr><td>MXD-E32K224A</td></tr>
<tr><td>MXD-E32K300A</td></tr>
</table>

※ Please refer to the EEV Kit manual.

10. Installation

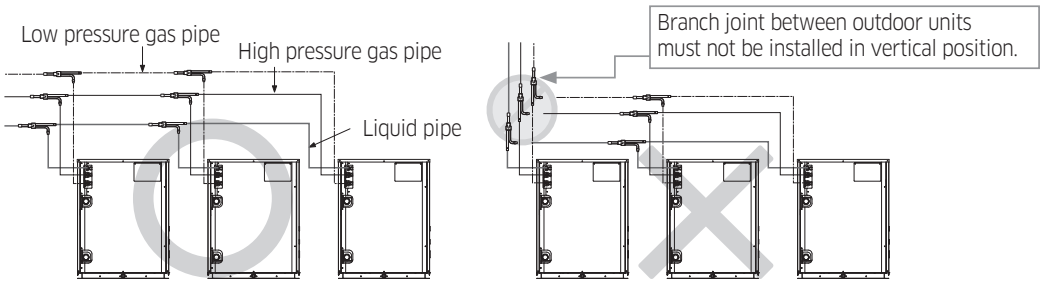
Note 1) Required condition

Classification	Condition	Example
First branch joint ~ Farthest Indoor unit	45 m ≤ b+c+d+e+f+g+p ≤ 90 m: Size of the branch pipe (b, c, d, e, f, g) must be increased by one grade	
Total length of extended pipe	If the size of the main pipe (pipe that connects between the outdoor unit ~ first branch joint) was not increased by one grade: a+(b+c+d+e+f+g)×2 +h+i+j+k+l+m+n+p ≤ 300 m	
	If the size of the main pipe (pipe that connects between the outdoor unit ~ first branch joint) was increased by one grade: (a+b+c+d+e+f+g)×2 +h+i+j+k+l+m+n+p ≤ 300 m	
Each Y-joint ~ Each indoor unit	h, i, j, … p ≤ 45 m	
Difference between the distance of the outdoor unit to the farthest indoor unit and nearest indoor unit ≤ 45 m (a+b+c+d+e+f+g+p)-(a+h) ≤ 45 m		

Note 2) When indoor unit is located at higher level than outdoor unit, allowable height difference is 40m, but when the indoor unit is located at lower level than outdoor unit, allowable height difference is 50 m.

Installing the branch joint between outdoor units

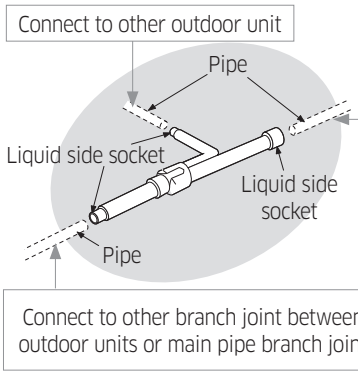
Installation of outdoor joints



※ For HR System, connect liquid pipe, high pressure gas pipe and low pressure gas pipe.

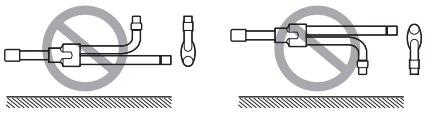
※ For H/P System, connect liquid pipe and high pressure gas pipe.

10. Installation



※ Use a provided liquid side socket according to the size of the selected pipe.

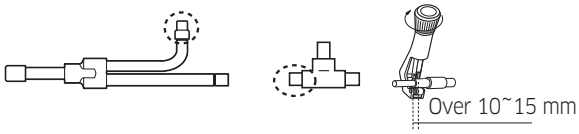
Connect to other branch joint between outdoor units or outdoor unit



<Liquid pipe, High pressure gas pipe, Low pressure gas pipe>

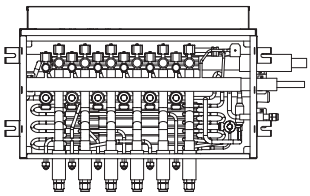
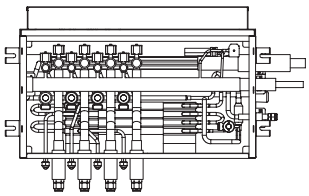
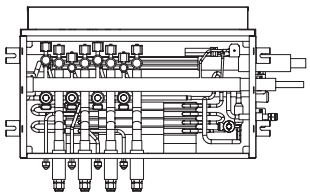
NOTE

• Cut the connection part of the outdoor unit connection pipe or the provided socket, according to the diameter of the connection pipe, before connecting them.

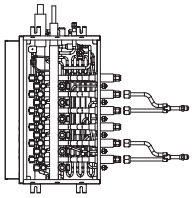
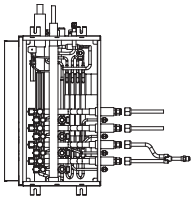
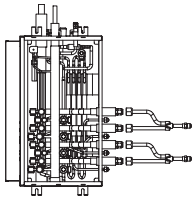


Installing the MCU

MCU specification

Model	MCU-S6NEE1N	MCU-S4NEE1N	MCU-S4NEE2N
Exterior of MCU			
Number of connectable indoor units	Up to 6 units	Up to 4 units	Up to 2 units ※ Refer the detail information of installation
Maximum capacity of connectable indoor units	56 kW	56 kW	56 kW

Installing the indoor units

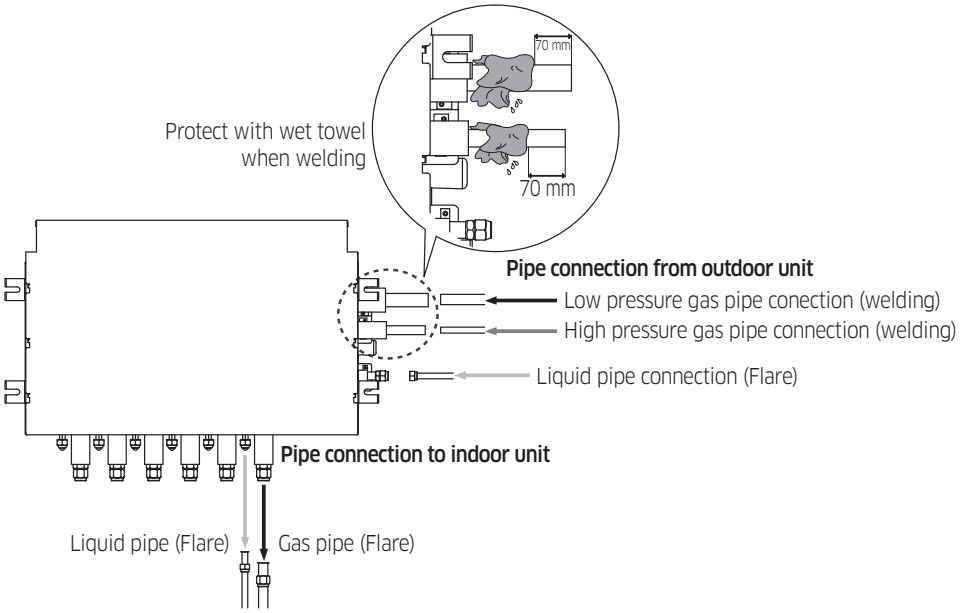
Model	MCU-S6NEE1N	MCU-S4NEE1N	MCU-S4NEE2N
Example installing			

10. Installation

Installing indoor units	If the indoor unit's capacity is under 14kW, this can be connected in the MCU. Do not connect if the indoor unit's capacity exceeds 14kW. **Single capacity range under 10.0kW** – Connect the liquid, gas pipe of indoor unit to each single port in MCU. **Single capacity range between 11.2kW to 14.0kW** – Join two ports in the MCU with offered Y-connector(liquid, gas), then connect to indoor unit as above.	If the indoor unit's capacity is greater than or equal to 11.2kW, it can be connected in the MCU. Do not connect the indoor unit's capacity not exceeding 11.2kW. **Single capacity range between 11.2kW to 28.0kW** – Join two ports in the MCU with offered Y-connector(liquid, gas), then connect to indoor unit as above.

※ To use HR system, MCU must be installed.

How to connect the pipes



※ When installing MCU, use the pattern sheet for installation that is provided with the product.

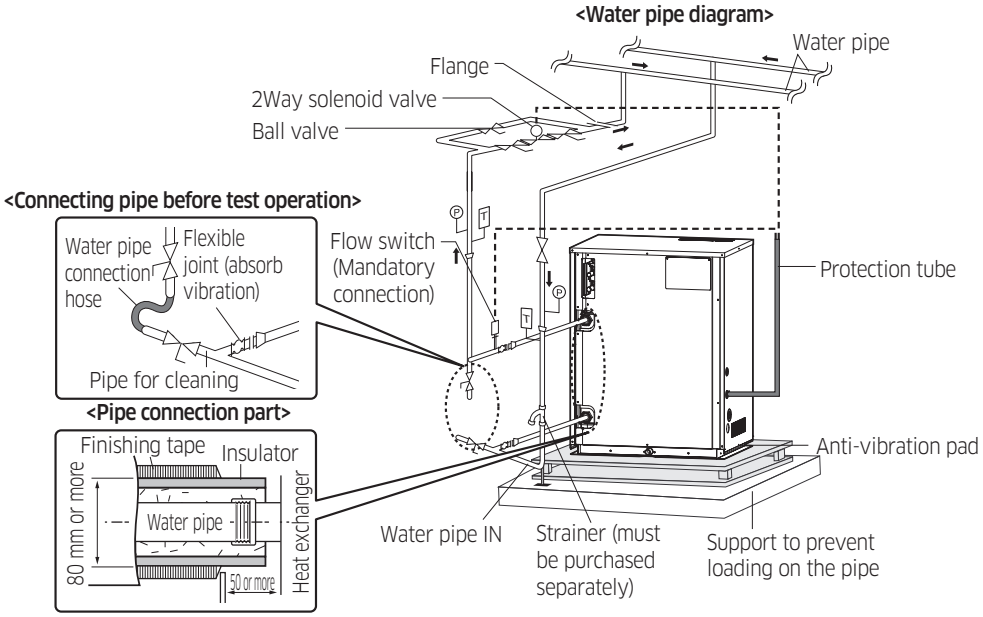
※ When welding the high/low pressure gas pipe, protect the product with the flame-proof sheet.

10. Installation

Water pipe installation

It is recommended to use closed circuit cooling tower. If open cooling tower is applied, use intermediate heat exchanger and make sure that supplied heat source water system is closed circuit.

Water pipe installation



※ From above illustration, flow switch (mandatory) and 2way solenoid valve (optional) must be at least equivalent to the specification recommended by our company and they should be installed horizontally.

CAUTION **When water pipe circuit freezes, it will cause damage to the plate type heat exchanger and therefore preventive measure must be taken according to the situation.**

- Drain remaining water in the water pipe when it will not be used for long period of time
- Constantly operate the water pump to circulate the water within the water pipe
- Install self-regulating heat cable on the water pipes

※ Design condition

Type	Circulating water	Operation	Inlet water temperature		Remarks
			Main usage range	Usage range limit Note 3)	
Heat source water	Water loop	Cooling	20 ~ 35 ℃	10 ~ 45 ℃	Refer to 'Cooling water management' on page 96
		Heating			
Ground heat source Note1)	Ground loop	Cooling	15 ~ 35 ℃	10 ~ 45 ℃	
		Heating	5 ~ 25 ℃	-5 ~ 45 ℃ (-10 ~ 45 ℃) Note 2)	

Note 1): Anti-freeze must be used when temperature of water inlet for heating is below 10℃ or ground heat source is used. Maintain appropriate concentration level of anti-freeze according to temperature of water inlet.

Note 2): Strict management of anti-freeze concentration level is required. Consult Samsung before application.

Note 3): When inlet water temperature is outside of limit, consult Samsung before application.

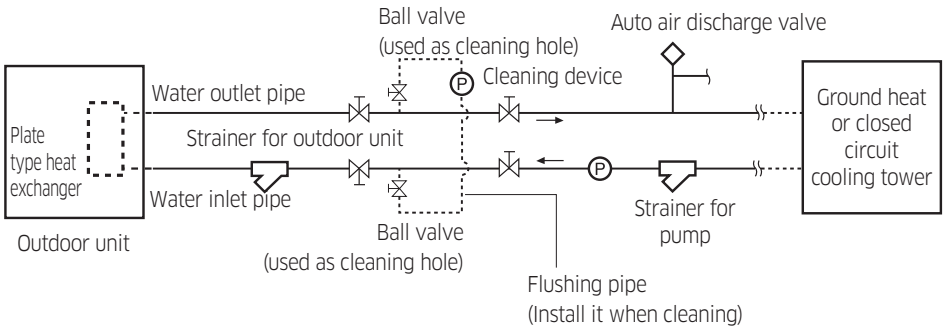
10. Installation

1. Diameter of the outdoor unit connection part where water pipe will be connected is 32A. If you install outdoor units with different capacities, install a flow control valve to secure rated flow for each outdoor unit. Socket must be connected within below tightening torque. If the tightening torque exceeds below value, it may cause product breakage.

Outer diameter of water pipe (mm)	Tightening torque (N·m)
10 ~ 20	25
21 ~ 30	50
31 ~ 50	100
51 ~ 80	220
81 ~ 115	600

2. Use certified parts for water pipe system and the water pressure of the water pipe system connected to outdoor unit must remain under 1.96 MPa.
3. Outdoor unit water pipes must be equipped with valves and other instrumentations as shown in the figure on the previous page. Strainer and flow switch must be installed within 1~2 m from the entrance pipe of the outdoor unit. (Strainer must be installed on entrance side)
   - When strainer is not installed, sand, dust or rust debris may cause product breakage.
   - Make sure to install a flow switch that works at minimum discharge. When optimal discharge level is not reached, heat exchanger within the outdoor unit may break.
4. Water inlet pipe is located at the bottom part of the heat exchanger and the water outlet pipe is at the top part of the heat exchanger.
5. Outdoor unit must be installed indoor at room temperature and the water inlet and outlet of the outdoor unit must be insulated with the heat exchanger as shown in the illustration.
6. Damp-proof, cold reserving and insulation work must be done thoroughly to prevent condensation from forming on the surface of the product and drain pipes of indoor/outdoor units. When the necessary work is not done thoroughly, you will waste energy caused by thermal loss and may get property damage during cold seasons when water pipe freezes and bursts.
7. If you stop the product for long time or in night time, water pipe circuit may freeze naturally when the temperature around the outdoor unit is under 0°C. When water pipe circuit freezes, it will cause damage to the plate type heat exchanger and therefore preventive measure must be taken according to the situation.
   - Drain remaining water in the water pipe
   - Operate continuous water circulation pump during outdoor unit operation, 1~5 minutes before the operation and 1~5 minutes after operation stops
   - Install self-regulating heat cable on the water pipes
8. When inlet water temperature is lower than 10°C, appropriate anti-freeze must be used according to the temperature. (Set the outdoor unit option switches K21 and K22 according to the usage temperature.)
   - When lowest inlet water temperature is -5°C, freezing point of anti-freeze must be lower than -8°C
   - When lowest inlet water temperature is -10°C, freezing point of anti-freeze must be lower than -15°C
9. Install number of auto air vent valve at a point where air may remain within the pipe (such as vertical water pipe). If the air within the pipe is not vented, it may cause performance decrease or corrosion on the product or pipes.
10. Keep the inlet water temperature within 'Main usage range'. If not, product may not work continuously.
11. Water scale may occur on the plate type heat exchanger depending on the water quality and the type of plate heat exchanger so regular chemical cleaning is necessary. When installing water pipes, install a heat source water shut-off valve and also install the flushing pipe with a ball valves (for chemical cleaning) on the pipe installed between the shut-off valve and the outdoor unit.

10. Installation



12. Before trial operation, connect the cleaning pipes installed on inlet and outlet as shown in above illustration. Then, take appropriate measures (such as blind flange etc) to stop the circulation water from entering the outdoor unit plate type heat exchanger, and use circulating pump to remove foreign substance within the water pipes and clean the strainer. When foreign substances accumulates on outdoor unit plate type heat exchanger, it may break the heat exchanger or cause problem to it.
13. For legal facilities, install digital sensor and flow meter on the water pipe for monitoring.

CAUTION

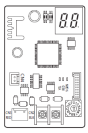
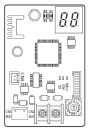
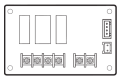
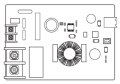
- Open the valve of the water pipe connected to the outdoor unit after flushing (cleaning foreign substances in water pipe) is completed.
- Check that air is vented from the water pipe and circulation amount is secured before opening the service valve on the refrigerant side of the outdoor unit.
- When circulating water stops during outdoor nit operation, it may cause breakage on plate type heat exchanger. Check the flow of circulation with flow switch or other devices.

11. Accessory

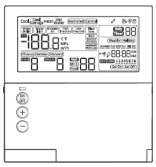
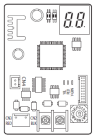
Controller

Classification	Product	Model	Image	Remark	Using
Individual Control System	Wireless Remote Controller	MR-EH00			DVM, CAC
	Wireless Remote Controller	AR-KH00E		360 CST Only	DVM, CAC
	Wired Remote Controller	MWR-WE11N			DVM, CAC
	Wired Remote Controller - Simple Type	MWR-SH00N			DVM, CAC
	Wired Remote Controller - Touch Simple Type	MWR-SH10N			DVM, CAC
	ERV Wired Remote Controller	MWR-VH12N		ERV Olny	DVM, CAC
	Wired Remote Controller	MWR-WW00N		EHS Only	EHS
	Receiver KIT ??	MRK-A10N			DVM, CAC
	Zone Controller	MWR-ZS00N		Master controller + Damper controller	DVM, CAC
	Zone Controller	MWR-ZS10N		Slave controller	DVM, CAC
	Zone Controller	MRW-TS		External room sensor	DVM, CAC

11. Accessory

Classification	Product	Model	Image	Remark	Using
Centralized Control System	Onoff Controller	MCM-A202DN			DVM, CAC
	Touch Centralized Controller	MCM-A300N			DVM, CAC
	WIFI KIT	MIM-H03N			DVM, CAC
	Interface Module	MIM-N01			DVM, CAC
	ERV Interface Module	MIM-N10			DVM, CAC
Integrated management System	DMS2.5	MIM-D01AN			DVM, CAC
	S-NET3	MST-P3P			DVM, CAC
Gate Way	BACnet Gateway	MIM-B17BN			DVM, CAC
	Lonworks Gateway	MIM-B18BN			DVM, CAC
	External Contact Interface Module	MIM-B14			DVM, CAC
	MTFC (Multi Tenant Function Controller)	MCM-C210N			DVM
	SIM (Signal Interface Module)	MIM-B12N			DVM, CAC
	PIM (Pulse Interface Module)	MIM-B16N			DVM, CAC

11. Accessory

Classification	Product	Model	Image	Remark	Using
Gate Way	Module Controller	MCM-A00N		CHILLER Only	CHILLER
	FCU KIT	MIM-F00N		CHILLER Only	CHILLER
	FCU Interface Module	MIM-F10N		CHILLER Only	CHILLER
Installation /Test run Solution	S-Checker	MIM-C10N			DVM, CAC
	S-Converter	MIM-C02N			DVM, CAC
Others	External Room Sensor	MRW-TA			DVM, CAC
	Operation Mode Selection Switch	MCM-C200			DVM
	Transformer Kit	MVR-TK024			DVM S Water

NOTE

- In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.Samsung.com site.

11. Accessory

Controller & Control Accessory Compatibility

Item		NASA (DVM S)	Non-NASA (DVM +3/+4)	Remark
Individual Control System	Wireless Remote Controller	MR-EH00	MR-EH00	DVM, CAC
	Wireless Remote Controller	AR-KH00E	AR-KH00E	DVM, CAC (360 CST)
	Wired Remote Controller	MWR-WE11N	MWR-WE10	DVM, CAC
	Wired Remote Controller - Simple Type	MWR-SH00N	MWR-SH00	DVM, CAC
	Wired Remote Controller - Touch Simple Type	MWR-SH10N	-	DVM, CAC
	ERV Wired Remote Controller	MWR-VH12N	-	DVM, CAC (ERV)
	Wired Remote Controller	MWR-WW00N	MWR-WW00	EHS
	Receiver KIT	MRK-A10N	-	DVM, CAC
	Zone Controller	MWR-ZS00N	MWR-ZS00	DVM, CAC
	Zone Controller	MWR-ZS10N	MWR-ZS10	DVM, CAC
	Zone Controller	MRW-TS	MRW-TS	DVM, CAC
Centralized Control System	Onoff Controller	MCM-A202DN	MCM-A202D	DVM, CAC
	Touch Centralized Controller	MCM-A300N	-	DVM, CAC
	WIFI KIT	MIM-H03N	MIM-H03	DVM, CAC
	Interface Module	MIM-N01	MIM-N01	DVM, CAC
	ERV Interface Module	MIM-N10	MIM-N10	DVM, CAC
Integrated management System	DMS2.5	MIM-D01AN	MIM-D00A	DVM, CAC
	S-NET3	MST-P3P	MST-P3P	DVM, CAC
Gate Way	BACnet Gateway	MIM-B17BN	MIM-B17	DVM, CAC
	Lonworks Gateway	MIM-B18BN	MIM-B18	DVM, CAC
	External Contact Interface Module	MIM-B14	MIM-B14	DVM, CAC
	MTFC (Multi Tenant Function Controller)	MCM-C210N	-	
	SIM (Signal Interface Module)	MIM-B12N	MIM-B12	DVM, CAC
	PIM (Pulse Interface Module)	MIM-B16N	MIM-B16	DVM, CAC
	Module Controller	MCM-A00N	-	CHILLER ONLY
	FCU KIT	MIM-F00N	-	CHILLER ONLY
	FCU Interface Module	MIM-F10N	-	CHILLER ONLY
Installation / Test run Solution	S-Checker	MIM-C10N	-	DVM, CAC
	S-Converter	MIM-C02N	MIM-C02	DVM, CAC
Others	External Room Sensor	MRW-TA	MRW-TA	DVM, CAC
	Operation Mode Selection Switch	MCM-C200	MCM-C200	DVM

NOTE

- In case you want to know more information the accessories, please refer to the control and accessories TDB on pvi.samsung.com site

11. Accessory

Piping

Product	Image	Model	Remark
Y-Joint		MXJ-YA1509M	15.0 kW and below
		MXJ-YA2512M	Over 15.0 kW ~ 40.0 kW and below
		MXJ-YA2812M	Over 40.0 kW ~ 45.0 kW and below
		MXJ-YA2815M	Over 45.0 kW ~ 70.3 kW and below
		MXJ-YA3419M	Over 70.3 kW ~ 98.4 kW and below
		MXJ-YA4119M	Over 98.4 kW ~ 135.2 kW and below
		MXJ-YA4422M	Over 135.2 kW
Y-Joint (Only H/R)		MXJ-YA1500M	22.4 kW and below
		MXJ-YA2500M	Over 22.4 kW ~ 70.3 kW and below
		MXJ-YA3100M	Over 70.3 kW ~ 135.2 kW and below
		MXJ-YA3800M	Over 135.2 kW
Y-Joint Outdoor Unit		MXJ-TA3419M	135.2 kW and below
		MXJ-TA4122M	140.2 kW and Over
Y-Joint (Only H/R) Outdoor Unit		MXJ-TA3100M	135.2 kW and below
		MXJ-TA3800M	140.2 kW and Over
Distribution Header		MXJ-HA2512M	45.0 kW and below (for 4 rooms)
		MXJ-HA3115M	70.3 kW and below (for 8 rooms)
		MXJ-HA3819M	Over 70.3 kW ~ 135.2 kW and below (for 8 rooms)
MCU		MCU-S6NEE1N	~56 kW, ~6 indoor units
		MCU-S4NEE1N	~56 kW, ~4 indoor units
		MCU-S4NEE2N	~56 kW, ~6 indoor units
		MCU-S2NETK1N	~28 kW, ~2 indoor units
EEV KIT		MEV-E24SA	1 Indoor
		MEV-E32SA	
		MXD-E24K132A	2 Indoor
		MXD-E24K200A	
		MXD-E32K200A	
		MXD-E24K232A	3 Indoor
		MXD-E24K300A	
		MXD-E32K224A	
		MXD-E32K300A	
PDM KIT		MXD-A38K2A	8~12 HP
		MXD-A12K2A	14~16 HP
		MXD-A58K2A	18~26 HP

NOTE

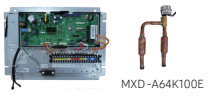
- In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.Samsung.com site.

11. Accessory

Indoor

Product	Image	Model	Remark
Panel		PC1NUSMAN	Slim 1Way Cassette
		PC1NUPMAN	Slim 1Way Cassette (Z-sliding)
		PC1MWSKAN	1Way Cassette (1.7 kW, 2.2 kW)
		PC2NUSMEN	2Way Cassette
		PC4SUSMAN	4Way Cassette S (600x600) (Waffle)
		PC4SUSMEN	4Way Cassette S (600x600) (Classic)
		PC4NUSKAN	4way Cassette S (Waffle)
		PC4NUSKEN	4way Cassette S (Classic)
		PC4NBSKAN	4way Cassette S (Waffle, Black)
		PC4NUDMAN	360 CST Square (White)
		PC4NUNMAN	360 CST Circular (White)
		PC4NBDMAN	360 CST Square (Black)
		PC4NBNMAN	360 CST Circular (Black)
S-Plasma Ion KIT		MSD-CAN1	[Option] 1Way, 4Way, 4Way (600x600), 360, Big Ceiling [Include] Console
		MSD-ENA1	[Option] Duct S, Big Duct, ERV, ERV Plus
Motion detect Sensor		MCR-SMA	4Way Cassette S (600x600)

11. Accessory

Product	Image	Model	Remark			
ERV CO2 Sensor		MOS-C1	ERV, ERV PLUS			
External room sensor		MRW-TA	Casssette, Wall-mount, Ceiling, Duct, Console			
Drain Pump		MDP-N047SNC0D	OAP Duct (14.0 kW)			
		MDP-N047SNC1D	HSP Duct (22.0 / 28.0 kW) OAP Duct (22.4 / 28.0 kW)			
		MDP-M075SGU1D	MSP Duct (9.2 / 11.2 kW)			
		MDP-M075SGU2D	MSP Duct (12.8 / 14.0 kW) HSP Duct (11.2 / 12.8 / 14.0 kW)			
		MDP-M075SGU3D	MSP Duct (5.6 / 7.1 kW)			
		MDP-E075SEE3D	Slim Duct (2.0~14.0 kW)			
		MDP-G075SP	Duct S (External, All Capacities)			
		MDP-G075SQ	Duct S (Internal, 3.5 kW~14 kW)			
AHU KIT		MXD-K025AN	7.0 kW~8.75 kW			
		MXD-K050AN	14.0 kW~17.5 kW			
		MXD-K075AN	21.0 kW~26.25 kW			
		MXD-K100AN	28.0 kW~35.0 kW			
		MCM-D201N	28kW~35kW	56kW~70kW	84kW~105kW	112kW~140kW
			MDX-A64K100E X 1 EA	MDX-A64K100E X 2 EA	MDX-A64K100E X 3 EA	MDX-A64K100E X 4 EA

NOTE

- In case you want more information about the accessories, please refer to the control and accessories TDB on pvi.Samsung.com site.

11. Accessory

Indoor & Indoor Accessory Compatibility

Product	Model	Remark	1way			2way	4way	360	4W (600x600)	Slim duct	MSP Duct				Duct-S	Big Duct	Fresh Duct		RAC	Ceiling	B-Ceiling	Console	PAC	Floor Standing	ERV Plus	AHU
			JSF-0	JSF-1	JSF-2						MSP-S	MSP-0	MSP-1	MSP-2			5HP	8,10HP								
Panel	PC4NUDMAN	Ceiling						O																		
	PC4NBDMAN	Ceiling (Black)						O																		
	PC4NUNMAN	Open						O																		
	PC4NBNMAN	Open (Black)						O																		
	PC4NUSKAN	Waffle					O																			
	PC4NBSKAN	Waffle (Black)					O																			
	PC4NUSKEN	Classic					O																			
	PC4SUSMAN	Waffle							O																	
	PC4SUSMEN	Classic							O																	
	PC1NUSMAN	Stripe		O																						
	PC1NUPMAN	Z-Slide		O																						
	PC1MWSKAN	Fluid	O																							
	PC1NWSMAN			O																						
	PC1BWSMAN				O																					
	PC2NUSMEN	Stripe				O																				
DRAIN PUMP	MDP-N047SNC0D	-															O									
	MDP-N047SNC1D	-																O								
	MDP-M075SGU1D	-										O	O													
	MDP-M075SGU2D	-												O												
	MDP-M075SGU3D	-									O															
	MDP-E075SEE3D	-								O																
	MDP-G075SP	External, All Capacities													O											
	MDP-G075SQ	Internal													O											
S-Plasma Ion KIT	MSD-CAN1	-					O		O																	
	MSD-EAN1	-																							O	
Motion detect Sensor	MCR-SMA	-							O																	
ERV CO2 Sensor	MOS-C1	-																							O	
EEV KITS	MEV-E**SA	1 Indoor																	O							
	MXD-E**K***A	2,3 Indoor																	O							
MCU-KIT	MCU-S6NEE1N	Below 6 IDU, below 56 Kw	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
	MCU-S4NEE1N	Below 4 IDU, below 56 kW	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
	MCU-S4NEE2N	Below 2 large capa IDU, below 56 kW	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
	MCU-S2NEK1N	Below 2 IDU, below 28 kW	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
AHU-KIT	MXD-K025AN	only for 2.5Hp's AHU																								O
	MXD-K050AN	only for 5Hp's AHU																								O
	MXD-K075AN	only for 7.5Hp's AHU																								O
	MXD-K100AN	only for 10Hp's AHU																								O
	MCM-D201N	only for 10~40Hp's AHU																								O

NOTE

- In case you want to know more information the accessories, please refer to the control and accessories TDB on pvi.samsung.com site

12. Capacity Table

1-1. AM080FXWANR✳✳✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	40	22.6	1.47	18.6	24.8	1.75	19.5	26.6	1.91	20.2	28.6	2.03	21.0	29.4	2.05	21.3
	10	80	22.6	1.36	14.3	24.8	1.61	14.7	26.6	1.82	15.1	28.6	1.92	15.5	29.4	1.92	15.6
	10	120	22.6	1.34	12.9	24.8	1.61	13.2	26.6	1.73	13.4	28.6	1.88	13.6	29.4	1.92	13.7
	15	40	22.2	1.89	23.6	24.4	2.24	24.5	26.2	2.49	25.3	28.1	2.61	26.0	28.9	2.67	26.3
	15	80	22.2	1.76	19.3	24.4	2.08	19.7	26.2	2.32	20.1	28.1	2.44	20.5	28.9	2.49	20.6
	15	120	22.2	1.71	17.9	24.4	2.02	18.2	26.2	2.24	18.4	28.1	2.35	18.6	28.9	2.42	18.7
	20	40	21.8	2.26	28.6	24.1	2.64	29.6	25.9	2.95	30.3	27.7	3.09	31.0	28.5	3.16	31.3
	20	80	21.8	2.21	24.3	24.1	2.60	24.8	25.9	2.91	25.2	27.7	3.05	25.5	28.5	3.11	25.7
	20	120	21.8	2.14	22.9	24.1	2.52	23.2	25.9	2.82	23.4	27.7	2.94	23.7	28.5	3.03	23.8
	25	40	21.8	2.83	33.8	24.1	3.33	34.8	25.9	3.71	35.6	27.7	3.90	36.3	28.5	3.97	36.6
	25	80	21.8	2.65	29.4	24.1	3.11	29.9	25.9	3.46	30.3	27.7	3.65	30.6	28.5	3.71	30.8
	25	120	21.8	2.55	27.9	24.1	3.01	28.2	25.9	3.35	28.5	27.7	3.52	28.7	28.5	3.62	28.8
	30	40	21.8	3.32	39.0	24.1	3.90	40.0	25.9	4.36	40.9	27.7	4.57	41.6	28.5	4.65	41.9
	30	80	21.8	3.27	34.5	24.1	3.84	35.0	25.9	4.28	35.4	27.7	4.50	35.8	28.5	4.59	35.9
	30	120	21.8	3.16	33.0	24.1	3.72	33.3	25.9	4.15	33.6	27.7	4.36	33.8	28.5	4.47	33.9
	35	40	20.6	3.46	43.6	22.8	4.07	44.6	24.5	4.54	45.4	26.3	4.76	46.1	26.9	4.84	46.4
	35	80	20.6	3.39	39.3	22.8	4.00	39.8	24.5	4.46	40.2	26.3	4.69	40.6	26.9	4.79	40.7
	35	120	20.6	3.30	37.9	22.8	3.88	38.2	24.5	4.32	38.4	26.3	4.54	38.7	26.9	4.66	38.8
	40	40	17.3	3.60	47.5	19.0	4.24	48.3	20.5	4.73	49.0	21.9	4.96	49.6	22.5	5.06	49.9
	40	80	17.4	3.54	43.8	19.2	4.17	44.2	20.7	4.64	44.5	22.1	4.88	44.8	22.7	4.99	45.0
	40	120	17.7	3.43	42.5	19.5	4.03	42.8	20.9	4.50	43.0	22.4	4.72	43.2	23.1	4.87	43.3
	45	40	14.4	3.72	51.5	15.8	4.38	52.2	17.0	4.88	52.8	18.2	5.11	53.4	18.7	5.22	53.6
	45	80	14.5	3.66	48.3	15.9	4.30	48.6	17.1	4.79	48.9	18.4	5.05	49.2	18.9	5.15	49.3
	45	120	14.7	3.54	47.2	16.2	4.16	47.4	17.4	4.65	47.6	18.6	4.88	47.8	19.1	5.03	47.9
120	10	40	21.4	1.39	18.2	23.5	1.65	19.0	25.3	1.82	19.7	27.1	1.92	20.4	27.8	1.94	20.6
	10	80	21.4	1.30	14.1	23.5	1.54	14.5	25.3	1.73	14.8	27.1	1.81	15.2	27.8	1.81	15.3
	10	120	21.4	1.24	12.7	23.5	1.52	13.0	25.3	1.63	13.2	27.1	1.78	13.4	27.8	1.84	13.5
	15	40	21.1	1.81	23.2	23.2	2.14	24.1	25.0	2.39	24.8	26.8	2.50	25.5	27.4	2.54	25.7
	15	80	21.1	1.69	19.1	23.2	1.99	19.5	25.0	2.22	19.9	26.8	2.33	20.2	27.4	2.38	20.3
	15	120	21.1	1.63	17.7	23.2	1.94	18.0	25.0	2.14	18.2	26.8	2.25	18.5	27.4	2.32	18.6
	20	40	20.9	2.17	28.3	22.9	2.54	29.1	24.7	2.83	29.9	26.5	2.97	30.6	27.2	3.03	30.8
	20	80	20.9	2.12	24.1	22.9	2.49	24.6	24.7	2.79	24.9	26.5	2.93	25.3	27.2	2.98	25.4
	20	120	20.9	2.06	22.7	22.9	2.43	23.0	24.7	2.70	23.3	26.5	2.83	23.5	27.2	2.91	23.6
	25	40	20.9	2.72	33.5	22.9	3.20	34.4	24.7	3.55	35.1	26.5	3.74	35.8	27.2	3.80	36.1
	25	80	20.9	2.53	29.2	22.9	2.99	29.6	24.7	3.32	30.0	26.5	3.49	30.4	27.2	3.55	30.5
	25	120	20.9	2.44	27.8	22.9	2.88	28.1	24.7	3.21	28.3	26.5	3.37	28.6	27.2	3.45	28.7
	30	40	20.9	3.21	38.6	22.9	3.77	39.6	24.7	4.21	40.4	26.5	4.41	41.1	27.2	4.49	41.4
	30	80	20.9	3.15	34.3	22.9	3.71	34.8	24.7	4.13	35.2	26.5	4.35	35.5	27.2	4.43	35.7
	30	120	20.9	3.05	32.9	22.9	3.59	33.2	24.7	4.01	33.4	26.5	4.21	33.7	27.2	4.31	33.8
	35	40	20.1	3.38	43.4	22.1	3.99	44.4	23.8	4.44	45.1	25.5	4.65	45.8	26.2	4.74	46.1
	35	80	20.1	3.32	39.2	22.1	3.92	39.7	23.8	4.37	40.1	25.5	4.59	40.4	26.2	4.68	40.5
	35	120	20.1	3.22	37.8	22.1	3.80	38.1	23.8	4.22	38.4	25.5	4.44	38.6	26.2	4.56	38.7
	40	40	17.1	3.59	47.4	18.9	4.23	48.3	20.3	4.72	49.0	21.7	4.95	49.5	22.3	5.05	49.8
	40	80	17.3	3.53	43.7	19.0	4.17	44.2	20.5	4.63	44.5	21.9	4.87	44.8	22.5	4.97	44.9
	40	120	17.5	3.42	42.5	19.3	4.04	42.8	20.8	4.50	43.0	22.2	4.72	43.2	22.8	4.84	43.3
	45	40	14.6	3.77	51.6	16.1	4.45	52.4	17.4	4.96	53.0	18.5	5.20	53.5	19.0	5.31	53.7
	45	80	14.7	3.72	48.3	16.2	4.37	48.7	17.5	4.87	49.0	18.7	5.12	49.3	19.2	5.23	49.4
	45	120	14.9	3.59	47.2	16.5	4.24	47.5	17.8	4.73	47.7	18.9	4.97	47.9	19.4	5.08	47.9
110	10	40	20.2	1.30	17.7	22.1	1.56	18.5	23.8	1.71	19.2	25.5	1.81	19.8	26.2	1.83	20.0
	10	80	20.2	1.22	13.8	22.1	1.45	14.2	23.8	1.63	14.6	25.5	1.72	14.9	26.2	1.70	15.0
	10	120	20.2	1.18	12.5	22.1	1.42	12.8	23.8	1.56	13.0	25.5	1.68	13.3	26.2	1.72	13.3
	15	40	20.0	1.72	22.8	22.0	2.04	23.6	23.7	2.28	24.3	25.4	2.38	25.0	26.1	2.43	25.2
	15	80	20.0	1.61	18.9	22.0	1.89	19.3	23.7	2.12	19.6	25.4	2.23	19.9	26.1	2.27	20.1
	15	120	20.0	1.56	17.6	22.0	1.84	17.8	23.7	2.05	18.1	25.4	2.15	18.3	26.1	2.20	18.4
	20	40	19.9	2.08	27.9	21.9	2.44	28.7	23.6	2.72	29.4	25.2	2.85	30.1	25.9	2.91	30.3
	20	80	19.9	2.04	23.9	21.9	2.39	24.4	23.6	2.68	24.7	25.2	2.81	25.0	25.9	2.86	25.2
	20	120	19.9	1.98	22.6	21.9	2.33	22.9	23.6	2.60	23.1	25.2	2.72	23.3	25.9	2.78	23.4
	25	40	19.9	2.60	33.1	21.9	3.06	33.9	23.6	3.40	34.7	25.2	3.57	35.3	25.9	3.64	35.6
	25	80	19.9	2.43	29.0	21.9	2.85	29.4	23.6	3.18	29.8	25.2	3.33	30.1	25.9	3.39	30.3
	25	120	19.9	2.33	27.7	21.9	2.75	27.9	23.6	3.07	28.2	25.2	3.22	28.4	25.9	3.29	28.5
	30	40	19.9	3.09	38.2	21.9	3.64	39.1	23.6	4.06	39.9	25.2	4.26	40.6	25.9	4.33	40.8
	30	80	19.9	3.04	34.1	21.9	3.58	34.6	23.6	3.98	34.9	25.2	4.19	35.3	25.9	4.26	35.4
	30	120	19.9	2.94	32.7	21.9	3.47	33.0	23.6	3.86	33.3	25.2	4.06	33.5	25.9	4.14	33.6
	35	40	19.5	3.31	43.2	21.5	3.90	44.1	23.1	4.35	44.8	24.8	4.55	45.5	25.4	4.64	45.8
	35	80	19.5	3.25	39.1	21.5	3.83	39.5	23.1	4.27	39.9	24.8	4.48	40.2	25.4	4.57	40.4
	35	120	19.5	3.15	37.7	21.5	3.72	38.0	23.1	4.13	38.2	24.8	4.34	38.5	25.4	4.44	38.6
	40	40	17.0	3.59	47.4	18.7	4.23	48.2	20.1	4.71	48.9	21.5	4.94	49.5	22.2	5.04	49.7
	40	80	17.1	3.52	43.7	18.9	4.16	44.1	20.3	4.63	44.5	21.7	4.86	44.8	22.3	4.96	44.9
	40	120	17.3	3.42	42.5	19.1	4.03	42.8	20.5	4.49	43.0	22.0	4.72	43.2	22.7	4.82	43.3
	45	40	14.9	3.85	51.7	16.3	4.52	52.5	17.6	5.04	53.1	18.9	5.28	53.7	19.4	5.39	53.9
	45	80	15.0	3.77	48.4	16.5	4.44	48.7	17.7	4.95	49.1	19.0	5.21	49.3	19.5	5.30	49.5
	45	120	15.2	3.64	47.2	16.7	4.31	47.5	18.0	4.80	47.7	19.3	5.05	47.9	19.8	5.14	48.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	40	18.9	1.24	17.2	20.8	1.46	18.0	22.4	1.62	18.6	24.0	1.70	19.2	24.6	1.73	19.5
	10	80	18.9	1.15	13.6	20.8	1.36	14.0	22.4	1.54	14.3	24.0	1.61	14.6	24.6	1.61	14.7
	10	120	18.9	1.11	12.4	20.8	1.34	12.6	22.4	1.46	12.8	24.0	1.58	13.1	24.6	1.61	13.1
	15	40	18.9	1.65	22.4	20.8	1.94	23.2	22.4	2.16	23.8	24.0	2.27	24.4	24.6	2.31	24.7
	15	80	18.9	1.54	18.7	20.8	1.81	19.1	22.4	2.02	19.4	24.0	2.12	19.7	24.6	2.16	19.8
	15	120	18.9	1.49	17.4	20.8	1.75	17.7	22.4	1.95	17.9	24.0	2.05	18.1	24.6	2.08	18.2
	20	40	18.9	1.99	27.5	20.8	2.34	28.3	22.4	2.61	29.0	24.0	2.74	29.6	24.6	2.79	29.8
	20	80	18.9	1.95	23.7	20.8	2.30	24.1	22.4	2.56	24.5	24.0	2.69	24.8	24.6	2.74	24.9
	20	120	18.9	1.89	22.5	20.8	2.23	22.8	22.4	2.49	23.0	24.0	2.61	23.2	24.6	2.66	23.3
	25	40	18.9	2.48	32.7	20.8	2.92	33.5	22.4	3.25	34.2	24.0	3.41	34.8	24.6	3.47	35.1
	25	80	18.9	2.31	28.8	20.8	2.72	29.2	22.4	3.03	29.6	24.0	3.18	29.9	24.6	3.24	30.0
	25	120	18.9	2.23	27.5	20.8	2.63	27.8	22.4	2.93	28.0	24.0	3.07	28.2	24.6	3.13	28.3
	30	40	18.9	2.98	37.8	20.8	3.51	38.7	22.4	3.91	39.4	24.0	4.10	40.1	24.6	4.18	40.3
	30	80	18.9	2.93	33.9	20.8	3.45	34.4	22.4	3.84	34.7	24.0	4.03	35.0	24.6	4.10	35.2
	30	120	18.9	2.84	32.6	20.8	3.34	32.9	22.4	3.72	33.1	24.0	3.90	33.3	24.6	3.98	33.4
	35	40	18.9	3.24	42.9	20.8	3.81	43.8	22.4	4.24	44.5	24.0	4.45	45.2	24.6	4.54	45.5
	35	80	18.9	3.18	39.0	20.8	3.75	39.4	22.4	4.17	39.8	24.0	4.38	40.1	24.6	4.46	40.2
	35	120	18.9	3.08	37.6	20.8	3.63	37.9	22.4	4.04	38.2	24.0	4.24	38.4	24.6	4.32	38.5
	40	40	16.8	3.59	47.3	18.5	4.22	48.2	19.9	4.70	48.8	21.4	4.93	49.4	21.9	5.03	49.7
	40	80	16.9	3.52	43.7	18.7	4.15	44.1	20.1	4.62	44.4	21.6	4.85	44.7	22.1	4.94	44.8
	40	120	17.2	3.42	42.5	19.0	4.02	42.7	20.4	4.48	43.0	21.9	4.70	43.2	22.4	4.79	43.2
	45	40	15.1	3.90	51.8	16.6	4.59	52.6	17.9	5.12	53.2	19.2	5.37	53.8	19.7	5.47	54.0
	45	80	15.2	3.84	48.4	16.8	4.52	48.8	18.0	5.03	49.1	19.4	5.28	49.4	19.8	5.38	49.5
	45	120	15.4	3.72	47.3	17.0	4.38	47.6	18.3	4.88	47.8	19.6	5.12	48.0	20.1	5.21	48.0
90	10	40	17.0	1.06	15.8	18.8	1.24	16.5	20.2	1.39	17.0	21.7	1.45	17.5	22.2	1.48	17.6
	10	80	17.0	1.04	12.9	18.8	1.22	13.2	20.2	1.36	13.5	21.7	1.43	13.7	22.2	1.46	13.8
	10	120	17.0	1.01	11.9	18.8	1.18	12.1	20.2	1.32	12.3	21.7	1.38	12.5	22.2	1.41	12.5
	15	40	17.0	1.41	20.9	18.8	1.66	21.6	20.2	1.85	22.1	21.7	1.94	22.6	22.2	1.98	22.8
	15	80	17.0	1.39	18.0	18.8	1.63	18.3	20.2	1.82	18.6	21.7	1.91	18.8	22.2	1.94	18.9
	15	120	17.0	1.34	17.0	18.8	1.58	17.2	20.2	1.76	17.4	21.7	1.85	17.5	22.2	1.88	17.6
	20	40	17.0	1.70	26.0	18.8	2.00	26.7	20.2	2.23	27.2	21.7	2.34	27.7	22.2	2.38	27.9
	20	80	17.0	1.67	23.0	18.8	1.97	23.3	20.2	2.19	23.6	21.7	2.30	23.9	22.2	2.34	24.0
	20	120	17.0	1.62	22.0	18.8	1.91	22.2	20.2	2.12	22.4	21.7	2.23	22.6	22.2	2.27	22.6
	25	40	17.0	2.12	31.2	18.8	2.49	31.9	20.2	2.78	32.4	21.7	2.91	32.9	22.2	2.97	33.1
	25	80	17.0	2.08	28.1	18.8	2.45	28.4	20.2	2.73	28.7	21.7	2.86	29.0	22.2	2.92	29.1
	25	120	17.0	2.02	27.0	18.8	2.37	27.3	20.2	2.65	27.5	21.7	2.78	27.6	22.2	2.83	27.7
	30	40	17.0	2.54	36.3	18.8	2.99	37.0	20.2	3.34	37.6	21.7	3.50	38.1	22.2	3.57	38.3
	30	80	17.0	2.50	33.1	18.8	2.94	33.5	20.2	3.28	33.8	21.7	3.44	34.0	22.2	3.51	34.1
	30	120	17.0	2.42	32.1	18.8	2.85	32.3	20.2	3.18	32.5	21.7	3.34	32.7	22.2	3.40	32.8
	35	40	17.0	2.76	41.4	18.8	3.25	42.1	20.2	3.63	42.7	21.7	3.80	43.2	22.2	3.88	43.4
	35	80	17.0	2.72	38.2	18.8	3.20	38.5	20.2	3.56	38.8	21.7	3.74	39.1	22.2	3.81	39.2
	35	120	17.0	2.63	37.1	18.8	3.10	37.4	20.2	3.45	37.5	21.7	3.62	37.7	22.2	3.69	37.8
	40	40	15.1	3.06	45.9	16.7	3.61	46.6	18.0	4.02	47.1	19.3	4.21	47.6	19.8	4.29	47.8
	40	80	15.3	3.01	42.9	16.9	3.54	43.3	18.1	3.95	43.6	19.4	4.14	43.8	19.9	4.22	43.9
	40	120	15.5	2.92	42.0	17.1	3.44	42.2	18.4	3.83	42.4	19.7	4.02	42.6	20.2	4.09	42.6
	45	40	13.6	3.33	50.5	15.0	3.92	51.1	16.1	4.37	51.6	17.3	4.59	52.1	17.7	4.67	52.2
	45	80	13.7	3.28	47.7	15.1	3.86	48.1	16.3	4.30	48.3	17.5	4.51	48.5	17.9	4.59	48.6
	45	120	13.9	3.18	46.8	15.4	3.74	47.1	16.5	4.17	47.2	17.7	4.37	47.4	18.2	4.45	47.4
80	10	40	15.1	0.87	15.1	16.7	1.02	15.7	17.9	1.14	16.1	19.2	1.19	16.6	19.7	1.21	16.7
	10	80	15.1	0.85	12.6	16.7	1.00	12.8	17.9	1.12	13.1	19.2	1.17	13.3	19.7	1.19	13.4
	10	120	15.1	0.83	11.7	16.7	0.97	11.9	17.9	1.08	12.0	19.2	1.14	12.2	19.7	1.16	12.2
	15	40	15.1	1.16	20.2	16.7	1.36	20.8	17.9	1.52	21.3	19.2	1.59	21.7	19.7	1.62	21.9
	15	80	15.1	1.14	17.6	16.7	1.34	17.9	17.9	1.49	18.1	19.2	1.56	18.3	19.7	1.59	18.4
	15	120	15.1	1.10	16.7	16.7	1.30	16.9	17.9	1.44	17.1	19.2	1.52	17.2	19.7	1.54	17.3
	20	40	15.1	1.39	25.3	16.7	1.64	25.9	17.9	1.83	26.4	19.2	1.92	26.8	19.7	1.95	27.0
	20	80	15.1	1.37	22.7	16.7	1.61	22.9	17.9	1.80	23.2	19.2	1.88	23.4	19.7	1.92	23.5
	20	120	15.1	1.33	21.8	16.7	1.56	22.0	17.9	1.74	22.1	19.2	1.83	22.3	19.7	1.86	22.3
	25	40	15.1	1.74	30.4	16.7	2.04	31.0	17.9	2.28	31.5	19.2	2.39	32.0	19.7	2.43	32.1
	25	80	15.1	1.71	27.7	16.7	2.01	28.0	17.9	2.24	28.2	19.2	2.35	28.5	19.7	2.39	28.6
	25	120	15.1	1.65	26.8	16.7	1.95	27.0	17.9	2.17	27.2	19.2	2.28	27.3	19.7	2.32	27.4
	30	40	15.1	2.09	35.5	16.7	2.46	36.2	17.9	2.74	36.7	19.2	2.87	37.1	19.7	2.92	37.3
	30	80	15.1	2.05	32.8	16.7	2.41	33.1	17.9	2.69	33.3	19.2	2.82	33.6	19.7	2.87	33.6
	30	120	15.1	1.99	31.8	16.7	2.34	32.0	17.9	2.61	32.2	19.2	2.74	32.4	19.7	2.79	32.4
	35	40	15.1	2.27	40.6	16.7	2.67	41.2	17.9	2.97	41.7	19.2	3.12	42.2	19.7	3.18	42.4
	35	80	15.1	2.23	37.8	16.7	2.62	38.1	17.9	2.92	38.4	19.2	3.07	38.6	19.7	3.12	38.7
	35	120	15.1	2.16	36.9	16.7	2.54	37.1	17.9	2.83	37.2	19.2	2.97	37.4	19.7	3.03	37.4
	40	40	13.4	2.51	45.1	14.8	2.96	45.7	15.9	3.29	46.2	17.1	3.46	46.6	17.5	3.52	46.8
	40	80	13.5	2.47	42.6	14.9	2.91	42.9	16.1	3.24	43.1	17.2	3.40	43.3	17.7	3.46	43.4
	40	120	13.7	2.39	41.7	15.2	2.82	41.9	16.3	3.14	42.1	17.5	3.29	42.2	17.9	3.35	42.3
	45	40	12.0	2.73	49.8	13.3	3.22	50.3	14.3	3.59	50.8	15.3	3.76	51.2	15.7	3.83	51.3
	45	80	12.2	2.69	47.4	13.4	3.16	47.7	14.4	3.53	47.9	15.5	3.70	48.1	15.9	3.77	48.2
	45	120	12.3	2.60	46.6	13.6	3.07	46.8	14.6	3.42	46.9	15.7	3.58	47.1	16.1	3.65	47.1

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	40	13.2	0.73	14.5	14.6	0.86	15.0	15.7	0.96	15.4	16.8	1.01	15.8	17.3	1.03	15.9
	10	80	13.2	0.72	12.3	14.6	0.85	12.5	15.7	0.95	12.7	16.8	0.99	12.9	17.3	1.01	12.9
	10	120	13.2	0.70	11.5	14.6	0.82	11.7	15.7	0.92	11.8	16.8	0.96	11.9	17.3	0.98	12.0
	15	40	13.2	0.98	19.6	14.6	1.15	20.1	15.7	1.29	20.5	16.8	1.35	20.9	17.3	1.37	21.0
	15	80	13.2	0.96	17.3	14.6	1.13	17.5	15.7	1.26	17.7	16.8	1.33	17.9	17.3	1.35	18.0
	15	120	13.2	0.93	16.5	14.6	1.10	16.7	15.7	1.22	16.8	16.8	1.28	16.9	17.3	1.31	17.0
	20	40	13.2	1.18	24.6	14.6	1.39	25.2	15.7	1.55	25.6	16.8	1.63	26.0	17.3	1.66	26.1
	20	80	13.2	1.16	22.3	14.6	1.37	22.6	15.7	1.52	22.8	16.8	1.60	23.0	17.3	1.63	23.0
	20	120	13.2	1.13	21.5	14.6	1.32	21.7	15.7	1.48	21.8	16.8	1.55	22.0	17.3	1.58	22.0
	25	40	13.2	1.47	29.7	14.6	1.73	30.3	15.7	1.93	30.7	16.8	2.02	31.1	17.3	2.06	31.2
	25	80	13.2	1.45	27.4	14.6	1.70	27.6	15.7	1.90	27.8	16.8	1.99	28.0	17.3	2.03	28.1
	25	120	13.2	1.40	26.6	14.6	1.65	26.7	15.7	1.84	26.9	16.8	1.93	27.0	17.3	1.97	27.1
	30	40	13.2	1.77	34.8	14.6	2.08	35.4	15.7	2.32	35.8	16.8	2.43	36.2	17.3	2.48	36.4
	30	80	13.2	1.74	32.4	14.6	2.05	32.7	15.7	2.28	32.9	16.8	2.39	33.1	17.3	2.44	33.2
	30	120	13.2	1.68	31.6	14.6	1.98	31.8	15.7	2.21	31.9	16.8	2.32	32.1	17.3	2.36	32.1
	35	40	13.2	1.92	39.9	14.6	2.26	40.4	15.7	2.52	40.9	16.8	2.64	41.3	17.3	2.69	41.4
	35	80	13.2	1.89	37.4	14.6	2.22	37.7	15.7	2.48	37.9	16.8	2.60	38.1	17.3	2.65	38.2
	35	120	13.2	1.83	36.6	14.6	2.16	36.8	15.7	2.40	36.9	16.8	2.52	37.1	17.3	2.57	37.1
	40	40	11.8	2.13	44.5	13.0	2.51	45.0	14.0	2.79	45.4	15.0	2.93	45.8	15.4	2.98	45.9
	40	80	11.9	2.09	42.3	13.1	2.46	42.5	14.1	2.75	42.7	15.1	2.88	42.9	15.5	2.93	43.0
	40	120	12.0	2.03	41.5	13.3	2.39	41.7	14.3	2.66	41.8	15.3	2.79	41.9	15.7	2.84	42.0
	45	40	10.6	2.32	49.2	11.7	2.73	49.6	12.5	3.04	50.0	13.5	3.19	50.4	13.8	3.25	50.5
	45	80	10.7	2.28	47.1	11.8	2.68	47.3	12.6	2.99	47.5	13.6	3.13	47.7	13.9	3.19	47.8
	45	120	10.8	2.21	46.4	11.9	2.60	46.6	12.8	2.90	46.7	13.8	3.04	46.8	14.1	3.09	46.8
60	10	40	11.3	0.57	13.8	12.5	0.67	14.2	13.4	0.75	14.6	14.4	0.79	14.9	14.7	0.80	15.0
	10	80	11.3	0.56	11.9	12.5	0.66	12.1	13.4	0.74	12.3	14.4	0.78	12.4	14.7	0.79	12.5
	10	120	11.3	0.55	11.3	12.5	0.64	11.4	13.4	0.72	11.5	14.4	0.75	11.6	14.7	0.77	11.7
	15	40	11.3	0.76	18.9	12.5	0.90	19.3	13.4	1.00	19.6	14.4	1.05	20.0	14.7	1.07	20.1
	15	80	11.3	0.75	16.9	12.5	0.89	17.2	13.4	0.99	17.3	14.4	1.03	17.5	14.7	1.05	17.5
	15	120	11.3	0.73	16.3	12.5	0.86	16.4	13.4	0.96	16.5	14.4	1.00	16.7	14.7	1.02	16.7
	20	40	11.3	0.92	23.9	12.5	1.09	24.4	13.4	1.21	24.7	14.4	1.27	25.0	14.7	1.29	25.2
	20	80	11.3	0.91	22.0	12.5	1.07	22.2	13.4	1.19	22.4	14.4	1.25	22.5	14.7	1.27	22.6
	20	120	11.3	0.88	21.3	12.5	1.03	21.5	13.4	1.15	21.6	14.4	1.21	21.7	14.7	1.23	21.7
	25	40	11.3	1.15	29.0	12.5	1.35	29.5	13.4	1.51	29.8	14.4	1.58	30.1	14.7	1.61	30.3
	25	80	11.3	1.13	27.0	12.5	1.33	27.2	13.4	1.48	27.4	14.4	1.55	27.6	14.7	1.58	27.6
	25	120	11.3	1.09	26.3	12.5	1.29	26.5	13.4	1.44	26.6	14.4	1.51	26.7	14.7	1.53	26.7
	30	40	11.3	1.38	34.1	12.5	1.63	34.5	13.4	1.81	34.9	14.4	1.90	35.2	14.7	1.94	35.4
	30	80	11.3	1.36	32.0	12.5	1.60	32.3	13.4	1.78	32.4	14.4	1.87	32.6	14.7	1.90	32.7
	30	120	11.3	1.32	31.4	12.5	1.55	31.5	13.4	1.73	31.6	14.4	1.81	31.7	14.7	1.84	31.8
	35	40	11.3	1.50	39.1	12.5	1.77	39.6	13.4	1.97	40.0	14.4	2.06	40.3	14.7	2.10	40.4
	35	80	11.3	1.47	37.1	12.5	1.74	37.3	13.4	1.93	37.5	14.4	2.03	37.6	14.7	2.07	37.7
	35	120	11.3	1.43	36.4	12.5	1.68	36.5	13.4	1.87	36.6	14.4	1.97	36.8	14.7	2.00	36.8
	40	40	10.0	1.66	43.8	11.1	1.96	44.2	11.9	2.18	44.5	12.8	2.29	44.9	13.1	2.33	45.0
	40	80	10.1	1.63	41.9	11.2	1.92	42.1	12.0	2.14	42.3	12.9	2.25	42.4	13.2	2.29	42.5
	40	120	10.3	1.58	41.3	11.3	1.86	41.4	12.2	2.08	41.5	13.1	2.18	41.6	13.4	2.22	41.7
	45	40	9.0	1.81	48.5	10.0	2.13	48.9	10.7	2.37	49.2	11.5	2.49	49.5	11.8	2.54	49.6
	45	80	9.1	1.78	46.8	10.0	2.09	47.0	10.8	2.33	47.1	11.6	2.45	47.3	11.9	2.49	47.3
	45	120	9.2	1.72	46.2	10.2	2.03	46.3	10.9	2.26	46.4	11.7	2.37	46.5	12.0	2.42	46.6
50	10	40	9.4	0.43	13.2	10.4	0.50	13.5	11.2	0.56	13.8	12.0	0.59	14.1	12.3	0.60	14.2
	10	80	9.4	0.42	11.6	10.4	0.50	11.8	11.2	0.55	11.9	12.0	0.58	12.0	12.3	0.59	12.1
	10	120	9.4	0.41	11.1	10.4	0.48	11.2	11.2	0.54	11.3	12.0	0.56	11.4	12.3	0.57	11.4
	15	40	9.4	0.57	18.2	10.4	0.67	18.6	11.2	0.75	18.9	12.0	0.79	19.1	12.3	0.80	19.2
	15	80	9.4	0.56	16.6	10.4	0.66	16.8	11.2	0.74	16.9	12.0	0.77	17.1	12.3	0.79	17.1
	15	120	9.4	0.54	16.1	10.4	0.64	16.2	11.2	0.71	16.3	12.0	0.75	16.4	12.3	0.76	16.4
	20	40	9.4	0.69	23.3	10.4	0.81	23.6	11.2	0.90	23.9	12.0	0.95	24.2	12.3	0.97	24.3
	20	80	9.4	0.68	21.6	10.4	0.80	21.8	11.2	0.89	21.9	12.0	0.93	22.1	12.3	0.95	22.1
	20	120	9.4	0.66	21.1	10.4	0.77	21.2	11.2	0.86	21.3	12.0	0.90	21.4	12.3	0.92	21.4
	25	40	9.4	0.86	28.3	10.4	1.01	28.7	11.2	1.13	29.0	12.0	1.18	29.3	12.3	1.20	29.4
	25	80	9.4	0.84	26.7	10.4	0.99	26.8	11.2	1.11	27.0	12.0	1.16	27.1	12.3	1.18	27.2
	25	120	9.4	0.82	26.1	10.4	0.96	26.2	11.2	1.07	26.3	12.0	1.13	26.4	12.3	1.15	26.4
	30	40	9.4	1.03	33.4	10.4	1.21	33.8	11.2	1.35	34.0	12.0	1.42	34.3	12.3	1.45	34.4
	30	80	9.4	1.01	31.7	10.4	1.19	31.9	11.2	1.33	32.0	12.0	1.40	32.2	12.3	1.42	32.2
	30	120	9.4	0.98	31.1	10.4	1.16	31.2	11.2	1.29	31.3	12.0	1.35	31.4	12.3	1.38	31.5
	35	40	9.4	1.12	38.4	10.4	1.32	38.8	11.2	1.47	39.1	12.0	1.54	39.4	12.3	1.57	39.5
	35	80	9.4	1.10	36.7	10.4	1.30	36.9	11.2	1.45	37.0	12.0	1.52	37.2	12.3	1.54	37.2
	35	120	9.4	1.07	36.1	10.4	1.26	36.3	11.2	1.40	36.4	12.0	1.47	36.4	12.3	1.50	36.5
	40	40	8.4	1.24	43.1	9.3	1.46	43.5	10.0	1.63	43.7	10.7	1.71	44.0	11.0	1.74	44.1
	40	80	8.5	1.22	41.6	9.3	1.44	41.7	10.0	1.60	41.9	10.8	1.68	42.0	11.1	1.71	42.1
	40	120	8.6	1.18	41.1	9.5	1.39	41.2	10.2	1.55	41.3	10.9	1.63	41.4	11.2	1.66	41.4
	45	40	7.5	1.35	47.9	8.3	1.59	48.2	8.9	1.77	48.5	9.6	1.86	48.7	9.8	1.90	48.8
	45	80	7.6	1.33	46.4	8.4	1.56	46.6	9.0	1.74	46.7	9.7	1.83	46.9	9.9	1.86	46.9
	45	120	7.7	1.29	46.0	8.5	1.52	46.1	9.2	1.69	46.2	9.8	1.77	46.2	10.1	1.81	46.3

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	40	30.3	6.42	-3.6	29.9	6.13	-3.5	28.9	5.97	-3.2	27.2	5.54	-2.8	26.2	5.12	-2.6
	5	80	31.2	6.37	0.5	30.5	6.18	0.6	29.5	6.07	0.8	27.6	5.61	1.1	26.6	5.19	1.2
	5	120	31.5	6.60	2.0	30.7	6.38	2.1	29.7	6.18	2.2	27.8	5.73	2.4	26.9	5.38	2.4
	10	40	30.5	5.75	1.1	30.0	5.49	1.2	28.9	5.39	1.6	27.2	4.99	2.1	26.2	4.64	2.3
	10	80	31.2	5.70	5.4	30.5	5.50	5.5	29.5	5.43	5.7	27.6	4.98	5.9	26.6	4.63	6.1
	10	120	31.5	5.82	6.9	30.8	5.62	7.0	29.8	5.46	7.1	27.8	5.01	7.3	26.9	4.73	7.4
	15	40	30.7	5.14	5.8	30.1	4.87	6.0	29.7	4.90	6.1	27.6	4.44	6.7	26.4	4.18	7.0
	15	80	31.6	4.93	10.2	31.0	4.79	10.3	30.7	4.86	10.4	28.5	4.32	10.7	27.2	4.03	10.9
	15	120	31.9	5.11	11.8	31.5	4.96	11.8	31.2	4.86	11.9	29.0	4.31	12.1	27.8	4.21	12.2
	20	40	31.8	4.72	10.3	31.2	4.46	10.4	30.8	4.43	10.5	28.7	3.97	11.2	27.3	3.94	11.6
	20	80	32.8	4.54	14.9	32.3	4.47	15.0	31.7	4.45	15.1	29.6	4.09	15.4	28.3	3.96	15.6
	20	120	33.0	4.59	16.6	32.6	4.45	16.6	32.3	4.46	16.7	30.0	4.01	16.9	28.6	3.96	17.1
	25	40	33.3	4.52	14.7	32.5	4.34	14.9	32.2	4.32	15.0	30.1	3.93	15.6	28.9	3.76	16.0
	25	80	33.3	4.45	19.8	32.5	4.31	20.0	32.2	4.24	20.0	30.1	3.87	20.3	28.9	3.78	20.5
	25	120	33.3	4.36	21.5	32.5	4.14	21.6	32.2	4.15	21.7	30.1	3.89	21.9	28.9	3.54	22.0
	30	40	33.3	4.39	19.6	32.5	4.13	19.8	32.2	4.14	20.0	30.1	3.69	20.5	28.9	3.73	21.0
	30	80	33.3	4.24	24.8	32.5	4.10	24.9	32.2	4.04	25.0	30.1	3.73	25.3	28.9	3.48	25.4
	30	120	33.3	4.15	26.5	32.5	3.94	26.6	32.2	3.94	26.6	30.1	3.48	26.8	28.9	3.63	27.0
	35	40	33.3	4.18	24.6	32.5	4.00	24.8	32.2	3.98	24.9	30.1	3.56	25.5	28.9	3.33	25.8
	35	80	33.3	4.04	29.8	32.5	3.91	29.9	32.2	3.90	29.9	30.1	3.52	30.2	28.9	3.25	30.4
	35	120	33.3	4.04	31.5	32.5	3.84	31.6	32.2	3.80	31.6	30.1	3.42	31.8	28.9	3.17	31.9
	40	40	33.3	4.04	29.5	32.5	3.86	29.7	32.2	3.84	29.8	30.1	3.43	30.4	28.9	3.28	30.8
	40	80	33.3	3.90	34.7	32.5	3.76	34.9	32.2	3.70	34.9	30.1	3.30	35.2	28.9	3.16	35.4
	40	120	33.3	3.80	36.5	32.5	3.67	36.6	32.2	3.70	36.6	30.1	3.30	36.8	28.9	3.16	36.9
	45	40	33.3	3.90	34.5	32.5	3.73	34.7	32.2	3.70	34.8	30.1	3.27	35.4	28.9	3.25	35.8
	45	80	33.3	3.77	39.7	32.5	3.63	39.8	32.2	3.50	39.9	30.1	3.06	40.2	28.9	3.06	40.4
	45	120	33.3	3.56	41.4	32.5	3.50	41.5	32.2	3.60	41.6	30.1	3.15	41.8	28.9	3.16	41.9
120	5	40	28.9	6.37	-3.1	28.4	6.11	-3.0	27.5	5.93	-2.7	25.9	5.46	-2.3	24.8	5.04	-2.1
	5	80	29.6	6.46	0.8	29.0	6.23	0.9	27.8	6.07	1.1	26.2	5.57	1.3	25.1	5.10	1.4
	5	120	29.9	6.52	2.2	28.8	6.30	2.3	28.0	6.18	2.4	26.3	5.68	2.5	25.2	5.21	2.6
	10	40	29.1	5.70	1.6	28.5	5.46	1.7	27.5	5.35	2.1	25.9	4.92	2.5	24.8	4.57	2.8
	10	80	29.6	5.78	5.7	29.0	5.55	5.8	27.8	5.43	6.0	26.2	4.94	6.2	25.1	4.56	6.3
	10	120	29.9	5.75	7.1	28.8	5.55	7.2	28.2	5.46	7.3	26.3	4.97	7.4	25.2	4.58	7.5
	15	40	29.2	5.05	6.3	28.6	4.83	6.5	28.2	4.82	6.6	26.3	4.38	7.1	25.0	4.11	7.5
	15	80	29.9	5.09	10.6	29.3	4.87	10.6	28.9	4.86	10.7	26.9	4.32	11.0	25.5	3.98	11.1
	15	120	30.1	4.98	12.0	29.3	4.80	12.1	29.2	4.86	12.1	27.2	4.31	12.3	25.8	3.98	12.4
	20	40	30.0	4.53	10.9	29.5	4.29	11.0	29.0	4.24	11.1	27.0	3.84	11.7	25.6	3.82	12.2
	20	80	30.8	4.48	15.3	30.2	4.38	15.4	29.5	4.35	15.5	27.6	3.96	15.8	26.3	3.73	16.0
	20	120	31.0	4.47	16.8	30.1	4.30	16.9	30.0	4.32	16.9	27.9	3.88	17.1	26.5	3.75	17.3
	25	40	31.3	4.27	15.3	30.3	4.02	15.6	29.8	4.00	15.7	27.9	3.61	16.3	26.7	3.44	16.7
	25	80	31.4	4.21	20.1	30.3	3.99	20.3	29.8	3.98	20.4	27.9	3.55	20.6	26.7	3.46	20.8
	25	120	31.5	3.97	21.7	30.3	3.83	21.8	29.8	3.87	21.9	27.9	3.67	22.1	26.7	3.24	22.2
	30	40	31.4	4.06	20.2	30.3	3.82	20.5	29.8	3.77	20.7	27.9	3.31	21.2	26.7	3.34	21.6
	30	80	31.4	3.93	25.1	30.3	3.73	25.2	29.8	3.70	25.3	27.9	3.34	25.6	26.7	3.11	25.8
	30	120	31.4	3.74	26.7	30.3	3.60	26.8	29.8	3.59	26.9	27.9	3.20	27.1	26.7	3.24	27.2
	35	40	31.4	3.86	25.1	30.3	3.62	25.4	29.8	3.56	25.6	27.9	3.18	26.1	26.7	2.96	26.5
	35	80	31.4	3.64	30.0	30.3	3.48	30.2	29.8	3.43	30.3	27.9	3.07	30.6	26.7	2.83	30.7
	35	120	31.4	3.58	31.7	30.3	3.44	31.8	29.8	3.43	31.8	27.9	3.07	32.0	26.7	2.83	32.1
	40	40	31.4	3.73	30.1	30.3	3.44	30.4	29.8	3.36	30.5	27.9	2.98	31.1	26.7	2.84	31.4
	40	80	31.4	3.44	35.0	30.3	3.28	35.2	29.8	3.22	35.2	27.9	2.86	35.5	26.7	2.72	35.7
	40	120	31.4	3.37	36.6	30.3	3.21	36.8	29.8	3.22	36.8	27.9	2.86	37.0	26.7	2.72	37.1
	45	40	31.4	3.59	35.0	30.3	3.27	35.3	29.8	3.16	35.4	27.9	2.76	36.0	26.7	2.73	36.4
	45	80	31.4	3.23	39.9	30.3	3.08	40.1	29.8	3.01	40.2	27.9	2.62	40.5	26.7	2.61	40.7
	45	120	31.4	3.17	41.6	30.3	2.99	41.7	29.8	3.01	41.8	27.9	2.62	42.0	26.7	2.61	42.1
110	5	40	27.7	6.44	-2.6	27.0	6.13	-2.5	26.0	5.95	-2.2	24.6	5.46	-1.9	23.3	5.04	-1.6
	5	80	28.2	6.48	1.1	27.4	6.23	1.2	26.3	6.07	1.4	24.8	5.57	1.6	23.5	5.10	1.7
	5	120	28.4	6.58	2.4	27.5	6.30	2.5	26.4	6.13	2.6	24.8	5.62	2.7	23.6	5.21	2.8
	10	40	27.8	5.76	2.1	27.1	5.49	2.2	26.0	5.36	2.6	24.6	4.92	2.9	23.3	4.57	3.3
	10	80	28.2	5.80	6.0	27.4	5.55	6.1	26.3	5.43	6.3	24.8	4.94	6.4	23.5	4.56	6.6
	10	120	28.4	5.80	7.3	27.6	5.55	7.4	26.5	5.41	7.5	24.8	4.92	7.6	23.6	4.58	7.7
	15	40	27.9	5.08	6.8	27.2	4.87	7.0	26.7	4.86	7.2	25.0	4.38	7.6	23.6	4.11	8.0
	15	80	28.4	5.05	10.8	27.6	4.87	10.9	27.1	4.86	11.0	25.2	4.32	11.3	23.9	3.98	11.4
	15	120	28.6	5.00	12.2	27.8	4.80	12.3	27.3	4.76	12.3	25.4	4.21	12.5	23.9	3.98	12.6
	20	40	28.4	4.40	11.4	27.7	4.22	11.6	27.1	4.18	11.8	25.2	3.78	12.3	23.9	3.70	12.8
	20	80	29.1	4.38	15.6	28.0	4.24	15.7	27.4	4.20	15.9	25.6	3.84	16.1	24.2	3.55	16.3
	20	120	29.3	4.43	17.0	28.4	4.22	17.1	27.7	4.18	17.2	25.8	3.66	17.4	24.4	3.55	17.5
	25	40	29.2	3.99	16.0	28.3	3.77	16.2	27.6	3.77	16.5	25.8	3.36	17.0	24.5	3.14	17.4
	25	80	29.5	3.96	20.4	28.3	3.71	20.6	27.6	3.70	20.7	25.8	3.30	21.0	24.5	3.15	21.2
	25	120	29.7	3.96	21.9	28.3	3.74	22.1	27.6	3.59	22.1	25.8	3.41	22.3	24.5	2.94	22.4
	30	40	29.6	3.62	20.7	28.3	3.44	21.1	27.6	3.36	21.3	25.8	3.00	21.8	24.5	2.89	22.3
	30	80	29.6	3.56	25.3	28.3	3.37	25.5	27.6	3.29	25.6	25.8	3.01	25.9	24.5	2.73	26.1
	30	120	29.6	3.52	26.9	28.3	3.27	27.0	27.6	3.18	27.1	25.8	2.81	27.3	24.5	2.85	27.4
	35	40	29.6	3.42	25.6	28.3	3.17	26.0	27.6	3.09	26.2	25.8	2.74	26.8	24.5	2.53	27.1
	35	80	29.6	3.29	30.3	28.3	3.11	30.5	27.6	3.01	30.6	25.8	2.68	30.9	24.5	2.46	31.1
	35	120	29.6	3.16	31.8	28.3	3.00	32.0	27.6	2.92	32.0	25.8	2.68	32.2	24.5	2.46	32.4
	40	40	29.6	3.22	30.5	28.3	3.04	30.9	27.6	2.88	31.1	25.8	2.53	31.7	24.5	2.40	32.1
	40	80	29.6	3.09	35.2	28.3	2.90	35.4	27.6	2.74	35.5	25.8	2.47	35.8	24.5	2.34	36.0
	40	120	29.6	3.02	36.8	28.3	2.80	37.0	27.6	2.74	37.0	25.8	2.37	37.2	24.5	2.24	37.3
	45	40	29.6	3.01	35.5	28.3	2.90	35.9	27.6	2.67	36.1	25.8	2.33	36.6	24.5	2.27	37.0
	45	80	29.6	2.88	40.2	28.3	2.70	40.4	27.6	2.46	40.5	25.8	2.24	40.8	24.5	2.22	41.0
	45	120	29.6	2.88	41.8	28.3	2.59	41.9	27.6	2.57	42.0	25.8	2.06	42.2	24.5	2.01	42.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	40	26.4	6.46	-2.1	25.5	6.21	-1.9	24.5	5.97	-1.7	23.2	5.47	-1.3	21.9	4.98	-1.1
	5	80	26.8	6.57	1.4	25.7	6.32	1.5	24.6	6.09	1.7	23.2	5.59	1.8	21.9	5.08	2.0
	5	120	27.0	6.64	2.6	25.8	6.38	2.7	24.6	6.15	2.8	23.2	5.64	2.9	21.9	5.12	3.0
	10	40	26.6	5.78	2.6	25.5	5.56	2.8	24.5	5.38	3.1	23.2	4.93	3.5	21.9	4.51	3.8
	10	80	26.8	5.88	6.3	25.7	5.62	6.4	24.6	5.44	6.6	23.2	4.95	6.7	21.9	4.54	6.9
	10	120	27.0	5.85	7.5	25.8	5.62	7.6	24.7	5.43	7.7	23.2	4.93	7.8	21.9	4.50	7.9
	15	40	26.6	5.09	7.3	25.7	4.91	7.6	25.2	4.88	7.7	23.5	4.39	8.1	22.1	4.06	8.5
	15	80	26.8	5.19	11.1	25.7	4.92	11.3	25.2	4.88	11.4	23.5	4.33	11.6	22.1	3.99	11.8
	15	120	27.1	5.06	12.4	25.9	4.86	12.5	25.2	4.78	12.6	23.5	4.23	12.7	22.1	3.89	12.8
	20	40	26.9	4.35	11.9	25.8	4.16	12.3	25.2	4.12	12.4	23.5	3.72	12.9	22.1	3.52	13.4
	20	80	27.3	4.39	15.9	25.8	4.20	16.1	25.2	4.12	16.2	23.5	3.72	16.5	22.1	3.38	16.7
	20	120	27.5	4.31	17.2	26.2	4.13	17.4	25.2	4.01	17.5	23.5	3.55	17.6	22.1	3.28	17.8
	25	40	27.2	3.80	16.6	26.2	3.59	16.9	25.2	3.50	17.2	23.5	3.12	17.7	22.1	2.84	18.1
	25	80	27.6	3.80	20.7	26.2	3.52	20.9	25.2	3.43	21.1	23.5	3.05	21.3	22.1	2.84	21.6
	25	120	27.8	3.68	22.1	26.2	3.48	22.3	25.2	3.33	22.4	23.5	3.05	22.6	22.1	2.74	22.7
	30	40	27.7	3.43	21.3	26.2	3.12	21.7	25.2	2.95	22.0	23.5	2.64	22.5	22.1	2.51	23.0
	30	80	27.7	3.36	25.6	26.2	3.05	25.9	25.2	2.92	26.0	23.5	2.64	26.3	22.1	2.43	26.5
	30	120	27.7	3.26	27.1	26.2	3.05	27.2	25.2	2.86	27.3	23.5	2.53	27.5	22.1	2.43	27.7
	35	40	27.7	3.16	26.2	26.2	2.84	26.6	25.2	2.61	26.9	23.5	2.36	27.4	22.1	2.16	27.9
	35	80	27.7	3.02	30.6	26.2	2.71	30.8	25.2	2.58	30.9	23.5	2.30	31.2	22.1	2.10	31.4
	35	120	27.7	3.02	32.0	26.2	2.71	32.2	25.2	2.52	32.3	23.5	2.30	32.5	22.1	2.10	32.6
	40	40	27.7	2.95	31.1	26.2	2.64	31.6	25.2	2.34	31.8	23.5	2.10	32.3	22.1	1.96	32.8
	40	80	27.7	2.82	35.5	26.2	2.51	35.8	25.2	2.31	35.9	23.5	2.03	36.1	22.1	1.90	36.4
	40	120	27.7	2.72	37.0	26.2	2.51	37.2	25.2	2.25	37.3	23.5	2.03	37.4	22.1	1.90	37.6
	45	40	27.7	2.75	36.0	26.2	2.43	36.5	25.2	2.06	36.7	23.5	1.82	37.2	22.1	1.76	37.7
	45	80	27.7	2.61	40.5	26.2	2.30	40.7	25.2	2.03	40.8	23.5	1.76	41.1	22.1	1.69	41.4
	45	120	27.7	2.41	42.0	26.2	2.30	42.2	25.2	1.97	42.2	23.5	1.76	42.4	22.1	1.69	42.6
90	5	40	23.6	5.74	-1.4	22.8	5.42	-1.2	22.1	5.11	-1.1	20.3	4.70	-0.6	18.7	4.21	-0.2
	5	80	23.8	5.84	1.8	22.7	5.52	1.9	22.1	5.21	2.0	20.3	4.80	2.2	18.7	4.30	2.4
	5	120	23.9	5.89	2.8	22.9	5.57	2.9	22.1	5.27	3.0	20.3	4.84	3.2	18.7	4.35	3.3
	10	40	23.8	5.05	3.3	22.9	4.80	3.5	22.1	4.61	3.7	20.3	4.24	4.2	18.7	3.83	4.7
	10	80	23.7	5.06	6.7	22.8	4.82	6.8	22.1	4.63	6.9	20.3	4.22	7.1	18.7	3.83	7.3
	10	120	23.9	5.05	7.7	22.9	4.80	7.8	22.1	4.61	7.9	20.3	4.24	8.1	18.7	3.86	8.2
	15	40	23.8	4.35	8.0	23.0	4.19	8.3	22.1	4.11	8.5	20.7	3.77	8.9	19.7	3.44	9.2
	15	80	23.7	4.28	11.5	22.8	4.12	11.6	22.1	4.05	11.8	20.7	3.64	11.9	19.7	3.37	12.1
	15	120	23.9	4.19	12.6	22.9	4.03	12.7	22.1	3.94	12.8	20.7	3.64	13.0	19.7	3.37	13.0
	20	40	24.0	3.69	12.7	23.1	3.57	13.0	22.1	3.51	13.3	20.7	3.24	13.7	19.7	3.04	14.0
	20	80	23.9	3.69	16.4	22.9	3.53	16.5	22.6	3.51	16.6	20.7	3.11	16.8	19.7	2.90	17.0
	20	120	24.0	3.60	17.6	23.0	3.49	17.7	22.6	3.51	17.7	20.7	3.11	17.9	19.7	2.90	18.0
	25	40	24.5	3.22	17.4	23.4	3.05	17.7	22.6	3.02	18.0	20.7	2.70	18.5	19.7	2.50	18.8
	25	80	24.7	3.19	21.1	23.4	3.02	21.4	22.6	2.96	21.5	20.7	2.63	21.8	19.7	2.42	21.9
	25	120	24.9	3.06	22.4	23.4	2.91	22.6	22.6	2.96	22.7	20.7	2.63	22.8	19.7	2.42	22.9
	30	40	24.8	2.91	22.2	23.4	2.71	22.6	22.6	2.61	22.9	20.7	2.36	23.4	19.7	2.15	23.7
	30	80	24.8	2.85	26.1	23.4	2.65	26.3	22.6	2.55	26.4	20.7	2.30	26.7	19.7	2.15	26.9
	30	120	24.8	2.74	27.4	23.4	2.54	27.5	22.6	2.55	27.6	20.7	2.30	27.8	19.7	2.06	27.9
	35	40	24.8	2.65	27.1	23.4	2.45	27.5	22.6	2.34	27.8	20.7	2.09	28.3	19.7	1.95	28.6
	35	80	24.8	2.70	31.0	23.4	2.38	31.2	22.6	2.27	31.4	20.7	2.02	31.7	19.7	1.95	31.8
	35	120	24.8	2.47	32.3	23.4	2.42	32.5	22.6	2.16	32.6	20.7	2.02	32.8	19.7	1.95	32.9
	40	40	24.8	2.45	32.0	23.4	2.25	32.4	22.6	2.06	32.7	20.7	1.89	33.3	19.7	1.75	33.6
	40	80	24.8	2.31	36.0	23.4	2.18	36.2	22.6	1.99	36.3	20.7	1.82	36.6	19.7	1.69	36.8
	40	120	24.8	2.31	37.3	23.4	2.18	37.5	22.6	1.99	37.5	20.7	1.82	37.7	19.7	1.75	37.9
	45	40	24.8	2.25	36.9	23.4	2.05	37.4	22.6	1.78	37.6	20.7	1.69	38.2	19.7	1.55	38.5
	45	80	24.8	2.05	40.9	23.4	1.98	41.2	22.6	1.72	41.3	20.7	1.62	41.6	19.7	1.49	41.7
	45	120	24.8	2.36	42.3	23.4	2.09	42.5	22.6	1.82	42.5	20.7	1.62	42.7	19.7	1.49	42.8
80	5	40	22.6	4.76	-1.4	21.2	4.49	-1.0	20.6	4.24	-0.8	18.9	3.90	-0.4	17.3	3.49	0.0
	5	80	22.6	4.84	1.8	21.2	4.58	2.0	20.6	4.32	2.1	18.9	3.98	2.3	17.3	3.56	2.5
	5	120	22.6	4.89	2.9	21.2	4.62	3.0	20.6	4.37	3.1	18.9	4.02	3.2	17.3	3.61	3.4
	10	40	22.6	4.18	3.4	21.2	3.98	3.8	20.6	3.83	4.0	18.9	3.51	4.5	17.3	3.17	4.9
	10	80	22.6	4.20	6.7	21.2	4.00	6.9	20.6	3.84	7.0	18.9	3.50	7.2	17.3	3.18	7.5
	10	120	22.6	4.18	7.8	21.2	3.98	7.9	20.6	3.83	8.0	18.9	3.52	8.2	17.3	3.20	8.3
	15	40	22.6	3.61	8.2	21.2	3.48	8.7	20.6	3.41	8.9	19.0	3.13	9.3	17.9	2.85	9.6
	15	80	22.6	3.55	11.6	21.2	3.42	11.8	20.6	3.36	11.9	19.0	3.02	12.1	17.9	2.80	12.3
	15	120	22.6	3.48	12.7	21.2	3.35	12.9	20.6	3.27	12.9	19.0	3.02	13.1	17.9	2.80	13.2
	20	40	22.6	3.06	13.0	21.2	2.96	13.5	20.6	2.91	13.7	19.0	2.68	14.2	17.9	2.52	14.5
	20	80	22.6	3.06	16.5	21.2	2.93	16.7	20.6	2.97	16.8	19.0	2.58	17.1	17.9	2.41	17.2
	20	120	22.6	2.98	17.7	21.2	2.90	17.8	20.6	2.97	17.9	19.0	2.58	18.0	17.9	2.41	18.2
	25	40	22.7	2.67	17.8	21.3	2.53	18.3	20.6	2.51	18.5	19.0	2.24	19.0	17.9	2.07	19.3
	25	80	22.7	2.64	21.4	21.3	2.50	21.6	20.6	2.45	21.8	19.0	2.18	22.0	17.9	2.01	22.2
	25	120	22.7	2.54	22.6	21.3	2.42	22.7	20.6	2.45	22.8	19.0	2.18	23.0	17.9	2.01	23.1
	30	40	22.7	2.41	22.7	21.3	2.25	23.2	20.6	2.17	23.4	19.0	1.95	23.9	17.9	1.78	24.2
	30	80	22.7	2.36	26.3	21.3	2.19	26.6	20.6	2.11	26.7	19.0	1.90	26.9	17.9	1.78	27.1
	30	120	22.7	2.27	27.6	21.3	2.11	27.7	20.6	2.11	27.8	19.0	1.90	28.0	17.9	1.71	28.1
	35	40	22.7	2.19	27.6	21.3	2.03	28.1	20.6	1.94	28.3	19.0	1.73	28.8	17.9	1.62	29.2
	35	80	22.7	2.24	31.3	21.3	1.97	31.5	20.6	1.88	31.7	19.0	1.68	31.9	17.9	1.62	32.1
	35	120	22.7	2.05	32.5	21.3	2.01	32.7	20.6	1.79	32.8	19.0	1.68	32.9	17.9	1.62	33.1
	40	40	22.7	2.03	32.6	21.3	1.87	33.0	20.6	1.71	33.2	19.0	1.57	33.8	17.9	1.45	34.1
	40	80	22.7	1.92	36.3	21.3	1.81	36.5	20.6	1.65	36.6	19.0	1.51	36.9	17.9	1.40	37.0
	40	120	22.7	1.92	37.5	21.3	1.81	37.7	20.6	1.65	37.7	19.0	1.51	37.9	17.9	1.45	38.0
	45	40	22.7	1.92	37.5	21.3	1.81	38.0	20.6	1.65	38.2	19.0	1.51	38.7	17.9	1.45	39.1
	45	80	22.7	1.92	41.3	21.3	1.81	41.5	20.6	1.65	41.6	19.0	1.51	41.9	17.9	1.45	42.1
	45	120	22.7	1.92	42.5	21.3	1.81	42.7	20.6	1.65	42.7	19.0	1.51	42.9	17.9	1.45	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	40	19.5	3.99	-0.6	18.3	3.77	-0.2	17.8	3.56	-0.1	16.3	3.27	0.3	15.0	2.93	0.7
	5	80	19.5	4.06	2.2	18.3	3.84	2.4	17.8	3.63	2.5	16.3	3.34	2.7	15.0	2.99	2.9
	5	120	19.5	4.10	3.2	18.3	3.88	3.3	17.8	3.67	3.3	16.3	3.37	3.5	15.0	3.02	3.6
	10	40	19.5	3.51	4.3	18.3	3.34	4.6	17.8	3.21	4.8	16.3	2.95	5.2	15.0	2.66	5.6
	10	80	19.5	3.52	7.1	18.3	3.35	7.3	17.8	3.22	7.4	16.3	2.94	7.6	15.0	2.67	7.8
	10	120	19.5	3.51	8.1	18.3	3.34	8.2	17.8	3.21	8.3	16.3	2.95	8.4	15.0	2.68	8.5
	15	40	19.5	3.03	9.1	18.3	2.91	9.5	17.8	2.86	9.7	16.4	2.62	10.1	15.5	2.39	10.3
	15	80	19.5	2.98	12.0	18.3	2.87	12.2	17.8	2.81	12.3	16.4	2.53	12.5	15.5	2.34	12.7
	15	120	19.5	2.91	13.0	18.3	2.81	13.2	17.8	2.74	13.2	16.4	2.53	13.3	15.5	2.34	13.4
	20	40	19.5	2.56	13.9	18.3	2.49	14.3	17.8	2.44	14.5	16.4	2.25	14.9	15.5	2.11	15.2
	20	80	19.5	2.56	17.0	18.3	2.45	17.2	17.8	2.49	17.3	16.4	2.16	17.5	15.5	2.02	17.6
	20	120	19.5	2.50	18.0	18.3	2.43	18.1	17.8	2.49	18.2	16.4	2.16	18.3	15.5	2.02	18.4
	25	40	19.6	2.24	18.8	18.4	2.12	19.2	17.8	2.10	19.4	16.4	1.88	19.8	15.5	1.74	20.1
	25	80	19.6	2.22	21.9	18.4	2.10	22.1	17.8	2.06	22.2	16.4	1.83	22.4	15.5	1.69	22.5
	25	120	19.6	2.13	22.9	18.4	2.03	23.0	17.8	2.06	23.1	16.4	1.83	23.3	15.5	1.69	23.4
	30	40	19.6	2.02	23.7	18.4	1.89	24.1	17.8	1.82	24.3	16.4	1.64	24.7	15.5	1.50	25.0
	30	80	19.6	1.98	26.8	18.4	1.84	27.0	17.8	1.77	27.1	16.4	1.60	27.3	15.5	1.50	27.5
	30	120	19.6	1.91	27.9	18.4	1.77	28.0	17.8	1.77	28.1	16.4	1.60	28.2	15.5	1.43	28.3
	35	40	19.6	1.84	28.6	18.4	1.71	29.0	17.8	1.63	29.2	16.4	1.45	29.6	15.5	1.36	30.0
	35	80	19.6	1.88	31.8	18.4	1.65	32.0	17.8	1.58	32.1	16.4	1.41	32.3	15.5	1.36	32.5
	35	120	19.6	1.72	32.9	18.4	1.69	33.0	17.8	1.50	33.1	16.4	1.41	33.2	15.5	1.36	33.3
	40	40	19.6	1.71	33.6	18.4	1.57	34.0	17.8	1.43	34.2	16.4	1.32	34.6	15.5	1.22	34.9
	40	80	19.6	1.61	36.8	18.4	1.52	37.0	17.8	1.39	37.1	16.4	1.26	37.3	15.5	1.18	37.4
	40	120	19.6	1.61	37.8	18.4	1.52	38.0	17.8	1.39	38.0	16.4	1.26	38.2	15.5	1.22	38.3
	45	40	19.6	1.61	38.5	18.4	1.52	39.0	17.8	1.39	39.1	16.4	1.26	39.6	15.5	1.22	39.9
	45	80	19.6	1.61	41.8	18.4	1.52	42.0	17.8	1.39	42.1	16.4	1.26	42.3	15.5	1.22	42.4
	45	120	19.6	1.61	42.8	18.4	1.52	43.0	17.8	1.39	43.0	16.4	1.26	43.2	15.5	1.22	43.3
60	5	40	16.7	3.19	0.2	15.7	3.01	0.5	15.2	2.85	0.6	14.0	2.61	0.9	12.8	2.34	1.2
	5	80	16.7	3.25	2.6	15.7	3.07	2.7	15.2	2.90	2.8	14.0	2.67	3.0	12.8	2.39	3.1
	5	120	16.7	3.28	3.4	15.7	3.10	3.5	15.2	2.93	3.5	14.0	2.69	3.7	12.8	2.42	3.8
	10	40	16.7	2.81	5.0	15.7	2.67	5.3	15.2	2.57	5.5	14.0	2.36	5.8	12.8	2.13	6.2
	10	80	16.7	2.82	7.5	15.7	2.68	7.7	15.2	2.58	7.7	14.0	2.35	7.9	12.8	2.13	8.1
	10	120	16.7	2.81	8.3	15.7	2.67	8.4	15.2	2.57	8.5	14.0	2.36	8.6	12.8	2.15	8.7
	15	40	16.7	2.42	9.9	15.7	2.33	10.2	15.2	2.29	10.4	14.0	2.10	10.7	13.2	1.91	10.9
	15	80	16.7	2.38	12.4	15.7	2.29	12.6	15.2	2.25	12.7	14.0	2.03	12.8	13.2	1.88	13.0
	15	120	16.7	2.33	13.3	15.7	2.25	13.4	15.2	2.19	13.4	14.0	2.03	13.6	13.2	1.88	13.6
	20	40	16.7	2.05	14.7	15.7	1.99	15.1	15.2	1.95	15.3	14.0	1.80	15.6	13.2	1.69	15.9
	20	80	16.7	2.05	17.4	15.7	1.96	17.5	15.2	1.99	17.6	14.0	1.73	17.8	13.2	1.61	17.9
	20	120	16.7	2.00	18.2	15.7	1.94	18.4	15.2	1.99	18.4	14.0	1.73	18.5	13.2	1.61	18.6
	25	40	16.8	1.79	19.6	15.7	1.70	20.0	15.2	1.68	20.2	14.0	1.50	20.5	13.2	1.39	20.8
	25	80	16.8	1.77	22.3	15.7	1.68	22.5	15.2	1.65	22.6	14.0	1.46	22.7	13.2	1.35	22.9
	25	120	16.8	1.70	23.2	15.7	1.62	23.3	15.2	1.65	23.4	14.0	1.46	23.5	13.2	1.35	23.6
	30	40	16.8	1.62	24.6	15.7	1.51	24.9	15.2	1.45	25.1	14.0	1.31	25.4	13.2	1.20	25.7
	30	80	16.8	1.58	27.3	15.7	1.47	27.4	15.2	1.42	27.5	14.0	1.28	27.7	13.2	1.20	27.8
	30	120	16.8	1.53	28.2	15.7	1.41	28.3	15.2	1.42	28.4	14.0	1.28	28.5	13.2	1.15	28.6
	35	40	16.8	1.47	29.5	15.7	1.36	29.9	15.2	1.30	30.0	14.0	1.16	30.4	13.2	1.09	30.7
	35	80	16.8	1.50	32.3	15.7	1.32	32.4	15.2	1.26	32.5	14.0	1.13	32.7	13.2	1.09	32.8
	35	120	16.8	1.38	33.2	15.7	1.35	33.3	15.2	1.20	33.3	14.0	1.13	33.5	13.2	1.09	33.6
	40	40	16.8	1.36	34.5	15.7	1.25	34.8	15.2	1.15	35.0	14.0	1.05	35.4	13.2	0.97	35.6
	40	80	16.8	1.29	37.2	15.7	1.22	37.4	15.2	1.11	37.5	14.0	1.01	37.7	13.2	0.94	37.8
	40	120	16.8	1.29	38.1	15.7	1.22	38.3	15.2	1.11	38.3	14.0	1.01	38.4	13.2	0.97	38.5
	45	40	16.8	1.29	39.4	15.7	1.22	39.8	15.2	1.11	40.0	14.0	1.01	40.3	13.2	0.97	40.6
	45	80	16.8	1.29	42.2	15.7	1.22	42.4	15.2	1.11	42.5	14.0	1.01	42.7	13.2	0.97	42.8
	45	120	16.8	1.29	43.1	15.7	1.22	43.3	15.2	1.11	43.3	14.0	1.01	43.4	13.2	0.97	43.5
50	5	40	13.9	2.52	0.9	13.0	2.38	1.2	12.6	2.25	1.3	11.6	2.07	1.6	10.7	1.85	1.8
	5	80	13.9	2.57	3.0	13.0	2.43	3.1	12.6	2.29	3.1	11.6	2.11	3.3	10.7	1.89	3.4
	5	120	13.9	2.59	3.6	13.0	2.45	3.7	12.6	2.32	3.8	11.6	2.13	3.9	10.7	1.91	4.0
	10	40	13.9	2.22	5.8	13.0	2.11	6.1	12.6	2.03	6.2	11.6	1.86	6.5	10.7	1.68	6.8
	10	80	13.9	2.23	7.9	13.0	2.12	8.0	12.6	2.04	8.1	11.6	1.86	8.3	10.7	1.69	8.4
	10	120	13.9	2.22	8.6	13.0	2.11	8.7	12.6	2.03	8.7	11.6	1.87	8.8	10.7	1.70	8.9
	15	40	13.9	1.92	10.7	13.0	1.84	11.0	12.6	1.81	11.1	11.7	1.66	11.4	11.0	1.51	11.6
	15	80	13.9	1.88	12.8	13.0	1.81	13.0	12.6	1.78	13.1	11.7	1.60	13.2	11.0	1.48	13.3
	15	120	13.9	1.84	13.6	13.0	1.78	13.7	12.6	1.73	13.7	11.7	1.60	13.8	11.0	1.48	13.9
	20	40	13.9	1.62	15.6	13.0	1.57	15.9	12.6	1.54	16.0	11.7	1.42	16.3	11.0	1.34	16.5
	20	80	13.9	1.62	17.8	13.0	1.55	17.9	12.6	1.57	18.0	11.7	1.37	18.2	11.0	1.28	18.3
	20	120	13.9	1.58	18.5	13.0	1.54	18.6	12.6	1.57	18.7	11.7	1.37	18.8	11.0	1.28	18.8
	25	40	14.0	1.42	20.5	13.1	1.34	20.8	12.6	1.33	20.9	11.7	1.19	21.2	11.0	1.10	21.5
	25	80	14.0	1.40	22.7	13.1	1.33	22.9	12.6	1.30	23.0	11.7	1.16	23.1	11.0	1.07	23.2
	25	120	14.0	1.35	23.5	13.1	1.28	23.6	12.6	1.30	23.6	11.7	1.16	23.7	11.0	1.07	23.8
	30	40	14.0	1.28	25.4	13.1	1.19	25.7	12.6	1.15	25.9	11.7	1.04	26.2	11.0	0.95	26.4
	30	80	14.0	1.25	27.7	13.1	1.16	27.9	12.6	1.12	27.9	11.7	1.01	28.1	11.0	0.95	28.2
	30	120	14.0	1.21	28.5	13.1	1.12	28.6	12.6	1.12	28.6	11.7	1.01	28.7	11.0	0.91	28.8
	35	40	14.0	1.16	30.4	13.1	1.08	30.7	12.6	1.03	30.8	11.7	0.92	31.1	11.0	0.86	31.4
	35	80	14.0	1.19	32.7	13.1	1.05	32.8	12.6	1.00	32.9	11.7	0.89	33.1	11.0	0.86	33.2
	35	120	14.0	1.09	33.5	13.1	1.07	33.6	12.6	0.95	33.6	11.7	0.89	33.7	11.0	0.86	33.8
	40	40	14.0	1.08	35.4	13.1	0.99	35.7	12.6	0.91	35.8	11.7	0.83	36.1	11.0	0.77	36.3
	40	80	14.0	1.02	37.7	13.1	0.96	37.8	12.6	0.88	37.9	11.7	0.80	38.1	11.0	0.74	38.2
	40	120	14.0	1.02	38.5	13.1	0.96	38.6	12.6	0.88	38.6	11.7	0.80	38.7	11.0	0.77	38.8
	45	40	14.0	1.02	40.4	13.1	0.96	40.7	12.6	0.88	40.8	11.7	0.80	41.1	11.0	0.77	41.3
	45	80	14.0	1.02	42.7	13.1	0.96	42.8	12.6	0.88	42.9	11.7	0.80	43.1	11.0	0.77	43.2
	45	120	14.0	1.02	43.5	13.1	0.96	43.6	12.6	0.88	43.6	11.7	0.80	43.7	11.0	0.77	43.8

12. Capacity Table

1-2. AM100FXWANR✶✶✶

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	48	28.2	1.93	19.0	31.0	2.30	19.9	33.3	2.51	20.7	35.7	2.67	21.5	36.7	2.70	21.8
	10	96	28.2	1.79	14.5	31.0	2.12	14.9	33.3	2.40	15.3	35.7	2.52	15.7	36.7	2.52	15.9
	10	144	28.2	1.76	13.0	31.0	2.11	13.3	33.3	2.27	13.5	35.7	2.47	13.8	36.7	2.53	13.9
	15	48	27.7	2.49	24.0	30.5	2.95	25.0	32.8	3.27	25.8	35.1	3.43	26.5	36.1	3.51	26.8
	15	96	27.7	2.32	19.5	30.5	2.73	20.0	32.8	3.05	20.4	35.1	3.21	20.7	36.1	3.28	20.9
	15	144	27.7	2.25	18.0	30.5	2.66	18.3	32.8	2.95	18.6	35.1	3.09	18.8	36.1	3.19	18.9
	20	48	27.3	2.97	29.0	30.1	3.47	30.0	32.4	3.88	30.8	34.6	4.06	31.6	35.6	4.15	31.9
	20	96	27.3	2.91	24.5	30.1	3.42	25.0	32.4	3.82	25.4	34.6	4.02	25.8	35.6	4.09	25.9
	20	144	27.3	2.81	23.0	30.1	3.32	23.3	32.4	3.71	23.6	34.6	3.86	23.8	35.6	3.98	23.9
	25	48	27.3	3.72	34.3	30.1	4.38	35.3	32.4	4.88	36.1	34.6	5.13	36.9	35.6	5.22	37.2
	25	96	27.3	3.48	29.6	30.1	4.09	30.1	32.4	4.55	30.5	34.6	4.80	30.9	35.6	4.87	31.0
	25	144	27.3	3.35	28.1	30.1	3.96	28.4	32.4	4.41	28.7	34.6	4.62	28.9	35.6	4.75	29.0
	30	48	27.3	4.37	39.5	30.1	5.14	40.5	32.4	5.73	41.4	34.6	6.01	42.1	35.6	6.11	42.5
	30	96	27.3	4.30	34.7	30.1	5.05	35.2	32.4	5.63	35.7	34.6	5.92	36.1	35.6	6.04	36.2
	30	144	27.3	4.16	33.1	30.1	4.89	33.5	32.4	5.46	33.8	34.6	5.73	34.0	35.6	5.88	34.1
	35	48	25.8	4.55	44.1	28.5	5.35	45.1	30.6	5.97	45.9	32.9	6.25	46.7	33.6	6.36	46.9
	35	96	25.8	4.46	39.5	28.5	5.27	40.0	30.6	5.87	40.4	32.9	6.17	40.8	33.6	6.29	41.0
	35	144	25.8	4.34	38.0	28.5	5.10	38.3	30.6	5.68	38.6	32.9	5.97	38.9	33.6	6.13	39.0
	40	48	21.6	4.73	47.9	23.8	5.57	48.8	25.6	6.21	49.5	27.4	6.52	50.1	28.2	6.65	50.4
	40	96	21.8	4.65	43.9	24.0	5.49	44.4	25.8	6.10	44.8	27.6	6.42	45.1	28.4	6.56	45.2
	40	144	22.1	4.51	42.6	24.3	5.30	42.9	26.2	5.92	43.2	28.0	6.21	43.4	28.8	6.40	43.5
	45	48	18.0	4.89	51.8	19.8	5.76	52.6	21.2	6.42	53.3	22.8	6.72	53.8	23.4	6.87	54.0
	45	96	18.2	4.81	48.4	19.9	5.66	48.8	21.4	6.30	49.1	23.0	6.65	49.4	23.6	6.78	49.5
	45	144	18.4	4.65	47.3	20.2	5.47	47.6	21.7	6.12	47.8	23.3	6.41	48.0	23.9	6.62	48.0
120	10	48	26.7	1.83	18.5	29.4	2.17	19.4	31.6	2.39	20.1	33.8	2.52	20.9	34.7	2.55	21.1
	10	96	26.7	1.71	14.2	29.4	2.03	14.7	31.6	2.27	15.1	33.8	2.38	15.4	34.7	2.38	15.5
	10	144	26.7	1.63	12.8	29.4	2.00	13.1	31.6	2.14	13.4	33.8	2.34	13.6	34.7	2.42	13.7
	15	48	26.4	2.38	23.6	29.0	2.81	24.5	31.2	3.14	25.3	33.4	3.29	26.0	34.3	3.34	26.2
	15	96	26.4	2.22	19.3	29.0	2.61	19.7	31.2	2.92	20.1	33.4	3.06	20.4	34.3	3.12	20.6
	15	144	26.4	2.15	17.8	29.0	2.55	18.1	31.2	2.81	18.4	33.4	2.96	18.6	34.3	3.05	18.7
	20	48	26.1	2.85	28.6	28.7	3.34	29.6	30.9	3.72	30.3	33.1	3.91	31.1	34.0	3.99	31.3
	20	96	26.1	2.79	24.3	28.7	3.28	24.8	30.9	3.67	25.2	33.1	3.86	25.5	34.0	3.92	25.7
	20	144	26.1	2.71	22.9	28.7	3.20	23.2	30.9	3.56	23.4	33.1	3.72	23.7	34.0	3.82	23.8
	25	48	26.1	3.58	33.9	28.7	4.21	34.8	30.9	4.67	35.6	33.1	4.92	36.4	34.0	5.00	36.6
	25	96	26.1	3.33	29.4	28.7	3.93	29.9	30.9	4.37	30.3	33.1	4.58	30.6	34.0	4.67	30.8
	25	144	26.1	3.20	27.9	28.7	3.79	28.2	30.9	4.23	28.5	33.1	4.43	28.7	34.0	4.54	28.8
	30	48	26.1	4.22	39.1	28.7	4.96	40.0	30.9	5.53	40.9	33.1	5.81	41.6	34.0	5.91	41.9
	30	96	26.1	4.15	34.5	28.7	4.87	35.0	30.9	5.44	35.4	33.1	5.71	35.8	34.0	5.82	35.9
	30	144	26.1	4.01	33.0	28.7	4.72	33.3	30.9	5.27	33.6	33.1	5.54	33.9	34.0	5.67	33.9
	35	48	25.1	4.45	43.8	27.6	5.25	44.8	29.8	5.85	45.6	31.8	6.12	46.3	32.7	6.24	46.6
	35	96	25.1	4.37	39.4	27.6	5.15	39.9	29.8	5.74	40.3	31.8	6.03	40.7	32.7	6.15	40.8
	35	144	25.1	4.24	37.9	27.6	5.00	38.2	29.8	5.55	38.5	31.8	5.83	38.7	32.7	5.99	38.9
	40	48	21.4	4.72	47.8	23.6	5.56	48.7	25.4	6.20	49.4	27.1	6.51	50.0	27.9	6.64	50.3
	40	96	21.6	4.64	43.9	23.8	5.48	44.4	25.6	6.09	44.7	27.3	6.40	45.0	28.1	6.54	45.2
	40	144	21.9	4.50	42.6	24.1	5.31	42.9	26.0	5.91	43.2	27.7	6.21	43.4	28.5	6.37	43.5
	45	48	18.2	4.96	51.9	20.1	5.85	52.8	21.7	6.52	53.4	23.1	6.84	54.0	23.8	6.98	54.2
	45	96	18.3	4.89	48.5	20.3	5.75	48.9	21.9	6.41	49.2	23.3	6.73	49.5	24.0	6.87	49.6
	45	144	18.6	4.72	47.3	20.6	5.58	47.6	22.2	6.22	47.8	23.7	6.53	48.0	24.3	6.68	48.1
110	10	48	25.2	1.74	18.0	27.8	2.04	18.9	29.9	2.28	19.6	32.1	2.39	20.3	32.9	2.43	20.5
	10	96	25.2	1.62	14.0	27.8	1.91	14.4	29.9	2.17	14.8	32.1	2.26	15.1	32.9	2.26	15.2
	10	144	25.2	1.56	12.7	27.8	1.88	13.0	29.9	2.05	13.2	32.1	2.22	13.4	32.9	2.25	13.5
	15	48	25.2	2.32	23.2	27.8	2.73	24.1	29.9	3.04	24.8	32.1	3.19	25.5	32.9	3.25	25.8
	15	96	25.2	2.16	19.1	27.8	2.54	19.5	29.9	2.83	19.9	32.1	2.97	20.2	32.9	3.03	20.4
	15	144	25.2	2.09	17.7	27.8	2.46	18.0	29.9	2.74	18.2	32.1	2.87	18.5	32.9	2.93	18.6
	20	48	25.2	2.79	28.4	27.8	3.29	29.3	29.9	3.66	30.0	32.1	3.84	30.7	32.9	3.92	31.0
	20	96	25.2	2.75	24.2	27.8	3.23	24.6	29.9	3.60	25.0	32.1	3.78	25.4	32.9	3.85	25.5
	20	144	25.2	2.66	22.8	27.8	3.13	23.1	29.9	3.49	23.3	32.1	3.66	23.6	32.9	3.73	23.6
	25	48	25.2	3.48	33.6	27.8	4.10	34.5	29.9	4.56	35.3	32.1	4.79	36.0	32.9	4.88	36.3
	25	96	25.2	3.24	29.2	27.8	3.82	29.7	29.9	4.25	30.1	32.1	4.46	30.5	32.9	4.55	30.6
	25	144	25.2	3.13	27.8	27.8	3.69	28.1	29.9	4.11	28.4	32.1	4.31	28.6	32.9	4.39	28.7
	30	48	25.2	4.18	38.8	27.8	4.92	39.8	29.9	5.49	40.6	32.1	5.76	41.3	32.9	5.86	41.6
	30	96	25.2	4.11	34.4	27.8	4.84	34.9	29.9	5.39	35.3	32.1	5.66	35.6	32.9	5.76	35.8
	30	144	25.2	3.98	32.9	27.8	4.69	33.2	29.9	5.23	33.5	32.1	5.48	33.7	32.9	5.59	33.8
	35	48	25.2	4.54	43.9	27.8	5.35	44.9	29.9	5.96	45.7	32.1	6.25	46.4	32.9	6.37	46.7
	35	96	25.2	4.47	39.4	27.8	5.26	39.9	29.9	5.86	40.3	32.1	6.15	40.7	32.9	6.26	40.8
	35	144	25.2	4.33	37.9	27.8	5.10	38.3	29.9	5.68	38.5	32.1	5.96	38.8	32.9	6.07	38.9
	40	48	22.4	5.03	48.2	24.7	5.93	49.2	26.6	6.60	49.9	28.5	6.93	50.6	29.3	7.06	50.8
	40	96	22.6	4.95	44.1	25.0	5.83	44.6	26.8	6.49	45.0	28.8	6.81	45.3	29.5	6.94	45.4
	40	144	22.9	4.80	42.8	25.3	5.65	43.1	27.2	6.29	43.3	29.2	6.60	43.6	29.9	6.72	43.6
	45	48	20.1	5.48	52.6	22.2	6.45	53.6	23.9	7.19	54.3	25.6	7.54	54.9	26.3	7.68	55.1
	45	96	20.3	5.39	48.8	22.4	6.34	49.3	24.1	7.07	49.7	25.8	7.41	50.0	26.5	7.55	50.1
	45	144	20.6	5.22	47.6	22.7	6.15	47.9	24.4	6.85	48.1	26.2	7.19	48.3	26.9	7.32	48.4

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	48	23.6	1.63	17.5	26.0	1.91	18.4	28.0	2.13	19.0	30.0	2.24	19.6	30.8	2.28	19.9
	10	96	23.6	1.52	13.7	26.0	1.79	14.2	28.0	2.03	14.5	30.0	2.12	14.8	30.8	2.12	14.9
	10	144	23.6	1.46	12.5	26.0	1.76	12.8	28.0	1.92	13.0	30.0	2.08	13.2	30.8	2.11	13.3
	15	48	23.6	2.17	22.7	26.0	2.56	23.5	28.0	2.85	24.2	30.0	2.99	24.9	30.8	3.04	25.1
	15	96	23.6	2.02	18.8	26.0	2.38	19.2	28.0	2.65	19.6	30.0	2.78	19.9	30.8	2.84	20.0
	15	144	23.6	1.95	17.5	26.0	2.30	17.8	28.0	2.56	18.0	30.0	2.69	18.3	30.8	2.74	18.3
	20	48	23.6	2.62	27.8	26.0	3.08	28.7	28.0	3.43	29.4	30.0	3.60	30.0	30.8	3.67	30.3
	20	96	23.6	2.57	23.9	26.0	3.03	24.3	28.0	3.37	24.7	30.0	3.54	25.0	30.8	3.60	25.1
	20	144	23.6	2.49	22.6	26.0	2.93	22.9	28.0	3.27	23.1	30.0	3.43	23.3	30.8	3.49	23.4
	25	48	23.6	3.26	33.0	26.0	3.84	33.9	28.0	4.27	34.6	30.0	4.48	35.3	30.8	4.57	35.6
	25	96	23.6	3.04	29.0	26.0	3.58	29.4	28.0	3.98	29.8	30.0	4.18	30.1	30.8	4.26	30.2
	25	144	23.6	2.94	27.6	26.0	3.46	27.9	28.0	3.85	28.2	30.0	4.04	28.4	30.8	4.12	28.5
	30	48	23.6	3.92	38.2	26.0	4.61	39.2	28.0	5.14	39.9	30.0	5.39	40.6	30.8	5.49	40.8
	30	96	23.6	3.85	34.1	26.0	4.53	34.6	28.0	5.05	34.9	30.0	5.30	35.3	30.8	5.40	35.4
	30	144	23.6	3.73	32.7	26.0	4.39	33.0	28.0	4.89	33.3	30.0	5.13	33.5	30.8	5.23	33.6
	35	48	23.6	4.26	43.3	26.0	5.01	44.3	28.0	5.58	45.0	30.0	5.86	45.7	30.8	5.97	46.0
	35	96	23.6	4.18	39.1	26.0	4.93	39.6	28.0	5.49	40.0	30.0	5.76	40.3	30.8	5.86	40.5
	35	144	23.6	4.05	37.8	26.0	4.77	38.1	28.0	5.32	38.3	30.0	5.58	38.5	30.8	5.68	38.6
	40	48	21.0	4.71	47.7	23.2	5.55	48.6	24.9	6.19	49.3	26.7	6.49	49.9	27.4	6.61	50.2
	40	96	21.2	4.63	43.9	23.4	5.46	44.3	25.1	6.08	44.7	26.9	6.38	45.0	27.6	6.50	45.1
	40	144	21.5	4.49	42.6	23.7	5.29	42.9	25.5	5.89	43.1	27.3	6.18	43.3	28.0	6.30	43.4
	45	48	18.8	5.13	52.2	20.8	6.04	53.0	22.4	6.73	53.7	24.0	7.06	54.3	24.6	7.20	54.5
	45	96	19.0	5.04	48.6	21.0	5.94	49.0	22.6	6.62	49.4	24.2	6.94	49.6	24.8	7.07	49.8
	45	144	19.3	4.89	47.4	21.3	5.76	47.7	22.9	6.41	47.9	24.5	6.73	48.1	25.2	6.86	48.2
90	10	48	21.3	1.39	16.1	23.5	1.64	16.8	25.3	1.83	17.3	27.1	1.92	17.8	27.8	1.95	18.0
	10	96	21.3	1.37	13.0	23.5	1.61	13.4	25.3	1.80	13.6	27.1	1.89	13.9	27.8	1.92	14.0
	10	144	21.3	1.33	12.0	23.5	1.56	12.2	25.3	1.74	12.4	27.1	1.83	12.6	27.8	1.86	12.7
	15	48	21.3	1.86	21.2	23.5	2.19	21.9	25.3	2.44	22.5	27.1	2.56	23.0	27.8	2.61	23.2
	15	96	21.3	1.83	18.1	23.5	2.15	18.5	25.3	2.40	18.7	27.1	2.52	19.0	27.8	2.56	19.1
	15	144	21.3	1.77	17.1	23.5	2.09	17.3	25.3	2.33	17.5	27.1	2.44	17.6	27.8	2.49	17.7
	20	48	21.3	2.24	26.3	23.5	2.64	27.0	25.3	2.94	27.6	27.1	3.09	28.1	27.8	3.14	28.3
	20	96	21.3	2.20	23.2	23.5	2.60	23.5	25.3	2.89	23.8	27.1	3.03	24.1	27.8	3.09	24.2
	20	144	21.3	2.14	22.1	23.5	2.52	22.3	25.3	2.80	22.5	27.1	2.94	22.7	27.8	3.00	22.8
	25	48	21.3	2.79	31.5	23.5	3.29	32.2	25.3	3.67	32.8	27.1	3.85	33.3	27.8	3.92	33.5
	25	96	21.3	2.75	28.2	23.5	3.23	28.6	25.3	3.60	28.9	27.1	3.78	29.2	27.8	3.85	29.3
	25	144	21.3	2.66	27.1	23.5	3.13	27.4	25.3	3.49	27.6	27.1	3.66	27.8	27.8	3.73	27.8
	30	48	21.3	3.36	36.6	23.5	3.95	37.4	25.3	4.40	38.0	27.1	4.62	38.5	27.8	4.71	38.7
	30	96	21.3	3.30	33.3	23.5	3.89	33.7	25.3	4.33	34.0	27.1	4.54	34.3	27.8	4.63	34.4
	30	144	21.3	3.20	32.2	23.5	3.77	32.4	25.3	4.20	32.6	27.1	4.40	32.8	27.8	4.49	32.9
	35	48	21.3	3.65	41.7	23.5	4.30	42.5	25.3	4.79	43.1	27.1	5.02	43.6	27.8	5.12	43.9
	35	96	21.3	3.59	38.3	23.5	4.22	38.7	25.3	4.71	39.0	27.1	4.94	39.3	27.8	5.03	39.4
	35	144	21.3	3.48	37.2	23.5	4.09	37.5	25.3	4.56	37.7	27.1	4.78	37.9	27.8	4.87	37.9
	40	48	19.0	4.04	46.2	20.9	4.76	46.9	22.5	5.30	47.5	24.1	5.56	48.0	24.8	5.67	48.2
	40	96	19.1	3.97	43.1	21.1	4.68	43.5	22.7	5.21	43.7	24.3	5.47	44.0	25.0	5.57	44.1
	40	144	19.4	3.85	42.1	21.4	4.54	42.3	23.0	5.05	42.5	24.7	5.30	42.7	25.3	5.40	42.8
	45	48	17.0	4.40	50.8	18.8	5.18	51.4	20.2	5.77	52.0	21.7	6.06	52.5	22.2	6.17	52.6
	45	96	17.2	4.33	47.9	19.0	5.09	48.2	20.4	5.67	48.5	21.9	5.95	48.7	22.4	6.06	48.8
	45	144	17.4	4.19	46.9	19.2	4.94	47.2	20.7	5.50	47.3	22.2	5.77	47.5	22.7	5.88	47.6
80	10	48	18.9	1.17	15.4	20.8	1.37	16.0	22.4	1.53	16.4	24.0	1.60	16.9	24.6	1.63	17.1
	10	96	18.9	1.15	12.7	20.8	1.35	13.0	22.4	1.50	13.2	24.0	1.58	13.4	24.6	1.61	13.5
	10	144	18.9	1.11	11.8	20.8	1.31	12.0	22.4	1.46	12.1	24.0	1.53	12.3	24.6	1.56	12.3
	15	48	18.9	1.56	20.5	20.8	1.83	21.1	22.4	2.04	21.6	24.0	2.14	22.0	24.6	2.18	22.2
	15	96	18.9	1.53	17.7	20.8	1.80	18.0	22.4	2.01	18.3	24.0	2.10	18.5	24.6	2.14	18.6
	15	144	18.9	1.48	16.8	20.8	1.75	17.0	22.4	1.94	17.2	24.0	2.04	17.3	24.6	2.08	17.4
	20	48	18.9	1.87	25.6	20.8	2.21	26.2	22.4	2.46	26.7	24.0	2.58	27.2	24.6	2.63	27.3
	20	96	18.9	1.84	22.8	20.8	2.17	23.1	22.4	2.42	23.3	24.0	2.54	23.6	24.6	2.58	23.7
	20	144	18.9	1.79	21.9	20.8	2.10	22.1	22.4	2.34	22.2	24.0	2.46	22.4	24.6	2.50	22.4
	25	48	18.9	2.34	30.7	20.8	2.75	31.3	22.4	3.06	31.8	24.0	3.21	32.3	24.6	3.28	32.5
	25	96	18.9	2.30	27.8	20.8	2.70	28.2	22.4	3.01	28.4	24.0	3.16	28.7	24.6	3.22	28.7
	25	144	18.9	2.23	26.9	20.8	2.62	27.1	22.4	2.92	27.3	24.0	3.06	27.4	24.6	3.12	27.5
	30	48	18.9	2.81	35.8	20.8	3.31	36.5	22.4	3.68	37.0	24.0	3.86	37.5	24.6	3.94	37.7
	30	96	18.9	2.76	32.9	20.8	3.25	33.2	22.4	3.62	33.5	24.0	3.80	33.7	24.6	3.87	33.8
	30	144	18.9	2.67	31.9	20.8	3.15	32.1	22.4	3.51	32.3	24.0	3.68	32.5	24.6	3.75	32.5
	35	48	18.9	3.05	40.9	20.8	3.59	41.6	22.4	4.00	42.1	24.0	4.20	42.6	24.6	4.28	42.8
	35	96	18.9	3.00	37.9	20.8	3.53	38.3	22.4	3.93	38.5	24.0	4.13	38.8	24.6	4.20	38.9
	35	144	18.9	2.91	37.0	20.8	3.42	37.2	22.4	3.81	37.3	24.0	4.00	37.5	24.6	4.07	37.6
	40	48	16.8	3.38	45.4	18.5	3.98	46.1	19.9	4.43	46.5	21.4	4.65	47.0	21.9	4.74	47.2
	40	96	16.9	3.32	42.7	18.7	3.91	43.0	20.1	4.36	43.3	21.6	4.57	43.5	22.1	4.66	43.6
	40	144	17.2	3.22	41.8	19.0	3.79	42.0	20.4	4.22	42.2	21.9	4.43	42.4	22.4	4.51	42.4
	45	48	15.1	3.68	50.0	16.6	4.33	50.6	17.9	4.83	51.1	19.2	5.06	51.5	19.7	5.16	51.7
	45	96	15.2	3.62	47.5	16.8	4.26	47.8	18.0	4.74	48.1	19.4	4.98	48.3	19.8	5.07	48.3
	45	144	15.4	3.50	46.7	17.0	4.13	46.9	18.3	4.60	47.1	19.6	4.82	47.2	20.1	4.91	47.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	48	16.5	0.98	14.7	18.3	1.15	15.2	19.6	1.28	15.6	21.1	1.34	16.0	21.6	1.37	16.2
	10	96	16.5	0.96	12.4	18.3	1.13	12.6	19.6	1.26	12.8	21.1	1.32	13.0	21.6	1.34	13.1
	10	144	16.5	0.93	11.6	18.3	1.09	11.7	19.6	1.22	11.9	21.1	1.28	12.0	21.6	1.30	12.1
	15	48	16.5	1.30	19.8	18.3	1.53	20.3	19.6	1.71	20.7	21.1	1.79	21.1	21.6	1.83	21.3
	15	96	16.5	1.28	17.4	18.3	1.51	17.7	19.6	1.68	17.9	21.1	1.76	18.1	21.6	1.79	18.1
	15	144	16.5	1.24	16.6	18.3	1.46	16.8	19.6	1.63	16.9	21.1	1.71	17.0	21.6	1.74	17.1
	20	48	16.5	1.57	24.9	18.3	1.85	25.4	19.6	2.06	25.8	21.1	2.16	26.2	21.6	2.20	26.4
	20	96	16.5	1.54	22.4	18.3	1.82	22.7	19.6	2.02	22.9	21.1	2.12	23.1	21.6	2.16	23.2
	20	144	16.5	1.50	21.6	18.3	1.76	21.8	19.6	1.96	21.9	21.1	2.06	22.1	21.6	2.10	22.1
	25	48	16.5	1.96	30.0	18.3	2.30	30.5	19.6	2.56	31.0	21.1	2.69	31.4	21.6	2.74	31.5
	25	96	16.5	1.92	27.5	18.3	2.26	27.8	19.6	2.52	28.0	21.1	2.65	28.2	21.6	2.69	28.3
	25	144	16.5	1.86	26.6	18.3	2.19	26.8	19.6	2.44	27.0	21.1	2.56	27.1	21.6	2.61	27.2
	30	48	16.5	2.35	35.1	18.3	2.77	35.7	19.6	3.08	36.1	21.1	3.23	36.5	21.6	3.29	36.7
	30	96	16.5	2.31	32.5	18.3	2.72	32.8	19.6	3.03	33.0	21.1	3.18	33.3	21.6	3.24	33.3
	30	144	16.5	2.24	31.7	18.3	2.64	31.9	19.6	2.94	32.0	21.1	3.08	32.2	21.6	3.14	32.2
	35	48	16.5	2.55	40.1	18.3	3.01	40.7	19.6	3.35	41.2	21.1	3.51	41.6	21.6	3.58	41.8
	35	96	16.5	2.51	37.6	18.3	2.96	37.9	19.6	3.29	38.1	21.1	3.45	38.3	21.6	3.52	38.4
	35	144	16.5	2.43	36.7	18.3	2.86	36.9	19.6	3.19	37.0	21.1	3.35	37.2	21.6	3.41	37.2
	40	48	14.7	2.83	44.7	16.2	3.33	45.3	17.5	3.71	45.7	18.7	3.89	46.1	19.2	3.97	46.2
	40	96	14.8	2.78	42.4	16.4	3.27	42.6	17.6	3.65	42.9	18.9	3.83	43.1	19.4	3.90	43.1
	40	144	15.1	2.70	41.6	16.6	3.17	41.8	17.9	3.54	41.9	19.2	3.71	42.0	19.6	3.78	42.1
	45	48	13.2	3.08	49.4	14.6	3.63	49.9	15.7	4.04	50.3	16.8	4.24	50.7	17.2	4.32	50.8
	45	96	13.3	3.03	47.2	14.7	3.56	47.5	15.8	3.97	47.7	17.0	4.17	47.8	17.4	4.24	47.9
	45	144	13.5	2.93	46.5	14.9	3.45	46.6	16.0	3.85	46.8	17.2	4.04	46.9	17.6	4.11	46.9
60	10	48	14.1	0.75	14.0	15.6	0.89	14.4	16.8	0.99	14.8	18.0	1.04	15.1	18.4	1.06	15.2
	10	96	14.1	0.74	12.0	15.6	0.87	12.2	16.8	0.97	12.4	18.0	1.02	12.6	18.4	1.04	12.6
	10	144	14.1	0.72	11.3	15.6	0.85	11.5	16.8	0.94	11.6	18.0	0.99	11.7	18.4	1.01	11.7
	15	48	14.1	1.01	19.1	15.6	1.18	19.5	16.8	1.32	19.9	18.0	1.38	20.2	18.4	1.41	20.3
	15	96	14.1	0.99	17.0	15.6	1.16	17.3	16.8	1.30	17.4	18.0	1.36	17.6	18.4	1.39	17.7
	15	144	14.1	0.96	16.4	15.6	1.13	16.5	16.8	1.26	16.6	18.0	1.32	16.7	18.4	1.34	16.8
	20	48	14.1	1.21	24.1	15.6	1.43	24.6	16.8	1.59	24.9	18.0	1.67	25.3	18.4	1.70	25.4
	20	96	14.1	1.19	22.1	15.6	1.40	22.3	16.8	1.56	22.5	18.0	1.64	22.6	18.4	1.67	22.7
	20	144	14.1	1.16	21.4	15.6	1.36	21.5	16.8	1.52	21.6	18.0	1.59	21.8	18.4	1.62	21.8
	25	48	14.1	1.51	29.2	15.6	1.78	29.7	16.8	1.98	30.0	18.0	2.08	30.4	18.4	2.12	30.5
	25	96	14.1	1.48	27.1	15.6	1.75	27.3	16.8	1.95	27.5	18.0	2.04	27.7	18.4	2.08	27.8
	25	144	14.1	1.44	26.4	15.6	1.69	26.5	16.8	1.89	26.7	18.0	1.98	26.8	18.4	2.02	26.8
	30	48	14.1	1.82	34.3	15.6	2.14	34.8	16.8	2.38	35.1	18.0	2.50	35.5	18.4	2.55	35.6
	30	96	14.1	1.78	32.1	15.6	2.10	32.4	16.8	2.34	32.6	18.0	2.46	32.7	18.4	2.50	32.8
	30	144	14.1	1.73	31.4	15.6	2.04	31.6	16.8	2.27	31.7	18.0	2.38	31.8	18.4	2.42	31.9
	35	48	14.1	1.97	39.3	15.6	2.32	39.8	16.8	2.59	40.2	18.0	2.71	40.6	18.4	2.77	40.7
	35	96	14.1	1.94	37.2	15.6	2.28	37.4	16.8	2.54	37.6	18.0	2.67	37.8	18.4	2.72	37.8
	35	144	14.1	1.88	36.4	15.6	2.21	36.6	16.8	2.47	36.7	18.0	2.59	36.8	18.4	2.63	36.9
	40	48	12.6	2.19	44.0	13.9	2.57	44.4	14.9	2.87	44.8	16.0	3.01	45.1	16.4	3.06	45.2
	40	96	12.7	2.15	42.0	14.0	2.53	42.2	15.0	2.82	42.4	16.1	2.96	42.6	16.5	3.01	42.6
	40	144	12.8	2.08	41.3	14.2	2.45	41.5	15.2	2.73	41.6	16.3	2.87	41.7	16.8	2.92	41.8
	45	48	11.3	2.38	48.7	12.4	2.80	49.1	13.4	3.12	49.4	14.3	3.27	49.7	14.7	3.34	49.9
	45	96	11.4	2.34	46.8	12.6	2.75	47.1	13.5	3.07	47.2	14.5	3.22	47.4	14.8	3.28	47.4
	45	144	11.5	2.27	46.2	12.7	2.67	46.4	13.7	2.97	46.5	14.7	3.12	46.6	15.1	3.18	46.6
50	10	48	11.8	0.58	13.3	13.0	0.68	13.7	14.0	0.76	14.0	15.0	0.80	14.3	15.4	0.81	14.4
	10	96	11.8	0.57	11.7	13.0	0.67	11.8	14.0	0.75	12.0	15.0	0.78	12.1	15.4	0.80	12.2
	10	144	11.8	0.55	11.1	13.0	0.65	11.2	14.0	0.72	11.3	15.0	0.76	11.4	15.4	0.77	11.4
	15	48	11.8	0.77	18.4	13.0	0.91	18.7	14.0	1.01	19.0	15.0	1.06	19.3	15.4	1.08	19.4
	15	96	11.8	0.76	16.7	13.0	0.90	16.9	14.0	1.00	17.0	15.0	1.05	17.2	15.4	1.07	17.2
	15	144	11.8	0.74	16.1	13.0	0.87	16.2	14.0	0.97	16.3	15.0	1.01	16.4	15.4	1.03	16.5
	20	48	11.8	0.93	23.4	13.0	1.10	23.8	14.0	1.22	24.1	15.0	1.28	24.4	15.4	1.31	24.5
	20	96	11.8	0.92	21.7	13.0	1.08	21.9	14.0	1.20	22.0	15.0	1.26	22.2	15.4	1.28	22.2
	20	144	11.8	0.89	21.1	13.0	1.05	21.3	14.0	1.17	21.4	15.0	1.22	21.5	15.4	1.25	21.5
	25	48	11.8	1.16	28.5	13.0	1.37	28.9	14.0	1.52	29.2	15.0	1.60	29.5	15.4	1.63	29.6
	25	96	11.8	1.14	26.7	13.0	1.34	26.9	14.0	1.50	27.1	15.0	1.57	27.2	15.4	1.60	27.3
	25	144	11.8	1.11	26.2	13.0	1.30	26.3	14.0	1.45	26.4	15.0	1.52	26.5	15.4	1.55	26.5
	30	48	11.8	1.40	33.5	13.0	1.64	33.9	14.0	1.83	34.3	15.0	1.92	34.6	15.4	1.96	34.7
	30	96	11.8	1.37	31.8	13.0	1.62	32.0	14.0	1.80	32.1	15.0	1.89	32.3	15.4	1.92	32.3
	30	144	11.8	1.33	31.2	13.0	1.57	31.3	14.0	1.74	31.4	15.0	1.83	31.5	15.4	1.86	31.5
	35	48	11.8	1.52	38.6	13.0	1.79	39.0	14.0	1.99	39.3	15.0	2.09	39.6	15.4	2.13	39.7
	35	96	11.8	1.49	36.8	13.0	1.76	37.0	14.0	1.96	37.1	15.0	2.05	37.3	15.4	2.09	37.4
	35	144	11.8	1.45	36.2	13.0	1.70	36.3	14.0	1.90	36.4	15.0	1.99	36.5	15.4	2.03	36.6
	40	48	10.5	1.68	43.3	11.6	1.98	43.6	12.5	2.20	43.9	13.4	2.31	44.2	13.7	2.36	44.3
	40	96	10.6	1.65	41.6	11.7	1.95	41.8	12.6	2.17	42.0	13.5	2.27	42.1	13.8	2.32	42.2
	40	144	10.7	1.60	41.1	11.9	1.89	41.2	12.7	2.10	41.3	13.7	2.20	41.4	14.0	2.24	41.5
	45	48	9.4	1.83	48.0	10.4	2.15	48.4	11.2	2.40	48.6	12.0	2.52	48.9	12.3	2.56	49.0
	45	96	9.5	1.80	46.5	10.5	2.12	46.7	11.3	2.36	46.8	12.1	2.47	47.0	12.4	2.52	47.0
	45	144	9.6	1.74	46.0	10.6	2.05	46.1	11.4	2.29	46.2	12.3	2.40	46.3	12.6	2.44	46.3

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	48	37.9	8.18	-3.9	37.3	7.81	-3.8	36.2	7.61	-3.5	34.0	7.05	-3.0	32.7	6.52	-2.8
	5	96	39.0	8.12	0.4	38.1	7.87	0.5	36.9	7.73	0.6	34.5	7.15	0.9	33.2	6.61	1.0
	5	144	39.3	8.41	1.9	38.4	8.13	2.0	37.1	7.88	2.1	34.8	7.30	2.3	33.6	6.86	2.3
	10	48	38.2	7.32	0.8	37.5	6.99	0.9	36.2	6.86	1.3	34.0	6.36	1.8	32.7	5.91	2.0
	10	96	39.0	7.26	5.3	38.1	7.01	5.4	36.9	6.91	5.5	34.5	6.34	5.8	33.2	5.91	5.9
	10	144	39.3	7.41	6.8	38.5	7.16	6.9	37.3	6.95	7.0	34.8	6.39	7.2	33.6	6.02	7.3
	15	48	38.4	6.55	5.5	37.7	6.21	5.6	37.1	6.24	5.8	34.5	5.66	6.4	33.0	5.33	6.7
	15	96	39.5	6.28	10.0	38.7	6.10	10.1	38.3	6.19	10.2	35.6	5.50	10.5	34.0	5.14	10.7
	15	144	39.8	6.51	11.7	39.3	6.31	11.7	39.0	6.20	11.7	36.2	5.49	11.9	34.7	5.36	12.1
	20	48	39.7	6.02	9.9	39.0	5.69	10.0	38.5	5.65	10.2	35.8	5.06	10.8	34.2	5.02	11.3
	20	96	41.0	5.79	14.7	40.3	5.70	14.8	39.6	5.67	14.9	37.0	5.22	15.3	35.4	5.04	15.5
	20	144	41.3	5.85	16.5	40.7	5.67	16.5	40.4	5.69	16.5	37.4	5.11	16.8	35.8	5.04	16.9
	25	48	41.6	5.76	14.3	40.6	5.53	14.5	40.2	5.50	14.6	37.6	5.01	15.3	36.1	4.79	15.6
	25	96	41.6	5.67	19.6	40.6	5.49	19.8	40.2	5.40	19.8	37.6	4.93	20.1	36.1	4.81	20.3
	25	144	41.6	5.55	21.4	40.6	5.27	21.5	40.2	5.29	21.5	37.6	4.96	21.7	36.1	4.51	21.9
	30	48	41.6	5.59	19.2	40.6	5.27	19.4	40.2	5.28	19.6	37.6	4.71	20.2	36.1	4.75	20.6
	30	96	41.6	5.40	24.6	40.6	5.23	24.7	40.2	5.15	24.8	37.6	4.75	25.1	36.1	4.44	25.3
	30	144	41.6	5.29	26.4	40.6	5.01	26.5	40.2	5.02	26.5	37.6	4.43	26.7	36.1	4.63	26.9
	35	48	41.6	5.33	24.2	40.6	5.09	24.4	40.2	5.07	24.5	37.6	4.54	25.1	36.1	4.25	25.5
	35	96	41.6	5.15	29.6	40.6	4.98	29.7	40.2	4.97	29.7	37.6	4.48	30.1	36.1	4.15	30.2
	35	144	41.6	5.15	31.4	40.6	4.89	31.4	40.2	4.84	31.5	37.6	4.36	31.7	36.1	4.04	31.8
	40	48	41.6	5.15	29.1	40.6	4.92	29.3	40.2	4.89	29.4	37.6	4.36	30.1	36.1	4.18	30.5
	40	96	41.6	4.97	34.5	40.6	4.79	34.7	40.2	4.72	34.7	37.6	4.21	35.0	36.1	4.03	35.2
	40	144	41.6	4.84	36.3	40.6	4.68	36.4	40.2	4.72	36.5	37.6	4.21	36.7	36.1	4.03	36.8
	45	48	41.6	4.97	34.1	40.6	4.76	34.3	40.2	4.72	34.4	37.6	4.16	35.0	36.1	4.14	35.4
	45	96	41.6	4.81	39.5	40.6	4.63	39.6	40.2	4.46	39.7	37.6	3.89	40.0	36.1	3.90	40.2
	45	144	41.6	4.53	41.3	40.6	4.46	41.4	40.2	4.59	41.5	37.6	4.01	41.7	36.1	4.03	41.8
120	5	48	36.1	8.12	-3.4	35.5	7.78	-3.3	34.4	7.56	-3.0	32.4	6.95	-2.6	31.0	6.42	-2.3
	5	96	37.0	8.23	0.7	36.2	7.94	0.8	34.8	7.73	1.0	32.7	7.10	1.2	31.4	6.50	1.3
	5	144	37.3	8.31	2.1	35.9	8.02	2.2	35.0	7.88	2.3	32.9	7.24	2.4	31.5	6.64	2.5
	10	48	36.3	7.26	1.3	35.7	6.96	1.4	34.4	6.82	1.8	32.4	6.27	2.2	31.0	5.82	2.5
	10	96	37.0	7.36	5.6	36.2	7.07	5.6	34.8	6.91	5.8	32.7	6.30	6.1	31.4	5.81	6.2
	10	144	37.3	7.32	7.0	36.0	7.07	7.1	35.2	6.95	7.2	32.9	6.33	7.4	31.5	5.83	7.4
	15	48	36.5	6.43	6.0	35.8	6.15	6.2	35.3	6.15	6.3	32.9	5.58	6.9	31.3	5.24	7.2
	15	96	37.3	6.49	10.4	36.6	6.21	10.5	36.1	6.19	10.5	33.6	5.50	10.8	31.9	5.07	11.0
	15	144	37.6	6.34	11.9	36.6	6.12	12.0	36.5	6.20	12.0	34.0	5.49	12.2	32.3	5.07	12.3
	20	48	37.5	5.77	10.5	36.8	5.47	10.6	36.2	5.40	10.8	33.7	4.89	11.4	32.0	4.87	11.9
	20	96	38.5	5.71	15.1	37.7	5.58	15.2	36.9	5.54	15.3	34.5	5.04	15.6	32.8	4.75	15.8
	20	144	38.7	5.70	16.7	37.6	5.48	16.8	37.5	5.50	16.8	34.9	4.94	17.0	33.1	4.78	17.2
	25	48	39.1	5.44	14.9	37.9	5.12	15.2	37.3	5.10	15.4	34.9	4.61	16.0	33.4	4.39	16.3
	25	96	39.2	5.36	19.9	37.9	5.09	20.1	37.3	5.07	20.2	34.9	4.52	20.5	33.4	4.41	20.7
	25	144	39.4	5.06	21.6	37.9	4.89	21.7	37.3	4.93	21.8	34.9	4.67	22.0	33.4	4.13	22.1
	30	48	39.3	5.18	19.8	37.9	4.87	20.1	37.3	4.81	20.3	34.9	4.22	20.9	33.4	4.25	21.3
	30	96	39.3	5.01	24.9	37.9	4.75	25.0	37.3	4.72	25.1	34.9	4.25	25.4	33.4	3.96	25.6
	30	144	39.3	4.77	26.6	37.9	4.59	26.7	37.3	4.58	26.7	34.9	4.08	26.9	33.4	4.13	27.1
	35	48	39.3	4.92	24.7	37.9	4.61	25.1	37.3	4.54	25.2	34.9	4.05	25.8	33.4	3.77	26.1
	35	96	39.3	4.64	29.8	37.9	4.43	30.0	37.3	4.37	30.1	34.9	3.91	30.4	33.4	3.61	30.6
	35	144	39.3	4.56	31.5	37.9	4.39	31.7	37.3	4.37	31.7	34.9	3.91	31.9	33.4	3.61	32.0
	40	48	39.3	4.75	29.7	37.9	4.39	30.0	37.3	4.28	30.1	34.9	3.79	30.7	33.4	3.62	31.1
	40	96	39.3	4.38	34.8	37.9	4.18	35.0	37.3	4.10	35.0	34.9	3.64	35.3	33.4	3.47	35.5
	40	144	39.3	4.30	36.5	37.9	4.10	36.6	37.3	4.10	36.7	34.9	3.64	36.9	33.4	3.47	37.0
	45	48	39.3	4.58	34.6	37.9	4.16	34.9	37.3	4.02	35.1	34.9	3.52	35.6	33.4	3.48	36.1
	45	96	39.3	4.12	39.7	37.9	3.92	39.9	37.3	3.84	40.0	34.9	3.34	40.3	33.4	3.32	40.5
	45	144	39.3	4.04	41.5	37.9	3.82	41.6	37.3	3.84	41.7	34.9	3.34	41.9	33.4	3.32	42.0
110	5	48	34.6	8.20	-2.9	33.8	7.81	-2.8	32.6	7.58	-2.5	30.8	6.95	-2.1	29.2	6.42	-1.8
	5	96	35.3	8.26	1.0	34.2	7.94	1.1	32.9	7.73	1.2	31.0	7.10	1.4	29.4	6.50	1.6
	5	144	35.6	8.39	2.3	34.4	8.02	2.4	33.0	7.81	2.5	31.0	7.16	2.6	29.5	6.64	2.7
	10	48	34.8	7.34	1.8	33.9	6.99	2.0	32.6	6.84	2.3	30.8	6.27	2.7	29.2	5.82	3.0
	10	96	35.3	7.39	5.8	34.2	7.07	5.9	32.9	6.91	6.1	31.0	6.30	6.3	29.4	5.81	6.5
	10	144	35.6	7.39	7.2	34.5	7.07	7.3	33.2	6.89	7.4	31.0	6.27	7.5	29.5	5.83	7.6
	15	48	34.9	6.47	6.5	34.0	6.21	6.7	33.4	6.19	6.9	31.2	5.58	7.3	29.4	5.24	7.8
	15	96	35.5	6.43	10.7	34.5	6.21	10.8	33.8	6.19	10.9	31.5	5.50	11.1	29.8	5.07	11.3
	15	144	35.8	6.37	12.1	34.7	6.12	12.2	34.1	6.07	12.2	31.7	5.37	12.4	29.9	5.07	12.5
	20	48	35.6	5.61	11.1	34.6	5.38	11.3	33.9	5.32	11.5	31.5	4.81	12.0	29.8	4.72	12.5
	20	96	36.4	5.58	15.4	35.0	5.41	15.6	34.2	5.35	15.7	32.0	4.89	16.0	30.2	4.53	16.2
	20	144	36.6	5.65	16.9	35.5	5.38	17.0	34.6	5.32	17.1	32.2	4.66	17.3	30.5	4.53	17.4
	25	48	36.5	5.08	15.6	35.4	4.81	15.9	34.5	4.80	16.1	32.2	4.28	16.7	30.6	4.00	17.1
	25	96	36.8	5.05	20.3	35.4	4.73	20.4	34.5	4.72	20.5	32.2	4.20	20.8	30.6	4.01	21.0
	25	144	37.1	5.05	21.8	35.4	4.76	22.0	34.5	4.58	22.0	32.2	4.34	22.2	30.6	3.75	22.3
	30	48	37.0	4.62	20.3	35.4	4.38	20.7	34.5	4.28	21.0	32.2	3.83	21.5	30.6	3.68	22.0
	30	96	37.0	4.54	25.1	35.4	4.30	25.4	34.5	4.19	25.5	32.2	3.84	25.8	30.6	3.48	26.0
	30	144	37.0	4.49	26.8	35.4	4.17	26.9	34.5	4.05	27.0	32.2	3.58	27.2	30.6	3.63	27.3
	35	48	37.0	4.36	25.2	35.4	4.04	25.6	34.5	3.93	25.9	32.2	3.49	26.4	30.6	3.22	26.8
	35	96	37.0	4.19	30.1	35.4	3.96	30.3	34.5	3.83	30.4	32.2	3.42	30.7	30.6	3.13	30.9
	35	144	37.0	4.03	31.7	35.4	3.82	31.9	34.5	3.72	31.9	32.2	3.42	32.1	30.6	3.13	32.3
	40	48	37.0	4.10	30.2	35.4	3.87	30.6	34.5	3.67	30.8	32.2	3.23	31.4	30.6	3.05	31.8
	40	96	37.0	3.93	35.1	35.4	3.70	35.3	34.5	3.49	35.4	32.2	3.15	35.7	30.6	2.98	35.9
	40	144	37.0	3.84	36.7	35.4	3.56	36.8	34.5	3.49	36.9	32.2	3.02	37.1	30.6	2.86	37.2
	45	48	37.0	3.83	35.1	35.4	3.70	35.5	34.5	3.40	35.7	32.2	2.97	36.3	30.6	2.89	36.7
	45	96	37.0	3.67	40.0	35.4	3.44	40.2	34.5	3.14	40.3	32.2	2.86	40.6	30.6	2.83	40.9
	45	144	37.0	3.67	41.7	35.4	3.30	41.8	34.5	3.28	41.9	32.2	2.62	42.1	30.6	2.56	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	48	33.0	8.23	-2.4	31.8	7.91	-2.1	30.7	7.60	-1.9	29.0	6.97	-1.6	27.3	6.34	-1.3
	5	96	33.5	8.38	1.3	32.1	8.05	1.4	30.8	7.76	1.6	29.0	7.12	1.7	27.3	6.47	1.9
	5	144	33.8	8.46	2.5	32.2	8.13	2.6	30.7	7.83	2.7	29.0	7.19	2.8	27.3	6.53	2.9
	10	48	33.2	7.36	2.3	31.9	7.08	2.6	30.7	6.86	2.9	29.0	6.28	3.2	27.3	5.75	3.6
	10	96	33.5	7.49	6.1	32.1	7.17	6.3	30.8	6.93	6.4	29.0	6.31	6.6	27.3	5.78	6.8
	10	144	33.8	7.45	7.4	32.3	7.17	7.5	30.9	6.91	7.6	29.0	6.28	7.7	27.3	5.73	7.8
	15	48	33.3	6.49	7.0	32.1	6.26	7.3	31.5	6.21	7.4	29.4	5.60	7.9	27.6	5.17	8.3
	15	96	33.5	6.62	11.0	32.1	6.28	11.1	31.5	6.21	11.2	29.4	5.52	11.4	27.6	5.08	11.6
	15	144	33.9	6.45	12.3	32.4	6.20	12.4	31.5	6.09	12.5	29.4	5.38	12.6	27.6	4.96	12.7
	20	48	33.6	5.54	11.6	32.2	5.31	12.0	31.5	5.25	12.2	29.4	4.75	12.6	27.6	4.48	13.1
	20	96	34.1	5.59	15.7	32.3	5.36	16.0	31.5	5.25	16.1	29.4	4.75	16.3	27.6	4.31	16.5
	20	144	34.4	5.50	17.1	32.8	5.26	17.3	31.5	5.11	17.4	29.4	4.52	17.5	27.6	4.18	17.7
	25	48	34.0	4.84	16.3	32.7	4.58	16.6	31.5	4.46	16.9	29.4	3.97	17.4	27.6	3.62	17.8
	25	96	34.5	4.85	20.6	32.7	4.48	20.8	31.5	4.38	21.0	29.4	3.88	21.2	27.6	3.62	21.4
	25	144	34.8	4.69	22.0	32.7	4.44	22.2	31.5	4.25	22.3	29.4	3.88	22.5	27.6	3.49	22.6
	30	48	34.7	4.38	21.0	32.7	3.97	21.4	31.5	3.77	21.7	29.4	3.36	22.2	27.6	3.20	22.7
	30	96	34.7	4.29	25.5	32.7	3.88	25.7	31.5	3.73	25.9	29.4	3.36	26.1	27.6	3.10	26.3
	30	144	34.7	4.16	27.0	32.7	3.88	27.1	31.5	3.65	27.2	29.4	3.22	27.4	27.6	3.10	27.6
	35	48	34.7	4.03	25.9	32.7	3.62	26.3	31.5	3.32	26.6	29.4	3.01	27.1	27.6	2.75	27.6
	35	96	34.7	3.84	30.4	32.7	3.45	30.6	31.5	3.28	30.8	29.4	2.93	31.0	27.6	2.67	31.3
	35	144	34.7	3.84	31.9	32.7	3.45	32.1	31.5	3.21	32.2	29.4	2.93	32.4	27.6	2.67	32.5
	40	48	34.7	3.77	30.8	32.7	3.36	31.2	31.5	2.98	31.5	29.4	2.67	32.0	27.6	2.50	32.5
	40	96	34.7	3.59	35.4	32.7	3.20	35.6	31.5	2.94	35.7	29.4	2.59	36.0	27.6	2.42	36.2
	40	144	34.7	3.46	36.9	32.7	3.20	37.1	31.5	2.86	37.1	29.4	2.59	37.3	27.6	2.42	37.5
	45	48	34.7	3.50	35.7	32.7	3.10	36.2	31.5	2.63	36.4	29.4	2.32	36.9	27.6	2.24	37.4
	45	96	34.7	3.32	40.3	32.7	2.93	40.6	31.5	2.59	40.7	29.4	2.24	40.9	27.6	2.16	41.2
	45	144	34.7	3.07	41.9	32.7	2.93	42.0	31.5	2.51	42.1	29.4	2.24	42.3	27.6	2.16	42.5
90	5	48	29.5	7.31	-1.6	28.5	6.90	-1.5	27.7	6.52	-1.3	25.4	5.99	-0.8	23.3	5.37	-0.4
	5	96	29.7	7.44	1.7	28.4	7.04	1.8	27.7	6.64	1.9	25.4	6.11	2.1	23.3	5.47	2.3
	5	144	29.9	7.51	2.8	28.6	7.10	2.9	27.7	6.72	2.9	25.4	6.17	3.1	23.3	5.54	3.2
	10	48	29.7	6.43	3.0	28.6	6.12	3.3	27.7	5.88	3.5	25.4	5.40	4.0	23.3	4.88	4.5
	10	96	29.6	6.45	6.5	28.5	6.15	6.7	27.7	5.90	6.8	25.4	5.38	7.0	23.3	4.89	7.2
	10	144	29.9	6.43	7.7	28.6	6.12	7.8	27.7	5.88	7.8	25.4	5.41	8.0	23.3	4.91	8.2
	15	48	29.8	5.55	7.8	28.7	5.34	8.0	27.7	5.24	8.3	25.9	4.81	8.7	24.6	4.38	9.0
	15	96	29.6	5.45	11.4	28.5	5.26	11.5	27.7	5.16	11.6	25.9	4.64	11.8	24.6	4.30	12.0
	15	144	29.9	5.34	12.6	28.6	5.14	12.7	27.7	5.02	12.7	25.9	4.64	12.9	24.6	4.30	13.0
	20	48	30.0	4.70	12.4	28.8	4.55	12.8	27.7	4.47	13.1	25.9	4.12	13.5	24.6	3.87	13.8
	20	96	29.9	4.70	16.2	28.6	4.50	16.4	28.2	4.47	16.5	25.9	3.96	16.7	24.6	3.70	16.9
	20	144	30.0	4.58	17.5	28.7	4.45	17.6	28.2	4.47	17.6	25.9	3.96	17.8	24.6	3.70	17.9
	25	48	30.6	4.10	17.1	29.2	3.88	17.4	28.2	3.85	17.7	25.9	3.44	18.3	24.6	3.19	18.6
	25	96	30.9	4.06	21.0	29.2	3.84	21.2	28.2	3.77	21.4	25.9	3.35	21.6	24.6	3.09	21.8
	25	144	31.1	3.90	22.3	29.2	3.71	22.5	28.2	3.77	22.6	25.9	3.35	22.8	24.6	3.09	22.9
	30	48	31.0	3.70	21.9	29.2	3.46	22.3	28.2	3.33	22.6	25.9	3.00	23.2	24.6	2.74	23.5
	30	96	31.0	3.63	25.9	29.2	3.37	26.1	28.2	3.25	26.3	25.9	2.93	26.6	24.6	2.74	26.7
	30	144	31.0	3.49	27.3	29.2	3.24	27.4	28.2	3.25	27.5	25.9	2.93	27.7	24.6	2.63	27.8
	35	48	31.0	3.37	26.8	29.2	3.12	27.2	28.2	2.98	27.5	25.9	2.66	28.1	24.6	2.49	28.4
	35	96	31.0	3.44	30.9	29.2	3.03	31.1	28.2	2.89	31.2	25.9	2.58	31.5	24.6	2.49	31.7
	35	144	31.0	3.15	32.2	29.2	3.09	32.4	28.2	2.76	32.5	25.9	2.58	32.7	24.6	2.49	32.8
	40	48	31.0	3.12	31.7	29.2	2.87	32.1	28.2	2.63	32.4	25.9	2.41	33.0	24.6	2.23	33.3
	40	96	31.0	2.94	35.8	29.2	2.78	36.1	28.2	2.54	36.2	25.9	2.32	36.5	24.6	2.15	36.6
	40	144	31.0	2.94	37.2	29.2	2.78	37.4	28.2	2.54	37.4	25.9	2.32	37.7	24.6	2.23	37.8
	45	48	31.0	2.87	36.6	29.2	2.61	37.1	28.2	2.27	37.3	25.9	2.15	37.9	24.6	1.97	38.2
	45	96	31.0	2.61	40.8	29.2	2.53	41.0	28.2	2.20	41.1	25.9	2.07	41.4	24.6	1.89	41.6
	45	144	31.0	3.00	42.2	29.2	2.66	42.4	28.2	2.31	42.4	25.9	2.07	42.6	24.6	1.89	42.7
80	5	48	28.3	6.06	-1.6	26.5	5.72	-1.2	25.0	5.47	-0.8	23.6	4.96	-0.6	21.7	4.45	-0.1
	5	96	28.3	6.17	1.7	26.5	5.83	1.9	25.1	5.58	2.1	23.6	5.07	2.2	21.7	4.54	2.4
	5	144	28.3	6.23	2.8	26.5	5.89	3.0	25.1	5.64	3.1	23.6	5.12	3.2	21.7	4.60	3.3
	10	48	28.3	5.33	3.2	26.5	5.07	3.6	25.0	4.94	4.0	23.6	4.48	4.3	21.7	4.04	4.7
	10	96	28.3	5.35	6.6	26.5	5.10	6.8	25.1	4.99	7.0	23.6	4.46	7.1	21.7	4.05	7.4
	10	144	28.3	5.33	7.7	26.5	5.07	7.9	25.2	4.98	8.0	23.6	4.48	8.1	21.7	4.08	8.2
	15	48	28.3	4.60	7.9	26.5	4.43	8.4	25.7	4.47	8.7	23.7	3.99	9.1	22.4	3.64	9.4
	15	96	28.3	4.52	11.5	26.5	4.36	11.7	25.7	4.47	11.8	23.7	3.85	12.0	22.4	3.56	12.2
	15	144	28.3	4.43	12.6	26.5	4.26	12.8	25.7	4.38	12.9	23.7	3.85	13.0	22.4	3.56	13.1
	20	48	28.3	3.89	12.7	26.5	3.78	13.2	25.7	3.78	13.5	23.7	3.42	13.9	22.4	3.21	14.3
	20	96	28.3	3.89	16.4	26.5	3.73	16.6	25.7	3.78	16.7	23.7	3.28	16.9	22.4	3.07	17.1
	20	144	28.3	3.80	17.6	26.5	3.69	17.7	25.7	3.68	17.8	23.7	3.28	18.0	22.4	3.07	18.1
	25	48	28.4	3.40	17.5	26.6	3.22	18.0	25.7	3.21	18.3	23.7	2.85	18.8	22.4	2.64	19.1
	25	96	28.4	3.37	21.3	26.6	3.19	21.5	25.7	3.15	21.6	23.7	2.78	21.9	22.4	2.56	22.0
	25	144	28.4	3.24	22.5	26.6	3.08	22.7	25.7	3.06	22.7	23.7	2.78	22.9	22.4	2.56	23.0
	30	48	28.4	3.07	22.4	26.6	2.87	22.9	25.7	2.71	23.1	23.7	2.49	23.7	22.4	2.27	24.0
	30	96	28.4	3.01	26.2	26.6	2.80	26.4	25.7	2.68	26.6	23.7	2.43	26.8	22.4	2.27	27.0
	30	144	28.4	2.90	27.5	26.6	2.69	27.6	25.7	2.63	27.7	23.7	2.43	27.9	22.4	2.18	28.0
	35	48	28.4	2.80	27.3	26.6	2.59	27.8	25.7	2.39	28.0	23.7	2.21	28.6	22.4	2.07	28.9
	35	96	28.4	2.85	31.2	26.6	2.51	31.4	25.7	2.36	31.5	23.7	2.14	31.8	22.4	2.07	32.0
	35	144	28.4	2.61	32.4	26.6	2.56	32.6	25.7	2.31	32.7	23.7	2.14	32.9	22.4	2.07	33.0
	40	48	28.4	2.59	32.3	26.6	2.38	32.8	25.7	2.14	33.0	23.7	2.00	33.5	22.4	1.85	33.9
	40	96	28.4	2.44	36.1	26.6	2.31	36.4	25.7	2.12	36.5	23.7	1.92	36.7	22.4	1.79	36.9
	40	144	28.4	2.44	37.4	26.6	2.31	37.6	25.7	2.06	37.6	23.7	1.92	37.8	22.4	1.85	38.0
	45	48	28.4	2.44	37.2	26.6	2.31	37.7	25.7	1.89	37.9	23.7	1.92	38.5	22.4	1.85	38.9
	45	96	28.4	2.44	41.1	26.6	2.31	41.4	25.7	1.86	41.4	23.7	1.92	41.7	22.4	1.85	41.9
	45	144	28.4	2.44	42.4	26.6	2.31	42.6	25.7	1.81	42.6	23.7	1.92	42.8	22.4	1.85	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	48	24.4	5.08	-0.8	22.9	4.80	-0.4	22.2	4.53	-0.3	20.4	4.16	0.2	18.7	3.73	0.5
	5	96	24.4	5.18	2.1	22.9	4.89	2.3	22.2	4.62	2.4	20.4	4.25	2.6	18.7	3.81	2.8
	5	144	24.4	5.22	3.1	22.9	4.94	3.2	22.2	4.67	3.3	20.4	4.29	3.4	18.7	3.85	3.5
	10	48	24.4	4.47	4.0	22.9	4.25	4.4	22.2	4.09	4.6	20.4	3.75	5.0	18.7	3.39	5.4
	10	96	24.4	4.48	7.0	22.9	4.27	7.2	22.2	4.10	7.3	20.4	3.74	7.5	18.7	3.40	7.7
	10	144	24.4	4.47	8.0	22.9	4.25	8.1	22.2	4.09	8.2	20.4	3.76	8.3	18.7	3.42	8.5
	15	48	24.4	3.86	8.9	22.9	3.71	9.3	22.2	3.65	9.5	20.5	3.34	9.9	19.3	3.05	10.1
	15	96	24.4	3.79	11.9	22.9	3.65	12.1	22.2	3.59	12.2	20.5	3.23	12.4	19.3	2.99	12.6
	15	144	24.4	3.71	12.9	22.9	3.58	13.1	22.2	3.49	13.1	20.5	3.23	13.3	19.3	2.99	13.4
	20	48	24.4	3.27	13.7	22.9	3.17	14.1	22.2	3.11	14.3	20.5	2.87	14.7	19.3	2.69	15.0
	20	96	24.4	3.27	16.8	22.9	3.13	17.1	22.2	3.17	17.2	20.5	2.75	17.4	19.3	2.57	17.5
	20	144	24.4	3.19	17.9	22.9	3.09	18.0	22.2	3.17	18.1	20.5	2.75	18.2	19.3	2.57	18.3
	25	48	24.6	2.85	18.5	23.0	2.70	18.9	22.2	2.68	19.2	20.5	2.39	19.6	19.3	2.22	19.9
	25	96	24.6	2.82	21.8	23.0	2.67	22.0	22.2	2.62	22.1	20.5	2.33	22.3	19.3	2.15	22.4
	25	144	24.6	2.71	22.8	23.0	2.58	23.0	22.2	2.62	23.1	20.5	2.33	23.2	19.3	2.15	23.3
	30	48	24.6	2.57	23.4	23.0	2.40	23.9	22.2	2.31	24.1	20.5	2.09	24.5	19.3	1.91	24.8
	30	96	24.6	2.52	26.7	23.0	2.34	26.9	22.2	2.26	27.0	20.5	2.03	27.2	19.3	1.91	27.4
	30	144	24.6	2.43	27.8	23.0	2.25	27.9	22.2	2.26	28.0	20.5	2.03	28.2	19.3	1.83	28.3
	35	48	24.6	2.34	28.4	23.0	2.17	28.8	22.2	2.07	29.0	20.5	1.85	29.4	19.3	1.73	29.7
	35	96	24.6	2.39	31.7	23.0	2.11	31.9	22.2	2.01	32.0	20.5	1.79	32.2	19.3	1.73	32.4
	35	144	24.6	2.19	32.8	23.0	2.15	32.9	22.2	1.92	33.0	20.5	1.79	33.1	19.3	1.73	33.2
	40	48	24.6	2.17	33.3	23.0	2.00	33.7	22.2	1.83	33.9	20.5	1.68	34.4	19.3	1.55	34.7
	40	96	24.6	2.05	36.6	23.0	1.94	36.9	22.2	1.77	36.9	20.5	1.61	37.2	19.3	1.50	37.3
	40	144	24.6	2.05	37.8	23.0	1.94	37.9	22.2	1.77	38.0	20.5	1.61	38.1	19.3	1.55	38.2
	45	48	24.6	2.05	38.3	23.0	1.94	38.7	22.2	1.77	38.9	20.5	1.61	39.4	19.3	1.55	39.7
	45	96	24.6	2.05	41.6	23.0	1.94	41.9	22.2	1.77	41.9	20.5	1.61	42.2	19.3	1.55	42.3
	45	144	24.6	2.05	42.8	23.0	1.94	42.9	22.2	1.77	43.0	20.5	1.61	43.1	19.3	1.55	43.2
60	5	48	20.9	4.07	0.0	19.6	3.84	0.3	19.0	3.63	0.4	17.4	3.33	0.8	16.0	2.99	1.1
	5	96	20.9	4.14	2.5	19.6	3.91	2.7	19.0	3.70	2.7	17.4	3.40	2.9	16.0	3.05	3.1
	5	144	20.9	4.18	3.3	19.6	3.95	3.4	19.0	3.74	3.5	17.4	3.43	3.6	16.0	3.08	3.7
	10	48	20.9	3.58	4.8	19.6	3.40	5.2	19.0	3.27	5.3	17.4	3.00	5.7	16.0	2.71	6.0
	10	96	20.9	3.59	7.4	19.6	3.42	7.6	19.0	3.28	7.7	17.4	2.99	7.8	16.0	2.72	8.0
	10	144	20.9	3.58	8.3	19.6	3.40	8.4	19.0	3.27	8.4	17.4	3.01	8.6	16.0	2.73	8.7
	15	48	20.9	3.09	9.7	19.6	2.97	10.0	19.0	2.92	10.2	17.5	2.68	10.6	16.5	2.44	10.8
	15	96	20.9	3.03	12.3	19.6	2.92	12.5	19.0	2.87	12.6	17.5	2.58	12.8	16.5	2.39	12.9
	15	144	20.9	2.97	13.2	19.6	2.86	13.3	19.0	2.79	13.4	17.5	2.58	13.5	16.5	2.39	13.6
	20	48	20.9	2.61	14.5	19.6	2.53	14.9	19.0	2.49	15.1	17.5	2.29	15.4	16.5	2.15	15.7
	20	96	20.9	2.61	17.3	19.6	2.50	17.5	19.0	2.54	17.5	17.5	2.20	17.7	16.5	2.06	17.8
	20	144	20.9	2.55	18.2	19.6	2.48	18.3	19.0	2.54	18.4	17.5	2.20	18.5	16.5	2.06	18.6
	25	48	21.0	2.28	19.4	19.7	2.16	19.8	19.0	2.14	20.0	17.5	1.91	20.3	16.5	1.77	20.6
	25	96	21.0	2.26	22.2	19.7	2.14	22.4	19.0	2.10	22.5	17.5	1.86	22.7	16.5	1.72	22.8
	25	144	21.0	2.17	23.1	19.7	2.07	23.2	19.0	2.10	23.3	17.5	1.86	23.4	16.5	1.72	23.5
	30	48	21.0	2.06	24.3	19.7	1.92	24.7	19.0	1.85	24.9	17.5	1.67	25.3	16.5	1.53	25.5
	30	96	21.0	2.02	27.2	19.7	1.88	27.3	19.0	1.81	27.4	17.5	1.63	27.6	16.5	1.53	27.8
	30	144	21.0	1.94	28.1	19.7	1.80	28.2	19.0	1.81	28.3	17.5	1.63	28.4	16.5	1.46	28.5
	35	48	21.0	1.88	29.3	19.7	1.74	29.6	19.0	1.66	29.8	17.5	1.48	30.2	16.5	1.39	30.5
	35	96	21.0	1.91	32.1	19.7	1.69	32.3	19.0	1.61	32.4	17.5	1.43	32.6	16.5	1.39	32.7
	35	144	21.0	1.75	33.1	19.7	1.72	33.2	19.0	1.53	33.3	17.5	1.43	33.4	16.5	1.39	33.5
	40	48	21.0	1.74	34.2	19.7	1.60	34.6	19.0	1.46	34.8	17.5	1.34	35.2	16.5	1.24	35.4
	40	96	21.0	1.64	37.1	19.7	1.55	37.3	19.0	1.41	37.4	17.5	1.29	37.6	16.5	1.20	37.7
	40	144	21.0	1.64	38.1	19.7	1.55	38.2	19.0	1.41	38.2	17.5	1.29	38.4	16.5	1.24	38.5
	45	48	21.0	1.64	39.2	19.7	1.55	39.6	19.0	1.41	39.7	17.5	1.29	40.1	16.5	1.24	40.4
	45	96	21.0	1.64	42.1	19.7	1.55	42.3	19.0	1.41	42.4	17.5	1.29	42.6	16.5	1.24	42.7
	45	144	21.0	1.64	43.1	19.7	1.55	43.2	19.0	1.41	43.2	17.5	1.29	43.4	16.5	1.24	43.5
50	5	48	17.4	3.22	0.8	16.0	3.02	1.1	15.4	2.90	1.3	14.5	2.66	1.5	13.7	2.42	1.6
	5	96	17.4	3.27	2.9	16.1	3.07	3.1	15.4	2.96	3.1	14.5	2.72	3.2	13.7	2.47	3.3
	5	144	17.4	3.30	3.6	16.2	3.11	3.7	15.4	2.99	3.8	14.5	2.75	3.8	13.7	2.49	3.9
	10	48	17.4	2.83	5.7	16.0	2.70	6.0	15.4	2.62	6.2	14.5	2.40	6.4	13.7	2.20	6.6
	10	96	17.4	2.84	7.8	16.1	2.74	8.0	15.4	2.65	8.1	14.5	2.41	8.2	13.7	2.21	8.3
	10	144	17.4	2.83	8.6	16.2	2.74	8.7	15.5	2.64	8.7	14.5	2.40	8.8	13.7	2.19	8.9
	15	48	17.4	2.44	10.5	16.1	2.39	10.9	15.8	2.37	11.0	14.7	2.14	11.2	13.8	1.98	11.5
	15	96	17.4	2.40	12.8	16.1	2.40	13.0	15.8	2.37	13.0	14.7	2.11	13.1	13.8	1.94	13.2
	15	144	17.4	2.35	13.5	16.3	2.37	13.6	15.8	2.32	13.7	14.7	2.06	13.7	13.8	1.89	13.8
	20	48	17.4	2.07	15.4	16.2	2.03	15.8	15.8	2.01	15.9	14.7	1.81	16.1	13.8	1.71	16.4
	20	96	17.4	2.07	17.7	16.2	2.05	17.9	15.8	2.01	17.9	14.7	1.81	18.1	13.8	1.65	18.2
	20	144	17.4	2.02	18.5	16.5	2.01	18.6	15.8	1.95	18.6	14.7	1.73	18.7	13.8	1.60	18.8
	25	48	17.5	1.80	20.3	16.4	1.75	20.6	15.8	1.71	20.8	14.7	1.52	21.0	13.8	1.38	21.3
	25	96	17.5	1.79	22.7	16.4	1.71	22.8	15.8	1.67	22.9	14.7	1.48	23.0	13.8	1.38	23.1
	25	144	17.5	1.72	23.4	16.4	1.69	23.5	15.8	1.62	23.6	14.7	1.48	23.7	13.8	1.33	23.8
	30	48	17.5	1.63	25.3	16.4	1.52	25.6	15.8	1.44	25.7	14.7	1.28	26.0	13.8	1.22	26.2
	30	96	17.5	1.60	27.6	16.4	1.48	27.8	15.8	1.42	27.9	14.7	1.28	28.0	13.8	1.18	28.1
	30	144	17.5	1.54	28.4	16.4	1.48	28.5	15.8	1.39	28.6	14.7	1.28	28.7	13.8	1.18	28.7
	35	48	17.5	1.48	30.2	16.4	1.38	30.5	15.8	1.27	30.7	14.7	1.28	31.0	13.8	1.05	31.2
	35	96	17.5	1.51	32.6	16.4	1.32	32.7	15.8	1.27	32.8	14.7	1.28	33.0	13.8	1.05	33.1
	35	144	17.5	1.39	33.4	16.4	1.32	33.5	15.8	1.27	33.6	14.7	1.28	33.7	13.8	1.05	33.7
	40	48	17.5	1.37	35.2	16.4	1.28	35.5	15.8	1.27	35.7	14.7	1.28	36.0	13.8	1.05	36.2
	40	96	17.5	1.30	37.6	16.4	1.22	37.7	15.8	1.27	37.8	14.7	1.28	38.0	13.8	1.05	38.1
	40	144	17.5	1.30	38.4	16.4	1.22	38.5	15.8	1.27	38.6	14.7	1.28	38.7	13.8	1.05	38.7
	45	48	17.5	1.30	40.2	16.4	1.18	40.5	15.8	1.14	40.6	14.7	1.01	40.9	13.8	1.05	41.2
	45	96	17.5	1.30	42.6	16.4	1.18	42.7	15.8	1.14	42.8	14.7	1.01	42.9	13.8	1.05	43.1
	45	144	17.5	1.30	43.4	16.4	1.18	43.5	15.8	1.14	43.5	14.7	1.01	43.6	13.8	1.05	43.7

12. Capacity Table

1-3. AM120FXWANR✶ ✶ ✶

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	57	33.8	2.47	19.1	37.2	2.94	20.1	40.0	3.22	20.9	42.9	3.41	21.6	44.0	3.45	21.9
	10	114	33.8	2.29	14.5	37.2	2.71	15.0	40.0	3.07	15.4	42.9	3.22	15.8	44.0	3.22	15.9
	10	171	33.8	2.25	13.0	37.2	2.70	13.3	40.0	2.90	13.6	42.9	3.16	13.9	44.0	3.24	14.0
	15	57	33.2	3.18	24.2	36.6	3.77	25.1	39.4	4.19	26.0	42.2	4.39	26.7	43.3	4.49	27.0
	15	114	33.2	2.97	19.6	36.6	3.49	20.0	39.4	3.90	20.4	42.2	4.10	20.8	43.3	4.19	21.0
	15	171	33.2	2.88	18.0	36.6	3.41	18.4	39.4	3.77	18.6	42.2	3.96	18.9	43.3	4.08	19.0
	20	57	32.8	3.79	29.2	36.1	4.44	30.2	38.9	4.96	31.0	41.6	5.20	31.8	42.7	5.31	32.1
	20	114	32.8	3.72	24.6	36.1	4.37	25.1	38.9	4.89	25.5	41.6	5.14	25.9	42.7	5.23	26.0
	20	171	32.8	3.59	23.0	36.1	4.24	23.4	38.9	4.74	23.7	41.6	4.94	23.9	42.7	5.10	24.0
	25	57	32.8	4.76	34.4	36.1	5.61	35.5	38.9	6.25	36.3	41.6	6.57	37.1	42.7	6.67	37.4
	25	114	32.8	4.45	29.7	36.1	5.23	30.2	38.9	5.82	30.6	41.6	6.13	31.0	42.7	6.23	31.2
	25	171	32.8	4.28	28.1	36.1	5.07	28.5	38.9	5.64	28.7	41.6	5.91	29.0	42.7	6.08	29.1
	30	57	32.8	5.59	39.6	36.1	6.57	40.7	38.9	7.33	41.6	41.6	7.69	42.4	42.7	7.82	42.7
	30	114	32.8	5.50	34.8	36.1	6.47	35.4	38.9	7.20	35.8	41.6	7.58	36.2	42.7	7.73	36.3
	30	171	32.8	5.32	33.2	36.1	6.26	33.6	38.9	6.98	33.8	41.6	7.33	34.1	42.7	7.52	34.2
	35	57	31.0	5.82	44.2	34.2	6.85	45.3	36.8	7.64	46.2	39.5	8.00	46.9	40.4	8.14	47.2
	35	114	31.0	5.70	39.6	34.2	6.74	40.1	36.8	7.50	40.6	39.5	7.89	41.0	40.4	8.05	41.1
	35	171	31.0	5.55	38.1	34.2	6.53	38.4	36.8	7.26	38.7	39.5	7.63	38.9	40.4	7.84	39.0
	40	57	25.9	6.06	48.0	28.5	7.13	49.0	30.7	7.95	49.7	32.9	8.34	50.4	33.8	8.51	50.6
	40	114	26.1	5.95	44.0	28.8	7.02	44.5	31.0	7.80	44.9	33.2	8.21	45.2	34.1	8.39	45.3
	40	171	26.5	5.77	42.7	29.2	6.78	43.0	31.4	7.58	43.3	33.6	7.95	43.5	34.6	8.19	43.6
	45	57	21.6	6.25	52.0	23.7	7.36	52.8	25.5	8.21	53.5	27.3	8.60	54.0	28.1	8.78	54.3
	45	114	21.8	6.15	48.5	23.9	7.24	48.9	25.7	8.06	49.2	27.5	8.50	49.5	28.3	8.67	49.6
	45	171	22.1	5.95	47.4	24.3	6.99	47.6	26.1	7.83	47.8	27.9	8.20	48.0	28.7	8.46	48.1
120	10	57	32.0	2.34	18.6	35.3	2.78	19.6	37.9	3.05	20.3	40.6	3.23	21.0	41.6	3.27	21.3
	10	114	32.0	2.19	14.3	35.3	2.60	14.8	37.9	2.90	15.1	40.6	3.04	15.5	41.6	3.05	15.6
	10	171	32.0	2.09	12.9	35.3	2.56	13.2	37.9	2.74	13.4	40.6	3.00	13.7	41.6	3.09	13.7
	15	57	31.7	3.05	23.7	34.8	3.59	24.6	37.4	4.01	25.4	40.1	4.20	26.1	41.2	4.28	26.4
	15	114	31.7	2.85	19.3	34.8	3.34	19.8	37.4	3.74	20.2	40.1	3.92	20.5	41.2	4.00	20.7
	15	171	31.7	2.75	17.9	34.8	3.26	18.2	37.4	3.60	18.4	40.1	3.78	18.7	41.2	3.90	18.8
	20	57	31.3	3.65	28.8	34.4	4.27	29.7	37.1	4.76	30.5	39.8	5.00	31.3	40.8	5.10	31.5
	20	114	31.3	3.57	24.4	34.4	4.19	24.9	37.1	4.70	25.3	39.8	4.93	25.6	40.8	5.02	25.8
	20	171	31.3	3.47	22.9	34.4	4.09	23.2	37.1	4.55	23.5	39.8	4.75	23.7	40.8	4.89	23.8
	25	57	31.3	4.58	34.0	34.4	5.38	35.0	37.1	5.97	35.8	39.8	6.29	36.6	40.8	6.40	36.9
	25	114	31.3	4.25	29.5	34.4	5.02	30.0	37.1	5.59	30.4	39.8	5.86	30.7	40.8	5.97	30.9
	25	171	31.3	4.10	28.0	34.4	4.84	28.3	37.1	5.41	28.6	39.8	5.67	28.8	40.8	5.81	28.9
	30	57	31.3	5.40	39.2	34.4	6.35	40.2	37.1	7.08	41.1	39.8	7.43	41.9	40.8	7.55	42.2
	30	114	31.3	5.31	34.6	34.4	6.23	35.1	37.1	6.95	35.5	39.8	7.31	35.9	40.8	7.45	36.1
	30	171	31.3	5.13	33.1	34.4	6.04	33.4	37.1	6.74	33.7	39.8	7.09	33.9	40.8	7.25	34.0
	35	57	30.1	5.69	44.0	33.2	6.71	45.0	35.7	7.48	45.9	38.2	7.83	46.6	39.2	7.98	46.9
	35	114	30.1	5.59	39.5	33.2	6.59	40.0	35.7	7.35	40.4	38.2	7.72	40.8	39.2	7.87	40.9
	35	171	30.1	5.42	38.0	33.2	6.40	38.3	35.7	7.10	38.6	38.2	7.46	38.8	39.2	7.67	38.9
	40	57	25.7	6.04	48.0	28.3	7.11	48.9	30.5	7.94	49.7	32.5	8.33	50.3	33.5	8.49	50.6
	40	114	25.9	5.94	44.0	28.5	7.01	44.5	30.7	7.79	44.8	32.8	8.19	45.2	33.8	8.36	45.3
	40	171	26.3	5.76	42.7	28.9	6.79	43.0	31.2	7.56	43.2	33.3	7.95	43.5	34.2	8.15	43.6
	45	57	21.8	6.35	52.1	24.2	7.49	53.0	26.0	8.35	53.6	27.8	8.75	54.2	28.5	8.93	54.4
	45	114	22.0	6.25	48.6	24.4	7.36	49.0	26.3	8.20	49.3	28.0	8.62	49.6	28.7	8.79	49.7
	45	171	22.3	6.04	47.4	24.7	7.13	47.7	26.6	7.95	47.9	28.4	8.36	48.1	29.2	8.54	48.2
110	10	57	30.2	2.19	18.2	33.2	2.63	19.0	35.8	2.88	19.7	38.3	3.05	20.4	39.2	3.08	20.6
	10	114	30.2	2.05	14.1	33.2	2.43	14.5	35.8	2.74	14.8	38.3	2.89	15.2	39.2	2.86	15.3
	10	171	30.2	1.99	12.7	33.2	2.39	13.0	35.8	2.62	13.2	38.3	2.83	13.4	39.2	2.90	13.5
	15	57	30.0	2.90	23.3	33.0	3.43	24.2	35.5	3.83	24.9	38.1	4.01	25.6	39.1	4.09	25.9
	15	114	30.0	2.71	19.1	33.0	3.18	19.5	35.5	3.57	19.9	38.1	3.74	20.3	39.1	3.81	20.4
	15	171	30.0	2.62	17.7	33.0	3.09	18.0	35.5	3.45	18.3	38.1	3.61	18.5	39.1	3.70	18.6
	20	57	29.9	3.50	28.4	32.8	4.10	29.3	35.4	4.58	30.1	37.8	4.80	30.7	38.9	4.90	31.0
	20	114	29.9	3.43	24.2	32.8	4.03	24.6	35.4	4.51	25.0	37.8	4.73	25.4	38.9	4.81	25.5
	20	171	29.9	3.33	22.8	32.8	3.92	23.1	35.4	4.37	23.3	37.8	4.58	23.6	38.9	4.67	23.7
	25	57	29.9	4.38	33.6	32.8	5.15	34.6	35.4	5.73	35.3	37.8	6.01	36.0	38.9	6.12	36.3
	25	114	29.9	4.08	29.3	32.8	4.80	29.7	35.4	5.34	30.1	37.8	5.60	30.5	38.9	5.70	30.6
	25	171	29.9	3.93	27.8	32.8	4.63	28.1	35.4	5.17	28.4	37.8	5.43	28.6	38.9	5.54	28.7
	30	57	29.9	5.20	38.8	32.8	6.12	39.8	35.4	6.83	40.6	37.8	7.16	41.3	38.9	7.29	41.6
	30	114	29.9	5.11	34.4	32.8	6.02	34.9	35.4	6.70	35.3	37.8	7.04	35.6	38.9	7.17	35.8
	30	171	29.9	4.95	32.9	32.8	5.84	33.2	35.4	6.50	33.5	37.8	6.82	33.7	38.9	6.97	33.8
	35	57	29.2	5.57	43.7	32.3	6.56	44.8	34.6	7.32	45.5	37.2	7.65	46.3	38.1	7.81	46.5
	35	114	29.2	5.47	39.4	32.3	6.45	39.9	34.6	7.19	40.3	37.2	7.53	40.6	38.1	7.69	40.8
	35	171	29.2	5.30	37.9	32.3	6.25	38.2	34.6	6.95	38.5	37.2	7.31	38.7	38.1	7.47	38.8
	40	57	25.4	6.04	47.9	28.0	7.11	48.8	30.1	7.92	49.6	32.3	8.31	50.2	33.2	8.48	50.5
	40	114	25.6	5.93	44.0	28.3	6.99	44.4	30.4	7.79	44.8	32.6	8.17	45.1	33.5	8.34	45.3
	40	171	26.0	5.75	42.7	28.7	6.78	43.0	30.8	7.55	43.2	33.0	7.93	43.4	34.0	8.11	43.5
	45	57	22.3	6.47	52.2	24.5	7.61	53.1	26.4	8.48	53.8	28.3	8.89	54.4	29.1	9.07	54.6
	45	114	22.5	6.34	48.6	24.7	7.47	49.0	26.6	8.33	49.4	28.6	8.77	49.7	29.3	8.92	49.8
	45	171	22.8	6.13	47.4	25.1	7.25	47.7	27.0	8.08	47.9	29.0	8.49	48.1	29.7	8.65	48.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	57	28.3	2.08	17.6	31.3	2.45	18.5	33.6	2.73	19.1	36.0	2.86	19.8	37.0	2.92	20.0
	10	114	28.3	1.94	13.8	31.3	2.29	14.2	33.6	2.60	14.6	36.0	2.71	14.9	37.0	2.71	15.0
	10	171	28.3	1.87	12.5	31.3	2.25	12.8	33.6	2.45	13.0	36.0	2.66	13.2	37.0	2.70	13.3
	15	57	28.3	2.78	22.8	31.3	3.27	23.7	33.6	3.64	24.4	36.0	3.82	25.0	37.0	3.89	25.3
	15	114	28.3	2.59	18.9	31.3	3.05	19.3	33.6	3.39	19.7	36.0	3.56	20.0	37.0	3.63	20.1
	15	171	28.3	2.50	17.6	31.3	2.94	17.9	33.6	3.28	18.1	36.0	3.44	18.3	37.0	3.51	18.4
	20	57	28.3	3.35	28.0	31.3	3.94	28.9	33.6	4.39	29.6	36.0	4.60	30.2	37.0	4.69	30.5
	20	114	28.3	3.29	24.0	31.3	3.87	24.4	33.6	4.31	24.8	36.0	4.53	25.1	37.0	4.61	25.2
	20	171	28.3	3.19	22.6	31.3	3.75	22.9	33.6	4.18	23.2	36.0	4.39	23.4	37.0	4.47	23.5
	25	57	28.3	4.17	33.2	31.3	4.91	34.1	33.6	5.47	34.8	36.0	5.74	35.5	37.0	5.84	35.8
	25	114	28.3	3.88	29.0	31.3	4.57	29.5	33.6	5.10	29.9	36.0	5.35	30.2	37.0	5.45	30.3
	25	171	28.3	3.75	27.7	31.3	4.42	28.0	33.6	4.93	28.2	36.0	5.17	28.5	37.0	5.26	28.5
	30	57	28.3	5.01	38.4	31.3	5.90	39.3	33.6	6.57	40.1	36.0	6.89	40.8	37.0	7.02	41.1
	30	114	28.3	4.92	34.2	31.3	5.80	34.7	33.6	6.46	35.0	36.0	6.78	35.4	37.0	6.90	35.5
	30	171	28.3	4.77	32.8	31.3	5.62	33.1	33.6	6.26	33.3	36.0	6.57	33.6	37.0	6.69	33.7
	35	57	28.3	5.44	43.5	31.3	6.41	44.5	33.6	7.14	45.2	36.0	7.49	45.9	37.0	7.63	46.2
	35	114	28.3	5.35	39.2	31.3	6.30	39.7	33.6	7.02	40.1	36.0	7.36	40.5	37.0	7.50	40.6
	35	171	28.3	5.19	37.8	31.3	6.11	38.1	33.6	6.80	38.4	36.0	7.14	38.6	37.0	7.27	38.7
	40	57	25.2	6.03	47.9	27.8	7.10	48.8	29.9	7.91	49.5	32.1	8.30	50.1	32.9	8.46	50.4
	40	114	25.4	5.93	43.9	28.0	6.98	44.4	30.1	7.78	44.8	32.3	8.16	45.1	33.2	8.31	45.2
	40	171	25.8	5.75	42.6	28.4	6.77	43.0	30.6	7.54	43.2	32.8	7.91	43.4	33.6	8.06	43.5
	45	57	22.6	6.56	52.3	25.0	7.73	53.2	26.8	8.61	53.9	28.8	9.04	54.5	29.5	9.20	54.7
	45	114	22.8	6.45	48.7	25.2	7.60	49.1	27.1	8.47	49.5	29.0	8.88	49.8	29.8	9.05	49.9
	45	171	23.1	6.25	47.5	25.5	7.36	47.8	27.5	8.20	48.0	29.4	8.61	48.2	30.2	8.77	48.3
90	10	57	25.5	1.78	16.2	28.2	2.10	16.9	30.3	2.34	17.4	32.5	2.45	17.9	33.3	2.50	18.1
	10	114	25.5	1.75	13.1	28.2	2.06	13.4	30.3	2.30	13.7	32.5	2.41	14.0	33.3	2.45	14.0
	10	171	25.5	1.70	12.1	28.2	2.00	12.3	30.3	2.23	12.5	32.5	2.33	12.6	33.3	2.38	12.7
	15	57	25.5	2.38	21.3	28.2	2.80	22.0	30.3	3.12	22.6	32.5	3.27	23.1	33.3	3.33	23.3
	15	114	25.5	2.34	18.2	28.2	2.75	18.5	30.3	3.06	18.8	32.5	3.21	19.0	33.3	3.28	19.1
	15	171	25.5	2.26	17.1	28.2	2.67	17.3	30.3	2.97	17.5	32.5	3.12	17.7	33.3	3.17	17.8
	20	57	25.5	2.86	26.4	28.2	3.37	27.1	30.3	3.76	27.7	32.5	3.94	28.2	33.3	4.02	28.5
	20	114	25.5	2.82	23.2	28.2	3.31	23.6	30.3	3.69	23.8	32.5	3.87	24.1	33.3	3.95	24.2
	20	171	25.5	2.73	22.1	28.2	3.21	22.4	30.3	3.58	22.6	32.5	3.76	22.7	33.3	3.83	22.8
	25	57	25.5	3.57	31.6	28.2	4.20	32.3	30.3	4.68	32.9	32.5	4.91	33.5	33.3	5.00	33.7
	25	114	25.5	3.51	28.3	28.2	4.13	28.7	30.3	4.60	28.9	32.5	4.83	29.2	33.3	4.92	29.3
	25	171	25.5	3.40	27.2	28.2	4.00	27.4	30.3	4.46	27.6	32.5	4.68	27.8	33.3	4.77	27.9
	30	57	25.5	4.29	36.8	28.2	5.05	37.5	30.3	5.63	38.1	32.5	5.90	38.7	33.3	6.01	38.9
	30	114	25.5	4.22	33.4	28.2	4.96	33.8	30.3	5.53	34.1	32.5	5.80	34.3	33.3	5.91	34.4
	30	171	25.5	4.09	32.2	28.2	4.81	32.5	30.3	5.36	32.7	32.5	5.62	32.9	33.3	5.73	32.9
	35	57	25.5	4.66	41.8	28.2	5.49	42.6	30.3	6.11	43.2	32.5	6.41	43.8	33.3	6.53	44.0
	35	114	25.5	4.58	38.4	28.2	5.39	38.8	30.3	6.01	39.1	32.5	6.30	39.4	33.3	6.42	39.5
	35	171	25.5	4.44	37.3	28.2	5.23	37.5	30.3	5.82	37.7	32.5	6.11	37.9	33.3	6.22	38.0
	40	57	22.7	5.16	46.3	25.1	6.08	47.1	27.0	6.77	47.6	28.9	7.11	48.2	29.6	7.24	48.3
	40	114	22.9	5.08	43.2	25.3	5.98	43.5	27.2	6.66	43.8	29.2	6.98	44.1	29.9	7.12	44.2
	40	171	23.2	4.92	42.1	25.6	5.79	42.4	27.6	6.45	42.6	29.6	6.77	42.7	30.3	6.90	42.8
	45	57	20.4	5.62	50.9	22.5	6.62	51.6	24.2	7.37	52.1	26.0	7.73	52.6	26.6	7.88	52.8
	45	114	20.6	5.52	48.0	22.7	6.50	48.3	24.4	7.25	48.6	26.2	7.60	48.8	26.8	7.75	48.9
	45	171	20.9	5.35	47.0	23.0	6.30	47.2	24.8	7.02	47.4	26.6	7.37	47.6	27.2	7.51	47.6
80	10	57	22.8	1.49	15.5	25.1	1.76	16.1	27.0	1.96	16.6	29.0	2.06	17.0	29.7	2.09	17.2
	10	114	22.8	1.47	12.7	25.1	1.73	13.0	27.0	1.93	13.3	29.0	2.02	13.5	29.7	2.06	13.6
	10	171	22.8	1.42	11.8	25.1	1.68	12.0	27.0	1.87	12.2	29.0	1.96	12.3	29.7	2.00	12.4
	15	57	22.8	1.99	20.6	25.1	2.35	21.2	27.0	2.62	21.7	29.0	2.74	22.2	29.7	2.80	22.4
	15	114	22.8	1.96	17.8	25.1	2.31	18.1	27.0	2.57	18.3	29.0	2.70	18.6	29.7	2.75	18.7
	15	171	22.8	1.90	16.9	25.1	2.24	17.1	27.0	2.49	17.2	29.0	2.61	17.4	29.7	2.66	17.4
	20	57	22.8	2.40	25.7	25.1	2.83	26.3	27.0	3.15	26.8	29.0	3.31	27.3	29.7	3.37	27.5
	20	114	22.8	2.36	22.8	25.1	2.78	23.2	27.0	3.10	23.4	29.0	3.25	23.6	29.7	3.31	23.7
	20	171	22.8	2.29	21.9	25.1	2.70	22.1	27.0	3.00	22.3	29.0	3.15	22.4	29.7	3.21	22.5
	25	57	22.8	2.99	30.8	25.1	3.53	31.5	27.0	3.93	32.0	29.0	4.12	32.5	29.7	4.20	32.7
	25	114	22.8	2.94	27.9	25.1	3.47	28.2	27.0	3.86	28.5	29.0	4.05	28.7	29.7	4.13	28.8
	25	171	22.8	2.85	26.9	25.1	3.36	27.1	27.0	3.74	27.3	29.0	3.93	27.5	29.7	4.00	27.5
	30	57	22.8	3.60	36.0	25.1	4.24	36.6	27.0	4.72	37.2	29.0	4.95	37.7	29.7	5.04	37.9
	30	114	22.8	3.54	33.0	25.1	4.16	33.3	27.0	4.64	33.6	29.0	4.87	33.8	29.7	4.96	33.9
	30	171	22.8	3.43	32.0	25.1	4.04	32.2	27.0	4.50	32.4	29.0	4.72	32.5	29.7	4.81	32.6
	35	57	22.8	3.91	41.0	25.1	4.60	41.7	27.0	5.13	42.3	29.0	5.38	42.8	29.7	5.48	43.0
	35	114	22.8	3.84	38.0	25.1	4.53	38.4	27.0	5.04	38.6	29.0	5.29	38.9	29.7	5.39	39.0
	35	171	22.8	3.73	37.0	25.1	4.39	37.2	27.0	4.89	37.4	29.0	5.13	37.6	29.7	5.22	37.6
	40	57	20.2	4.33	45.6	22.3	5.10	46.2	24.0	5.68	46.7	25.8	5.96	47.2	26.4	6.07	47.4
	40	114	20.4	4.26	42.8	22.5	5.01	43.1	24.2	5.59	43.4	26.0	5.86	43.6	26.6	5.97	43.7
	40	171	20.7	4.13	41.9	22.9	4.86	42.1	24.6	5.41	42.3	26.4	5.68	42.4	27.0	5.79	42.5
	45	57	18.2	4.72	50.2	20.1	5.55	50.8	21.6	6.19	51.3	23.1	6.49	51.7	23.7	6.61	51.9
	45	114	18.3	4.64	47.6	20.2	5.46	47.9	21.7	6.08	48.1	23.3	6.38	48.4	23.9	6.50	48.4
	45	171	18.6	4.49	46.7	20.5	5.29	46.9	22.1	5.89	47.1	23.7	6.18	47.3	24.3	6.30	47.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	57	19.8	1.24	14.8	21.9	1.46	15.3	23.6	1.63	15.7	25.3	1.71	16.1	25.9	1.74	16.3
	10	114	19.8	1.22	12.4	21.9	1.44	12.6	23.6	1.60	12.8	25.3	1.68	13.0	25.9	1.71	13.1
	10	171	19.8	1.18	11.6	21.9	1.39	11.8	23.6	1.55	11.9	25.3	1.63	12.0	25.9	1.66	12.1
	15	57	19.8	1.66	19.9	21.9	1.95	20.4	23.6	2.18	20.8	25.3	2.28	21.2	25.9	2.33	21.4
	15	114	19.8	1.63	17.4	21.9	1.92	17.7	23.6	2.14	17.9	25.3	2.24	18.1	25.9	2.29	18.2
	15	171	19.8	1.58	16.6	21.9	1.86	16.8	23.6	2.07	16.9	25.3	2.17	17.1	25.9	2.22	17.1
	20	57	19.8	2.00	24.9	21.9	2.35	25.5	23.6	2.62	25.9	25.3	2.75	26.3	25.9	2.80	26.5
	20	114	19.8	1.97	22.5	21.9	2.31	22.7	23.6	2.58	23.0	25.3	2.70	23.2	25.9	2.76	23.2
	20	171	19.8	1.90	21.6	21.9	2.24	21.8	23.6	2.50	22.0	25.3	2.62	22.1	25.9	2.67	22.2
	25	57	19.8	2.49	30.1	21.9	2.93	30.6	23.6	3.27	31.1	25.3	3.43	31.5	25.9	3.49	31.7
	25	114	19.8	2.45	27.5	21.9	2.88	27.8	23.6	3.21	28.0	25.3	3.37	28.2	25.9	3.43	28.3
	25	171	19.8	2.37	26.7	21.9	2.79	26.9	23.6	3.11	27.0	25.3	3.27	27.2	25.9	3.33	27.2
	30	57	19.8	2.99	35.2	21.9	3.52	35.8	23.6	3.93	36.2	25.3	4.12	36.6	25.9	4.20	36.8
	30	114	19.8	2.94	32.6	21.9	3.46	32.9	23.6	3.86	33.1	25.3	4.05	33.3	25.9	4.13	33.4
	30	171	19.8	2.85	31.7	21.9	3.36	31.9	23.6	3.74	32.1	25.3	3.92	32.2	25.9	4.00	32.3
	35	57	19.8	3.25	40.2	21.9	3.83	40.8	23.6	4.27	41.3	25.3	4.48	41.7	25.9	4.56	41.9
	35	114	19.8	3.20	37.6	21.9	3.76	37.9	23.6	4.19	38.1	25.3	4.40	38.4	25.9	4.48	38.4
	35	171	19.8	3.10	36.7	21.9	3.65	36.9	23.6	4.07	37.1	25.3	4.26	37.2	25.9	4.34	37.3
	40	57	17.7	3.60	44.8	19.5	4.24	45.4	20.9	4.73	45.8	22.5	4.96	46.2	23.0	5.05	46.4
	40	114	17.8	3.54	42.4	19.7	4.17	42.7	21.1	4.65	42.9	22.7	4.88	43.1	23.2	4.97	43.2
	40	171	18.1	3.43	41.6	19.9	4.04	41.8	21.4	4.50	42.0	23.0	4.73	42.1	23.6	4.81	42.1
	45	57	15.9	3.92	49.5	17.5	4.62	50.0	18.8	5.15	50.4	20.2	5.40	50.8	20.7	5.50	50.9
	45	114	16.0	3.86	47.2	17.6	4.54	47.5	19.0	5.06	47.7	20.3	5.31	47.9	20.9	5.41	48.0
	45	171	16.2	3.74	46.5	17.9	4.40	46.7	19.2	4.90	46.8	20.6	5.14	46.9	21.2	5.24	47.0
60	10	57	16.9	0.99	14.1	18.7	1.16	14.5	20.1	1.30	14.8	21.6	1.36	15.2	22.1	1.39	15.3
	10	114	16.9	0.97	12.0	18.7	1.14	12.2	20.1	1.27	12.4	21.6	1.34	12.6	22.1	1.36	12.7
	10	171	16.9	0.94	11.3	18.7	1.11	11.5	20.1	1.24	11.6	21.6	1.30	11.7	22.1	1.32	11.8
	15	57	16.9	1.32	19.1	18.7	1.55	19.6	20.1	1.73	19.9	21.6	1.82	20.3	22.1	1.85	20.4
	15	114	16.9	1.30	17.1	18.7	1.53	17.3	20.1	1.70	17.5	21.6	1.78	17.6	22.1	1.82	17.7
	15	171	16.9	1.26	16.4	18.7	1.48	16.5	20.1	1.65	16.6	21.6	1.73	16.8	22.1	1.76	16.8
	20	57	16.9	1.59	24.2	18.7	1.87	24.7	20.1	2.09	25.0	21.6	2.19	25.4	22.1	2.23	25.5
	20	114	16.9	1.56	22.1	18.7	1.84	22.3	20.1	2.05	22.5	21.6	2.15	22.7	22.1	2.19	22.7
	20	171	16.9	1.51	21.4	18.7	1.78	21.5	20.1	1.99	21.7	21.6	2.08	21.8	22.1	2.12	21.8
	25	57	16.9	1.98	29.3	18.7	2.33	29.8	20.1	2.60	30.1	21.6	2.73	30.5	22.1	2.78	30.6
	25	114	16.9	1.95	27.1	18.7	2.29	27.4	20.1	2.55	27.6	21.6	2.68	27.7	22.1	2.73	27.8
	25	171	16.9	1.89	26.4	18.7	2.22	26.6	20.1	2.48	26.7	21.6	2.60	26.8	22.1	2.65	26.9
	30	57	16.9	2.38	34.4	18.7	2.80	34.9	20.1	3.12	35.3	21.6	3.28	35.6	22.1	3.34	35.8
	30	114	16.9	2.34	32.2	18.7	2.76	32.4	20.1	3.07	32.6	21.6	3.22	32.8	22.1	3.28	32.9
	30	171	16.9	2.27	31.4	18.7	2.67	31.6	20.1	2.98	31.7	21.6	3.12	31.9	22.1	3.18	31.9
	35	57	16.9	2.59	39.4	18.7	3.05	39.9	20.1	3.39	40.3	21.6	3.56	40.7	22.1	3.63	40.8
	35	114	16.9	2.54	37.2	18.7	2.99	37.5	20.1	3.34	37.7	21.6	3.50	37.8	22.1	3.57	37.9
	35	171	16.9	2.46	36.5	18.7	2.90	36.6	20.1	3.23	36.8	21.6	3.39	36.9	22.1	3.46	36.9
	40	57	15.1	2.87	44.1	16.6	3.37	44.5	17.9	3.76	44.9	19.2	3.94	45.2	19.7	4.02	45.4
	40	114	15.2	2.82	42.0	16.8	3.32	42.3	18.0	3.70	42.5	19.3	3.88	42.6	19.8	3.95	42.7
	40	171	15.4	2.73	41.4	17.0	3.22	41.5	18.3	3.58	41.6	19.6	3.76	41.8	20.1	3.83	41.8
	45	57	13.5	3.12	48.8	14.9	3.67	49.2	16.1	4.09	49.6	17.2	4.29	49.9	17.7	4.37	50.0
	45	114	13.6	3.07	46.9	15.1	3.61	47.1	16.2	4.02	47.3	17.4	4.22	47.4	17.8	4.30	47.5
	45	171	13.8	2.97	46.3	15.3	3.50	46.4	16.4	3.90	46.5	17.6	4.09	46.6	18.1	4.17	46.7
50	10	57	14.2	0.74	13.4	15.7	0.87	13.8	16.9	0.97	14.0	18.1	1.01	14.3	18.6	1.03	14.4
	10	114	14.2	0.72	11.7	15.7	0.85	11.9	16.9	0.95	12.0	18.1	1.00	12.2	18.6	1.02	12.2
	10	171	14.2	0.70	11.1	15.7	0.83	11.2	16.9	0.92	11.3	18.1	0.97	11.4	18.6	0.98	11.5
	15	57	14.2	0.98	18.4	15.7	1.16	18.8	16.9	1.29	19.1	18.1	1.35	19.4	18.6	1.38	19.5
	15	114	14.2	0.97	16.7	15.7	1.14	16.9	16.9	1.27	17.1	18.1	1.33	17.2	18.6	1.36	17.3
	15	171	14.2	0.94	16.1	15.7	1.10	16.3	16.9	1.23	16.4	18.1	1.29	16.5	18.6	1.31	16.5
	20	57	14.2	1.19	23.5	15.7	1.40	23.9	16.9	1.56	24.2	18.1	1.63	24.5	18.6	1.66	24.6
	20	114	14.2	1.17	21.7	15.7	1.37	21.9	16.9	1.53	22.1	18.1	1.60	22.2	18.6	1.63	22.3
	20	171	14.2	1.13	21.2	15.7	1.33	21.3	16.9	1.48	21.4	18.1	1.56	21.5	18.6	1.58	21.5
	25	57	14.2	1.48	28.6	15.7	1.74	29.0	16.9	1.94	29.3	18.1	2.03	29.6	18.6	2.07	29.7
	25	114	14.2	1.45	26.8	15.7	1.71	27.0	16.9	1.91	27.1	18.1	2.00	27.3	18.6	2.04	27.3
	25	171	14.2	1.41	26.2	15.7	1.66	26.3	16.9	1.85	26.4	18.1	1.94	26.5	18.6	1.97	26.6
	30	57	14.2	1.78	33.6	15.7	2.09	34.0	16.9	2.33	34.4	18.1	2.44	34.7	18.6	2.49	34.8
	30	114	14.2	1.75	31.8	15.7	2.06	32.0	16.9	2.29	32.2	18.1	2.40	32.3	18.6	2.45	32.4
	30	171	14.2	1.69	31.2	15.7	1.99	31.3	16.9	2.22	31.4	18.1	2.33	31.5	18.6	2.37	31.6
	35	57	14.2	1.93	38.7	15.7	2.27	39.1	16.9	2.53	39.4	18.1	2.66	39.7	18.6	2.71	39.8
	35	114	14.2	1.90	36.8	15.7	2.23	37.0	16.9	2.49	37.2	18.1	2.61	37.3	18.6	2.66	37.4
	35	171	14.2	1.84	36.2	15.7	2.16	36.3	16.9	2.41	36.5	18.1	2.53	36.6	18.6	2.58	36.6
	40	57	12.7	2.14	43.4	14.0	2.52	43.7	15.0	2.80	44.0	16.1	2.94	44.3	16.5	3.00	44.4
	40	114	12.8	2.10	41.7	14.1	2.47	41.9	15.2	2.76	42.0	16.3	2.89	42.2	16.7	2.95	42.2
	40	171	13.0	2.04	41.1	14.3	2.40	41.3	15.4	2.67	41.4	16.5	2.80	41.5	16.9	2.86	41.5
	45	57	11.4	2.33	48.1	12.6	2.74	48.5	13.5	3.05	48.7	14.5	3.20	49.0	14.8	3.26	49.1
	45	114	11.5	2.29	46.6	12.7	2.69	46.7	13.6	3.00	46.9	14.6	3.15	47.0	15.0	3.21	47.1
	45	171	11.6	2.22	46.0	12.8	2.61	46.2	13.8	2.91	46.3	14.8	3.05	46.3	15.2	3.11	46.4

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	57	45.5	10.15	-3.9	44.8	9.69	-3.8	43.4	9.44	-3.5	40.8	8.75	-3.0	39.3	8.08	-2.8
	5	114	46.8	10.07	0.4	45.8	9.76	0.5	44.2	9.59	0.6	41.4	8.86	0.9	39.9	8.19	1.0
	5	171	47.2	10.43	1.9	46.1	10.08	2.0	44.5	9.77	2.1	41.8	9.05	2.3	40.3	8.51	2.3
	10	57	45.8	9.08	0.8	45.0	8.67	0.9	43.4	8.51	1.2	40.8	7.88	1.7	39.3	7.33	2.0
	10	114	46.8	9.01	5.2	45.8	8.69	5.3	44.2	8.57	5.5	41.4	7.86	5.8	39.9	7.32	5.9
	10	171	47.2	9.19	6.8	46.3	8.88	6.9	44.8	8.62	7.0	41.8	7.92	7.2	40.3	7.47	7.2
	15	57	46.0	8.12	5.5	45.2	7.70	5.6	44.6	7.74	5.7	41.4	7.02	6.4	39.6	6.60	6.7
	15	114	47.4	7.79	10.0	46.5	7.57	10.1	46.0	7.68	10.2	42.8	6.82	10.5	40.8	6.37	10.7
	15	171	47.8	8.07	11.7	47.2	7.83	11.7	46.8	7.68	11.7	43.4	6.80	11.9	41.7	6.65	12.1
	20	57	47.7	7.46	9.9	46.8	7.05	10.0	46.2	7.00	10.1	43.0	6.27	10.8	41.0	6.22	11.3
	20	114	49.2	7.18	14.7	48.4	7.07	14.8	47.5	7.23	14.9	44.4	6.47	15.2	42.5	6.25	15.4
	20	171	49.6	7.26	16.5	48.9	7.03	16.5	48.5	7.05	16.5	44.9	6.34	16.8	42.9	6.25	16.9
	25	57	49.9	7.14	14.2	48.7	6.85	14.5	48.3	6.82	14.6	45.2	6.21	15.2	43.4	5.93	15.6
	25	114	49.9	7.03	19.6	48.7	6.80	19.7	48.3	6.70	19.8	45.2	6.11	20.1	43.4	5.97	20.3
	25	171	49.9	6.88	21.4	48.7	6.54	21.5	48.3	6.56	21.5	45.2	6.15	21.7	43.4	5.59	21.8
	30	57	49.9	6.93	19.2	48.7	6.53	19.4	48.3	6.54	19.5	45.2	5.84	20.1	43.4	5.89	20.6
	30	114	49.9	6.70	24.6	48.7	6.48	24.7	48.3	6.39	24.7	45.2	5.89	25.1	43.4	5.50	25.2
	30	171	49.9	6.56	26.4	48.7	6.22	26.4	48.3	6.23	26.5	45.2	5.50	26.7	43.4	5.74	26.8
	35	57	49.9	6.60	24.1	48.7	6.31	24.3	48.3	6.29	24.4	45.2	5.62	25.1	43.4	5.26	25.4
	35	114	49.9	6.39	29.5	48.7	6.17	29.6	48.3	6.17	29.7	45.2	5.56	30.0	43.4	5.14	30.2
	35	171	49.9	6.39	31.4	48.7	6.06	31.4	48.3	6.00	31.5	45.2	5.40	31.7	43.4	5.01	31.8
	40	57	49.9	6.39	29.1	48.7	6.10	29.3	48.3	6.06	29.4	45.2	5.41	30.0	43.4	5.19	30.4
	40	114	49.9	6.17	34.5	48.7	5.94	34.6	48.3	5.85	34.7	45.2	5.22	35.0	43.4	4.99	35.2
	40	171	49.9	6.00	36.3	48.7	5.80	36.4	48.3	5.85	36.4	45.2	5.22	36.7	43.4	4.99	36.8
	45	57	49.9	6.17	34.0	48.7	5.90	34.2	48.3	5.85	34.3	45.2	5.16	34.9	43.4	5.13	35.4
	45	114	49.9	5.96	39.5	48.7	5.74	39.6	48.3	5.53	39.6	45.2	4.83	39.9	43.4	4.84	40.2
	45	171	49.9	5.62	41.3	48.7	5.52	41.4	48.3	5.70	41.4	45.2	4.97	41.6	43.4	5.00	41.8
120	5	57	43.4	10.06	-3.4	42.7	9.65	-3.3	41.2	9.37	-3.0	38.8	8.62	-2.6	37.2	7.96	-2.3
	5	114	44.4	10.21	0.7	43.5	9.84	0.8	41.7	9.59	1.0	39.3	8.80	1.2	37.6	8.06	1.3
	5	171	44.8	10.30	2.1	43.1	9.95	2.2	42.0	9.77	2.3	39.5	8.97	2.4	37.8	8.23	2.5
	10	57	43.6	9.01	1.3	42.8	8.63	1.4	41.3	8.45	1.8	38.8	7.77	2.2	37.2	7.22	2.5
	10	114	44.4	9.13	5.6	43.5	8.76	5.6	41.7	8.57	5.8	39.3	7.81	6.0	37.6	7.20	6.2
	10	171	44.8	9.08	7.0	43.3	8.76	7.1	42.2	8.62	7.2	39.5	7.85	7.3	37.8	7.23	7.4
	15	57	43.9	7.97	6.0	42.9	7.63	6.1	42.4	7.62	6.3	39.4	6.92	6.8	37.5	6.49	7.2
	15	114	44.8	8.05	10.4	44.0	7.70	10.4	43.3	7.68	10.5	40.3	6.82	10.8	38.3	6.29	11.0
	15	171	45.2	7.86	11.9	44.0	7.59	12.0	43.8	7.68	12.0	40.8	6.80	12.1	38.7	6.28	12.3
	20	57	45.0	7.16	10.5	44.2	6.78	10.6	43.4	6.70	10.8	40.5	6.07	11.4	38.4	6.04	11.9
	20	114	46.2	7.08	15.1	45.3	6.92	15.2	44.3	7.03	15.3	41.4	6.25	15.6	39.4	5.89	15.8
	20	171	46.5	7.06	16.7	45.2	6.80	16.8	45.0	6.82	16.8	41.8	6.13	17.0	39.8	5.93	17.2
	25	57	46.9	6.75	14.9	45.5	6.35	15.2	44.8	6.32	15.3	41.8	5.71	15.9	40.1	5.44	16.3
	25	114	47.0	6.65	19.9	45.5	6.31	20.1	44.8	6.29	20.2	41.8	5.60	20.4	40.1	5.47	20.6
	25	171	47.3	6.27	21.6	45.5	6.06	21.7	44.8	6.12	21.8	41.8	5.79	22.0	40.1	5.12	22.1
	30	57	47.2	6.42	19.8	45.5	6.04	20.1	44.8	5.96	20.2	41.8	5.24	20.8	40.1	5.28	21.2
	30	114	47.2	6.21	24.9	45.5	5.89	25.0	44.8	5.85	25.1	41.8	5.27	25.4	40.1	4.92	25.6
	30	171	47.2	5.91	26.5	45.5	5.69	26.7	44.8	5.68	26.7	41.8	5.06	26.9	40.1	5.12	27.1
	35	57	47.2	6.10	24.7	45.5	5.71	25.0	44.8	5.63	25.2	41.8	5.02	25.7	40.1	4.67	26.1
	35	114	47.2	5.75	29.8	45.5	5.50	30.0	44.8	5.41	30.1	41.8	4.84	30.3	40.1	4.47	30.5
	35	171	47.2	5.65	31.5	45.5	5.44	31.6	44.8	5.41	31.7	41.8	4.84	31.9	40.1	4.47	32.0
	40	57	47.2	5.89	29.6	45.5	5.44	29.9	44.8	5.30	30.1	41.8	4.70	30.7	40.1	4.49	31.0
	40	114	47.2	5.44	34.8	45.5	5.19	34.9	44.8	5.08	35.0	41.8	4.52	35.3	40.1	4.30	35.5
	40	171	47.2	5.33	36.5	45.5	5.08	36.6	44.8	5.09	36.7	41.8	4.52	36.9	40.1	4.30	37.0
	45	57	47.2	5.68	34.6	45.5	5.16	34.9	44.8	4.99	35.0	41.8	4.36	35.6	40.1	4.31	36.0
	45	114	47.2	5.11	39.7	45.5	4.86	39.9	44.8	4.76	40.0	41.8	4.14	40.3	40.1	4.12	40.5
	45	171	47.2	5.01	41.5	45.5	4.73	41.6	44.8	4.76	41.6	41.8	4.14	41.8	40.1	4.12	42.0
110	5	57	41.5	10.17	-2.9	40.6	9.69	-2.8	39.1	9.40	-2.5	36.9	8.62	-2.1	35.0	7.96	-1.8
	5	114	42.3	10.25	1.0	41.1	9.84	1.1	39.4	9.59	1.2	37.1	8.80	1.4	35.2	8.06	1.6
	5	171	42.7	10.40	2.3	41.3	9.95	2.4	39.6	9.69	2.5	37.1	8.88	2.6	35.4	8.23	2.7
	10	57	41.7	9.10	1.8	40.7	8.67	1.9	39.1	8.48	2.3	36.9	7.77	2.7	35.0	7.22	3.0
	10	114	42.3	9.16	5.8	41.1	8.76	5.9	39.4	8.57	6.1	37.1	7.81	6.3	35.2	7.20	6.5
	10	171	42.7	9.16	7.2	41.4	8.76	7.3	39.8	8.55	7.4	37.1	7.77	7.5	35.4	7.23	7.6
	15	57	41.8	8.02	6.5	40.8	7.70	6.7	40.1	7.68	6.8	37.5	6.92	7.3	35.3	6.49	7.7
	15	114	42.6	7.97	10.7	41.4	7.70	10.8	40.6	7.68	10.9	37.8	6.82	11.1	35.8	6.29	11.3
	15	171	42.9	7.90	12.1	41.6	7.59	12.1	41.0	7.52	12.2	38.1	6.66	12.4	35.9	6.28	12.5
	20	57	42.7	6.95	11.0	41.5	6.67	11.2	40.7	6.60	11.4	37.8	5.97	12.0	35.8	5.85	12.5
	20	114	43.6	6.92	15.4	42.0	6.70	15.6	41.0	6.84	15.7	38.4	6.06	15.9	36.2	5.62	16.2
	20	171	44.0	7.00	16.9	42.6	6.67	17.0	41.6	6.60	17.1	38.6	5.78	17.2	36.6	5.62	17.4
	25	57	43.9	6.30	15.6	42.5	5.96	15.8	41.4	5.96	16.1	38.6	5.30	16.6	36.7	4.96	17.0
	25	114	44.2	6.26	20.2	42.5	5.87	20.4	41.4	5.85	20.5	38.6	5.21	20.8	36.7	4.97	21.0
	25	171	44.6	6.26	21.8	42.5	5.90	21.9	41.4	5.68	22.0	38.6	5.38	22.2	36.7	4.64	22.3
	30	57	44.4	5.73	20.3	42.5	5.44	20.7	41.4	5.30	20.9	38.6	4.74	21.5	36.7	4.57	21.9
	30	114	44.4	5.63	25.1	42.5	5.33	25.3	41.4	5.19	25.4	38.6	4.76	25.7	36.7	4.32	25.9
	30	171	44.4	5.57	26.7	42.5	5.17	26.9	41.4	5.02	26.9	38.6	4.44	27.1	36.7	4.50	27.3
	35	57	44.4	5.41	25.2	42.5	5.01	25.6	41.4	4.88	25.8	38.6	4.32	26.4	36.7	3.99	26.8
	35	114	44.4	5.19	30.1	42.5	4.91	30.3	41.4	4.75	30.4	38.6	4.24	30.7	36.7	3.88	30.9
	35	171	44.4	5.00	31.7	42.5	4.74	31.8	41.4	4.61	31.9	38.6	4.24	32.1	36.7	3.88	32.3
	40	57	44.4	5.08	30.1	42.5	4.80	30.5	41.4	4.55	30.7	38.6	4.00	31.3	36.7	3.78	31.7
	40	114	44.4	4.88	35.0	42.5	4.59	35.2	41.4	4.33	35.3	38.6	3.91	35.6	36.7	3.70	35.9
	40	171	44.4	4.77	36.7	42.5	4.42	36.8	41.4	4.33	36.9	38.6	3.75	37.1	36.7	3.54	37.2
	45	57	44.4	4.75	35.0	42.5	4.59	35.5	41.4	4.22	35.6	38.6	3.68	36.2	36.7	3.59	36.7
	45	114	44.4	4.55	40.0	42.5	4.26	40.2	41.4	3.89	40.3	38.6	3.54	40.6	36.7	3.50	40.8
	45	171	44.4	4.55	41.7	42.5	4.10	41.8	41.4	4.06	41.9	38.6	3.25	42.0	36.7	3.18	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	57	39.6	10.20	-2.4	38.2	9.81	-2.1	36.8	9.43	-1.9	34.8	8.65	-1.6	32.8	7.87	-1.3
	5	114	40.2	10.39	1.3	38.5	9.98	1.4	36.9	9.62	1.6	34.8	8.83	1.7	32.8	8.02	1.9
	5	171	40.5	10.48	2.5	38.7	10.09	2.6	36.8	9.71	2.7	34.8	8.91	2.8	32.8	8.09	2.9
	10	57	39.8	9.13	2.3	38.3	8.78	2.6	36.8	8.50	2.9	34.8	7.79	3.2	32.8	7.13	3.5
	10	114	40.2	9.29	6.1	38.5	8.89	6.3	36.9	8.60	6.4	34.8	7.83	6.6	32.8	7.17	6.8
	10	171	40.5	9.24	7.4	38.8	8.89	7.5	37.1	8.57	7.6	34.8	7.79	7.7	32.8	7.11	7.8
	15	57	40.0	8.05	7.0	38.5	7.76	7.3	37.8	7.70	7.4	35.3	6.94	7.9	33.1	6.41	8.3
	15	114	40.2	8.20	11.0	38.5	7.78	11.1	37.8	7.70	11.2	35.3	6.84	11.4	33.1	6.30	11.6
	15	171	40.7	8.00	12.3	38.9	7.69	12.4	37.8	7.55	12.5	35.3	6.68	12.6	33.1	6.15	12.7
	20	57	40.3	6.88	11.6	38.7	6.58	11.9	37.8	6.51	12.1	35.3	5.88	12.6	33.1	5.56	13.1
	20	114	40.9	6.93	15.7	38.8	6.64	16.0	37.8	6.51	16.1	35.3	5.88	16.3	33.1	5.34	16.5
	20	171	41.3	6.81	17.1	39.4	6.52	17.2	37.8	6.34	17.4	35.3	5.61	17.5	33.1	5.19	17.7
	25	57	40.8	6.00	16.3	39.2	5.68	16.6	37.8	5.53	16.9	35.3	4.92	17.4	33.1	4.49	17.8
	25	114	41.4	6.01	20.6	39.2	5.56	20.8	37.8	5.43	20.9	35.3	4.82	21.2	33.1	4.49	21.4
	25	171	41.7	5.82	22.0	39.2	5.50	22.2	37.8	5.27	22.3	35.3	4.82	22.4	33.1	4.32	22.6
	30	57	41.6	5.43	20.9	39.2	4.92	21.4	37.8	4.67	21.7	35.3	4.17	22.2	33.1	3.96	22.7
	30	114	41.6	5.32	25.4	39.2	4.82	25.7	37.8	4.62	25.8	35.3	4.17	26.1	33.1	3.84	26.3
	30	171	41.6	5.16	26.9	39.2	4.82	27.1	37.8	4.52	27.2	35.3	4.00	27.4	33.1	3.84	27.5
	35	57	41.6	5.00	25.8	39.2	4.49	26.3	37.8	4.12	26.5	35.3	3.73	27.1	33.1	3.41	27.5
	35	114	41.6	4.77	30.4	39.2	4.27	30.6	37.8	4.07	30.8	35.3	3.64	31.0	33.1	3.31	31.3
	35	171	41.6	4.77	31.9	39.2	4.27	32.1	37.8	3.99	32.2	35.3	3.64	32.3	33.1	3.31	32.5
	40	57	41.6	4.67	30.7	39.2	4.17	31.2	37.8	3.69	31.4	35.3	3.31	32.0	33.1	3.10	32.5
	40	114	41.6	4.45	35.3	39.2	3.96	35.6	37.8	3.65	35.7	35.3	3.21	36.0	33.1	3.00	36.2
	40	171	41.6	4.29	36.9	39.2	3.96	37.0	37.8	3.55	37.1	35.3	3.21	37.3	33.1	3.00	37.5
	45	57	41.6	4.34	35.6	39.2	3.84	36.1	37.8	3.26	36.3	35.3	2.88	36.9	33.1	2.77	37.4
	45	114	41.6	4.12	40.3	39.2	3.64	40.5	37.8	3.21	40.7	35.3	2.77	40.9	33.1	2.68	41.2
	45	171	41.6	3.80	41.8	39.2	3.64	42.0	37.8	3.11	42.1	35.3	2.77	42.3	33.1	2.68	42.5
90	5	57	35.6	9.34	-1.6	34.4	8.82	-1.4	33.4	8.32	-1.3	30.6	7.65	-0.8	28.1	6.86	-0.4
	5	114	35.8	9.51	1.7	34.3	8.99	1.8	33.4	8.48	1.9	30.6	7.81	2.1	28.1	6.99	2.3
	5	171	36.1	9.59	2.8	34.5	9.07	2.9	33.4	8.58	2.9	30.6	7.88	3.1	28.1	7.08	3.2
	10	57	35.8	8.21	3.1	34.5	7.81	3.3	33.4	7.51	3.5	30.6	6.89	4.0	28.1	6.23	4.5
	10	114	35.7	8.24	6.5	34.4	7.85	6.7	33.4	7.54	6.8	30.6	6.87	7.0	28.1	6.24	7.2
	10	171	36.1	8.21	7.7	34.5	7.81	7.8	33.4	7.51	7.8	30.6	6.91	8.0	28.1	6.28	8.2
	15	57	36.0	7.09	7.7	34.7	6.82	8.0	33.4	6.70	8.3	31.2	6.14	8.7	29.7	5.60	8.9
	15	114	35.7	6.97	11.4	34.4	6.71	11.5	33.4	6.59	11.6	31.2	5.93	11.8	29.7	5.49	12.0
	15	171	36.1	6.82	12.5	34.5	6.57	12.7	33.4	6.41	12.7	31.2	5.93	12.9	29.7	5.49	13.0
	20	57	36.2	6.00	12.4	34.8	5.82	12.7	33.4	5.71	13.0	31.2	5.27	13.5	29.7	4.95	13.8
	20	114	36.1	6.00	16.2	34.5	5.74	16.4	34.0	5.71	16.4	31.2	5.06	16.7	29.7	4.72	16.9
	20	171	36.2	5.85	17.5	34.7	5.68	17.6	34.0	5.71	17.6	31.2	5.06	17.8	29.7	4.72	17.9
	25	57	36.9	5.24	17.0	35.2	4.96	17.4	34.0	4.92	17.7	31.2	4.39	18.2	29.7	4.07	18.6
	25	114	37.3	5.19	21.0	35.2	4.91	21.2	34.0	4.82	21.3	31.2	4.28	21.6	29.7	3.95	21.8
	25	171	37.5	4.98	22.3	35.2	4.74	22.4	34.0	4.82	22.6	31.2	4.28	22.7	29.7	3.95	22.8
	30	57	37.4	4.73	21.8	35.2	4.41	22.2	34.0	4.25	22.5	31.2	3.84	23.1	29.7	3.50	23.4
	30	114	37.4	4.63	25.9	35.2	4.31	26.1	34.0	4.15	26.2	31.2	3.74	26.5	29.7	3.50	26.7
	30	171	37.4	4.46	27.2	35.2	4.14	27.4	34.0	4.15	27.5	31.2	3.74	27.7	29.7	3.35	27.8
	35	57	37.4	4.31	26.7	35.2	3.99	27.1	34.0	3.81	27.4	31.2	3.40	28.0	29.7	3.18	28.3
	35	114	37.4	4.39	30.9	35.2	3.87	31.1	34.0	3.70	31.2	31.2	3.29	31.5	29.7	3.18	31.7
	35	171	37.4	4.03	32.2	35.2	3.95	32.4	34.0	3.52	32.4	31.2	3.29	32.7	29.7	3.18	32.8
	40	57	37.4	3.99	31.6	35.2	3.66	32.1	34.0	3.36	32.3	31.2	3.08	32.9	29.7	2.85	33.2
	40	114	37.4	3.76	35.8	35.2	3.56	36.0	34.0	3.24	36.1	31.2	2.96	36.4	29.7	2.75	36.6
	40	171	37.4	3.76	37.2	35.2	3.56	37.3	34.0	3.24	37.4	31.2	2.96	37.6	29.7	2.85	37.7
	45	57	37.4	3.66	36.5	35.2	3.34	37.0	34.0	2.90	37.2	31.2	2.75	37.8	29.7	2.52	38.2
	45	114	37.4	3.34	40.7	35.2	3.23	41.0	34.0	2.80	41.1	31.2	2.64	41.4	29.7	2.42	41.6
	45	171	37.4	3.84	42.2	35.2	3.40	42.3	34.0	2.96	42.4	31.2	2.64	42.6	29.7	2.42	42.7
80	5	57	33.9	7.67	-1.6	31.8	7.25	-1.2	30.8	6.84	-1.0	28.3	6.28	-0.5	26.0	5.64	-0.1
	5	114	33.9	7.81	1.7	31.8	7.39	1.9	30.8	6.97	2.0	28.3	6.42	2.2	26.0	5.75	2.5
	5	171	33.9	7.88	2.8	31.8	7.45	3.0	30.8	7.05	3.0	28.3	6.48	3.2	26.0	5.82	3.3
	10	57	33.9	6.75	3.2	31.8	6.42	3.6	30.8	6.17	3.8	28.3	5.67	4.3	26.0	5.12	4.7
	10	114	33.9	6.77	6.6	31.8	6.45	6.8	30.8	6.19	6.9	28.3	5.65	7.1	26.0	5.13	7.4
	10	171	33.9	6.75	7.7	31.8	6.42	7.9	30.8	6.17	7.9	28.3	5.68	8.1	26.0	5.16	8.3
	15	57	33.9	5.82	7.9	31.8	5.61	8.4	30.8	5.50	8.6	28.5	5.05	9.1	26.8	4.60	9.4
	15	114	33.9	5.73	11.5	31.8	5.52	11.7	30.8	5.41	11.8	28.5	4.88	12.0	26.8	4.51	12.2
	15	171	33.9	5.61	12.6	31.8	5.40	12.8	30.8	5.27	12.9	28.5	4.88	13.0	26.8	4.51	13.1
	20	57	33.9	4.93	12.7	31.8	4.78	13.2	30.8	4.69	13.4	28.5	4.33	13.9	26.8	4.06	14.3
	20	114	33.9	4.93	16.4	31.8	4.72	16.6	30.8	4.78	16.7	28.5	4.16	16.9	26.8	3.88	17.1
	20	171	33.9	4.81	17.6	31.8	4.67	17.7	30.8	4.78	17.8	28.5	4.16	18.0	26.8	3.88	18.1
	25	57	34.1	4.30	17.5	31.9	4.08	18.0	30.8	4.04	18.3	28.5	3.61	18.7	26.8	3.34	19.1
	25	114	34.1	4.26	21.2	31.9	4.04	21.5	30.8	3.96	21.6	28.5	3.52	21.9	26.8	3.24	22.0
	25	171	34.1	4.10	22.5	31.9	3.90	22.7	30.8	3.96	22.7	28.5	3.52	22.9	26.8	3.24	23.0
	30	57	34.1	3.89	22.4	31.9	3.63	22.9	30.8	3.49	23.1	28.5	3.15	23.6	26.8	2.88	24.0
	30	114	34.1	3.81	26.2	31.9	3.54	26.4	30.8	3.41	26.6	28.5	3.07	26.8	26.8	2.88	27.0
	30	171	34.1	3.67	27.4	31.9	3.40	27.6	30.8	3.41	27.7	28.5	3.07	27.9	26.8	2.76	28.0
	35	57	34.1	3.54	27.3	31.9	3.28	27.8	30.8	3.13	28.0	28.5	2.80	28.5	26.8	2.61	28.9
	35	114	34.1	3.61	31.2	31.9	3.18	31.4	30.8	3.04	31.5	28.5	2.71	31.8	26.8	2.61	32.0
	35	171	34.1	3.31	32.4	31.9	3.24	32.6	30.8	2.89	32.7	28.5	2.71	32.8	26.8	2.61	33.0
	40	57	34.1	3.28	32.2	31.9	3.01	32.7	30.8	2.76	32.9	28.5	2.53	33.5	26.8	2.34	33.8
	40	114	34.1	3.09	36.1	31.9	2.92	36.4	30.8	2.67	36.5	28.5	2.43	36.7	26.8	2.26	36.9
	40	171	34.1	3.09	37.4	31.9	2.92	37.6	30.8	2.67	37.6	28.5	2.43	37.8	26.8	2.34	37.9
	45	57	34.1	3.09	37.2	31.9	2.92	37.7	30.8	2.67	37.9	28.5	2.43	38.5	26.8	2.34	38.8
	45	114	34.1	3.09	41.1	31.9	2.92	41.4	30.8	2.67	41.5	28.5	2.43	41.7	26.8	2.34	41.9
	45	171	34.1	3.09	42.4	31.9	2.92	42.6	30.8	2.67	42.6	28.5	2.43	42.8	26.8	2.34	42.9

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	57	29.3	6.42	-0.8	27.4	6.06	-0.4	26.6	5.72	-0.3	24.5	5.26	0.2	22.5	4.72	0.5
	5	114	29.3	6.54	2.1	27.4	6.18	2.3	26.6	5.83	2.4	24.5	5.37	2.6	22.5	4.81	2.8
	5	171	29.3	6.60	3.1	27.4	6.24	3.2	26.6	5.90	3.3	24.5	5.42	3.4	22.5	4.87	3.5
	10	57	29.3	5.65	4.1	27.4	5.37	4.5	26.6	5.16	4.6	24.5	4.74	5.0	22.5	4.28	5.4
	10	114	29.3	5.66	7.0	27.4	5.40	7.2	26.6	5.18	7.3	24.5	4.72	7.5	22.5	4.29	7.7
	10	171	29.3	5.65	8.0	27.4	5.37	8.2	26.6	5.16	8.2	24.5	4.75	8.3	22.5	4.32	8.5
	15	57	29.3	4.87	8.9	27.4	4.69	9.3	26.6	4.61	9.5	24.6	4.22	9.9	23.2	3.85	10.1
	15	114	29.3	4.79	11.9	27.4	4.62	12.1	26.6	4.53	12.2	24.6	4.08	12.4	23.2	3.77	12.6
	15	171	29.3	4.69	12.9	27.4	4.52	13.1	26.6	4.41	13.1	24.6	4.08	13.3	23.2	3.77	13.4
	20	57	29.3	4.13	13.7	27.4	4.00	14.1	26.6	3.93	14.3	24.6	3.62	14.7	23.2	3.40	15.0
	20	114	29.3	4.13	16.8	27.4	3.95	17.0	26.6	4.00	17.2	24.6	3.48	17.3	23.2	3.25	17.5
	20	171	29.3	4.03	17.9	27.4	3.91	18.0	26.6	4.00	18.1	24.6	3.48	18.2	23.2	3.25	18.3
	25	57	29.5	3.60	18.5	27.6	3.41	18.9	26.6	3.38	19.2	24.6	3.02	19.6	23.2	2.80	19.9
	25	114	29.5	3.57	21.7	27.6	3.38	22.0	26.6	3.31	22.1	24.6	2.94	22.3	23.2	2.71	22.4
	25	171	29.5	3.43	22.8	27.6	3.26	23.0	26.6	3.31	23.0	24.6	2.94	23.2	23.2	2.71	23.3
	30	57	29.5	3.25	23.4	27.6	3.04	23.8	26.6	2.92	24.0	24.6	2.64	24.5	23.2	2.41	24.8
	30	114	29.5	3.19	26.7	27.6	2.96	26.9	26.6	2.85	27.0	24.6	2.57	27.2	23.2	2.41	27.4
	30	171	29.5	3.07	27.8	27.6	2.84	27.9	26.6	2.85	28.0	24.6	2.57	28.2	23.2	2.31	28.3
	35	57	29.5	2.96	28.3	27.6	2.74	28.8	26.6	2.62	29.0	24.6	2.34	29.4	23.2	2.19	29.7
	35	114	29.5	3.02	31.7	27.6	2.66	31.9	26.6	2.54	32.0	24.6	2.26	32.2	23.2	2.19	32.4
	35	171	29.5	2.77	32.8	27.6	2.71	32.9	26.6	2.42	33.0	24.6	2.26	33.1	23.2	2.19	33.2
	40	57	29.5	2.74	33.3	27.6	2.52	33.7	26.6	2.31	33.9	24.6	2.12	34.3	23.2	1.96	34.7
	40	114	29.5	2.59	36.6	27.6	2.45	36.8	26.6	2.23	36.9	24.6	2.04	37.2	23.2	1.89	37.3
	40	171	29.5	2.59	37.7	27.6	2.45	37.9	26.6	2.23	38.0	24.6	2.04	38.1	23.2	1.96	38.2
	45	57	29.5	2.59	38.2	27.6	2.45	38.7	26.6	2.23	38.9	24.6	2.04	39.3	23.2	1.96	39.7
	45	114	29.5	2.59	41.6	27.6	2.45	41.8	26.6	2.23	41.9	24.6	2.04	42.2	23.2	1.96	42.3
	45	171	29.5	2.59	42.7	27.6	2.45	42.9	26.6	2.23	43.0	24.6	2.04	43.1	23.2	1.96	43.2
60	5	57	25.1	5.19	0.0	23.5	4.90	0.3	22.8	4.63	0.4	20.9	4.25	0.8	19.2	3.81	1.1
	5	114	25.1	5.28	2.5	23.5	4.99	2.7	22.8	4.72	2.7	20.9	4.34	2.9	19.2	3.89	3.1
	5	171	25.1	5.33	3.3	23.5	5.04	3.5	22.8	4.77	3.5	20.9	4.38	3.6	19.2	3.93	3.7
	10	57	25.1	4.56	4.8	23.5	4.34	5.2	22.8	4.17	5.3	20.9	3.83	5.7	19.2	3.46	6.0
	10	114	25.1	4.58	7.4	23.5	4.36	7.6	22.8	4.19	7.7	20.9	3.82	7.8	19.2	3.47	8.0
	10	171	25.1	4.56	8.3	23.5	4.34	8.4	22.8	4.17	8.4	20.9	3.84	8.6	19.2	3.49	8.7
	15	57	25.1	3.94	9.7	23.5	3.79	10.0	22.8	3.72	10.2	21.0	3.41	10.6	19.8	3.11	10.8
	15	114	25.1	3.87	12.3	23.5	3.73	12.5	22.8	3.66	12.6	21.0	3.30	12.8	19.8	3.05	12.9
	15	171	25.1	3.79	13.2	23.5	3.65	13.3	22.8	3.56	13.4	21.0	3.30	13.5	19.8	3.05	13.6
	20	57	25.1	3.33	14.5	23.5	3.23	14.9	22.8	3.17	15.1	21.0	2.93	15.4	19.8	2.75	15.7
	20	114	25.1	3.33	17.3	23.5	3.19	17.4	22.8	3.24	17.5	21.0	2.81	17.7	19.8	2.62	17.8
	20	171	25.1	3.25	18.2	23.5	3.16	18.3	22.8	3.24	18.4	21.0	2.81	18.5	19.8	2.62	18.6
	25	57	25.2	2.91	19.4	23.6	2.76	19.8	22.8	2.73	20.0	21.0	2.44	20.3	19.8	2.26	20.6
	25	114	25.2	2.88	22.2	23.6	2.73	22.4	22.8	2.68	22.5	21.0	2.38	22.7	19.8	2.19	22.8
	25	171	25.2	2.77	23.1	23.6	2.63	23.2	22.8	2.68	23.3	21.0	2.38	23.4	19.8	2.19	23.5
	30	57	25.2	2.63	24.3	23.6	2.45	24.7	22.8	2.36	24.9	21.0	2.13	25.2	19.8	1.95	25.5
	30	114	25.2	2.57	27.2	23.6	2.39	27.3	22.8	2.31	27.4	21.0	2.08	27.6	19.8	1.95	27.8
	30	171	25.2	2.48	28.1	23.6	2.30	28.2	22.8	2.31	28.3	21.0	2.08	28.4	19.8	1.86	28.5
	35	57	25.2	2.39	29.3	23.6	2.22	29.6	22.8	2.12	29.8	21.0	1.89	30.2	19.8	1.77	30.5
	35	114	25.2	2.44	32.1	23.6	2.15	32.3	22.8	2.05	32.4	21.0	1.83	32.6	19.8	1.77	32.7
	35	171	25.2	2.24	33.1	23.6	2.19	33.2	22.8	1.96	33.3	21.0	1.83	33.4	19.8	1.77	33.5
	40	57	25.2	2.22	34.2	23.6	2.04	34.6	22.8	1.87	34.7	21.0	1.71	35.1	19.8	1.58	35.4
	40	114	25.2	2.09	37.1	23.6	1.98	37.3	22.8	1.80	37.4	21.0	1.64	37.6	19.8	1.53	37.7
	40	171	25.2	2.09	38.1	23.6	1.98	38.2	22.8	1.80	38.2	21.0	1.64	38.4	19.8	1.58	38.5
	45	57	25.2	2.09	39.2	23.6	1.98	39.6	22.8	1.80	39.7	21.0	1.64	40.1	19.8	1.58	40.4
	45	114	25.2	2.09	42.1	23.6	1.98	42.3	22.8	1.80	42.4	21.0	1.64	42.6	19.8	1.58	42.7
	45	171	25.2	2.09	43.1	23.6	1.98	43.2	22.8	1.80	43.2	21.0	1.64	43.4	19.8	1.58	43.5
50	5	57	20.9	4.12	0.8	19.5	3.89	1.1	19.0	3.68	1.2	17.4	3.38	1.5	16.0	3.03	1.7
	5	114	20.9	4.20	2.9	19.5	3.97	3.0	19.0	3.75	3.1	17.4	3.45	3.2	16.0	3.09	3.4
	5	171	20.9	4.24	3.6	19.5	4.01	3.7	19.0	3.79	3.7	17.4	3.48	3.8	16.0	3.13	3.9
	10	57	20.9	3.63	5.7	19.5	3.45	6.0	19.0	3.32	6.1	17.4	3.04	6.4	16.0	2.75	6.7
	10	114	20.9	3.64	7.8	19.5	3.47	8.0	19.0	3.33	8.0	17.4	3.03	8.2	16.0	2.76	8.3
	10	171	20.9	3.63	8.6	19.5	3.45	8.7	19.0	3.32	8.7	17.4	3.05	8.8	16.0	2.77	8.9
	15	57	20.9	3.13	10.5	19.5	3.01	10.8	19.0	2.96	11.0	17.5	2.71	11.3	16.5	2.47	11.5
	15	114	20.9	3.08	12.8	19.5	2.96	12.9	19.0	2.91	13.0	17.5	2.62	13.1	16.5	2.42	13.2
	15	171	20.9	3.01	13.5	19.5	2.90	13.6	19.0	2.83	13.6	17.5	2.62	13.8	16.5	2.42	13.8
	20	57	20.9	2.65	15.4	19.5	2.57	15.7	19.0	2.52	15.9	17.5	2.33	16.2	16.5	2.18	16.4
	20	114	20.9	2.65	17.7	19.5	2.54	17.9	19.0	2.57	17.9	17.5	2.23	18.1	16.5	2.09	18.2
	20	171	20.9	2.59	18.5	19.5	2.51	18.6	19.0	2.57	18.6	17.5	2.23	18.7	16.5	2.09	18.8
	25	57	21.0	2.31	20.3	19.6	2.19	20.6	19.0	2.17	20.8	17.5	1.94	21.1	16.5	1.80	21.3
	25	114	21.0	2.29	22.7	19.6	2.17	22.8	19.0	2.13	22.9	17.5	1.89	23.0	16.5	1.74	23.1
	25	171	21.0	2.20	23.4	19.6	2.09	23.5	19.0	2.13	23.6	17.5	1.89	23.7	16.5	1.74	23.8
	30	57	21.0	2.09	25.3	19.6	1.95	25.6	19.0	1.88	25.7	17.5	1.69	26.0	16.5	1.55	26.2
	30	114	21.0	2.05	27.6	19.6	1.90	27.8	19.0	1.83	27.8	17.5	1.65	28.0	16.5	1.55	28.1
	30	171	21.0	1.97	28.4	19.6	1.83	28.5	19.0	1.83	28.6	17.5	1.65	28.7	16.5	1.48	28.7
	35	57	21.0	1.90	30.2	19.6	1.76	30.5	19.0	1.68	30.7	17.5	1.50	31.0	16.5	1.41	31.2
	35	114	21.0	1.94	32.6	19.6	1.71	32.7	19.0	1.63	32.8	17.5	1.45	33.0	16.5	1.41	33.1
	35	171	21.0	1.78	33.4	19.6	1.74	33.5	19.0	1.56	33.5	17.5	1.45	33.7	16.5	1.41	33.7
	40	57	21.0	1.76	35.2	19.6	1.62	35.5	19.0	1.48	35.6	17.5	1.36	35.9	16.5	1.26	36.2
	40	114	21.0	1.66	37.6	19.6	1.57	37.7	19.0	1.43	37.8	17.5	1.31	38.0	16.5	1.21	38.1
	40	171	21.0	1.66	38.4	19.6	1.57	38.5	19.0	1.43	38.5	17.5	1.31	38.6	16.5	1.26	38.7
	45	57	21.0	1.66	40.1	19.6	1.57	40.5	19.0	1.43	40.6	17.5	1.31	40.9	16.5	1.26	41.2
	45	114	21.0	1.66	42.6	19.6	1.57	42.7	19.0	1.43	42.8	17.5	1.31	43.0	16.5	1.26	43.1
	45	171	21.0	1.66	43.4	19.6	1.57	43.5	19.0	1.43	43.5	17.5	1.31	43.6	16.5	1.26	43.7

12. Capacity Table

1-4. AM160FXWANR✶✶✶

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	80	45.1	2.93	18.6	49.6	3.49	19.5	53.3	3.82	20.2	57.2	4.06	21.0	58.7	4.11	21.3
	10	160	45.1	2.72	14.3	49.6	3.23	14.7	53.3	3.65	15.1	57.2	3.83	15.5	58.7	3.83	15.6
	10	240	45.1	2.68	12.9	49.6	3.21	13.2	53.3	3.45	13.4	57.2	3.76	13.6	58.7	3.85	13.7
	15	80	44.3	3.78	23.6	48.8	4.48	24.5	52.5	4.98	25.3	56.2	5.22	26.0	57.8	5.33	26.3
	15	160	44.3	3.53	19.3	48.8	4.15	19.7	52.5	4.64	20.1	56.2	4.88	20.5	57.8	4.99	20.6
	15	240	44.3	3.43	17.9	48.8	4.05	18.2	52.5	4.48	18.4	56.2	4.70	18.6	57.8	4.85	18.7
	20	80	43.7	4.51	28.6	48.1	5.28	29.6	51.8	5.89	30.3	55.4	6.18	31.0	57.0	6.31	31.3
	20	160	43.7	4.42	24.3	48.1	5.20	24.8	51.8	5.81	25.2	55.4	6.11	25.5	57.0	6.22	25.7
	20	240	43.7	4.27	22.9	48.1	5.04	23.2	51.8	5.64	23.4	55.4	5.88	23.7	57.0	6.06	23.8
	25	80	43.7	5.66	33.8	48.1	6.67	34.8	51.8	7.43	35.6	55.4	7.81	36.3	57.0	7.93	36.6
	25	160	43.7	5.29	29.4	48.1	6.22	29.9	51.8	6.92	30.3	55.4	7.29	30.6	57.0	7.41	30.8
	25	240	43.7	5.09	27.9	48.1	6.02	28.2	51.8	6.70	28.5	55.4	7.03	28.7	57.0	7.23	28.8
	30	80	43.7	6.64	39.0	48.1	7.81	40.0	51.8	8.72	40.9	55.4	9.14	41.6	57.0	9.30	41.9
	30	160	43.7	6.53	34.5	48.1	7.69	35.0	51.8	8.56	35.4	55.4	9.01	35.8	57.0	9.19	35.9
	30	240	43.7	6.32	33.0	48.1	7.44	33.3	51.8	8.30	33.6	55.4	8.71	33.8	57.0	8.94	33.9
	35	80	41.3	6.91	43.6	45.6	8.14	44.6	49.0	9.08	45.4	52.6	9.51	46.1	53.8	9.68	46.4
	35	160	41.3	6.78	39.3	45.6	8.01	39.8	49.0	8.92	40.2	52.6	9.38	40.6	53.8	9.57	40.7
	35	240	41.3	6.60	37.9	45.6	7.76	38.2	49.0	8.63	38.4	52.6	9.07	38.7	53.8	9.32	38.8
	40	80	34.5	7.20	47.5	38.0	8.47	48.3	41.0	9.45	49.0	43.9	9.91	49.6	45.1	10.11	49.9
	40	160	34.8	7.08	43.8	38.4	8.35	44.2	41.3	9.28	44.5	44.2	9.76	44.8	45.5	9.97	45.0
	40	240	35.3	6.86	42.5	38.9	8.06	42.8	41.9	9.01	43.0	44.9	9.45	43.2	46.1	9.73	43.3
	45	80	28.8	7.43	51.5	31.6	8.76	52.2	34.0	9.77	52.8	36.4	10.23	53.4	37.4	10.44	53.6
	45	160	29.1	7.31	48.3	31.9	8.61	48.6	34.3	9.58	48.9	36.7	10.11	49.2	37.7	10.30	49.3
	45	240	29.5	7.07	47.2	32.3	8.31	47.4	34.8	9.30	47.6	37.3	9.75	47.8	38.3	10.06	47.9
120	10	80	42.7	2.79	18.2	47.0	3.31	19.0	50.6	3.63	19.7	54.1	3.84	20.4	55.5	3.88	20.6
	10	160	42.7	2.60	14.1	47.0	3.09	14.5	50.6	3.45	14.8	54.1	3.62	15.2	55.5	3.63	15.3
	10	240	42.7	2.48	12.7	47.0	3.04	13.0	50.6	3.26	13.2	54.1	3.56	13.4	55.5	3.68	13.5
	15	80	42.2	3.62	23.2	46.4	4.27	24.1	49.9	4.77	24.8	53.5	5.00	25.5	54.9	5.08	25.7
	15	160	42.2	3.38	19.1	46.4	3.98	19.5	49.9	4.45	19.9	53.5	4.66	20.2	54.9	4.75	20.3
	15	240	42.2	3.27	17.7	46.4	3.87	18.0	49.9	4.28	18.2	53.5	4.50	18.5	54.9	4.64	18.6
	20	80	41.8	4.34	28.3	45.9	5.08	29.1	49.4	5.66	29.9	53.0	5.95	30.6	54.4	6.07	30.8
	20	160	41.8	4.24	24.1	45.9	4.98	24.6	49.4	5.58	24.9	53.0	5.86	25.3	54.4	5.97	25.4
	20	240	41.8	4.12	22.7	45.9	4.86	23.0	49.4	5.41	23.3	53.0	5.65	23.5	54.4	5.82	23.6
	25	80	41.8	5.44	33.5	45.9	6.40	34.4	49.4	7.10	35.1	53.0	7.48	35.8	54.4	7.61	36.1
	25	160	41.8	5.06	29.2	45.9	5.97	29.6	49.4	6.64	30.0	53.0	6.97	30.4	54.4	7.10	30.5
	25	240	41.8	4.87	27.8	45.9	5.76	28.1	49.4	6.43	28.3	53.0	6.74	28.6	54.4	6.91	28.7
	30	80	41.8	6.41	38.6	45.9	7.55	39.6	49.4	8.42	40.4	53.0	8.83	41.1	54.4	8.98	41.4
	30	160	41.8	6.31	34.3	45.9	7.41	34.8	49.4	8.27	35.2	53.0	8.69	35.5	54.4	8.86	35.7
	30	240	41.8	6.10	32.9	45.9	7.18	33.2	49.4	8.02	33.4	53.0	8.43	33.7	54.4	8.62	33.8
	35	80	40.1	6.77	43.4	44.2	7.98	44.4	47.7	8.89	45.1	50.9	9.31	45.8	52.3	9.49	46.1
	35	160	40.1	6.64	39.2	44.2	7.84	39.7	47.7	8.73	40.1	50.9	9.17	40.4	52.3	9.35	40.5
	35	240	40.1	6.45	37.8	44.2	7.61	38.1	47.7	8.44	38.4	50.9	8.87	38.6	52.3	9.12	38.7
	40	80	34.2	7.18	47.4	37.7	8.46	48.3	40.6	9.44	49.0	43.4	9.90	49.5	44.6	10.10	49.8
	40	160	34.5	7.06	43.7	38.0	8.33	44.2	41.0	9.26	44.5	43.7	9.73	44.8	45.0	9.94	44.9
	40	240	35.0	6.85	42.5	38.6	8.07	42.8	41.6	8.99	43.0	44.4	9.45	43.2	45.6	9.69	43.3
	45	80	29.1	7.55	51.6	32.2	8.90	52.4	34.7	9.92	53.0	37.0	10.40	53.5	38.0	10.61	53.7
	45	160	29.4	7.43	48.3	32.5	8.74	48.7	35.0	9.75	49.0	37.3	10.24	49.3	38.3	10.46	49.4
	45	240	29.8	7.18	47.2	33.0	8.48	47.5	35.5	9.45	47.7	37.9	9.93	47.9	38.9	10.15	47.9
110	10	80	40.3	2.61	17.7	44.3	3.12	18.5	47.7	3.42	19.2	51.1	3.63	19.8	52.3	3.66	20.0
	10	160	40.3	2.44	13.8	44.3	2.89	14.2	47.7	3.25	14.6	51.1	3.44	14.9	52.3	3.40	15.0
	10	240	40.3	2.36	12.5	44.3	2.84	12.8	47.7	3.11	13.0	51.1	3.36	13.3	52.3	3.44	13.3
	15	80	40.0	3.45	22.8	43.9	4.08	23.6	47.4	4.55	24.3	50.8	4.76	25.0	52.2	4.86	25.2
	15	160	40.0	3.22	18.9	43.9	3.78	19.3	47.4	4.24	19.6	50.8	4.45	19.9	52.2	4.53	20.1
	15	240	40.0	3.12	17.6	43.9	3.68	17.8	47.4	4.10	18.1	50.8	4.30	18.3	52.2	4.40	18.4
	20	80	39.8	4.16	27.9	43.8	4.87	28.7	47.2	5.45	29.4	50.5	5.70	30.1	51.8	5.82	30.3
	20	160	39.8	4.08	23.9	43.8	4.79	24.4	47.2	5.36	24.7	50.5	5.62	25.0	51.8	5.72	25.2
	20	240	39.8	3.96	22.6	43.8	4.66	22.9	47.2	5.20	23.1	50.5	5.44	23.3	51.8	5.56	23.4
	25	80	39.8	5.21	33.1	43.8	6.12	33.9	47.2	6.81	34.7	50.5	7.14	35.3	51.8	7.27	35.6
	25	160	39.8	4.85	29.0	43.8	5.70	29.4	47.2	6.35	29.8	50.5	6.66	30.1	51.8	6.78	30.3
	25	240	39.8	4.67	27.7	43.8	5.51	27.9	47.2	6.15	28.2	50.5	6.45	28.4	51.8	6.58	28.5
	30	80	39.8	6.19	38.2	43.8	7.27	39.1	47.2	8.11	39.9	50.5	8.51	40.6	51.8	8.67	40.8
	30	160	39.8	6.08	34.1	43.8	7.15	34.6	47.2	7.97	34.9	50.5	8.37	35.3	51.8	8.52	35.4
	30	240	39.8	5.89	32.7	43.8	6.94	33.0	47.2	7.73	33.3	50.5	8.11	33.5	51.8	8.29	33.6
	35	80	38.9	6.62	43.2	43.0	7.80	44.1	46.1	8.70	44.8	49.6	9.10	45.5	50.8	9.28	45.8
	35	160	38.9	6.50	39.1	43.0	7.66	39.5	46.1	8.55	39.9	49.6	8.96	40.2	50.8	9.14	40.4
	35	240	38.9	6.31	37.7	43.0	7.43	38.0	46.1	8.26	38.2	49.6	8.69	38.5	50.8	8.88	38.6
	40	80	33.9	7.18	47.4	37.4	8.46	48.2	40.2	9.42	48.9	43.1	9.88	49.5	44.3	10.08	49.7
	40	160	34.2	7.05	43.7	37.7	8.31	44.1	40.5	9.26	44.5	43.4	9.72	44.8	44.7	9.91	44.9
	40	240	34.7	6.83	42.5	38.2	8.06	42.8	41.1	8.98	43.0	44.0	9.43	43.2	45.3	9.64	43.3
	45	80	29.7	7.69	51.7	32.7	9.05	52.5	35.2	10.08	53.1	37.8	10.57	53.7	38.8	10.78	53.9
	45	160	30.0	7.54	48.4	33.0	8.88	48.7	35.5	9.90	49.1	38.1	10.42	49.3	39.1	10.61	49.5
	45	240	30.4	7.29	47.2	33.4	8.62	47.5	36.0	9.60	47.7	38.6	10.10	47.9	39.6	10.29	48.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	80	37.8	2.47	17.2	41.7	2.91	18.0	44.8	3.24	18.6	48.1	3.40	19.2	49.3	3.47	19.5
	10	160	37.8	2.30	13.6	41.7	2.73	14.0	44.8	3.09	14.3	48.1	3.23	14.6	49.3	3.23	14.7
	10	240	37.8	2.23	12.4	41.7	2.67	12.6	44.8	2.92	12.8	48.1	3.16	13.1	49.3	3.21	13.1
	15	80	37.8	3.30	22.4	41.7	3.89	23.2	44.8	4.33	23.8	48.1	4.54	24.4	49.3	4.63	24.7
	15	160	37.8	3.08	18.7	41.7	3.62	19.1	44.8	4.03	19.4	48.1	4.23	19.7	49.3	4.31	19.8
	15	240	37.8	2.97	17.4	41.7	3.50	17.7	44.8	3.90	17.9	48.1	4.09	18.1	49.3	4.17	18.2
	20	80	37.8	3.98	27.5	41.7	4.68	28.3	44.8	5.22	29.0	48.1	5.47	29.6	49.3	5.58	29.8
	20	160	37.8	3.91	23.7	41.7	4.60	24.1	44.8	5.13	24.5	48.1	5.38	24.8	49.3	5.48	24.9
	20	240	37.8	3.79	22.5	41.7	4.46	22.8	44.8	4.97	23.0	48.1	5.22	23.2	49.3	5.31	23.3
	25	80	37.8	4.96	32.7	41.7	5.84	33.5	44.8	6.50	34.2	48.1	6.82	34.8	49.3	6.95	35.1
	25	160	37.8	4.62	28.8	41.7	5.44	29.2	44.8	6.06	29.6	48.1	6.36	29.9	49.3	6.47	30.0
	25	240	37.8	4.46	27.5	41.7	5.26	27.8	44.8	5.86	28.0	48.1	6.14	28.2	49.3	6.26	28.3
	30	80	37.8	5.96	37.8	41.7	7.01	38.7	44.8	7.81	39.4	48.1	8.20	40.1	49.3	8.35	40.3
	30	160	37.8	5.85	33.9	41.7	6.89	34.4	44.8	7.68	34.7	48.1	8.06	35.0	49.3	8.21	35.2
	30	240	37.8	5.67	32.6	41.7	6.68	32.9	44.8	7.44	33.1	48.1	7.81	33.3	49.3	7.96	33.4
	35	80	37.8	6.47	42.9	41.7	7.62	43.8	44.8	8.49	44.5	48.1	8.91	45.2	49.3	9.07	45.5
	35	160	37.8	6.36	39.0	41.7	7.49	39.4	44.8	8.35	39.8	48.1	8.76	40.1	49.3	8.92	40.2
	35	240	37.8	6.17	37.6	41.7	7.26	37.9	44.8	8.09	38.2	48.1	8.49	38.4	49.3	8.64	38.5
	40	80	33.6	7.17	47.3	37.1	8.44	48.2	39.8	9.41	48.8	42.7	9.87	49.4	43.8	10.05	49.7
	40	160	33.9	7.05	43.7	37.4	8.30	44.1	40.2	9.25	44.4	43.1	9.70	44.7	44.2	9.88	44.8
	40	240	34.4	6.83	42.5	37.9	8.04	42.7	40.8	8.96	43.0	43.7	9.40	43.2	44.8	9.58	43.2
	45	80	30.2	7.80	51.8	33.3	9.19	52.6	35.8	10.24	53.2	38.4	10.74	53.8	39.4	10.94	54.0
	45	160	30.4	7.67	48.4	33.6	9.03	48.8	36.1	10.06	49.1	38.7	10.56	49.4	39.7	10.76	49.5
	45	240	30.8	7.44	47.3	34.1	8.76	47.6	36.6	9.75	47.8	39.3	10.23	48.0	40.3	10.43	48.0
90	10	80	34.1	2.11	16.5	37.6	2.49	17.2	40.4	2.77	17.7	43.3	2.91	18.3	44.4	2.96	18.5
	10	160	34.1	2.08	13.2	37.6	2.44	13.6	40.4	2.72	13.9	43.3	2.86	14.1	44.4	2.91	14.2
	10	240	34.1	2.01	12.2	37.6	2.37	12.4	40.4	2.64	12.6	43.3	2.77	12.8	44.4	2.82	12.8
	15	80	34.1	2.82	21.6	37.6	3.32	22.3	40.4	3.70	22.9	43.3	3.88	23.5	44.4	3.95	23.7
	15	160	34.1	2.77	18.3	37.6	3.26	18.7	40.4	3.64	18.9	43.3	3.81	19.2	44.4	3.89	19.3
	15	240	34.1	2.69	17.2	37.6	3.16	17.4	40.4	3.52	17.6	43.3	3.70	17.8	44.4	3.77	17.9
	20	80	34.1	3.40	26.7	37.6	4.00	27.5	40.4	4.46	28.0	43.3	4.68	28.6	44.4	4.76	28.8
	20	160	34.1	3.34	23.3	37.6	3.93	23.7	40.4	4.38	24.0	43.3	4.60	24.3	44.4	4.68	24.4
	20	240	34.1	3.24	22.2	37.6	3.81	22.5	40.4	4.25	22.7	43.3	4.45	22.9	44.4	4.54	22.9
	25	80	34.1	4.23	31.9	37.6	4.98	32.6	40.4	5.55	33.2	43.3	5.83	33.8	44.4	5.94	34.0
	25	160	34.1	4.16	28.4	37.6	4.90	28.8	40.4	5.46	29.1	43.3	5.73	29.4	44.4	5.83	29.5
	25	240	34.1	4.03	27.3	37.6	4.75	27.5	40.4	5.29	27.7	43.3	5.55	27.9	44.4	5.65	28.0
	30	80	34.1	5.09	37.0	37.6	5.99	37.8	40.4	6.67	38.4	43.3	7.00	39.0	44.4	7.13	39.2
	30	160	34.1	5.00	33.5	37.6	5.89	33.9	40.4	6.56	34.2	43.3	6.88	34.5	44.4	7.01	34.6
	30	240	34.1	4.85	32.3	37.6	5.71	32.6	40.4	6.36	32.8	43.3	6.67	33.0	44.4	6.80	33.1
	35	80	34.1	5.53	42.1	37.6	6.51	42.9	40.4	7.25	43.5	43.3	7.61	44.1	44.4	7.75	44.4
	35	160	34.1	5.43	38.5	37.6	6.40	38.9	40.4	7.13	39.3	43.3	7.48	39.6	44.4	7.62	39.7
	35	240	34.1	5.27	37.3	37.6	6.20	37.6	40.4	6.91	37.8	43.3	7.25	38.0	44.4	7.38	38.1
	40	80	30.3	6.12	46.5	33.4	7.21	47.3	35.9	8.03	47.9	38.5	8.43	48.4	39.5	8.59	48.6
	40	160	30.5	6.02	43.3	33.7	7.09	43.7	36.2	7.90	44.0	38.9	8.29	44.2	39.9	8.44	44.3
	40	240	31.0	5.84	42.2	34.2	6.87	42.5	36.8	7.65	42.7	39.4	8.03	42.8	40.4	8.18	42.9
	45	80	27.2	6.67	51.1	30.0	7.85	51.8	32.3	8.75	52.3	34.6	9.18	52.8	35.5	9.35	53.0
	45	160	27.4	6.55	48.0	30.3	7.72	48.4	32.5	8.60	48.7	34.9	9.02	48.9	35.8	9.19	49.0
	45	240	27.8	6.35	47.0	30.7	7.48	47.3	33.0	8.33	47.5	35.4	8.74	47.6	36.3	8.90	47.7
80	10	80	30.2	1.73	15.7	33.3	2.04	16.3	35.8	2.27	16.8	38.4	2.38	17.3	39.4	2.43	17.5
	10	160	30.2	1.70	12.9	33.3	2.00	13.2	35.8	2.23	13.4	38.4	2.34	13.7	39.4	2.39	13.7
	10	240	30.2	1.65	11.9	33.3	1.94	12.1	35.8	2.16	12.3	38.4	2.27	12.4	39.4	2.31	12.5
	15	80	30.2	2.31	20.8	33.3	2.72	21.5	35.8	3.03	22.0	38.4	3.18	22.5	39.4	3.24	22.6
	15	160	30.2	2.27	17.9	33.3	2.68	18.2	35.8	2.98	18.5	38.4	3.13	18.7	39.4	3.19	18.8
	15	240	30.2	2.20	16.9	33.3	2.59	17.1	35.8	2.89	17.3	38.4	3.03	17.5	39.4	3.09	17.5
	20	80	30.2	2.79	25.9	33.3	3.28	26.6	35.8	3.66	27.1	38.4	3.83	27.6	39.4	3.91	27.8
	20	160	30.2	2.74	22.9	33.3	3.23	23.3	35.8	3.59	23.5	38.4	3.77	23.8	39.4	3.84	23.9
	20	240	30.2	2.65	22.0	33.3	3.13	22.2	35.8	3.48	22.3	38.4	3.65	22.5	39.4	3.72	22.6
	25	80	30.2	3.47	31.0	33.3	4.09	31.7	35.8	4.55	32.2	38.4	4.78	32.7	39.4	4.87	32.9
	25	160	30.2	3.41	28.0	33.3	4.02	28.3	35.8	4.48	28.6	38.4	4.70	28.9	39.4	4.78	29.0
	25	240	30.2	3.31	27.0	33.3	3.89	27.2	35.8	4.34	27.4	38.4	4.55	27.6	39.4	4.64	27.6
	30	80	30.2	4.17	36.2	33.3	4.91	36.8	35.8	5.47	37.4	38.4	5.74	37.9	39.4	5.85	38.1
	30	160	30.2	4.10	33.1	33.3	4.83	33.4	35.8	5.38	33.7	38.4	5.64	33.9	39.4	5.75	34.0
	30	240	30.2	3.97	32.0	33.3	4.68	32.3	35.8	5.21	32.4	38.4	5.47	32.6	39.4	5.57	32.7
	35	80	30.2	4.53	41.2	33.3	5.34	41.9	35.8	5.95	42.5	38.4	6.24	43.0	39.4	6.36	43.2
	35	160	30.2	4.46	38.1	33.3	5.25	38.5	35.8	5.85	38.7	38.4	6.13	39.0	39.4	6.25	39.1
	35	240	30.2	4.32	37.1	33.3	5.09	37.3	35.8	5.67	37.5	38.4	5.94	37.6	39.4	6.06	37.7
	40	80	26.8	5.02	45.7	29.6	5.91	46.4	31.8	6.59	46.9	34.2	6.91	47.4	35.0	7.04	47.5
	40	160	27.1	4.94	42.9	29.9	5.81	43.2	32.1	6.48	43.5	34.4	6.80	43.7	35.3	6.92	43.8
	40	240	27.5	4.79	41.9	30.3	5.63	42.1	32.6	6.28	42.3	34.9	6.59	42.5	35.8	6.71	42.5
	45	80	24.1	5.47	50.3	26.6	6.44	50.9	28.6	7.17	51.4	30.7	7.52	51.8	31.5	7.67	52.0
	45	160	24.3	5.37	47.7	26.8	6.33	48.0	28.8	7.05	48.2	30.9	7.40	48.4	31.7	7.54	48.5
	45	240	24.7	5.21	46.8	27.2	6.13	47.0	29.2	6.83	47.2	31.4	7.17	47.3	32.2	7.30	47.4

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	80	26.5	1.47	15.0	29.2	1.73	15.5	31.4	1.93	16.0	33.7	2.02	16.4	34.5	2.06	16.6
	10	160	26.5	1.44	12.5	29.2	1.70	12.8	31.4	1.89	13.0	33.7	1.99	13.2	34.5	2.02	13.3
	10	240	26.5	1.40	11.7	29.2	1.65	11.8	31.4	1.83	12.0	33.7	1.92	12.1	34.5	1.96	12.2
	15	80	26.5	1.96	20.1	29.2	2.31	20.6	31.4	2.57	21.1	33.7	2.70	21.5	34.5	2.75	21.7
	15	160	26.5	1.93	17.5	29.2	2.27	17.8	31.4	2.53	18.0	33.7	2.65	18.3	34.5	2.70	18.3
	15	240	26.5	1.87	16.7	29.2	2.20	16.9	31.4	2.45	17.0	33.7	2.57	17.2	34.5	2.62	17.2
	20	80	26.5	2.36	25.2	29.2	2.78	25.7	31.4	3.10	26.2	33.7	3.25	26.6	34.5	3.31	26.8
	20	160	26.5	2.32	22.6	29.2	2.73	22.9	31.4	3.05	23.1	33.7	3.20	23.3	34.5	3.25	23.4
	20	240	26.5	2.25	21.7	29.2	2.65	21.9	31.4	2.95	22.1	33.7	3.10	22.2	34.5	3.15	22.3
	25	80	26.5	2.94	30.3	29.2	3.46	30.9	31.4	3.86	31.3	33.7	4.05	31.8	34.5	4.13	31.9
	25	160	26.5	2.89	27.6	29.2	3.41	27.9	31.4	3.79	28.2	33.7	3.98	28.4	34.5	4.06	28.5
	25	240	26.5	2.80	26.7	29.2	3.30	26.9	31.4	3.68	27.1	33.7	3.86	27.2	34.5	3.93	27.3
	30	80	26.5	3.54	35.4	29.2	4.16	36.0	31.4	4.64	36.5	33.7	4.87	36.9	34.5	4.96	37.1
	30	160	26.5	3.48	32.7	29.2	4.09	33.0	31.4	4.56	33.2	33.7	4.78	33.4	34.5	4.87	33.5
	30	240	26.5	3.37	31.8	29.2	3.97	32.0	31.4	4.42	32.1	33.7	4.64	32.3	34.5	4.72	32.3
	35	80	26.5	3.84	40.4	29.2	4.52	41.0	31.4	5.04	41.5	33.7	5.29	42.0	34.5	5.39	42.2
	35	160	26.5	3.78	37.7	29.2	4.45	38.0	31.4	4.96	38.3	33.7	5.20	38.5	34.5	5.30	38.6
	35	240	26.5	3.66	36.8	29.2	4.31	37.0	31.4	4.80	37.2	33.7	5.04	37.3	34.5	5.13	37.4
	40	80	23.5	4.26	45.0	26.0	5.01	45.6	27.9	5.59	46.0	30.0	5.86	46.4	30.7	5.97	46.6
	40	160	23.7	4.18	42.5	26.2	4.93	42.8	28.2	5.49	43.0	30.2	5.76	43.2	31.0	5.87	43.3
	40	240	24.1	4.06	41.7	26.6	4.78	41.9	28.6	5.32	42.0	30.6	5.58	42.2	31.4	5.69	42.2
	45	80	21.1	4.63	49.6	23.3	5.46	50.2	25.1	6.08	50.6	26.9	6.38	51.0	27.6	6.50	51.1
	45	160	21.3	4.56	47.3	23.5	5.36	47.6	25.3	5.98	47.8	27.1	6.27	48.0	27.8	6.39	48.1
	45	240	21.6	4.41	46.6	23.9	5.20	46.7	25.7	5.79	46.9	27.5	6.08	47.0	28.2	6.19	47.1
60	10	80	22.6	1.15	14.3	24.9	1.35	14.7	26.8	1.50	15.1	28.7	1.58	15.4	29.5	1.61	15.6
	10	160	22.6	1.13	12.1	24.9	1.33	12.4	26.8	1.48	12.5	28.7	1.55	12.7	29.5	1.58	12.8
	10	240	22.6	1.09	11.4	24.9	1.29	11.6	26.8	1.43	11.7	28.7	1.50	11.8	29.5	1.53	11.9
	15	80	22.6	1.53	19.3	24.9	1.80	19.8	26.8	2.01	20.2	28.7	2.11	20.5	29.5	2.14	20.7
	15	160	22.6	1.50	17.2	24.9	1.77	17.4	26.8	1.97	17.6	28.7	2.07	17.8	29.5	2.11	17.8
	15	240	22.6	1.46	16.4	24.9	1.72	16.6	26.8	1.91	16.7	28.7	2.01	16.8	29.5	2.04	16.9
	20	80	22.6	1.84	24.4	24.9	2.17	24.9	26.8	2.42	25.2	28.7	2.54	25.6	29.5	2.59	25.7
	20	160	22.6	1.81	22.2	24.9	2.13	22.4	26.8	2.38	22.6	28.7	2.49	22.8	29.5	2.54	22.9
	20	240	22.6	1.76	21.5	24.9	2.07	21.6	26.8	2.30	21.7	28.7	2.42	21.9	29.5	2.46	21.9
	25	80	22.6	2.30	29.5	24.9	2.70	30.0	26.8	3.01	30.3	28.7	3.16	30.7	29.5	3.22	30.9
	25	160	22.6	2.26	27.2	24.9	2.66	27.5	26.8	2.96	27.7	28.7	3.11	27.9	29.5	3.17	27.9
	25	240	22.6	2.19	26.5	24.9	2.58	26.6	26.8	2.87	26.8	28.7	3.01	26.9	29.5	3.07	26.9
	30	80	22.6	2.76	34.5	24.9	3.25	35.0	26.8	3.62	35.5	28.7	3.80	35.8	29.5	3.87	36.0
	30	160	22.6	2.71	32.3	24.9	3.20	32.5	26.8	3.56	32.7	28.7	3.73	32.9	29.5	3.80	33.0
	30	240	22.6	2.63	31.5	24.9	3.10	31.7	26.8	3.45	31.8	28.7	3.62	31.9	29.5	3.69	32.0
	35	80	22.6	3.00	39.6	24.9	3.53	40.1	26.8	3.94	40.5	28.7	4.13	40.9	29.5	4.21	41.0
	35	160	22.6	2.95	37.3	24.9	3.47	37.5	26.8	3.87	37.7	28.7	4.06	37.9	29.5	4.13	38.0
	35	240	22.6	2.86	36.5	24.9	3.37	36.7	26.8	3.75	36.8	28.7	3.93	37.0	29.5	4.01	37.0
	40	80	20.1	3.32	44.2	22.2	3.91	44.7	23.8	4.36	45.1	25.6	4.57	45.4	26.2	4.66	45.5
	40	160	20.3	3.27	42.1	22.4	3.85	42.3	24.0	4.29	42.5	25.8	4.50	42.7	26.4	4.58	42.8
	40	240	20.6	3.17	41.4	22.7	3.73	41.6	24.4	4.15	41.7	26.2	4.36	41.8	26.8	4.44	41.9
	45	80	18.0	3.62	48.9	19.9	4.26	49.3	21.4	4.75	49.7	23.0	4.98	50.0	23.5	5.07	50.1
	45	160	18.2	3.56	46.9	20.1	4.19	47.2	21.6	4.67	47.4	23.2	4.89	47.5	23.7	4.99	47.6
	45	240	18.5	3.45	46.3	20.4	4.06	46.5	21.9	4.52	46.6	23.5	4.74	46.7	24.1	4.83	46.7
50	10	80	18.9	0.86	13.5	20.8	1.01	13.9	22.4	1.12	14.2	24.0	1.18	14.5	24.6	1.20	14.6
	10	160	18.9	0.84	11.8	20.8	0.99	12.0	22.4	1.10	12.1	24.0	1.16	12.3	24.6	1.18	12.3
	10	240	18.9	0.82	11.2	20.8	0.96	11.3	22.4	1.07	11.4	24.0	1.12	11.5	24.6	1.14	11.5
	15	80	18.9	1.14	18.6	20.8	1.35	19.0	22.4	1.50	19.3	24.0	1.57	19.6	24.6	1.60	19.7
	15	160	18.9	1.12	16.8	20.8	1.32	17.0	22.4	1.47	17.1	24.0	1.55	17.3	24.6	1.58	17.3
	15	240	18.9	1.09	16.2	20.8	1.28	16.3	22.4	1.43	16.4	24.0	1.50	16.5	24.6	1.53	16.6
	20	80	18.9	1.38	23.6	20.8	1.62	24.0	22.4	1.81	24.3	24.0	1.90	24.6	24.6	1.93	24.8
	20	160	18.9	1.35	21.8	20.8	1.59	22.0	22.4	1.78	22.2	24.0	1.86	22.3	24.6	1.90	22.4
	20	240	18.9	1.31	21.2	20.8	1.55	21.3	22.4	1.72	21.4	24.0	1.81	21.5	24.6	1.84	21.6
	25	80	18.9	1.72	28.7	20.8	2.02	29.1	22.4	2.25	29.4	24.0	2.36	29.7	24.6	2.41	29.8
	25	160	18.9	1.69	26.8	20.8	1.99	27.0	22.4	2.21	27.2	24.0	2.32	27.4	24.6	2.37	27.4
	25	240	18.9	1.64	26.2	20.8	1.93	26.4	22.4	2.15	26.5	24.0	2.25	26.6	24.6	2.29	26.6
	30	80	18.9	2.06	33.8	20.8	2.43	34.2	22.4	2.71	34.5	24.0	2.84	34.8	24.6	2.89	34.9
	30	160	18.9	2.03	31.9	20.8	2.39	32.1	22.4	2.66	32.2	24.0	2.79	32.4	24.6	2.84	32.5
	30	240	18.9	1.97	31.2	20.8	2.31	31.4	22.4	2.58	31.5	24.0	2.70	31.6	24.6	2.76	31.6
	35	80	18.9	2.24	38.8	20.8	2.64	39.2	22.4	2.94	39.5	24.0	3.08	39.9	24.6	3.14	40.0
	35	160	18.9	2.20	36.9	20.8	2.59	37.1	22.4	2.89	37.3	24.0	3.03	37.4	24.6	3.09	37.5
	35	240	18.9	2.14	36.3	20.8	2.51	36.4	22.4	2.80	36.5	24.0	2.94	36.6	24.6	2.99	36.7
	40	80	16.8	2.48	43.5	18.5	2.92	43.8	19.9	3.26	44.2	21.4	3.42	44.4	21.9	3.48	44.6
	40	160	16.9	2.44	41.7	18.7	2.87	41.9	20.1	3.20	42.1	21.6	3.36	42.2	22.1	3.42	42.3
	40	240	17.2	2.37	41.2	19.0	2.79	41.3	20.4	3.10	41.4	21.9	3.26	41.5	22.4	3.32	41.5
	45	80	15.1	2.70	48.2	16.6	3.18	48.6	17.9	3.55	48.8	19.2	3.72	49.1	19.7	3.79	49.2
	45	160	15.2	2.66	46.6	16.8	3.13	46.8	18.0	3.49	46.9	19.4	3.66	47.1	19.8	3.73	47.1
	45	240	15.4	2.58	46.1	17.0	3.03	46.2	18.3	3.38	46.3	19.6	3.54	46.4	20.1	3.61	46.4

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	80	60.7	12.84	-3.6	59.7	12.26	-3.5	57.8	11.95	-3.2	54.3	11.07	-2.8	52.4	10.23	-2.6
	5	160	62.5	12.75	0.5	61.0	12.35	0.6	59.0	12.14	0.8	55.2	11.22	1.1	53.1	10.37	1.2
	5	240	62.9	13.20	2.0	61.5	12.76	2.1	59.3	12.36	2.2	55.7	11.46	2.4	53.7	10.77	2.4
	10	80	61.0	11.49	1.1	59.9	10.97	1.2	57.9	10.77	1.6	54.3	9.98	2.1	52.4	9.28	2.3
	10	160	62.5	11.40	5.4	61.0	11.00	5.5	59.0	10.85	5.7	55.2	9.95	5.9	53.1	9.27	6.1
	10	240	62.9	11.63	6.9	61.7	11.24	7.0	59.7	10.91	7.1	55.7	10.02	7.3	53.7	9.46	7.4
	15	80	61.4	10.28	5.8	60.3	9.74	6.0	59.4	9.80	6.1	55.2	8.89	6.7	52.9	8.36	7.0
	15	160	63.3	9.86	10.2	62.0	9.58	10.3	61.3	9.72	10.4	57.0	8.64	10.7	54.4	8.07	10.9
	15	240	63.7	10.22	11.8	62.9	9.91	11.8	62.4	9.72	11.9	57.9	8.61	12.1	55.6	8.42	12.2
	20	80	63.6	9.45	10.3	62.5	8.93	10.4	61.6	8.86	10.5	57.3	7.94	11.2	54.7	7.88	11.6
	20	160	65.6	9.09	14.9	64.5	8.94	15.0	63.4	8.90	15.1	59.1	8.19	15.4	56.6	7.91	15.6
	20	240	66.1	9.19	16.6	65.1	8.90	16.6	64.7	8.93	16.7	59.9	8.02	16.9	57.2	7.91	17.1
	25	80	66.6	9.04	14.7	65.0	8.67	14.9	64.4	8.64	15.0	60.2	7.86	15.6	57.8	7.51	16.0
	25	160	66.6	8.90	19.8	65.0	8.61	20.0	64.4	8.48	20.0	60.2	7.73	20.3	57.8	7.55	20.5
	25	240	66.6	8.71	21.5	65.0	8.28	21.6	64.4	8.30	21.7	60.2	7.79	21.9	57.8	7.08	22.0
	30	80	66.6	8.77	19.6	65.0	8.26	19.8	64.4	8.28	20.0	60.2	7.39	20.5	57.8	7.46	21.0
	30	160	66.6	8.48	24.8	65.0	8.20	24.9	64.4	8.08	25.0	60.2	7.45	25.3	57.8	6.97	25.4
	30	240	66.6	8.30	26.5	65.0	7.87	26.6	64.4	7.88	26.6	60.2	6.96	26.8	57.8	7.26	27.0
	35	80	66.6	8.36	24.6	65.0	7.99	24.8	64.4	7.96	24.9	60.2	7.12	25.5	57.8	6.66	25.8
	35	160	66.6	8.08	29.8	65.0	7.81	29.9	64.4	7.81	29.9	60.2	7.04	30.2	57.8	6.51	30.4
	35	240	66.6	8.08	31.5	65.0	7.67	31.6	64.4	7.59	31.6	60.2	6.84	31.8	57.8	6.34	31.9
	40	80	66.6	8.08	29.5	65.0	7.72	29.7	64.4	7.67	29.8	60.2	6.85	30.4	57.8	6.57	30.8
	40	160	66.6	7.81	34.7	65.0	7.52	34.9	64.4	7.41	34.9	60.2	6.60	35.2	57.8	6.32	35.4
	40	240	66.6	7.59	36.5	65.0	7.34	36.6	64.4	7.41	36.6	60.2	6.60	36.8	57.8	6.32	36.9
	45	80	66.6	7.81	34.5	65.0	7.46	34.7	64.4	7.41	34.8	60.2	6.54	35.4	57.8	6.50	35.8
	45	160	66.6	7.55	39.7	65.0	7.27	39.8	64.4	6.99	39.9	60.2	6.11	40.2	57.8	6.12	40.4
	45	240	66.6	7.11	41.4	65.0	6.99	41.5	64.4	7.21	41.6	60.2	6.30	41.8	57.8	6.33	41.9
120	5	80	57.8	12.74	-3.1	56.9	12.21	-3.0	55.0	11.86	-2.7	51.8	10.91	-2.3	49.6	10.08	-2.1
	5	160	59.3	12.92	0.8	58.0	12.46	0.9	55.7	12.14	1.1	52.4	11.14	1.3	50.2	10.20	1.4
	5	240	59.7	13.04	2.2	57.5	12.59	2.3	56.0	12.36	2.4	52.7	11.36	2.5	50.5	10.42	2.6
	10	80	58.2	11.40	1.6	57.0	10.93	1.7	55.0	10.70	2.1	51.8	9.83	2.5	49.6	9.14	2.8
	10	160	59.3	11.55	5.7	58.0	11.09	5.8	55.7	10.85	6.0	52.4	9.88	6.2	50.2	9.12	6.3
	10	240	59.7	11.49	7.1	57.7	11.09	7.2	56.3	10.91	7.3	52.7	9.94	7.4	50.5	9.15	7.5
	15	80	58.5	10.09	6.3	57.2	9.65	6.5	56.5	9.65	6.6	52.6	8.76	7.1	50.0	8.22	7.5
	15	160	59.7	10.18	10.6	58.6	9.74	10.6	57.8	9.72	10.7	53.8	8.64	11.0	51.1	7.96	11.1
	15	240	60.2	9.95	12.0	58.6	9.61	12.1	58.4	9.72	12.1	54.4	8.61	12.3	51.7	7.95	12.4
	20	80	60.0	9.06	10.9	58.9	8.58	11.0	57.9	8.48	11.1	53.9	7.68	11.7	51.2	7.65	12.2
	20	160	61.6	8.96	15.3	60.4	8.76	15.4	59.0	8.70	15.5	55.2	7.92	15.8	52.6	7.46	16.0
	20	240	61.9	8.94	16.8	60.2	8.61	16.9	60.0	8.63	16.9	55.8	7.75	17.1	53.0	7.50	17.3
	25	80	62.6	8.54	15.3	60.7	8.03	15.6	59.7	8.00	15.7	55.8	7.23	16.3	53.5	6.89	16.7
	25	160	62.7	8.42	20.1	60.7	7.99	20.3	59.7	7.96	20.4	55.8	7.09	20.6	53.5	6.93	20.8
	25	240	63.0	7.94	21.7	60.7	7.67	21.8	59.7	7.74	21.9	55.8	7.33	22.1	53.5	6.48	22.2
	30	80	62.9	8.13	20.2	60.7	7.64	20.5	59.7	7.54	20.7	55.8	6.63	21.2	53.5	6.68	21.6
	30	160	62.9	7.86	25.1	60.7	7.46	25.2	59.7	7.40	25.3	55.8	6.67	25.6	53.5	6.22	25.8
	30	240	62.9	7.48	26.7	60.7	7.20	26.8	59.7	7.19	26.9	55.8	6.41	27.1	53.5	6.49	27.2
	35	80	62.9	7.73	25.1	60.7	7.23	25.4	59.7	7.13	25.6	55.8	6.36	26.1	53.5	5.91	26.5
	35	160	62.9	7.28	30.0	60.7	6.96	30.2	59.7	6.85	30.3	55.8	6.13	30.6	53.5	5.66	30.7
	35	240	62.9	7.16	31.7	60.7	6.88	31.8	59.7	6.85	31.8	55.8	6.13	32.0	53.5	5.66	32.1
	40	80	62.9	7.45	30.1	60.7	6.88	30.4	59.7	6.71	30.5	55.8	5.95	31.1	53.5	5.69	31.4
	40	160	62.9	6.88	35.0	60.7	6.57	35.2	59.7	6.44	35.2	55.8	5.72	35.5	53.5	5.44	35.7
	40	240	62.9	6.74	36.6	60.7	6.43	36.8	59.7	6.44	36.8	55.8	5.72	37.0	53.5	5.44	37.1
	45	80	62.9	7.19	35.0	60.7	6.54	35.3	59.7	6.31	35.4	55.8	5.52	36.0	53.5	5.46	36.4
	45	160	62.9	6.47	39.9	60.7	6.16	40.1	59.7	6.02	40.2	55.8	5.24	40.5	53.5	5.21	40.7
	45	240	62.9	6.34	41.6	60.7	5.99	41.7	59.7	6.02	41.8	55.8	5.24	42.0	53.5	5.21	42.1
110	5	80	55.3	12.88	-2.6	54.1	12.26	-2.5	52.1	11.90	-2.2	49.2	10.91	-1.9	46.7	10.08	-1.6
	5	160	56.4	12.97	1.1	54.7	12.46	1.2	52.6	12.14	1.4	49.5	11.14	1.6	47.0	10.20	1.7
	5	240	56.9	13.16	2.4	55.0	12.59	2.5	52.8	12.26	2.6	49.5	11.24	2.7	47.1	10.42	2.8
	10	80	55.6	11.52	2.1	54.3	10.97	2.2	52.1	10.73	2.6	49.2	9.83	2.9	46.7	9.14	3.3
	10	160	56.4	11.60	6.0	54.7	11.09	6.1	52.6	10.85	6.3	49.5	9.88	6.4	47.0	9.12	6.6
	10	240	56.9	11.60	7.3	55.2	11.09	7.4	53.1	10.82	7.5	49.5	9.83	7.6	47.1	9.15	7.7
	15	80	55.8	10.15	6.8	54.4	9.74	7.0	53.5	9.72	7.2	50.0	8.76	7.6	47.1	8.22	8.0
	15	160	56.7	10.09	10.8	55.2	9.74	10.9	54.1	9.72	11.0	50.4	8.64	11.3	47.7	7.96	11.4
	15	240	57.2	10.00	12.2	55.5	9.61	12.3	54.6	9.52	12.3	50.7	8.43	12.5	47.9	7.95	12.6
	20	80	56.9	8.80	11.4	55.4	8.44	11.6	54.3	8.35	11.8	50.4	7.55	12.3	47.7	7.40	12.8
	20	160	58.2	8.76	15.6	56.0	8.49	15.7	54.7	8.40	15.9	51.2	7.67	16.1	48.3	7.11	16.3
	20	240	58.6	8.86	17.0	56.8	8.44	17.1	55.4	8.35	17.2	51.5	7.32	17.4	48.8	7.11	17.5
	25	80	58.5	7.97	16.0	56.6	7.55	16.2	55.2	7.54	16.5	51.5	6.71	17.0	48.9	6.28	17.4
	25	160	59.0	7.92	20.4	56.6	7.43	20.6	55.2	7.40	20.7	51.5	6.59	21.0	48.9	6.29	21.2
	25	240	59.4	7.92	21.9	56.6	7.47	22.1	55.2	7.19	22.1	51.5	6.81	22.3	48.9	5.88	22.4
	30	80	59.3	7.25	20.7	56.6	6.88	21.1	55.2	6.71	21.3	51.5	6.01	21.8	48.9	5.78	22.3
	30	160	59.3	7.12	25.3	56.6	6.75	25.5	55.2	6.57	25.6	51.5	6.02	25.9	48.9	5.47	26.1
	30	240	59.3	7.05	26.9	56.6	6.55	27.0	55.2	6.36	27.1	51.5	5.61	27.3	48.9	5.70	27.4
	35	80	59.3	6.85	25.6	56.6	6.34	26.0	55.2	6.17	26.2	51.5	5.47	26.8	48.9	5.05	27.1
	35	160	59.3	6.57	30.3	56.6	6.22	30.5	55.2	6.02	30.6	51.5	5.37	30.9	48.9	4.92	31.1
	35	240	59.3	6.32	31.8	56.6	6.00	32.0	55.2	5.83	32.0	51.5	5.37	32.2	48.9	4.92	32.4
	40	80	59.3	6.43	30.5	56.6	6.08	30.9	55.2	5.76	31.1	51.5	5.07	31.7	48.9	4.79	32.1
	40	160	59.3	6.17	35.2	56.6	5.81	35.4	55.2	5.48	35.5	51.5	4.95	35.8	48.9	4.68	36.0
	40	240	59.3	6.03	36.8	56.6	5.59	37.0	55.2	5.48	37.0	51.5	4.75	37.2	48.9	4.49	37.3
	45	80	59.3	6.02	35.5	56.6	5.81	35.9	55.2	5.34	36.1	51.5	4.65	36.6	48.9	4.54	37.0
	45	160	59.3	5.76	40.2	56.6	5.40	40.4	55.2	4.93	40.5	51.5	4.48	40.8	48.9	4.44	41.0
	45	240	59.3	5.76	41.8	56.6	5.18	41.9	55.2	5.14	42.0	51.5	4.12	42.2	48.9	4.02	42.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	80	52.8	12.92	-2.1	50.9	12.42	-1.9	49.1	11.93	-1.7	46.3	10.94	-1.3	43.7	9.96	-1.1
	5	160	53.6	13.15	1.4	51.4	12.63	1.5	49.3	12.17	1.7	46.3	11.17	1.8	43.7	10.15	2.0
	5	240	54.1	13.27	2.6	51.5	12.77	2.7	49.1	12.30	2.8	46.3	11.28	2.9	43.7	10.24	3.0
	10	80	53.1	11.56	2.6	51.1	11.11	2.8	49.1	10.76	3.1	46.3	9.86	3.5	43.7	9.03	3.8
	10	160	53.6	11.76	6.3	51.4	11.25	6.4	49.3	10.88	6.6	46.3	9.91	6.7	43.7	9.07	6.9
	10	240	54.1	11.70	7.5	51.7	11.25	7.6	49.4	10.85	7.7	46.3	9.86	7.8	43.7	9.00	7.9
	15	80	53.3	10.18	7.3	51.4	9.82	7.6	50.4	9.75	7.7	47.0	8.79	8.1	44.1	8.12	8.5
	15	160	53.6	10.38	11.1	51.4	9.85	11.3	50.4	9.75	11.4	47.0	8.66	11.6	44.1	7.98	11.8
	15	240	54.2	10.12	12.4	51.9	9.73	12.5	50.4	9.55	12.6	47.0	8.45	12.7	44.1	7.78	12.8
	20	80	53.7	8.70	11.9	51.5	8.33	12.3	50.4	8.24	12.4	47.0	7.45	12.9	44.1	7.04	13.4
	20	160	54.5	8.78	15.9	51.7	8.40	16.1	50.4	8.24	16.2	47.0	7.45	16.5	44.1	6.76	16.7
	20	240	55.0	8.63	17.2	52.5	8.25	17.4	50.4	8.02	17.5	47.0	7.10	17.6	44.1	6.57	17.8
	25	80	54.4	7.59	16.6	52.3	7.19	16.9	50.4	7.01	17.2	47.0	6.23	17.7	44.1	5.68	18.1
	25	160	55.2	7.61	20.7	52.3	7.04	20.9	50.4	6.87	21.1	47.0	6.09	21.3	44.1	5.68	21.6
	25	240	55.6	7.36	22.1	52.3	6.96	22.3	50.4	6.67	22.4	47.0	6.09	22.6	44.1	5.47	22.7
	30	80	55.5	6.87	21.3	52.3	6.23	21.7	50.4	5.91	22.0	47.0	5.27	22.5	44.1	5.02	23.0
	30	160	55.5	6.73	25.6	52.3	6.09	25.9	50.4	5.85	26.0	47.0	5.27	26.3	44.1	4.86	26.5
	30	240	55.5	6.53	27.1	52.3	6.09	27.2	50.4	5.72	27.3	47.0	5.06	27.5	44.1	4.86	27.7
	35	80	55.5	6.33	26.2	52.3	5.68	26.6	50.4	5.22	26.9	47.0	4.73	27.4	44.1	4.32	27.9
	35	160	55.5	6.03	30.6	52.3	5.41	30.8	50.4	5.15	30.9	47.0	4.61	31.2	44.1	4.19	31.4
	35	240	55.5	6.03	32.0	52.3	5.41	32.2	50.4	5.05	32.3	47.0	4.61	32.5	44.1	4.19	32.6
	40	80	55.5	5.91	31.1	52.3	5.27	31.6	50.4	4.68	31.8	47.0	4.19	32.3	44.1	3.92	32.8
	40	160	55.5	5.63	35.5	52.3	5.02	35.8	50.4	4.61	35.9	47.0	4.06	36.1	44.1	3.80	36.4
	40	240	55.5	5.43	37.0	52.3	5.02	37.2	50.4	4.49	37.3	47.0	4.06	37.4	44.1	3.80	37.6
	45	80	55.5	5.49	36.0	52.3	4.86	36.5	50.4	4.12	36.7	47.0	3.65	37.2	44.1	3.51	37.7
	45	160	55.5	5.22	40.5	52.3	4.61	40.7	50.4	4.06	40.8	47.0	3.51	41.1	44.1	3.39	41.4
	45	240	55.5	4.81	42.0	52.3	4.61	42.2	50.4	3.93	42.2	47.0	3.51	42.4	44.1	3.39	42.6
90	5	80	47.2	11.47	-1.4	45.7	10.83	-1.2	44.2	10.23	-1.1	40.6	9.40	-0.6	37.3	8.43	-0.2
	5	160	47.5	11.68	1.8	45.5	11.04	1.9	44.2	10.43	2.0	40.6	9.59	2.2	37.3	8.59	2.4
	5	240	47.8	11.78	2.8	45.8	11.15	2.9	44.2	10.55	3.0	40.6	9.68	3.2	37.3	8.70	3.3
	10	80	47.5	10.09	3.3	45.8	9.60	3.5	44.2	9.23	3.7	40.6	8.47	4.2	37.3	7.65	4.7
	10	160	47.4	10.12	6.7	45.7	9.64	6.8	44.2	9.26	6.9	40.6	8.44	7.1	37.3	7.67	7.3
	10	240	47.8	10.09	7.7	45.8	9.60	7.8	44.2	9.23	7.9	40.6	8.49	8.1	37.3	7.71	8.2
	15	80	47.7	8.71	8.0	46.0	8.38	8.3	44.2	8.23	8.5	41.4	7.55	8.9	39.4	6.88	9.2
	15	160	47.4	8.56	11.5	45.7	8.25	11.6	44.2	8.09	11.8	41.4	7.29	11.9	39.4	6.74	12.1
	15	240	47.8	8.38	12.6	45.8	8.07	12.7	44.2	7.88	12.8	41.4	7.29	13.0	39.4	6.74	13.0
	20	80	48.0	7.37	12.7	46.1	7.15	13.0	44.2	7.02	13.3	41.4	6.47	13.7	39.4	6.08	14.0
	20	160	47.8	7.37	16.4	45.8	7.06	16.5	45.1	7.02	16.6	41.4	6.21	16.8	39.4	5.80	17.0
	20	240	48.0	7.19	17.6	46.0	6.98	17.7	45.1	7.02	17.7	41.4	6.21	17.9	39.4	5.80	18.0
	25	80	48.9	6.43	17.4	46.7	6.09	17.7	45.1	6.04	18.0	41.4	5.39	18.5	39.4	5.00	18.8
	25	160	49.4	6.38	21.1	46.7	6.03	21.4	45.1	5.92	21.5	41.4	5.26	21.8	39.4	4.85	21.9
	25	240	49.7	6.12	22.4	46.7	5.83	22.6	45.1	5.92	22.7	41.4	5.26	22.8	39.4	4.85	22.9
	30	80	49.6	5.81	22.2	46.7	5.42	22.6	45.1	5.22	22.9	41.4	4.71	23.4	39.4	4.30	23.7
	30	160	49.6	5.69	26.1	46.7	5.29	26.3	45.1	5.10	26.4	41.4	4.59	26.7	39.4	4.30	26.9
	30	240	49.6	5.48	27.4	46.7	5.08	27.5	45.1	5.10	27.6	41.4	4.59	27.8	39.4	4.12	27.9
	35	80	49.6	5.29	27.1	46.7	4.90	27.5	45.1	4.68	27.8	41.4	4.18	28.3	39.4	3.91	28.6
	35	160	49.6	5.39	31.0	46.7	4.76	31.2	45.1	4.54	31.4	41.4	4.05	31.7	39.4	3.91	31.8
	35	240	49.6	4.95	32.3	46.7	4.85	32.5	45.1	4.33	32.6	41.4	4.05	32.8	39.4	3.91	32.9
	40	80	49.6	4.90	32.0	46.7	4.50	32.4	45.1	4.13	32.7	41.4	3.79	33.3	39.4	3.50	33.6
	40	160	49.6	4.62	36.0	46.7	4.37	36.2	45.1	3.99	36.3	41.4	3.64	36.6	39.4	3.38	36.8
	40	240	49.6	4.62	37.3	46.7	4.37	37.5	45.1	3.99	37.5	41.4	3.64	37.7	39.4	3.50	37.9
	45	80	49.6	4.50	36.9	46.7	4.10	37.4	45.1	3.57	37.6	41.4	3.38	38.2	39.4	3.09	38.5
	45	160	49.6	4.10	40.9	46.7	3.97	41.2	45.1	3.45	41.3	41.4	3.24	41.6	39.4	2.97	41.7
	45	240	49.6	4.71	42.3	46.7	4.18	42.5	45.1	3.63	42.5	41.4	3.24	42.7	39.4	2.97	42.8
80	5	80	45.2	9.51	-1.4	42.4	8.98	-1.0	41.1	8.48	-0.8	37.8	7.79	-0.4	34.7	6.99	0.0
	5	160	45.2	9.69	1.8	42.4	9.16	2.0	41.1	8.65	2.1	37.8	7.96	2.3	34.7	7.13	2.5
	5	240	45.2	9.77	2.9	42.4	9.24	3.0	41.1	8.75	3.1	37.8	8.03	3.2	34.7	7.21	3.4
	10	80	45.2	8.37	3.4	42.4	7.96	3.8	41.1	7.65	4.0	37.8	7.03	4.5	34.7	6.35	4.9
	10	160	45.2	8.39	6.7	42.4	8.00	6.9	41.1	7.68	7.0	37.8	7.00	7.2	34.7	6.36	7.5
	10	240	45.2	8.37	7.8	42.4	7.96	7.9	41.1	7.65	8.0	37.8	7.04	8.2	34.7	6.40	8.3
	15	80	45.2	7.22	8.2	42.4	6.95	8.7	41.1	6.82	8.9	38.0	6.26	9.3	35.8	5.71	9.6
	15	160	45.2	7.10	11.6	42.4	6.84	11.8	41.1	6.71	11.9	38.0	6.04	12.1	35.8	5.59	12.3
	15	240	45.2	6.95	12.7	42.4	6.69	12.9	41.1	6.53	12.9	38.0	6.04	13.1	35.8	5.59	13.2
	20	80	45.2	6.11	13.0	42.4	5.93	13.5	41.1	5.82	13.7	38.0	5.37	14.2	35.8	5.04	14.5
	20	160	45.2	6.11	16.5	42.4	5.85	16.7	41.1	5.93	16.8	38.0	5.15	17.1	35.8	4.81	17.2
	20	240	45.2	5.96	17.7	42.4	5.79	17.8	41.1	5.93	17.9	38.0	5.15	18.0	35.8	4.81	18.2
	25	80	45.5	5.34	17.8	42.6	5.05	18.3	41.1	5.01	18.5	38.0	4.47	19.0	35.8	4.15	19.3
	25	160	45.5	5.29	21.4	42.6	5.00	21.6	41.1	4.91	21.8	38.0	4.36	22.0	35.8	4.02	22.2
	25	240	45.5	5.08	22.6	42.6	4.83	22.7	41.1	4.91	22.8	38.0	4.36	23.0	35.8	4.02	23.1
	30	80	45.5	4.82	22.7	42.6	4.50	23.2	41.1	4.33	23.4	38.0	3.91	23.9	35.8	3.57	24.2
	30	160	45.5	4.72	26.3	42.6	4.39	26.6	41.1	4.23	26.7	38.0	3.81	26.9	35.8	3.57	27.1
	30	240	45.5	4.55	27.6	42.6	4.21	27.7	41.1	4.23	27.8	38.0	3.81	28.0	35.8	3.42	28.1
	35	80	45.5	4.39	27.6	42.6	4.07	28.1	41.1	3.88	28.3	38.0	3.47	28.8	35.8	3.24	29.2
	35	160	45.5	4.47	31.3	42.6	3.94	31.5	41.1	3.77	31.7	38.0	3.36	31.9	35.8	3.24	32.1
	35	240	45.5	4.10	32.5	42.6	4.02	32.7	41.1	3.59	32.8	38.0	3.36	32.9	35.8	3.24	33.1
	40	80	45.5	4.07	32.6	42.6	3.73	33.0	41.1	3.42	33.2	38.0	3.14	33.8	35.8	2.90	34.1
	40	160	45.5	3.83	36.3	42.6	3.62	36.5	41.1	3.31	36.6	38.0	3.02	36.9	35.8	2.80	37.0
	40	240	45.5	3.83	37.5	42.6	3.62	37.7	41.1	3.31	37.7	38.0	3.02	37.9	35.8	2.90	38.0
	45	80	45.5	3.83	37.5	42.6	3.62	38.0	41.1	3.31	38.2	38.0	3.02	38.7	35.8	2.90	39.1
	45	160	45.5	3.83	41.3	42.6	3.62	41.5	41.1	3.31	41.6	38.0	3.02	41.9	35.8	2.90	42.1
	45	240	45.5	3.83	42.5	42.6	3.62	42.7	41.1	3.31	42.7	38.0	3.02	42.9	35.8	2.90	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	80	39.1	7.98	-0.6	36.6	7.53	-0.2	35.5	7.11	-0.1	32.6	6.53	0.3	30.0	5.86	0.7
	5	160	39.1	8.12	2.2	36.6	7.68	2.4	35.5	7.25	2.5	32.6	6.67	2.7	30.0	5.98	2.9
	5	240	39.1	8.20	3.2	36.6	7.75	3.3	35.5	7.34	3.3	32.6	6.73	3.5	30.0	6.05	3.6
	10	80	39.1	7.02	4.3	36.6	6.68	4.6	35.5	6.42	4.8	32.6	5.89	5.2	30.0	5.32	5.6
	10	160	39.1	7.04	7.1	36.6	6.71	7.3	35.5	6.44	7.4	32.6	5.87	7.6	30.0	5.33	7.8
	10	240	39.1	7.02	8.1	36.6	6.68	8.2	35.5	6.42	8.3	32.6	5.90	8.4	30.0	5.36	8.5
	15	80	39.1	6.06	9.1	36.6	5.83	9.5	35.5	5.72	9.7	32.8	5.25	10.1	30.9	4.78	10.3
	15	160	39.1	5.95	12.0	36.6	5.74	12.2	35.5	5.63	12.3	32.8	5.07	12.5	30.9	4.69	12.7
	15	240	39.1	5.83	13.0	36.6	5.61	13.2	35.5	5.48	13.2	32.8	5.07	13.3	30.9	4.69	13.4
	20	80	39.1	5.13	13.9	36.6	4.97	14.3	35.5	4.88	14.5	32.8	4.50	14.9	30.9	4.23	15.2
	20	160	39.1	5.13	17.0	36.6	4.91	17.2	35.5	4.98	17.3	32.8	4.32	17.5	30.9	4.04	17.6
	20	240	39.1	5.00	18.0	36.6	4.86	18.1	35.5	4.98	18.2	32.8	4.32	18.3	30.9	4.04	18.4
	25	80	39.3	4.48	18.8	36.8	4.24	19.2	35.5	4.20	19.4	32.8	3.75	19.8	30.9	3.48	20.1
	25	160	39.3	4.43	21.9	36.8	4.20	22.1	35.5	4.12	22.2	32.8	3.66	22.4	30.9	3.37	22.5
	25	240	39.3	4.26	22.9	36.8	4.05	23.0	35.5	4.12	23.1	32.8	3.66	23.3	30.9	3.37	23.4
	30	80	39.3	4.04	23.7	36.8	3.77	24.1	35.5	3.63	24.3	32.8	3.28	24.7	30.9	2.99	25.0
	30	160	39.3	3.96	26.8	36.8	3.68	27.0	35.5	3.55	27.1	32.8	3.19	27.3	30.9	2.99	27.5
	30	240	39.3	3.81	27.9	36.8	3.53	28.0	35.5	3.55	28.1	32.8	3.19	28.2	30.9	2.87	28.3
	35	80	39.3	3.68	28.6	36.8	3.41	29.0	35.5	3.26	29.2	32.8	2.91	29.6	30.9	2.72	30.0
	35	160	39.3	3.75	31.8	36.8	3.31	32.0	35.5	3.16	32.1	32.8	2.81	32.3	30.9	2.72	32.5
	35	240	39.3	3.44	32.9	36.8	3.37	33.0	35.5	3.01	33.1	32.8	2.81	33.2	30.9	2.72	33.3
	40	80	39.3	3.41	33.6	36.8	3.13	34.0	35.5	2.87	34.2	32.8	2.63	34.6	30.9	2.43	34.9
	40	160	39.3	3.21	36.8	36.8	3.04	37.0	35.5	2.77	37.1	32.8	2.53	37.3	30.9	2.35	37.4
	40	240	39.3	3.21	37.8	36.8	3.04	38.0	35.5	2.77	38.0	32.8	2.53	38.2	30.9	2.43	38.3
	45	80	39.3	3.21	38.5	36.8	3.04	39.0	35.5	2.77	39.1	32.8	2.53	39.6	30.9	2.43	39.9
	45	160	39.3	3.21	41.8	36.8	3.04	42.0	35.5	2.77	42.1	32.8	2.53	42.3	30.9	2.43	42.4
	45	240	39.3	3.21	42.8	36.8	3.04	43.0	35.5	2.77	43.0	32.8	2.53	43.2	30.9	2.43	43.3
60	5	80	33.4	6.38	0.2	31.3	6.03	0.5	30.4	5.69	0.6	27.9	5.23	0.9	25.6	4.69	1.2
	5	160	33.4	6.50	2.6	31.3	6.14	2.7	30.4	5.80	2.8	27.9	5.34	3.0	25.6	4.78	3.1
	5	240	33.4	6.56	3.4	31.3	6.20	3.5	30.4	5.87	3.5	27.9	5.39	3.7	25.6	4.84	3.8
	10	80	33.4	5.62	5.0	31.3	5.34	5.3	30.4	5.14	5.5	27.9	4.71	5.8	25.6	4.26	6.2
	10	160	33.4	5.63	7.5	31.3	5.37	7.7	30.4	5.15	7.7	27.9	4.70	7.9	25.6	4.27	8.1
	10	240	33.4	5.62	8.3	31.3	5.34	8.4	30.4	5.14	8.5	27.9	4.72	8.6	25.6	4.29	8.7
	15	80	33.4	4.85	9.9	31.3	4.66	10.2	30.4	4.58	10.4	28.1	4.20	10.7	26.4	3.83	10.9
	15	160	33.4	4.76	12.4	31.3	4.59	12.6	30.4	4.50	12.7	28.1	4.06	12.8	26.4	3.75	13.0
	15	240	33.4	4.66	13.3	31.3	4.49	13.4	30.4	4.39	13.4	28.1	4.06	13.6	26.4	3.75	13.6
	20	80	33.4	4.10	14.7	31.3	3.98	15.1	30.4	3.90	15.3	28.1	3.60	15.6	26.4	3.38	15.9
	20	160	33.4	4.10	17.4	31.3	3.93	17.5	30.4	3.98	17.6	28.1	3.46	17.8	26.4	3.23	17.9
	20	240	33.4	4.00	18.2	31.3	3.89	18.4	30.4	3.98	18.4	28.1	3.46	18.5	26.4	3.23	18.6
	25	80	33.6	3.58	19.6	31.5	3.39	20.0	30.4	3.36	20.2	28.1	3.00	20.5	26.4	2.78	20.8
	25	160	33.6	3.55	22.3	31.5	3.36	22.5	30.4	3.29	22.6	28.1	2.93	22.7	26.4	2.70	22.9
	25	240	33.6	3.41	23.2	31.5	3.24	23.3	30.4	3.29	23.4	28.1	2.93	23.5	26.4	2.70	23.6
	30	80	33.6	3.23	24.6	31.5	3.02	24.9	30.4	2.91	25.1	28.1	2.62	25.4	26.4	2.39	25.7
	30	160	33.6	3.17	27.3	31.5	2.94	27.4	30.4	2.84	27.5	28.1	2.56	27.7	26.4	2.39	27.8
	30	240	33.6	3.05	28.2	31.5	2.83	28.3	30.4	2.84	28.4	28.1	2.56	28.5	26.4	2.29	28.6
	35	80	33.6	2.94	29.5	31.5	2.73	29.9	30.4	2.61	30.0	28.1	2.33	30.4	26.4	2.18	30.7
	35	160	33.6	3.00	32.3	31.5	2.65	32.4	30.4	2.53	32.5	28.1	2.25	32.7	26.4	2.18	32.8
	35	240	33.6	2.75	33.2	31.5	2.70	33.3	30.4	2.41	33.3	28.1	2.25	33.5	26.4	2.18	33.6
	40	80	33.6	2.73	34.5	31.5	2.51	34.8	30.4	2.30	35.0	28.1	2.11	35.4	26.4	1.95	35.6
	40	160	33.6	2.57	37.2	31.5	2.43	37.4	30.4	2.22	37.5	28.1	2.02	37.7	26.4	1.88	37.8
	40	240	33.6	2.57	38.1	31.5	2.43	38.3	30.4	2.22	38.3	28.1	2.02	38.4	26.4	1.95	38.5
	45	80	33.6	2.57	39.4	31.5	2.43	39.8	30.4	2.22	40.0	28.1	2.02	40.3	26.4	1.95	40.6
	45	160	33.6	2.57	42.2	31.5	2.43	42.4	30.4	2.22	42.5	28.1	2.02	42.7	26.4	1.95	42.8
	45	240	33.6	2.57	43.1	31.5	2.43	43.3	30.4	2.22	43.3	28.1	2.02	43.4	26.4	1.95	43.5
50	5	80	27.8	5.05	0.9	26.0	4.77	1.2	25.3	4.50	1.3	23.2	4.13	1.6	21.3	3.71	1.8
	5	160	27.8	5.14	3.0	26.0	4.86	3.1	25.3	4.59	3.1	23.2	4.22	3.3	21.3	3.78	3.4
	5	240	27.8	5.19	3.6	26.0	4.90	3.7	25.3	4.64	3.8	23.2	4.26	3.9	21.3	3.83	4.0
	10	80	27.8	4.44	5.8	26.0	4.22	6.1	25.3	4.06	6.2	23.2	3.73	6.5	21.3	3.37	6.8
	10	160	27.8	4.45	7.9	26.0	4.24	8.0	25.3	4.07	8.1	23.2	3.71	8.3	21.3	3.37	8.4
	10	240	27.8	4.44	8.6	26.0	4.22	8.7	25.3	4.06	8.7	23.2	3.73	8.8	21.3	3.39	8.9
	15	80	27.8	3.83	10.7	26.0	3.69	11.0	25.3	3.62	11.1	23.3	3.32	11.4	22.0	3.03	11.6
	15	160	27.8	3.77	12.8	26.0	3.63	13.0	25.3	3.56	13.1	23.3	3.21	13.2	22.0	2.97	13.3
	15	240	27.8	3.69	13.6	26.0	3.55	13.7	25.3	3.47	13.7	23.3	3.21	13.8	22.0	2.97	13.9
	20	80	27.8	3.24	15.6	26.0	3.15	15.9	25.3	3.09	16.0	23.3	2.85	16.3	22.0	2.67	16.5
	20	160	27.8	3.24	17.8	26.0	3.11	17.9	25.3	3.15	18.0	23.3	2.73	18.2	22.0	2.55	18.3
	20	240	27.8	3.16	18.5	26.0	3.07	18.6	25.3	3.15	18.7	23.3	2.73	18.8	22.0	2.55	18.8
	25	80	28.0	2.83	20.5	26.2	2.68	20.8	25.3	2.66	20.9	23.3	2.37	21.2	22.0	2.20	21.5
	25	160	28.0	2.81	22.7	26.2	2.65	22.9	25.3	2.60	23.0	23.3	2.31	23.1	22.0	2.13	23.2
	25	240	28.0	2.69	23.5	26.2	2.56	23.6	25.3	2.60	23.6	23.3	2.31	23.7	22.0	2.13	23.8
	30	80	28.0	2.56	25.4	26.2	2.39	25.7	25.3	2.30	25.9	23.3	2.07	26.2	22.0	1.89	26.4
	30	160	28.0	2.50	27.7	26.2	2.33	27.9	25.3	2.24	27.9	23.3	2.02	28.1	22.0	1.89	28.2
	30	240	28.0	2.41	28.5	26.2	2.24	28.6	25.3	2.24	28.6	23.3	2.02	28.7	22.0	1.81	28.8
	35	80	28.0	2.33	30.4	26.2	2.16	30.7	25.3	2.06	30.8	23.3	1.84	31.1	22.0	1.72	31.4
	35	160	28.0	2.37	32.7	26.2	2.09	32.8	25.3	2.00	32.9	23.3	1.78	33.1	22.0	1.72	33.2
	35	240	28.0	2.18	33.5	26.2	2.13	33.6	25.3	1.90	33.6	23.3	1.78	33.7	22.0	1.72	33.8
	40	80	28.0	2.16	35.4	26.2	1.98	35.7	25.3	1.82	35.8	23.3	1.67	36.1	22.0	1.54	36.3
	40	160	28.0	2.03	37.7	26.2	1.92	37.8	25.3	1.75	37.9	23.3	1.60	38.1	22.0	1.49	38.2
	40	240	28.0	2.03	38.5	26.2	1.92	38.6	25.3	1.75	38.6	23.3	1.60	38.7	22.0	1.54	38.8
	45	80	28.0	2.03	40.4	26.2	1.92	40.7	25.3	1.75	40.8	23.3	1.60	41.1	22.0	1.54	41.3
	45	160	28.0	2.03	42.7	26.2	1.92	42.8	25.3	1.75	42.9	23.3	1.60	43.1	22.0	1.54	43.2
	45	240	28.0	2.03	43.5	26.2	1.92	43.6	25.3	1.75	43.6	23.3	1.60	43.7	22.0	1.54	43.8

12. Capacity Table

1-5. AM180FXWANR✶✶✶

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	88	50.8	3.40	18.8	55.8	4.04	19.7	59.9	4.43	20.5	64.3	4.70	21.2	66.1	4.75	21.5
	10	176	50.8	3.15	14.4	55.8	3.73	14.8	59.9	4.22	15.2	64.3	4.43	15.6	66.1	4.44	15.7
	10	264	50.8	3.10	12.9	55.8	3.72	13.2	59.9	4.00	13.5	64.3	4.35	13.7	66.1	4.45	13.8
	15	88	49.9	4.38	23.8	54.9	5.19	24.8	59.0	5.76	25.6	63.3	6.04	26.3	65.0	6.18	26.6
	15	176	49.9	4.09	19.4	54.9	4.81	19.9	59.0	5.37	20.2	63.3	5.65	20.6	65.0	5.77	20.8
	15	264	49.9	3.97	17.9	54.9	4.69	18.2	59.0	5.19	18.5	63.3	5.44	18.7	65.0	5.61	18.8
	20	88	49.1	5.22	28.9	54.2	6.11	29.8	58.3	6.82	30.6	62.4	7.15	31.3	64.1	7.31	31.6
	20	176	49.1	5.12	24.4	54.2	6.02	24.9	58.3	6.73	25.3	62.4	7.07	25.7	64.1	7.20	25.8
	20	264	49.1	4.95	22.9	54.2	5.84	23.3	58.3	6.52	23.5	62.4	6.80	23.8	64.1	7.01	23.9
	25	88	49.1	6.55	34.1	54.2	7.72	35.1	58.3	8.60	35.9	62.4	9.04	36.6	64.1	9.18	36.9
	25	176	49.1	6.13	29.5	54.2	7.20	30.0	58.3	8.01	30.4	62.4	8.44	30.8	64.1	8.58	30.9
	25	264	49.1	5.89	28.0	54.2	6.97	28.3	58.3	7.76	28.6	62.4	8.14	28.8	64.1	8.37	28.9
	30	88	49.1	7.69	39.3	54.2	9.04	40.3	58.3	10.09	41.1	62.4	10.58	41.9	64.1	10.76	42.2
	30	176	49.1	7.56	34.6	54.2	8.90	35.1	58.3	9.90	35.6	62.4	10.43	35.9	64.1	10.64	36.1
	30	264	49.1	7.32	33.1	54.2	8.62	33.4	58.3	9.61	33.7	62.4	10.08	33.9	64.1	10.35	34.0
	35	88	46.4	8.00	43.9	51.3	9.43	44.9	55.1	10.51	45.7	59.2	11.01	46.4	60.5	11.20	46.7
	35	176	46.4	7.85	39.4	51.3	9.27	39.9	55.1	10.33	40.3	59.2	10.85	40.7	60.5	11.08	40.8
	35	264	46.4	7.64	37.9	51.3	8.99	38.3	55.1	9.99	38.5	59.2	10.50	38.8	60.5	10.79	38.9
	40	88	38.8	8.33	47.7	42.8	9.81	48.6	46.1	10.94	49.3	49.3	11.47	49.9	50.7	11.70	50.2
	40	176	39.2	8.19	43.9	43.1	9.66	44.3	46.5	10.74	44.7	49.7	11.30	45.0	51.2	11.55	45.1
	40	264	39.7	7.94	42.6	43.8	9.33	42.9	47.1	10.43	43.1	50.5	10.94	43.3	51.9	11.27	43.4
	45	88	32.4	8.60	51.7	35.6	10.14	52.4	38.2	11.30	53.1	41.0	11.84	53.6	42.1	12.09	53.8
	45	176	32.7	8.46	48.4	35.9	9.96	48.7	38.5	11.09	49.0	41.3	11.70	49.3	42.4	11.93	49.4
	45	264	33.2	8.19	47.2	36.4	9.62	47.5	39.1	10.77	47.7	41.9	11.29	47.9	43.0	11.65	48.0
120	10	88	48.1	3.22	18.4	52.9	3.83	19.2	56.9	4.20	19.9	60.9	4.44	20.6	62.5	4.50	20.9
	10	176	48.1	3.01	14.2	52.9	3.58	14.6	56.9	3.99	15.0	60.9	4.19	15.3	62.5	4.20	15.4
	10	264	48.1	2.87	12.8	52.9	3.52	13.1	56.9	3.77	13.3	60.9	4.12	13.5	62.5	4.25	13.6
	15	88	47.5	4.19	23.4	52.2	4.95	24.3	56.2	5.52	25.0	60.2	5.79	25.7	61.7	5.89	26.0
	15	176	47.5	3.92	19.2	52.2	4.60	19.6	56.2	5.15	20.0	60.2	5.39	20.3	61.7	5.50	20.5
	15	264	47.5	3.78	17.8	52.2	4.48	18.1	56.2	4.95	18.3	60.2	5.21	18.6	61.7	5.37	18.6
	20	88	47.0	5.02	28.5	51.6	5.87	29.4	55.6	6.56	30.1	59.6	6.89	30.8	61.2	7.02	31.1
	20	176	47.0	4.91	24.2	51.6	5.77	24.7	55.6	6.46	25.1	59.6	6.79	25.4	61.2	6.91	25.5
	20	264	47.0	4.77	22.8	51.6	5.62	23.1	55.6	6.26	23.4	59.6	6.54	23.6	61.2	6.73	23.7
	25	88	47.0	6.30	33.7	51.6	7.41	34.6	55.6	8.22	35.4	59.6	8.66	36.1	61.2	8.81	36.4
	25	176	47.0	5.85	29.3	51.6	6.91	29.8	55.6	7.69	30.2	59.6	8.07	30.5	61.2	8.22	30.7
	25	264	47.0	5.64	27.9	51.6	6.67	28.2	55.6	7.44	28.4	59.6	7.80	28.7	61.2	8.00	28.8
	30	88	47.0	7.43	38.9	51.6	8.74	39.8	55.6	9.74	40.6	59.6	10.22	41.4	61.2	10.40	41.7
	30	176	47.0	7.30	34.4	51.6	8.58	34.9	55.6	9.57	35.3	59.6	10.06	35.7	61.2	10.25	35.8
	30	264	47.0	7.06	32.9	51.6	8.32	33.3	55.6	9.28	33.5	59.6	9.75	33.8	61.2	9.98	33.9
	35	88	45.1	7.83	43.6	49.8	9.24	44.6	53.6	10.29	45.4	57.3	10.77	46.1	58.8	10.98	46.4
	35	176	45.1	7.69	39.3	49.8	9.07	39.8	53.6	10.11	40.2	57.3	10.62	40.5	58.8	10.83	40.7
	35	264	45.1	7.46	37.9	49.8	8.80	38.2	53.6	9.78	38.4	57.3	10.27	38.7	58.8	10.55	38.8
	40	88	38.5	8.32	47.6	42.4	9.79	48.5	45.7	10.92	49.2	48.8	11.46	49.8	50.2	11.69	50.1
	40	176	38.8	8.18	43.8	42.8	9.64	44.3	46.1	10.72	44.6	49.2	11.26	44.9	50.6	11.51	45.1
	40	264	39.4	7.93	42.6	43.4	9.35	42.9	46.8	10.41	43.1	49.9	10.94	43.3	51.4	11.21	43.4
	45	88	32.7	8.74	51.8	36.3	10.30	52.6	39.1	11.49	53.2	41.7	12.04	53.7	42.8	12.28	54.0
	45	176	33.0	8.60	48.4	36.6	10.12	48.8	39.4	11.28	49.1	42.0	11.86	49.4	43.1	12.10	49.5
	45	264	33.5	8.31	47.3	37.1	9.82	47.5	40.0	10.94	47.8	42.6	11.50	47.9	43.7	11.75	48.0
110	10	88	45.4	3.04	17.9	49.9	3.61	18.7	53.7	3.99	19.4	57.6	4.20	20.1	59.0	4.26	20.3
	10	176	45.4	2.84	13.9	49.9	3.36	14.3	53.7	3.79	14.7	57.6	3.98	15.0	59.0	3.97	15.1
	10	264	45.4	2.74	12.6	49.9	3.30	12.9	53.7	3.60	13.1	57.6	3.90	13.3	59.0	3.98	13.4
	15	88	45.2	4.04	23.0	49.8	4.77	23.9	53.6	5.32	24.6	57.5	5.57	25.3	59.0	5.68	25.5
	15	176	45.2	3.77	19.0	49.8	4.43	19.4	53.6	4.95	19.8	57.5	5.20	20.1	59.0	5.29	20.2
	15	264	45.2	3.65	17.7	49.8	4.30	17.9	53.6	4.79	18.2	57.5	5.02	18.4	59.0	5.13	18.5
	20	88	45.1	4.88	28.1	49.7	5.72	29.0	53.5	6.39	29.8	57.3	6.70	30.4	58.8	6.83	30.7
	20	176	45.1	4.78	24.1	49.7	5.63	24.5	53.5	6.28	24.9	57.3	6.59	25.2	58.8	6.71	25.3
	20	264	45.1	4.64	22.7	49.7	5.46	23.0	53.5	6.09	23.2	57.3	6.38	23.5	58.8	6.51	23.5
	25	88	45.1	6.08	33.3	49.7	7.16	34.3	53.5	7.97	35.0	57.3	8.36	35.7	58.8	8.51	36.0
	25	176	45.1	5.67	29.1	49.7	6.67	29.6	53.5	7.43	30.0	57.3	7.79	30.3	58.8	7.94	30.4
	25	264	45.1	5.47	27.7	49.7	6.44	28.0	53.5	7.19	28.3	57.3	7.54	28.5	58.8	7.69	28.6
	30	88	45.1	7.27	38.5	49.7	8.56	39.5	53.5	9.54	40.3	57.3	10.01	41.0	58.8	10.20	41.2
	30	176	45.1	7.15	34.3	49.7	8.42	34.7	53.5	9.38	35.1	57.3	9.84	35.5	58.8	10.03	35.6
	30	264	45.1	6.93	32.8	49.7	8.16	33.1	53.5	9.09	33.4	57.3	9.54	33.6	58.8	9.73	33.7
	35	88	44.7	7.85	43.6	49.3	9.25	44.5	53.0	10.31	45.3	56.9	10.80	46.0	58.3	11.01	46.3
	35	176	44.7	7.72	39.3	49.3	9.09	39.8	53.0	10.13	40.1	56.9	10.63	40.5	58.3	10.83	40.6
	35	264	44.7	7.48	37.8	49.3	8.81	38.2	53.0	9.81	38.4	56.9	10.30	38.6	58.3	10.51	38.7
	40	88	39.4	8.63	47.8	43.4	10.16	48.7	46.7	11.32	49.4	50.1	11.87	50.1	51.4	12.10	50.3
	40	176	39.7	8.47	43.9	43.8	9.98	44.4	47.1	11.12	44.7	50.5	11.67	45.1	51.8	11.90	45.2
	40	264	40.3	8.21	42.6	44.4	9.68	42.9	47.7	10.78	43.2	51.2	11.32	43.4	52.6	11.54	43.5
	45	88	35.0	9.32	52.2	38.6	10.97	53.1	41.5	12.23	53.7	44.5	12.83	54.3	45.6	13.08	54.6
	45	176	35.3	9.15	48.6	38.9	10.78	49.0	41.8	12.02	49.4	44.9	12.63	49.7	46.0	12.86	49.8
	45	264	35.8	8.86	47.4	39.4	10.46	47.7	42.4	11.65	47.9	45.5	12.23	48.1	46.7	12.46	48.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	88	42.5	2.86	17.4	46.9	3.37	18.2	50.4	3.75	18.8	54.1	3.94	19.4	55.4	4.01	19.7
	10	176	42.5	2.67	13.7	46.9	3.16	14.1	50.4	3.57	14.4	54.1	3.73	14.7	55.4	3.73	14.8
	10	264	42.5	2.58	12.4	46.9	3.09	12.7	50.4	3.38	12.9	54.1	3.66	13.1	55.4	3.72	13.2
	15	88	42.5	3.82	22.5	46.9	4.50	23.4	50.4	5.01	24.0	54.1	5.26	24.7	55.4	5.36	24.9
	15	176	42.5	3.56	18.7	46.9	4.19	19.2	50.4	4.67	19.5	54.1	4.90	19.8	55.4	4.99	19.9
	15	264	42.5	3.44	17.5	46.9	4.05	17.8	50.4	4.51	18.0	54.1	4.74	18.2	55.4	4.82	18.3
	20	88	42.5	4.60	27.7	46.9	5.42	28.5	50.4	6.04	29.2	54.1	6.34	29.8	55.4	6.46	30.1
	20	176	42.5	4.53	23.8	46.9	5.33	24.3	50.4	5.94	24.6	54.1	6.23	24.9	55.4	6.35	25.0
	20	264	42.5	4.39	22.5	46.9	5.17	22.8	50.4	5.75	23.0	54.1	6.04	23.3	55.4	6.15	23.3
	25	88	42.5	5.74	32.9	46.9	6.75	33.7	50.4	7.53	34.4	54.1	7.90	35.1	55.4	8.04	35.3
	25	176	42.5	5.35	28.9	46.9	6.29	29.3	50.4	7.01	29.7	54.1	7.36	30.0	55.4	7.49	30.1
	25	264	42.5	5.17	27.6	46.9	6.08	27.9	50.4	6.78	28.1	54.1	7.11	28.3	55.4	7.25	28.4
	30	88	42.5	6.89	38.0	46.9	8.12	39.0	50.4	9.04	39.7	54.1	9.49	40.4	55.4	9.67	40.6
	30	176	42.5	6.78	34.0	46.9	7.98	34.5	50.4	8.89	34.8	54.1	9.33	35.2	55.4	9.50	35.3
	30	264	42.5	6.57	32.7	46.9	7.73	33.0	50.4	8.62	33.2	54.1	9.04	33.4	55.4	9.21	33.5
	35	88	42.5	7.49	43.1	46.9	8.82	44.1	50.4	9.83	44.8	54.1	10.31	45.5	55.4	10.50	45.7
	35	176	42.5	7.36	39.1	46.9	8.67	39.5	50.4	9.66	39.9	54.1	10.13	40.2	55.4	10.32	40.4
	35	264	42.5	7.14	37.7	46.9	8.40	38.0	50.4	9.36	38.2	54.1	9.82	38.5	55.4	10.01	38.6
	40	88	37.8	8.30	47.5	41.7	9.77	48.4	44.8	10.89	49.1	48.1	11.42	49.7	49.3	11.64	49.9
	40	176	38.1	8.16	43.8	42.1	9.61	44.2	45.2	10.70	44.6	48.5	11.23	44.9	49.7	11.44	45.0
	40	264	38.7	7.91	42.5	42.7	9.31	42.8	45.9	10.37	43.1	49.2	10.88	43.3	50.4	11.09	43.3
	45	88	33.9	9.03	52.0	37.4	10.64	52.8	40.3	11.85	53.5	43.2	12.43	54.1	44.3	12.67	54.3
	45	176	34.2	8.88	48.5	37.8	10.46	48.9	40.6	11.65	49.3	43.5	12.22	49.5	44.7	12.45	49.7
	45	264	34.7	8.61	47.4	38.3	10.13	47.6	41.2	11.29	47.8	44.2	11.85	48.0	45.3	12.07	48.1
90	10	88	38.4	2.45	16.6	42.3	2.88	17.4	45.5	3.21	17.9	48.8	3.37	18.5	50.1	3.44	18.7
	10	176	38.4	2.41	13.3	42.3	2.84	13.7	45.5	3.16	14.0	48.8	3.31	14.2	50.1	3.38	14.4
	10	264	38.4	2.33	12.2	42.3	2.75	12.4	45.5	3.06	12.6	48.8	3.21	12.8	50.1	3.27	12.9
	15	88	38.4	3.27	21.8	42.3	3.85	22.5	45.5	4.29	23.1	48.8	4.50	23.7	50.1	4.59	23.9
	15	176	38.4	3.21	18.4	42.3	3.79	18.8	45.5	4.22	19.0	48.8	4.42	19.3	50.1	4.51	19.4
	15	264	38.4	3.12	17.3	42.3	3.67	17.5	45.5	4.09	17.7	48.8	4.29	17.9	50.1	4.37	18.0
	20	88	38.4	3.94	26.9	42.3	4.64	27.7	45.5	5.17	28.3	48.8	5.42	28.8	50.1	5.53	29.1
	20	176	38.4	3.87	23.4	42.3	4.56	23.8	45.5	5.08	24.1	48.8	5.33	24.4	50.1	5.43	24.5
	20	264	38.4	3.75	22.3	42.3	4.42	22.5	45.5	4.93	22.7	48.8	5.17	22.9	50.1	5.26	23.0
	25	88	38.4	4.91	32.0	42.3	5.78	32.8	45.5	6.44	33.5	48.8	6.76	34.1	50.1	6.89	34.3
	25	176	38.4	4.83	28.5	42.3	5.68	28.9	45.5	6.33	29.2	48.8	6.64	29.5	50.1	6.77	29.6
	25	264	38.4	4.68	27.3	42.3	5.51	27.6	45.5	6.14	27.8	48.8	6.44	28.0	50.1	6.56	28.1
	30	88	38.4	5.90	37.2	42.3	6.95	38.0	45.5	7.74	38.7	48.8	8.12	39.3	50.1	8.27	39.5
	30	176	38.4	5.80	33.6	42.3	6.83	34.0	45.5	7.61	34.3	48.8	7.98	34.6	50.1	8.13	34.7
	30	264	38.4	5.62	32.4	42.3	6.62	32.7	45.5	7.38	32.9	48.8	7.74	33.1	50.1	7.88	33.1
	35	88	38.4	6.41	42.3	42.3	7.55	43.1	45.5	8.41	43.8	48.8	8.83	44.4	50.1	8.99	44.6
	35	176	38.4	6.30	38.6	42.3	7.42	39.1	45.5	8.27	39.4	48.8	8.68	39.7	50.1	8.84	39.8
	35	264	38.4	6.11	37.4	42.3	7.19	37.7	45.5	8.01	37.9	48.8	8.41	38.1	50.1	8.57	38.2
	40	88	34.1	7.11	46.7	37.7	8.37	47.5	40.5	9.32	48.1	43.4	9.78	48.7	44.5	9.96	48.9
	40	176	34.4	6.98	43.4	38.0	8.22	43.8	40.8	9.16	44.1	43.8	9.61	44.3	44.9	9.79	44.5
	40	264	34.9	6.77	42.3	38.5	7.97	42.5	41.4	8.88	42.7	44.4	9.32	42.9	45.5	9.49	43.0
	45	88	30.6	7.73	51.2	33.8	9.11	52.0	36.3	10.15	52.6	39.0	10.64	53.1	40.0	10.84	53.3
	45	176	30.9	7.60	48.1	34.1	8.95	48.5	36.6	9.97	48.8	39.3	10.46	49.1	40.3	10.66	49.2
	45	264	31.3	7.37	47.1	34.6	8.68	47.3	37.2	9.67	47.5	39.9	10.14	47.7	40.9	10.33	47.8
80	10	88	34.0	2.03	15.9	37.5	2.39	16.5	40.3	2.67	17.0	43.2	2.80	17.5	44.3	2.85	17.7
	10	176	34.0	2.00	12.9	37.5	2.35	13.2	40.3	2.62	13.5	43.2	2.75	13.7	44.3	2.80	13.8
	10	264	34.0	1.94	11.9	37.5	2.28	12.2	40.3	2.54	12.3	43.2	2.66	12.5	44.3	2.71	12.6
	15	88	34.0	2.71	21.0	37.5	3.19	21.6	40.3	3.56	22.1	43.2	3.73	22.6	44.3	3.80	22.8
	15	176	34.0	2.67	18.0	37.5	3.14	18.3	40.3	3.50	18.6	43.2	3.67	18.8	44.3	3.74	18.9
	15	264	34.0	2.58	17.0	37.5	3.04	17.2	40.3	3.39	17.4	43.2	3.56	17.5	44.3	3.62	17.6
	20	88	34.0	3.27	26.1	37.5	3.85	26.7	40.3	4.29	27.3	43.2	4.50	27.8	44.3	4.58	28.0
	20	176	34.0	3.21	23.0	37.5	3.78	23.4	40.3	4.21	23.6	43.2	4.42	23.9	44.3	4.50	24.0
	20	264	34.0	3.11	22.0	37.5	3.67	22.2	40.3	4.08	22.4	43.2	4.29	22.6	44.3	4.37	22.6
	25	88	34.0	4.07	31.2	37.5	4.79	31.9	40.3	5.34	32.4	43.2	5.60	33.0	44.3	5.71	33.2
	25	176	34.0	4.00	28.1	37.5	4.71	28.4	40.3	5.25	28.7	43.2	5.51	29.0	44.3	5.61	29.1
	25	264	34.0	3.88	27.1	37.5	4.57	27.3	40.3	5.09	27.5	43.2	5.34	27.6	44.3	5.44	27.7
	30	88	34.0	4.89	36.3	37.5	5.76	37.0	40.3	6.42	37.6	43.2	6.73	38.1	44.3	6.86	38.3
	30	176	34.0	4.81	33.2	37.5	5.66	33.5	40.3	6.31	33.8	43.2	6.62	34.1	44.3	6.74	34.2
	30	264	34.0	4.66	32.1	37.5	5.49	32.3	40.3	6.12	32.5	43.2	6.42	32.7	44.3	6.54	32.8
	35	88	34.0	5.32	41.4	37.5	6.26	42.1	40.3	6.98	42.7	43.2	7.32	43.2	44.3	7.46	43.4
	35	176	34.0	5.23	38.2	37.5	6.15	38.6	40.3	6.86	38.8	43.2	7.19	39.1	44.3	7.33	39.2
	35	264	34.0	5.07	37.1	37.5	5.96	37.4	40.3	6.65	37.5	43.2	6.97	37.7	44.3	7.10	37.8
	40	88	30.2	5.89	45.9	33.3	6.94	46.6	35.8	7.73	47.1	38.5	8.11	47.6	39.4	8.26	47.8
	40	176	30.5	5.79	43.0	33.6	6.82	43.3	36.1	7.60	43.6	38.8	7.97	43.8	39.8	8.12	43.9
	40	264	30.9	5.61	42.0	34.1	6.61	42.2	36.7	7.36	42.4	39.3	7.72	42.6	40.3	7.87	42.6
	45	88	27.1	6.41	50.5	29.9	7.55	51.1	32.2	8.41	51.6	34.5	8.83	52.1	35.4	8.99	52.2
	45	176	27.4	6.30	47.7	30.2	7.42	48.1	32.5	8.27	48.3	34.8	8.68	48.5	35.7	8.84	48.6
	45	264	27.8	6.11	46.8	30.6	7.19	47.1	32.9	8.01	47.2	35.3	8.41	47.4	36.2	8.57	47.4

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	88	29.8	1.71	15.1	32.9	2.01	15.7	35.3	2.24	16.1	37.9	2.35	16.6	38.9	2.40	16.7
	10	176	29.8	1.68	12.6	32.9	1.98	12.8	35.3	2.20	13.1	37.9	2.31	13.3	38.9	2.36	13.4
	10	264	29.8	1.63	11.7	32.9	1.92	11.9	35.3	2.14	12.0	37.9	2.24	12.2	38.9	2.28	12.2
	15	88	29.8	2.28	20.2	32.9	2.69	20.8	35.3	2.99	21.2	37.9	3.14	21.7	38.9	3.20	21.9
	15	176	29.8	2.24	17.6	32.9	2.64	17.9	35.3	2.94	18.1	37.9	3.09	18.3	38.9	3.14	18.4
	15	264	29.8	2.17	16.7	32.9	2.56	16.9	35.3	2.85	17.1	37.9	2.99	17.2	38.9	3.05	17.3
	20	88	29.8	2.75	25.3	32.9	3.24	25.9	35.3	3.61	26.3	37.9	3.78	26.8	38.9	3.86	27.0
	20	176	29.8	2.70	22.6	32.9	3.18	22.9	35.3	3.55	23.2	37.9	3.72	23.4	38.9	3.79	23.5
	20	264	29.8	2.62	21.8	32.9	3.09	22.0	35.3	3.44	22.1	37.9	3.61	22.3	38.9	3.67	22.3
	25	88	29.8	3.43	30.4	32.9	4.03	31.0	35.3	4.50	31.5	37.9	4.72	31.9	38.9	4.80	32.1
	25	176	29.8	3.37	27.7	32.9	3.97	28.0	35.3	4.42	28.2	37.9	4.64	28.5	38.9	4.72	28.5
	25	264	29.8	3.26	26.8	32.9	3.84	27.0	35.3	4.28	27.2	37.9	4.49	27.3	38.9	4.58	27.4
	30	88	29.8	4.12	35.5	32.9	4.85	36.1	35.3	5.40	36.6	37.9	5.67	37.1	38.9	5.77	37.3
	30	176	29.8	4.05	32.8	32.9	4.77	33.1	35.3	5.31	33.3	37.9	5.57	33.5	38.9	5.68	33.6
	30	264	29.8	3.92	31.8	32.9	4.62	32.0	35.3	5.15	32.2	37.9	5.40	32.4	38.9	5.50	32.4
	35	88	29.8	4.47	40.6	32.9	5.27	41.2	35.3	5.87	41.7	37.9	6.16	42.2	38.9	6.27	42.4
	35	176	29.8	4.40	37.8	32.9	5.18	38.1	35.3	5.77	38.3	37.9	6.05	38.6	38.9	6.17	38.7
	35	264	29.8	4.26	36.8	32.9	5.02	37.1	35.3	5.59	37.2	37.9	5.87	37.4	38.9	5.98	37.4
	40	88	26.5	4.96	45.1	29.2	5.84	45.7	31.4	6.50	46.2	33.7	6.82	46.6	34.6	6.95	46.8
	40	176	26.7	4.87	42.6	29.5	5.74	42.9	31.7	6.39	43.1	34.0	6.71	43.3	34.9	6.83	43.4
	40	264	27.1	4.72	41.7	29.9	5.56	41.9	32.1	6.20	42.1	34.5	6.50	42.2	35.4	6.62	42.3
	45	88	23.8	5.40	49.8	26.2	6.35	50.3	28.2	7.08	50.7	30.3	7.43	51.1	31.0	7.57	51.3
	45	176	24.0	5.30	47.4	26.5	6.25	47.7	28.5	6.96	47.9	30.5	7.30	48.1	31.3	7.44	48.2
	45	264	24.3	5.14	46.6	26.8	6.05	46.8	28.9	6.74	46.9	31.0	7.08	47.1	31.7	7.21	47.1
60	10	88	25.4	1.33	14.4	28.1	1.56	14.8	30.2	1.74	15.2	32.3	1.83	15.6	33.2	1.86	15.7
	10	176	25.4	1.30	12.2	28.1	1.54	12.4	30.2	1.71	12.6	32.3	1.79	12.8	33.2	1.83	12.8
	10	264	25.4	1.26	11.4	28.1	1.49	11.6	30.2	1.66	11.7	32.3	1.74	11.9	33.2	1.77	11.9
	15	88	25.4	1.77	19.4	28.1	2.09	19.9	30.2	2.32	20.3	32.3	2.44	20.7	33.2	2.48	20.8
	15	176	25.4	1.74	17.2	28.1	2.05	17.5	30.2	2.28	17.6	32.3	2.40	17.8	33.2	2.44	17.9
	15	264	25.4	1.69	16.5	28.1	1.99	16.6	30.2	2.21	16.8	32.3	2.32	16.9	33.2	2.37	16.9
	20	88	25.4	2.13	24.5	28.1	2.51	25.0	30.2	2.80	25.4	32.3	2.94	25.7	33.2	2.99	25.9
	20	176	25.4	2.10	22.2	28.1	2.47	22.5	30.2	2.75	22.7	32.3	2.89	22.9	33.2	2.94	22.9
	20	264	25.4	2.03	21.5	28.1	2.39	21.7	30.2	2.67	21.8	32.3	2.80	21.9	33.2	2.85	22.0
	25	88	25.4	2.66	29.6	28.1	3.13	30.1	30.2	3.49	30.5	32.3	3.66	30.9	33.2	3.73	31.0
	25	176	25.4	2.61	27.3	28.1	3.08	27.5	30.2	3.43	27.7	32.3	3.60	27.9	33.2	3.66	28.0
	25	264	25.4	2.53	26.5	28.1	2.98	26.7	30.2	3.32	26.8	32.3	3.49	26.9	33.2	3.55	27.0
	30	88	25.4	3.20	34.7	28.1	3.76	35.2	30.2	4.19	35.6	32.3	4.40	36.0	33.2	4.48	36.1
	30	176	25.4	3.14	32.3	28.1	3.70	32.6	30.2	4.12	32.8	32.3	4.32	33.0	33.2	4.40	33.1
	30	264	25.4	3.04	31.5	28.1	3.58	31.7	30.2	3.99	31.9	32.3	4.19	32.0	33.2	4.27	32.0
	35	88	25.4	3.47	39.7	28.1	4.09	40.2	30.2	4.56	40.7	32.3	4.78	41.0	33.2	4.87	41.2
	35	176	25.4	3.41	37.3	28.1	4.02	37.6	30.2	4.48	37.8	32.3	4.70	38.0	33.2	4.79	38.1
	35	264	25.4	3.31	36.6	28.1	3.90	36.7	30.2	4.34	36.9	32.3	4.55	37.0	33.2	4.64	37.1
	40	88	22.6	3.85	44.3	24.9	4.53	44.8	26.8	5.05	45.2	28.8	5.30	45.5	29.5	5.39	45.7
	40	176	22.8	3.78	42.2	25.2	4.45	42.4	27.0	4.96	42.6	29.0	5.21	42.8	29.7	5.30	42.9
	40	264	23.1	3.67	41.5	25.5	4.32	41.6	27.4	4.81	41.8	29.4	5.04	41.9	30.2	5.14	41.9
	45	88	20.3	4.19	49.0	22.4	4.93	49.5	24.1	5.49	49.8	25.8	5.76	50.1	26.5	5.87	50.3
	45	176	20.5	4.12	47.0	22.6	4.85	47.2	24.3	5.40	47.4	26.0	5.67	47.6	26.7	5.77	47.6
	45	264	20.8	3.99	46.3	22.9	4.70	46.5	24.6	5.23	46.6	26.4	5.49	46.7	27.1	5.59	46.8
50	10	88	21.2	1.01	13.6	23.4	1.19	14.0	25.2	1.32	14.3	27.0	1.39	14.6	27.7	1.41	14.7
	10	176	21.2	0.99	11.8	23.4	1.17	12.0	25.2	1.30	12.2	27.0	1.36	12.3	27.7	1.39	12.4
	10	264	21.2	0.96	11.2	23.4	1.13	11.3	25.2	1.26	11.4	27.0	1.32	11.5	27.7	1.35	11.6
	15	88	21.2	1.35	18.7	23.4	1.58	19.1	25.2	1.76	19.4	27.0	1.85	19.7	27.7	1.89	19.8
	15	176	21.2	1.32	16.8	23.4	1.56	17.0	25.2	1.73	17.2	27.0	1.82	17.3	27.7	1.85	17.4
	15	264	21.2	1.28	16.2	23.4	1.51	16.4	25.2	1.68	16.5	27.0	1.76	16.6	27.7	1.80	16.6
	20	88	21.2	1.62	23.7	23.4	1.91	24.1	25.2	2.13	24.5	27.0	2.23	24.8	27.7	2.27	24.9
	20	176	21.2	1.59	21.9	23.4	1.88	22.1	25.2	2.09	22.2	27.0	2.19	22.4	27.7	2.23	22.4
	20	264	21.2	1.54	21.2	23.4	1.82	21.4	25.2	2.03	21.5	27.0	2.13	21.6	27.7	2.17	21.6
	25	88	21.2	2.02	28.8	23.4	2.38	29.2	25.2	2.65	29.5	27.0	2.78	29.9	27.7	2.83	30.0
	25	176	21.2	1.99	26.9	23.4	2.34	27.1	25.2	2.60	27.3	27.0	2.73	27.4	27.7	2.78	27.5
	25	264	21.2	1.92	26.3	23.4	2.27	26.4	25.2	2.52	26.5	27.0	2.65	26.6	27.7	2.70	26.7
	30	88	21.2	2.43	33.9	23.4	2.86	34.3	25.2	3.18	34.6	27.0	3.34	34.9	27.7	3.40	35.1
	30	176	21.2	2.39	31.9	23.4	2.81	32.1	25.2	3.13	32.3	27.0	3.28	32.5	27.7	3.35	32.5
	30	264	21.2	2.31	31.3	23.4	2.72	31.4	25.2	3.03	31.5	27.0	3.18	31.6	27.7	3.24	31.7
	35	88	21.2	2.64	38.9	23.4	3.11	39.3	25.2	3.46	39.7	27.0	3.63	40.0	27.7	3.70	40.1
	35	176	21.2	2.59	36.9	23.4	3.05	37.2	25.2	3.40	37.3	27.0	3.57	37.5	27.7	3.64	37.6
	35	264	21.2	2.51	36.3	23.4	2.96	36.4	25.2	3.30	36.5	27.0	3.46	36.7	27.7	3.52	36.7
	40	88	18.9	2.92	43.6	20.9	3.44	44.0	22.4	3.83	44.3	24.0	4.02	44.6	24.7	4.10	44.7
	40	176	19.1	2.87	41.8	21.0	3.38	42.0	22.6	3.77	42.1	24.2	3.95	42.3	24.9	4.03	42.4
	40	264	19.3	2.78	41.2	21.3	3.28	41.3	22.9	3.65	41.4	24.6	3.83	41.5	25.2	3.90	41.6
	45	88	17.0	3.18	48.3	18.7	3.75	48.7	20.1	4.17	49.0	21.6	4.38	49.2	22.1	4.46	49.3
	45	176	17.1	3.13	46.6	18.9	3.68	46.8	20.3	4.10	47.0	21.8	4.30	47.1	22.3	4.38	47.2
	45	264	17.4	3.03	46.1	19.2	3.57	46.2	20.6	3.98	46.3	22.1	4.17	46.4	22.6	4.25	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	88	68.3	14.60	-3.7	67.2	13.94	-3.7	65.1	13.58	-3.4	61.1	12.59	-2.9	58.9	11.64	-2.7
	5	176	70.3	14.49	0.5	68.7	14.05	0.6	66.4	13.80	0.7	62.2	12.76	1.0	59.8	11.79	1.1
	5	264	70.8	15.01	2.0	69.2	14.51	2.0	66.7	14.06	2.1	62.7	13.03	2.3	60.5	12.24	2.4
	10	88	68.7	13.07	0.9	67.4	12.48	1.0	65.1	12.25	1.4	61.1	11.35	1.9	58.9	10.55	2.1
	10	176	70.3	12.96	5.3	68.7	12.51	5.4	66.4	12.34	5.6	62.2	11.32	5.9	59.8	10.54	6.0
	10	264	70.8	13.23	6.9	69.4	12.79	6.9	67.1	12.41	7.0	62.7	11.40	7.2	60.5	10.75	7.3
	15	88	69.0	11.69	5.7	67.8	11.08	5.8	66.8	11.14	5.9	62.1	10.11	6.5	59.5	9.51	6.9
	15	176	71.2	11.21	10.1	69.7	10.89	10.2	69.0	11.06	10.3	64.1	9.82	10.6	61.2	9.17	10.8
	15	264	71.7	11.62	11.7	70.8	11.27	11.8	70.2	11.06	11.8	65.2	9.79	12.0	62.5	9.57	12.1
	20	88	71.5	10.74	10.1	70.3	10.15	10.2	69.3	10.08	10.3	64.5	9.02	11.0	61.5	8.96	11.4
	20	176	73.8	10.33	14.8	72.6	10.17	14.9	71.3	10.12	15.0	66.5	9.31	15.3	63.7	9.00	15.5
	20	264	74.4	10.45	16.5	73.3	10.12	16.6	72.8	10.15	16.6	67.4	9.12	16.8	64.4	8.99	17.0
	25	88	74.9	10.27	14.5	73.1	9.86	14.7	72.4	9.82	14.8	67.7	8.93	15.4	65.0	8.54	15.8
	25	176	74.9	10.12	19.7	73.1	9.79	19.8	72.4	9.64	19.9	67.7	8.79	20.2	65.0	8.59	20.4
	25	264	74.9	9.91	21.5	73.1	9.41	21.5	72.4	9.43	21.6	67.7	8.86	21.8	65.0	8.05	21.9
	30	88	74.9	9.98	19.4	73.1	9.40	19.6	72.4	9.42	19.7	67.7	8.40	20.3	65.0	8.48	20.8
	30	176	74.9	9.65	24.7	73.1	9.33	24.8	72.4	9.19	24.9	67.7	8.48	25.2	65.0	7.92	25.3
	30	264	74.9	9.44	26.4	73.1	8.95	26.5	72.4	8.96	26.6	67.7	7.91	26.8	65.0	8.25	26.9
	35	88	74.9	9.51	24.3	73.1	9.09	24.6	72.4	9.05	24.7	67.7	8.10	25.3	65.0	7.58	25.6
	35	176	74.9	9.19	29.6	73.1	8.88	29.8	72.4	8.88	29.8	67.7	8.00	30.1	65.0	7.40	30.3
	35	264	74.9	9.19	31.4	73.1	8.73	31.5	72.4	8.63	31.5	67.7	7.77	31.7	65.0	7.21	31.9
	40	88	74.9	9.19	29.3	73.1	8.78	29.5	72.4	8.72	29.6	67.7	7.79	30.2	65.0	7.47	30.6
	40	176	74.9	8.88	34.6	73.1	8.56	34.7	72.4	8.42	34.8	67.7	7.51	35.1	65.0	7.19	35.3
	40	264	74.9	8.63	36.4	73.1	8.35	36.5	72.4	8.42	36.5	67.7	7.51	36.7	65.0	7.19	36.9
	45	88	74.9	8.88	34.2	73.1	8.49	34.5	72.4	8.43	34.6	67.7	7.43	35.2	65.0	7.39	35.6
	45	176	74.9	8.58	39.6	73.1	8.26	39.7	72.4	7.95	39.8	67.7	6.95	40.0	65.0	6.96	40.3
	45	264	74.9	8.09	41.4	73.1	7.95	41.5	72.4	8.20	41.5	67.7	7.16	41.7	65.0	7.20	41.9
120	5	88	65.0	14.49	-3.2	64.0	13.89	-3.2	61.9	13.49	-2.9	58.3	12.41	-2.5	55.8	11.46	-2.2
	5	176	66.7	14.69	0.8	65.2	14.16	0.8	62.6	13.80	1.0	58.9	12.67	1.2	56.4	11.60	1.3
	5	264	67.2	14.83	2.2	64.7	14.32	2.3	63.0	14.06	2.3	59.3	12.92	2.5	56.8	11.85	2.6
	10	88	65.4	12.96	1.5	64.2	12.42	1.6	61.9	12.17	1.9	58.3	11.18	2.3	55.8	10.39	2.6
	10	176	66.7	13.14	5.6	65.2	12.61	5.7	62.6	12.34	5.9	58.9	11.24	6.1	56.4	10.37	6.2
	10	264	67.2	13.07	7.1	64.9	12.61	7.2	63.4	12.41	7.2	59.3	11.30	7.4	56.8	10.41	7.5
	15	88	65.8	11.48	6.2	64.4	10.98	6.3	63.5	10.97	6.4	59.1	9.96	7.0	56.3	9.35	7.4
	15	176	67.2	11.58	10.5	66.0	11.08	10.5	65.0	11.06	10.6	60.5	9.82	10.9	57.4	9.05	11.1
	15	264	67.7	11.32	11.9	66.0	10.92	12.0	65.7	11.06	12.0	61.2	9.79	12.2	58.1	9.05	12.3
	20	88	67.6	10.31	10.7	66.3	9.75	10.8	65.2	9.64	11.0	60.7	8.73	11.5	57.6	8.70	12.0
	20	176	69.3	10.19	15.2	67.9	9.96	15.3	66.4	9.89	15.4	62.1	9.00	15.7	59.1	8.48	15.9
	20	264	69.7	10.17	16.8	67.7	9.79	16.9	67.5	9.82	16.9	62.8	8.82	17.1	59.6	8.53	17.2
	25	88	70.4	9.71	15.1	68.3	9.14	15.4	67.1	9.10	15.5	62.8	8.22	16.1	60.1	7.83	16.5
	25	176	70.6	9.57	20.0	68.3	9.08	20.2	67.1	9.05	20.3	62.8	8.06	20.5	60.1	7.88	20.7
	25	264	70.9	9.03	21.6	68.3	8.72	21.8	67.1	8.80	21.8	62.8	8.34	22.0	60.1	7.37	22.1
	30	88	70.8	9.24	20.0	68.3	8.69	20.3	67.1	8.58	20.5	62.8	7.53	21.0	60.1	7.59	21.4
	30	176	70.8	8.94	25.0	68.3	8.48	25.1	67.1	8.42	25.2	62.8	7.59	25.5	60.1	7.08	25.7
	30	264	70.8	8.51	26.6	68.3	8.19	26.7	67.1	8.17	26.8	62.8	7.28	27.0	60.1	7.37	27.1
	35	88	70.8	8.79	24.9	68.3	8.22	25.2	67.1	8.11	25.4	62.8	7.23	26.0	60.1	6.72	26.3
	35	176	70.8	8.28	29.9	68.3	7.91	30.1	67.1	7.79	30.2	62.8	6.97	30.5	60.1	6.44	30.6
	35	264	70.8	8.14	31.6	68.3	7.83	31.7	67.1	7.79	31.8	62.8	6.97	32.0	60.1	6.44	32.1
	40	88	70.8	8.47	29.9	68.3	7.83	30.2	67.1	7.63	30.3	62.8	6.77	30.9	60.1	6.47	31.3
	40	176	70.8	7.82	34.9	68.3	7.47	35.0	67.1	7.32	35.1	62.8	6.50	35.4	60.1	6.19	35.6
	40	264	70.8	7.67	36.6	68.3	7.31	36.7	67.1	7.32	36.8	62.8	6.50	36.9	60.1	6.19	37.1
	45	88	70.8	8.18	34.8	68.3	7.43	35.1	67.1	7.18	35.2	62.8	6.27	35.8	60.1	6.21	36.2
	45	176	70.8	7.35	39.8	68.3	7.00	40.0	67.1	6.85	40.1	62.8	5.96	40.4	60.1	5.93	40.6
	45	264	70.8	7.21	41.6	68.3	6.81	41.7	67.1	6.85	41.7	62.8	5.96	41.9	60.1	5.93	42.1
110	5	88	62.2	14.64	-2.7	60.9	13.94	-2.6	58.6	13.53	-2.3	55.4	12.41	-2.0	52.5	11.46	-1.7
	5	176	63.5	14.75	1.0	61.6	14.16	1.1	59.2	13.80	1.3	55.7	12.67	1.5	52.9	11.60	1.6
	5	264	64.0	14.97	2.3	61.9	14.32	2.4	59.4	13.94	2.5	55.7	12.79	2.7	53.0	11.85	2.8
	10	88	62.6	13.10	1.9	61.0	12.48	2.1	58.6	12.20	2.4	55.4	11.18	2.8	52.5	10.39	3.1
	10	176	63.5	13.19	5.9	61.6	12.61	6.0	59.2	12.34	6.2	55.7	11.24	6.4	52.9	10.37	6.5
	10	264	64.0	13.19	7.2	62.1	12.61	7.3	59.7	12.30	7.4	55.7	11.18	7.6	53.0	10.41	7.7
	15	88	62.8	11.55	6.7	61.2	11.08	6.8	60.2	11.06	7.0	56.2	9.96	7.5	53.0	9.35	7.9
	15	176	63.8	11.48	10.7	62.1	11.08	10.8	60.9	11.06	10.9	56.7	9.82	11.2	53.7	9.05	11.4
	15	264	64.4	11.37	12.1	62.5	10.92	12.2	61.4	10.83	12.3	57.1	9.58	12.4	53.8	9.05	12.6
	20	88	64.0	10.01	11.2	62.3	9.60	11.4	61.1	9.50	11.6	56.7	8.59	12.2	53.7	8.42	12.6
	20	176	65.4	9.97	15.5	63.0	9.65	15.7	61.6	9.55	15.8	57.6	8.72	16.0	54.4	8.08	16.2
	20	264	66.0	10.08	17.0	63.9	9.60	17.1	62.3	9.50	17.1	57.9	8.32	17.3	54.9	8.08	17.5
	25	88	65.8	9.06	15.8	63.7	8.58	16.0	62.1	8.57	16.3	57.9	7.63	16.8	55.0	7.14	17.2
	25	176	66.3	9.01	20.3	63.7	8.44	20.5	62.1	8.42	20.6	57.9	7.49	20.9	55.0	7.15	21.1
	25	264	66.9	9.01	21.9	63.7	8.50	22.0	62.1	8.17	22.1	57.9	7.75	22.3	55.0	6.68	22.4
	30	88	66.7	8.24	20.5	63.7	7.83	20.9	62.1	7.63	21.1	57.9	6.83	21.7	55.0	6.57	22.1
	30	176	66.7	8.10	25.2	63.7	7.67	25.4	62.1	7.47	25.5	57.9	6.85	25.8	55.0	6.22	26.0
	30	264	66.7	8.01	26.8	63.7	7.45	26.9	62.1	7.23	27.0	57.9	6.38	27.2	55.0	6.48	27.4
	35	88	66.7	7.79	25.4	63.7	7.21	25.8	62.1	7.02	26.0	57.9	6.22	26.6	55.0	5.75	27.0
	35	176	66.7	7.47	30.2	63.7	7.07	30.4	62.1	6.84	30.5	57.9	6.10	30.8	55.0	5.59	31.0
	35	264	66.7	7.19	31.8	63.7	6.83	31.9	62.1	6.63	32.0	57.9	6.10	32.2	55.0	5.59	32.3
	40	88	66.7	7.31	30.3	63.7	6.91	30.7	62.1	6.55	30.9	57.9	5.76	31.5	55.0	5.45	31.9
	40	176	66.7	7.02	35.1	63.7	6.60	35.3	62.1	6.23	35.4	57.9	5.62	35.7	55.0	5.33	36.0
	40	264	66.7	6.86	36.8	63.7	6.36	36.9	62.1	6.23	37.0	57.9	5.40	37.1	55.0	5.10	37.3
	45	88	66.7	6.84	35.3	63.7	6.60	35.7	62.1	6.07	35.9	57.9	5.29	36.4	55.0	5.16	36.9
	45	176	66.7	6.54	40.1	63.7	6.14	40.3	62.1	5.60	40.4	57.9	5.10	40.7	55.0	5.04	40.9
	45	264	66.7	6.55	41.7	63.7	5.90	41.9	62.1	5.85	41.9	57.9	4.68	42.1	55.0	4.58	42.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	88	59.4	14.69	-2.3	57.3	14.12	-2.0	55.2	13.57	-1.8	52.1	12.44	-1.5	49.2	11.32	-1.2
	5	176	60.3	14.95	1.3	57.8	14.36	1.5	55.4	13.84	1.6	52.1	12.70	1.8	49.2	11.55	1.9
	5	264	60.8	15.09	2.5	58.0	14.52	2.6	55.3	13.98	2.8	52.1	12.82	2.9	49.2	11.65	3.0
	10	88	59.8	13.14	2.4	57.4	12.63	2.7	55.2	12.24	3.0	52.1	11.22	3.3	49.2	10.27	3.7
	10	176	60.3	13.37	6.2	57.8	12.79	6.3	55.4	12.38	6.5	52.1	11.27	6.7	49.2	10.32	6.8
	10	264	60.8	13.30	7.4	58.2	12.79	7.5	55.6	12.34	7.7	52.1	11.22	7.8	49.2	10.23	7.9
	15	88	59.9	11.58	7.1	57.8	11.17	7.4	56.7	11.09	7.6	52.9	9.99	8.0	49.6	9.23	8.4
	15	176	60.3	11.81	11.1	57.8	11.20	11.2	56.7	11.09	11.3	52.9	9.85	11.5	49.6	9.07	11.7
	15	264	61.0	11.51	12.3	58.3	11.06	12.4	56.7	10.86	12.5	52.9	9.61	12.6	49.6	8.85	12.8
	20	88	60.5	9.90	11.8	58.0	9.47	12.1	56.7	9.37	12.3	52.9	8.47	12.8	49.6	8.00	13.2
	20	176	61.3	9.98	15.8	58.2	9.56	16.0	56.7	9.37	16.1	52.9	8.47	16.4	49.6	7.69	16.6
	20	264	61.9	9.81	17.2	59.0	9.39	17.3	56.7	9.12	17.4	52.9	8.07	17.6	49.6	7.47	17.7
	25	88	61.2	8.63	16.4	58.9	8.18	16.7	56.7	7.97	17.1	52.9	7.09	17.5	49.6	6.46	18.0
	25	176	62.1	8.65	20.7	58.9	8.00	20.9	56.7	7.81	21.0	52.9	6.93	21.3	49.6	6.46	21.5
	25	264	62.6	8.37	22.1	58.9	7.92	22.2	56.7	7.58	22.3	52.9	6.93	22.5	49.6	6.22	22.6
	30	88	62.4	7.81	21.1	58.9	7.09	21.6	56.7	6.72	21.9	52.9	6.00	22.4	49.6	5.70	22.8
	30	176	62.4	7.65	25.5	58.9	6.93	25.8	56.7	6.65	25.9	52.9	6.00	26.2	49.6	5.53	26.4
	30	264	62.4	7.42	27.0	58.9	6.93	27.2	56.7	6.51	27.3	52.9	5.76	27.4	49.6	5.53	27.6
	35	88	62.4	7.19	26.0	58.9	6.46	26.5	56.7	5.93	26.7	52.9	5.38	27.3	49.6	4.91	27.7
	35	176	62.4	6.86	30.5	58.9	6.15	30.7	56.7	5.86	30.9	52.9	5.24	31.1	49.6	4.77	31.3
	35	264	62.4	6.86	32.0	58.9	6.15	32.1	56.7	5.74	32.2	52.9	5.24	32.4	49.6	4.77	32.6
	40	88	62.4	6.72	30.9	58.9	6.00	31.4	56.7	5.32	31.6	52.9	4.77	32.2	49.6	4.46	32.6
	40	176	62.4	6.40	35.4	58.9	5.70	35.7	56.7	5.25	35.8	52.9	4.61	36.1	49.6	4.32	36.3
	40	264	62.4	6.18	36.9	58.9	5.70	37.1	56.7	5.11	37.2	52.9	4.61	37.4	49.6	4.32	37.5
	45	88	62.4	6.25	35.9	58.9	5.53	36.3	56.7	4.69	36.5	52.9	4.15	37.1	49.6	3.99	37.6
	45	176	62.4	5.93	40.4	58.9	5.24	40.6	56.7	4.61	40.8	52.9	3.99	41.0	49.6	3.85	41.3
	45	264	62.4	5.47	41.9	58.9	5.24	42.1	56.7	4.47	42.2	52.9	3.99	42.3	49.6	3.85	42.5
90	5	88	53.1	13.05	-1.5	51.4	12.32	-1.4	49.8	11.63	-1.2	45.7	10.68	-0.7	42.0	9.58	-0.3
	5	176	53.5	13.28	1.7	51.2	12.56	1.9	49.8	11.86	1.9	45.7	10.91	2.2	42.0	9.77	2.4
	5	264	53.8	13.40	2.8	51.5	12.67	2.9	49.8	11.99	2.9	45.7	11.01	3.1	42.0	9.89	3.3
	10	88	53.5	11.47	3.2	51.5	10.92	3.4	49.8	10.49	3.6	45.7	9.63	4.1	42.0	8.70	4.6
	10	176	53.3	11.51	6.6	51.4	10.97	6.7	49.8	10.53	6.8	45.7	9.60	7.1	42.0	8.72	7.3
	10	264	53.8	11.47	7.7	51.5	10.92	7.8	49.8	10.49	7.9	45.7	9.65	8.0	42.0	8.77	8.2
	15	88	53.6	9.90	7.9	51.7	9.53	8.1	49.8	9.36	8.4	46.6	8.58	8.8	44.3	7.82	9.1
	15	176	53.3	9.73	11.5	51.4	9.38	11.6	49.8	9.20	11.7	46.6	8.29	11.9	44.3	7.67	12.0
	15	264	53.8	9.53	12.6	51.5	9.18	12.7	49.8	8.96	12.8	46.6	8.29	12.9	44.3	7.67	13.0
	20	88	54.0	8.38	12.6	51.9	8.13	12.9	49.8	7.98	13.2	46.6	7.36	13.6	44.3	6.91	13.9
	20	176	53.8	8.38	16.3	51.5	8.03	16.5	50.8	7.98	16.5	46.6	7.07	16.8	44.3	6.60	16.9
	20	264	54.0	8.18	17.5	51.7	7.94	17.6	50.8	7.98	17.7	46.6	7.07	17.9	44.3	6.60	18.0
	25	88	55.1	7.32	17.2	52.6	6.93	17.6	50.8	6.87	17.9	46.6	6.13	18.4	44.3	5.69	18.7
	25	176	55.6	7.25	21.1	52.6	6.86	21.3	50.8	6.73	21.4	46.6	5.98	21.7	44.3	5.51	21.8
	25	264	55.9	6.96	22.3	52.6	6.62	22.5	50.8	6.73	22.6	46.6	5.98	22.8	44.3	5.51	22.9
	30	88	55.8	6.61	22.0	52.6	6.17	22.4	50.8	5.94	22.7	46.6	5.36	23.3	44.3	4.89	23.6
	30	176	55.8	6.47	26.0	52.6	6.02	26.2	50.8	5.80	26.3	46.6	5.22	26.6	44.3	4.89	26.8
	30	264	55.8	6.24	27.3	52.6	5.78	27.5	50.8	5.80	27.6	46.6	5.22	27.8	44.3	4.69	27.8
	35	88	55.8	6.02	26.9	52.6	5.58	27.3	50.8	5.32	27.6	46.6	4.76	28.2	44.3	4.45	28.5
	35	176	55.8	6.13	31.0	52.6	5.41	31.2	50.8	5.17	31.3	46.6	4.60	31.6	44.3	4.45	31.8
	35	264	55.8	5.63	32.3	52.6	5.51	32.4	50.8	4.92	32.5	46.6	4.60	32.7	44.3	4.45	32.8
	40	88	55.8	5.58	31.8	52.6	5.12	32.3	50.8	4.69	32.5	46.6	4.31	33.1	44.3	3.98	33.4
	40	176	55.8	5.26	35.9	52.6	4.97	36.1	50.8	4.53	36.2	46.6	4.14	36.5	44.3	3.84	36.7
	40	264	55.8	5.26	37.3	52.6	4.97	37.4	50.8	4.53	37.5	46.6	4.14	37.7	44.3	3.98	37.8
	45	88	55.8	5.12	36.8	52.6	4.66	37.2	50.8	4.06	37.4	46.6	3.84	38.0	44.3	3.52	38.4
	45	176	55.8	4.66	40.8	52.6	4.51	41.1	50.8	3.92	41.2	46.6	3.69	41.5	44.3	3.38	41.7
	45	264	55.8	5.36	42.3	52.6	4.75	42.4	50.8	4.13	42.5	46.6	3.69	42.7	44.3	3.38	42.8
80	5	88	50.9	10.82	-1.5	47.6	10.22	-1.1	45.6	9.71	-0.8	42.5	8.86	-0.5	39.0	7.95	-0.1
	5	176	50.9	11.02	1.8	47.6	10.41	2.0	45.7	9.91	2.1	42.5	9.05	2.3	39.0	8.10	2.5
	5	264	50.9	11.11	2.8	47.6	10.51	3.0	45.6	10.01	3.1	42.5	9.13	3.2	39.0	8.20	3.3
	10	88	50.9	9.52	3.3	47.6	9.05	3.7	45.6	8.76	4.0	42.5	7.99	4.4	39.0	7.22	4.8
	10	176	50.9	9.54	6.6	47.6	9.10	6.9	45.7	8.83	7.0	42.5	7.96	7.2	39.0	7.23	7.4
	10	264	50.9	9.52	7.8	47.6	9.05	7.9	45.8	8.81	8.0	42.5	8.00	8.1	39.0	7.27	8.3
	15	88	50.9	8.21	8.0	47.6	7.90	8.5	46.3	7.89	8.7	42.7	7.12	9.2	40.2	6.49	9.5
	15	176	50.9	8.07	11.5	47.6	7.78	11.8	46.3	7.83	11.9	42.7	6.87	12.1	40.2	6.36	12.2
	15	264	50.9	7.90	12.7	47.6	7.61	12.8	46.3	7.65	12.9	42.7	6.87	13.1	40.2	6.36	13.2
	20	88	50.9	6.95	12.8	47.6	6.74	13.3	46.3	6.69	13.6	42.7	6.10	14.0	40.2	5.73	14.4
	20	176	50.9	6.95	16.4	47.6	6.66	16.7	46.3	6.75	16.8	42.7	5.86	17.0	40.2	5.47	17.2
	20	264	50.9	6.78	17.6	47.6	6.59	17.8	46.3	6.65	17.8	42.7	5.86	18.0	40.2	5.47	18.1
	25	88	51.2	6.07	17.7	47.9	5.75	18.1	46.3	5.72	18.4	42.7	5.09	18.9	40.2	4.72	19.2
	25	176	51.2	6.01	21.3	47.9	5.69	21.6	46.3	5.60	21.7	42.7	4.96	21.9	40.2	4.57	22.1
	25	264	51.2	5.77	22.5	47.9	5.49	22.7	46.3	5.51	22.8	42.7	4.96	23.0	40.2	4.57	23.1
	30	88	51.2	5.48	22.6	47.9	5.12	23.0	46.3	4.88	23.3	42.7	4.44	23.8	40.2	4.06	24.1
	30	176	51.2	5.37	26.3	47.9	4.99	26.5	46.3	4.80	26.6	42.7	4.33	26.9	40.2	4.06	27.1
	30	264	51.2	5.17	27.5	47.9	4.79	27.7	46.3	4.74	27.7	42.7	4.33	27.9	40.2	3.89	28.0
	35	88	51.2	4.99	27.5	47.9	4.62	28.0	46.3	4.33	28.2	42.7	3.94	28.7	40.2	3.69	29.0
	35	176	51.2	5.09	31.2	47.9	4.48	31.5	46.3	4.25	31.6	42.7	3.82	31.8	40.2	3.69	32.0
	35	264	51.2	4.67	32.5	47.9	4.57	32.6	46.3	4.11	32.7	42.7	3.82	32.9	40.2	3.69	33.0
	40	88	51.2	4.62	32.4	47.9	4.25	32.9	46.3	3.86	33.1	42.7	3.57	33.6	40.2	3.30	34.0
	40	176	51.2	4.36	36.2	47.9	4.12	36.4	46.3	3.77	36.5	42.7	3.43	36.8	40.2	3.19	37.0
	40	264	51.2	4.36	37.5	47.9	4.12	37.6	46.3	3.71	37.7	42.7	3.43	37.9	40.2	3.30	38.0
	45	88	51.2	4.36	37.4	47.9	4.12	37.9	46.3	3.54	38.0	42.7	3.43	38.6	40.2	3.30	39.0
	45	176	51.2	4.36	41.2	47.9	4.12	41.4	46.3	3.51	41.5	42.7	3.43	41.8	40.2	3.30	42.0
	45	264	51.2	4.36	42.5	47.9	4.12	42.6	46.3	3.46	42.7	42.7	3.43	42.9	40.2	3.30	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	88	44.0	9.07	-0.7	41.2	8.57	-0.3	40.0	8.09	-0.2	36.7	7.43	0.2	33.7	6.66	0.6
	5	176	44.0	9.24	2.2	41.2	8.73	2.4	40.0	8.25	2.4	36.7	7.59	2.6	33.7	6.80	2.8
	5	264	44.0	9.32	3.1	41.2	8.81	3.2	40.0	8.34	3.3	36.7	7.66	3.4	33.7	6.88	3.5
	10	88	44.0	7.98	4.1	41.2	7.59	4.5	40.0	7.30	4.7	36.7	6.70	5.1	33.7	6.05	5.5
	10	176	44.0	8.00	7.1	41.2	7.63	7.3	40.0	7.32	7.3	36.7	6.68	7.6	33.7	6.06	7.7
	10	264	44.0	7.98	8.0	41.2	7.59	8.2	40.0	7.30	8.2	36.7	6.71	8.4	33.7	6.10	8.5
	15	88	44.0	6.89	9.0	41.2	6.63	9.4	40.0	6.51	9.6	36.9	5.97	10.0	34.8	5.44	10.2
	15	176	44.0	6.77	12.0	41.2	6.52	12.2	40.0	6.40	12.3	36.9	5.76	12.5	34.8	5.33	12.6
	15	264	44.0	6.63	13.0	41.2	6.38	13.1	40.0	6.23	13.2	36.9	5.76	13.3	34.8	5.33	13.4
	20	88	44.0	5.83	13.8	41.2	5.65	14.2	40.0	5.55	14.4	36.9	5.12	14.8	34.8	4.81	15.1
	20	176	44.0	5.83	16.9	41.2	5.58	17.1	40.0	5.66	17.2	36.9	4.91	17.4	34.8	4.59	17.5
	20	264	44.0	5.69	17.9	41.2	5.52	18.1	40.0	5.66	18.1	36.9	4.91	18.3	34.8	4.59	18.4
	25	88	44.2	5.09	18.6	41.4	4.82	19.0	40.0	4.78	19.3	36.9	4.27	19.7	34.8	3.95	20.0
	25	176	44.2	5.04	21.8	41.4	4.77	22.0	40.0	4.68	22.1	36.9	4.16	22.3	34.8	3.84	22.5
	25	264	44.2	4.84	22.9	41.4	4.61	23.0	40.0	4.68	23.1	36.9	4.16	23.2	34.8	3.84	23.3
	30	88	44.2	4.60	23.5	41.4	4.29	24.0	40.0	4.13	24.2	36.9	3.73	24.6	34.8	3.40	24.9
	30	176	44.2	4.50	26.8	41.4	4.18	27.0	40.0	4.03	27.1	36.9	3.63	27.3	34.8	3.40	27.4
	30	264	44.2	4.34	27.8	41.4	4.02	28.0	40.0	4.03	28.0	36.9	3.63	28.2	34.8	3.26	28.3
	35	88	44.2	4.18	28.5	41.4	3.88	28.9	40.0	3.70	29.1	36.9	3.31	29.5	34.8	3.09	29.8
	35	176	44.2	4.27	31.7	41.4	3.76	31.9	40.0	3.59	32.0	36.9	3.20	32.3	34.8	3.09	32.4
	35	264	44.2	3.91	32.8	41.4	3.84	33.0	40.0	3.42	33.0	36.9	3.20	33.2	34.8	3.09	33.3
	40	88	44.2	3.88	33.4	41.4	3.56	33.8	40.0	3.26	34.0	36.9	3.00	34.5	34.8	2.77	34.8
	40	176	44.2	3.66	36.7	41.4	3.46	36.9	40.0	3.15	37.0	36.9	2.88	37.2	34.8	2.67	37.4
	40	264	44.2	3.66	37.8	41.4	3.46	37.9	40.0	3.15	38.0	36.9	2.88	38.2	34.8	2.77	38.3
	45	88	44.2	3.66	38.4	41.4	3.46	38.8	40.0	3.15	39.0	36.9	2.88	39.5	34.8	2.77	39.8
	45	176	44.2	3.66	41.7	41.4	3.46	41.9	40.0	3.15	42.0	36.9	2.88	42.2	34.8	2.77	42.4
	45	264	44.2	3.66	42.8	41.4	3.46	42.9	40.0	3.15	43.0	36.9	2.88	43.2	34.8	2.77	43.3
60	5	88	37.6	7.26	0.1	35.2	6.86	0.4	34.2	6.47	0.5	31.4	5.95	0.9	28.8	5.33	1.2
	5	176	37.6	7.39	2.5	35.2	6.99	2.7	34.2	6.60	2.8	31.4	6.07	2.9	28.8	5.44	3.1
	5	264	37.6	7.46	3.4	35.2	7.05	3.5	34.2	6.67	3.5	31.4	6.13	3.6	28.8	5.50	3.7
	10	88	37.6	6.39	4.9	35.2	6.08	5.3	34.2	5.84	5.4	31.4	5.36	5.8	28.8	4.84	6.1
	10	176	37.6	6.40	7.5	35.2	6.10	7.6	34.2	5.86	7.7	31.4	5.34	7.9	28.8	4.85	8.0
	10	264	37.6	6.39	8.3	35.2	6.08	8.4	34.2	5.84	8.5	31.4	5.37	8.6	28.8	4.88	8.7
	15	88	37.6	5.51	9.8	35.2	5.30	10.1	34.2	5.21	10.3	31.6	4.78	10.6	29.8	4.35	10.9
	15	176	37.6	5.42	12.4	35.2	5.22	12.6	34.2	5.12	12.6	31.6	4.61	12.8	29.8	4.27	12.9
	15	264	37.6	5.30	13.2	35.2	5.11	13.4	34.2	4.99	13.4	31.6	4.61	13.5	29.8	4.27	13.6
	20	88	37.6	4.66	14.6	35.2	4.52	15.0	34.2	4.44	15.2	31.6	4.09	15.5	29.8	3.85	15.8
	20	176	37.6	4.66	17.3	35.2	4.47	17.5	34.2	4.53	17.6	31.6	3.93	17.7	29.8	3.67	17.9
	20	264	37.6	4.55	18.2	35.2	4.42	18.3	34.2	4.53	18.4	31.6	3.93	18.5	29.8	3.67	18.6
	25	88	37.8	4.07	19.5	35.4	3.86	19.9	34.2	3.82	20.1	31.6	3.41	20.4	29.8	3.16	20.7
	25	176	37.8	4.03	22.2	35.4	3.82	22.4	34.2	3.75	22.5	31.6	3.33	22.7	29.8	3.07	22.8
	25	264	37.8	3.87	23.2	35.4	3.69	23.3	34.2	3.75	23.3	31.6	3.33	23.5	29.8	3.07	23.6
	30	88	37.8	3.68	24.4	35.4	3.43	24.8	34.2	3.31	25.0	31.6	2.98	25.3	29.8	2.72	25.6
	30	176	37.8	3.60	27.2	35.4	3.35	27.4	34.2	3.23	27.5	31.6	2.91	27.7	29.8	2.72	27.8
	30	264	37.8	3.47	28.1	35.4	3.22	28.3	34.2	3.23	28.3	31.6	2.91	28.4	29.8	2.61	28.5
	35	88	37.8	3.35	29.4	35.4	3.10	29.7	34.2	2.96	29.9	31.6	2.65	30.3	29.8	2.47	30.6
	35	176	37.8	3.41	32.2	35.4	3.01	32.4	34.2	2.87	32.4	31.6	2.56	32.6	29.8	2.47	32.8
	35	264	37.8	3.13	33.1	35.4	3.07	33.2	34.2	2.74	33.3	31.6	2.56	33.4	29.8	2.47	33.5
	40	88	37.8	3.10	34.3	35.4	2.85	34.7	34.2	2.61	34.9	31.6	2.40	35.2	29.8	2.22	35.5
	40	176	37.8	2.92	37.2	35.4	2.76	37.3	34.2	2.52	37.4	31.6	2.30	37.6	29.8	2.14	37.8
	40	264	37.8	2.92	38.1	35.4	2.76	38.2	34.2	2.52	38.3	31.6	2.30	38.4	29.8	2.22	38.5
	45	88	37.8	2.92	39.3	35.4	2.76	39.7	34.2	2.52	39.8	31.6	2.30	40.2	29.8	2.22	40.5
	45	176	37.8	2.92	42.2	35.4	2.76	42.3	34.2	2.52	42.4	31.6	2.30	42.6	29.8	2.22	42.8
	45	264	37.8	2.92	43.1	35.4	2.76	43.2	34.2	2.52	43.3	31.6	2.30	43.4	29.8	2.22	43.5
50	5	88	31.3	5.74	0.8	29.0	5.41	1.2	28.0	5.15	1.3	26.1	4.73	1.5	24.4	4.28	1.7
	5	176	31.3	5.84	2.9	29.1	5.50	3.1	28.1	5.26	3.1	26.1	4.83	3.3	24.4	4.36	3.4
	5	264	31.3	5.90	3.6	29.2	5.56	3.7	28.0	5.31	3.8	26.1	4.88	3.8	24.4	4.41	3.9
	10	88	31.3	5.05	5.7	29.0	4.82	6.1	28.0	4.65	6.2	26.1	4.26	6.4	24.4	3.88	6.7
	10	176	31.3	5.06	7.9	29.1	4.86	8.0	28.1	4.69	8.1	26.1	4.27	8.2	24.4	3.90	8.3
	10	264	31.3	5.05	8.6	29.2	4.85	8.7	28.1	4.67	8.7	26.1	4.27	8.8	24.4	3.89	8.9
	15	88	31.3	4.36	10.6	29.1	4.23	10.9	28.4	4.18	11.0	26.4	3.80	11.3	24.8	3.49	11.5
	15	176	31.3	4.28	12.8	29.1	4.21	13.0	28.4	4.15	13.0	26.4	3.71	13.2	24.8	3.43	13.3
	15	264	31.3	4.19	13.5	29.3	4.14	13.6	28.4	4.06	13.7	26.4	3.66	13.8	24.8	3.38	13.8
	20	88	31.3	3.69	15.5	29.2	3.60	15.8	28.4	3.55	15.9	26.4	3.24	16.2	24.8	3.05	16.5
	20	176	31.3	3.69	17.8	29.2	3.60	17.9	28.4	3.58	18.0	26.4	3.18	18.1	24.8	2.92	18.2
	20	264	31.3	3.60	18.5	29.5	3.55	18.6	28.4	3.53	18.6	26.4	3.09	18.7	24.8	2.88	18.8
	25	88	31.5	3.22	20.4	29.5	3.09	20.7	28.4	3.03	20.9	26.4	2.70	21.1	24.8	2.48	21.4
	25	176	31.5	3.19	22.7	29.5	3.04	22.8	28.4	2.97	22.9	26.4	2.64	23.1	24.8	2.45	23.2
	25	264	31.5	3.06	23.5	29.5	2.98	23.6	28.4	2.92	23.6	26.4	2.64	23.7	24.8	2.40	23.8
	30	88	31.5	2.91	25.4	29.5	2.71	25.6	28.4	2.59	25.8	26.4	2.32	26.1	24.8	2.17	26.3
	30	176	31.5	2.85	27.7	29.5	2.65	27.8	28.4	2.55	27.9	26.4	2.29	28.0	24.8	2.13	28.2
	30	264	31.5	2.74	28.4	29.5	2.60	28.5	28.4	2.52	28.6	26.4	2.29	28.7	24.8	2.09	28.8
	35	88	31.5	2.65	30.3	29.5	2.46	30.6	28.4	2.30	30.7	26.4	2.20	31.1	24.8	1.91	31.3
	35	176	31.5	2.70	32.7	29.5	2.36	32.8	28.4	2.27	32.9	26.4	2.17	33.0	24.8	1.91	33.1
	35	264	31.5	2.48	33.4	29.5	2.38	33.5	28.4	2.22	33.6	26.4	2.17	33.7	24.8	1.91	33.8
	40	88	31.5	2.45	35.3	29.5	2.27	35.6	28.4	2.18	35.7	26.4	2.11	36.0	24.8	1.82	36.3
	40	176	31.5	2.31	37.6	29.5	2.18	37.8	28.4	2.15	37.9	26.4	2.08	38.0	24.8	1.79	38.1
	40	264	31.5	2.31	38.4	29.5	2.18	38.5	28.4	2.15	38.6	26.4	2.08	38.7	24.8	1.82	38.8
	45	88	31.5	2.31	40.3	29.5	2.14	40.5	28.4	2.02	40.7	26.4	1.81	41.0	24.8	1.82	41.3
	45	176	31.5	2.31	42.6	29.5	2.14	42.8	28.4	2.02	42.8	26.4	1.81	43.0	24.8	1.82	43.1
	45	264	31.5	2.31	43.4	29.5	2.14	43.5	28.4	2.02	43.6	26.4	1.81	43.7	24.8	1.82	43.8

12. Capacity Table

1-6. AM200FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	95	56.4	4.11	19.1	62.0	4.90	20.1	66.6	5.36	20.9	71.5	5.69	21.6	73.4	5.76	21.9
	10	190	56.4	3.81	14.5	62.0	4.52	15.0	66.6	5.11	15.4	71.5	5.37	15.8	73.4	5.37	15.9
	10	285	56.4	3.75	13.0	62.0	4.51	13.3	66.6	4.84	13.6	71.5	5.27	13.9	73.4	5.39	14.0
	15	95	55.4	5.31	24.2	61.0	6.28	25.1	65.6	6.98	26.0	70.3	7.32	26.7	72.2	7.48	27.0
	15	190	55.4	4.95	19.6	61.0	5.82	20.0	65.6	6.50	20.4	70.3	6.84	20.8	72.2	6.99	21.0
	15	285	55.4	4.81	18.0	61.0	5.68	18.4	65.6	6.29	18.6	70.3	6.60	18.9	72.2	6.80	19.0
	20	95	54.6	6.33	29.2	60.2	7.40	30.2	64.8	8.26	31.0	69.3	8.66	31.8	71.2	8.85	32.1
	20	190	54.6	6.20	24.6	60.2	7.29	25.1	64.8	8.15	25.5	69.3	8.56	25.9	71.2	8.73	26.0
	20	285	54.6	5.99	23.0	60.2	7.07	23.4	64.8	7.90	23.7	69.3	8.24	23.9	71.2	8.50	24.0
	25	95	54.6	7.94	34.4	60.2	9.35	35.5	64.8	10.41	36.3	69.3	10.95	37.1	71.2	11.12	37.4
	25	190	54.6	7.42	29.7	60.2	8.73	30.2	64.8	9.71	30.6	69.3	10.23	31.0	71.2	10.39	31.2
	25	285	54.6	7.14	28.1	60.2	8.45	28.5	64.8	9.40	28.7	69.3	9.86	29.0	71.2	10.14	29.1
	30	95	54.6	9.32	39.6	60.2	10.95	40.7	64.8	12.23	41.6	69.3	12.82	42.4	71.2	13.04	42.7
	30	190	54.6	9.16	34.8	60.2	10.78	35.4	64.8	12.00	35.8	69.3	12.63	36.2	71.2	12.89	36.3
	30	285	54.6	8.87	33.2	60.2	10.44	33.6	64.8	11.64	33.8	69.3	12.22	34.1	71.2	12.54	34.2
	35	95	51.6	9.70	44.2	57.0	11.42	45.3	61.3	12.74	46.2	65.8	13.34	46.9	67.3	13.57	47.2
	35	190	51.6	9.51	39.6	57.0	11.23	40.1	61.3	12.51	40.6	65.8	13.15	41.0	67.3	13.42	41.1
	35	285	51.6	9.26	38.1	57.0	10.89	38.4	61.3	12.10	38.7	65.8	12.72	38.9	67.3	13.07	39.0
	40	95	43.2	10.10	48.0	47.5	11.88	49.0	51.2	13.25	49.7	54.8	13.90	50.4	56.4	14.18	50.6
	40	190	43.5	9.93	44.0	47.9	11.70	44.5	51.6	13.01	44.9	55.3	13.69	45.2	56.8	13.99	45.3
	40	285	44.2	9.62	42.7	48.6	11.30	43.0	52.4	12.63	43.3	56.1	13.25	43.5	57.7	13.65	43.6
	45	95	36.0	10.42	52.0	39.5	12.28	52.8	42.5	13.69	53.5	45.5	14.34	54.0	46.8	14.64	54.3
	45	190	36.3	10.25	48.5	39.9	12.07	48.9	42.8	13.44	49.2	45.9	14.17	49.5	47.2	14.45	49.6
	45	285	36.8	9.92	47.4	40.4	11.66	47.6	43.4	13.05	47.8	46.6	13.68	48.0	47.8	14.11	48.1
120	10	95	53.4	3.91	18.6	58.8	4.64	19.6	63.2	5.09	20.3	67.7	5.38	21.0	69.4	5.45	21.3
	10	190	53.4	3.65	14.3	58.8	4.33	14.8	63.2	4.84	15.1	67.7	5.08	15.5	69.4	5.08	15.6
	10	285	53.4	3.48	12.9	58.8	4.27	13.2	63.2	4.57	13.4	67.7	4.99	13.7	69.4	5.15	13.7
	15	95	52.8	5.08	23.7	58.0	5.99	24.6	62.4	6.69	25.4	66.9	7.01	26.1	68.6	7.13	26.4
	15	190	52.8	4.74	19.3	58.0	5.58	19.8	62.4	6.23	20.2	66.9	6.53	20.5	68.6	6.66	20.7
	15	285	52.8	4.58	17.9	58.0	5.43	18.2	62.4	6.00	18.4	66.9	6.31	18.7	68.6	6.51	18.8
	20	95	52.2	6.08	28.8	57.3	7.12	29.7	61.8	7.94	30.5	66.3	8.34	31.3	68.0	8.51	31.5
	20	190	52.2	5.95	24.4	57.3	6.99	24.9	61.8	7.83	25.3	66.3	8.22	25.6	68.0	8.37	25.8
	20	285	52.2	5.78	22.9	57.3	6.81	23.2	61.8	7.59	23.5	66.3	7.93	23.7	68.0	8.16	23.8
	25	95	52.2	7.63	34.0	57.3	8.97	35.0	61.8	9.96	35.8	66.3	10.49	36.6	68.0	10.67	36.9
	25	190	52.2	7.09	29.5	57.3	8.37	30.0	61.8	9.32	30.4	66.3	9.78	30.7	68.0	9.96	30.9
	25	285	52.2	6.83	28.0	57.3	8.08	28.3	61.8	9.01	28.6	66.3	9.45	28.8	68.0	9.69	28.9
	30	95	52.2	9.00	39.2	57.3	10.59	40.3	61.8	11.80	41.1	66.3	12.38	41.9	68.0	12.60	42.2
	30	190	52.2	8.84	34.6	57.3	10.39	35.1	61.8	11.60	35.5	66.3	12.19	35.9	68.0	12.42	36.1
	30	285	52.2	8.55	33.1	57.3	10.07	33.4	61.8	11.24	33.7	66.3	11.82	33.9	68.0	12.09	34.0
	35	95	50.1	9.49	44.0	55.3	11.19	45.0	59.6	12.47	45.9	63.7	13.05	46.6	65.4	13.30	46.9
	35	190	50.1	9.31	39.5	55.3	10.99	40.0	59.6	12.25	40.4	63.7	12.87	40.8	65.4	13.12	40.9
	35	285	50.1	9.04	38.0	55.3	10.67	38.3	59.6	11.84	38.6	63.7	12.44	38.8	65.4	12.78	38.9
	40	95	42.8	10.08	48.0	47.1	11.86	48.9	50.8	13.23	49.7	54.2	13.88	50.3	55.8	14.16	50.6
	40	190	43.1	9.91	44.0	47.5	11.68	44.5	51.2	12.99	44.8	54.7	13.65	45.2	56.3	13.94	45.3
	40	285	43.8	9.60	42.7	48.2	11.32	43.0	52.0	12.61	43.2	55.5	13.25	43.5	57.1	13.58	43.6
	45	95	36.4	10.58	52.1	40.3	12.48	53.0	43.4	13.92	53.6	46.3	14.58	54.2	47.5	14.88	54.4
	45	190	36.7	10.42	48.6	40.6	12.26	49.0	43.8	13.67	49.3	46.7	14.36	49.6	47.9	14.66	49.7
	45	285	37.2	10.07	47.4	41.2	11.89	47.7	44.4	13.26	47.9	47.3	13.93	48.1	48.6	14.24	48.2
110	10	95	50.4	3.66	18.2	55.3	4.38	19.0	59.6	4.80	19.7	63.9	5.09	20.4	65.4	5.13	20.6
	10	190	50.4	3.42	14.1	55.3	4.06	14.5	59.6	4.56	14.8	63.9	4.82	15.2	65.4	4.77	15.3
	10	285	50.4	3.31	12.7	55.3	3.99	13.0	59.6	4.36	13.2	63.9	4.72	13.4	65.4	4.83	13.5
	15	95	50.0	4.83	23.3	54.9	5.72	24.2	59.2	6.38	24.9	63.5	6.68	25.6	65.2	6.82	25.9
	15	190	50.0	4.52	19.1	54.9	5.31	19.5	59.2	5.95	19.9	63.5	6.24	20.3	65.2	6.36	20.4
	15	285	50.0	4.37	17.7	54.9	5.16	18.0	59.2	5.76	18.3	63.5	6.02	18.5	65.2	6.18	18.6
	20	95	49.8	5.84	28.4	54.7	6.83	29.3	59.0	7.64	30.1	63.1	8.00	30.7	64.8	8.16	31.0
	20	190	49.8	5.72	24.2	54.7	6.71	24.6	59.0	7.51	25.0	63.1	7.89	25.4	64.8	8.03	25.5
	20	285	49.8	5.55	22.8	54.7	6.54	23.1	59.0	7.29	23.3	63.1	7.63	23.6	64.8	7.79	23.7
	25	95	49.8	7.30	33.6	54.7	8.58	34.6	59.0	9.55	35.3	63.1	10.02	36.0	64.8	10.20	36.3
	25	190	49.8	6.80	29.3	54.7	8.00	29.7	59.0	8.91	30.1	63.1	9.34	30.5	64.8	9.51	30.6
	25	285	49.8	6.55	27.8	54.7	7.72	28.1	59.0	8.62	28.4	63.1	9.04	28.6	64.8	9.23	28.7
	30	95	49.8	8.67	38.8	54.7	10.20	39.8	59.0	11.38	40.6	63.1	11.94	41.3	64.8	12.15	41.6
	30	190	49.8	8.53	34.4	54.7	10.03	34.9	59.0	11.17	35.3	63.1	11.74	35.6	64.8	11.95	35.8
	30	285	49.8	8.25	32.9	54.7	9.73	33.2	59.0	10.84	33.5	63.1	11.37	33.7	64.8	11.63	33.8
	35	95	48.7	9.28	43.7	53.8	10.94	44.8	57.7	12.20	45.5	62.0	12.76	46.3	63.5	13.01	46.5
	35	190	48.7	9.12	39.4	53.8	10.75	39.9	57.7	11.99	40.3	62.0	12.56	40.6	63.5	12.81	40.8
	35	285	48.7	8.84	37.9	53.8	10.42	38.2	57.7	11.58	38.5	62.0	12.18	38.7	63.5	12.45	38.8
	40	95	42.4	10.08	47.9	46.7	11.86	48.8	50.2	13.21	49.6	53.8	13.86	50.2	55.4	14.14	50.5
	40	190	42.7	9.88	44.0	47.1	11.66	44.4	50.6	12.99	44.8	54.3	13.63	45.1	55.9	13.90	45.3
	40	285	43.3	9.58	42.7	47.8	11.30	43.0	51.4	12.59	43.2	55.1	13.23	43.4	56.7	13.52	43.5
	45	95	37.1	10.78	52.2	40.9	12.68	53.1	44.0	14.14	53.8	47.2	14.82	54.4	48.4	15.12	54.6
	45	190	37.4	10.57	48.6	41.2	12.45	49.0	44.3	13.88	49.4	47.6	14.62	49.7	48.9	14.87	49.8
	45	285	38.0	10.22	47.4	41.8	12.09	47.7	45.0	13.47	47.9	48.3	14.16	48.1	49.6	14.43	48.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	95	47.2	3.47	17.6	52.1	4.08	18.5	56.0	4.55	19.1	60.1	4.77	19.8	61.6	4.86	20.0
	10	190	47.2	3.23	13.8	52.1	3.82	14.2	56.0	4.33	14.6	60.1	4.52	14.9	61.6	4.52	15.0
	10	285	47.2	3.12	12.5	52.1	3.75	12.8	56.0	4.09	13.0	60.1	4.44	13.2	61.6	4.50	13.3
	15	95	47.2	4.63	22.8	52.1	5.45	23.7	56.0	6.07	24.4	60.1	6.37	25.0	61.6	6.49	25.3
	15	190	47.2	4.31	18.9	52.1	5.08	19.3	56.0	5.66	19.7	60.1	5.94	20.0	61.6	6.05	20.1
	15	285	47.2	4.17	17.6	52.1	4.91	17.9	56.0	5.47	18.1	60.1	5.74	18.3	61.6	5.85	18.4
	20	95	47.2	5.58	28.0	52.1	6.57	28.9	56.0	7.32	29.6	60.1	7.68	30.2	61.6	7.82	30.5
	20	190	47.2	5.48	24.0	52.1	6.46	24.4	56.0	7.19	24.8	60.1	7.55	25.1	61.6	7.69	25.2
	20	285	47.2	5.31	22.6	52.1	6.26	22.9	56.0	6.97	23.2	60.1	7.31	23.4	61.6	7.45	23.5
	25	95	47.2	6.95	33.2	52.1	8.18	34.1	56.0	9.12	34.8	60.1	9.56	35.5	61.6	9.74	35.8
	25	190	47.2	6.48	29.0	52.1	7.63	29.5	56.0	8.50	29.9	60.1	8.91	30.2	61.6	9.08	30.3
	25	285	47.2	6.26	27.7	52.1	7.37	28.0	56.0	8.21	28.2	60.1	8.62	28.5	61.6	8.78	28.5
	30	95	47.2	8.35	38.4	52.1	9.83	39.3	56.0	10.96	40.1	60.1	11.49	40.8	61.6	11.71	41.1
	30	190	47.2	8.21	34.2	52.1	9.67	34.7	56.0	10.77	35.0	60.1	11.30	35.4	61.6	11.51	35.5
	30	285	47.2	7.96	32.8	52.1	9.37	33.1	56.0	10.44	33.3	60.1	10.95	33.6	61.6	11.16	33.7
	35	95	47.2	9.08	43.5	52.1	10.69	44.5	56.0	11.91	45.2	60.1	12.49	45.9	61.6	12.72	46.2
	35	190	47.2	8.92	39.2	52.1	10.50	39.7	56.0	11.70	40.1	60.1	12.28	40.5	61.6	12.51	40.6
	35	285	47.2	8.65	37.8	52.1	10.18	38.1	56.0	11.34	38.4	60.1	11.90	38.6	61.6	12.12	38.7
	40	95	42.0	10.06	47.9	46.3	11.84	48.8	49.8	13.19	49.5	53.4	13.84	50.1	54.8	14.10	50.4
	40	190	42.3	9.88	43.9	46.7	11.64	44.4	50.2	12.97	44.8	53.9	13.60	45.1	55.3	13.86	45.2
	40	285	42.9	9.58	42.6	47.4	11.28	43.0	51.0	12.57	43.2	54.7	13.18	43.4	56.0	13.43	43.5
	45	95	37.7	10.94	52.3	41.6	12.89	53.2	44.7	14.36	53.9	48.0	15.06	54.5	49.2	15.35	54.7
	45	190	38.0	10.76	48.7	42.0	12.67	49.1	45.1	14.11	49.5	48.4	14.81	49.8	49.6	15.08	49.9
	45	285	38.6	10.43	47.5	42.6	12.28	47.8	45.8	13.68	48.0	49.1	14.35	48.2	50.3	14.62	48.3
90	10	95	42.6	3.10	16.2	47.0	3.65	16.9	50.5	4.06	17.4	54.2	4.26	17.9	55.6	4.34	18.1
	10	190	42.6	3.04	13.1	47.0	3.58	13.4	50.5	3.99	13.7	54.2	4.19	14.0	55.6	4.27	14.1
	10	285	42.6	2.95	12.1	47.0	3.47	12.3	50.5	3.87	12.5	54.2	4.06	12.6	55.6	4.14	12.7
	15	95	42.6	4.13	21.3	47.0	4.87	22.0	50.5	5.42	22.6	54.2	5.69	23.1	55.6	5.80	23.3
	15	190	42.6	4.06	18.2	47.0	4.78	18.5	50.5	5.33	18.8	54.2	5.59	19.1	55.6	5.70	19.2
	15	285	42.6	3.94	17.1	47.0	4.64	17.3	50.5	5.17	17.5	54.2	5.42	17.7	55.6	5.52	17.8
	20	95	42.6	4.98	26.5	47.0	5.87	27.2	50.5	6.54	27.7	54.2	6.86	28.3	55.6	6.99	28.5
	20	190	42.6	4.90	23.2	47.0	5.77	23.6	50.5	6.42	23.9	54.2	6.74	24.1	55.6	6.87	24.2
	20	285	42.6	4.75	22.1	47.0	5.59	22.4	50.5	6.23	22.6	54.2	6.53	22.7	55.6	6.66	22.8
	25	95	42.6	6.21	31.6	47.0	7.31	32.4	50.5	8.14	33.0	54.2	8.54	33.5	55.6	8.70	33.7
	25	190	42.6	6.10	28.3	47.0	7.19	28.7	50.5	8.01	29.0	54.2	8.40	29.2	55.6	8.56	29.4
	25	285	42.6	5.91	27.2	47.0	6.96	27.4	50.5	7.76	27.6	54.2	8.14	27.8	55.6	8.29	27.9
	30	95	42.6	7.46	36.8	47.0	8.78	37.6	50.5	9.79	38.2	54.2	10.27	38.7	55.6	10.46	39.0
	30	190	42.6	7.33	33.4	47.0	8.63	33.8	50.5	9.62	34.1	54.2	10.09	34.4	55.6	10.28	34.5
	30	285	42.6	7.11	32.2	47.0	8.37	32.5	50.5	9.32	32.7	54.2	9.78	32.9	55.6	9.96	33.0
	35	95	42.6	8.11	41.9	47.0	9.55	42.7	50.5	10.63	43.3	54.2	11.16	43.9	55.6	11.37	44.1
	35	190	42.6	7.97	38.4	47.0	9.38	38.8	50.5	10.45	39.1	54.2	10.97	39.4	55.6	11.17	39.5
	35	285	42.6	7.72	37.3	47.0	9.09	37.5	50.5	10.13	37.7	54.2	10.63	37.9	55.6	10.83	38.0
	40	95	37.9	8.98	46.4	41.8	10.58	47.1	44.9	11.78	47.7	48.2	12.36	48.2	49.4	12.59	48.4
	40	190	38.2	8.83	43.2	42.1	10.40	43.6	45.3	11.58	43.9	48.6	12.15	44.1	49.8	12.38	44.2
	40	285	38.7	8.56	42.1	42.7	10.08	42.4	45.9	11.23	42.6	49.3	11.78	42.8	50.5	12.00	42.8
	45	95	34.0	9.78	50.9	37.5	11.51	51.7	40.3	12.82	52.2	43.3	13.45	52.7	44.4	13.71	52.9
	45	190	34.3	9.61	48.0	37.8	11.32	48.3	40.7	12.61	48.6	43.6	13.23	48.9	44.7	13.47	49.0
	45	285	34.8	9.31	47.0	38.4	10.97	47.2	41.3	12.22	47.4	44.3	12.82	47.6	45.4	13.06	47.6
80	10	95	37.8	2.56	15.5	41.8	3.02	16.1	44.9	3.36	16.6	48.2	3.53	17.0	49.4	3.59	17.2
	10	190	37.8	2.52	12.7	41.8	2.97	13.0	44.9	3.30	13.3	48.2	3.47	13.5	49.4	3.53	13.6
	10	285	37.8	2.44	11.8	41.8	2.87	12.0	44.9	3.20	12.2	48.2	3.36	12.3	49.4	3.42	12.4
	15	95	37.8	3.42	20.6	41.8	4.03	21.2	44.9	4.49	21.7	48.2	4.71	22.2	49.4	4.80	22.4
	15	190	37.8	3.36	17.8	41.8	3.96	18.1	44.9	4.41	18.3	48.2	4.63	18.6	49.4	4.71	18.7
	15	285	37.8	3.26	16.9	41.8	3.84	17.1	44.9	4.28	17.2	48.2	4.49	17.4	49.4	4.57	17.4
	20	95	37.8	4.12	25.7	41.8	4.85	26.3	44.9	5.41	26.8	48.2	5.67	27.3	49.4	5.78	27.5
	20	190	37.8	4.05	22.8	41.8	4.77	23.2	44.9	5.32	23.4	48.2	5.58	23.6	49.4	5.68	23.7
	20	285	37.8	3.93	21.9	41.8	4.62	22.1	44.9	5.15	22.3	48.2	5.41	22.4	49.4	5.51	22.5
	25	95	37.8	5.14	30.8	41.8	6.05	31.5	44.9	6.74	32.0	48.2	7.07	32.5	49.4	7.20	32.7
	25	190	37.8	5.05	27.9	41.8	5.95	28.2	44.9	6.62	28.5	48.2	6.95	28.7	49.4	7.08	28.8
	25	285	37.8	4.89	26.9	41.8	5.76	27.2	44.9	6.42	27.3	48.2	6.74	27.5	49.4	6.86	27.5
	30	95	37.8	6.17	36.0	41.8	7.27	36.7	44.9	8.10	37.2	48.2	8.50	37.7	49.4	8.65	37.9
	30	190	37.8	6.07	33.0	41.8	7.14	33.3	44.9	7.96	33.6	48.2	8.35	33.8	49.4	8.51	33.9
	30	285	37.8	5.88	32.0	41.8	6.92	32.2	44.9	7.71	32.4	48.2	8.09	32.5	49.4	8.25	32.6
	35	95	37.8	6.71	41.0	41.8	7.90	41.7	44.9	8.80	42.3	48.2	9.23	42.8	49.4	9.40	43.0
	35	190	37.8	6.59	38.0	41.8	7.76	38.4	44.9	8.65	38.6	48.2	9.07	38.9	49.4	9.24	39.0
	35	285	37.8	6.39	37.0	41.8	7.52	37.2	44.9	8.38	37.4	48.2	8.80	37.6	49.4	8.96	37.6
	40	95	33.7	7.43	45.6	37.2	8.75	46.2	39.9	9.75	46.7	42.8	10.23	47.2	43.9	10.42	47.4
	40	190	33.9	7.31	42.8	37.5	8.60	43.1	40.3	9.58	43.4	43.2	10.05	43.6	44.3	10.24	43.7
	40	285	34.4	7.08	41.9	38.0	8.34	42.1	40.9	9.29	42.3	43.8	9.74	42.4	44.9	9.93	42.5
	45	95	30.2	8.09	50.2	33.4	9.52	50.8	35.9	10.61	51.3	38.5	11.13	51.7	39.4	11.34	51.9
	45	190	30.5	7.95	47.6	33.6	9.36	47.9	36.2	10.43	48.2	38.8	10.94	48.4	39.8	11.15	48.5
	45	285	30.9	7.71	46.7	34.1	9.07	47.0	36.7	10.11	47.1	39.3	10.61	47.3	40.4	10.81	47.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	95	33.1	2.14	14.8	36.5	2.52	15.3	39.3	2.81	15.7	42.1	2.95	16.1	43.2	3.00	16.3
	10	190	33.1	2.10	12.4	36.5	2.48	12.6	39.3	2.76	12.9	42.1	2.90	13.1	43.2	2.95	13.1
	10	285	33.1	2.04	11.6	36.5	2.40	11.8	39.3	2.68	11.9	42.1	2.81	12.0	43.2	2.86	12.1
	15	95	33.1	2.86	19.9	36.5	3.36	20.4	39.3	3.75	20.8	42.1	3.93	21.3	43.2	4.01	21.4
	15	190	33.1	2.81	17.4	36.5	3.31	17.7	39.3	3.69	17.9	42.1	3.87	18.1	43.2	3.94	18.2
	15	285	33.1	2.72	16.6	36.5	3.21	16.8	39.3	3.57	16.9	42.1	3.75	17.1	43.2	3.82	17.1
	20	95	33.1	3.44	25.0	36.5	4.06	25.5	39.3	4.52	25.9	42.1	4.74	26.4	43.2	4.83	26.5
	20	190	33.1	3.39	22.5	36.5	3.99	22.7	39.3	4.44	23.0	42.1	4.66	23.2	43.2	4.75	23.3
	20	285	33.1	3.28	21.6	36.5	3.86	21.8	39.3	4.30	22.0	42.1	4.52	22.1	43.2	4.60	22.2
	25	95	33.1	4.29	30.1	36.5	5.05	30.6	39.3	5.63	31.1	42.1	5.91	31.5	43.2	6.02	31.7
	25	190	33.1	4.22	27.5	36.5	4.97	27.8	39.3	5.53	28.0	42.1	5.81	28.3	43.2	5.91	28.3
	25	285	33.1	4.09	26.7	36.5	4.81	26.9	39.3	5.36	27.0	42.1	5.63	27.2	43.2	5.73	27.2
	30	95	33.1	5.16	35.2	36.5	6.07	35.8	39.3	6.77	36.2	42.1	7.10	36.7	43.2	7.23	36.8
	30	190	33.1	5.07	32.6	36.5	5.97	32.9	39.3	6.65	33.1	42.1	6.98	33.3	43.2	7.11	33.4
	30	285	33.1	4.91	31.7	36.5	5.78	31.9	39.3	6.45	32.1	42.1	6.76	32.2	43.2	6.89	32.3
	35	95	33.1	5.60	40.3	36.5	6.60	40.9	39.3	7.35	41.3	42.1	7.71	41.8	43.2	7.86	41.9
	35	190	33.1	5.51	37.6	36.5	6.49	37.9	39.3	7.23	38.2	42.1	7.58	38.4	43.2	7.72	38.5
	35	285	33.1	5.34	36.7	36.5	6.29	36.9	39.3	7.00	37.1	42.1	7.35	37.2	43.2	7.49	37.3
	40	95	29.4	6.21	44.8	32.5	7.31	45.4	34.9	8.14	45.8	37.4	8.55	46.2	38.4	8.71	46.4
	40	190	29.7	6.10	42.4	32.8	7.19	42.7	35.2	8.01	42.9	37.8	8.40	43.1	38.7	8.56	43.2
	40	285	30.1	5.92	41.6	33.2	6.96	41.8	35.7	7.76	42.0	38.3	8.14	42.1	39.3	8.29	42.2
	45	95	26.4	6.76	49.5	29.2	7.96	50.0	31.3	8.87	50.5	33.6	9.30	50.8	34.5	9.48	51.0
	45	190	26.6	6.64	47.3	29.4	7.82	47.5	31.6	8.71	47.7	33.9	9.14	47.9	34.8	9.31	48.0
	45	285	27.0	6.44	46.5	29.8	7.58	46.7	32.1	8.45	46.8	34.4	8.86	47.0	35.3	9.03	47.0
60	10	95	28.2	1.70	14.1	31.2	2.00	14.5	33.5	2.23	14.9	35.9	2.34	15.2	36.9	2.38	15.3
	10	190	28.2	1.67	12.0	31.2	1.96	12.2	33.5	2.19	12.4	35.9	2.30	12.6	36.9	2.34	12.7
	10	285	28.2	1.62	11.4	31.2	1.90	11.5	33.5	2.12	11.6	35.9	2.22	11.7	36.9	2.27	11.8
	15	95	28.2	2.26	19.1	31.2	2.67	19.6	33.5	2.97	20.0	35.9	3.12	20.3	36.9	3.18	20.4
	15	190	28.2	2.23	17.1	31.2	2.62	17.3	33.5	2.92	17.5	35.9	3.06	17.6	36.9	3.12	17.7
	15	285	28.2	2.16	16.4	31.2	2.54	16.5	33.5	2.83	16.6	35.9	2.97	16.8	36.9	3.03	16.8
	20	95	28.2	2.73	24.2	31.2	3.21	24.7	33.5	3.58	25.0	35.9	3.76	25.4	36.9	3.83	25.5
	20	190	28.2	2.68	22.1	31.2	3.16	22.3	33.5	3.52	22.5	35.9	3.69	22.7	36.9	3.76	22.8
	20	285	28.2	2.60	21.4	31.2	3.06	21.5	33.5	3.41	21.7	35.9	3.58	21.8	36.9	3.65	21.8
	25	95	28.2	3.40	29.3	31.2	4.00	29.8	33.5	4.46	30.2	35.9	4.68	30.5	36.9	4.77	30.7
	25	190	28.2	3.34	27.1	31.2	3.94	27.4	33.5	4.39	27.6	35.9	4.60	27.8	36.9	4.69	27.8
	25	285	28.2	3.24	26.4	31.2	3.81	26.6	33.5	4.25	26.7	35.9	4.46	26.8	36.9	4.54	26.9
	30	95	28.2	4.09	34.4	31.2	4.81	34.9	33.5	5.36	35.3	35.9	5.62	35.6	36.9	5.73	35.8
	30	190	28.2	4.02	32.2	31.2	4.73	32.4	33.5	5.27	32.6	35.9	5.53	32.8	36.9	5.63	32.9
	30	285	28.2	3.89	31.5	31.2	4.58	31.6	33.5	5.11	31.7	35.9	5.36	31.9	36.9	5.46	31.9
	35	95	28.2	4.44	39.4	31.2	5.23	39.9	33.5	5.83	40.3	35.9	6.11	40.7	36.9	6.23	40.8
	35	190	28.2	4.37	37.2	31.2	5.14	37.5	33.5	5.73	37.7	35.9	6.01	37.8	36.9	6.12	37.9
	35	285	28.2	4.23	36.5	31.2	4.98	36.6	33.5	5.55	36.8	35.9	5.82	36.9	36.9	5.93	36.9
	40	95	25.1	4.92	44.1	27.7	5.79	44.6	29.8	6.45	44.9	32.0	6.77	45.3	32.8	6.90	45.4
	40	190	25.3	4.84	42.0	28.0	5.69	42.3	30.0	6.34	42.5	32.2	6.66	42.6	33.1	6.78	42.7
	40	285	25.7	4.69	41.4	28.4	5.52	41.5	30.5	6.15	41.7	32.7	6.45	41.8	33.5	6.57	41.8
	45	95	22.6	5.36	48.8	24.9	6.31	49.2	26.8	7.03	49.6	28.7	7.37	49.9	29.4	7.51	50.0
	45	190	22.7	5.26	46.9	25.1	6.20	47.1	27.0	6.91	47.3	28.9	7.25	47.5	29.7	7.38	47.5
	45	285	23.1	5.10	46.3	25.5	6.01	46.4	27.4	6.69	46.5	29.4	7.02	46.6	30.1	7.15	46.7
50	10	95	23.7	1.24	13.4	26.1	1.46	13.7	28.1	1.63	14.0	30.1	1.71	14.3	30.9	1.74	14.4
	10	190	23.7	1.22	11.7	26.1	1.43	11.9	28.1	1.60	12.0	30.1	1.68	12.2	30.9	1.71	12.2
	10	285	23.7	1.18	11.1	26.1	1.39	11.2	28.1	1.55	11.3	30.1	1.63	11.4	30.9	1.66	11.5
	15	95	23.7	1.65	18.4	26.1	1.95	18.8	28.1	2.17	19.1	30.1	2.28	19.4	30.9	2.32	19.5
	15	190	23.7	1.63	16.7	26.1	1.92	16.9	28.1	2.13	17.1	30.1	2.24	17.2	30.9	2.28	17.3
	15	285	23.7	1.58	16.1	26.1	1.86	16.3	28.1	2.07	16.4	30.1	2.17	16.5	30.9	2.21	16.5
	20	95	23.7	1.99	23.5	26.1	2.35	23.9	28.1	2.62	24.2	30.1	2.74	24.5	30.9	2.80	24.6
	20	190	23.7	1.96	21.7	26.1	2.31	21.9	28.1	2.57	22.1	30.1	2.70	22.2	30.9	2.75	22.3
	20	285	23.7	1.90	21.2	26.1	2.24	21.3	28.1	2.49	21.4	30.1	2.61	21.5	30.9	2.66	21.5
	25	95	23.7	2.48	28.6	26.1	2.93	28.9	28.1	3.26	29.3	30.1	3.42	29.6	30.9	3.48	29.7
	25	190	23.7	2.44	26.8	26.1	2.88	27.0	28.1	3.20	27.1	30.1	3.36	27.3	30.9	3.42	27.3
	25	285	23.7	2.37	26.2	26.1	2.79	26.3	28.1	3.11	26.4	30.1	3.26	26.5	30.9	3.32	26.5
	30	95	23.7	2.99	33.6	26.1	3.52	34.0	28.1	3.92	34.3	30.1	4.11	34.7	30.9	4.19	34.8
	30	190	23.7	2.94	31.8	26.1	3.46	32.0	28.1	3.85	32.2	30.1	4.04	32.3	30.9	4.12	32.4
	30	285	23.7	2.84	31.2	26.1	3.35	31.3	28.1	3.73	31.4	30.1	3.92	31.5	30.9	3.99	31.6
	35	95	23.7	3.24	38.7	26.1	3.82	39.1	28.1	4.26	39.4	30.1	4.47	39.7	30.9	4.55	39.8
	35	190	23.7	3.19	36.8	26.1	3.76	37.0	28.1	4.18	37.2	30.1	4.39	37.3	30.9	4.47	37.4
	35	285	23.7	3.09	36.2	26.1	3.64	36.3	28.1	4.06	36.5	30.1	4.25	36.6	30.9	4.33	36.6
	40	95	21.1	3.59	43.3	23.3	4.23	43.7	25.0	4.72	44.0	26.8	4.95	44.3	27.5	5.04	44.4
	40	190	21.2	3.53	41.7	23.4	4.16	41.9	25.2	4.64	42.0	27.0	4.86	42.2	27.7	4.95	42.2
	40	285	21.5	3.42	41.1	23.8	4.03	41.3	25.6	4.49	41.4	27.4	4.71	41.5	28.1	4.80	41.5
	45	95	18.9	3.91	48.1	20.9	4.61	48.5	22.4	5.13	48.7	24.1	5.39	49.0	24.7	5.49	49.1
	45	190	19.1	3.85	46.6	21.1	4.53	46.7	22.6	5.05	46.9	24.3	5.29	47.0	24.9	5.39	47.1
	45	285	19.3	3.73	46.0	21.4	4.39	46.2	23.0	4.89	46.3	24.6	5.13	46.3	25.3	5.23	46.4

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	95	75.9	16.93	-3.9	74.7	16.16	-3.8	72.3	15.74	-3.5	67.9	14.59	-3.0	65.5	13.49	-2.8
	5	190	78.1	16.80	0.4	76.3	16.28	0.5	73.7	16.00	0.6	69.1	14.79	0.9	66.4	13.67	1.0
	5	285	78.7	17.39	1.9	76.9	16.82	2.0	74.1	16.29	2.1	69.6	15.10	2.3	67.2	14.19	2.3
	10	95	76.3	15.15	0.8	74.9	14.46	0.9	72.3	14.20	1.2	67.9	13.15	1.7	65.5	12.23	2.0
	10	190	78.1	15.02	5.2	76.3	14.50	5.3	73.7	14.30	5.5	69.1	13.12	5.8	66.4	12.22	5.9
	10	285	78.7	15.33	6.8	77.1	14.82	6.9	74.6	14.38	7.0	69.6	13.21	7.2	67.2	12.46	7.2
	15	95	76.7	13.54	5.5	75.3	12.84	5.6	74.3	12.92	5.7	69.0	11.71	6.4	66.1	11.02	6.7
	15	190	79.1	13.00	10.0	77.5	12.62	10.1	76.7	12.81	10.2	71.3	11.38	10.5	68.0	10.63	10.7
	15	285	79.7	13.46	11.7	78.7	13.06	11.7	78.1	12.82	11.7	72.4	11.35	11.9	69.5	11.09	12.1
	20	95	79.5	12.45	9.9	78.1	11.77	10.0	77.1	11.68	10.1	71.6	10.46	10.8	68.3	10.38	11.3
	20	190	82.0	11.97	14.7	80.6	11.79	14.8	79.2	12.49	15.0	73.9	10.79	15.2	70.8	10.43	15.4
	20	285	82.6	12.11	16.5	81.4	11.73	16.5	80.9	11.76	16.5	74.9	10.57	16.8	71.5	10.43	16.9
	25	95	83.2	11.91	14.2	81.2	11.43	14.5	80.5	11.38	14.6	75.3	10.35	15.2	72.3	9.90	15.6
	25	190	83.2	11.72	19.6	81.2	11.35	19.7	80.5	11.18	19.8	75.3	10.19	20.1	72.3	9.95	20.3
	25	285	83.2	11.48	21.4	81.2	10.91	21.5	80.5	10.94	21.5	75.3	10.26	21.7	72.3	9.33	21.8
	30	95	83.2	11.56	19.2	81.2	10.89	19.4	80.5	10.92	19.5	75.3	9.74	20.1	72.3	9.83	20.6
	30	190	83.2	11.18	24.6	81.2	10.81	24.7	80.5	10.65	24.7	75.3	9.82	25.1	72.3	9.18	25.2
	30	285	83.2	10.94	26.4	81.2	10.37	26.4	80.5	10.39	26.5	75.3	9.17	26.7	72.3	9.57	26.8
	35	95	83.2	11.02	24.1	81.2	10.53	24.3	80.5	10.49	24.4	75.3	9.38	25.1	72.3	8.78	25.4
	35	190	83.2	10.65	29.5	81.2	10.30	29.6	80.5	10.29	29.7	75.3	9.28	30.0	72.3	8.58	30.2
	35	285	83.2	10.65	31.4	81.2	10.11	31.4	80.5	10.01	31.5	75.3	9.01	31.7	72.3	8.36	31.8
	40	95	83.2	10.65	29.1	81.2	10.18	29.3	80.5	10.11	29.4	75.3	9.03	30.0	72.3	8.65	30.4
	40	190	83.2	10.29	34.5	81.2	9.92	34.6	80.5	9.76	34.7	75.3	8.70	35.0	72.3	8.33	35.2
	40	285	83.2	10.00	36.3	81.2	9.68	36.4	80.5	9.76	36.4	75.3	8.70	36.7	72.3	8.33	36.8
	45	95	83.2	10.29	34.0	81.2	9.84	34.2	80.5	9.77	34.3	75.3	8.61	34.9	72.3	8.57	35.4
	45	190	83.2	9.94	39.5	81.2	9.58	39.6	80.5	9.22	39.6	75.3	8.06	39.9	72.3	8.07	40.2
	45	285	83.2	9.38	41.3	81.2	9.22	41.4	80.5	9.50	41.4	75.3	8.30	41.6	72.3	8.34	41.8
120	5	95	72.3	16.79	-3.4	71.1	16.09	-3.3	68.7	15.63	-3.0	64.7	14.38	-2.6	62.0	13.28	-2.3
	5	190	74.1	17.03	0.7	72.5	16.42	0.8	69.6	16.00	1.0	65.5	14.68	1.2	62.7	13.44	1.3
	5	285	74.7	17.18	2.1	71.9	16.59	2.2	70.0	16.29	2.3	65.9	14.97	2.4	63.1	13.73	2.5
	10	95	72.7	15.02	1.3	71.3	14.40	1.4	68.8	14.10	1.8	64.7	12.96	2.2	62.0	12.05	2.5
	10	190	74.1	15.23	5.6	72.5	14.62	5.6	69.6	14.30	5.8	65.5	13.02	6.0	62.7	12.01	6.2
	10	285	74.7	15.15	7.0	72.1	14.62	7.1	70.4	14.38	7.2	65.9	13.09	7.3	63.1	12.06	7.4
	15	95	73.1	13.30	6.0	71.5	12.72	6.1	70.6	12.71	6.3	65.7	11.54	6.8	62.5	10.83	7.2
	15	190	74.7	13.42	10.4	73.3	12.84	10.4	72.2	12.81	10.5	67.2	11.38	10.8	63.8	10.49	11.0
	15	285	75.3	13.12	11.9	73.3	12.66	12.0	73.0	12.82	12.0	68.0	11.35	12.2	64.6	10.48	12.3
	20	95	75.1	11.94	10.5	73.7	11.31	10.6	72.4	11.17	10.8	67.4	10.12	11.4	64.0	10.08	11.9
	20	190	77.0	11.81	15.1	75.4	11.55	15.2	73.8	12.16	15.4	69.0	10.43	15.6	65.7	9.83	15.8
	20	285	77.4	11.78	16.7	75.3	11.35	16.8	75.0	11.38	16.8	69.7	10.22	17.0	66.3	9.89	17.2
	25	95	78.2	11.26	14.9	75.8	10.59	15.2	74.6	10.55	15.3	69.7	9.53	15.9	66.8	9.08	16.3
	25	190	78.4	11.09	19.9	75.8	10.53	20.1	74.6	10.49	20.2	69.7	9.34	20.4	66.8	9.13	20.6
	25	285	78.8	10.46	21.6	75.8	10.11	21.7	74.6	10.20	21.8	69.7	9.66	22.0	66.8	8.54	22.1
	30	95	78.6	10.71	19.8	75.8	10.07	20.1	74.6	9.94	20.2	69.7	8.73	20.8	66.8	8.80	21.2
	30	190	78.6	10.37	24.9	75.8	9.83	25.0	74.6	9.76	25.1	69.7	8.80	25.4	66.8	8.20	25.6
	30	285	78.6	9.86	26.5	75.8	9.49	26.7	74.6	9.47	26.7	69.7	8.44	26.9	66.8	8.55	27.1
	35	95	78.6	10.18	24.7	75.8	9.53	25.0	74.6	9.40	25.2	69.7	8.38	25.7	66.8	7.79	26.1
	35	190	78.6	9.60	29.8	75.8	9.17	30.0	74.6	9.03	30.1	69.7	8.08	30.3	66.8	7.46	30.5
	35	285	78.6	9.43	31.5	75.8	9.07	31.6	74.6	9.03	31.7	69.7	8.08	31.9	66.8	7.46	32.0
	40	95	78.6	9.82	29.6	75.8	9.07	29.9	74.6	8.85	30.1	69.7	7.84	30.7	66.8	7.49	31.0
	40	190	78.6	9.07	34.8	75.8	8.65	34.9	74.6	8.48	35.0	69.7	7.54	35.3	66.8	7.17	35.5
	40	285	78.6	8.89	36.5	75.8	8.47	36.6	74.6	8.48	36.7	69.7	7.54	36.9	66.8	7.17	37.0
	45	95	78.6	9.48	34.6	75.8	8.61	34.9	74.6	8.32	35.0	69.7	7.27	35.6	66.8	7.20	36.0
	45	190	78.6	8.52	39.7	75.8	8.11	39.9	74.6	7.94	40.0	69.7	6.91	40.3	66.8	6.87	40.5
	45	285	78.6	8.36	41.5	75.8	7.89	41.6	74.6	7.94	41.6	69.7	6.91	41.8	66.8	6.87	42.0
110	5	95	69.1	16.97	-2.9	67.6	16.16	-2.8	65.1	15.68	-2.5	61.5	14.38	-2.1	58.4	13.28	-1.8
	5	190	70.5	17.09	1.0	68.4	16.42	1.1	65.7	16.00	1.2	61.9	14.68	1.4	58.7	13.44	1.6
	5	285	71.1	17.35	2.3	68.8	16.59	2.4	65.9	16.16	2.5	61.9	14.82	2.6	58.9	13.73	2.7
	10	95	69.5	15.19	1.8	67.8	14.46	1.9	65.1	14.14	2.3	61.5	12.96	2.7	58.4	12.05	3.0
	10	190	70.5	15.29	5.8	68.4	14.62	5.9	65.7	14.30	6.1	61.9	13.02	6.3	58.7	12.01	6.5
	10	285	71.1	15.29	7.2	69.0	14.62	7.3	66.4	14.26	7.4	61.9	12.96	7.5	58.9	12.06	7.6
	15	95	69.7	13.38	6.5	68.0	12.84	6.7	66.9	12.81	6.8	62.5	11.54	7.3	58.9	10.83	7.7
	15	190	70.9	13.30	10.7	69.0	12.84	10.8	67.7	12.81	10.9	63.0	11.38	11.1	59.6	10.49	11.3
	15	285	71.5	13.18	12.1	69.4	12.66	12.1	68.3	12.55	12.2	63.4	11.10	12.4	59.8	10.48	12.5
	20	95	71.1	11.60	11.0	69.2	11.12	11.2	67.9	11.01	11.4	63.0	9.95	12.0	59.6	9.76	12.5
	20	190	72.7	11.55	15.4	70.0	11.18	15.6	68.4	11.73	15.7	64.0	10.11	15.9	60.4	9.37	16.2
	20	285	73.3	11.68	16.9	71.0	11.13	17.0	69.3	11.01	17.1	64.4	9.64	17.2	61.0	9.37	17.4
	25	95	73.1	10.50	15.6	70.8	9.95	15.8	69.1	9.94	16.1	64.4	8.85	16.6	61.1	8.27	17.0
	25	190	73.7	10.44	20.2	70.8	9.79	20.4	69.1	9.75	20.5	64.4	8.69	20.8	61.1	8.29	21.0
	25	285	74.3	10.44	21.8	70.8	9.85	21.9	69.1	9.47	22.0	64.4	8.98	22.2	61.1	7.75	22.3
	30	95	74.1	9.55	20.3	70.8	9.07	20.7	69.1	8.84	20.9	64.4	7.92	21.5	61.1	7.62	21.9
	30	190	74.1	9.39	25.1	70.8	8.89	25.3	69.1	8.66	25.4	64.4	7.94	25.7	61.1	7.20	25.9
	30	285	74.1	9.29	26.7	70.8	8.63	26.9	69.1	8.38	26.9	64.4	7.40	27.1	61.1	7.51	27.3
	35	95	74.1	9.02	25.2	70.8	8.35	25.6	69.1	8.13	25.8	64.4	7.21	26.4	61.1	6.66	26.8
	35	190	74.1	8.66	30.1	70.8	8.19	30.3	69.1	7.93	30.4	64.4	7.08	30.7	61.1	6.48	30.9
	35	285	74.1	8.33	31.7	70.8	7.91	31.8	69.1	7.69	31.9	64.4	7.08	32.1	61.1	6.48	32.3
	40	95	74.1	8.48	30.1	70.8	8.01	30.5	69.1	7.59	30.7	64.4	6.68	31.3	61.1	6.31	31.7
	40	190	74.1	8.13	35.0	70.8	7.65	35.2	69.1	7.22	35.3	64.4	6.52	35.6	61.1	6.17	35.9
	40	285	74.1	7.95	36.7	70.8	7.37	36.8	69.1	7.22	36.9	64.4	6.26	37.1	61.1	5.91	37.2
	45	95	74.1	7.93	35.0	70.8	7.65	35.5	69.1	7.04	35.6	64.4	6.13	36.2	61.1	5.98	36.7
	45	190	74.1	7.59	40.0	70.8	7.11	40.2	69.1	6.49	40.3	64.4	5.91	40.6	61.1	5.85	40.8
	45	285	74.1	7.59	41.7	70.8	6.83	41.8	69.1	6.78	41.9	64.4	5.43	42.0	61.1	5.30	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	95	66.0	17.02	-2.4	63.6	16.37	-2.1	61.4	15.73	-1.9	57.9	14.42	-1.6	54.7	13.12	-1.3
	5	190	67.0	17.33	1.3	64.2	16.65	1.4	61.6	16.05	1.6	57.9	14.72	1.7	54.7	13.38	1.9
	5	285	67.6	17.49	2.5	64.4	16.83	2.6	61.4	16.21	2.7	57.9	14.86	2.8	54.7	13.50	2.9
	10	95	66.4	15.23	2.3	63.8	14.64	2.6	61.4	14.18	2.9	57.9	13.00	3.2	54.7	11.90	3.5
	10	190	67.0	15.50	6.1	64.2	14.82	6.3	61.6	14.34	6.4	57.9	13.06	6.6	54.7	11.96	6.8
	10	285	67.6	15.42	7.4	64.6	14.82	7.5	61.8	14.30	7.6	57.9	13.00	7.7	54.7	11.86	7.8
	15	95	66.6	13.42	7.0	64.2	12.94	7.3	63.0	12.85	7.4	58.8	11.58	7.9	55.2	10.70	8.3
	15	190	67.0	13.69	11.0	64.2	12.98	11.1	63.0	12.85	11.2	58.8	11.42	11.4	55.2	10.52	11.6
	15	285	67.8	13.34	12.3	64.8	12.82	12.4	63.0	12.59	12.5	58.8	11.14	12.6	55.2	10.26	12.7
	20	95	67.2	11.47	11.6	64.4	10.98	11.9	63.0	10.86	12.1	58.8	9.82	12.6	55.2	9.27	13.1
	20	190	68.2	11.57	15.7	64.6	11.08	16.0	63.0	10.86	16.1	58.8	9.82	16.3	55.2	8.91	16.5
	20	285	68.8	11.37	17.1	65.6	10.88	17.2	63.0	10.58	17.4	58.8	9.35	17.5	55.2	8.65	17.7
	25	95	68.0	10.01	16.3	65.4	9.48	16.6	63.0	9.23	16.9	58.8	8.21	17.4	55.2	7.49	17.8
	25	190	69.0	10.03	20.6	65.4	9.27	20.8	63.0	9.05	20.9	58.8	8.03	21.2	55.2	7.49	21.4
	25	285	69.5	9.70	22.0	65.4	9.17	22.2	63.0	8.79	22.3	58.8	8.03	22.4	55.2	7.21	22.6
	30	95	69.3	9.05	20.9	65.4	8.21	21.4	63.0	7.79	21.7	58.8	6.95	22.2	55.2	6.61	22.7
	30	190	69.3	8.87	25.4	65.4	8.03	25.7	63.0	7.71	25.8	58.8	6.95	26.1	55.2	6.41	26.3
	30	285	69.3	8.60	26.9	65.4	8.03	27.1	63.0	7.55	27.2	58.8	6.67	27.4	55.2	6.41	27.5
	35	95	69.3	8.34	25.8	65.4	7.49	26.3	63.0	6.87	26.5	58.8	6.23	27.1	55.2	5.69	27.5
	35	190	69.3	7.95	30.4	65.4	7.13	30.6	63.0	6.79	30.8	58.8	6.07	31.0	55.2	5.53	31.3
	35	285	69.3	7.95	31.9	65.4	7.13	32.1	63.0	6.65	32.2	58.8	6.07	32.3	55.2	5.53	32.5
	40	95	69.3	7.79	30.7	65.4	6.95	31.2	63.0	6.16	31.4	58.8	5.53	32.0	55.2	5.17	32.5
	40	190	69.3	7.42	35.3	65.4	6.61	35.6	63.0	6.08	35.7	58.8	5.35	36.0	55.2	5.01	36.2
	40	285	69.3	7.16	36.9	65.4	6.61	37.0	63.0	5.92	37.1	58.8	5.35	37.3	55.2	5.01	37.5
	45	95	69.3	7.24	35.6	65.4	6.41	36.1	63.0	5.43	36.3	58.8	4.81	36.9	55.2	4.63	37.4
	45	190	69.3	6.87	40.3	65.4	6.07	40.5	63.0	5.35	40.7	58.8	4.63	40.9	55.2	4.47	41.2
	45	285	69.3	6.35	41.8	65.4	6.07	42.0	63.0	5.19	42.1	58.8	4.63	42.3	55.2	4.47	42.5
90	5	95	59.3	16.20	-1.5	57.4	15.29	-1.3	55.6	14.44	-1.2	51.1	13.26	-0.7	46.9	11.89	-0.3
	5	190	59.7	16.49	1.7	57.2	15.59	1.9	55.6	14.72	1.9	51.1	13.54	2.2	46.9	12.13	2.4
	5	285	60.1	16.64	2.8	57.6	15.73	2.9	55.6	14.89	3.0	51.1	13.67	3.1	46.9	12.28	3.3
	10	95	59.7	14.25	3.1	57.6	13.55	3.4	55.6	13.03	3.6	51.1	11.96	4.1	46.9	10.80	4.6
	10	190	59.5	14.29	6.6	57.4	13.62	6.7	55.6	13.07	6.8	51.1	11.92	7.0	46.9	10.83	7.3
	10	285	60.1	14.25	7.7	57.6	13.55	7.8	55.6	13.03	7.9	51.1	11.98	8.0	46.9	10.89	8.2
	15	95	59.9	12.29	7.8	57.8	11.83	8.1	55.6	11.62	8.4	52.1	10.65	8.8	49.5	9.71	9.0
	15	190	59.5	12.08	11.4	57.4	11.64	11.6	55.6	11.42	11.7	52.1	10.29	11.8	49.5	9.52	12.0
	15	285	60.1	11.83	12.6	57.6	11.39	12.7	55.6	11.12	12.8	52.1	10.29	12.9	49.5	9.52	13.0
	20	95	60.3	10.41	12.5	58.0	10.09	12.8	55.6	9.91	13.1	52.1	9.14	13.5	49.5	8.58	13.8
	20	190	60.1	10.41	16.2	57.6	9.97	16.4	56.7	9.90	16.5	52.1	8.77	16.7	49.5	8.19	16.9
	20	285	60.3	10.15	17.5	57.8	9.86	17.6	56.7	9.90	17.6	52.1	8.77	17.8	49.5	8.19	17.9
	25	95	61.5	9.08	17.1	58.7	8.60	17.4	56.7	8.53	17.7	52.1	7.62	18.3	49.5	7.06	18.6
	25	190	62.1	9.00	21.0	58.7	8.52	21.2	56.7	8.36	21.4	52.1	7.42	21.6	49.5	6.85	21.8
	25	285	62.5	8.64	22.3	58.7	8.22	22.5	56.7	8.36	22.6	52.1	7.42	22.8	49.5	6.85	22.9
	30	95	62.3	8.20	21.8	58.7	7.66	22.3	56.7	7.37	22.6	52.1	6.65	23.1	49.5	6.08	23.4
	30	190	62.3	8.04	25.9	58.7	7.47	26.1	56.7	7.20	26.3	52.1	6.48	26.6	49.5	6.08	26.7
	30	285	62.3	7.74	27.3	58.7	7.18	27.4	56.7	7.20	27.5	52.1	6.48	27.7	49.5	5.82	27.8
	35	95	62.3	7.47	26.7	58.7	6.92	27.2	56.7	6.61	27.4	52.1	5.90	28.0	49.5	5.52	28.4
	35	190	62.3	7.62	30.9	58.7	6.71	31.1	56.7	6.41	31.2	52.1	5.71	31.5	49.5	5.52	31.7
	35	285	62.3	6.99	32.2	58.7	6.85	32.4	56.7	6.11	32.5	52.1	5.71	32.7	49.5	5.52	32.8
	40	95	62.3	6.92	31.6	58.7	6.36	32.1	56.7	5.82	32.3	52.1	5.35	33.0	49.5	4.94	33.3
	40	190	62.3	6.52	35.8	58.7	6.17	36.0	56.7	5.63	36.1	52.1	5.13	36.5	49.5	4.77	36.6
	40	285	62.3	6.52	37.2	58.7	6.17	37.4	56.7	5.63	37.4	52.1	5.13	37.6	49.5	4.94	37.8
	45	95	62.3	6.36	36.6	58.7	5.79	37.0	56.7	5.04	37.2	52.1	4.77	37.9	49.5	4.36	38.2
	45	190	62.3	5.79	40.7	58.7	5.60	41.0	56.7	4.86	41.1	52.1	4.58	41.4	49.5	4.19	41.6
	45	285	62.3	6.65	42.2	58.7	5.90	42.3	56.7	5.13	42.4	52.1	4.58	42.6	49.5	4.19	42.7
80	5	95	56.1	13.25	-1.5	52.6	12.52	-1.0	51.0	11.82	-0.9	46.9	10.85	-0.4	43.0	9.73	0.0
	5	190	56.1	13.49	1.8	52.6	12.76	2.0	51.0	12.04	2.1	46.9	11.08	2.3	43.0	9.93	2.5
	5	285	56.1	13.61	2.9	52.6	12.88	3.0	51.0	12.18	3.0	46.9	11.19	3.2	43.0	10.05	3.3
	10	95	56.1	11.66	3.3	52.6	11.09	3.7	51.0	10.66	3.9	46.9	9.79	4.4	43.0	8.84	4.8
	10	190	56.1	11.69	6.6	52.6	11.14	6.9	51.0	10.70	7.0	46.9	9.75	7.2	43.0	8.86	7.4
	10	285	56.1	11.66	7.8	52.6	11.09	7.9	51.0	10.66	8.0	46.9	9.80	8.1	43.0	8.91	8.3
	15	95	56.1	10.06	8.0	52.6	9.68	8.5	51.0	9.51	8.7	47.1	8.72	9.2	44.4	7.95	9.5
	15	190	56.1	9.89	11.5	52.6	9.53	11.8	51.0	9.35	11.9	47.1	8.42	12.1	44.4	7.79	12.2
	15	285	56.1	9.68	12.7	52.6	9.32	12.8	51.0	9.10	12.9	47.1	8.42	13.1	44.4	7.79	13.2
	20	95	56.1	8.52	12.8	52.6	8.26	13.3	51.0	8.11	13.5	47.1	7.48	14.0	44.4	7.02	14.4
	20	190	56.1	8.52	16.4	52.6	8.15	16.7	51.0	8.26	16.8	47.1	7.18	17.0	44.4	6.70	17.2
	20	285	56.1	8.31	17.6	52.6	8.07	17.8	51.0	8.26	17.8	47.1	7.18	18.0	44.4	6.70	18.1
	25	95	56.4	7.43	17.6	52.8	7.04	18.1	51.0	6.98	18.4	47.1	6.23	18.8	44.4	5.78	19.2
	25	190	56.4	7.36	21.3	52.8	6.97	21.5	51.0	6.84	21.7	47.1	6.07	21.9	44.4	5.60	22.1
	25	285	56.4	7.07	22.5	52.8	6.73	22.7	51.0	6.84	22.8	47.1	6.07	22.9	44.4	5.60	23.0
	30	95	56.4	6.71	22.5	52.8	6.27	23.0	51.0	6.03	23.2	47.1	5.44	23.7	44.4	4.97	24.1
	30	190	56.4	6.58	26.2	52.8	6.11	26.5	51.0	5.89	26.6	47.1	5.30	26.8	44.4	4.97	27.0
	30	285	56.4	6.33	27.5	52.8	5.87	27.6	51.0	5.89	27.7	47.1	5.30	27.9	44.4	4.76	28.0
	35	95	56.4	6.11	27.4	52.8	5.67	27.9	51.0	5.41	28.1	47.1	4.83	28.6	44.4	4.52	29.0
	35	190	56.4	6.23	31.2	52.8	5.49	31.4	51.0	5.25	31.5	47.1	4.67	31.8	44.4	4.52	32.0
	35	285	56.4	5.72	32.4	52.8	5.60	32.6	51.0	5.00	32.7	47.1	4.67	32.9	44.4	4.52	33.0
	40	95	56.4	5.67	32.3	52.8	5.20	32.8	51.0	4.77	33.0	47.1	4.38	33.6	44.4	4.04	33.9
	40	190	56.4	5.34	36.1	52.8	5.05	36.4	51.0	4.61	36.5	47.1	4.20	36.8	44.4	3.90	36.9
	40	285	56.4	5.34	37.4	52.8	5.05	37.6	51.0	4.61	37.7	47.1	4.20	37.8	44.4	4.04	38.0
	45	95	56.4	5.34	37.3	52.8	5.05	37.8	51.0	4.61	38.0	47.1	4.20	38.5	44.4	4.04	38.9
	45	190	56.4	5.34	41.1	52.8	5.05	41.4	51.0	4.61	41.5	47.1	4.20	41.8	44.4	4.04	42.0
	45	285	56.4	5.34	42.4	52.8	5.05	42.6	51.0	4.61	42.7	47.1	4.20	42.8	44.4	4.04	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	95	48.8	11.15	-0.7	45.7	10.53	-0.3	44.4	9.94	-0.2	40.8	9.13	0.2	37.4	8.19	0.6
	5	190	48.8	11.35	2.2	45.7	10.73	2.4	44.4	10.13	2.4	40.8	9.32	2.6	37.4	8.35	2.8
	5	285	48.8	11.45	3.1	45.7	10.83	3.2	44.4	10.25	3.3	40.8	9.41	3.4	37.4	8.45	3.5
	10	95	48.8	9.80	4.1	45.7	9.33	4.5	44.4	8.97	4.7	40.8	8.23	5.1	37.4	7.44	5.5
	10	190	48.8	9.83	7.1	45.7	9.37	7.3	44.4	9.00	7.3	40.8	8.20	7.5	37.4	7.45	7.7
	10	285	48.8	9.80	8.0	45.7	9.33	8.2	44.4	8.97	8.2	40.8	8.24	8.4	37.4	7.49	8.5
	15	95	48.8	8.46	8.9	45.7	8.14	9.3	44.4	7.99	9.5	41.0	7.33	9.9	38.6	6.68	10.2
	15	190	48.8	8.32	11.9	45.7	8.01	12.2	44.4	7.86	12.2	41.0	7.08	12.4	38.6	6.55	12.6
	15	285	48.8	8.14	13.0	45.7	7.84	13.1	44.4	7.66	13.2	41.0	7.08	13.3	38.6	6.55	13.4
	20	95	48.8	7.16	13.7	45.7	6.94	14.1	44.4	6.82	14.3	41.0	6.29	14.8	38.6	5.90	15.1
	20	190	48.8	7.16	16.9	45.7	6.86	17.1	44.4	6.95	17.2	41.0	6.04	17.4	38.6	5.64	17.5
	20	285	48.8	6.99	17.9	45.7	6.79	18.0	44.4	6.95	18.1	41.0	6.04	18.2	38.6	5.64	18.3
	25	95	49.1	6.25	18.5	46.0	5.92	19.0	44.4	5.87	19.2	41.0	5.24	19.6	38.6	4.86	19.9
	25	190	49.1	6.19	21.8	46.0	5.86	22.0	44.4	5.75	22.1	41.0	5.11	22.3	38.6	4.71	22.4
	25	285	49.1	5.95	22.8	46.0	5.66	23.0	44.4	5.75	23.1	41.0	5.11	23.2	38.6	4.71	23.3
	30	95	49.1	5.65	23.4	46.0	5.27	23.9	44.4	5.07	24.1	41.0	4.58	24.5	38.6	4.18	24.8
	30	190	49.1	5.53	26.7	46.0	5.14	26.9	44.4	4.95	27.0	41.0	4.46	27.2	38.6	4.18	27.4
	30	285	49.1	5.33	27.8	46.0	4.94	27.9	44.4	4.95	28.0	41.0	4.46	28.2	38.6	4.00	28.3
	35	95	49.1	5.14	28.4	46.0	4.76	28.8	44.4	4.55	29.0	41.0	4.06	29.4	38.6	3.80	29.7
	35	190	49.1	5.24	31.7	46.0	4.62	31.9	44.4	4.41	32.0	41.0	3.93	32.2	38.6	3.80	32.4
	35	285	49.1	4.81	32.8	46.0	4.71	32.9	44.4	4.20	33.0	41.0	3.93	33.1	38.6	3.80	33.2
	40	95	49.1	4.76	33.3	46.0	4.37	33.7	44.4	4.01	33.9	41.0	3.68	34.4	38.6	3.40	34.7
	40	190	49.1	4.49	36.6	46.0	4.24	36.9	44.4	3.87	36.9	41.0	3.53	37.2	38.6	3.28	37.3
	40	285	49.1	4.49	37.8	46.0	4.24	37.9	44.4	3.87	38.0	41.0	3.53	38.1	38.6	3.40	38.2
	45	95	49.1	4.49	38.3	46.0	4.24	38.7	44.4	3.87	38.9	41.0	3.53	39.3	38.6	3.40	39.7
	45	190	49.1	4.49	41.6	46.0	4.24	41.9	44.4	3.87	41.9	41.0	3.53	42.2	38.6	3.40	42.3
	45	285	49.1	4.49	42.8	46.0	4.24	42.9	44.4	3.87	43.0	41.0	3.53	43.1	38.6	3.40	43.2
60	5	95	41.8	8.92	0.0	39.1	8.42	0.4	38.0	7.95	0.5	34.9	7.30	0.8	32.0	6.55	1.2
	5	190	41.8	9.08	2.5	39.1	8.58	2.7	38.0	8.10	2.7	34.9	7.46	2.9	32.0	6.68	3.1
	5	285	41.8	9.16	3.4	39.1	8.66	3.5	38.0	8.20	3.5	34.9	7.53	3.6	32.0	6.76	3.7
	10	95	41.8	7.84	4.9	39.1	7.46	5.2	38.0	7.17	5.3	34.9	6.58	5.7	32.0	5.95	6.1
	10	190	41.8	7.87	7.4	39.1	7.50	7.6	38.0	7.20	7.7	34.9	6.56	7.9	32.0	5.96	8.0
	10	285	41.8	7.84	8.3	39.1	7.46	8.4	38.0	7.17	8.4	34.9	6.60	8.6	32.0	6.00	8.7
	15	95	41.8	6.77	9.7	39.1	6.51	10.1	38.0	6.40	10.2	35.1	5.87	10.6	33.1	5.35	10.8
	15	190	41.8	6.65	12.3	39.1	6.41	12.5	38.0	6.29	12.6	35.1	5.67	12.8	33.1	5.24	12.9
	15	285	41.8	6.51	13.2	39.1	6.27	13.3	38.0	6.12	13.4	35.1	5.67	13.5	33.1	5.24	13.6
	20	95	41.8	5.73	14.6	39.1	5.56	14.9	38.0	5.45	15.1	35.1	5.03	15.5	33.1	4.72	15.7
	20	190	41.8	5.73	17.3	39.1	5.49	17.5	38.0	5.56	17.6	35.1	4.83	17.7	33.1	4.51	17.8
	20	285	41.8	5.59	18.2	39.1	5.43	18.3	38.0	5.56	18.4	35.1	4.83	18.5	33.1	4.51	18.6
	25	95	42.0	5.00	19.4	39.3	4.74	19.8	38.0	4.70	20.0	35.1	4.19	20.3	33.1	3.89	20.6
	25	190	42.0	4.96	22.2	39.3	4.69	22.4	38.0	4.60	22.5	35.1	4.09	22.7	33.1	3.77	22.8
	25	285	42.0	4.76	23.1	39.3	4.53	23.2	38.0	4.60	23.3	35.1	4.09	23.4	33.1	3.77	23.5
	30	95	42.0	4.52	24.3	39.3	4.22	24.7	38.0	4.06	24.9	35.1	3.66	25.3	33.1	3.35	25.5
	30	190	42.0	4.42	27.2	39.3	4.11	27.3	38.0	3.96	27.4	35.1	3.57	27.6	33.1	3.35	27.8
	30	285	42.0	4.26	28.1	39.3	3.95	28.2	38.0	3.96	28.3	35.1	3.57	28.4	33.1	3.20	28.5
	35	95	42.0	4.11	29.3	39.3	3.81	29.6	38.0	3.64	29.8	35.1	3.25	30.2	33.1	3.04	30.5
	35	190	42.0	4.19	32.1	39.3	3.70	32.3	38.0	3.53	32.4	35.1	3.14	32.6	33.1	3.04	32.7
	35	285	42.0	3.85	33.1	39.3	3.77	33.2	38.0	3.36	33.3	35.1	3.14	33.4	33.1	3.04	33.5
	40	95	42.0	3.81	34.2	39.3	3.50	34.6	38.0	3.21	34.8	35.1	2.94	35.2	33.1	2.72	35.4
	40	190	42.0	3.59	37.1	39.3	3.40	37.3	38.0	3.10	37.4	35.1	2.83	37.6	33.1	2.63	37.7
	40	285	42.0	3.59	38.1	39.3	3.40	38.2	38.0	3.10	38.2	35.1	2.83	38.4	33.1	2.72	38.5
	45	95	42.0	3.59	39.2	39.3	3.40	39.6	38.0	3.10	39.7	35.1	2.83	40.1	33.1	2.72	40.4
	45	190	42.0	3.59	42.1	39.3	3.40	42.3	38.0	3.10	42.4	35.1	2.83	42.6	33.1	2.72	42.7
	45	285	42.0	3.59	43.1	39.3	3.40	43.2	38.0	3.10	43.2	35.1	2.83	43.4	33.1	2.72	43.5
50	5	95	34.8	7.18	0.8	32.5	6.78	1.1	31.6	6.40	1.2	29.0	5.88	1.5	26.6	5.27	1.8
	5	190	34.8	7.31	2.9	32.5	6.91	3.1	31.6	6.52	3.1	29.0	6.00	3.3	26.6	5.37	3.4
	5	285	34.8	7.37	3.6	32.5	6.97	3.7	31.6	6.60	3.7	29.0	6.06	3.8	26.6	5.44	3.9
	10	95	34.8	6.31	5.7	32.5	6.00	6.0	31.6	5.77	6.1	29.0	5.30	6.4	26.6	4.79	6.7
	10	190	34.8	6.33	7.9	32.5	6.03	8.0	31.6	5.79	8.1	29.0	5.28	8.2	26.6	4.80	8.4
	10	285	34.8	6.31	8.6	32.5	6.00	8.7	31.6	5.77	8.7	29.0	5.31	8.8	26.6	4.82	8.9
	15	95	34.8	5.45	10.6	32.5	5.24	10.9	31.6	5.15	11.0	29.2	4.72	11.3	27.5	4.30	11.5
	15	190	34.8	5.35	12.8	32.5	5.16	12.9	31.6	5.06	13.0	29.2	4.56	13.1	27.5	4.22	13.2
	15	285	34.8	5.24	13.5	32.5	5.05	13.6	31.6	4.93	13.7	29.2	4.56	13.8	27.5	4.22	13.8
	20	95	34.8	4.61	15.5	32.5	4.47	15.8	31.6	4.39	15.9	29.2	4.05	16.2	27.5	3.80	16.4
	20	190	34.8	4.61	17.7	32.5	4.41	17.9	31.6	4.47	18.0	29.2	3.89	18.1	27.5	3.63	18.2
	20	285	34.8	4.50	18.5	32.5	4.37	18.6	31.6	4.47	18.6	29.2	3.89	18.7	27.5	3.63	18.8
	25	95	34.9	4.02	20.3	32.7	3.81	20.6	31.6	3.78	20.8	29.2	3.37	21.1	27.5	3.13	21.3
	25	190	34.9	3.99	22.7	32.7	3.77	22.8	31.6	3.70	22.9	29.2	3.29	23.0	27.5	3.03	23.2
	25	285	34.9	3.83	23.4	32.7	3.64	23.5	31.6	3.70	23.6	29.2	3.29	23.7	27.5	3.03	23.8
	30	95	34.9	3.63	25.3	32.7	3.39	25.6	31.6	3.27	25.7	29.2	2.95	26.0	27.5	2.69	26.3
	30	190	34.9	3.56	27.6	32.7	3.31	27.8	31.6	3.19	27.9	29.2	2.87	28.0	27.5	2.69	28.1
	30	285	34.9	3.43	28.4	32.7	3.18	28.5	31.6	3.19	28.6	29.2	2.87	28.7	27.5	2.58	28.7
	35	95	34.9	3.31	30.2	32.7	3.07	30.5	31.6	2.93	30.7	29.2	2.62	31.0	27.5	2.45	31.2
	35	190	34.9	3.37	32.6	32.7	2.97	32.8	31.6	2.84	32.8	29.2	2.53	33.0	27.5	2.45	33.1
	35	285	34.9	3.10	33.4	32.7	3.03	33.5	31.6	2.71	33.5	29.2	2.53	33.7	27.5	2.45	33.7
	40	95	34.9	3.07	35.2	32.7	2.82	35.5	31.6	2.58	35.6	29.2	2.37	36.0	27.5	2.19	36.2
	40	190	34.9	2.89	37.6	32.7	2.73	37.7	31.6	2.49	37.8	29.2	2.27	38.0	27.5	2.11	38.1
	40	285	34.9	2.89	38.4	32.7	2.73	38.5	31.6	2.49	38.5	29.2	2.27	38.6	27.5	2.19	38.7
	45	95	34.9	2.89	40.2	32.7	2.73	40.5	31.6	2.49	40.6	29.2	2.27	40.9	27.5	2.19	41.2
	45	190	34.9	2.89	42.6	32.7	2.73	42.7	31.6	2.49	42.8	29.2	2.27	43.0	27.5	2.19	43.1
	45	285	34.9	2.89	43.4	32.7	2.73	43.5	31.6	2.49	43.5	29.2	2.27	43.6	27.5	2.19	43.7

12. Capacity Table

1-7. AM220FXWANR✶ ✶ ✶

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	105	62.0	4.40	19.1	68.2	5.23	20.0	73.3	5.73	20.8	78.6	6.08	21.6	80.7	6.15	21.9
	10	210	62.0	4.08	14.5	68.2	4.84	15.0	73.3	5.47	15.4	78.6	5.74	15.8	80.7	5.74	15.9
	10	315	62.0	4.01	13.0	68.2	4.82	13.3	73.3	5.17	13.6	78.6	5.64	13.8	80.7	5.76	13.9
	15	105	60.9	5.67	24.1	67.1	6.72	25.1	72.2	7.46	25.9	77.3	7.82	26.6	79.4	7.99	26.9
	15	210	60.9	5.29	19.5	67.1	6.22	20.0	72.2	6.95	20.4	77.3	7.31	20.8	79.4	7.47	20.9
	15	315	60.9	5.14	18.0	67.1	6.07	18.3	72.2	6.72	18.6	77.3	7.05	18.8	79.4	7.27	18.9
	20	105	60.1	6.76	29.1	66.2	7.91	30.1	71.3	8.83	30.9	76.2	9.26	31.7	78.3	9.46	32.0
	20	210	60.1	6.63	24.6	66.2	7.79	25.0	71.3	8.71	25.5	76.2	9.15	25.8	78.3	9.32	26.0
	20	315	60.1	6.40	23.0	66.2	7.56	23.4	71.3	8.45	23.6	76.2	8.81	23.9	78.3	9.08	24.0
	25	105	60.1	8.49	34.4	66.2	9.99	35.4	71.3	11.13	36.2	76.2	11.70	37.0	78.3	11.89	37.3
	25	210	60.1	7.93	29.6	66.2	9.33	30.2	71.3	10.37	30.6	76.2	10.93	30.9	78.3	11.11	31.1
	25	315	60.1	7.63	28.1	66.2	9.03	28.4	71.3	10.05	28.7	76.2	10.54	28.9	78.3	10.84	29.1
	30	105	60.1	9.96	39.6	66.2	11.70	40.6	71.3	13.07	41.5	76.2	13.70	42.3	78.3	13.93	42.6
	30	210	60.1	9.79	34.8	66.2	11.52	35.3	71.3	12.82	35.7	76.2	13.50	36.1	78.3	13.77	36.3
	30	315	60.1	9.48	33.2	66.2	11.16	33.5	71.3	12.44	33.8	76.2	13.06	34.1	78.3	13.40	34.2
	35	105	56.8	10.36	44.2	62.7	12.20	45.2	67.4	13.61	46.1	72.3	14.26	46.8	74.0	14.51	47.1
	35	210	56.8	10.16	39.6	62.7	12.00	40.1	67.4	13.37	40.5	72.3	14.05	40.9	74.0	14.35	41.0
	35	315	56.8	9.89	38.0	62.7	11.63	38.4	67.4	12.93	38.7	72.3	13.60	38.9	74.0	13.97	39.0
	40	105	47.5	10.79	48.0	52.3	12.70	48.9	56.3	14.16	49.6	60.3	14.86	50.3	62.0	15.15	50.5
	40	210	47.9	10.61	44.0	52.7	12.51	44.5	56.8	13.90	44.8	60.8	14.63	45.1	62.5	14.95	45.3
	40	315	48.6	10.28	42.7	53.5	12.08	43.0	57.6	13.50	43.2	61.7	14.16	43.5	63.4	14.59	43.6
	45	105	39.6	11.14	51.9	43.5	13.12	52.7	46.7	14.64	53.4	50.1	15.33	53.9	51.4	15.65	54.2
	45	210	39.9	10.96	48.5	43.8	12.90	48.9	47.1	14.36	49.2	50.5	15.15	49.5	51.9	15.44	49.6
	45	315	40.5	10.60	47.3	44.5	12.46	47.6	47.8	13.94	47.8	51.2	14.62	48.0	52.6	15.08	48.1
120	10	105	58.7	4.17	18.6	64.6	4.96	19.5	69.5	5.44	20.2	74.4	5.75	20.9	76.3	5.82	21.2
	10	210	58.7	3.90	14.3	64.6	4.63	14.7	69.5	5.17	15.1	74.4	5.42	15.5	76.3	5.43	15.6
	10	315	58.7	3.72	12.8	64.6	4.56	13.1	69.5	4.88	13.4	74.4	5.34	13.6	76.3	5.51	13.7
	15	105	58.1	5.43	23.7	63.8	6.40	24.6	68.6	7.15	25.3	73.6	7.49	26.1	75.5	7.62	26.3
	15	210	58.1	5.07	19.3	63.8	5.96	19.8	68.6	6.66	20.1	73.6	6.98	20.5	75.5	7.12	20.6
	15	315	58.1	4.89	17.9	63.8	5.80	18.2	68.6	6.41	18.4	73.6	6.74	18.7	75.5	6.96	18.8
	20	105	57.4	6.50	28.7	63.1	7.61	29.6	68.0	8.49	30.4	72.9	8.91	31.2	74.8	9.09	31.5
	20	210	57.4	6.36	24.4	63.1	7.47	24.8	68.0	8.37	25.2	72.9	8.79	25.6	74.8	8.94	25.7
	20	315	57.4	6.18	22.9	63.1	7.28	23.2	68.0	8.11	23.5	72.9	8.47	23.7	74.8	8.72	23.8
	25	105	57.4	8.15	34.0	63.1	9.59	34.9	68.0	10.65	35.7	72.9	11.21	36.5	74.8	11.40	36.8
	25	210	57.4	7.58	29.4	63.1	8.95	29.9	68.0	9.96	30.3	72.9	10.45	30.7	74.8	10.65	30.8
	25	315	57.4	7.30	27.9	63.1	8.63	28.3	68.0	9.63	28.5	72.9	10.10	28.8	74.8	10.35	28.9
	30	105	57.4	9.61	39.2	63.1	11.31	40.2	68.0	12.61	41.0	72.9	13.23	41.8	74.8	13.46	42.0
	30	210	57.4	9.45	34.6	63.1	11.11	35.1	68.0	12.39	35.5	72.9	13.03	35.9	74.8	13.27	36.0
	30	315	57.4	9.14	33.0	63.1	10.77	33.4	68.0	12.01	33.6	72.9	12.63	33.9	74.8	12.93	34.0
	35	105	55.2	10.14	43.9	60.8	11.96	44.9	65.5	13.32	45.8	70.0	13.95	46.5	71.9	14.22	46.8
	35	210	55.2	9.95	39.4	60.8	11.74	40.0	65.5	13.09	40.4	70.0	13.75	40.7	71.9	14.02	40.9
	35	315	55.2	9.66	37.9	60.8	11.40	38.3	65.5	12.66	38.6	70.0	13.30	38.8	71.9	13.66	38.9
	40	105	47.0	10.77	47.9	51.9	12.68	48.8	55.9	14.14	49.6	59.6	14.83	50.2	61.4	15.13	50.4
	40	210	47.4	10.59	44.0	52.3	12.48	44.4	56.3	13.88	44.8	60.1	14.58	45.1	61.9	14.90	45.2
	40	315	48.1	10.26	42.7	53.0	12.10	43.0	57.2	13.48	43.2	61.0	14.16	43.4	62.8	14.52	43.5
	45	105	40.0	11.31	52.0	44.3	13.34	52.9	47.8	14.87	53.5	50.9	15.58	54.1	52.3	15.91	54.3
	45	210	40.4	11.14	48.5	44.7	13.11	48.9	48.2	14.61	49.3	51.3	15.35	49.6	52.7	15.67	49.7
	45	315	40.9	10.76	47.4	45.3	12.71	47.6	48.8	14.17	47.9	52.1	14.89	48.0	53.5	15.21	48.1
110	10	105	55.4	3.93	18.1	61.0	4.67	19.0	65.7	5.16	19.7	70.4	5.44	20.4	72.1	5.51	20.6
	10	210	55.4	3.67	14.0	61.0	4.35	14.5	65.7	4.90	14.8	70.4	5.16	15.2	72.1	5.13	15.3
	10	315	55.4	3.55	12.7	61.0	4.27	13.0	65.7	4.67	13.2	70.4	5.05	13.4	72.1	5.15	13.5
	15	105	55.2	5.22	23.2	60.8	6.16	24.1	65.4	6.87	24.9	70.2	7.20	25.6	72.0	7.34	25.8
	15	210	55.2	4.87	19.1	60.8	5.73	19.5	65.4	6.40	19.9	70.2	6.72	20.2	72.0	6.84	20.4
	15	315	55.2	4.71	17.7	60.8	5.55	18.0	65.4	6.19	18.3	70.2	6.49	18.5	72.0	6.63	18.6
	20	105	55.1	6.30	28.4	60.7	7.39	29.3	65.3	8.25	30.0	69.9	8.64	30.7	71.8	8.81	31.0
	20	210	55.1	6.17	24.2	60.7	7.26	24.6	65.3	8.11	25.0	69.9	8.51	25.4	71.8	8.66	25.5
	20	315	55.1	5.99	22.8	60.7	7.05	23.1	65.3	7.86	23.3	69.9	8.24	23.6	71.8	8.40	23.6
	25	105	55.1	7.86	33.6	60.7	9.24	34.5	65.3	10.29	35.3	69.9	10.80	36.0	71.8	11.00	36.3
	25	210	55.1	7.32	29.3	60.7	8.62	29.7	65.3	9.60	30.1	69.9	10.07	30.5	71.8	10.25	30.6
	25	315	55.1	7.06	27.8	60.7	8.32	28.1	65.3	9.28	28.4	69.9	9.74	28.6	71.8	9.93	28.7
	30	105	55.1	9.38	38.8	60.7	11.04	39.8	65.3	12.31	40.6	69.9	12.92	41.3	71.8	13.15	41.6
	30	210	55.1	9.23	34.4	60.7	10.86	34.9	65.3	12.09	35.3	69.9	12.70	35.6	71.8	12.93	35.8
	30	315	55.1	8.93	32.9	60.7	10.53	33.2	65.3	11.73	33.5	69.9	12.30	33.7	71.8	12.56	33.8
	35	105	54.4	10.11	43.8	60.1	11.91	44.8	64.5	13.28	45.6	69.3	13.91	46.4	71.0	14.18	46.6
	35	210	54.4	9.94	39.4	60.1	11.71	39.9	64.5	13.05	40.3	69.3	13.68	40.7	71.0	13.95	40.8
	35	315	54.4	9.63	37.9	60.1	11.35	38.3	64.5	12.63	38.5	69.3	13.27	38.8	71.0	13.54	38.8
	40	105	47.8	11.08	48.0	52.8	13.04	49.0	56.7	14.53	49.7	60.8	15.24	50.4	62.5	15.54	50.7
	40	210	48.2	10.88	44.0	53.2	12.82	44.5	57.2	14.28	44.9	61.3	14.98	45.2	63.0	15.28	45.3
	40	315	48.9	10.54	42.7	54.0	12.43	43.0	58.0	13.84	43.3	62.2	14.54	43.5	63.9	14.83	43.6
	45	105	42.4	11.95	52.4	46.7	14.06	53.3	50.3	15.67	54.0	53.9	16.43	54.6	55.3	16.75	54.8
	45	210	42.8	11.73	48.7	47.1	13.81	49.2	50.7	15.39	49.5	54.4	16.18	49.8	55.8	16.47	49.9
	45	315	43.4	11.35	47.5	47.8	13.40	47.8	51.4	14.93	48.0	55.2	15.68	48.2	56.6	15.97	48.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	105	51.9	3.71	17.6	57.3	4.36	18.4	61.6	4.86	19.1	66.1	5.10	19.7	67.8	5.20	20.0
	10	210	51.9	3.45	13.8	57.3	4.09	14.2	61.6	4.63	14.5	66.1	4.83	14.8	67.8	4.83	15.0
	10	315	51.9	3.34	12.5	57.3	4.01	12.8	61.6	4.37	13.0	66.1	4.74	13.2	67.8	4.81	13.3
	15	105	51.9	4.95	22.8	57.3	5.82	23.6	61.6	6.49	24.3	66.1	6.81	24.9	67.8	6.93	25.2
	15	210	51.9	4.61	18.9	57.3	5.43	19.3	61.6	6.05	19.6	66.1	6.34	19.9	67.8	6.46	20.1
	15	315	51.9	4.46	17.6	57.3	5.25	17.8	61.6	5.84	18.1	66.1	6.13	18.3	67.8	6.25	18.4
	20	105	51.9	5.96	27.9	57.3	7.02	28.8	61.6	7.82	29.5	66.1	8.20	30.1	67.8	8.36	30.4
	20	210	51.9	5.86	23.9	57.3	6.90	24.4	61.6	7.69	24.7	66.1	8.06	25.1	67.8	8.22	25.2
	20	315	51.9	5.68	22.6	57.3	6.69	22.9	61.6	7.45	23.1	66.1	7.82	23.4	67.8	7.96	23.4
	25	105	51.9	7.43	33.1	57.3	8.75	34.0	61.6	9.74	34.7	66.1	10.22	35.4	67.8	10.41	35.7
	25	210	51.9	6.92	29.0	57.3	8.15	29.5	61.6	9.08	29.8	66.1	9.53	30.2	67.8	9.70	30.3
	25	315	51.9	6.69	27.7	57.3	7.88	28.0	61.6	8.78	28.2	66.1	9.21	28.4	67.8	9.38	28.5
	30	105	51.9	8.93	38.3	57.3	10.51	39.3	61.6	11.71	40.0	66.1	12.28	40.7	67.8	12.51	41.0
	30	210	51.9	8.77	34.1	57.3	10.33	34.6	61.6	11.51	35.0	66.1	12.08	35.3	67.8	12.30	35.5
	30	315	51.9	8.50	32.7	57.3	10.01	33.1	61.6	11.16	33.3	66.1	11.70	33.5	67.8	11.92	33.6
	35	105	51.9	9.70	43.4	57.3	11.42	44.4	61.6	12.72	45.1	66.1	13.35	45.8	67.8	13.60	46.1
	35	210	51.9	9.53	39.2	57.3	11.23	39.7	61.6	12.51	40.1	66.1	13.12	40.4	67.8	13.37	40.5
	35	315	51.9	9.24	37.8	57.3	10.88	38.1	61.6	12.12	38.4	66.1	12.72	38.6	67.8	12.96	38.7
	40	105	46.2	10.75	47.8	51.0	12.65	48.7	54.8	14.10	49.4	58.8	14.79	50.0	60.3	15.07	50.3
	40	210	46.6	10.56	43.9	51.4	12.44	44.4	55.3	13.86	44.7	59.3	14.54	45.0	60.8	14.81	45.2
	40	315	47.2	10.24	42.6	52.1	12.06	42.9	56.0	13.43	43.2	60.1	14.09	43.4	61.7	14.35	43.5
	45	105	41.5	11.70	52.3	45.8	13.77	53.1	49.2	15.34	53.8	52.8	16.10	54.4	54.1	16.40	54.6
	45	210	41.8	11.50	48.6	46.2	13.54	49.1	49.6	15.08	49.4	53.2	15.82	49.7	54.6	16.12	49.8
	45	315	42.4	11.14	47.4	46.8	13.12	47.7	50.3	14.62	48.0	54.0	15.34	48.2	55.4	15.62	48.2
90	10	105	46.9	3.17	16.8	51.7	3.74	17.6	55.6	4.16	18.2	59.6	4.37	18.7	61.2	4.45	19.0
	10	210	46.9	3.12	13.4	51.7	3.67	13.8	55.6	4.09	14.1	59.6	4.29	14.4	61.2	4.37	14.5
	10	315	46.9	3.02	12.3	51.7	3.56	12.5	55.6	3.97	12.7	59.6	4.16	12.9	61.2	4.24	13.0
	15	105	46.9	4.24	22.0	51.7	4.99	22.7	55.6	5.56	23.3	59.6	5.83	23.9	61.2	5.94	24.2
	15	210	46.9	4.17	18.5	51.7	4.90	18.9	55.6	5.46	19.2	59.6	5.73	19.5	61.2	5.84	19.6
	15	315	46.9	4.04	17.3	51.7	4.75	17.6	55.6	5.30	17.8	59.6	5.56	18.0	61.2	5.66	18.0
	20	105	46.9	5.11	27.1	51.7	6.01	27.9	55.6	6.70	28.5	59.6	7.03	29.1	61.2	7.16	29.3
	20	210	46.9	5.02	23.5	51.7	5.91	23.9	55.6	6.59	24.2	59.6	6.91	24.5	61.2	7.04	24.7
	20	315	46.9	4.87	22.4	51.7	5.73	22.6	55.6	6.38	22.8	59.6	6.70	23.0	61.2	6.82	23.1
	25	105	46.9	6.36	32.3	51.7	7.49	33.1	55.6	8.35	33.7	59.6	8.76	34.3	61.2	8.92	34.6
	25	210	46.9	6.25	28.6	51.7	7.36	29.0	55.6	8.20	29.4	59.6	8.61	29.7	61.2	8.77	29.8
	25	315	46.9	6.06	27.4	51.7	7.14	27.7	55.6	7.95	27.9	59.6	8.34	28.1	61.2	8.50	28.2
	30	105	46.9	7.65	37.4	51.7	9.00	38.3	55.6	10.03	39.0	59.6	10.52	39.6	61.2	10.72	39.8
	30	210	46.9	7.52	33.7	51.7	8.85	34.1	55.6	9.86	34.5	59.6	10.34	34.8	61.2	10.54	34.9
	30	315	46.9	7.28	32.5	51.7	8.58	32.7	55.6	9.56	33.0	59.6	10.03	33.2	61.2	10.21	33.2
	35	105	46.9	8.31	42.5	51.7	9.78	43.4	55.6	10.90	44.1	59.6	11.44	44.7	61.2	11.65	44.9
	35	210	46.9	8.17	38.8	51.7	9.62	39.2	55.6	10.71	39.5	59.6	11.24	39.8	61.2	11.45	40.0
	35	315	46.9	7.92	37.5	51.7	9.32	37.8	55.6	10.38	38.0	59.6	10.89	38.2	61.2	11.10	38.3
	40	105	41.7	9.21	46.9	46.0	10.84	47.8	49.5	12.08	48.4	53.0	12.67	49.0	54.4	12.91	49.2
	40	210	42.0	9.05	43.5	46.4	10.66	43.9	49.9	11.87	44.2	53.5	12.45	44.5	54.9	12.69	44.6
	40	315	42.6	8.77	42.3	47.1	10.33	42.6	50.6	11.51	42.8	54.3	12.07	43.0	55.6	12.30	43.1
	45	105	37.4	10.02	51.5	41.3	11.80	52.3	44.4	13.14	52.9	47.6	13.79	53.4	48.8	14.05	53.6
	45	210	37.7	9.85	48.2	41.7	11.60	48.6	44.8	12.92	48.9	48.0	13.56	49.2	49.3	13.81	49.3
	45	315	38.3	9.55	47.2	42.3	11.24	47.4	45.4	12.52	47.6	48.7	13.14	47.8	50.0	13.38	47.9
80	10	105	41.6	2.66	16.0	46.0	3.13	16.7	49.4	3.49	17.2	53.0	3.66	17.7	54.3	3.73	17.9
	10	210	41.6	2.61	13.0	46.0	3.08	13.3	49.4	3.43	13.6	53.0	3.60	13.9	54.3	3.67	14.0
	10	315	41.6	2.53	12.0	46.0	2.98	12.2	49.4	3.32	12.4	53.0	3.49	12.6	54.3	3.55	12.6
	15	105	41.6	3.55	21.2	46.0	4.18	21.8	49.4	4.66	22.4	53.0	4.89	22.9	54.3	4.98	23.1
	15	210	41.6	3.49	18.1	46.0	4.11	18.4	49.4	4.58	18.7	53.0	4.80	18.9	54.3	4.89	19.0
	15	315	41.6	3.38	17.0	46.0	3.98	17.3	49.4	4.44	17.4	53.0	4.65	17.6	54.3	4.74	17.7
	20	105	41.6	4.28	26.3	46.0	5.04	27.0	49.4	5.61	27.5	53.0	5.89	28.0	54.3	6.00	28.2
	20	210	41.6	4.21	23.1	46.0	4.95	23.5	49.4	5.52	23.7	53.0	5.79	24.0	54.3	5.90	24.1
	20	315	41.6	4.08	22.1	46.0	4.80	22.3	49.4	5.35	22.5	53.0	5.61	22.7	54.3	5.71	22.7
	25	105	41.6	5.33	31.4	46.0	6.28	32.1	49.4	6.99	32.7	53.0	7.34	33.2	54.3	7.47	33.4
	25	210	41.6	5.24	28.2	46.0	6.17	28.6	49.4	6.87	28.8	53.0	7.21	29.1	54.3	7.35	29.2
	25	315	41.6	5.08	27.1	46.0	5.98	27.4	49.4	6.66	27.6	53.0	6.99	27.7	54.3	7.12	27.8
	30	105	41.6	6.41	36.6	46.0	7.54	37.3	49.4	8.40	37.9	53.0	8.82	38.4	54.3	8.98	38.6
	30	210	41.6	6.30	33.3	46.0	7.41	33.6	49.4	8.26	33.9	53.0	8.67	34.2	54.3	8.83	34.3
	30	315	41.6	6.10	32.2	46.0	7.19	32.4	49.4	8.01	32.6	53.0	8.40	32.8	54.3	8.56	32.9
	35	105	41.6	6.96	41.6	46.0	8.20	42.4	49.4	9.13	43.0	53.0	9.58	43.5	54.3	9.76	43.8
	35	210	41.6	6.84	38.3	46.0	8.06	38.7	49.4	8.98	39.0	53.0	9.42	39.3	54.3	9.59	39.4
	35	315	41.6	6.63	37.2	46.0	7.81	37.4	49.4	8.70	37.6	53.0	9.13	37.8	54.3	9.30	37.9
	40	105	37.0	7.71	46.1	40.9	9.08	46.8	43.9	10.12	47.4	47.1	10.61	47.9	48.3	10.81	48.1
	40	210	37.3	7.58	43.1	41.2	8.93	43.4	44.3	9.94	43.7	47.5	10.43	44.0	48.7	10.63	44.1
	40	315	37.9	7.35	42.1	41.8	8.65	42.3	44.9	9.64	42.5	48.2	10.11	42.7	49.4	10.30	42.7
	45	105	33.3	8.39	50.7	36.7	9.88	51.4	39.5	11.01	51.9	42.3	11.55	52.4	43.4	11.77	52.5
	45	210	33.5	8.25	47.9	37.0	9.72	48.2	39.8	10.82	48.5	42.7	11.36	48.7	43.8	11.57	48.8
	45	315	34.0	8.00	46.9	37.5	9.42	47.1	40.4	10.49	47.3	43.3	11.01	47.5	44.4	11.21	47.5

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	105	36.4	2.22	15.3	40.2	2.61	15.8	43.2	2.91	16.3	46.3	3.05	16.7	47.5	3.11	16.9
	10	210	36.4	2.18	12.6	40.2	2.57	12.9	43.2	2.86	13.1	46.3	3.00	13.4	47.5	3.06	13.5
	10	315	36.4	2.11	11.8	40.2	2.49	11.9	43.2	2.77	12.1	46.3	2.91	12.2	47.5	2.96	12.3
	15	105	36.4	2.96	20.4	40.2	3.49	21.0	43.2	3.88	21.4	46.3	4.07	21.9	47.5	4.15	22.0
	15	210	36.4	2.91	17.7	40.2	3.43	18.0	43.2	3.82	18.2	46.3	4.01	18.4	47.5	4.08	18.5
	15	315	36.4	2.82	16.8	40.2	3.32	17.0	43.2	3.70	17.1	46.3	3.88	17.3	47.5	3.95	17.3
	20	105	36.4	3.57	25.5	40.2	4.20	26.1	43.2	4.68	26.5	46.3	4.91	27.0	47.5	5.00	27.2
	20	210	36.4	3.51	22.7	40.2	4.13	23.0	43.2	4.60	23.3	46.3	4.83	23.5	47.5	4.92	23.6
	20	315	36.4	3.40	21.8	40.2	4.00	22.0	43.2	4.46	22.2	46.3	4.68	22.3	47.5	4.77	22.4
	25	105	36.4	4.45	30.6	40.2	5.24	31.2	43.2	5.83	31.7	46.3	6.12	32.2	47.5	6.23	32.3
	25	210	36.4	4.37	27.8	40.2	5.15	28.1	43.2	5.73	28.3	46.3	6.01	28.6	47.5	6.13	28.7
	25	315	36.4	4.24	26.8	40.2	4.99	27.1	43.2	5.56	27.2	46.3	5.83	27.4	47.5	5.94	27.4
	30	105	36.4	5.34	35.7	40.2	6.29	36.3	43.2	7.01	36.9	46.3	7.35	37.3	47.5	7.49	37.5
	30	210	36.4	5.25	32.8	40.2	6.18	33.2	43.2	6.89	33.4	46.3	7.23	33.7	47.5	7.36	33.7
	30	315	36.4	5.09	31.9	40.2	5.99	32.1	43.2	6.68	32.3	46.3	7.01	32.4	47.5	7.14	32.5
	35	105	36.4	5.81	40.8	40.2	6.84	41.4	43.2	7.62	41.9	46.3	7.99	42.4	47.5	8.14	42.6
	35	210	36.4	5.71	37.9	40.2	6.72	38.2	43.2	7.49	38.5	46.3	7.85	38.7	47.5	8.00	38.8
	35	315	36.4	5.53	36.9	40.2	6.51	37.1	43.2	7.26	37.3	46.3	7.61	37.5	47.5	7.76	37.5
	40	105	32.4	6.43	45.3	35.7	7.57	45.9	38.4	8.44	46.4	41.2	8.85	46.8	42.2	9.02	47.0
	40	210	32.6	6.32	42.7	36.0	7.45	43.0	38.7	8.30	43.2	41.5	8.70	43.4	42.6	8.87	43.5
	40	315	33.1	6.13	41.8	36.5	7.22	42.0	39.3	8.04	42.2	42.1	8.43	42.3	43.2	8.59	42.4
	45	105	29.1	7.00	49.9	32.1	8.24	50.5	34.5	9.19	51.0	37.0	9.64	51.4	37.9	9.82	51.5
	45	210	29.3	6.88	47.5	32.4	8.10	47.8	34.8	9.03	48.0	37.3	9.47	48.2	38.3	9.65	48.3
	45	315	29.7	6.67	46.7	32.8	7.85	46.9	35.3	8.75	47.0	37.8	9.18	47.1	38.8	9.35	47.2
60	10	105	31.1	1.74	14.5	34.3	2.05	15.0	36.9	2.29	15.3	39.5	2.40	15.7	40.5	2.44	15.9
	10	210	31.1	1.71	12.2	34.3	2.02	12.5	36.9	2.25	12.7	39.5	2.36	12.9	40.5	2.40	12.9
	10	315	31.1	1.66	11.5	34.3	1.95	11.6	36.9	2.18	11.8	39.5	2.28	11.9	40.5	2.33	12.0
	15	105	31.1	2.33	19.6	34.3	2.74	20.1	36.9	3.05	20.4	39.5	3.20	20.8	40.5	3.26	21.0
	15	210	31.1	2.29	17.3	34.3	2.69	17.5	36.9	3.00	17.7	39.5	3.15	17.9	40.5	3.20	18.0
	15	315	31.1	2.22	16.5	34.3	2.61	16.7	36.9	2.91	16.8	39.5	3.05	16.9	40.5	3.11	17.0
	20	105	31.1	2.80	24.6	34.3	3.30	25.1	36.9	3.68	25.5	39.5	3.86	25.9	40.5	3.93	26.1
	20	210	31.1	2.75	22.3	34.3	3.24	22.6	36.9	3.61	22.8	39.5	3.79	23.0	40.5	3.86	23.0
	20	315	31.1	2.67	21.5	34.3	3.14	21.7	36.9	3.50	21.8	39.5	3.67	22.0	40.5	3.74	22.0
	25	105	31.1	3.49	29.7	34.3	4.11	30.2	36.9	4.58	30.7	39.5	4.81	31.1	40.5	4.90	31.2
	25	210	31.1	3.43	27.4	34.3	4.04	27.6	36.9	4.50	27.8	39.5	4.72	28.0	40.5	4.81	28.1
	25	315	31.1	3.33	26.6	34.3	3.92	26.7	36.9	4.36	26.9	39.5	4.58	27.0	40.5	4.66	27.1
	30	105	31.1	4.20	34.8	34.3	4.94	35.4	36.9	5.50	35.8	39.5	5.77	36.2	40.5	5.88	36.3
	30	210	31.1	4.12	32.4	34.3	4.86	32.7	36.9	5.41	32.9	39.5	5.68	33.1	40.5	5.78	33.2
	30	315	31.1	4.00	31.6	34.3	4.71	31.8	36.9	5.24	31.9	39.5	5.50	32.0	40.5	5.60	32.1
	35	105	31.1	4.56	39.9	34.3	5.37	40.4	36.9	5.98	40.8	39.5	6.28	41.3	40.5	6.39	41.4
	35	210	31.1	4.48	37.4	34.3	5.28	37.7	36.9	5.88	37.9	39.5	6.17	38.1	40.5	6.28	38.2
	35	315	31.1	4.34	36.6	34.3	5.11	36.8	36.9	5.70	36.9	39.5	5.98	37.1	40.5	6.09	37.1
	40	105	27.6	5.05	44.5	30.5	5.95	45.0	32.8	6.63	45.4	35.2	6.95	45.7	36.1	7.08	45.9
	40	210	27.9	4.97	42.2	30.8	5.85	42.5	33.1	6.51	42.7	35.5	6.83	42.9	36.4	6.96	43.0
	40	315	28.3	4.81	41.5	31.2	5.67	41.7	33.5	6.31	41.8	36.0	6.62	41.9	36.9	6.75	42.0
	45	105	24.8	5.50	49.1	27.4	6.47	49.6	29.4	7.21	50.0	31.6	7.57	50.3	32.4	7.71	50.5
	45	210	25.0	5.41	47.1	27.6	6.36	47.3	29.7	7.09	47.5	31.8	7.44	47.7	32.6	7.58	47.7
	45	315	25.4	5.24	46.4	28.0	6.17	46.6	30.1	6.87	46.7	32.3	7.21	46.8	33.1	7.34	46.8
50	10	105	26.0	1.32	13.7	28.7	1.55	14.1	30.9	1.73	14.5	33.1	1.81	14.8	34.0	1.85	14.9
	10	210	26.0	1.29	11.9	28.7	1.52	12.1	30.9	1.70	12.2	33.1	1.78	12.4	34.0	1.81	12.4
	10	315	26.0	1.25	11.2	28.7	1.48	11.4	30.9	1.65	11.5	33.1	1.73	11.6	34.0	1.76	11.6
	15	105	26.0	1.76	18.8	28.7	2.07	19.2	30.9	2.31	19.5	33.1	2.42	19.9	34.0	2.46	20.0
	15	210	26.0	1.73	16.9	28.7	2.03	17.1	30.9	2.27	17.3	33.1	2.38	17.4	34.0	2.42	17.5
	15	315	26.0	1.67	16.3	28.7	1.97	16.4	30.9	2.20	16.5	33.1	2.30	16.6	34.0	2.35	16.7
	20	105	26.0	2.12	23.8	28.7	2.49	24.3	30.9	2.78	24.6	33.1	2.92	24.9	34.0	2.97	25.0
	20	210	26.0	2.08	21.9	28.7	2.45	22.1	30.9	2.73	22.3	33.1	2.87	22.5	34.0	2.92	22.5
	20	315	26.0	2.02	21.3	28.7	2.38	21.4	30.9	2.65	21.5	33.1	2.78	21.6	34.0	2.83	21.7
	25	105	26.0	2.64	28.9	28.7	3.11	29.3	30.9	3.46	29.7	33.1	3.63	30.0	34.0	3.70	30.1
	25	210	26.0	2.59	27.0	28.7	3.05	27.2	30.9	3.40	27.3	33.1	3.57	27.5	34.0	3.64	27.6
	25	315	26.0	2.51	26.3	28.7	2.96	26.4	30.9	3.30	26.6	33.1	3.46	26.7	34.0	3.53	26.7
	30	105	26.0	3.17	34.0	28.7	3.73	34.4	30.9	4.16	34.8	33.1	4.37	35.1	34.0	4.45	35.2
	30	210	26.0	3.12	32.0	28.7	3.67	32.2	30.9	4.09	32.4	33.1	4.29	32.6	34.0	4.37	32.6
	30	315	26.0	3.02	31.3	28.7	3.56	31.5	30.9	3.96	31.6	33.1	4.16	31.7	34.0	4.24	31.7
	35	105	26.0	3.45	39.0	28.7	4.06	39.5	30.9	4.52	39.8	33.1	4.74	40.2	34.0	4.83	40.3
	35	210	26.0	3.39	37.0	28.7	3.99	37.2	30.9	4.44	37.4	33.1	4.66	37.6	34.0	4.75	37.6
	35	315	26.0	3.28	36.3	28.7	3.87	36.5	30.9	4.31	36.6	33.1	4.52	36.7	34.0	4.60	36.8
	40	105	23.2	3.82	43.7	25.6	4.50	44.1	27.5	5.01	44.4	29.5	5.26	44.7	30.2	5.35	44.9
	40	210	23.4	3.75	41.9	25.8	4.42	42.1	27.7	4.92	42.2	29.7	5.17	42.4	30.5	5.26	42.4
	40	315	23.7	3.64	41.2	26.2	4.28	41.4	28.1	4.77	41.5	30.2	5.01	41.6	30.9	5.10	41.6
	45	105	20.8	4.16	48.4	23.0	4.89	48.8	24.7	5.45	49.1	26.5	5.72	49.4	27.1	5.83	49.5
	45	210	21.0	4.09	46.7	23.2	4.81	46.9	24.9	5.36	47.1	26.7	5.62	47.2	27.4	5.73	47.3
	45	315	21.3	3.96	46.1	23.5	4.66	46.3	25.2	5.19	46.4	27.1	5.45	46.5	27.8	5.55	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	105	83.4	18.33	-3.9	82.2	17.50	-3.8	79.5	17.05	-3.5	74.7	15.80	-3.0	72.0	14.60	-2.8
	5	210	85.9	18.19	0.4	83.9	17.63	0.5	81.1	17.32	0.6	76.0	16.01	0.9	73.1	14.80	1.0
	5	315	86.5	18.83	1.9	84.5	18.22	2.0	81.6	17.64	2.1	76.6	16.35	2.3	73.9	15.37	2.3
	10	105	83.9	16.40	0.8	82.4	15.66	0.9	79.6	15.38	1.2	74.7	14.24	1.7	72.0	13.24	2.0
	10	210	85.9	16.27	5.2	83.9	15.70	5.3	81.1	15.48	5.5	76.0	14.20	5.8	73.1	13.23	5.9
	10	315	86.5	16.60	6.8	84.8	16.05	6.9	82.1	15.57	7.0	76.6	14.30	7.2	73.9	13.50	7.3
	15	105	84.4	14.67	5.5	82.8	13.91	5.6	81.7	13.99	5.8	75.9	12.68	6.4	72.7	11.93	6.7
	15	210	87.0	14.07	10.0	85.2	13.67	10.1	84.3	13.88	10.2	78.4	12.33	10.5	74.7	11.51	10.7
	15	315	87.6	14.58	11.7	86.5	14.15	11.7	85.9	13.88	11.7	79.6	12.29	11.9	76.4	12.01	12.1
	20	105	87.4	13.48	9.9	85.9	12.74	10.0	84.8	12.65	10.2	78.8	11.33	10.8	75.2	11.24	11.3
	20	210	90.2	12.97	14.7	88.7	12.77	14.8	87.1	12.90	14.9	81.3	11.69	15.2	77.8	11.29	15.5
	20	315	90.9	13.11	16.5	89.6	12.70	16.5	88.9	12.74	16.5	82.4	11.45	16.8	78.7	11.29	16.9
	25	105	91.5	12.89	14.3	89.4	12.38	14.5	88.5	12.32	14.6	82.8	11.21	15.2	79.5	10.72	15.6
	25	210	91.5	12.70	19.6	89.4	12.29	19.7	88.5	12.10	19.8	82.8	11.04	20.1	79.5	10.78	20.3
	25	315	91.5	12.43	21.4	89.4	11.81	21.5	88.5	11.84	21.5	82.8	11.12	21.7	79.5	10.10	21.8
	30	105	91.5	12.52	19.2	89.4	11.80	19.4	88.5	11.82	19.5	82.8	10.54	20.1	79.5	10.64	20.6
	30	210	91.5	12.11	24.6	89.4	11.71	24.7	88.5	11.54	24.7	82.8	10.64	25.1	79.5	9.94	25.3
	30	315	91.5	11.84	26.4	89.4	11.23	26.4	88.5	11.25	26.5	82.8	9.93	26.7	79.5	10.36	26.9
	35	105	91.5	11.93	24.1	89.4	11.41	24.4	88.5	11.36	24.5	82.8	10.16	25.1	79.5	9.51	25.4
	35	210	91.5	11.54	29.5	89.4	11.15	29.7	88.5	11.14	29.7	82.8	10.04	30.0	79.5	9.29	30.2
	35	315	91.5	11.54	31.4	89.4	10.95	31.4	88.5	10.84	31.5	82.8	9.76	31.7	79.5	9.05	31.8
	40	105	91.5	11.54	29.1	89.4	11.02	29.3	88.5	10.95	29.4	82.8	9.78	30.0	79.5	9.37	30.4
	40	210	91.5	11.14	34.5	89.4	10.74	34.6	88.5	10.57	34.7	82.8	9.42	35.0	79.5	9.02	35.2
	40	315	91.5	10.83	36.3	89.4	10.48	36.4	88.5	10.57	36.5	82.8	9.42	36.7	79.5	9.02	36.8
	45	105	91.5	11.14	34.0	89.4	10.65	34.3	88.5	10.58	34.4	82.8	9.33	35.0	79.5	9.28	35.4
	45	210	91.5	10.77	39.5	89.4	10.37	39.6	88.5	9.98	39.6	82.8	8.72	39.9	79.5	8.74	40.2
	45	315	91.5	10.15	41.3	89.4	9.98	41.4	88.5	10.29	41.4	82.8	8.98	41.6	79.5	9.03	41.8
120	5	105	79.5	18.18	-3.4	78.2	17.43	-3.3	75.6	16.93	-3.0	71.2	15.57	-2.6	68.2	14.38	-2.3
	5	210	81.5	18.44	0.7	79.7	17.78	0.8	76.5	17.32	1.0	72.0	15.90	1.2	69.0	14.56	1.3
	5	315	82.1	18.61	2.1	79.1	17.97	2.2	77.0	17.64	2.3	72.4	16.21	2.4	69.4	14.87	2.5
	10	105	80.0	16.27	1.3	78.4	15.59	1.4	75.6	15.27	1.8	71.2	14.04	2.2	68.2	13.05	2.5
	10	210	81.5	16.49	5.6	79.7	15.83	5.6	76.5	15.48	5.8	72.0	14.10	6.0	69.0	13.01	6.2
	10	315	82.1	16.40	7.0	79.3	15.83	7.1	77.5	15.57	7.2	72.4	14.18	7.3	69.4	13.06	7.4
	15	105	80.4	14.40	6.0	78.7	13.78	6.1	77.6	13.77	6.3	72.3	12.50	6.8	68.8	11.73	7.2
	15	210	82.1	14.53	10.4	80.6	13.91	10.4	79.4	13.88	10.5	74.0	12.33	10.8	70.2	11.35	11.0
	15	315	82.8	14.21	11.9	80.6	13.71	12.0	80.3	13.88	12.0	74.8	12.29	12.2	71.0	11.35	12.3
	20	105	82.6	12.93	10.5	81.0	12.24	10.6	79.6	12.10	10.8	74.2	10.96	11.4	70.4	10.92	11.9
	20	210	84.7	12.79	15.1	83.0	12.50	15.2	81.2	12.57	15.3	75.9	11.30	15.6	72.3	10.65	15.8
	20	315	85.2	12.76	16.7	82.8	12.29	16.8	82.5	12.32	16.8	76.7	11.07	17.0	72.9	10.71	17.2
	25	105	86.0	12.19	14.9	83.4	11.47	15.2	82.0	11.42	15.4	76.7	10.32	15.9	73.5	9.83	16.3
	25	210	86.3	12.01	19.9	83.4	11.40	20.1	82.0	11.36	20.2	76.7	10.12	20.5	73.5	9.89	20.7
	25	315	86.7	11.33	21.6	83.4	10.95	21.7	82.0	11.05	21.8	76.7	10.46	22.0	73.5	9.25	22.1
	30	105	86.5	11.60	19.8	83.4	10.91	20.1	82.0	10.77	20.3	76.7	9.46	20.8	73.5	9.53	21.3
	30	210	86.5	11.22	24.9	83.4	10.65	25.0	82.0	10.57	25.1	76.7	9.53	25.4	73.5	8.88	25.6
	30	315	86.5	10.67	26.6	83.4	10.28	26.7	82.0	10.26	26.7	76.7	9.14	26.9	73.5	9.26	27.1
	35	105	86.5	11.03	24.7	83.4	10.32	25.0	82.0	10.17	25.2	76.7	9.08	25.8	73.5	8.44	26.1
	35	210	86.5	10.39	29.8	83.4	9.93	30.0	82.0	9.78	30.1	76.7	8.75	30.4	73.5	8.08	30.5
	35	315	86.5	10.21	31.5	83.4	9.83	31.7	82.0	9.78	31.7	76.7	8.75	31.9	73.5	8.08	32.0
	40	105	86.5	10.63	29.6	83.4	9.83	30.0	82.0	9.58	30.1	76.7	8.49	30.7	73.5	8.11	31.1
	40	210	86.5	9.82	34.8	83.4	9.37	34.9	82.0	9.19	35.0	76.7	8.16	35.3	73.5	7.76	35.5
	40	315	86.5	9.62	36.5	83.4	9.18	36.6	82.0	9.19	36.7	76.7	8.16	36.9	73.5	7.76	37.0
	45	105	86.5	10.26	34.6	83.4	9.33	34.9	82.0	9.01	35.0	76.7	7.87	35.6	73.5	7.79	36.0
	45	210	86.5	9.23	39.7	83.4	8.79	39.9	82.0	8.59	40.0	76.7	7.48	40.3	73.5	7.44	40.5
	45	315	86.5	9.05	41.5	83.4	8.55	41.6	82.0	8.59	41.7	76.7	7.48	41.9	73.5	7.44	42.0
110	5	105	76.0	18.38	-2.9	74.4	17.50	-2.8	71.6	16.98	-2.5	67.7	15.57	-2.1	64.2	14.38	-1.8
	5	210	77.6	18.51	1.0	75.3	17.78	1.1	72.3	17.32	1.2	68.1	15.90	1.4	64.6	14.56	1.6
	5	315	78.2	18.78	2.3	75.7	17.97	2.4	72.5	17.50	2.5	68.1	16.05	2.6	64.8	14.87	2.7
	10	105	76.5	16.45	1.8	74.6	15.66	2.0	71.6	15.31	2.3	67.7	14.04	2.7	64.2	13.05	3.0
	10	210	77.6	16.55	5.8	75.3	15.83	5.9	72.3	15.48	6.1	68.1	14.10	6.3	64.6	13.01	6.5
	10	315	78.2	16.55	7.2	75.9	15.83	7.3	73.0	15.44	7.4	68.1	14.04	7.5	64.8	13.06	7.6
	15	105	76.7	14.49	6.5	74.8	13.91	6.7	73.5	13.88	6.9	68.7	12.50	7.3	64.8	11.73	7.8
	15	210	78.0	14.40	10.7	75.9	13.91	10.8	74.4	13.88	10.9	69.3	12.33	11.1	65.6	11.35	11.3
	15	315	78.7	14.27	12.1	76.3	13.71	12.1	75.1	13.59	12.2	69.8	12.02	12.4	65.8	11.35	12.5
	20	105	78.2	12.56	11.0	76.1	12.05	11.3	74.6	11.92	11.4	69.3	10.78	12.0	65.6	10.57	12.5
	20	210	80.0	12.51	15.4	77.0	12.11	15.6	75.2	12.19	15.7	70.4	10.95	15.9	66.4	10.15	16.2
	20	315	80.6	12.65	16.9	78.1	12.05	17.0	76.2	11.92	17.1	70.8	10.44	17.3	67.0	10.15	17.4
	25	105	80.4	11.38	15.6	77.9	10.77	15.8	76.0	10.76	16.1	70.8	9.58	16.6	67.3	8.96	17.0
	25	210	81.1	11.31	20.2	77.9	10.60	20.4	76.0	10.56	20.5	70.8	9.41	20.8	67.3	8.98	21.0
	25	315	81.7	11.31	21.8	77.9	10.66	21.9	76.0	10.26	22.0	70.8	9.73	22.2	67.3	8.39	22.3
	30	105	81.5	10.34	20.3	77.9	9.82	20.7	76.0	9.58	20.9	70.8	8.57	21.5	67.3	8.25	21.9
	30	210	81.5	10.17	25.1	77.9	9.63	25.3	76.0	9.38	25.5	70.8	8.60	25.8	67.3	7.80	25.9
	30	315	81.5	10.06	26.7	77.9	9.34	26.9	76.0	9.07	27.0	70.8	8.01	27.1	67.3	8.13	27.3
	35	105	81.5	9.77	25.2	77.9	9.04	25.6	76.0	8.81	25.8	70.8	7.81	26.4	67.3	7.21	26.8
	35	210	81.5	9.38	30.1	77.9	8.87	30.3	76.0	8.59	30.4	70.8	7.66	30.7	67.3	7.02	30.9
	35	315	81.5	9.03	31.7	77.9	8.57	31.8	76.0	8.32	31.9	70.8	7.66	32.1	67.3	7.02	32.3
	40	105	81.5	9.18	30.1	77.9	8.68	30.6	76.0	8.22	30.8	70.8	7.23	31.3	67.3	6.84	31.8
	40	210	81.5	8.81	35.0	77.9	8.29	35.3	76.0	7.82	35.3	70.8	7.06	35.6	67.3	6.69	35.9
	40	315	81.5	8.61	36.7	77.9	7.98	36.8	76.0	7.82	36.9	70.8	6.77	37.1	67.3	6.40	37.2
	45	105	81.5	8.59	35.0	77.9	8.29	35.5	76.0	7.62	35.7	70.8	6.64	36.2	67.3	6.48	36.7
	45	210	81.5	8.21	40.0	77.9	7.70	40.2	76.0	7.03	40.3	70.8	6.40	40.6	67.3	6.33	40.8
	45	315	81.5	8.22	41.7	77.9	7.40	41.8	76.0	7.34	41.9	70.8	5.88	42.0	67.3	5.74	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	105	72.6	18.43	-2.4	70.0	17.72	-2.1	67.5	17.03	-1.9	63.7	15.62	-1.6	60.1	14.21	-1.3
	5	210	73.7	18.76	1.3	70.6	18.03	1.4	67.7	17.38	1.6	63.7	15.94	1.7	60.1	14.49	1.9
	5	315	74.3	18.94	2.5	70.9	18.22	2.6	67.6	17.55	2.7	63.7	16.10	2.8	60.1	14.62	2.9
	10	105	73.0	16.49	2.3	70.2	15.86	2.6	67.5	15.36	2.9	63.7	14.08	3.2	60.1	12.89	3.5
	10	210	73.7	16.78	6.1	70.6	16.05	6.3	67.7	15.53	6.4	63.7	14.14	6.6	60.1	12.95	6.8
	10	315	74.3	16.69	7.4	71.1	16.05	7.5	68.0	15.49	7.6	63.7	14.08	7.7	60.1	12.84	7.8
	15	105	73.2	14.53	7.0	70.6	14.01	7.3	69.3	13.92	7.4	64.7	12.54	7.9	60.7	11.58	8.3
	15	210	73.7	14.82	11.0	70.6	14.06	11.1	69.3	13.92	11.2	64.7	12.36	11.4	60.7	11.39	11.6
	15	315	74.5	14.45	12.3	71.3	13.88	12.4	69.3	13.63	12.5	64.7	12.06	12.6	60.7	11.11	12.7
	20	105	73.9	12.42	11.6	70.9	11.89	11.9	69.3	11.76	12.1	64.7	10.63	12.6	60.7	10.04	13.1
	20	210	75.0	12.52	15.7	71.1	12.00	16.0	69.3	11.76	16.1	64.7	10.63	16.3	60.7	9.65	16.5
	20	315	75.6	12.31	17.1	72.2	11.78	17.3	69.3	11.45	17.4	64.7	10.13	17.5	60.7	9.37	17.7
	25	105	74.8	10.84	16.3	71.9	10.26	16.6	69.3	10.00	16.9	64.7	8.89	17.4	60.7	8.11	17.8
	25	210	75.8	10.86	20.6	71.9	10.04	20.8	69.3	9.80	20.9	64.7	8.70	21.2	60.7	8.11	21.4
	25	315	76.5	10.50	22.0	71.9	9.93	22.2	69.3	9.51	22.3	64.7	8.70	22.5	60.7	7.81	22.6
	30	105	76.3	9.80	20.9	71.9	8.89	21.4	69.3	8.43	21.7	64.7	7.53	22.2	60.7	7.16	22.7
	30	210	76.3	9.60	25.4	71.9	8.70	25.7	69.3	8.35	25.8	64.7	7.53	26.1	60.7	6.94	26.3
	30	315	76.3	9.32	27.0	71.9	8.70	27.1	69.3	8.17	27.2	64.7	7.22	27.4	60.7	6.94	27.6
	35	105	76.3	9.03	25.8	71.9	8.11	26.3	69.3	7.44	26.6	64.7	6.75	27.1	60.7	6.16	27.6
	35	210	76.3	8.61	30.4	71.9	7.72	30.6	69.3	7.36	30.8	64.7	6.57	31.0	60.7	5.99	31.3
	35	315	76.3	8.61	31.9	71.9	7.72	32.1	69.3	7.20	32.2	64.7	6.57	32.4	60.7	5.99	32.5
	40	105	76.3	8.43	30.7	71.9	7.53	31.2	69.3	6.67	31.5	64.7	5.99	32.0	60.7	5.60	32.5
	40	210	76.3	8.04	35.3	71.9	7.16	35.6	69.3	6.58	35.7	64.7	5.79	36.0	60.7	5.42	36.2
	40	315	76.3	7.75	36.9	71.9	7.16	37.1	69.3	6.41	37.1	64.7	5.79	37.3	60.7	5.42	37.5
	45	105	76.3	7.84	35.7	71.9	6.94	36.1	69.3	5.88	36.3	64.7	5.21	36.9	60.7	5.01	37.4
	45	210	76.3	7.44	40.3	71.9	6.57	40.5	69.3	5.79	40.7	64.7	5.01	40.9	60.7	4.84	41.2
	45	315	76.3	6.87	41.8	71.9	6.57	42.0	69.3	5.62	42.1	64.7	5.01	42.3	60.7	4.84	42.5
90	5	105	65.1	16.65	-1.6	63.0	15.72	-1.4	61.0	14.84	-1.3	56.0	13.63	-0.8	51.5	12.23	-0.4
	5	210	65.5	16.95	1.7	62.7	16.02	1.8	61.0	15.13	1.9	56.0	13.92	2.1	51.5	12.47	2.3
	5	315	66.0	17.10	2.8	63.2	16.17	2.9	61.0	15.30	2.9	56.0	14.05	3.1	51.5	12.62	3.2
	10	105	65.5	14.64	3.1	63.2	13.93	3.3	61.0	13.39	3.5	56.0	12.29	4.0	51.5	11.10	4.5
	10	210	65.3	14.68	6.5	63.0	13.99	6.7	61.0	13.43	6.8	56.0	12.25	7.0	51.5	11.13	7.2
	10	315	66.0	14.64	7.7	63.2	13.93	7.8	61.0	13.39	7.8	56.0	12.31	8.0	51.5	11.19	8.2
	15	105	65.8	12.64	7.7	63.4	12.16	8.0	61.0	11.94	8.3	57.1	10.95	8.7	54.3	9.98	8.9
	15	210	65.3	12.42	11.4	63.0	11.97	11.5	61.0	11.74	11.6	57.1	10.58	11.8	54.3	9.78	12.0
	15	315	66.0	12.16	12.6	63.2	11.71	12.7	61.0	11.43	12.7	57.1	10.58	12.9	54.3	9.78	13.0
	20	105	66.2	10.69	12.4	63.6	10.37	12.7	61.0	10.18	13.1	57.1	9.39	13.5	54.3	8.82	13.8
	20	210	66.0	10.69	16.2	63.2	10.24	16.4	62.2	10.18	16.4	57.1	9.01	16.7	54.3	8.42	16.9
	20	315	66.2	10.44	17.5	63.4	10.13	17.6	62.2	10.18	17.6	57.1	9.01	17.8	54.3	8.42	17.9
	25	105	67.5	9.34	17.1	64.5	8.84	17.4	62.2	8.77	17.7	57.1	7.83	18.3	54.3	7.26	18.6
	25	210	68.1	9.25	21.0	64.5	8.75	21.2	62.2	8.59	21.3	57.1	7.63	21.6	54.3	7.04	21.8
	25	315	68.6	8.88	22.3	64.5	8.45	22.5	62.2	8.59	22.6	57.1	7.63	22.7	54.3	7.04	22.8
	30	105	68.3	8.43	21.8	64.5	7.87	22.3	62.2	7.58	22.5	57.1	6.84	23.1	54.3	6.24	23.4
	30	210	68.3	8.26	25.9	64.5	7.68	26.1	62.2	7.40	26.3	57.1	6.66	26.6	54.3	6.24	26.7
	30	315	68.3	7.96	27.3	64.5	7.37	27.4	62.2	7.40	27.5	57.1	6.66	27.7	54.3	5.98	27.8
	35	105	68.3	7.68	26.7	64.5	7.12	27.2	62.2	6.79	27.4	57.1	6.07	28.0	54.3	5.67	28.4
	35	210	68.3	7.83	30.9	64.5	6.90	31.1	62.2	6.59	31.2	57.1	5.87	31.5	54.3	5.67	31.7
	35	315	68.3	7.18	32.2	64.5	7.04	32.4	62.2	6.28	32.5	57.1	5.87	32.7	54.3	5.67	32.8
	40	105	68.3	7.12	31.6	64.5	6.53	32.1	62.2	5.99	32.3	57.1	5.50	33.0	54.3	5.08	33.3
	40	210	68.3	6.71	35.8	64.5	6.34	36.0	62.2	5.78	36.1	57.1	5.28	36.5	54.3	4.90	36.6
	40	315	68.3	6.71	37.2	64.5	6.34	37.4	62.2	5.78	37.4	57.1	5.28	37.6	54.3	5.08	37.8
	45	105	68.3	6.53	36.6	64.5	5.95	37.0	62.2	5.18	37.2	57.1	4.90	37.9	54.3	4.49	38.2
	45	210	68.3	5.95	40.7	64.5	5.76	41.0	62.2	5.00	41.1	57.1	4.71	41.4	54.3	4.31	41.6
	45	315	68.3	6.84	42.2	64.5	6.06	42.3	62.2	5.27	42.4	57.1	4.71	42.6	54.3	4.31	42.7
80	5	105	62.2	13.74	-1.6	58.2	12.97	-1.2	55.9	12.31	-0.9	51.9	11.25	-0.6	47.7	10.09	-0.1
	5	210	62.2	13.98	1.7	58.2	13.22	1.9	56.0	12.56	2.0	51.9	11.48	2.2	47.7	10.29	2.4
	5	315	62.2	14.11	2.8	58.2	13.34	3.0	55.9	12.70	3.0	51.9	11.59	3.2	47.7	10.41	3.3
	10	105	62.2	12.08	3.2	58.2	11.49	3.6	55.9	11.11	3.9	51.9	10.14	4.3	47.7	9.16	4.7
	10	210	62.2	12.12	6.6	58.2	11.55	6.8	56.0	11.19	6.9	51.9	10.11	7.1	47.7	9.18	7.4
	10	315	62.2	12.08	7.7	58.2	11.49	7.9	56.0	11.15	8.0	51.9	10.16	8.1	47.7	9.23	8.3
	15	105	62.2	10.43	7.9	58.2	10.03	8.4	56.5	9.98	8.6	52.2	9.04	9.1	49.2	8.24	9.4
	15	210	62.2	10.25	11.5	58.2	9.87	11.7	56.5	9.89	11.8	52.2	8.73	12.0	49.2	8.07	12.2
	15	315	62.2	10.03	12.6	58.2	9.66	12.8	56.5	9.65	12.9	52.2	8.73	13.0	49.2	8.07	13.1
	20	105	62.2	8.82	12.7	58.2	8.56	13.2	56.5	8.47	13.4	52.2	7.75	13.9	49.2	7.28	14.3
	20	210	62.2	8.82	16.4	58.2	8.45	16.6	56.5	8.56	16.7	52.2	7.44	16.9	49.2	6.95	17.1
	20	315	62.2	8.61	17.6	58.2	8.36	17.7	56.5	8.47	17.8	52.2	7.44	18.0	49.2	6.95	18.1
	25	105	62.5	7.70	17.5	58.5	7.29	18.0	56.5	7.25	18.3	52.2	6.46	18.8	49.2	5.99	19.1
	25	210	62.5	7.63	21.3	58.5	7.22	21.5	56.5	7.11	21.6	52.2	6.30	21.9	49.2	5.81	22.0
	25	315	62.5	7.33	22.5	58.5	6.97	22.7	56.5	7.02	22.7	52.2	6.30	22.9	49.2	5.81	23.0
	30	105	62.5	6.96	22.4	58.5	6.49	22.9	56.5	6.20	23.1	52.2	5.64	23.6	49.2	5.15	24.0
	30	210	62.5	6.81	26.2	58.5	6.33	26.4	56.5	6.09	26.6	52.2	5.50	26.8	49.2	5.15	27.0
	30	315	62.5	6.57	27.5	58.5	6.08	27.6	56.5	6.04	27.7	52.2	5.50	27.9	49.2	4.93	28.0
	35	105	62.5	6.33	27.3	58.5	5.87	27.8	56.5	5.52	28.0	52.2	5.01	28.6	49.2	4.68	28.9
	35	210	62.5	6.46	31.2	58.5	5.69	31.4	56.5	5.40	31.5	52.2	4.84	31.8	49.2	4.68	32.0
	35	315	62.5	5.92	32.4	58.5	5.81	32.6	56.5	5.21	32.7	52.2	4.84	32.8	49.2	4.68	33.0
	40	105	62.5	5.87	32.3	58.5	5.39	32.7	56.5	4.90	33.0	52.2	4.54	33.5	49.2	4.19	33.9
	40	210	62.5	5.53	36.1	58.5	5.23	36.4	56.5	4.78	36.5	52.2	4.35	36.7	49.2	4.05	36.9
	40	315	62.5	5.53	37.4	58.5	5.23	37.6	56.5	4.73	37.6	52.2	4.35	37.8	49.2	4.19	38.0
	45	105	62.5	5.53	37.2	58.5	5.23	37.7	56.5	4.56	37.9	52.2	4.35	38.5	49.2	4.19	38.9
	45	210	62.5	5.53	41.1	58.5	5.23	41.4	56.5	4.53	41.4	52.2	4.35	41.7	49.2	4.19	41.9
	45	315	62.5	5.53	42.4	58.5	5.23	42.6	56.5	4.47	42.6	52.2	4.35	42.8	49.2	4.19	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	105	53.7	11.50	-0.8	50.3	10.86	-0.4	48.8	10.26	-0.3	44.8	9.42	0.2	41.2	8.45	0.5
	5	210	53.7	11.71	2.1	50.3	11.07	2.3	48.8	10.45	2.4	44.8	9.62	2.6	41.2	8.62	2.8
	5	315	53.7	11.82	3.1	50.3	11.18	3.2	48.8	10.58	3.3	44.8	9.71	3.4	41.2	8.72	3.5
	10	105	53.7	10.12	4.0	50.3	9.63	4.4	48.8	9.25	4.6	44.8	8.49	5.0	41.2	7.67	5.4
	10	210	53.7	10.15	7.0	50.3	9.67	7.2	48.8	9.28	7.3	44.8	8.46	7.5	41.2	7.69	7.7
	10	315	53.7	10.12	8.0	50.3	9.63	8.1	48.8	9.25	8.2	44.8	8.51	8.3	41.2	7.73	8.5
	15	105	53.7	8.73	8.9	50.3	8.40	9.3	48.8	8.25	9.5	45.1	7.57	9.9	42.5	6.90	10.1
	15	210	53.7	8.58	11.9	50.3	8.27	12.1	48.8	8.11	12.2	45.1	7.31	12.4	42.5	6.76	12.6
	15	315	53.7	8.40	12.9	50.3	8.09	13.1	48.8	7.90	13.1	45.1	7.31	13.3	42.5	6.76	13.4
	20	105	53.7	7.39	13.7	50.3	7.17	14.1	48.8	7.04	14.3	45.1	6.49	14.7	42.5	6.09	15.0
	20	210	53.7	7.39	16.8	50.3	7.08	17.0	48.8	7.17	17.2	45.1	6.23	17.3	42.5	5.82	17.5
	20	315	53.7	7.21	17.9	50.3	7.00	18.0	48.8	7.17	18.1	45.1	6.23	18.2	42.5	5.82	18.3
	25	105	54.0	6.45	18.5	50.5	6.11	18.9	48.8	6.06	19.2	45.1	5.41	19.6	42.5	5.01	19.9
	25	210	54.0	6.39	21.7	50.5	6.05	22.0	48.8	5.93	22.1	45.1	5.27	22.3	42.5	4.86	22.4
	25	315	54.0	6.14	22.8	50.5	5.84	23.0	48.8	5.93	23.0	45.1	5.27	23.2	42.5	4.86	23.3
	30	105	54.0	5.83	23.4	50.5	5.44	23.8	48.8	5.24	24.0	45.1	4.73	24.5	42.5	4.32	24.8
	30	210	54.0	5.71	26.7	50.5	5.31	26.9	48.8	5.11	27.0	45.1	4.60	27.2	42.5	4.32	27.4
	30	315	54.0	5.50	27.8	50.5	5.10	27.9	48.8	5.11	28.0	45.1	4.60	28.2	42.5	4.13	28.3
	35	105	54.0	5.31	28.4	50.5	4.92	28.8	48.8	4.70	29.0	45.1	4.19	29.4	42.5	3.92	29.7
	35	210	54.0	5.41	31.7	50.5	4.77	31.9	48.8	4.56	32.0	45.1	4.06	32.2	42.5	3.92	32.4
	35	315	54.0	4.96	32.8	50.5	4.86	32.9	48.8	4.34	33.0	45.1	4.06	33.1	42.5	3.92	33.2
	40	105	54.0	4.92	33.3	50.5	4.52	33.7	48.8	4.14	33.9	45.1	3.80	34.4	42.5	3.51	34.7
	40	210	54.0	4.63	36.6	50.5	4.38	36.8	48.8	4.00	36.9	45.1	3.65	37.2	42.5	3.39	37.3
	40	315	54.0	4.63	37.8	50.5	4.38	37.9	48.8	4.00	38.0	45.1	3.65	38.1	42.5	3.51	38.2
	45	105	54.0	4.63	38.3	50.5	4.38	38.7	48.8	4.00	38.9	45.1	3.65	39.3	42.5	3.51	39.7
	45	210	54.0	4.63	41.6	50.5	4.38	41.8	48.8	4.00	41.9	45.1	3.65	42.2	42.5	3.51	42.3
	45	315	54.0	4.63	42.8	50.5	4.38	42.9	48.8	4.00	43.0	45.1	3.65	43.1	42.5	3.51	43.2
60	5	105	46.0	9.26	0.0	43.1	8.74	0.3	41.8	8.25	0.4	38.4	7.58	0.8	35.2	6.80	1.1
	5	210	46.0	9.42	2.5	43.1	8.91	2.7	41.8	8.41	2.7	38.4	7.74	2.9	35.2	6.93	3.1
	5	315	46.0	9.51	3.3	43.1	8.99	3.5	41.8	8.51	3.5	38.4	7.81	3.6	35.2	7.02	3.7
	10	105	46.0	8.14	4.8	43.1	7.75	5.2	41.8	7.45	5.3	38.4	6.83	5.7	35.2	6.17	6.0
	10	210	46.0	8.17	7.4	43.1	7.78	7.6	41.8	7.47	7.7	38.4	6.81	7.8	35.2	6.19	8.0
	10	315	46.0	8.14	8.3	43.1	7.75	8.4	41.8	7.45	8.4	38.4	6.85	8.6	35.2	6.22	8.7
	15	105	46.0	7.03	9.7	43.1	6.76	10.0	41.8	6.64	10.2	38.6	6.09	10.6	36.4	5.55	10.8
	15	210	46.0	6.91	12.3	43.1	6.65	12.5	41.8	6.53	12.6	38.6	5.88	12.8	36.4	5.44	12.9
	15	315	46.0	6.76	13.2	43.1	6.51	13.3	41.8	6.36	13.4	38.6	5.88	13.5	36.4	5.44	13.6
	20	105	46.0	5.95	14.5	43.1	5.77	14.9	41.8	5.66	15.1	38.6	5.22	15.4	36.4	4.90	15.7
	20	210	46.0	5.95	17.3	43.1	5.70	17.5	41.8	5.77	17.5	38.6	5.01	17.7	36.4	4.68	17.8
	20	315	46.0	5.80	18.2	43.1	5.64	18.3	41.8	5.77	18.4	38.6	5.01	18.5	36.4	4.68	18.6
	25	105	46.2	5.19	19.4	43.3	4.92	19.8	41.8	4.87	20.0	38.6	4.35	20.3	36.4	4.03	20.6
	25	210	46.2	5.14	22.2	43.3	4.87	22.4	41.8	4.78	22.5	38.6	4.24	22.7	36.4	3.91	22.8
	25	315	46.2	4.94	23.1	43.3	4.70	23.2	41.8	4.78	23.3	38.6	4.24	23.4	36.4	3.91	23.5
	30	105	46.2	4.69	24.3	43.3	4.38	24.7	41.8	4.21	24.9	38.6	3.80	25.3	36.4	3.47	25.5
	30	210	46.2	4.59	27.2	43.3	4.27	27.3	41.8	4.11	27.4	38.6	3.70	27.6	36.4	3.47	27.8
	30	315	46.2	4.42	28.1	43.3	4.10	28.2	41.8	4.11	28.3	38.6	3.70	28.4	36.4	3.33	28.5
	35	105	46.2	4.27	29.3	43.3	3.96	29.6	41.8	3.78	29.8	38.6	3.37	30.2	36.4	3.15	30.5
	35	210	46.2	4.35	32.1	43.3	3.84	32.3	41.8	3.67	32.4	38.6	3.26	32.6	36.4	3.15	32.7
	35	315	46.2	3.99	33.1	43.3	3.91	33.2	41.8	3.49	33.3	38.6	3.26	33.4	36.4	3.15	33.5
	40	105	46.2	3.96	34.2	43.3	3.63	34.6	41.8	3.33	34.7	38.6	3.06	35.2	36.4	2.82	35.4
	40	210	46.2	3.73	37.1	43.3	3.53	37.3	41.8	3.22	37.4	38.6	2.93	37.6	36.4	2.73	37.7
	40	315	46.2	3.73	38.1	43.3	3.53	38.2	41.8	3.22	38.2	38.6	2.93	38.4	36.4	2.82	38.5
	45	105	46.2	3.73	39.2	43.3	3.53	39.6	41.8	3.22	39.7	38.6	2.93	40.1	36.4	2.82	40.4
	45	210	46.2	3.73	42.1	43.3	3.53	42.3	41.8	3.22	42.4	38.6	2.93	42.6	36.4	2.82	42.7
	45	315	46.2	3.73	43.1	43.3	3.53	43.2	41.8	3.22	43.2	38.6	2.93	43.4	36.4	2.82	43.5
50	5	105	38.2	7.34	0.8	35.5	6.92	1.1	34.3	6.58	1.2	31.9	6.04	1.5	29.7	5.45	1.7
	5	210	38.2	7.47	2.9	35.6	7.04	3.0	34.4	6.71	3.1	31.9	6.17	3.2	29.7	5.56	3.4
	5	315	38.2	7.54	3.6	35.7	7.11	3.7	34.4	6.78	3.7	31.9	6.23	3.8	29.7	5.62	3.9
	10	105	38.2	6.46	5.7	35.5	6.16	6.0	34.4	5.94	6.1	31.9	5.45	6.4	29.7	4.95	6.6
	10	210	38.2	6.47	7.8	35.6	6.20	8.0	34.4	5.98	8.1	31.9	5.45	8.2	29.7	4.96	8.3
	10	315	38.2	6.46	8.6	35.7	6.19	8.7	34.5	5.96	8.7	31.9	5.45	8.8	29.7	4.96	8.9
	15	105	38.2	5.57	10.5	35.6	5.40	10.9	34.8	5.33	11.0	32.2	4.85	11.3	30.3	4.45	11.5
	15	210	38.2	5.48	12.8	35.6	5.36	12.9	34.8	5.28	13.0	32.2	4.73	13.1	30.3	4.37	13.2
	15	315	38.2	5.36	13.5	35.8	5.27	13.6	34.8	5.16	13.7	32.2	4.68	13.7	30.3	4.32	13.8
	20	105	38.2	4.72	15.4	35.7	4.60	15.8	34.8	4.53	15.9	32.2	4.14	16.2	30.3	3.90	16.4
	20	210	38.2	4.72	17.7	35.7	4.58	17.9	34.8	4.58	17.9	32.2	4.05	18.1	30.3	3.73	18.2
	20	315	38.2	4.60	18.5	36.0	4.52	18.6	34.8	4.52	18.6	32.2	3.96	18.7	30.3	3.68	18.8
	25	105	38.4	4.12	20.3	36.0	3.94	20.6	34.8	3.88	20.8	32.2	3.46	21.1	30.3	3.18	21.3
	25	210	38.4	4.08	22.7	36.0	3.88	22.8	34.8	3.80	22.9	32.2	3.37	23.0	30.3	3.13	23.1
	25	315	38.4	3.92	23.4	36.0	3.79	23.5	34.8	3.75	23.6	32.2	3.37	23.7	30.3	3.07	23.8
	30	105	38.4	3.72	25.3	36.0	3.47	25.6	34.8	3.32	25.7	32.2	2.98	26.0	30.3	2.77	26.2
	30	210	38.4	3.64	27.6	36.0	3.39	27.8	34.8	3.26	27.8	32.2	2.93	28.0	30.3	2.73	28.1
	30	315	38.4	3.51	28.4	36.0	3.31	28.5	34.8	3.23	28.6	32.2	2.93	28.7	30.3	2.67	28.7
	35	105	38.4	3.38	30.2	36.0	3.15	30.5	34.8	2.95	30.7	32.2	2.78	31.0	30.3	2.46	31.2
	35	210	38.4	3.45	32.6	36.0	3.03	32.7	34.8	2.90	32.8	32.2	2.73	33.0	30.3	2.46	33.1
	35	315	38.4	3.17	33.4	36.0	3.06	33.5	34.8	2.83	33.5	32.2	2.73	33.7	30.3	2.46	33.7
	40	105	38.4	3.14	35.2	36.0	2.90	35.5	34.8	2.75	35.6	32.2	2.64	36.0	30.3	2.31	36.2
	40	210	38.4	2.96	37.6	36.0	2.79	37.7	34.8	2.70	37.8	32.2	2.59	38.0	30.3	2.26	38.1
	40	315	38.4	2.96	38.4	36.0	2.79	38.5	34.8	2.70	38.5	32.2	2.59	38.7	30.3	2.31	38.7
	45	105	38.4	2.96	40.2	36.0	2.75	40.5	34.8	2.57	40.6	32.2	2.32	40.9	30.3	2.31	41.2
	45	210	38.4	2.96	42.6	36.0	2.75	42.7	34.8	2.57	42.8	32.2	2.32	43.0	30.3	2.31	43.1
	45	315	38.4	2.96	43.4	36.0	2.75	43.5	34.8	2.57	43.5	32.2	2.32	43.6	30.3	2.31	43.7

12. Capacity Table

1-8. AM240FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	114	67.7	4.94	19.1	74.4	5.87	20.1	79.9	6.43	20.9	85.8	6.83	21.6	88.1	6.91	21.9
	10	228	67.7	4.58	14.5	74.4	5.43	15.0	79.9	6.14	15.4	85.8	6.45	15.8	88.1	6.45	15.9
	10	342	67.7	4.50	13.0	74.4	5.41	13.3	79.9	5.81	13.6	85.8	6.33	13.9	88.1	6.47	14.0
	15	114	66.5	6.37	24.2	73.2	7.54	25.1	78.7	8.37	26.0	84.3	8.78	26.7	86.6	8.97	27.0
	15	228	66.5	5.94	19.6	73.2	6.99	20.0	78.7	7.80	20.4	84.3	8.20	20.8	86.6	8.39	21.0
	15	342	66.5	5.76	18.0	73.2	6.81	18.4	78.7	7.54	18.6	84.3	7.91	18.9	86.6	8.16	19.0
	20	114	65.5	7.59	29.2	72.2	8.88	30.2	77.8	9.91	31.0	83.1	10.39	31.8	85.4	10.62	32.1
	20	228	65.5	7.44	24.6	72.2	8.75	25.1	77.8	9.77	25.5	83.1	10.27	25.9	85.4	10.47	26.0
	20	342	65.5	7.19	23.0	72.2	8.48	23.4	77.8	9.48	23.7	83.1	9.89	23.9	85.4	10.19	24.0
	25	114	65.5	9.52	34.4	72.2	11.22	35.5	77.8	12.49	36.3	83.1	13.13	37.1	85.4	13.35	37.4
	25	228	65.5	8.90	29.7	72.2	10.47	30.2	77.8	11.64	30.6	83.1	12.27	31.0	85.4	12.47	31.2
	25	342	65.5	8.57	28.1	72.2	10.13	28.5	77.8	11.28	28.7	83.1	11.83	29.0	85.4	12.16	29.1
	30	114	65.5	11.18	39.6	72.2	13.14	40.7	77.8	14.67	41.6	83.1	15.38	42.4	85.4	15.64	42.7
	30	228	65.5	10.99	34.8	72.2	12.93	35.4	77.8	14.39	35.8	83.1	15.15	36.2	85.4	15.46	36.3
	30	342	65.5	10.64	33.2	72.2	12.52	33.6	77.8	13.97	33.8	83.1	14.66	34.1	85.4	15.05	34.2
	35	114	61.9	11.63	44.2	68.4	13.70	45.3	73.5	15.28	46.2	78.9	16.00	46.9	80.7	16.28	47.2
	35	228	61.9	11.41	39.6	68.4	13.47	40.1	73.5	15.01	40.6	78.9	15.77	41.0	80.7	16.10	41.1
	35	342	61.9	11.11	38.1	68.4	13.06	38.4	73.5	14.52	38.7	78.9	15.27	38.9	80.7	15.68	39.0
	40	114	51.8	12.11	48.0	57.0	14.25	49.0	61.4	15.90	49.7	65.8	16.68	50.4	67.6	17.01	50.6
	40	228	52.2	11.91	44.0	57.5	14.04	44.5	62.0	15.61	44.9	66.3	16.42	45.2	68.2	16.78	45.3
	40	342	53.0	11.54	42.7	58.4	13.56	43.0	62.8	15.15	43.3	67.3	15.89	43.5	69.2	16.37	43.6
	45	114	43.2	12.50	52.0	47.4	14.73	52.8	51.0	16.43	53.5	54.6	17.20	54.0	56.1	17.56	54.3
	45	228	43.6	12.30	48.5	47.8	14.48	48.9	51.4	16.12	49.2	55.1	17.00	49.5	56.6	17.34	49.6
	45	342	44.2	11.90	47.4	48.5	13.99	47.6	52.1	15.65	47.8	55.9	16.41	48.0	57.4	16.92	48.1
120	10	114	64.1	4.69	18.6	70.5	5.56	19.6	75.8	6.11	20.3	81.2	6.45	21.0	83.3	6.53	21.3
	10	228	64.1	4.38	14.3	70.5	5.20	14.8	75.8	5.80	15.1	81.2	6.09	15.5	83.3	6.10	15.6
	10	342	64.1	4.17	12.9	70.5	5.12	13.2	75.8	5.48	13.4	81.2	5.99	13.7	83.3	6.18	13.7
	15	114	63.4	6.09	23.7	69.5	7.19	24.6	74.9	8.03	25.4	80.3	8.41	26.1	82.3	8.55	26.4
	15	228	63.4	5.69	19.3	69.5	6.69	19.8	74.9	7.48	20.2	80.3	7.83	20.5	82.3	7.99	20.7
	15	342	63.4	5.49	17.9	69.5	6.51	18.2	74.9	7.20	18.4	80.3	7.57	18.7	82.3	7.81	18.8
	20	114	62.6	7.30	28.8	68.8	8.54	29.7	74.2	9.53	30.5	79.5	10.01	31.3	81.6	10.21	31.5
	20	228	62.6	7.14	24.4	68.8	8.39	24.9	74.2	9.39	25.3	79.5	9.87	25.6	81.6	10.04	25.8
	20	342	62.6	6.93	22.9	68.8	8.17	23.2	74.2	9.10	23.5	79.5	9.51	23.7	81.6	9.78	23.8
	25	114	62.6	9.15	34.0	68.8	10.77	35.0	74.2	11.95	35.8	79.5	12.59	36.6	81.6	12.80	36.9
	25	228	62.6	8.51	29.5	68.8	10.04	30.0	74.2	11.18	30.4	79.5	11.73	30.7	81.6	11.95	30.9
	25	342	62.6	8.20	28.0	68.8	9.69	28.3	74.2	10.81	28.6	79.5	11.34	28.8	81.6	11.62	28.9
	30	114	62.6	10.79	39.2	68.8	12.70	40.2	74.2	14.16	41.1	79.5	14.85	41.9	81.6	15.11	42.2
	30	228	62.6	10.61	34.6	68.8	12.47	35.1	74.2	13.91	35.5	79.5	14.62	35.9	81.6	14.90	36.1
	30	342	62.6	10.26	33.1	68.8	12.09	33.4	74.2	13.49	33.7	79.5	14.17	33.9	81.6	14.51	34.0
	35	114	60.2	11.38	44.0	66.3	13.42	45.0	71.5	14.95	45.9	76.4	15.65	46.6	78.5	15.96	46.9
	35	228	60.2	11.17	39.5	66.3	13.18	40.0	71.5	14.69	40.4	76.4	15.43	40.8	78.5	15.74	40.9
	35	342	60.2	10.84	38.0	66.3	12.79	38.3	71.5	14.21	38.6	76.4	14.93	38.8	78.5	15.33	38.9
	40	114	51.3	12.09	48.0	56.6	14.23	48.9	61.0	15.87	49.7	65.1	16.65	50.3	66.9	16.99	50.6
	40	228	51.8	11.88	44.0	57.0	14.01	44.5	61.5	15.58	44.8	65.6	16.37	45.2	67.5	16.73	45.3
	40	342	52.5	11.52	42.7	57.9	13.58	43.0	62.4	15.13	43.2	66.6	15.89	43.5	68.5	16.30	43.6
	45	114	43.7	12.70	52.1	48.3	14.97	53.0	52.1	16.69	53.6	55.5	17.49	54.2	57.0	17.85	54.4
	45	228	44.0	12.50	48.6	48.7	14.71	49.0	52.5	16.40	49.3	56.0	17.23	49.6	57.5	17.59	49.7
	45	342	44.7	12.08	47.4	49.4	14.27	47.7	53.3	15.90	47.9	56.8	16.71	48.1	58.3	17.08	48.2
110	10	114	60.5	4.39	18.2	66.4	5.26	19.0	71.5	5.76	19.7	76.6	6.10	20.4	78.5	6.16	20.6
	10	228	60.5	4.10	14.1	66.4	4.87	14.5	71.5	5.47	14.8	76.6	5.78	15.2	78.5	5.73	15.3
	10	342	60.5	3.97	12.7	66.4	4.78	13.0	71.5	5.23	13.2	76.6	5.66	13.4	78.5	5.79	13.5
	15	114	60.0	5.80	23.3	65.9	6.86	24.2	71.0	7.66	24.9	76.2	8.01	25.6	78.2	8.18	25.9
	15	228	60.0	5.42	19.1	65.9	6.37	19.5	71.0	7.13	19.9	76.2	7.49	20.3	78.2	7.62	20.4
	15	342	60.0	5.25	17.7	65.9	6.19	18.0	71.0	6.90	18.3	76.2	7.23	18.5	78.2	7.41	18.6
	20	114	59.8	7.01	28.4	65.7	8.20	29.3	70.8	9.17	30.1	75.7	9.60	30.7	77.8	9.79	31.0
	20	228	59.8	6.86	24.2	65.7	8.05	24.6	70.8	9.01	25.0	75.7	9.46	25.4	77.8	9.63	25.5
	20	342	59.8	6.65	22.8	65.7	7.84	23.1	70.8	8.74	23.3	75.7	9.15	23.6	77.8	9.35	23.7
	25	114	59.8	8.76	33.6	65.7	10.29	34.6	70.8	11.46	35.3	75.7	12.02	36.0	77.8	12.23	36.3
	25	228	59.8	8.16	29.3	65.7	9.60	29.7	70.8	10.68	30.1	75.7	11.21	30.5	77.8	11.41	30.6
	25	342	59.8	7.85	27.8	65.7	9.26	28.1	70.8	10.34	28.4	75.7	10.85	28.6	77.8	11.07	28.7
	30	114	59.8	10.41	38.8	65.7	12.24	39.8	70.8	13.65	40.6	75.7	14.32	41.3	77.8	14.58	41.6
	30	228	59.8	10.23	34.4	65.7	12.03	34.9	70.8	13.40	35.3	75.7	14.09	35.6	77.8	14.34	35.8
	30	342	59.8	9.90	32.9	65.7	11.68	33.2	70.8	13.00	33.5	75.7	13.64	33.7	77.8	13.95	33.8
	35	114	58.4	11.14	43.7	64.6	13.12	44.8	69.2	14.63	45.5	74.4	15.31	46.3	76.2	15.61	46.5
	35	228	58.4	10.94	39.4	64.6	12.89	39.9	69.2	14.38	40.3	74.4	15.07	40.6	76.2	15.37	40.8
	35	342	58.4	10.61	37.9	64.6	12.50	38.2	69.2	13.89	38.5	74.4	14.61	38.7	76.2	14.94	38.8
	40	114	50.9	12.09	47.9	56.1	14.23	48.8	60.2	15.85	49.6	64.6	16.63	50.2	66.5	16.96	50.5
	40	228	51.3	11.86	44.0	56.6	13.99	44.4	60.8	15.58	44.8	65.1	16.35	45.1	67.0	16.68	45.3
	40	342	52.0	11.49	42.7	57.4	13.56	43.0	61.6	15.10	43.2	66.1	15.87	43.4	68.0	16.22	43.5
	45	114	44.6	12.94	52.2	49.0	15.22	53.1	52.8	16.96	53.8	56.7	17.78	54.4	58.1	18.14	54.6
	45	228	44.9	12.68	48.6	49.4	14.94	49.0	53.2	16.65	49.4	57.1	17.53	49.7	58.6	17.84	49.8
	45	342	45.6	12.26	47.4	50.1	14.50	47.7	54.0	16.16	47.9	58.0	16.99	48.1	59.5	17.31	48.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	114	56.6	4.16	17.6	62.5	4.90	18.5	67.2	5.46	19.1	72.1	5.72	19.8	73.9	5.83	20.0
	10	228	56.6	3.88	13.8	62.5	4.59	14.2	67.2	5.19	14.6	72.1	5.43	14.9	73.9	5.43	15.0
	10	342	56.6	3.75	12.5	62.5	4.50	12.8	67.2	4.91	13.0	72.1	5.32	13.2	73.9	5.40	13.3
	15	114	56.6	5.55	22.8	62.5	6.54	23.7	67.2	7.28	24.4	72.1	7.64	25.0	73.9	7.78	25.3
	15	228	56.6	5.17	18.9	62.5	6.09	19.3	67.2	6.79	19.7	72.1	7.12	20.0	73.9	7.25	20.1
	15	342	56.6	5.00	17.6	62.5	5.89	17.9	67.2	6.56	18.1	72.1	6.88	18.3	73.9	7.01	18.4
	20	114	56.6	6.69	28.0	62.5	7.88	28.9	67.2	8.78	29.6	72.1	9.21	30.2	73.9	9.38	30.5
	20	228	56.6	6.58	24.0	62.5	7.74	24.4	67.2	8.63	24.8	72.1	9.05	25.1	73.9	9.22	25.2
	20	342	56.6	6.38	22.6	62.5	7.51	22.9	67.2	8.36	23.2	72.1	8.77	23.4	73.9	8.94	23.5
	25	114	56.6	8.34	33.2	62.5	9.82	34.1	67.2	10.94	34.8	72.1	11.47	35.5	73.9	11.69	35.8
	25	228	56.6	7.77	29.0	62.5	9.15	29.5	67.2	10.19	29.9	72.1	10.69	30.2	73.9	10.89	30.3
	25	342	56.6	7.51	27.7	62.5	8.84	28.0	67.2	9.85	28.2	72.1	10.34	28.5	73.9	10.53	28.5
	30	114	56.6	10.02	38.4	62.5	11.80	39.3	67.2	13.14	40.1	72.1	13.79	40.8	73.9	14.05	41.1
	30	228	56.6	9.85	34.2	62.5	11.60	34.7	67.2	12.92	35.0	72.1	13.55	35.4	73.9	13.81	35.5
	30	342	56.6	9.55	32.8	62.5	11.24	33.1	67.2	12.52	33.3	72.1	13.14	33.6	73.9	13.38	33.7
	35	114	56.6	10.89	43.5	62.5	12.82	44.5	67.2	14.28	45.2	72.1	14.98	45.9	73.9	15.26	46.2
	35	228	56.6	10.70	39.2	62.5	12.60	39.7	67.2	14.04	40.1	72.1	14.73	40.5	73.9	15.00	40.6
	35	342	56.6	10.37	37.8	62.5	12.21	38.1	67.2	13.61	38.4	72.1	14.28	38.6	73.9	14.54	38.7
	40	114	50.4	12.06	47.9	55.6	14.20	48.8	59.8	15.82	49.5	64.1	16.60	50.1	65.7	16.91	50.4
	40	228	50.8	11.86	43.9	56.1	13.96	44.4	60.3	15.56	44.8	64.7	16.32	45.1	66.3	16.62	45.2
	40	342	51.5	11.49	42.6	56.9	13.53	43.0	61.1	15.08	43.2	65.6	15.82	43.4	67.3	16.11	43.5
	45	114	45.2	13.13	52.3	49.9	15.46	53.2	53.7	17.22	53.9	57.6	18.07	54.5	59.0	18.41	54.7
	45	228	45.6	12.91	48.7	50.4	15.20	49.1	54.1	16.93	49.5	58.1	17.76	49.8	59.5	18.10	49.9
	45	342	46.3	12.51	47.5	51.1	14.73	47.8	54.9	16.41	48.0	58.9	17.22	48.2	60.4	17.54	48.3
90	10	114	51.1	3.56	16.9	56.4	4.19	17.6	60.6	4.67	18.2	65.0	4.90	18.8	66.7	4.99	19.0
	10	228	51.1	3.50	13.4	56.4	4.12	13.8	60.6	4.59	14.1	65.0	4.82	14.4	66.7	4.91	14.5
	10	342	51.1	3.39	12.3	56.4	3.99	12.5	60.6	4.45	12.7	65.0	4.67	12.9	66.7	4.76	13.0
	15	114	51.1	4.75	22.0	56.4	5.60	22.8	60.6	6.24	23.4	65.0	6.54	24.0	66.7	6.66	24.2
	15	228	51.1	4.67	18.5	56.4	5.50	18.9	60.6	6.13	19.2	65.0	6.43	19.5	66.7	6.55	19.6
	15	342	51.1	4.53	17.3	56.4	5.33	17.6	60.6	5.94	17.8	65.0	6.23	18.0	66.7	6.35	18.1
	20	114	51.1	5.73	27.1	56.4	6.74	27.9	60.6	7.51	28.6	65.0	7.88	29.2	66.7	8.03	29.4
	20	228	51.1	5.63	23.6	56.4	6.63	24.0	60.6	7.39	24.3	65.0	7.75	24.6	66.7	7.89	24.7
	20	342	51.1	5.46	22.4	56.4	6.43	22.6	60.6	7.16	22.8	65.0	7.51	23.0	66.7	7.65	23.1
	25	114	51.1	7.14	32.3	56.4	8.40	33.1	60.6	9.36	33.8	65.0	9.82	34.4	66.7	10.01	34.6
	25	228	51.1	7.02	28.7	56.4	8.26	29.1	60.6	9.20	29.4	65.0	9.66	29.7	66.7	9.84	29.8
	25	342	51.1	6.80	27.4	56.4	8.01	27.7	60.6	8.92	27.9	65.0	9.36	28.1	66.7	9.53	28.2
	30	114	51.1	8.58	37.5	56.4	10.10	38.4	60.6	11.25	39.0	65.0	11.80	39.7	66.7	12.03	39.9
	30	228	51.1	8.43	33.7	56.4	9.93	34.2	60.6	11.06	34.5	65.0	11.60	34.8	66.7	11.82	34.9
	30	342	51.1	8.17	32.5	56.4	9.62	32.8	60.6	10.72	33.0	65.0	11.25	33.2	66.7	11.46	33.3
	35	114	51.1	9.32	42.6	56.4	10.97	43.5	60.6	12.23	44.2	65.0	12.83	44.8	66.7	13.07	45.0
	35	228	51.1	9.16	38.8	56.4	10.79	39.2	60.6	12.02	39.6	65.0	12.61	39.9	66.7	12.84	40.0
	35	342	51.1	8.88	37.5	56.4	10.45	37.8	60.6	11.65	38.0	65.0	12.22	38.2	66.7	12.45	38.3
	40	114	45.4	10.33	47.0	50.1	12.16	47.8	53.9	13.55	48.5	57.8	14.21	49.1	59.3	14.48	49.3
	40	228	45.8	10.15	43.5	50.6	11.95	43.9	54.4	13.32	44.3	58.3	13.97	44.5	59.8	14.23	44.7
	40	342	46.5	9.84	42.4	51.3	11.58	42.6	55.1	12.91	42.9	59.1	13.54	43.0	60.7	13.79	43.1
	45	114	40.8	11.24	51.5	45.0	13.23	52.3	48.4	14.74	52.9	51.9	15.47	53.5	53.2	15.76	53.7
	45	228	41.1	11.05	48.3	45.4	13.01	48.7	48.8	14.49	49.0	52.4	15.21	49.2	53.7	15.49	49.3
	45	342	41.7	10.71	47.2	46.1	12.61	47.5	49.5	14.05	47.7	53.1	14.74	47.8	54.5	15.01	47.9
80	10	114	45.5	2.99	16.1	50.2	3.52	16.8	54.0	3.92	17.3	57.9	4.11	17.8	59.4	4.19	18.0
	10	228	45.5	2.94	13.0	50.2	3.46	13.4	54.0	3.85	13.6	57.9	4.04	13.9	59.4	4.12	14.0
	10	342	45.5	2.85	12.0	50.2	3.35	12.2	54.0	3.73	12.4	57.9	3.92	12.6	59.4	3.99	12.7
	15	114	45.5	3.99	21.2	50.2	4.70	21.9	54.0	5.23	22.4	57.9	5.49	23.0	59.4	5.59	23.2
	15	228	45.5	3.92	18.1	50.2	4.62	18.4	54.0	5.14	18.7	57.9	5.40	19.0	59.4	5.50	19.1
	15	342	45.5	3.80	17.1	50.2	4.47	17.3	54.0	4.98	17.5	57.9	5.23	17.6	59.4	5.33	17.7
	20	114	45.5	4.81	26.3	50.2	5.66	27.0	54.0	6.31	27.6	57.9	6.61	28.1	59.4	6.74	28.3
	20	228	45.5	4.72	23.2	50.2	5.56	23.5	54.0	6.20	23.8	57.9	6.50	24.1	59.4	6.62	24.2
	20	342	45.5	4.58	22.1	50.2	5.39	22.3	54.0	6.01	22.5	57.9	6.30	22.7	59.4	6.42	22.8
	25	114	45.5	5.99	31.5	50.2	7.05	32.2	54.0	7.86	32.8	57.9	8.24	33.3	59.4	8.40	33.5
	25	228	45.5	5.89	28.2	50.2	6.93	28.6	54.0	7.72	28.9	57.9	8.10	29.2	59.4	8.25	29.3
	25	342	45.5	5.71	27.1	50.2	6.72	27.4	54.0	7.48	27.6	57.9	7.85	27.8	59.4	8.00	27.8
	30	114	45.5	7.20	36.6	50.2	8.47	37.4	54.0	9.44	38.0	57.9	9.90	38.5	59.4	10.09	38.7
	30	228	45.5	7.07	33.3	50.2	8.33	33.7	54.0	9.28	34.0	57.9	9.74	34.3	59.4	9.92	34.4
	30	342	45.5	6.86	32.2	50.2	8.07	32.4	54.0	8.99	32.6	57.9	9.44	32.8	59.4	9.61	32.9
	35	114	45.5	7.82	41.7	50.2	9.21	42.5	54.0	10.26	43.1	57.9	10.76	43.6	59.4	10.96	43.8
	35	228	45.5	7.69	38.3	50.2	9.05	38.7	54.0	10.08	39.0	57.9	10.58	39.3	59.4	10.78	39.4
	35	342	45.5	7.45	37.2	50.2	8.77	37.5	54.0	9.77	37.7	57.9	10.25	37.9	59.4	10.45	37.9
	40	114	40.5	8.66	46.2	44.7	10.20	46.9	48.0	11.37	47.5	51.5	11.92	48.0	52.8	12.15	48.2
	40	228	40.8	8.52	43.1	45.1	10.03	43.5	48.4	11.17	43.7	52.0	11.72	44.0	53.3	11.94	44.1
	40	342	41.4	8.25	42.1	45.7	9.72	42.3	49.1	10.83	42.5	52.7	11.36	42.7	54.0	11.57	42.8
	45	114	36.4	9.43	50.8	40.1	11.10	51.4	43.1	12.37	52.0	46.3	12.98	52.4	47.4	13.22	52.6
	45	228	36.7	9.27	47.9	40.5	10.92	48.2	43.5	12.16	48.5	46.7	12.76	48.7	47.8	13.00	48.8
	45	342	37.2	8.98	46.9	41.0	10.58	47.2	44.1	11.79	47.3	47.3	12.37	47.5	48.5	12.60	47.6

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	114	39.7	2.49	15.3	43.8	2.93	15.9	47.1	3.26	16.3	50.5	3.42	16.8	51.8	3.48	17.0
	10	228	39.7	2.44	12.6	43.8	2.88	12.9	47.1	3.21	13.2	50.5	3.36	13.4	51.8	3.43	13.5
	10	342	39.7	2.37	11.8	43.8	2.79	12.0	47.1	3.11	12.1	50.5	3.26	12.3	51.8	3.32	12.3
	15	114	39.7	3.32	20.4	43.8	3.91	21.0	47.1	4.35	21.5	50.5	4.57	21.9	51.8	4.65	22.1
	15	228	39.7	3.26	17.7	43.8	3.84	18.0	47.1	4.28	18.2	50.5	4.49	18.5	51.8	4.57	18.5
	15	342	39.7	3.16	16.8	43.8	3.72	17.0	47.1	4.15	17.1	50.5	4.35	17.3	51.8	4.43	17.4
	20	114	39.7	4.00	25.5	43.8	4.71	26.1	47.1	5.25	26.6	50.5	5.50	27.0	51.8	5.61	27.2
	20	228	39.7	3.93	22.7	43.8	4.63	23.0	47.1	5.16	23.3	50.5	5.41	23.5	51.8	5.51	23.6
	20	342	39.7	3.81	21.8	43.8	4.49	22.0	47.1	5.00	22.2	50.5	5.24	22.3	51.8	5.34	22.4
	25	114	39.7	4.98	30.6	43.8	5.87	31.2	47.1	6.54	31.7	50.5	6.86	32.2	51.8	6.98	32.4
	25	228	39.7	4.90	27.8	43.8	5.77	28.1	47.1	6.42	28.4	50.5	6.74	28.6	51.8	6.87	28.7
	25	342	39.7	4.75	26.9	43.8	5.59	27.1	47.1	6.23	27.2	50.5	6.53	27.4	51.8	6.65	27.5
	30	114	39.7	5.99	35.7	43.8	7.05	36.4	47.1	7.85	36.9	50.5	8.24	37.4	51.8	8.39	37.6
	30	228	39.7	5.88	32.9	43.8	6.93	33.2	47.1	7.72	33.4	50.5	8.10	33.7	51.8	8.25	33.8
	30	342	39.7	5.70	31.9	43.8	6.72	32.1	47.1	7.48	32.3	50.5	7.85	32.4	51.8	8.00	32.5
	35	114	39.7	6.51	40.8	43.8	7.66	41.5	47.1	8.53	42.0	50.5	8.95	42.5	51.8	9.12	42.7
	35	228	39.7	6.39	37.9	43.8	7.53	38.2	47.1	8.39	38.5	50.5	8.80	38.7	51.8	8.97	38.8
	35	342	39.7	6.20	36.9	43.8	7.30	37.1	47.1	8.13	37.3	50.5	8.53	37.5	51.8	8.69	37.5
	40	114	35.3	7.21	45.3	39.0	8.49	46.0	41.9	9.46	46.5	44.9	9.92	46.9	46.1	10.11	47.1
	40	228	35.6	7.09	42.7	39.3	8.34	43.0	42.2	9.29	43.2	45.3	9.75	43.5	46.5	9.93	43.5
	40	342	36.1	6.87	41.8	39.9	8.09	42.0	42.9	9.01	42.2	46.0	9.45	42.3	47.1	9.63	42.4
	45	114	31.7	7.85	50.0	35.0	9.24	50.6	37.6	10.29	51.0	40.4	10.80	51.4	41.4	11.00	51.6
	45	228	32.0	7.71	47.5	35.3	9.08	47.8	37.9	10.12	48.0	40.7	10.61	48.2	41.7	10.81	48.3
	45	342	32.4	7.47	46.7	35.8	8.80	46.9	38.5	9.81	47.0	41.3	10.29	47.2	42.3	10.48	47.2
60	10	114	33.9	1.98	14.5	37.4	2.33	15.0	40.2	2.59	15.4	43.1	2.72	15.8	44.2	2.77	15.9
	10	228	33.9	1.94	12.3	37.4	2.29	12.5	40.2	2.55	12.7	43.1	2.67	12.9	44.2	2.72	13.0
	10	342	33.9	1.88	11.5	37.4	2.22	11.7	40.2	2.47	11.8	43.1	2.59	11.9	44.2	2.64	12.0
	15	114	33.9	2.64	19.6	37.4	3.11	20.1	40.2	3.46	20.5	43.1	3.63	20.9	44.2	3.70	21.0
	15	228	33.9	2.59	17.3	37.4	3.05	17.5	40.2	3.40	17.7	43.1	3.57	17.9	44.2	3.64	18.0
	15	342	33.9	2.51	16.5	37.4	2.96	16.7	40.2	3.30	16.8	43.1	3.46	17.0	44.2	3.52	17.0
	20	114	33.9	3.18	24.7	37.4	3.74	25.2	40.2	4.17	25.6	43.1	4.38	26.0	44.2	4.46	26.1
	20	228	33.9	3.13	22.3	37.4	3.68	22.6	40.2	4.10	22.8	43.1	4.30	23.0	44.2	4.38	23.1
	20	342	33.9	3.03	21.5	37.4	3.57	21.7	40.2	3.97	21.9	43.1	4.17	22.0	44.2	4.25	22.0
	25	114	33.9	3.96	29.8	37.4	4.67	30.3	40.2	5.20	30.7	43.1	5.45	31.1	44.2	5.56	31.3
	25	228	33.9	3.89	27.4	37.4	4.59	27.6	40.2	5.11	27.8	43.1	5.36	28.0	44.2	5.46	28.1
	25	342	33.9	3.77	26.6	37.4	4.44	26.8	40.2	4.95	26.9	43.1	5.20	27.0	44.2	5.29	27.1
	30	114	33.9	4.76	34.9	37.4	5.61	35.4	40.2	6.25	35.8	43.1	6.55	36.2	44.2	6.68	36.4
	30	228	33.9	4.68	32.4	37.4	5.51	32.7	40.2	6.14	32.9	43.1	6.44	33.1	44.2	6.56	33.2
	30	342	33.9	4.54	31.6	37.4	5.34	31.8	40.2	5.95	31.9	43.1	6.24	32.1	44.2	6.36	32.1
	35	114	33.9	5.17	39.9	37.4	6.09	40.5	40.2	6.79	40.9	43.1	7.12	41.3	44.2	7.25	41.5
	35	228	33.9	5.09	37.4	37.4	5.99	37.7	40.2	6.67	37.9	43.1	7.00	38.2	44.2	7.13	38.2
	35	342	33.9	4.93	36.6	37.4	5.80	36.8	40.2	6.47	37.0	43.1	6.78	37.1	44.2	6.91	37.1
	40	114	30.1	5.73	44.5	33.3	6.75	45.0	35.8	7.52	45.4	38.4	7.89	45.8	39.3	8.04	46.0
	40	228	30.4	5.64	42.3	33.5	6.64	42.5	36.1	7.39	42.7	38.7	7.76	42.9	39.7	7.90	43.0
	40	342	30.8	5.46	41.5	34.0	6.43	41.7	36.6	7.16	41.8	39.2	7.52	42.0	40.2	7.66	42.0
	45	114	27.1	6.24	49.2	29.9	7.35	49.7	32.1	8.19	50.1	34.4	8.59	50.4	35.3	8.75	50.5
	45	228	27.3	6.13	47.1	30.1	7.22	47.3	32.4	8.05	47.5	34.7	8.44	47.7	35.6	8.60	47.8
	45	342	27.7	5.94	46.4	30.6	7.00	46.6	32.8	7.80	46.7	35.2	8.18	46.8	36.1	8.33	46.9
50	10	114	28.5	1.47	13.8	31.4	1.74	14.2	33.8	1.93	14.5	36.3	2.03	14.8	37.2	2.07	14.9
	10	228	28.5	1.45	11.9	31.4	1.71	12.1	33.8	1.90	12.2	36.3	1.99	12.4	37.2	2.03	12.5
	10	342	28.5	1.40	11.3	31.4	1.65	11.4	33.8	1.84	11.5	36.3	1.93	11.6	37.2	1.97	11.6
	15	114	28.5	1.97	18.8	31.4	2.32	19.2	33.8	2.58	19.6	36.3	2.71	19.9	37.2	2.76	20.0
	15	228	28.5	1.93	16.9	31.4	2.28	17.1	33.8	2.54	17.3	36.3	2.66	17.4	37.2	2.71	17.5
	15	342	28.5	1.88	16.3	31.4	2.21	16.4	33.8	2.46	16.5	36.3	2.58	16.6	37.2	2.63	16.7
	20	114	28.5	2.37	23.9	31.4	2.79	24.3	33.8	3.11	24.6	36.3	3.26	25.0	37.2	3.33	25.1
	20	228	28.5	2.33	21.9	31.4	2.75	22.1	33.8	3.06	22.3	36.3	3.21	22.5	37.2	3.27	22.5
	20	342	28.5	2.26	21.3	31.4	2.66	21.4	33.8	2.96	21.5	36.3	3.11	21.6	37.2	3.17	21.7
	25	114	28.5	2.96	29.0	31.4	3.48	29.4	33.8	3.88	29.7	36.3	4.07	30.1	37.2	4.14	30.2
	25	228	28.5	2.91	27.0	31.4	3.42	27.2	33.8	3.81	27.4	36.3	4.00	27.5	37.2	4.07	27.6
	25	342	28.5	2.82	26.3	31.4	3.32	26.5	33.8	3.69	26.6	36.3	3.88	26.7	37.2	3.95	26.7
	30	114	28.5	3.55	34.0	31.4	4.18	34.5	33.8	4.66	34.8	36.3	4.89	35.2	37.2	4.98	35.3
	30	228	28.5	3.49	32.0	31.4	4.11	32.2	33.8	4.58	32.4	36.3	4.80	32.6	37.2	4.89	32.6
	30	342	28.5	3.38	31.3	31.4	3.98	31.5	33.8	4.44	31.6	36.3	4.66	31.7	37.2	4.74	31.8
	35	114	28.5	3.86	39.1	31.4	4.54	39.5	33.8	5.06	39.9	36.3	5.31	40.2	37.2	5.41	40.4
	35	228	28.5	3.79	37.0	31.4	4.47	37.3	33.8	4.98	37.4	36.3	5.22	37.6	37.2	5.32	37.7
	35	342	28.5	3.68	36.3	31.4	4.33	36.5	33.8	4.82	36.6	36.3	5.06	36.7	37.2	5.16	36.8
	40	114	25.3	4.28	43.7	28.0	5.04	44.1	30.1	5.61	44.5	32.2	5.89	44.8	33.1	6.00	44.9
	40	228	25.6	4.20	41.9	28.2	4.95	42.1	30.3	5.51	42.3	32.5	5.79	42.4	33.3	5.89	42.5
	40	342	25.9	4.07	41.3	28.6	4.80	41.4	30.8	5.34	41.5	33.0	5.61	41.6	33.8	5.71	41.7
	45	114	22.8	4.65	48.4	25.1	5.48	48.8	27.0	6.11	49.2	29.0	6.41	49.4	29.7	6.53	49.6
	45	228	22.9	4.58	46.7	25.3	5.39	46.9	27.2	6.00	47.1	29.2	6.30	47.2	29.9	6.41	47.3
	45	342	23.3	4.43	46.2	25.7	5.22	46.3	27.6	5.82	46.4	29.6	6.10	46.5	30.4	6.22	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	114	91.0	20.29	-3.9	89.6	19.37	-3.8	86.8	18.88	-3.5	81.5	17.49	-3.0	78.6	16.17	-2.8
	5	228	93.7	20.14	0.4	91.6	19.52	0.5	88.5	19.18	0.6	82.9	17.73	0.9	79.7	16.39	1.0
	5	342	94.4	20.85	1.9	92.2	20.17	2.0	89.0	19.53	2.1	83.5	18.11	2.3	80.6	17.01	2.3
	10	114	91.6	18.16	0.8	89.9	17.34	0.9	86.8	17.02	1.2	81.5	15.77	1.7	78.6	14.66	2.0
	10	228	93.7	18.01	5.2	91.6	17.38	5.3	88.5	17.14	5.5	82.9	15.73	5.8	79.7	14.65	5.9
	10	342	94.4	18.38	6.8	92.5	17.77	6.9	89.5	17.24	7.0	83.5	15.84	7.2	80.6	14.94	7.2
	15	114	92.0	16.24	5.5	90.4	15.40	5.6	89.1	15.49	5.7	82.8	14.04	6.4	79.3	13.21	6.7
	15	228	94.9	15.58	10.0	93.0	15.13	10.1	92.0	15.36	10.2	85.5	13.65	10.5	81.5	12.75	10.7
	15	342	95.6	16.14	11.7	94.4	15.66	11.7	93.7	15.36	11.7	86.9	13.61	11.9	83.3	13.30	12.1
	20	114	95.4	14.93	9.9	93.7	14.11	10.0	92.5	14.00	10.1	86.0	12.54	10.8	82.0	12.45	11.3
	20	228	98.4	14.36	14.7	96.8	14.13	14.8	95.0	14.45	14.9	88.7	12.94	15.2	84.9	12.50	15.4
	20	342	99.1	14.52	16.5	97.7	14.06	16.5	97.0	14.10	16.5	89.9	12.68	16.8	85.8	12.50	16.9
	25	114	99.9	14.28	14.2	97.5	13.70	14.5	96.5	13.65	14.6	90.3	12.41	15.2	86.7	11.87	15.6
	25	228	99.9	14.06	19.6	97.5	13.61	19.7	96.5	13.40	19.8	90.3	12.22	20.1	86.7	11.93	20.3
	25	342	99.9	13.77	21.4	97.5	13.08	21.5	96.5	13.11	21.5	90.3	12.31	21.7	86.7	11.19	21.8
	30	114	99.9	13.87	19.2	97.5	13.06	19.4	96.5	13.09	19.5	90.3	11.67	20.1	86.7	11.78	20.6
	30	228	99.9	13.40	24.6	97.5	12.96	24.7	96.5	12.77	24.7	90.3	11.78	25.1	86.7	11.01	25.2
	30	342	99.9	13.11	26.4	97.5	12.44	26.4	96.5	12.46	26.5	90.3	11.00	26.7	86.7	11.47	26.8
	35	114	99.9	13.21	24.1	97.5	12.63	24.3	96.5	12.58	24.4	90.3	11.25	25.1	86.7	10.53	25.4
	35	228	99.9	12.77	29.5	97.5	12.34	29.6	96.5	12.34	29.7	90.3	11.12	30.0	86.7	10.28	30.2
	35	342	99.9	12.77	31.4	97.5	12.13	31.4	96.5	12.00	31.5	90.3	10.80	31.7	86.7	10.02	31.8
	40	114	99.9	12.77	29.1	97.5	12.20	29.3	96.5	12.12	29.4	90.3	10.82	30.0	86.7	10.38	30.4
	40	228	99.9	12.33	34.5	97.5	11.89	34.6	96.5	11.71	34.7	90.3	10.43	35.0	86.7	9.99	35.2
	40	342	99.9	11.99	36.3	97.5	11.60	36.4	96.5	11.71	36.4	90.3	10.43	36.7	86.7	9.99	36.8
	45	114	99.9	12.34	34.0	97.5	11.79	34.2	96.5	11.71	34.3	90.3	10.33	34.9	86.7	10.27	35.4
	45	228	99.9	11.92	39.5	97.5	11.48	39.6	96.5	11.05	39.6	90.3	9.66	39.9	86.7	9.68	40.2
	45	342	99.9	11.24	41.3	97.5	11.05	41.4	96.5	11.39	41.4	90.3	9.95	41.6	86.7	10.00	41.8
120	5	114	86.7	20.13	-3.4	85.3	19.29	-3.3	82.5	18.74	-3.0	77.7	17.24	-2.6	74.4	15.93	-2.3
	5	228	88.9	20.41	0.7	87.0	19.68	0.8	83.5	19.18	1.0	78.6	17.60	1.2	75.2	16.12	1.3
	5	342	89.6	20.60	2.1	86.3	19.90	2.2	84.0	19.53	2.3	79.0	17.95	2.4	75.7	16.46	2.5
	10	114	87.2	18.01	1.3	85.6	17.26	1.4	82.5	16.90	1.8	77.7	15.54	2.2	74.4	14.44	2.5
	10	228	88.9	18.26	5.6	87.0	17.53	5.6	83.5	17.14	5.8	78.6	15.61	6.0	75.2	14.40	6.2
	10	342	89.6	18.16	7.0	86.5	17.53	7.1	84.5	17.24	7.2	79.0	15.70	7.3	75.7	14.46	7.4
	15	114	87.7	15.95	6.0	85.8	15.25	6.1	84.7	15.24	6.3	78.9	13.84	6.8	75.0	12.99	7.2
	15	228	89.6	16.09	10.4	87.9	15.40	10.4	86.6	15.36	10.5	80.7	13.65	10.8	76.6	12.57	11.0
	15	342	90.3	15.73	11.9	87.9	15.18	12.0	87.6	15.36	12.0	81.6	13.61	12.1	77.5	12.57	12.3
	20	114	90.1	14.32	10.5	88.4	13.55	10.6	86.9	13.40	10.8	80.9	12.14	11.4	76.8	12.08	11.9
	20	228	92.4	14.16	15.1	90.5	13.84	15.2	88.6	14.06	15.3	82.8	12.51	15.6	78.8	11.79	15.8
	20	342	92.9	14.13	16.7	90.3	13.60	16.8	90.0	13.64	16.8	83.7	12.25	17.0	79.5	11.85	17.2
	25	114	93.9	13.50	14.9	91.0	12.69	15.2	89.5	12.65	15.3	83.7	11.42	15.9	80.2	10.88	16.3
	25	228	94.1	13.30	19.9	91.0	12.62	20.1	89.5	12.57	20.2	83.7	11.20	20.4	80.2	10.95	20.6
	25	342	94.6	12.55	21.6	91.0	12.12	21.7	89.5	12.23	21.8	83.7	11.58	22.0	80.2	10.24	22.1
	30	114	94.3	12.84	19.8	91.0	12.07	20.1	89.5	11.92	20.2	83.7	10.47	20.8	80.2	10.55	21.2
	30	228	94.3	12.43	24.9	91.0	11.79	25.0	89.5	11.70	25.1	83.7	10.55	25.4	80.2	9.83	25.6
	30	342	94.3	11.82	26.5	91.0	11.38	26.7	89.5	11.36	26.7	83.7	10.12	26.9	80.2	10.25	27.1
	35	114	94.3	12.21	24.7	91.0	11.43	25.0	89.5	11.26	25.2	83.7	10.05	25.7	80.2	9.34	26.1
	35	228	94.3	11.50	29.8	91.0	11.00	30.0	89.5	10.83	30.1	83.7	9.69	30.3	80.2	8.95	30.5
	35	342	94.3	11.31	31.5	91.0	10.88	31.6	89.5	10.83	31.7	83.7	9.69	31.9	80.2	8.95	32.0
	40	114	94.3	11.77	29.6	91.0	10.88	29.9	89.5	10.61	30.1	83.7	9.40	30.7	80.2	8.98	31.0
	40	228	94.3	10.87	34.8	91.0	10.38	34.9	89.5	10.17	35.0	83.7	9.03	35.3	80.2	8.59	35.5
	40	342	94.3	10.65	36.5	91.0	10.16	36.6	89.5	10.17	36.7	83.7	9.03	36.9	80.2	8.59	37.0
	45	114	94.3	11.36	34.6	91.0	10.33	34.9	89.5	9.98	35.0	83.7	8.72	35.6	80.2	8.63	36.0
	45	228	94.3	10.22	39.7	91.0	9.73	39.9	89.5	9.51	40.0	83.7	8.28	40.3	80.2	8.24	40.5
	45	342	94.3	10.02	41.5	91.0	9.46	41.6	89.5	9.51	41.6	83.7	8.28	41.8	80.2	8.24	42.0
110	5	114	83.0	20.35	-2.9	81.1	19.37	-2.8	78.1	18.80	-2.5	73.8	17.24	-2.1	70.0	15.93	-1.8
	5	228	84.6	20.49	1.0	82.1	19.68	1.1	78.9	19.18	1.2	74.3	17.60	1.4	70.5	16.12	1.6
	5	342	85.3	20.79	2.3	82.6	19.90	2.4	79.1	19.37	2.5	74.3	17.77	2.6	70.7	16.46	2.7
	10	114	83.5	18.21	1.8	81.4	17.34	1.9	78.1	16.95	2.3	73.8	15.54	2.7	70.0	14.44	3.0
	10	228	84.6	18.33	5.8	82.1	17.53	5.9	78.9	17.14	6.1	74.3	15.61	6.3	70.5	14.40	6.5
	10	342	85.3	18.33	7.2	82.8	17.53	7.3	79.6	17.10	7.4	74.3	15.54	7.5	70.7	14.46	7.6
	15	114	83.7	16.04	6.5	81.6	15.40	6.7	80.2	15.36	6.8	75.0	13.84	7.3	70.7	12.99	7.7
	15	228	85.1	15.95	10.7	82.8	15.40	10.8	81.2	15.36	10.9	75.7	13.65	11.1	71.6	12.57	11.3
	15	342	85.8	15.80	12.1	83.3	15.18	12.1	81.9	15.05	12.2	76.1	13.31	12.4	71.8	12.57	12.5
	20	114	85.3	13.91	11.0	83.0	13.34	11.2	81.4	13.20	11.4	75.7	11.93	12.0	71.6	11.70	12.5
	20	228	87.2	13.85	15.4	84.0	13.41	15.6	82.1	13.67	15.7	76.8	12.12	15.9	72.5	11.23	16.2
	20	342	88.0	14.00	16.9	85.2	13.34	17.0	83.1	13.20	17.1	77.3	11.56	17.2	73.1	11.23	17.4
	25	114	87.7	12.59	15.6	84.9	11.93	15.8	82.9	11.91	16.1	77.3	10.61	16.6	73.4	9.92	17.0
	25	228	88.4	12.52	20.2	84.9	11.73	20.4	82.9	11.70	20.5	77.3	10.41	20.8	73.4	9.94	21.0
	25	342	89.1	12.52	21.8	84.9	11.81	21.9	82.9	11.35	22.0	77.3	10.77	22.2	73.4	9.29	22.3
	30	114	88.9	11.45	20.3	84.9	10.87	20.7	82.9	10.60	20.9	77.3	9.49	21.5	73.4	9.13	21.9
	30	228	88.9	11.26	25.1	84.9	10.66	25.3	82.9	10.38	25.4	77.3	9.52	25.7	73.4	8.64	25.9
	30	342	88.9	11.14	26.7	84.9	10.35	26.9	82.9	10.04	26.9	77.3	8.87	27.1	73.4	9.00	27.3
	35	114	88.9	10.82	25.2	84.9	10.01	25.6	82.9	9.75	25.8	77.3	8.65	26.4	73.4	7.98	26.8
	35	228	88.9	10.38	30.1	84.9	9.82	30.3	82.9	9.51	30.4	77.3	8.48	30.7	73.4	7.77	30.9
	35	342	88.9	9.99	31.7	84.9	9.48	31.8	82.9	9.22	31.9	77.3	8.48	32.1	73.4	7.77	32.3
	40	114	88.9	10.16	30.1	84.9	9.61	30.5	82.9	9.10	30.7	77.3	8.01	31.3	73.4	7.57	31.7
	40	228	88.9	9.75	35.0	84.9	9.17	35.2	82.9	8.66	35.3	77.3	7.82	35.6	73.4	7.40	35.9
	40	342	88.9	9.53	36.7	84.9	8.84	36.8	82.9	8.66	36.9	77.3	7.50	37.1	73.4	7.09	37.2
	45	114	88.9	9.51	35.0	84.9	9.18	35.5	82.9	8.44	35.6	77.3	7.36	36.2	73.4	7.17	36.7
	45	228	88.9	9.09	40.0	84.9	8.53	40.2	82.9	7.78	40.3	77.3	7.08	40.6	73.4	7.01	40.8
	45	342	88.9	9.10	41.7	84.9	8.19	41.8	82.9	8.12	41.9	77.3	6.51	42.0	73.4	6.36	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	114	79.2	20.41	-2.4	76.4	19.62	-2.1	73.6	18.85	-1.9	69.5	17.29	-1.6	65.6	15.73	-1.3
	5	228	80.4	20.77	1.3	77.1	19.96	1.4	73.9	19.24	1.6	69.5	17.65	1.7	65.6	16.04	1.9
	5	342	81.1	20.97	2.5	77.3	20.17	2.6	73.7	19.43	2.7	69.5	17.82	2.8	65.6	16.19	2.9
	10	114	79.7	18.26	2.3	76.6	17.56	2.6	73.6	17.00	2.9	69.5	15.59	3.2	65.6	14.27	3.5
	10	228	80.4	18.58	6.1	77.1	17.77	6.3	73.9	17.20	6.4	69.5	15.66	6.6	65.6	14.34	6.8
	10	342	81.1	18.48	7.4	77.5	17.77	7.5	74.1	17.15	7.6	69.5	15.59	7.7	65.6	14.22	7.8
	15	114	79.9	16.09	7.0	77.1	15.51	7.3	75.6	15.41	7.4	70.6	13.88	7.9	66.2	12.82	8.3
	15	228	80.4	16.41	11.0	77.1	15.56	11.1	75.6	15.41	11.2	70.6	13.69	11.4	66.2	12.61	11.6
	15	342	81.3	15.99	12.3	77.8	15.37	12.4	75.6	15.09	12.5	70.6	13.35	12.6	66.2	12.30	12.7
	20	114	80.6	13.75	11.6	77.3	13.16	11.9	75.6	13.02	12.1	70.6	11.77	12.6	66.2	11.12	13.1
	20	228	81.8	13.87	15.7	77.5	13.28	16.0	75.6	13.02	16.1	70.6	11.77	16.3	66.2	10.69	16.5
	20	342	82.5	13.63	17.1	78.7	13.04	17.2	75.6	12.68	17.4	70.6	11.22	17.5	66.2	10.38	17.7
	25	114	81.6	12.00	16.3	78.5	11.36	16.6	75.6	11.07	16.9	70.6	9.85	17.4	66.2	8.98	17.8
	25	228	82.7	12.02	20.6	78.5	11.12	20.8	75.6	10.85	20.9	70.6	9.63	21.2	66.2	8.98	21.4
	25	342	83.4	11.63	22.0	78.5	11.00	22.2	75.6	10.53	22.3	70.6	9.63	22.4	66.2	8.65	22.6
	30	114	83.2	10.85	20.9	78.5	9.85	21.4	75.6	9.34	21.7	70.6	8.33	22.2	66.2	7.93	22.7
	30	228	83.2	10.63	25.4	78.5	9.63	25.7	75.6	9.24	25.8	70.6	8.33	26.1	66.2	7.69	26.3
	30	342	83.2	10.31	26.9	78.5	9.63	27.1	75.6	9.05	27.2	70.6	8.00	27.4	66.2	7.69	27.5
	35	114	83.2	10.00	25.8	78.5	8.98	26.3	75.6	8.24	26.5	70.6	7.47	27.1	66.2	6.82	27.5
	35	228	83.2	9.53	30.4	78.5	8.55	30.6	75.6	8.14	30.8	70.6	7.28	31.0	66.2	6.63	31.3
	35	342	83.2	9.53	31.9	78.5	8.55	32.1	75.6	7.97	32.2	70.6	7.28	32.3	66.2	6.63	32.5
	40	114	83.2	9.34	30.7	78.5	8.33	31.2	75.6	7.39	31.4	70.6	6.63	32.0	66.2	6.20	32.5
	40	228	83.2	8.90	35.3	78.5	7.93	35.6	75.6	7.29	35.7	70.6	6.41	36.0	66.2	6.00	36.2
	40	342	83.2	8.58	36.9	78.5	7.93	37.0	75.6	7.10	37.1	70.6	6.41	37.3	66.2	6.00	37.5
	45	114	83.2	8.68	35.6	78.5	7.69	36.1	75.6	6.51	36.3	70.6	5.76	36.9	66.2	5.55	37.4
	45	228	83.2	8.24	40.3	78.5	7.28	40.5	75.6	6.41	40.7	70.6	5.55	40.9	66.2	5.36	41.2
	45	342	83.2	7.61	41.8	78.5	7.28	42.0	75.6	6.22	42.1	70.6	5.55	42.3	66.2	5.36	42.5
90	5	114	71.2	18.67	-1.6	68.8	17.63	-1.4	66.7	16.65	-1.3	61.3	15.29	-0.8	56.3	13.71	-0.4
	5	228	71.7	19.01	1.7	68.6	17.97	1.8	66.7	16.97	1.9	61.3	15.61	2.1	56.3	13.98	2.3
	5	342	72.1	19.18	2.8	69.1	18.14	2.9	66.7	17.17	2.9	61.3	15.76	3.1	56.3	14.16	3.2
	10	114	71.7	16.42	3.1	69.1	15.63	3.3	66.7	15.02	3.5	61.3	13.79	4.0	56.3	12.46	4.5
	10	228	71.4	16.47	6.5	68.8	15.70	6.7	66.7	15.07	6.8	61.3	13.74	7.0	56.3	12.48	7.2
	10	342	72.1	16.42	7.7	69.1	15.63	7.8	66.7	15.02	7.8	61.3	13.81	8.0	56.3	12.55	8.2
	15	114	71.9	14.17	7.7	69.3	13.64	8.0	66.7	13.39	8.3	62.5	12.28	8.7	59.4	11.20	8.9
	15	228	71.4	13.93	11.4	68.8	13.42	11.5	66.7	13.17	11.6	62.5	11.86	11.8	59.4	10.98	12.0
	15	342	72.1	13.64	12.5	69.1	13.13	12.7	66.7	12.83	12.7	62.5	11.86	12.9	59.4	10.98	13.0
	20	114	72.4	12.00	12.4	69.6	11.63	12.7	66.7	11.42	13.0	62.5	10.53	13.5	59.4	9.89	13.8
	20	228	72.1	12.00	16.2	69.1	11.49	16.4	68.0	11.42	16.4	62.5	10.11	16.7	59.4	9.45	16.9
	20	342	72.4	11.71	17.5	69.3	11.37	17.6	68.0	11.42	17.6	62.5	10.11	17.8	59.4	9.45	17.9
	25	114	73.8	10.47	17.0	70.5	9.92	17.4	68.0	9.83	17.7	62.5	8.78	18.2	59.4	8.14	18.6
	25	228	74.5	10.38	21.0	70.5	9.82	21.2	68.0	9.63	21.3	62.5	8.56	21.6	59.4	7.89	21.8
	25	342	75.0	9.97	22.3	70.5	9.48	22.4	68.0	9.63	22.6	62.5	8.56	22.7	59.4	7.89	22.8
	30	114	74.7	9.46	21.8	70.5	8.83	22.2	68.0	8.50	22.5	62.5	7.67	23.1	59.4	7.00	23.4
	30	228	74.7	9.26	25.9	70.5	8.61	26.1	68.0	8.30	26.2	62.5	7.47	26.5	59.4	7.00	26.7
	30	342	74.7	8.93	27.2	70.5	8.27	27.4	68.0	8.30	27.5	62.5	7.47	27.7	59.4	6.71	27.8
	35	114	74.7	8.61	26.7	70.5	7.98	27.1	68.0	7.62	27.4	62.5	6.81	28.0	59.4	6.36	28.3
	35	228	74.7	8.78	30.9	70.5	7.74	31.1	68.0	7.39	31.2	62.5	6.59	31.5	59.4	6.36	31.7
	35	342	74.7	8.05	32.2	70.5	7.89	32.4	68.0	7.04	32.4	62.5	6.59	32.7	59.4	6.36	32.8
	40	114	74.7	7.98	31.6	70.5	7.33	32.1	68.0	6.72	32.3	62.5	6.17	32.9	59.4	5.70	33.2
	40	228	74.7	7.52	35.8	70.5	7.11	36.0	68.0	6.49	36.1	62.5	5.92	36.4	59.4	5.50	36.6
	40	342	74.7	7.52	37.2	70.5	7.11	37.3	68.0	6.49	37.4	62.5	5.92	37.6	59.4	5.70	37.7
	45	114	74.7	7.33	36.5	70.5	6.68	37.0	68.0	5.81	37.2	62.5	5.50	37.8	59.4	5.03	38.2
	45	228	74.7	6.68	40.7	70.5	6.46	41.0	68.0	5.61	41.1	62.5	5.28	41.4	59.4	4.83	41.6
	45	342	74.7	7.67	42.2	70.5	6.80	42.3	68.0	5.91	42.4	62.5	5.28	42.6	59.4	4.83	42.7
80	5	114	67.8	15.35	-1.6	63.5	14.49	-1.2	61.7	13.68	-1.0	56.6	12.57	-0.5	52.0	11.27	-0.1
	5	228	67.8	15.62	1.7	63.5	14.77	1.9	61.7	13.95	2.0	56.6	12.83	2.2	52.0	11.49	2.5
	5	342	67.8	15.76	2.8	63.5	14.91	3.0	61.7	14.11	3.0	56.6	12.95	3.2	52.0	11.64	3.3
	10	114	67.8	13.50	3.2	63.5	12.84	3.6	61.7	12.35	3.8	56.6	11.33	4.3	52.0	10.24	4.7
	10	228	67.8	13.54	6.6	63.5	12.90	6.8	61.7	12.39	6.9	56.6	11.29	7.1	52.0	10.26	7.4
	10	342	67.8	13.50	7.7	63.5	12.84	7.9	61.7	12.35	7.9	56.6	11.35	8.1	52.0	10.32	8.3
	15	114	67.8	11.65	7.9	63.5	11.21	8.4	61.7	11.01	8.6	56.9	10.10	9.1	53.7	9.20	9.4
	15	228	67.8	11.45	11.5	63.5	11.03	11.7	61.7	10.82	11.8	56.9	9.75	12.0	53.7	9.02	12.2
	15	342	67.8	11.21	12.6	63.5	10.79	12.8	61.7	10.54	12.9	56.9	9.75	13.0	53.7	9.02	13.1
	20	114	67.8	9.86	12.7	63.5	9.56	13.2	61.7	9.39	13.4	56.9	8.66	13.9	53.7	8.13	14.3
	20	228	67.8	9.86	16.4	63.5	9.44	16.6	61.7	9.57	16.7	56.9	8.31	16.9	53.7	7.76	17.1
	20	342	67.8	9.62	17.6	63.5	9.34	17.7	61.7	9.57	17.8	56.9	8.31	18.0	53.7	7.76	18.1
	25	114	68.2	8.61	17.5	63.8	8.15	18.0	61.7	8.08	18.3	56.9	7.22	18.7	53.7	6.69	19.1
	25	228	68.2	8.53	21.2	63.8	8.07	21.5	61.7	7.92	21.6	56.9	7.03	21.9	53.7	6.49	22.0
	25	342	68.2	8.19	22.5	63.8	7.79	22.7	61.7	7.92	22.7	56.9	7.03	22.9	53.7	6.49	23.0
	30	114	68.2	7.77	22.4	63.8	7.26	22.9	61.7	6.99	23.1	56.9	6.30	23.6	53.7	5.76	24.0
	30	228	68.2	7.61	26.2	63.8	7.08	26.4	61.7	6.82	26.6	56.9	6.14	26.8	53.7	5.76	27.0
	30	342	68.2	7.34	27.4	63.8	6.80	27.6	61.7	6.82	27.7	56.9	6.14	27.9	53.7	5.51	28.0
	35	114	68.2	7.08	27.3	63.8	6.56	27.8	61.7	6.26	28.0	56.9	5.59	28.5	53.7	5.23	28.9
	35	228	68.2	7.22	31.2	63.8	6.36	31.4	61.7	6.08	31.5	56.9	5.41	31.8	53.7	5.23	32.0
	35	342	68.2	6.62	32.4	63.8	6.49	32.6	61.7	5.79	32.7	56.9	5.41	32.8	53.7	5.23	33.0
	40	114	68.2	6.56	32.2	63.8	6.02	32.7	61.7	5.52	32.9	56.9	5.07	33.5	53.7	4.68	33.8
	40	228	68.2	6.18	36.1	63.8	5.84	36.4	61.7	5.33	36.5	56.9	4.87	36.7	53.7	4.52	36.9
	40	342	68.2	6.18	37.4	63.8	5.84	37.6	61.7	5.33	37.6	56.9	4.87	37.8	53.7	4.68	37.9
	45	114	68.2	6.18	37.2	63.8	5.84	37.7	61.7	5.33	37.9	56.9	4.87	38.5	53.7	4.68	38.8
	45	228	68.2	6.18	41.1	63.8	5.84	41.4	61.7	5.33	41.5	56.9	4.87	41.7	53.7	4.68	41.9
	45	342	68.2	6.18	42.4	63.8	5.84	42.6	61.7	5.33	42.6	56.9	4.87	42.8	53.7	4.68	42.9

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	114	58.6	12.84	-0.8	54.9	12.13	-0.4	53.3	11.45	-0.3	48.9	10.52	0.2	44.9	9.43	0.5
	5	228	58.6	13.07	2.1	54.9	12.36	2.3	53.3	11.67	2.4	48.9	10.74	2.6	44.9	9.62	2.8
	5	342	58.6	13.19	3.1	54.9	12.48	3.2	53.3	11.81	3.3	48.9	10.84	3.4	44.9	9.74	3.5
	10	114	58.6	11.29	4.1	54.9	10.75	4.5	53.3	10.33	4.6	48.9	9.48	5.0	44.9	8.57	5.4
	10	228	58.6	11.33	7.0	54.9	10.80	7.2	53.3	10.36	7.3	48.9	9.45	7.5	44.9	8.58	7.7
	10	342	58.6	11.29	8.0	54.9	10.75	8.2	53.3	10.33	8.2	48.9	9.50	8.3	44.9	8.63	8.5
	15	114	58.6	9.75	8.9	54.9	9.38	9.3	53.3	9.21	9.5	49.2	8.45	9.9	46.4	7.70	10.1
	15	228	58.6	9.58	11.9	54.9	9.23	12.1	53.3	9.06	12.2	49.2	8.16	12.4	46.4	7.55	12.6
	15	342	58.6	9.38	12.9	54.9	9.03	13.1	53.3	8.82	13.1	49.2	8.16	13.3	46.4	7.55	13.4
	20	114	58.6	8.25	13.7	54.9	8.00	14.1	53.3	7.85	14.3	49.2	7.24	14.7	46.4	6.80	15.0
	20	228	58.6	8.25	16.8	54.9	7.90	17.0	53.3	8.01	17.2	49.2	6.95	17.3	46.4	6.50	17.5
	20	342	58.6	8.05	17.9	54.9	7.82	18.0	53.3	8.01	18.1	49.2	6.95	18.2	46.4	6.50	18.3
	25	114	58.9	7.20	18.5	55.1	6.82	18.9	53.3	6.76	19.2	49.2	6.04	19.6	46.4	5.60	19.9
	25	228	58.9	7.14	21.7	55.1	6.75	22.0	53.3	6.62	22.1	49.2	5.89	22.3	46.4	5.43	22.4
	25	342	58.9	6.85	22.8	55.1	6.52	23.0	53.3	6.62	23.0	49.2	5.89	23.2	46.4	5.43	23.3
	30	114	58.9	6.50	23.4	55.1	6.07	23.8	53.3	5.85	24.0	49.2	5.28	24.5	46.4	4.82	24.8
	30	228	58.9	6.37	26.7	55.1	5.92	26.9	53.3	5.71	27.0	49.2	5.14	27.2	46.4	4.82	27.4
	30	342	58.9	6.14	27.8	55.1	5.69	27.9	53.3	5.71	28.0	49.2	5.14	28.2	46.4	4.61	28.3
	35	114	58.9	5.92	28.3	55.1	5.49	28.8	53.3	5.24	29.0	49.2	4.68	29.4	46.4	4.38	29.7
	35	228	58.9	6.04	31.7	55.1	5.32	31.9	53.3	5.09	32.0	49.2	4.53	32.2	46.4	4.38	32.4
	35	342	58.9	5.54	32.8	55.1	5.43	32.9	53.3	4.84	33.0	49.2	4.53	33.1	46.4	4.38	33.2
	40	114	58.9	5.49	33.3	55.1	5.04	33.7	53.3	4.62	33.9	49.2	4.24	34.3	46.4	3.92	34.7
	40	228	58.9	5.17	36.6	55.1	4.89	36.8	53.3	4.46	36.9	49.2	4.07	37.2	46.4	3.78	37.3
	40	342	58.9	5.17	37.7	55.1	4.89	37.9	53.3	4.46	38.0	49.2	4.07	38.1	46.4	3.92	38.2
	45	114	58.9	5.17	38.2	55.1	4.89	38.7	53.3	4.46	38.9	49.2	4.07	39.3	46.4	3.92	39.7
	45	228	58.9	5.17	41.6	55.1	4.89	41.8	53.3	4.46	41.9	49.2	4.07	42.2	46.4	3.92	42.3
	45	342	58.9	5.17	42.7	55.1	4.89	42.9	53.3	4.46	43.0	49.2	4.07	43.1	46.4	3.92	43.2
60	5	114	50.2	10.38	0.0	47.0	9.80	0.3	45.6	9.25	0.4	41.9	8.50	0.8	38.5	7.62	1.1
	5	228	50.2	10.57	2.5	47.0	9.99	2.7	45.6	9.43	2.7	41.9	8.68	2.9	38.5	7.77	3.1
	5	342	50.2	10.66	3.3	47.0	10.08	3.5	45.6	9.54	3.5	41.9	8.76	3.6	38.5	7.87	3.7
	10	114	50.2	9.13	4.8	47.0	8.68	5.2	45.6	8.35	5.3	41.9	7.66	5.7	38.5	6.92	6.0
	10	228	50.2	9.15	7.4	47.0	8.72	7.6	45.6	8.38	7.7	41.9	7.63	7.8	38.5	6.94	8.0
	10	342	50.2	9.13	8.3	47.0	8.68	8.4	45.6	8.35	8.4	41.9	7.68	8.6	38.5	6.98	8.7
	15	114	50.2	7.88	9.7	47.0	7.58	10.0	45.6	7.44	10.2	42.1	6.83	10.6	39.7	6.22	10.8
	15	228	50.2	7.74	12.3	47.0	7.46	12.5	45.6	7.32	12.6	42.1	6.59	12.8	39.7	6.10	12.9
	15	342	50.2	7.58	13.2	47.0	7.30	13.3	45.6	7.13	13.4	42.1	6.59	13.5	39.7	6.10	13.6
	20	114	50.2	6.67	14.5	47.0	6.47	14.9	45.6	6.35	15.1	42.1	5.85	15.4	39.7	5.50	15.7
	20	228	50.2	6.67	17.3	47.0	6.38	17.4	45.6	6.47	17.5	42.1	5.62	17.7	39.7	5.25	17.8
	20	342	50.2	6.51	18.2	47.0	6.32	18.3	45.6	6.47	18.4	42.1	5.62	18.5	39.7	5.25	18.6
	25	114	50.4	5.82	19.4	47.2	5.51	19.8	45.6	5.47	20.0	42.1	4.88	20.3	39.7	4.52	20.6
	25	228	50.4	5.77	22.2	47.2	5.46	22.4	45.6	5.35	22.5	42.1	4.76	22.7	39.7	4.39	22.8
	25	342	50.4	5.54	23.1	47.2	5.27	23.2	45.6	5.35	23.3	42.1	4.76	23.4	39.7	4.39	23.5
	30	114	50.4	5.26	24.3	47.2	4.91	24.7	45.6	4.72	24.9	42.1	4.26	25.2	39.7	3.89	25.5
	30	228	50.4	5.15	27.2	47.2	4.79	27.3	45.6	4.61	27.4	42.1	4.15	27.6	39.7	3.89	27.8
	30	342	50.4	4.96	28.1	47.2	4.60	28.2	45.6	4.61	28.3	42.1	4.15	28.4	39.7	3.73	28.5
	35	114	50.4	4.79	29.3	47.2	4.44	29.6	45.6	4.24	29.8	42.1	3.78	30.2	39.7	3.54	30.5
	35	228	50.4	4.88	32.1	47.2	4.30	32.3	45.6	4.11	32.4	42.1	3.66	32.6	39.7	3.54	32.7
	35	342	50.4	4.48	33.1	47.2	4.39	33.2	45.6	3.91	33.3	42.1	3.66	33.4	39.7	3.54	33.5
	40	114	50.4	4.44	34.2	47.2	4.07	34.6	45.6	3.73	34.7	42.1	3.43	35.1	39.7	3.17	35.4
	40	228	50.4	4.18	37.1	47.2	3.95	37.3	45.6	3.61	37.4	42.1	3.29	37.6	39.7	3.06	37.7
	40	342	50.4	4.18	38.1	47.2	3.95	38.2	45.6	3.61	38.2	42.1	3.29	38.4	39.7	3.17	38.5
	45	114	50.4	4.18	39.2	47.2	3.95	39.6	45.6	3.61	39.7	42.1	3.29	40.1	39.7	3.17	40.4
	45	228	50.4	4.18	42.1	47.2	3.95	42.3	45.6	3.61	42.4	42.1	3.29	42.6	39.7	3.17	42.7
	45	342	50.4	4.18	43.1	47.2	3.95	43.2	45.6	3.61	43.2	42.1	3.29	43.4	39.7	3.17	43.5
50	5	114	41.7	8.25	0.8	39.1	7.79	1.1	37.9	7.35	1.2	34.8	6.75	1.5	32.0	6.06	1.7
	5	228	41.7	8.40	2.9	39.1	7.94	3.0	37.9	7.50	3.1	34.8	6.90	3.2	32.0	6.18	3.4
	5	342	41.7	8.47	3.6	39.1	8.01	3.7	37.9	7.58	3.7	34.8	6.96	3.8	32.0	6.25	3.9
	10	114	41.7	7.25	5.7	39.1	6.90	6.0	37.9	6.63	6.1	34.8	6.09	6.4	32.0	5.50	6.7
	10	228	41.7	7.28	7.8	39.1	6.93	8.0	37.9	6.66	8.0	34.8	6.07	8.2	32.0	5.51	8.3
	10	342	41.7	7.25	8.6	39.1	6.90	8.7	37.9	6.63	8.7	34.8	6.10	8.8	32.0	5.55	8.9
	15	114	41.7	6.26	10.5	39.1	6.03	10.8	37.9	5.92	11.0	35.0	5.43	11.3	33.0	4.95	11.5
	15	228	41.7	6.15	12.8	39.1	5.93	12.9	37.9	5.82	13.0	35.0	5.24	13.1	33.0	4.85	13.2
	15	342	41.7	6.03	13.5	39.1	5.80	13.6	37.9	5.66	13.6	35.0	5.24	13.8	33.0	4.85	13.8
	20	114	41.7	5.30	15.4	39.1	5.14	15.7	37.9	5.04	15.9	35.0	4.65	16.2	33.0	4.37	16.4
	20	228	41.7	5.30	17.7	39.1	5.07	17.9	37.9	5.14	17.9	35.0	4.47	18.1	33.0	4.17	18.2
	20	342	41.7	5.17	18.5	39.1	5.02	18.6	37.9	5.14	18.6	35.0	4.47	18.7	33.0	4.17	18.8
	25	114	41.9	4.63	20.3	39.2	4.38	20.6	37.9	4.34	20.8	35.0	3.88	21.1	33.0	3.60	21.3
	25	228	41.9	4.58	22.7	39.2	4.34	22.8	37.9	4.25	22.9	35.0	3.78	23.0	33.0	3.49	23.1
	25	342	41.9	4.40	23.4	39.2	4.19	23.5	37.9	4.25	23.6	35.0	3.78	23.7	33.0	3.49	23.8
	30	114	41.9	4.18	25.3	39.2	3.90	25.6	37.9	3.75	25.7	35.0	3.39	26.0	33.0	3.09	26.2
	30	228	41.9	4.09	27.6	39.2	3.80	27.8	37.9	3.67	27.8	35.0	3.30	28.0	33.0	3.09	28.1
	30	342	41.9	3.94	28.4	39.2	3.65	28.5	37.9	3.67	28.6	35.0	3.30	28.7	33.0	2.96	28.7
	35	114	41.9	3.80	30.2	39.2	3.53	30.5	37.9	3.37	30.7	35.0	3.01	31.0	33.0	2.81	31.2
	35	228	41.9	3.88	32.6	39.2	3.42	32.7	37.9	3.27	32.8	35.0	2.91	33.0	33.0	2.81	33.1
	35	342	41.9	3.56	33.4	39.2	3.49	33.5	37.9	3.11	33.5	35.0	2.91	33.7	33.0	2.81	33.7
	40	114	41.9	3.53	35.2	39.2	3.24	35.5	37.9	2.97	35.6	35.0	2.72	35.9	33.0	2.52	36.2
	40	228	41.9	3.32	37.6	39.2	3.14	37.7	37.9	2.87	37.8	35.0	2.61	38.0	33.0	2.43	38.1
	40	342	41.9	3.32	38.4	39.2	3.14	38.5	37.9	2.87	38.5	35.0	2.61	38.6	33.0	2.52	38.7
	45	114	41.9	3.32	40.1	39.2	3.14	40.5	37.9	2.87	40.6	35.0	2.61	40.9	33.0	2.52	41.2
	45	228	41.9	3.32	42.6	39.2	3.14	42.7	37.9	2.87	42.8	35.0	2.61	43.0	33.0	2.52	43.1
	45	342	41.9	3.32	43.4	39.2	3.14	43.5	37.9	2.87	43.5	35.0	2.61	43.6	33.0	2.52	43.7

12. Capacity Table

1-9. AM260FXWANR✶✶✶

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	128	73.3	4.86	18.8	80.6	5.79	19.7	86.6	6.34	20.4	92.9	6.73	21.2	95.4	6.81	21.4
	10	256	73.3	4.51	14.4	80.6	5.35	14.8	86.6	6.05	15.2	92.9	6.35	15.6	95.4	6.35	15.7
	10	384	73.3	4.43	12.9	80.6	5.33	13.2	86.6	5.72	13.4	92.9	6.23	13.7	95.4	6.38	13.8
	15	128	72.0	6.27	23.8	79.3	7.43	24.7	85.3	8.25	25.5	91.4	8.65	26.2	93.9	8.84	26.5
	15	256	72.0	5.85	19.4	79.3	6.88	19.8	85.3	7.68	20.2	91.4	8.08	20.6	93.9	8.27	20.7
	15	384	72.0	5.68	17.9	79.3	6.71	18.2	85.3	7.43	18.5	91.4	7.80	18.7	93.9	8.04	18.8
	20	128	71.0	7.48	28.8	78.2	8.75	29.7	84.2	9.77	30.5	90.1	10.24	31.2	92.6	10.46	31.5
	20	256	71.0	7.33	24.4	78.2	8.62	24.9	84.2	9.63	25.3	90.1	10.12	25.6	92.6	10.31	25.8
	20	384	71.0	7.08	22.9	78.2	8.36	23.2	84.2	9.34	23.5	90.1	9.74	23.7	92.6	10.04	23.8
	25	128	71.0	9.38	34.0	78.2	11.05	35.0	84.2	12.31	35.8	90.1	12.94	36.5	92.6	13.15	36.8
	25	256	71.0	8.77	29.5	78.2	10.31	30.0	84.2	11.47	30.4	90.1	12.09	30.7	92.6	12.28	30.9
	25	384	71.0	8.44	28.0	78.2	9.99	28.3	84.2	11.11	28.6	90.1	11.66	28.8	92.6	11.99	28.9
	30	128	71.0	11.01	39.2	78.2	12.94	40.2	84.2	14.45	41.1	90.1	15.16	41.8	92.6	15.41	42.1
	30	256	71.0	10.83	34.6	78.2	12.74	35.1	84.2	14.18	35.5	90.1	14.93	35.9	92.6	15.23	36.0
	30	384	71.0	10.48	33.0	78.2	12.34	33.4	84.2	13.76	33.7	90.1	14.44	33.9	92.6	14.83	34.0
	35	128	67.1	11.46	43.8	74.1	13.50	44.8	79.6	15.05	45.6	85.5	15.77	46.3	87.5	16.04	46.6
	35	256	67.1	11.24	39.4	74.1	13.27	39.9	79.6	14.79	40.3	85.5	15.54	40.7	87.5	15.87	40.8
	35	384	67.1	10.94	37.9	74.1	12.87	38.2	79.6	14.31	38.5	85.5	15.04	38.8	87.5	15.45	38.8
	40	128	56.1	11.93	47.6	61.8	14.04	48.5	66.6	15.66	49.2	71.3	16.43	49.8	73.3	16.76	50.1
	40	256	56.6	11.73	43.8	62.3	13.83	44.3	67.1	15.38	44.6	71.9	16.18	44.9	73.9	16.53	45.1
	40	384	57.4	11.37	42.6	63.2	13.36	42.9	68.1	14.93	43.1	72.9	15.66	43.3	75.0	16.13	43.4
	45	128	46.8	12.32	51.6	51.4	14.51	52.4	55.2	16.19	53.0	59.2	16.95	53.5	60.8	17.31	53.7
	45	256	47.2	12.12	48.3	51.8	14.27	48.7	55.7	15.88	49.0	59.7	16.75	49.3	61.3	17.08	49.4
	45	384	47.9	11.73	47.2	52.6	13.78	47.5	56.5	15.42	47.7	60.5	16.17	47.9	62.2	16.68	47.9
120	10	128	69.4	4.62	18.3	76.4	5.48	19.2	82.2	6.02	19.9	88.0	6.36	20.6	90.2	6.44	20.8
	10	256	69.4	4.31	14.1	76.4	5.12	14.6	82.2	5.72	14.9	88.0	6.00	15.3	90.2	6.01	15.4
	10	384	69.4	4.11	12.7	76.4	5.04	13.0	82.2	5.40	13.3	88.0	5.90	13.5	90.2	6.09	13.6
	15	128	68.6	6.01	23.4	75.3	7.08	24.2	81.1	7.91	25.0	86.9	8.28	25.7	89.2	8.43	25.9
	15	256	68.6	5.61	19.2	75.3	6.59	19.6	81.1	7.37	20.0	86.9	7.72	20.3	89.2	7.88	20.4
	15	384	68.6	5.41	17.8	75.3	6.42	18.1	81.1	7.09	18.3	86.9	7.46	18.5	89.2	7.69	18.6
	20	128	67.9	7.19	28.4	74.6	8.41	29.3	80.3	9.39	30.0	86.2	9.86	30.8	88.4	10.06	31.0
	20	256	67.9	7.03	24.2	74.6	8.26	24.6	80.3	9.25	25.0	86.2	9.72	25.4	88.4	9.89	25.5
	20	384	67.9	6.83	22.8	74.6	8.05	23.1	80.3	8.97	23.3	86.2	9.37	23.6	88.4	9.64	23.7
	25	128	67.9	9.02	33.6	74.6	10.61	34.5	80.3	11.77	35.3	86.2	12.40	36.0	88.4	12.61	36.3
	25	256	67.9	8.38	29.3	74.6	9.90	29.7	80.3	11.01	30.1	86.2	11.55	30.5	88.4	11.77	30.6
	25	384	67.9	8.08	27.8	74.6	9.54	28.1	80.3	10.65	28.4	86.2	11.17	28.6	88.4	11.45	28.7
	30	128	67.9	10.63	38.8	74.6	12.51	39.7	80.3	13.95	40.6	86.2	14.63	41.3	88.4	14.89	41.6
	30	256	67.9	10.45	34.4	74.6	12.29	34.9	80.3	13.71	35.3	86.2	14.41	35.6	88.4	14.68	35.8
	30	384	67.9	10.11	32.9	74.6	11.91	33.2	80.3	13.29	33.5	86.2	13.97	33.7	88.4	14.30	33.8
	35	128	65.2	11.22	43.6	71.9	13.23	44.5	77.5	14.73	45.3	82.7	15.42	46.0	85.0	15.73	46.3
	35	256	65.2	11.01	39.3	71.9	12.99	39.8	77.5	14.48	40.1	82.7	15.21	40.5	85.0	15.51	40.6
	35	384	65.2	10.68	37.8	71.9	12.61	38.2	77.5	14.00	38.4	82.7	14.71	38.6	85.0	15.11	38.7
	40	128	55.6	11.91	47.6	61.3	14.02	48.4	66.0	15.64	49.1	70.5	16.41	49.7	72.5	16.74	50.0
	40	256	56.1	11.71	43.8	61.8	13.81	44.2	66.6	15.35	44.6	71.1	16.13	44.9	73.1	16.48	45.0
	40	384	56.9	11.35	42.5	62.7	13.38	42.8	67.6	14.91	43.1	72.1	15.66	43.3	74.2	16.06	43.4
	45	128	47.3	12.51	51.7	52.4	14.75	52.5	56.4	16.45	53.2	60.2	17.23	53.7	61.8	17.59	53.9
	45	256	47.7	12.32	48.4	52.8	14.49	48.8	56.9	16.16	49.1	60.7	16.98	49.3	62.3	17.33	49.5
	45	384	48.4	11.90	47.3	53.6	14.06	47.5	57.7	15.67	47.7	61.5	16.47	47.9	63.2	16.83	48.0
110	10	128	65.5	4.34	17.8	72.1	5.17	18.7	77.6	5.70	19.3	83.2	6.02	20.0	85.2	6.09	20.2
	10	256	65.5	4.06	13.9	72.1	4.81	14.3	77.6	5.42	14.6	83.2	5.70	15.0	85.2	5.67	15.1
	10	384	65.5	3.93	12.6	72.1	4.72	12.9	77.6	5.16	13.1	83.2	5.58	13.3	85.2	5.70	13.4
	15	128	65.2	5.76	22.9	71.8	6.81	23.8	77.3	7.59	24.5	82.8	7.95	25.2	85.0	8.11	25.4
	15	256	65.2	5.38	19.0	71.8	6.33	19.4	77.3	7.07	19.7	82.8	7.42	20.1	85.0	7.56	20.2
	15	384	65.2	5.21	17.6	71.8	6.14	17.9	77.3	6.84	18.1	82.8	7.17	18.4	85.0	7.33	18.4
	20	128	65.0	6.96	28.1	71.6	8.16	28.9	77.1	9.11	29.7	82.5	9.55	30.3	84.7	9.74	30.6
	20	256	65.0	6.82	24.0	71.6	8.02	24.5	77.1	8.96	24.8	82.5	9.40	25.1	84.7	9.57	25.3
	20	384	65.0	6.62	22.7	71.6	7.79	23.0	77.1	8.69	23.2	82.5	9.10	23.4	84.7	9.29	23.5
	25	128	65.0	8.69	33.3	71.6	10.21	34.2	77.1	11.37	34.9	82.5	11.93	35.6	84.7	12.15	35.8
	25	256	65.0	8.10	29.1	71.6	9.52	29.5	77.1	10.60	29.9	82.5	11.13	30.2	84.7	11.33	30.4
	25	384	65.0	7.80	27.7	71.6	9.20	28.0	77.1	10.26	28.3	82.5	10.76	28.5	84.7	10.98	28.6
	30	128	65.0	10.37	38.4	71.6	12.20	39.4	77.1	13.60	40.2	82.5	14.27	40.8	84.7	14.53	41.1
	30	256	65.0	10.19	34.2	71.6	11.99	34.7	77.1	13.36	35.1	82.5	14.03	35.4	84.7	14.29	35.5
	30	384	65.0	9.87	32.8	71.6	11.63	33.1	77.1	12.96	33.4	82.5	13.59	33.6	84.7	13.88	33.7
	35	128	64.1	11.16	43.4	70.9	13.15	44.4	76.0	14.66	45.2	81.6	15.35	45.9	83.7	15.65	46.1
	35	256	64.1	10.97	39.2	70.9	12.92	39.7	76.0	14.41	40.1	81.6	15.10	40.4	83.7	15.40	40.5
	35	384	64.1	10.63	37.8	70.9	12.53	38.1	76.0	13.94	38.4	81.6	14.65	38.6	83.7	14.95	38.7
	40	128	56.3	12.22	47.7	62.1	14.39	48.6	66.8	16.03	49.3	71.6	16.81	49.9	73.6	17.14	50.2
	40	256	56.8	12.00	43.9	62.7	14.14	44.3	67.3	15.75	44.7	72.2	16.53	45.0	74.2	16.85	45.1
	40	384	57.6	11.63	42.6	63.6	13.71	42.9	68.3	15.27	43.1	73.2	16.03	43.3	75.2	16.36	43.4
	45	128	49.8	13.17	52.1	54.9	15.50	52.9	59.1	17.27	53.5	63.4	18.11	54.1	65.0	18.47	54.3
	45	256	50.3	12.92	48.5	55.4	15.22	49.0	59.6	16.97	49.3	63.9	17.84	49.6	65.6	18.16	49.7
	45	384	51.0	12.51	47.4	56.2	14.77	47.6	60.4	16.45	47.9	64.8	17.28	48.1	66.5	17.61	48.1

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	128	61.4	4.10	17.3	67.7	4.83	18.1	72.8	5.38	18.8	78.1	5.64	19.4	80.1	5.75	19.6
	10	256	61.4	3.82	13.6	67.7	4.52	14.0	72.8	5.12	14.4	78.1	5.35	14.7	80.1	5.35	14.8
	10	384	61.4	3.69	12.4	67.7	4.43	12.7	72.8	4.84	12.9	78.1	5.24	13.1	80.1	5.32	13.2
	15	128	61.4	5.47	22.5	67.7	6.44	23.3	72.8	7.18	24.0	78.1	7.53	24.6	80.1	7.67	24.8
	15	256	61.4	5.10	18.7	67.7	6.00	19.1	72.8	6.69	19.5	78.1	7.02	19.8	80.1	7.15	19.9
	15	384	61.4	4.93	17.5	67.7	5.80	17.7	72.8	6.46	18.0	78.1	6.78	18.2	80.1	6.91	18.2
	20	128	61.4	6.59	27.6	67.7	7.76	28.5	72.8	8.65	29.1	78.1	9.07	29.8	80.1	9.24	30.0
	20	256	61.4	6.48	23.8	67.7	7.63	24.2	72.8	8.50	24.6	78.1	8.92	24.9	80.1	9.09	25.0
	20	384	61.4	6.28	22.5	67.7	7.40	22.8	72.8	8.24	23.0	78.1	8.64	23.2	80.1	8.81	23.3
	25	128	61.4	8.21	32.8	67.7	9.67	33.7	72.8	10.78	34.4	78.1	11.31	35.0	80.1	11.52	35.3
	25	256	61.4	7.65	28.9	67.7	9.01	29.3	72.8	10.04	29.6	78.1	10.53	30.0	80.1	10.73	30.1
	25	384	61.4	7.40	27.6	67.7	8.71	27.9	72.8	9.71	28.1	78.1	10.18	28.3	80.1	10.37	28.4
	30	128	61.4	9.87	38.0	67.7	11.62	38.9	72.8	12.95	39.6	78.1	13.59	40.3	80.1	13.84	40.5
	30	256	61.4	9.70	34.0	67.7	11.43	34.4	72.8	12.73	34.8	78.1	13.36	35.1	80.1	13.61	35.2
	30	384	61.4	9.40	32.6	67.7	11.07	32.9	72.8	12.34	33.2	78.1	12.94	33.4	80.1	13.19	33.5
	35	128	61.4	10.73	43.1	67.7	12.63	44.0	72.8	14.07	44.7	78.1	14.76	45.4	80.1	15.04	45.7
	35	256	61.4	10.54	39.0	67.7	12.42	39.5	72.8	13.83	39.9	78.1	14.51	40.2	80.1	14.78	40.3
	35	384	61.4	10.22	37.7	67.7	12.03	38.0	72.8	13.41	38.2	78.1	14.07	38.4	80.1	14.33	38.5
	40	128	54.6	11.89	47.4	60.2	13.99	48.3	64.8	15.59	49.0	69.5	16.36	49.6	71.2	16.66	49.8
	40	256	55.0	11.68	43.7	60.8	13.76	44.2	65.3	15.33	44.5	70.0	16.08	44.8	71.8	16.38	44.9
	40	384	55.8	11.32	42.5	61.6	13.33	42.8	66.2	14.85	43.0	71.1	15.58	43.2	72.9	15.88	43.3
	45	128	49.0	12.94	51.9	54.1	15.23	52.8	58.1	16.97	53.4	62.4	17.80	54.0	64.0	18.14	54.2
	45	256	49.4	12.72	48.5	54.5	14.97	48.9	58.6	16.68	49.2	62.9	17.50	49.5	64.5	17.83	49.6
	45	384	50.1	12.32	47.3	55.3	14.51	47.6	59.5	16.17	47.8	63.8	16.96	48.0	65.4	17.28	48.1
90	10	128	55.4	3.51	16.6	61.1	4.13	17.3	65.7	4.60	17.9	70.5	4.83	18.4	72.3	4.92	18.6
	10	256	55.4	3.45	13.3	61.1	4.06	13.6	65.7	4.52	13.9	70.5	4.74	14.2	72.3	4.83	14.3
	10	384	55.4	3.34	12.2	61.1	3.93	12.4	65.7	4.38	12.6	70.5	4.60	12.8	72.3	4.68	12.9
	15	128	55.4	4.68	21.7	61.1	5.51	22.5	65.7	6.14	23.0	70.5	6.44	23.6	72.3	6.56	23.8
	15	256	55.4	4.60	18.4	61.1	5.42	18.7	65.7	6.03	19.0	70.5	6.33	19.3	72.3	6.45	19.4
	15	384	55.4	4.46	17.2	61.1	5.25	17.5	65.7	5.85	17.7	70.5	6.14	17.9	72.3	6.25	17.9
	20	128	55.4	5.64	26.8	61.1	6.64	27.6	65.7	7.40	28.2	70.5	7.76	28.8	72.3	7.91	29.0
	20	256	55.4	5.54	23.4	61.1	6.53	23.8	65.7	7.27	24.1	70.5	7.63	24.4	72.3	7.77	24.5
	20	384	55.4	5.37	22.3	61.1	6.33	22.5	65.7	7.05	22.7	70.5	7.40	22.9	72.3	7.53	23.0
	25	128	55.4	7.03	32.0	61.1	8.27	32.8	65.7	9.22	33.4	70.5	9.67	34.0	72.3	9.85	34.2
	25	256	55.4	6.91	28.5	61.1	8.13	28.9	65.7	9.06	29.2	70.5	9.51	29.5	72.3	9.69	29.6
	25	384	55.4	6.69	27.3	61.1	7.88	27.6	65.7	8.78	27.8	70.5	9.21	28.0	72.3	9.39	28.0
	30	128	55.4	8.44	37.1	61.1	9.94	38.0	65.7	11.08	38.6	70.5	11.62	39.2	72.3	11.84	39.4
	30	256	55.4	8.30	33.6	61.1	9.77	34.0	65.7	10.89	34.3	70.5	11.42	34.6	72.3	11.64	34.7
	30	384	55.4	8.05	32.4	61.1	9.47	32.6	65.7	10.55	32.8	70.5	11.07	33.0	72.3	11.28	33.1
	35	128	55.4	9.18	42.2	61.1	10.81	43.1	65.7	12.04	43.7	70.5	12.63	44.3	72.3	12.87	44.5
	35	256	55.4	9.02	38.6	61.1	10.62	39.0	65.7	11.83	39.3	70.5	12.41	39.6	72.3	12.65	39.8
	35	384	55.4	8.74	37.4	61.1	10.29	37.7	65.7	11.47	37.9	70.5	12.03	38.1	72.3	12.26	38.2
	40	128	49.3	10.17	46.7	54.4	11.97	47.4	58.4	13.34	48.0	62.7	13.99	48.6	64.3	14.26	48.8
	40	256	49.7	9.99	43.3	54.8	11.77	43.7	58.9	13.11	44.0	63.2	13.76	44.3	64.8	14.01	44.4
	40	384	50.4	9.69	42.2	55.6	11.41	42.5	59.8	12.71	42.7	64.1	13.33	42.9	65.8	13.58	43.0
	45	128	44.2	11.07	51.2	48.8	13.03	51.9	52.5	14.52	52.5	56.3	15.23	53.0	57.7	15.52	53.2
	45	256	44.6	10.88	48.1	49.2	12.81	48.5	52.9	14.27	48.8	56.8	14.97	49.0	58.2	15.25	49.1
	45	384	45.2	10.54	47.1	49.9	12.41	47.3	53.7	13.83	47.5	57.6	14.51	47.7	59.0	14.78	47.8
80	10	128	49.1	2.90	15.8	54.1	3.41	16.4	58.2	3.80	16.9	62.4	3.99	17.4	64.0	4.06	17.6
	10	256	49.1	2.85	12.9	54.1	3.35	13.2	58.2	3.74	13.5	62.4	3.92	13.7	64.0	3.99	13.8
	10	384	49.1	2.76	11.9	54.1	3.25	12.1	58.2	3.62	12.3	62.4	3.80	12.5	64.0	3.87	12.5
	15	128	49.1	3.87	20.9	54.1	4.55	21.6	58.2	5.07	22.1	62.4	5.32	22.6	64.0	5.42	22.8
	15	256	49.1	3.80	18.0	54.1	4.48	18.3	58.2	4.99	18.5	62.4	5.23	18.8	64.0	5.33	18.9
	15	384	49.1	3.68	17.0	54.1	4.34	17.2	58.2	4.83	17.4	62.4	5.07	17.5	64.0	5.17	17.6
	20	128	49.1	4.66	26.0	54.1	5.49	26.7	58.2	6.11	27.2	62.4	6.42	27.7	64.0	6.54	27.9
	20	256	49.1	4.58	23.0	54.1	5.40	23.3	58.2	6.01	23.6	62.4	6.31	23.8	64.0	6.42	23.9
	20	384	49.1	4.44	22.0	54.1	5.23	22.2	58.2	5.83	22.4	62.4	6.11	22.6	64.0	6.23	22.6
	25	128	49.1	5.81	31.1	54.1	6.84	31.8	58.2	7.62	32.4	62.4	7.99	32.9	64.0	8.14	33.1
	25	256	49.1	5.71	28.1	54.1	6.72	28.4	58.2	7.49	28.7	62.4	7.86	28.9	64.0	8.00	29.0
	25	384	49.1	5.53	27.0	54.1	6.51	27.3	58.2	7.26	27.4	62.4	7.62	27.6	64.0	7.76	27.7
	30	128	49.1	6.98	36.3	54.1	8.22	37.0	58.2	9.16	37.5	62.4	9.61	38.1	64.0	9.79	38.3
	30	256	49.1	6.86	33.1	54.1	8.08	33.5	58.2	9.00	33.8	62.4	9.44	34.0	64.0	9.62	34.1
	30	384	49.1	6.65	32.1	54.1	7.83	32.3	58.2	8.72	32.5	62.4	9.15	32.7	64.0	9.32	32.7
	35	128	49.1	7.58	41.3	54.1	8.93	42.1	58.2	9.95	42.6	62.4	10.44	43.2	64.0	10.63	43.4
	35	256	49.1	7.45	38.2	54.1	8.78	38.5	58.2	9.78	38.8	62.4	10.26	39.1	64.0	10.45	39.2
	35	384	49.1	7.23	37.1	54.1	8.51	37.3	58.2	9.48	37.5	62.4	9.94	37.7	64.0	10.13	37.8
	40	128	43.6	8.40	45.8	48.2	9.89	46.5	51.8	11.02	47.0	55.5	11.56	47.5	56.9	11.78	47.7
	40	256	44.0	8.26	42.9	48.6	9.73	43.3	52.2	10.84	43.5	56.0	11.37	43.8	57.4	11.58	43.9
	40	384	44.6	8.01	42.0	49.3	9.43	42.2	53.0	10.50	42.4	56.8	11.02	42.5	58.2	11.22	42.6
	45	128	39.2	9.15	50.4	43.2	10.77	51.0	46.5	12.00	51.5	49.9	12.59	52.0	51.1	12.82	52.2
	45	256	39.5	8.99	47.7	43.6	10.59	48.0	46.9	11.79	48.3	50.3	12.37	48.5	51.6	12.61	48.6
	45	384	40.1	8.71	46.8	44.2	10.26	47.0	47.5	11.43	47.2	51.0	11.99	47.4	52.3	12.22	47.4

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	128	43.0	2.44	15.1	47.5	2.88	15.6	51.0	3.21	16.1	54.7	3.36	16.5	56.1	3.43	16.7
	10	256	43.0	2.40	12.5	47.5	2.83	12.8	51.0	3.15	13.0	54.7	3.31	13.2	56.1	3.37	13.3
	10	384	43.0	2.33	11.7	47.5	2.74	11.9	51.0	3.05	12.0	54.7	3.20	12.2	56.1	3.26	12.2
	15	128	43.0	3.26	20.2	47.5	3.84	20.7	51.0	4.28	21.2	54.7	4.49	21.6	56.1	4.57	21.8
	15	256	43.0	3.21	17.6	47.5	3.78	17.9	51.0	4.21	18.1	54.7	4.41	18.3	56.1	4.50	18.4
	15	384	43.0	3.11	16.7	47.5	3.66	16.9	51.0	4.08	17.1	54.7	4.28	17.2	56.1	4.36	17.3
	20	128	43.0	3.93	25.3	47.5	4.63	25.8	51.0	5.16	26.3	54.7	5.41	26.7	56.1	5.51	26.9
	20	256	43.0	3.86	22.6	47.5	4.55	22.9	51.0	5.07	23.1	54.7	5.32	23.4	56.1	5.42	23.4
	20	384	43.0	3.75	21.7	47.5	4.41	21.9	51.0	4.91	22.1	54.7	5.15	22.2	56.1	5.25	22.3
	25	128	43.0	4.90	30.4	47.5	5.77	31.0	51.0	6.43	31.4	54.7	6.74	31.9	56.1	6.87	32.1
	25	256	43.0	4.81	27.7	47.5	5.67	28.0	51.0	6.32	28.2	54.7	6.63	28.4	56.1	6.75	28.5
	25	384	43.0	4.67	26.8	47.5	5.49	27.0	51.0	6.12	27.1	54.7	6.42	27.3	56.1	6.54	27.3
	30	128	43.0	5.89	35.5	47.5	6.93	36.1	51.0	7.72	36.6	54.7	8.10	37.0	56.1	8.25	37.2
	30	256	43.0	5.79	32.7	47.5	6.81	33.0	51.0	7.59	33.3	54.7	7.96	33.5	56.1	8.11	33.6
	30	384	43.0	5.61	31.8	47.5	6.60	32.0	51.0	7.36	32.2	54.7	7.72	32.3	56.1	7.86	32.4
	35	128	43.0	6.40	40.5	47.5	7.53	41.2	51.0	8.39	41.7	54.7	8.80	42.1	56.1	8.97	42.3
	35	256	43.0	6.29	37.8	47.5	7.40	38.1	51.0	8.25	38.3	54.7	8.65	38.5	56.1	8.81	38.6
	35	384	43.0	6.09	36.8	47.5	7.17	37.0	51.0	7.99	37.2	54.7	8.39	37.4	56.1	8.54	37.4
	40	128	38.3	7.09	45.1	42.2	8.34	45.7	45.4	9.30	46.1	48.7	9.75	46.5	49.9	9.94	46.7
	40	256	38.6	6.97	42.5	42.6	8.20	42.8	45.8	9.14	43.1	49.1	9.59	43.3	50.3	9.77	43.4
	40	384	39.1	6.75	41.7	43.2	7.95	41.9	46.4	8.86	42.1	49.8	9.29	42.2	51.1	9.47	42.3
	45	128	34.3	7.71	49.7	37.9	9.08	50.3	40.8	10.12	50.7	43.7	10.62	51.1	44.8	10.81	51.2
	45	256	34.6	7.58	47.4	38.2	8.93	47.6	41.1	9.95	47.9	44.1	10.43	48.1	45.2	10.63	48.1
	45	384	35.1	7.35	46.6	38.8	8.65	46.8	41.7	9.64	46.9	44.7	10.11	47.0	45.9	10.30	47.1
60	10	128	36.7	1.90	14.3	40.5	2.24	14.8	43.6	2.49	15.2	46.7	2.61	15.5	47.9	2.66	15.7
	10	256	36.7	1.87	12.2	40.5	2.20	12.4	43.6	2.45	12.6	46.7	2.57	12.8	47.9	2.62	12.8
	10	384	36.7	1.81	11.4	40.5	2.13	11.6	43.6	2.37	11.7	46.7	2.49	11.8	47.9	2.54	11.9
	15	128	36.7	2.54	19.4	40.5	2.99	19.9	43.6	3.33	20.2	46.7	3.49	20.6	47.9	3.56	20.8
	15	256	36.7	2.49	17.2	40.5	2.94	17.4	43.6	3.27	17.6	46.7	3.43	17.8	47.9	3.49	17.9
	15	384	36.7	2.42	16.5	40.5	2.84	16.6	43.6	3.17	16.7	46.7	3.32	16.9	47.9	3.39	16.9
	20	128	36.7	3.06	24.5	40.5	3.60	24.9	43.6	4.01	25.3	46.7	4.21	25.7	47.9	4.28	25.8
	20	256	36.7	3.00	22.2	40.5	3.54	22.5	43.6	3.94	22.7	46.7	4.13	22.8	47.9	4.21	22.9
	20	384	36.7	2.91	21.5	40.5	3.43	21.6	43.6	3.82	21.8	46.7	4.01	21.9	47.9	4.08	21.9
	25	128	36.7	3.81	29.5	40.5	4.48	30.0	43.6	5.00	30.4	46.7	5.24	30.8	47.9	5.34	31.0
	25	256	36.7	3.74	27.3	40.5	4.41	27.5	43.6	4.91	27.7	46.7	5.15	27.9	47.9	5.25	28.0
	25	384	36.7	3.63	26.5	40.5	4.27	26.7	43.6	4.76	26.8	46.7	4.99	26.9	47.9	5.09	27.0
	30	128	36.7	4.58	34.6	40.5	5.39	35.1	43.6	6.00	35.5	46.7	6.30	35.9	47.9	6.42	36.1
	30	256	36.7	4.50	32.3	40.5	5.30	32.6	43.6	5.90	32.8	46.7	6.19	33.0	47.9	6.31	33.0
	30	384	36.7	4.36	31.5	40.5	5.13	31.7	43.6	5.72	31.8	46.7	6.00	32.0	47.9	6.11	32.0
	35	128	36.7	4.97	39.7	40.5	5.85	40.2	43.6	6.52	40.6	46.7	6.84	41.0	47.9	6.97	41.1
	35	256	36.7	4.89	37.3	40.5	5.76	37.6	43.6	6.41	37.8	46.7	6.73	38.0	47.9	6.85	38.1
	35	384	36.7	4.74	36.5	40.5	5.58	36.7	43.6	6.21	36.9	46.7	6.52	37.0	47.9	6.64	37.0
	40	128	32.6	5.51	44.3	36.0	6.49	44.8	38.7	7.23	45.1	41.6	7.58	45.5	42.6	7.72	45.6
	40	256	32.9	5.42	42.1	36.3	6.38	42.4	39.1	7.10	42.6	41.9	7.45	42.8	43.0	7.59	42.8
	40	384	33.4	5.25	41.4	36.9	6.18	41.6	39.6	6.89	41.7	42.5	7.22	41.9	43.6	7.36	41.9
	45	128	29.3	6.00	49.0	32.4	7.06	49.4	34.8	7.87	49.8	37.3	8.25	50.1	38.3	8.41	50.2
	45	256	29.6	5.89	47.0	32.6	6.94	47.2	35.1	7.73	47.4	37.6	8.11	47.6	38.6	8.26	47.6
	45	384	30.0	5.71	46.3	33.1	6.73	46.5	35.6	7.49	46.6	38.2	7.86	46.7	39.1	8.01	46.8
50	10	128	30.7	1.44	13.6	33.9	1.69	14.0	36.4	1.88	14.3	39.0	1.98	14.6	40.0	2.01	14.7
	10	256	30.7	1.41	11.8	33.9	1.66	12.0	36.4	1.85	12.1	39.0	1.94	12.3	40.0	1.98	12.4
	10	384	30.7	1.37	11.2	33.9	1.61	11.3	36.4	1.79	11.4	39.0	1.88	11.5	40.0	1.92	11.6
	15	128	30.7	1.92	18.7	33.9	2.26	19.0	36.4	2.51	19.4	39.0	2.64	19.7	40.0	2.69	19.8
	15	256	30.7	1.88	16.8	33.9	2.22	17.0	36.4	2.47	17.2	39.0	2.59	17.3	40.0	2.64	17.4
	15	384	30.7	1.83	16.2	33.9	2.15	16.3	36.4	2.40	16.4	39.0	2.51	16.6	40.0	2.56	16.6
	20	128	30.7	2.31	23.7	33.9	2.72	24.1	36.4	3.03	24.4	39.0	3.18	24.7	40.0	3.24	24.8
	20	256	30.7	2.27	21.8	33.9	2.67	22.0	36.4	2.98	22.2	39.0	3.13	22.4	40.0	3.18	22.4
	20	384	30.7	2.20	21.2	33.9	2.59	21.4	36.4	2.89	21.5	39.0	3.03	21.6	40.0	3.09	21.6
	25	128	30.7	2.88	28.8	33.9	3.39	29.2	36.4	3.78	29.5	39.0	3.96	29.8	40.0	4.04	29.9
	25	256	30.7	2.83	26.9	33.9	3.33	27.1	36.4	3.71	27.2	39.0	3.89	27.4	40.0	3.97	27.5
	25	384	30.7	2.74	26.2	33.9	3.23	26.4	36.4	3.60	26.5	39.0	3.77	26.6	40.0	3.84	26.6
	30	128	30.7	3.46	33.8	33.9	4.07	34.2	36.4	4.54	34.6	39.0	4.76	34.9	40.0	4.85	35.0
	30	256	30.7	3.40	31.9	33.9	4.00	32.1	36.4	4.46	32.3	39.0	4.68	32.4	40.0	4.77	32.5
	30	384	30.7	3.30	31.3	33.9	3.88	31.4	36.4	4.32	31.5	39.0	4.53	31.6	40.0	4.62	31.7
	35	128	30.7	3.76	38.9	33.9	4.43	39.3	36.4	4.93	39.6	39.0	5.17	40.0	40.0	5.27	40.1
	35	256	30.7	3.69	36.9	33.9	4.35	37.1	36.4	4.85	37.3	39.0	5.08	37.5	40.0	5.18	37.5
	35	384	30.7	3.58	36.3	33.9	4.22	36.4	36.4	4.70	36.5	39.0	4.93	36.6	40.0	5.02	36.7
	40	128	27.3	4.16	43.5	30.1	4.90	43.9	32.4	5.46	44.2	34.7	5.73	44.5	35.6	5.84	44.6
	40	256	27.5	4.09	41.8	30.4	4.82	42.0	32.6	5.37	42.1	35.0	5.63	42.3	35.9	5.74	42.3
	40	384	27.9	3.97	41.2	30.8	4.67	41.3	33.1	5.20	41.4	35.5	5.46	41.5	36.4	5.56	41.6
	45	128	24.5	4.53	48.3	27.0	5.34	48.6	29.1	5.95	48.9	31.2	6.24	49.2	32.0	6.35	49.3
	45	256	24.7	4.46	46.6	27.3	5.25	46.8	29.3	5.84	47.0	31.4	6.13	47.1	32.2	6.25	47.2
	45	384	25.1	4.32	46.1	27.7	5.08	46.2	29.7	5.66	46.3	31.9	5.94	46.4	32.7	6.05	46.4

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	128	98.6	21.02	-3.7	97.1	20.07	-3.6	94.0	19.56	-3.3	88.3	18.12	-2.9	85.1	16.75	-2.7
	5	256	101.5	20.87	0.5	99.2	20.22	0.6	95.9	19.87	0.7	89.8	18.37	1.0	86.4	16.98	1.1
	5	384	102.3	21.60	2.0	99.9	20.90	2.1	96.4	20.24	2.2	90.5	18.76	2.3	87.3	17.63	2.4
	10	128	99.2	18.81	1.0	97.4	17.96	1.1	94.0	17.64	1.4	88.3	16.34	1.9	85.1	15.19	2.2
	10	256	101.5	18.66	5.4	99.2	18.01	5.5	95.9	17.76	5.6	89.8	16.29	5.9	86.4	15.18	6.0
	10	384	102.3	19.04	6.9	100.2	18.41	6.9	97.0	17.86	7.0	90.5	16.41	7.2	87.3	15.48	7.3
	15	128	99.7	16.83	5.7	97.9	15.95	5.8	96.5	16.04	6.0	89.7	14.55	6.6	85.9	13.68	6.9
	15	256	102.8	16.14	10.1	100.7	15.68	10.2	99.6	15.92	10.3	92.6	14.14	10.6	88.3	13.21	10.8
	15	384	103.6	16.72	11.8	102.3	16.23	11.8	101.5	15.92	11.8	94.1	14.10	12.0	90.3	13.78	12.1
	20	128	103.3	15.47	10.2	101.5	14.62	10.3	100.2	14.51	10.4	93.1	12.99	11.0	88.8	12.90	11.5
	20	256	106.6	14.87	14.9	104.8	14.64	15.0	103.0	14.57	15.1	96.1	13.41	15.4	92.0	12.95	15.6
	20	384	107.4	15.04	16.6	105.9	14.57	16.6	105.1	14.61	16.6	97.3	13.13	16.9	93.0	12.95	17.0
	25	128	108.2	14.79	14.5	105.6	14.20	14.8	104.6	14.14	14.9	97.8	12.86	15.5	93.9	12.30	15.9
	25	256	108.2	14.56	19.8	105.6	14.10	19.9	104.6	13.89	19.9	97.8	12.66	20.2	93.9	12.37	20.4
	25	384	108.2	14.26	21.5	105.6	13.55	21.6	104.6	13.58	21.6	97.8	12.75	21.8	93.9	11.59	21.9
	30	128	108.2	14.37	19.5	105.6	13.53	19.7	104.6	13.56	19.8	97.8	12.09	20.4	93.9	12.21	20.8
	30	256	108.2	13.89	24.7	105.6	13.43	24.8	104.6	13.23	24.9	97.8	12.20	25.2	93.9	11.40	25.4
	30	384	108.2	13.58	26.5	105.6	12.88	26.5	104.6	12.91	26.6	97.8	11.39	26.8	93.9	11.88	26.9
	35	128	108.2	13.69	24.4	105.6	13.09	24.6	104.6	13.03	24.7	97.8	11.66	25.3	93.9	10.91	25.7
	35	256	108.2	13.23	29.7	105.6	12.79	29.8	104.6	12.78	29.9	97.8	11.52	30.2	93.9	10.66	30.3
	35	384	108.2	13.23	31.5	105.6	12.56	31.5	104.6	12.43	31.6	97.8	11.19	31.8	93.9	10.38	31.9
	40	128	108.2	13.23	29.4	105.6	12.64	29.6	104.6	12.56	29.7	97.8	11.22	30.3	93.9	10.75	30.7
	40	256	108.2	12.78	34.7	105.6	12.32	34.8	104.6	12.13	34.8	97.8	10.81	35.1	93.9	10.35	35.3
	40	384	108.2	12.43	36.4	105.6	12.02	36.5	104.6	12.13	36.5	97.8	10.81	36.8	93.9	10.35	36.9
	45	128	108.2	12.78	34.3	105.6	12.22	34.5	104.6	12.13	34.6	97.8	10.70	35.2	93.9	10.64	35.7
	45	256	108.2	12.35	39.6	105.6	11.90	39.8	104.6	11.45	39.8	97.8	10.01	40.1	93.9	10.02	40.3
	45	384	108.2	11.65	41.4	105.6	11.45	41.5	104.6	11.80	41.5	97.8	10.31	41.7	93.9	10.36	41.9
120	5	128	93.9	20.86	-3.2	92.4	19.99	-3.1	89.4	19.42	-2.8	84.2	17.86	-2.4	80.6	16.50	-2.2
	5	256	96.3	21.15	0.8	94.2	20.39	0.9	90.5	19.87	1.0	85.1	18.23	1.3	81.5	16.70	1.4
	5	384	97.1	21.35	2.2	93.4	20.61	2.3	91.0	20.24	2.4	85.6	18.60	2.5	82.0	17.06	2.6
	10	128	94.5	18.66	1.5	92.7	17.89	1.6	89.4	17.51	2.0	84.2	16.10	2.4	80.6	14.96	2.7
	10	256	96.3	18.91	5.7	94.2	18.16	5.7	90.5	17.76	5.9	85.1	16.18	6.1	81.5	14.92	6.3
	10	384	97.1	18.81	7.1	93.7	18.16	7.2	91.5	17.86	7.3	85.6	16.27	7.4	82.0	14.98	7.5
	15	128	95.0	16.52	6.2	93.0	15.80	6.4	91.8	15.79	6.5	85.4	14.34	7.0	81.3	13.45	7.4
	15	256	97.1	16.67	10.5	95.3	15.95	10.6	93.8	15.92	10.6	87.4	14.14	10.9	83.0	13.02	11.1
	15	384	97.8	16.29	12.0	95.3	15.73	12.0	94.9	15.92	12.1	88.4	14.10	12.2	83.9	13.02	12.4
	20	128	97.6	14.84	10.7	95.8	14.04	10.8	94.1	13.88	11.0	87.7	12.57	11.6	83.2	12.52	12.1
	20	256	100.1	14.67	15.2	98.1	14.34	15.3	95.9	14.24	15.4	89.7	12.96	15.7	85.4	12.21	15.9
	20	384	100.7	14.63	16.8	97.8	14.09	16.9	97.5	14.13	16.9	90.6	12.69	17.1	86.1	12.28	17.2
	25	128	101.7	13.98	15.2	98.6	13.15	15.4	97.0	13.10	15.6	90.6	11.83	16.2	86.9	11.28	16.5
	25	256	101.9	13.78	20.1	98.6	13.08	20.2	97.0	13.03	20.3	90.6	11.61	20.6	86.9	11.34	20.8
	25	384	102.5	13.00	21.7	98.6	12.56	21.8	97.0	12.67	21.9	90.6	12.00	22.1	86.9	10.61	22.2
	30	128	102.2	13.30	20.0	98.6	12.51	20.4	97.0	12.35	20.5	90.6	10.85	21.1	86.9	10.93	21.5
	30	256	102.2	12.88	25.0	98.6	12.21	25.2	97.0	12.12	25.2	90.6	10.93	25.5	86.9	10.19	25.7
	30	384	102.2	12.25	26.6	98.6	11.79	26.8	97.0	11.77	26.8	90.6	10.49	27.0	86.9	10.62	27.2
	35	128	102.2	12.65	25.0	98.6	11.84	25.3	97.0	11.67	25.4	90.6	10.41	26.0	86.9	9.68	26.4
	35	256	102.2	11.92	29.9	98.6	11.39	30.1	97.0	11.22	30.2	90.6	10.04	30.5	86.9	9.27	30.7
	35	384	102.2	11.72	31.6	98.6	11.27	31.7	97.0	11.22	31.8	90.6	10.04	32.0	86.9	9.27	32.1
	40	128	102.2	12.20	29.9	98.6	11.27	30.2	97.0	10.99	30.4	90.6	9.74	30.9	86.9	9.31	31.3
	40	256	102.2	11.26	34.9	98.6	10.75	35.1	97.0	10.54	35.2	90.6	9.36	35.4	86.9	8.90	35.6
	40	384	102.2	11.04	36.6	98.6	10.53	36.7	97.0	10.54	36.8	90.6	9.36	37.0	86.9	8.90	37.1
	45	128	102.2	11.77	34.9	98.6	10.70	35.2	97.0	10.34	35.3	90.6	9.03	35.9	86.9	8.94	36.3
	45	256	102.2	10.58	39.9	98.6	10.08	40.0	97.0	9.86	40.1	90.6	8.58	40.4	86.9	8.54	40.6
	45	384	102.2	10.38	41.6	98.6	9.81	41.7	97.0	9.86	41.7	90.6	8.58	41.9	86.9	8.54	42.1
110	5	128	89.9	21.08	-2.7	87.9	20.07	-2.6	84.6	19.47	-2.3	80.0	17.86	-2.0	75.9	16.50	-1.7
	5	256	91.7	21.23	1.1	88.9	20.39	1.2	85.5	19.87	1.3	80.5	18.23	1.5	76.4	16.70	1.7
	5	384	92.5	21.55	2.4	89.4	20.61	2.4	85.7	20.07	2.5	80.5	18.41	2.7	76.6	17.06	2.8
	10	128	90.4	18.86	2.0	88.2	17.96	2.1	84.7	17.56	2.5	80.0	16.10	2.8	75.9	14.96	3.2
	10	256	91.7	18.99	5.9	88.9	18.16	6.0	85.5	17.76	6.2	80.5	16.18	6.4	76.4	14.92	6.6
	10	384	92.5	18.99	7.3	89.7	18.16	7.3	86.3	17.71	7.4	80.5	16.10	7.6	76.6	14.98	7.7
	15	128	90.7	16.62	6.7	88.4	15.95	6.9	86.9	15.92	7.1	81.2	14.34	7.5	76.6	13.45	7.9
	15	256	92.2	16.52	10.8	89.7	15.95	10.9	87.9	15.92	11.0	82.0	14.14	11.2	77.5	13.02	11.4
	15	384	93.0	16.37	12.1	90.2	15.73	12.2	88.7	15.59	12.3	82.5	13.79	12.4	77.8	13.02	12.6
	20	128	92.5	14.41	11.3	90.0	13.82	11.5	88.2	13.68	11.7	82.0	12.37	12.2	77.5	12.12	12.7
	20	256	94.5	14.35	15.5	91.0	13.89	15.7	88.9	13.75	15.8	83.2	12.56	16.0	78.5	11.64	16.3
	20	384	95.3	14.51	17.0	92.3	13.82	17.1	90.0	13.68	17.2	83.7	11.98	17.3	79.2	11.64	17.5
	25	128	95.0	13.05	15.8	92.0	12.36	16.1	89.8	12.34	16.3	83.7	10.99	16.9	79.5	10.28	17.3
	25	256	95.8	12.97	20.4	92.0	12.16	20.5	89.8	12.12	20.7	83.7	10.79	20.9	79.5	10.30	21.1
	25	384	96.6	12.97	21.9	92.0	12.23	22.0	89.8	11.76	22.1	83.7	11.16	22.3	79.5	9.62	22.4
	30	128	96.3	11.86	20.5	92.0	11.27	21.0	89.8	10.99	21.2	83.7	9.83	21.7	79.5	9.46	22.2
	30	256	96.3	11.66	25.3	92.0	11.04	25.5	89.8	10.76	25.6	83.7	9.86	25.9	79.5	8.95	26.1
	30	384	96.3	11.54	26.8	92.0	10.72	27.0	89.8	10.41	27.0	83.7	9.19	27.2	79.5	9.33	27.4
	35	128	96.3	11.21	25.5	92.0	10.37	25.9	89.8	10.10	26.1	83.7	8.96	26.6	79.5	8.27	27.0
	35	256	96.3	10.76	30.2	92.0	10.18	30.4	89.8	9.85	30.5	83.7	8.79	30.8	79.5	8.05	31.0
	35	384	96.3	10.35	31.8	92.0	9.83	31.9	89.8	9.55	32.0	83.7	8.79	32.2	79.5	8.05	32.3
	40	128	96.3	10.53	30.4	92.0	9.95	30.8	89.8	9.43	31.0	83.7	8.30	31.6	79.5	7.84	32.0
	40	256	96.3	10.10	35.2	92.0	9.51	35.4	89.8	8.97	35.5	83.7	8.10	35.8	79.5	7.67	36.0
	40	384	96.3	9.88	36.8	92.0	9.16	36.9	89.8	8.97	37.0	83.7	7.77	37.2	79.5	7.34	37.3
	45	128	96.3	9.85	35.3	92.0	9.51	35.8	89.8	8.75	35.9	83.7	7.62	36.5	79.5	7.43	36.9
	45	256	96.3	9.42	40.1	92.0	8.84	40.3	89.8	8.06	40.4	83.7	7.34	40.7	79.5	7.26	41.0
	45	384	96.3	9.42	41.8	92.0	8.49	41.9	89.8	8.42	42.0	83.7	6.74	42.1	79.5	6.59	42.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	128	85.8	21.14	-2.2	82.7	20.33	-2.0	79.8	19.53	-1.7	75.3	17.92	-1.4	71.1	16.30	-1.1
	5	256	87.1	21.52	1.3	83.5	20.68	1.5	80.1	19.93	1.6	75.3	18.29	1.8	71.1	16.62	2.0
	5	384	87.8	21.73	2.5	83.7	20.90	2.7	79.8	20.13	2.8	75.3	18.46	2.9	71.1	16.77	3.0
	10	128	86.3	18.92	2.5	83.0	18.19	2.7	79.8	17.62	3.0	75.3	16.15	3.4	71.1	14.78	3.7
	10	256	87.1	19.25	6.2	83.5	18.41	6.4	80.1	17.82	6.5	75.3	16.22	6.7	71.1	14.86	6.9
	10	384	87.8	19.15	7.4	84.0	18.41	7.6	80.3	17.77	7.7	75.3	16.15	7.8	71.1	14.73	7.9
	15	128	86.6	16.67	7.2	83.5	16.07	7.5	81.9	15.97	7.6	76.4	14.38	8.1	71.7	13.29	8.5
	15	256	87.1	17.00	11.1	83.5	16.12	11.2	81.9	15.97	11.3	76.4	14.18	11.5	71.7	13.06	11.7
	15	384	88.1	16.57	12.3	84.3	15.93	12.4	81.9	15.64	12.5	76.4	13.84	12.7	71.7	12.74	12.8
	20	128	87.3	14.25	11.8	83.7	13.64	12.1	81.9	13.49	12.3	76.4	12.19	12.8	71.7	11.52	13.3
	20	256	88.6	14.37	15.8	84.0	13.76	16.1	81.9	13.49	16.2	76.4	12.19	16.4	71.7	11.07	16.6
	20	384	89.4	14.12	17.2	85.3	13.51	17.3	81.9	13.14	17.4	76.4	11.62	17.6	71.7	10.75	17.7
	25	128	88.4	12.43	16.5	85.0	11.77	16.8	81.9	11.47	17.1	76.4	10.20	17.6	71.7	9.31	18.0
	25	256	89.6	12.45	20.7	85.0	11.52	20.9	81.9	11.24	21.0	76.4	9.98	21.3	71.7	9.31	21.5
	25	384	90.4	12.05	22.1	85.0	11.40	22.3	81.9	10.91	22.4	76.4	9.98	22.5	71.7	8.96	22.7
	30	128	90.1	11.24	21.2	85.0	10.20	21.6	81.9	9.68	21.9	76.4	8.63	22.4	71.7	8.21	22.9
	30	256	90.1	11.01	25.6	85.0	9.98	25.8	81.9	9.57	26.0	76.4	8.63	26.2	71.7	7.96	26.4
	30	384	90.1	10.69	27.0	85.0	9.98	27.2	81.9	9.37	27.3	76.4	8.29	27.5	71.7	7.96	27.6
	35	128	90.1	10.36	26.1	85.0	9.31	26.5	81.9	8.54	26.8	76.4	7.74	27.3	71.7	7.07	27.8
	35	256	90.1	9.88	30.5	85.0	8.86	30.7	81.9	8.44	30.9	76.4	7.54	31.1	71.7	6.87	31.4
	35	384	90.1	9.88	32.0	85.0	8.86	32.2	81.9	8.26	32.3	76.4	7.54	32.4	71.7	6.87	32.6
	40	128	90.1	9.68	31.0	85.0	8.63	31.4	81.9	7.65	31.7	76.4	6.87	32.2	71.7	6.42	32.7
	40	256	90.1	9.22	35.5	85.0	8.21	35.7	81.9	7.55	35.8	76.4	6.64	36.1	71.7	6.22	36.3
	40	384	90.1	8.89	37.0	85.0	8.21	37.1	81.9	7.35	37.2	76.4	6.64	37.4	71.7	6.22	37.6
	45	128	90.1	8.99	35.9	85.0	7.96	36.4	81.9	6.75	36.6	76.4	5.97	37.1	71.7	5.75	37.6
	45	256	90.1	8.54	40.4	85.0	7.54	40.7	81.9	6.64	40.8	76.4	5.75	41.0	71.7	5.55	41.3
	45	384	90.1	7.88	41.9	85.0	7.54	42.1	81.9	6.44	42.2	76.4	5.75	42.4	71.7	5.55	42.5
90	5	128	76.7	18.78	-1.5	74.2	17.74	-1.3	71.9	16.75	-1.2	66.0	15.38	-0.7	60.6	13.79	-0.2
	5	256	77.2	19.12	1.7	73.9	18.08	1.9	71.9	17.07	1.9	66.0	15.70	2.2	60.6	14.07	2.4
	5	384	77.7	19.29	2.8	74.4	18.25	2.9	71.9	17.27	3.0	66.0	15.85	3.1	60.6	14.24	3.3
	10	128	77.2	16.52	3.2	74.4	15.72	3.4	71.9	15.11	3.6	66.0	13.87	4.2	60.6	12.53	4.6
	10	256	77.0	16.57	6.6	74.2	15.79	6.7	71.9	15.16	6.8	66.0	13.82	7.1	60.6	12.55	7.3
	10	384	77.7	16.52	7.7	74.4	15.72	7.8	71.9	15.11	7.9	66.0	13.89	8.1	60.6	12.63	8.2
	15	128	77.5	14.26	7.9	74.7	13.72	8.2	71.9	13.47	8.5	67.3	12.36	8.8	64.0	11.26	9.1
	15	256	77.0	14.01	11.5	74.2	13.50	11.6	71.9	13.25	11.7	67.3	11.93	11.9	64.0	11.04	12.0
	15	384	77.7	13.72	12.6	74.4	13.21	12.7	71.9	12.90	12.8	67.3	11.93	12.9	64.0	11.04	13.0
	20	128	78.0	12.07	12.6	75.0	11.70	12.9	71.9	11.49	13.2	67.3	10.59	13.6	64.0	9.95	13.9
	20	256	77.7	12.07	16.3	74.4	11.56	16.5	73.3	11.49	16.5	67.3	10.17	16.8	64.0	9.50	16.9
	20	384	78.0	11.78	17.5	74.7	11.44	17.6	73.3	11.49	17.7	67.3	10.17	17.9	64.0	9.50	18.0
	25	128	79.5	10.53	17.3	76.0	9.98	17.6	73.3	9.89	17.9	67.3	8.83	18.4	64.0	8.19	18.7
	25	256	80.3	10.44	21.1	76.0	9.88	21.3	73.3	9.69	21.4	67.3	8.61	21.7	64.0	7.94	21.9
	25	384	80.8	10.02	22.4	76.0	9.54	22.5	73.3	9.69	22.6	67.3	8.61	22.8	64.0	7.94	22.9
	30	128	80.5	9.51	22.0	76.0	8.88	22.5	73.3	8.55	22.7	67.3	7.72	23.3	64.0	7.05	23.6
	30	256	80.5	9.32	26.0	76.0	8.66	26.2	73.3	8.35	26.4	67.3	7.52	26.7	64.0	7.05	26.8
	30	384	80.5	8.98	27.3	76.0	8.32	27.5	73.3	8.35	27.6	67.3	7.52	27.8	64.0	6.75	27.9
	35	128	80.5	8.66	27.0	76.0	8.03	27.4	73.3	7.67	27.6	67.3	6.85	28.2	64.0	6.40	28.5
	35	256	80.5	8.83	31.0	76.0	7.79	31.2	73.3	7.44	31.3	67.3	6.62	31.6	64.0	6.40	31.8
	35	384	80.5	8.10	32.3	76.0	7.94	32.5	73.3	7.08	32.5	67.3	6.62	32.7	64.0	6.40	32.8
	40	128	80.5	8.03	31.9	76.0	7.37	32.3	73.3	6.75	32.5	67.3	6.20	33.2	64.0	5.73	33.5
	40	256	80.5	7.57	35.9	76.0	7.15	36.1	73.3	6.53	36.3	67.3	5.95	36.6	64.0	5.53	36.7
	40	384	80.5	7.57	37.3	76.0	7.15	37.4	73.3	6.53	37.5	67.3	5.95	37.7	64.0	5.73	37.8
	45	128	80.5	7.37	36.8	76.0	6.72	37.2	73.3	5.84	37.4	67.3	5.53	38.1	64.0	5.06	38.4
	45	256	80.5	6.72	40.9	76.0	6.50	41.1	73.3	5.64	41.2	67.3	5.31	41.5	64.0	4.86	41.7
	45	384	80.5	7.72	42.3	76.0	6.84	42.4	73.3	5.95	42.5	67.3	5.31	42.7	64.0	4.86	42.8
80	5	128	73.5	15.58	-1.5	68.8	14.71	-1.1	66.1	13.96	-0.8	61.4	12.76	-0.4	56.3	11.44	0.0
	5	256	73.5	15.86	1.8	68.8	14.99	2.0	66.2	14.23	2.1	61.4	13.02	2.3	56.3	11.67	2.5
	5	384	73.5	16.00	2.9	68.8	15.13	3.0	66.2	14.39	3.1	61.4	13.15	3.2	56.3	11.81	3.3
	10	128	73.5	13.70	3.3	68.8	13.03	3.8	66.2	12.59	4.0	61.4	11.50	4.4	56.3	10.39	4.9
	10	256	73.5	13.74	6.7	68.8	13.09	6.9	66.2	12.67	7.0	61.4	11.46	7.2	56.3	10.41	7.4
	10	384	73.5	13.70	7.8	68.8	13.03	7.9	66.3	12.63	8.0	61.4	11.52	8.1	56.3	10.47	8.3
	15	128	73.5	11.82	8.1	68.8	11.38	8.6	66.8	11.30	8.8	61.7	10.25	9.2	58.1	9.34	9.5
	15	256	73.5	11.62	11.5	68.8	11.20	11.8	66.8	11.18	11.9	61.7	9.90	12.1	58.1	9.16	12.3
	15	384	73.5	11.38	12.7	68.8	10.96	12.8	66.8	10.92	12.9	61.7	9.90	13.1	58.1	9.16	13.2
	20	128	73.5	10.01	12.9	68.8	9.70	13.4	66.8	9.60	13.6	61.7	8.79	14.1	58.1	8.25	14.4
	20	256	73.5	10.01	16.4	68.8	9.58	16.7	66.8	9.71	16.8	61.7	8.44	17.0	58.1	7.88	17.2
	20	384	73.5	9.77	17.6	68.8	9.48	17.8	66.8	9.61	17.9	61.7	8.44	18.0	58.1	7.88	18.1
	25	128	73.9	8.74	17.7	69.2	8.27	18.2	66.8	8.22	18.4	61.7	7.32	18.9	58.1	6.79	19.3
	25	256	73.9	8.66	21.3	69.2	8.19	21.6	66.8	8.06	21.7	61.7	7.14	21.9	58.1	6.58	22.1
	25	384	73.9	8.31	22.6	69.2	7.91	22.7	66.8	7.97	22.8	61.7	7.14	23.0	58.1	6.58	23.1
	30	128	73.9	7.89	22.6	69.2	7.36	23.1	66.8	7.04	23.3	61.7	6.40	23.8	58.1	5.84	24.1
	30	256	73.9	7.73	26.3	69.2	7.18	26.5	66.8	6.91	26.6	61.7	6.23	26.9	58.1	5.84	27.1
	30	384	73.9	7.45	27.5	69.2	6.90	27.7	66.8	6.86	27.8	61.7	6.23	27.9	58.1	5.60	28.0
	35	128	73.9	7.18	27.5	69.2	6.66	28.0	66.8	6.28	28.2	61.7	5.68	28.7	58.1	5.31	29.1
	35	256	73.9	7.32	31.3	69.2	6.46	31.5	66.8	6.13	31.6	61.7	5.49	31.9	58.1	5.31	32.0
	35	384	73.9	6.72	32.5	69.2	6.58	32.7	66.8	5.90	32.7	61.7	5.49	32.9	58.1	5.31	33.0
	40	128	73.9	6.66	32.5	69.2	6.11	32.9	66.8	5.57	33.1	61.7	5.14	33.7	58.1	4.75	34.0
	40	256	73.9	6.27	36.2	69.2	5.93	36.5	66.8	5.42	36.6	61.7	4.94	36.8	58.1	4.59	37.0
	40	384	73.9	6.27	37.5	69.2	5.93	37.6	66.8	5.37	37.7	61.7	4.94	37.9	58.1	4.75	38.0
	45	128	73.9	6.27	37.4	69.2	5.93	37.9	66.8	5.20	38.1	61.7	4.94	38.6	58.1	4.75	39.0
	45	256	73.9	6.27	41.2	69.2	5.93	41.5	66.8	5.17	41.5	61.7	4.94	41.8	58.1	4.75	42.0
	45	384	73.9	6.27	42.5	69.2	5.93	42.6	66.8	5.11	42.7	61.7	4.94	42.9	58.1	4.75	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	128	63.5	13.06	-0.6	59.5	12.33	-0.3	57.7	11.65	-0.2	53.0	10.70	0.3	48.7	9.59	0.6
	5	256	63.5	13.30	2.2	59.5	12.57	2.4	57.7	11.87	2.4	53.0	10.92	2.6	48.7	9.78	2.8
	5	384	63.5	13.42	3.1	59.5	12.69	3.3	57.7	12.01	3.3	53.0	11.03	3.4	48.7	9.90	3.6
	10	128	63.5	11.49	4.2	59.5	10.93	4.6	57.7	10.51	4.7	53.0	9.65	5.1	48.7	8.71	5.5
	10	256	63.5	11.52	7.1	59.5	10.98	7.3	57.7	10.54	7.4	53.0	9.61	7.6	48.7	8.73	7.8
	10	384	63.5	11.49	8.1	59.5	10.93	8.2	57.7	10.51	8.2	53.0	9.66	8.4	48.7	8.78	8.5
	15	128	63.5	9.92	9.0	59.5	9.54	9.4	57.7	9.37	9.6	53.3	8.59	10.0	50.2	7.83	10.3
	15	256	63.5	9.75	12.0	59.5	9.39	12.2	57.7	9.21	12.3	53.3	8.30	12.5	50.2	7.68	12.6
	15	384	63.5	9.54	13.0	59.5	9.19	13.1	57.7	8.97	13.2	53.3	8.30	13.3	50.2	7.68	13.4
	20	128	63.5	8.39	13.8	59.5	8.14	14.3	57.7	7.99	14.4	53.3	7.37	14.9	50.2	6.92	15.2
	20	256	63.5	8.39	16.9	59.5	8.04	17.1	57.7	8.15	17.2	53.3	7.07	17.4	50.2	6.61	17.6
	20	384	63.5	8.19	17.9	59.5	7.95	18.1	57.7	8.15	18.1	53.3	7.07	18.3	50.2	6.61	18.4
	25	128	63.8	7.33	18.7	59.7	6.94	19.1	57.7	6.88	19.3	53.3	6.14	19.7	50.2	5.69	20.0
	25	256	63.8	7.26	21.8	59.7	6.87	22.0	57.7	6.74	22.1	53.3	5.99	22.4	50.2	5.52	22.5
	25	384	63.8	6.97	22.9	59.7	6.63	23.0	57.7	6.74	23.1	53.3	5.99	23.2	50.2	5.52	23.3
	30	128	63.8	6.62	23.6	59.7	6.18	24.0	57.7	5.95	24.2	53.3	5.37	24.6	50.2	4.90	24.9
	30	256	63.8	6.48	26.8	59.7	6.02	27.0	57.7	5.81	27.1	53.3	5.23	27.3	50.2	4.90	27.5
	30	384	63.8	6.24	27.9	59.7	5.79	28.0	57.7	5.81	28.1	53.3	5.23	28.2	50.2	4.69	28.3
	35	128	63.8	6.02	28.5	59.7	5.58	28.9	57.7	5.33	29.1	53.3	4.76	29.6	50.2	4.45	29.9
	35	256	63.8	6.14	31.8	59.7	5.41	32.0	57.7	5.17	32.1	53.3	4.61	32.3	50.2	4.45	32.4
	35	384	63.8	5.63	32.8	59.7	5.52	33.0	57.7	4.93	33.0	53.3	4.61	33.2	50.2	4.45	33.3
	40	128	63.8	5.58	33.5	59.7	5.13	33.9	57.7	4.70	34.1	53.3	4.31	34.5	50.2	3.99	34.8
	40	256	63.8	5.26	36.7	59.7	4.97	36.9	57.7	4.54	37.0	53.3	4.14	37.2	50.2	3.85	37.4
	40	384	63.8	5.26	37.8	59.7	4.97	38.0	57.7	4.54	38.0	53.3	4.14	38.2	50.2	3.99	38.3
	45	128	63.8	5.26	38.4	59.7	4.97	38.9	57.7	4.54	39.0	53.3	4.14	39.5	50.2	3.99	39.8
	45	256	63.8	5.26	41.7	59.7	4.97	41.9	57.7	4.54	42.0	53.3	4.14	42.2	50.2	3.99	42.4
	45	384	63.8	5.26	42.8	59.7	4.97	43.0	57.7	4.54	43.0	53.3	4.14	43.2	50.2	3.99	43.3
60	5	128	54.3	10.45	0.1	50.9	9.87	0.4	49.4	9.32	0.5	45.4	8.56	0.9	41.7	7.68	1.2
	5	256	54.3	10.64	2.6	50.9	10.06	2.7	49.4	9.50	2.8	45.4	8.74	2.9	41.7	7.83	3.1
	5	384	54.3	10.74	3.4	50.9	10.15	3.5	49.4	9.61	3.5	45.4	8.82	3.6	41.7	7.92	3.7
	10	128	54.3	9.19	4.9	50.9	8.75	5.3	49.4	8.41	5.4	45.4	7.72	5.8	41.7	6.97	6.1
	10	256	54.3	9.22	7.5	50.9	8.79	7.6	49.4	8.44	7.7	45.4	7.69	7.9	41.7	6.99	8.1
	10	384	54.3	9.19	8.3	50.9	8.75	8.4	49.4	8.41	8.5	45.4	7.73	8.6	41.7	7.03	8.7
	15	128	54.3	7.93	9.8	50.9	7.64	10.2	49.4	7.50	10.3	45.6	6.88	10.7	43.0	6.27	10.9
	15	256	54.3	7.80	12.4	50.9	7.51	12.6	49.4	7.37	12.6	45.6	6.64	12.8	43.0	6.14	12.9
	15	384	54.3	7.64	13.3	50.9	7.35	13.4	49.4	7.18	13.4	45.6	6.64	13.5	43.0	6.14	13.6
	20	128	54.3	6.72	14.7	50.9	6.51	15.0	49.4	6.39	15.2	45.6	5.90	15.6	43.0	5.54	15.8
	20	256	54.3	6.72	17.3	50.9	6.43	17.5	49.4	6.52	17.6	45.6	5.66	17.8	43.0	5.29	17.9
	20	384	54.3	6.55	18.2	50.9	6.36	18.3	49.4	6.52	18.4	45.6	5.66	18.5	43.0	5.29	18.6
	25	128	54.6	5.86	19.5	51.1	5.55	19.9	49.4	5.50	20.1	45.6	4.91	20.4	43.0	4.56	20.7
	25	256	54.6	5.81	22.3	51.1	5.50	22.4	49.4	5.39	22.5	45.6	4.79	22.7	43.0	4.42	22.8
	25	384	54.6	5.58	23.2	51.1	5.31	23.3	49.4	5.39	23.4	45.6	4.79	23.5	43.0	4.42	23.6
	30	128	54.6	5.29	24.5	51.1	4.94	24.8	49.4	4.76	25.0	45.6	4.29	25.4	43.0	3.92	25.6
	30	256	54.6	5.19	27.2	51.1	4.82	27.4	49.4	4.65	27.5	45.6	4.18	27.7	43.0	3.92	27.8
	30	384	54.6	5.00	28.1	51.1	4.63	28.3	49.4	4.65	28.3	45.6	4.18	28.5	43.0	3.76	28.5
	35	128	54.6	4.82	29.4	51.1	4.47	29.8	49.4	4.27	29.9	45.6	3.81	30.3	43.0	3.56	30.6
	35	256	54.6	4.91	32.2	51.1	4.33	32.4	49.4	4.14	32.5	45.6	3.69	32.7	43.0	3.56	32.8
	35	384	54.6	4.51	33.1	51.1	4.42	33.3	49.4	3.94	33.3	45.6	3.69	33.4	43.0	3.56	33.5
	40	128	54.6	4.47	34.4	51.1	4.10	34.7	49.4	3.76	34.9	45.6	3.45	35.3	43.0	3.19	35.5
	40	256	54.6	4.21	37.2	51.1	3.98	37.4	49.4	3.63	37.4	45.6	3.31	37.6	43.0	3.08	37.8
	40	384	54.6	4.21	38.1	51.1	3.98	38.2	49.4	3.63	38.3	45.6	3.31	38.4	43.0	3.19	38.5
	45	128	54.6	4.21	39.4	51.1	3.98	39.7	49.4	3.63	39.9	45.6	3.31	40.3	43.0	3.19	40.5
	45	256	54.6	4.21	42.2	51.1	3.98	42.4	49.4	3.63	42.4	45.6	3.31	42.6	43.0	3.19	42.8
	45	384	54.6	4.21	43.1	51.1	3.98	43.2	49.4	3.63	43.3	45.6	3.31	43.4	43.0	3.19	43.5
50	5	128	45.2	8.26	0.9	42.0	7.79	1.2	40.7	7.41	1.3	37.7	6.80	1.5	35.0	6.13	1.8
	5	256	45.2	8.41	2.9	42.1	7.93	3.1	40.7	7.55	3.1	37.7	6.94	3.3	35.0	6.25	3.4
	5	384	45.2	8.49	3.6	42.2	8.01	3.7	40.7	7.63	3.8	37.7	7.01	3.9	35.0	6.32	3.9
	10	128	45.2	7.27	5.8	42.0	6.93	6.1	40.7	6.68	6.2	37.7	6.13	6.5	35.0	5.56	6.7
	10	256	45.2	7.29	7.9	42.1	6.98	8.0	40.7	6.72	8.1	37.7	6.13	8.2	35.0	5.58	8.4
	10	384	45.2	7.27	8.6	42.2	6.96	8.7	40.8	6.70	8.7	37.7	6.14	8.8	35.0	5.58	8.9
	15	128	45.2	6.27	10.6	42.1	6.08	11.0	41.1	5.99	11.1	38.1	5.46	11.3	35.8	5.00	11.5
	15	256	45.2	6.17	12.8	42.1	6.03	13.0	41.1	5.93	13.0	38.1	5.32	13.2	35.8	4.91	13.3
	15	384	45.2	6.04	13.5	42.3	5.92	13.6	41.1	5.79	13.7	38.1	5.26	13.8	35.8	4.86	13.8
	20	128	45.2	5.31	15.5	42.2	5.17	15.9	41.1	5.09	16.0	38.1	4.66	16.3	35.8	4.39	16.5
	20	256	45.2	5.31	17.8	42.2	5.15	17.9	41.1	5.15	18.0	38.1	4.55	18.1	35.8	4.20	18.2
	20	384	45.2	5.18	18.5	42.5	5.08	18.6	41.1	5.10	18.7	38.1	4.46	18.7	35.8	4.15	18.8
	25	128	45.4	4.64	20.4	42.6	4.43	20.7	41.1	4.36	20.9	38.1	3.89	21.2	35.8	3.58	21.4
	25	256	45.4	4.59	22.7	42.6	4.37	22.9	41.1	4.28	22.9	38.1	3.80	23.1	35.8	3.52	23.2
	25	384	45.4	4.41	23.5	42.6	4.26	23.6	41.1	4.23	23.6	38.1	3.80	23.7	35.8	3.47	23.8
	30	128	45.4	4.19	25.4	42.6	3.90	25.7	41.1	3.74	25.8	38.1	3.36	26.1	35.8	3.11	26.3
	30	256	45.4	4.10	27.7	42.6	3.81	27.8	41.1	3.67	27.9	38.1	3.30	28.1	35.8	3.08	28.2
	30	384	45.4	3.95	28.5	42.6	3.72	28.5	41.1	3.64	28.6	38.1	3.30	28.7	35.8	3.00	28.8
	35	128	45.4	3.81	30.3	42.6	3.54	30.6	41.1	3.33	30.8	38.1	3.12	31.1	35.8	2.77	31.3
	35	256	45.4	3.89	32.7	42.6	3.41	32.8	41.1	3.27	32.9	38.1	3.06	33.0	35.8	2.77	33.1
	35	384	45.4	3.56	33.4	42.6	3.45	33.5	41.1	3.17	33.6	38.1	3.06	33.7	35.8	2.77	33.8
	40	128	45.4	3.53	35.3	42.6	3.27	35.6	41.1	3.09	35.7	38.1	2.95	36.1	35.8	2.59	36.3
	40	256	45.4	3.33	37.6	42.6	3.14	37.8	41.1	3.02	37.9	38.1	2.88	38.0	35.8	2.54	38.1
	40	384	45.4	3.33	38.4	42.6	3.14	38.5	41.1	3.02	38.6	38.1	2.88	38.7	35.8	2.59	38.8
	45	128	45.4	3.33	40.3	42.6	3.10	40.6	41.1	2.89	40.7	38.1	2.61	41.0	35.8	2.59	41.3
	45	256	45.4	3.33	42.6	42.6	3.10	42.8	41.1	2.89	42.9	38.1	2.61	43.0	35.8	2.59	43.1
	45	384	45.4	3.33	43.4	42.6	3.10	43.5	41.1	2.89	43.6	38.1	2.61	43.7	35.8	2.59	43.8

12. Capacity Table

1-10. AM280FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	135	79.0	5.58	19.0	86.8	6.64	19.9	93.2	7.27	20.7	100.1	7.72	21.4	102.8	7.81	21.7
	10	270	79.0	5.17	14.5	86.8	6.14	14.9	93.2	6.94	15.3	100.1	7.29	15.7	102.8	7.29	15.8
	10	405	79.0	5.09	13.0	86.8	6.11	13.3	93.2	6.57	13.5	100.1	7.15	13.8	102.8	7.32	13.9
	15	135	77.6	7.20	24.0	85.4	8.53	25.0	91.8	9.47	25.8	98.4	9.93	26.5	101.1	10.15	26.8
	15	270	77.6	6.71	19.5	85.4	7.90	20.0	91.8	8.82	20.3	98.4	9.28	20.7	101.1	9.49	20.9
	15	405	77.6	6.52	18.0	85.4	7.70	18.3	91.8	8.53	18.6	98.4	8.95	18.8	101.1	9.22	18.9
	20	135	76.4	8.58	29.0	84.2	10.04	30.0	90.7	11.21	30.8	97.0	11.75	31.5	99.7	12.01	31.9
	20	270	76.4	8.41	24.5	84.2	9.89	25.0	90.7	11.05	25.4	97.0	11.62	25.8	99.7	11.84	25.9
	20	405	76.4	8.13	23.0	84.2	9.59	23.3	90.7	10.72	23.6	97.0	11.18	23.8	99.7	11.53	23.9
	25	135	76.4	10.77	34.3	84.2	12.68	35.3	90.7	14.13	36.1	97.0	14.85	36.9	99.7	15.09	37.2
	25	270	76.4	10.07	29.6	84.2	11.84	30.1	90.7	13.17	30.5	97.0	13.87	30.9	99.7	14.10	31.0
	25	405	76.4	9.69	28.0	84.2	11.46	28.4	90.7	12.75	28.7	97.0	13.38	28.9	99.7	13.76	29.0
	30	135	76.4	12.64	39.5	84.2	14.86	40.5	90.7	16.58	41.4	97.0	17.40	42.1	99.7	17.69	42.5
	30	270	76.4	12.43	34.7	84.2	14.62	35.2	90.7	16.27	35.7	97.0	17.14	36.1	99.7	17.48	36.2
	30	405	76.4	12.03	33.1	84.2	14.16	33.5	90.7	15.79	33.8	97.0	16.57	34.0	99.7	17.01	34.1
	35	135	72.2	13.15	44.1	79.8	15.49	45.1	85.8	17.28	45.9	92.1	18.10	46.7	94.2	18.41	47.0
	35	270	72.2	12.90	39.5	79.8	15.24	40.0	85.8	16.97	40.5	92.1	17.84	40.8	94.2	18.21	41.0
	35	405	72.2	12.56	38.0	79.8	14.77	38.3	85.8	16.42	38.6	92.1	17.26	38.9	94.2	17.73	39.0
	40	135	60.4	13.70	47.9	66.6	16.12	48.8	71.7	17.98	49.5	76.7	18.86	50.1	78.9	19.24	50.4
	40	270	60.9	13.47	44.0	67.1	15.88	44.4	72.3	17.65	44.8	77.4	18.57	45.1	79.6	18.97	45.2
	40	405	61.8	13.05	42.6	68.1	15.33	43.0	73.3	17.14	43.2	78.5	17.97	43.4	80.7	18.52	43.5
	45	135	50.4	14.14	51.9	55.3	16.66	52.6	59.5	18.58	53.3	63.7	19.45	53.8	65.5	19.86	54.1
	45	270	50.8	13.91	48.4	55.8	16.37	48.8	60.0	18.23	49.2	64.3	19.23	49.4	66.0	19.60	49.5
	45	405	51.6	13.46	47.3	56.6	15.82	47.6	60.8	17.70	47.8	65.2	18.55	48.0	67.0	19.14	48.0
120	10	135	74.8	5.30	18.5	82.3	6.29	19.4	88.5	6.91	20.1	94.7	7.30	20.8	97.2	7.39	21.1
	10	270	74.8	4.95	14.2	82.3	5.88	14.7	88.5	6.56	15.0	94.7	6.89	15.4	97.2	6.90	15.5
	10	405	74.8	4.72	12.8	82.3	5.79	13.1	88.5	6.20	13.4	94.7	6.78	13.6	97.2	6.99	13.7
	15	135	73.9	6.89	23.6	81.1	8.13	24.5	87.4	9.08	25.2	93.6	9.51	26.0	96.0	9.67	26.2
	15	270	73.9	6.44	19.3	81.1	7.56	19.7	87.4	8.46	20.1	93.6	8.86	20.4	96.0	9.04	20.6
	15	405	73.9	6.21	17.8	81.1	7.36	18.1	87.4	8.14	18.4	93.6	8.56	18.6	96.0	8.83	18.7
	20	135	73.1	8.25	28.6	80.3	9.65	29.5	86.5	10.77	30.3	92.8	11.32	31.1	95.2	11.54	31.3
	20	270	73.1	8.07	24.3	80.3	9.48	24.8	86.5	10.62	25.2	92.8	11.16	25.5	95.2	11.35	25.7
	20	405	73.1	7.84	22.9	80.3	9.24	23.2	86.5	10.29	23.4	92.8	10.75	23.7	95.2	11.06	23.8
	25	135	73.1	10.35	33.9	80.3	12.17	34.8	86.5	13.51	35.6	92.8	14.23	36.4	95.2	14.48	36.6
	25	270	73.1	9.62	29.4	80.3	11.36	29.9	86.5	12.64	30.3	92.8	13.26	30.6	95.2	13.51	30.8
	25	405	73.1	9.27	27.9	80.3	10.95	28.2	86.5	12.22	28.5	92.8	12.82	28.7	95.2	13.14	28.8
	30	135	73.1	12.20	39.1	80.3	14.36	40.0	86.5	16.01	40.9	92.8	16.79	41.6	95.2	17.09	41.9
	30	270	73.1	12.00	34.5	80.3	14.10	35.0	86.5	15.73	35.4	92.8	16.53	35.8	95.2	16.85	35.9
	30	405	73.1	11.60	33.0	80.3	13.67	33.3	86.5	15.25	33.6	92.8	16.03	33.9	95.2	16.41	33.9
	35	135	70.2	12.87	43.8	77.4	15.18	44.8	83.4	16.91	45.7	89.1	17.70	46.3	91.5	18.05	46.6
	35	270	70.2	12.63	39.4	77.4	14.91	39.9	83.4	16.61	40.3	89.1	17.45	40.7	91.5	17.80	40.8
	35	405	70.2	12.26	37.9	77.4	14.47	38.3	83.4	16.06	38.5	89.1	16.88	38.8	91.5	17.34	38.9
	40	135	59.9	13.67	47.8	66.0	16.09	48.7	71.1	17.95	49.5	75.9	18.83	50.1	78.1	19.21	50.3
	40	270	60.4	13.44	43.9	66.6	15.85	44.4	71.7	17.62	44.7	76.6	18.51	45.0	78.8	18.92	45.2
	40	405	61.3	13.02	42.6	67.5	15.36	42.9	72.7	17.11	43.2	77.6	17.97	43.4	79.9	18.43	43.5
	45	135	50.9	14.36	51.9	56.4	16.93	52.8	60.8	18.88	53.5	64.8	19.78	54.0	66.5	20.19	54.2
	45	270	51.4	14.14	48.5	56.9	16.64	48.9	61.3	18.54	49.2	65.3	19.48	49.5	67.1	19.89	49.6
	45	405	52.1	13.66	47.3	57.7	16.13	47.6	62.2	17.98	47.8	66.3	18.90	48.0	68.0	19.31	48.1
110	10	135	70.6	4.96	18.0	77.5	5.94	18.9	83.4	6.51	19.6	89.4	6.90	20.2	91.6	6.96	20.5
	10	270	70.6	4.64	14.0	77.5	5.50	14.4	83.4	6.19	14.8	89.4	6.54	15.1	91.6	6.47	15.2
	10	405	70.6	4.49	12.7	77.5	5.41	12.9	83.4	5.92	13.2	89.4	6.40	13.4	91.6	6.55	13.5
	15	135	70.0	6.56	23.1	76.9	7.76	24.0	82.9	8.66	24.7	88.9	9.06	25.4	91.3	9.25	25.7
	15	270	70.0	6.13	19.0	76.9	7.20	19.5	82.9	8.07	19.8	88.9	8.47	20.2	91.3	8.62	20.3
	15	405	70.0	5.93	17.7	76.9	7.00	18.0	82.9	7.81	18.2	88.9	8.17	18.4	91.3	8.38	18.5
	20	135	69.7	7.92	28.2	76.6	9.27	29.1	82.6	10.36	29.9	88.3	10.85	30.5	90.7	11.08	30.8
	20	270	69.7	7.75	24.1	76.6	9.11	24.6	82.6	10.19	24.9	88.3	10.70	25.3	90.7	10.89	25.4
	20	405	69.7	7.52	22.7	76.6	8.87	23.0	82.6	9.89	23.3	88.3	10.35	23.5	90.7	10.57	23.6
	25	135	69.7	9.90	33.5	76.6	11.64	34.4	82.6	12.95	35.1	88.3	13.59	35.8	90.7	13.83	36.1
	25	270	69.7	9.23	29.2	76.6	10.85	29.6	82.6	12.08	30.0	88.3	12.68	30.4	90.7	12.90	30.5
	25	405	69.7	8.88	27.8	76.6	10.48	28.1	82.6	11.70	28.3	88.3	12.27	28.6	90.7	12.52	28.7
	30	135	69.7	11.77	38.7	76.6	13.84	39.6	82.6	15.44	40.4	88.3	16.19	41.1	90.7	16.49	41.4
	30	270	69.7	11.57	34.3	76.6	13.61	34.8	82.6	15.16	35.2	88.3	15.93	35.5	90.7	16.22	35.7
	30	405	69.7	11.20	32.9	76.6	13.20	33.2	82.6	14.70	33.4	88.3	15.43	33.7	90.7	15.77	33.8
	35	135	68.1	12.59	43.6	75.3	14.84	44.6	80.8	16.54	45.3	86.8	17.31	46.0	88.9	17.65	46.3
	35	270	68.1	12.37	39.3	75.3	14.58	39.8	80.8	16.26	40.2	86.8	17.04	40.5	88.9	17.38	40.6
	35	405	68.1	12.00	37.8	75.3	14.14	38.2	80.8	15.71	38.4	86.8	16.53	38.7	88.9	16.89	38.7
	40	135	59.3	13.67	47.8	65.4	16.09	48.7	70.3	17.92	49.4	75.4	18.80	50.0	77.5	19.18	50.3
	40	270	59.8	13.41	43.9	66.0	15.82	44.3	70.9	17.62	44.7	76.0	18.48	45.0	78.2	18.86	45.2
	40	405	60.7	13.00	42.6	66.9	15.33	42.9	71.9	17.08	43.1	77.1	17.94	43.4	79.3	18.34	43.5
	45	135	52.0	14.63	52.1	57.2	17.21	52.9	61.6	19.18	53.6	66.1	20.11	54.2	67.8	20.52	54.4
	45	270	52.4	14.34	48.5	57.7	16.90	49.0	62.1	18.83	49.3	66.7	19.83	49.6	68.4	20.18	49.7
	45	405	53.2	13.86	47.4	58.5	16.40	47.7	63.0	18.27	47.9	67.6	19.21	48.1	69.4	19.57	48.1

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	135	66.1	4.70	17.5	72.9	5.54	18.3	78.4	6.17	19.0	84.1	6.47	19.6	86.2	6.59	19.9
	10	270	66.1	4.38	13.7	72.9	5.19	14.1	78.4	5.87	14.5	84.1	6.14	14.8	86.2	6.14	14.9
	10	405	66.1	4.24	12.5	72.9	5.08	12.8	78.4	5.55	13.0	84.1	6.02	13.2	86.2	6.11	13.3
	15	135	66.1	6.28	22.7	72.9	7.39	23.5	78.4	8.24	24.2	84.1	8.64	24.8	86.2	8.80	25.1
	15	270	66.1	5.85	18.8	72.9	6.89	19.2	78.4	7.67	19.6	84.1	8.05	19.9	86.2	8.20	20.0
	15	405	66.1	5.66	17.5	72.9	6.66	17.8	78.4	7.42	18.0	84.1	7.78	18.3	86.2	7.93	18.3
	20	135	66.1	7.57	27.8	72.9	8.91	28.7	78.4	9.93	29.4	84.1	10.41	30.0	86.2	10.61	30.3
	20	270	66.1	7.44	23.9	72.9	8.76	24.3	78.4	9.76	24.7	84.1	10.24	25.0	86.2	10.43	25.1
	20	405	66.1	7.21	22.6	72.9	8.49	22.9	78.4	9.46	23.1	84.1	9.92	23.3	86.2	10.11	23.4
	25	135	66.1	9.43	33.0	72.9	11.10	33.9	78.4	12.37	34.6	84.1	12.98	35.3	86.2	13.22	35.6
	25	270	66.1	8.79	29.0	72.9	10.34	29.4	78.4	11.52	29.8	84.1	12.09	30.1	86.2	12.32	30.2
	25	405	66.1	8.49	27.6	72.9	10.00	27.9	78.4	11.14	28.2	84.1	11.69	28.4	86.2	11.91	28.5
	30	135	66.1	11.33	38.2	72.9	13.34	39.2	78.4	14.86	39.9	84.1	15.59	40.6	86.2	15.88	40.8
	30	270	66.1	11.14	34.1	72.9	13.11	34.6	78.4	14.61	34.9	84.1	15.33	35.3	86.2	15.61	35.4
	30	405	66.1	10.79	32.7	72.9	12.71	33.0	78.4	14.16	33.3	84.1	14.86	33.5	86.2	15.13	33.6
	35	135	66.1	12.31	43.3	72.9	14.50	44.3	78.4	16.15	45.0	84.1	16.94	45.7	86.2	17.26	46.0
	35	270	66.1	12.10	39.2	72.9	14.25	39.6	78.4	15.88	40.0	84.1	16.66	40.3	86.2	16.97	40.5
	35	405	66.1	11.73	37.8	72.9	13.81	38.1	78.4	15.39	38.3	84.1	16.14	38.5	86.2	16.44	38.6
	40	135	58.8	13.64	47.7	64.9	16.06	48.6	69.7	17.89	49.3	74.8	18.77	49.9	76.7	19.12	50.2
	40	270	59.3	13.41	43.9	65.4	15.79	44.3	70.3	17.59	44.7	75.4	18.45	45.0	77.4	18.80	45.1
	40	405	60.1	13.00	42.6	66.4	15.30	42.9	71.3	17.05	43.1	76.5	17.89	43.3	78.5	18.22	43.4
	45	135	52.8	14.85	52.2	58.3	17.48	53.0	62.6	19.48	53.7	67.2	20.43	54.3	68.9	20.82	54.5
	45	270	53.2	14.59	48.6	58.7	17.18	49.0	63.1	19.15	49.4	67.7	20.09	49.7	69.5	20.46	49.8
	45	405	54.0	14.15	47.4	59.6	16.66	47.7	64.1	18.56	47.9	68.7	19.47	48.1	70.5	19.83	48.2
90	10	135	59.6	4.15	16.8	65.8	4.89	17.5	70.7	5.45	18.1	75.8	5.72	18.7	77.8	5.82	18.9
	10	270	59.6	4.08	13.4	65.8	4.81	13.7	70.7	5.36	14.0	75.8	5.62	14.3	77.8	5.72	14.4
	10	405	59.6	3.96	12.2	65.8	4.66	12.5	70.7	5.19	12.7	75.8	5.45	12.9	77.8	5.55	12.9
	15	135	59.6	5.54	21.9	65.8	6.53	22.7	70.7	7.27	23.3	75.8	7.63	23.9	77.8	7.77	24.1
	15	270	59.6	5.45	18.5	65.8	6.42	18.8	70.7	7.15	19.1	75.8	7.50	19.4	77.8	7.64	19.5
	15	405	59.6	5.28	17.3	65.8	6.22	17.5	70.7	6.93	17.7	75.8	7.27	17.9	77.8	7.40	18.0
	20	135	59.6	6.68	27.0	65.8	7.87	27.8	70.7	8.76	28.4	75.8	9.20	29.0	77.8	9.37	29.3
	20	270	59.6	6.57	23.5	65.8	7.73	23.9	70.7	8.62	24.2	75.8	9.04	24.5	77.8	9.21	24.6
	20	405	59.6	6.37	22.3	65.8	7.49	22.6	70.7	8.35	22.8	75.8	8.76	23.0	77.8	8.92	23.1
	25	135	59.6	8.32	32.2	65.8	9.80	33.0	70.7	10.92	33.7	75.8	11.46	34.3	77.8	11.67	34.5
	25	270	59.6	8.18	28.6	65.8	9.63	29.0	70.7	10.73	29.3	75.8	11.26	29.6	77.8	11.47	29.7
	25	405	59.6	7.93	27.4	65.8	9.34	27.7	70.7	10.40	27.9	75.8	10.91	28.1	77.8	11.12	28.1
	30	135	59.6	10.00	37.4	65.8	11.78	38.2	70.7	13.12	38.9	75.8	13.77	39.5	77.8	14.03	39.7
	30	270	59.6	9.83	33.7	65.8	11.58	34.1	70.7	12.90	34.4	75.8	13.53	34.7	77.8	13.79	34.9
	30	405	59.6	9.53	32.4	65.8	11.22	32.7	70.7	12.50	32.9	75.8	13.12	33.1	77.8	13.36	33.2
	35	135	59.6	10.87	42.5	65.8	12.80	43.3	70.7	14.26	44.0	75.8	14.96	44.6	77.8	15.24	44.9
	35	270	59.6	10.69	38.7	65.8	12.58	39.2	70.7	14.02	39.5	75.8	14.71	39.8	77.8	14.98	39.9
	35	405	59.6	10.36	37.5	65.8	12.19	37.8	70.7	13.59	38.0	75.8	14.25	38.2	77.8	14.52	38.3
	40	135	53.0	12.04	46.9	58.5	14.18	47.7	62.9	15.80	48.4	67.5	16.58	48.9	69.2	16.89	49.1
	40	270	53.5	11.84	43.5	59.0	13.94	43.9	63.4	15.53	44.2	68.0	16.29	44.5	69.8	16.60	44.6
	40	405	54.2	11.47	42.3	59.8	13.51	42.6	64.3	15.05	42.8	69.0	15.79	43.0	70.8	16.09	43.1
	45	135	47.6	13.11	51.4	52.5	15.44	52.2	56.5	17.20	52.8	60.6	18.04	53.3	62.1	18.38	53.5
	45	270	48.0	12.89	48.2	53.0	15.17	48.6	56.9	16.91	48.9	61.1	17.74	49.2	62.6	18.07	49.3
	45	405	48.7	12.49	47.2	53.7	14.71	47.4	57.8	16.38	47.6	62.0	17.19	47.8	63.5	17.51	47.9
80	10	135	52.9	3.43	16.0	58.4	4.04	16.6	62.8	4.50	17.1	67.4	4.72	17.7	69.1	4.81	17.8
	10	270	52.9	3.37	13.0	58.4	3.97	13.3	62.8	4.42	13.6	67.4	4.64	13.8	69.1	4.73	13.9
	10	405	52.9	3.27	12.0	58.4	3.85	12.2	62.8	4.29	12.4	67.4	4.50	12.5	69.1	4.58	12.6
	15	135	52.9	4.58	21.1	58.4	5.39	21.8	62.8	6.00	22.3	67.4	6.30	22.8	69.1	6.42	23.0
	15	270	52.9	4.50	18.0	58.4	5.30	18.4	62.8	5.90	18.6	67.4	6.19	18.9	69.1	6.31	19.0
	15	405	52.9	4.36	17.0	58.4	5.13	17.2	62.8	5.72	17.4	67.4	6.00	17.6	69.1	6.11	17.7
	20	135	52.9	5.52	26.2	58.4	6.49	26.9	62.8	7.24	27.4	67.4	7.59	28.0	69.1	7.73	28.2
	20	270	52.9	5.42	23.1	58.4	6.38	23.4	62.8	7.11	23.7	67.4	7.46	24.0	69.1	7.60	24.1
	20	405	52.9	5.25	22.1	58.4	6.19	22.3	62.8	6.89	22.5	67.4	7.23	22.6	69.1	7.37	22.7
	25	135	52.9	6.87	31.3	58.4	8.09	32.1	62.8	9.02	32.6	67.4	9.46	33.2	69.1	9.64	33.4
	25	270	52.9	6.76	28.2	58.4	7.95	28.5	62.8	8.86	28.8	67.4	9.30	29.1	69.1	9.47	29.2
	25	405	52.9	6.55	27.1	58.4	7.71	27.3	62.8	8.59	27.5	67.4	9.01	27.7	69.1	9.18	27.8
	30	135	52.9	8.26	36.5	58.4	9.72	37.2	62.8	10.83	37.8	67.4	11.37	38.4	69.1	11.58	38.6
	30	270	52.9	8.12	33.2	58.4	9.56	33.6	62.8	10.65	33.9	67.4	11.17	34.2	69.1	11.38	34.3
	30	405	52.9	7.87	32.2	58.4	9.26	32.4	62.8	10.32	32.6	67.4	10.83	32.8	69.1	11.03	32.8
	35	135	52.9	8.97	41.6	58.4	10.57	42.3	62.8	11.77	42.9	67.4	12.35	43.5	69.1	12.58	43.7
	35	270	52.9	8.82	38.3	58.4	10.39	38.7	62.8	11.57	38.9	67.4	12.14	39.2	69.1	12.37	39.3
	35	405	52.9	8.55	37.2	58.4	10.07	37.4	62.8	11.22	37.6	67.4	11.77	37.8	69.1	11.99	37.9
	40	135	47.1	9.94	46.1	52.0	11.71	46.8	55.9	13.04	47.3	59.9	13.68	47.8	61.4	13.94	48.0
	40	270	47.5	9.77	43.0	52.4	11.51	43.4	56.3	12.82	43.7	60.4	13.45	43.9	62.0	13.70	44.0
	40	405	48.2	9.47	42.0	53.2	11.15	42.3	57.1	12.43	42.5	61.3	13.04	42.6	62.9	13.28	42.7
	45	135	42.3	10.82	50.6	46.7	12.74	51.3	50.2	14.20	51.8	53.8	14.90	52.3	55.2	15.17	52.5
	45	270	42.6	10.64	47.8	47.1	12.53	48.2	50.6	13.96	48.4	54.3	14.64	48.7	55.6	14.92	48.7
	45	405	43.2	10.31	46.9	47.7	12.14	47.1	51.3	13.53	47.3	55.0	14.19	47.4	56.4	14.46	47.5

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	135	46.3	2.87	15.2	51.1	3.39	15.8	55.0	3.77	16.2	58.9	3.96	16.7	60.4	4.03	16.8
	10	270	46.3	2.83	12.6	51.1	3.33	12.9	55.0	3.71	13.1	58.9	3.89	13.3	60.4	3.96	13.4
	10	405	46.3	2.74	11.7	51.1	3.23	11.9	55.0	3.59	12.1	58.9	3.77	12.2	60.4	3.84	12.3
	15	135	46.3	3.84	20.3	51.1	4.52	20.9	55.0	5.03	21.4	58.9	5.28	21.8	60.4	5.38	22.0
	15	270	46.3	3.77	17.7	51.1	4.44	17.9	55.0	4.95	18.2	58.9	5.19	18.4	60.4	5.29	18.5
	15	405	46.3	3.66	16.8	51.1	4.30	17.0	55.0	4.80	17.1	58.9	5.03	17.3	60.4	5.13	17.3
	20	135	46.3	4.62	25.4	51.1	5.45	26.0	55.0	6.07	26.5	58.9	6.37	26.9	60.4	6.48	27.1
	20	270	46.3	4.55	22.7	51.1	5.35	23.0	55.0	5.96	23.2	58.9	6.26	23.5	60.4	6.37	23.5
	20	405	46.3	4.41	21.8	51.1	5.19	22.0	55.0	5.78	22.1	58.9	6.06	22.3	60.4	6.18	22.4
	25	135	46.3	5.76	30.5	51.1	6.79	31.1	55.0	7.56	31.6	58.9	7.93	32.1	60.4	8.08	32.3
	25	270	46.3	5.66	27.8	51.1	6.67	28.1	55.0	7.43	28.3	58.9	7.80	28.5	60.4	7.94	28.6
	25	405	46.3	5.49	26.8	51.1	6.46	27.0	55.0	7.20	27.2	58.9	7.56	27.4	60.4	7.70	27.4
	30	135	46.3	6.92	35.7	51.1	8.15	36.3	55.0	9.08	36.8	58.9	9.53	37.3	60.4	9.71	37.4
	30	270	46.3	6.81	32.8	51.1	8.02	33.1	55.0	8.93	33.4	58.9	9.37	33.6	60.4	9.54	33.7
	30	405	46.3	6.60	31.9	51.1	7.77	32.1	55.0	8.65	32.3	58.9	9.08	32.4	60.4	9.25	32.5
	35	135	46.3	7.52	40.7	51.1	8.86	41.4	55.0	9.87	41.9	58.9	10.36	42.4	60.4	10.55	42.5
	35	270	46.3	7.40	37.9	51.1	8.71	38.2	55.0	9.70	38.4	58.9	10.18	38.7	60.4	10.37	38.8
	35	405	46.3	7.17	36.9	51.1	8.44	37.1	55.0	9.40	37.3	58.9	9.87	37.4	60.4	10.05	37.5
	40	135	41.2	8.34	45.3	45.5	9.82	45.9	48.9	10.94	46.4	52.4	11.47	46.8	53.8	11.69	46.9
	40	270	41.5	8.20	42.6	45.9	9.65	42.9	49.3	10.75	43.2	52.9	11.28	43.4	54.2	11.49	43.5
	40	405	42.1	7.94	41.8	46.5	9.35	42.0	50.0	10.42	42.1	53.6	10.93	42.3	55.0	11.14	42.3
	45	135	37.0	9.07	49.9	40.8	10.69	50.5	43.9	11.91	50.9	47.1	12.49	51.3	48.3	12.72	51.5
	45	270	37.3	8.92	47.5	41.2	10.50	47.7	44.3	11.70	48.0	47.5	12.28	48.2	48.7	12.51	48.2
	45	405	37.8	8.65	46.6	41.8	10.18	46.8	44.9	11.34	47.0	48.2	11.90	47.1	49.4	12.12	47.2
60	10	135	39.5	2.27	14.4	43.6	2.67	14.9	46.9	2.98	15.3	50.3	3.12	15.7	51.6	3.18	15.8
	10	270	39.5	2.23	12.2	43.6	2.63	12.5	46.9	2.93	12.6	50.3	3.07	12.8	51.6	3.13	12.9
	10	405	39.5	2.16	11.5	43.6	2.55	11.6	46.9	2.84	11.8	50.3	2.98	11.9	51.6	3.03	11.9
	15	135	39.5	3.03	19.5	43.6	3.57	20.0	46.9	3.97	20.4	50.3	4.17	20.8	51.6	4.25	20.9
	15	270	39.5	2.98	17.3	43.6	3.51	17.5	46.9	3.91	17.7	50.3	4.10	17.9	51.6	4.18	18.0
	15	405	39.5	2.89	16.5	43.6	3.40	16.7	46.9	3.79	16.8	50.3	3.97	16.9	51.6	4.05	17.0
	20	135	39.5	3.65	24.6	43.6	4.30	25.1	46.9	4.79	25.5	50.3	5.03	25.9	51.6	5.12	26.0
	20	270	39.5	3.59	22.3	43.6	4.23	22.5	46.9	4.71	22.7	50.3	4.94	22.9	51.6	5.03	23.0
	20	405	39.5	3.48	21.5	43.6	4.10	21.7	46.9	4.56	21.8	50.3	4.79	21.9	51.6	4.88	22.0
	25	135	39.5	4.55	29.7	43.6	5.36	30.2	46.9	5.97	30.6	50.3	6.26	31.0	51.6	6.38	31.2
	25	270	39.5	4.47	27.3	43.6	5.27	27.6	46.9	5.87	27.8	50.3	6.15	28.0	51.6	6.27	28.1
	25	405	39.5	4.33	26.6	43.6	5.10	26.7	46.9	5.69	26.9	50.3	5.97	27.0	51.6	6.08	27.0
	30	135	39.5	5.47	34.8	43.6	6.44	35.3	46.9	7.17	35.7	50.3	7.52	36.1	51.6	7.67	36.3
	30	270	39.5	5.37	32.4	43.6	6.33	32.7	46.9	7.05	32.9	50.3	7.40	33.1	51.6	7.53	33.1
	30	405	39.5	5.21	31.6	43.6	6.13	31.8	46.9	6.83	31.9	50.3	7.17	32.0	51.6	7.30	32.1
	35	135	39.5	5.94	39.8	43.6	7.00	40.4	46.9	7.79	40.8	50.3	8.18	41.2	51.6	8.33	41.4
	35	270	39.5	5.84	37.4	43.6	6.88	37.7	46.9	7.66	37.9	50.3	8.04	38.1	51.6	8.19	38.2
	35	405	39.5	5.66	36.6	43.6	6.66	36.8	46.9	7.42	36.9	50.3	7.79	37.1	51.6	7.94	37.1
	40	135	35.2	6.58	44.4	38.8	7.75	44.9	41.7	8.63	45.3	44.7	9.06	45.7	45.9	9.23	45.9
	40	270	35.5	6.47	42.2	39.1	7.62	42.5	42.1	8.49	42.7	45.1	8.90	42.9	46.3	9.07	42.9
	40	405	36.0	6.27	41.5	39.7	7.38	41.7	42.7	8.23	41.8	45.8	8.63	41.9	46.9	8.79	42.0
	45	135	31.6	7.16	49.1	34.8	8.44	49.6	37.5	9.40	50.0	40.2	9.86	50.3	41.2	10.05	50.4
	45	270	31.8	7.04	47.1	35.1	8.29	47.3	37.8	9.24	47.5	40.5	9.69	47.7	41.6	9.87	47.7
	45	405	32.3	6.83	46.4	35.6	8.04	46.5	38.3	8.95	46.7	41.1	9.39	46.8	42.1	9.57	46.8
50	10	135	33.1	1.67	13.7	36.6	1.96	14.1	39.3	2.19	14.4	42.2	2.30	14.7	43.2	2.34	14.8
	10	270	33.1	1.64	11.8	36.6	1.93	12.0	39.3	2.15	12.2	42.2	2.26	12.4	43.2	2.30	12.4
	10	405	33.1	1.59	11.2	36.6	1.87	11.4	39.3	2.08	11.5	42.2	2.19	11.6	43.2	2.23	11.6
	15	135	33.1	2.23	18.8	36.6	2.62	19.2	39.3	2.92	19.5	42.2	3.06	19.8	43.2	3.12	19.9
	15	270	33.1	2.19	16.9	36.6	2.58	17.1	39.3	2.87	17.2	42.2	3.01	17.4	43.2	3.07	17.5
	15	405	33.1	2.12	16.2	36.6	2.50	16.4	39.3	2.78	16.5	42.2	2.92	16.6	43.2	2.97	16.6
	20	135	33.1	2.68	23.8	36.6	3.16	24.2	39.3	3.52	24.5	42.2	3.69	24.9	43.2	3.76	25.0
	20	270	33.1	2.64	21.9	36.6	3.11	22.1	39.3	3.46	22.3	42.2	3.63	22.4	43.2	3.70	22.5
	20	405	33.1	2.56	21.3	36.6	3.01	21.4	39.3	3.35	21.5	42.2	3.52	21.6	43.2	3.58	21.7
	25	135	33.1	3.34	28.9	36.6	3.94	29.3	39.3	4.39	29.6	42.2	4.60	30.0	43.2	4.69	30.1
	25	270	33.1	3.29	26.9	36.6	3.87	27.1	39.3	4.31	27.3	42.2	4.52	27.5	43.2	4.61	27.5
	25	405	33.1	3.18	26.3	36.6	3.75	26.4	39.3	4.18	26.5	42.2	4.38	26.6	43.2	4.47	26.7
	30	135	33.1	4.02	33.9	36.6	4.73	34.4	39.3	5.27	34.7	42.2	5.53	35.1	43.2	5.63	35.2
	30	270	33.1	3.95	32.0	36.6	4.65	32.2	39.3	5.18	32.4	42.2	5.43	32.5	43.2	5.54	32.6
	30	405	33.1	3.83	31.3	36.6	4.51	31.5	39.3	5.02	31.6	42.2	5.27	31.7	43.2	5.37	31.7
	35	135	33.1	4.37	39.0	36.6	5.14	39.4	39.3	5.73	39.8	42.2	6.01	40.1	43.2	6.12	40.2
	35	270	33.1	4.29	37.0	36.6	5.05	37.2	39.3	5.63	37.4	42.2	5.91	37.6	43.2	6.02	37.6
	35	405	33.1	4.16	36.3	36.6	4.90	36.5	39.3	5.46	36.6	42.2	5.72	36.7	43.2	5.83	36.7
	40	135	29.5	4.84	43.6	32.5	5.70	44.1	35.0	6.35	44.4	37.5	6.66	44.7	38.5	6.78	44.8
	40	270	29.7	4.75	41.8	32.8	5.60	42.0	35.3	6.24	42.2	37.8	6.54	42.4	38.8	6.67	42.4
	40	405	30.1	4.61	41.2	33.3	5.43	41.4	35.8	6.04	41.5	38.4	6.34	41.6	39.3	6.46	41.6
	45	135	26.5	5.26	48.4	29.2	6.20	48.8	31.4	6.91	49.1	33.7	7.25	49.3	34.5	7.38	49.4
	45	270	26.7	5.17	46.7	29.4	6.09	46.9	31.7	6.79	47.0	34.0	7.12	47.2	34.8	7.26	47.2
	45	405	27.1	5.02	46.1	29.9	5.91	46.3	32.1	6.58	46.4	34.4	6.90	46.5	35.3	7.03	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	135	106.2	23.35	-3.8	104.6	22.29	-3.7	101.2	21.72	-3.4	95.1	20.13	-3.0	91.7	18.60	-2.8
	5	270	109.3	23.17	0.4	106.8	22.46	0.5	103.2	22.07	0.7	96.7	20.40	1.0	93.0	18.86	1.1
	5	405	110.1	23.99	2.0	107.6	23.20	2.0	103.8	22.47	2.1	97.5	20.83	2.3	94.0	19.57	2.4
	10	135	106.8	20.89	0.9	104.9	19.94	1.0	101.3	19.59	1.3	95.1	18.14	1.8	91.7	16.87	2.1
	10	270	109.3	20.72	5.3	106.8	20.00	5.4	103.2	19.72	5.6	96.7	18.09	5.8	93.0	16.85	6.0
	10	405	110.1	21.14	6.9	107.9	20.44	6.9	104.4	19.84	7.0	97.5	18.22	7.2	94.0	17.19	7.3
	15	135	107.4	18.68	5.6	105.4	17.71	5.7	104.0	17.82	5.9	96.5	16.16	6.5	92.5	15.20	6.8
	15	270	110.7	17.92	10.1	108.5	17.41	10.2	107.3	17.68	10.2	99.8	15.70	10.5	95.1	14.67	10.7
	15	405	111.5	18.57	11.7	110.1	18.02	11.7	109.3	17.68	11.8	101.4	15.65	12.0	97.2	15.30	12.1
	20	135	111.2	17.18	10.0	109.3	16.23	10.1	107.9	16.11	10.3	100.3	14.43	10.9	95.7	14.32	11.4
	20	270	114.8	16.52	14.8	112.9	16.26	14.9	110.9	16.94	15.0	103.5	14.89	15.3	99.1	14.38	15.5
	20	405	115.7	16.70	16.5	114.0	16.17	16.5	113.2	16.23	16.6	104.8	14.58	16.8	100.1	14.38	17.0
	25	135	116.5	16.43	14.4	113.7	15.77	14.6	112.6	15.70	14.7	105.4	14.28	15.3	101.2	13.66	15.7
	25	270	116.5	16.17	19.7	113.7	15.66	19.8	112.6	15.42	19.8	105.4	14.06	20.2	101.2	13.73	20.4
	25	405	116.5	15.84	21.4	113.7	15.05	21.5	112.6	15.08	21.5	105.4	14.16	21.8	101.2	12.87	21.9
	30	135	116.5	15.95	19.3	113.7	15.03	19.5	112.6	15.06	19.6	105.4	13.43	20.2	101.2	13.56	20.7
	30	270	116.5	15.42	24.6	113.7	14.92	24.8	112.6	14.70	24.8	105.4	13.55	25.1	101.2	12.66	25.3
	30	405	116.5	15.08	26.4	113.7	14.31	26.5	112.6	14.33	26.5	105.4	12.65	26.7	101.2	13.20	26.9
	35	135	116.5	15.20	24.2	113.7	14.53	24.5	112.6	14.47	24.6	105.4	12.94	25.2	101.2	12.11	25.5
	35	270	116.5	14.69	29.6	113.7	14.20	29.7	112.6	14.19	29.8	105.4	12.80	30.1	101.2	11.83	30.3
	35	405	116.5	14.69	31.4	113.7	13.95	31.5	112.6	13.80	31.5	105.4	12.43	31.7	101.2	11.53	31.8
	40	135	116.5	14.70	29.2	113.7	14.04	29.4	112.6	13.94	29.5	105.4	12.45	30.1	101.2	11.94	30.5
	40	270	116.5	14.19	34.6	113.7	13.68	34.7	112.6	13.47	34.7	105.4	12.01	35.0	101.2	11.49	35.2
	40	405	116.5	13.80	36.4	113.7	13.35	36.4	112.6	13.47	36.5	105.4	12.01	36.7	101.2	11.49	36.8
	45	135	116.5	14.19	34.1	113.7	13.57	34.4	112.6	13.47	34.5	105.4	11.88	35.1	101.2	11.82	35.5
	45	270	116.5	13.72	39.5	113.7	13.21	39.7	112.6	12.71	39.7	105.4	11.11	40.0	101.2	11.13	40.2
	45	405	116.5	12.93	41.3	113.7	12.71	41.4	112.6	13.11	41.5	105.4	11.44	41.7	101.2	11.50	41.8
120	5	135	101.2	23.16	-3.3	99.5	22.20	-3.2	96.2	21.56	-2.9	90.6	19.84	-2.5	86.7	18.32	-2.3
	5	270	103.7	23.48	0.7	101.5	22.64	0.8	97.4	22.07	1.0	91.7	20.25	1.2	87.8	18.54	1.3
	5	405	104.5	23.70	2.1	100.6	22.89	2.2	98.0	22.47	2.3	92.2	20.65	2.5	88.3	18.94	2.5
	10	135	101.8	20.72	1.4	99.8	19.86	1.5	96.3	19.45	1.8	90.6	17.88	2.3	86.7	16.62	2.6
	10	270	103.7	21.00	5.6	101.5	20.17	5.7	97.4	19.72	5.9	91.7	17.96	6.1	87.8	16.57	6.2
	10	405	104.5	20.89	7.0	100.9	20.17	7.1	98.6	19.84	7.2	92.2	18.06	7.4	88.3	16.64	7.5
	15	135	102.3	18.35	6.1	100.1	17.55	6.2	98.8	17.54	6.4	92.0	15.92	6.9	87.5	14.94	7.3
	15	270	104.5	18.51	10.4	102.6	17.71	10.5	101.1	17.68	10.6	94.1	15.70	10.8	89.4	14.46	11.0
	15	405	105.4	18.09	11.9	102.6	17.47	12.0	102.2	17.68	12.0	95.2	15.65	12.2	90.4	14.46	12.3
	20	135	105.1	16.48	10.6	103.1	15.59	10.7	101.3	15.41	10.9	94.4	13.96	11.5	89.6	13.90	12.0
	20	270	107.8	16.29	15.1	105.6	15.93	15.2	103.3	16.51	15.4	96.5	14.39	15.6	92.0	13.56	15.8
	20	405	108.4	16.25	16.7	105.4	15.65	16.8	105.0	15.69	16.8	97.6	14.10	17.0	92.8	13.64	17.2
	25	135	109.5	15.53	15.0	106.2	14.61	15.3	104.4	14.55	15.5	97.6	13.14	16.0	93.6	12.52	16.4
	25	270	109.8	15.30	20.0	106.2	14.52	20.1	104.4	14.47	20.2	97.6	12.89	20.5	93.6	12.60	20.7
	25	405	110.3	14.43	21.6	106.2	13.94	21.7	104.4	14.07	21.8	97.6	13.33	22.0	93.6	11.78	22.1
	30	135	110.1	14.77	19.9	106.2	13.89	20.2	104.4	13.71	20.4	97.6	12.05	20.9	93.6	12.14	21.4
	30	270	110.1	14.30	24.9	106.2	13.56	25.1	104.4	13.46	25.2	97.6	12.13	25.5	93.6	11.31	25.6
	30	405	110.1	13.60	26.6	106.2	13.09	26.7	104.4	13.07	26.8	97.6	11.64	27.0	93.6	11.79	27.1
	35	135	110.1	14.05	24.8	106.2	13.15	25.1	104.4	12.96	25.3	97.6	11.56	25.9	93.6	10.75	26.2
	35	270	110.1	13.24	29.9	106.2	12.65	30.0	104.4	12.46	30.1	97.6	11.15	30.4	93.6	10.30	30.6
	35	405	110.1	13.01	31.6	106.2	12.52	31.7	104.4	12.46	31.7	97.6	11.15	31.9	93.6	10.30	32.1
	40	135	110.1	13.55	29.8	106.2	12.52	30.1	104.4	12.21	30.2	97.6	10.82	30.8	93.6	10.34	31.2
	40	270	110.1	12.51	34.8	106.2	11.94	35.0	104.4	11.70	35.1	97.6	10.39	35.4	93.6	9.89	35.6
	40	405	110.1	12.26	36.5	106.2	11.69	36.7	104.4	11.70	36.7	97.6	10.39	36.9	93.6	9.89	37.0
	45	135	110.1	13.07	34.7	106.2	11.88	35.0	104.4	11.48	35.1	97.6	10.03	35.7	93.6	9.93	36.1
	45	270	110.1	11.75	39.8	106.2	11.19	40.0	104.4	10.95	40.0	97.6	9.53	40.3	93.6	9.48	40.5
	45	405	110.1	11.53	41.5	106.2	10.89	41.6	104.4	10.95	41.7	97.6	9.53	41.9	93.6	9.48	42.0
110	5	135	96.8	23.41	-2.8	94.7	22.29	-2.7	91.1	21.63	-2.4	86.1	19.84	-2.0	81.7	18.32	-1.7
	5	270	98.7	23.58	1.0	95.8	22.64	1.1	92.0	22.07	1.3	86.7	20.25	1.5	82.2	18.54	1.6
	5	405	99.6	23.93	2.3	96.3	22.89	2.4	92.3	22.29	2.5	86.7	20.44	2.7	82.5	18.94	2.8
	10	135	97.4	20.95	1.9	95.0	19.94	2.0	91.2	19.50	2.4	86.1	17.88	2.8	81.7	16.62	3.1
	10	270	98.7	21.09	5.9	95.8	20.17	6.0	92.0	19.72	6.2	86.7	17.96	6.4	82.2	16.57	6.5
	10	405	99.6	21.09	7.2	96.6	20.17	7.3	92.9	19.67	7.4	86.7	17.88	7.6	82.5	16.64	7.7
	15	135	97.6	18.46	6.6	95.2	17.71	6.8	93.6	17.68	6.9	87.5	15.92	7.4	82.4	14.94	7.8
	15	270	99.3	18.35	10.7	96.6	17.71	10.8	94.7	17.68	10.9	88.3	15.70	11.1	83.5	14.46	11.3
	15	405	100.1	18.18	12.1	97.2	17.47	12.2	95.6	17.31	12.2	88.8	15.32	12.4	83.8	14.46	12.5
	20	135	99.6	16.00	11.1	96.9	15.35	11.3	95.0	15.19	11.5	88.3	13.73	12.1	83.5	13.46	12.6
	20	270	101.8	15.93	15.4	98.0	15.43	15.6	95.8	15.93	15.8	89.6	13.94	16.0	84.5	12.92	16.2
	20	405	102.6	16.11	16.9	99.4	15.35	17.0	97.0	15.19	17.1	90.1	13.30	17.3	85.3	12.92	17.4
	25	135	102.3	14.49	15.7	99.1	13.72	15.9	96.7	13.71	16.2	90.1	12.20	16.7	85.6	11.41	17.1
	25	270	103.2	14.41	20.3	99.1	13.50	20.5	96.7	13.46	20.6	90.1	11.98	20.9	85.6	11.44	21.1
	25	405	104.0	14.41	21.8	99.1	13.58	22.0	96.7	13.06	22.0	90.1	12.39	22.2	85.6	10.69	22.3
	30	135	103.7	13.18	20.4	99.1	12.51	20.8	96.7	12.20	21.0	90.1	10.92	21.6	85.6	10.51	22.0
	30	270	103.7	12.95	25.2	99.1	12.26	25.4	96.7	11.95	25.5	90.1	10.95	25.8	85.6	9.94	26.0
	30	405	103.7	12.81	26.8	99.1	11.90	26.9	96.7	11.55	27.0	90.1	10.21	27.2	85.6	10.36	27.3
	35	135	103.7	12.45	25.3	99.1	11.52	25.7	96.7	11.22	25.9	90.1	9.95	26.5	85.6	9.19	26.9
	35	270	103.7	11.95	30.1	99.1	11.30	30.3	96.7	10.94	30.4	90.1	9.76	30.7	85.6	8.94	30.9
	35	405	103.7	11.50	31.7	99.1	10.91	31.9	96.7	10.60	32.0	90.1	9.76	32.2	85.6	8.94	32.3
	40	135	103.7	11.69	30.2	99.1	11.05	30.7	96.7	10.47	30.8	90.1	9.21	31.4	85.6	8.71	31.8
	40	270	103.7	11.22	35.1	99.1	10.56	35.3	96.7	9.96	35.4	90.1	8.99	35.7	85.6	8.52	35.9
	40	405	103.7	10.97	36.7	99.1	10.17	36.9	96.7	9.96	36.9	90.1	8.63	37.1	85.6	8.15	37.3
	45	135	103.7	10.94	35.1	99.1	10.56	35.6	96.7	9.71	35.8	90.1	8.46	36.3	85.6	8.25	36.8
	45	270	103.7	10.46	40.0	99.1	9.81	40.3	96.7	8.95	40.3	90.1	8.15	40.6	85.6	8.06	40.9
	45	405	103.7	10.47	41.7	99.1	9.42	41.8	96.7	9.35	41.9	90.1	7.49	42.1	85.6	7.32	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	135	92.4	23.48	-2.3	89.1	22.58	-2.1	85.9	21.69	-1.8	81.1	19.89	-1.5	76.5	18.10	-1.2
	5	270	93.8	23.90	1.3	89.9	22.96	1.4	86.2	22.13	1.6	81.1	20.31	1.8	76.5	18.46	1.9
	5	405	94.6	24.13	2.5	90.2	23.21	2.6	86.0	22.35	2.7	81.1	20.50	2.9	76.5	18.62	3.0
	10	135	92.9	21.01	2.4	89.4	20.20	2.7	85.9	19.56	3.0	81.1	17.93	3.3	76.5	16.41	3.6
	10	270	93.8	21.38	6.2	89.9	20.45	6.3	86.2	19.78	6.5	81.1	18.02	6.7	76.5	16.50	6.8
	10	405	94.6	21.26	7.4	90.5	20.45	7.5	86.5	19.73	7.6	81.1	17.93	7.8	76.5	16.36	7.9
	15	135	93.2	18.51	7.1	89.9	17.85	7.3	88.2	17.73	7.5	82.3	15.97	8.0	77.2	14.76	8.4
	15	270	93.8	18.88	11.0	89.9	17.91	11.2	88.2	17.73	11.3	82.3	15.75	11.5	77.2	14.51	11.7
	15	405	94.9	18.40	12.3	90.7	17.68	12.4	88.2	17.36	12.5	82.3	15.36	12.6	77.2	14.15	12.8
	20	135	94.0	15.82	11.7	90.2	15.14	12.0	88.2	14.98	12.2	82.3	13.54	12.7	77.2	12.79	13.2
	20	270	95.4	15.95	15.8	90.5	15.28	16.0	88.2	14.98	16.1	82.3	13.54	16.3	77.2	12.30	16.6
	20	405	96.3	15.68	17.1	91.8	15.00	17.3	88.2	14.59	17.4	82.3	12.90	17.5	77.2	11.94	17.7
	25	135	95.2	13.80	16.4	91.6	13.07	16.7	88.2	12.74	17.0	82.3	11.33	17.5	77.2	10.33	17.9
	25	270	96.5	13.83	20.6	91.6	12.79	20.8	88.2	12.48	21.0	82.3	11.08	21.2	77.2	10.33	21.4
	25	405	97.4	13.38	22.0	91.6	12.66	22.2	88.2	12.12	22.3	82.3	11.08	22.5	77.2	9.95	22.6
	30	135	97.1	12.48	21.0	91.6	11.33	21.5	88.2	10.74	21.8	82.3	9.59	22.3	77.2	9.12	22.8
	30	270	97.1	12.23	25.5	91.6	11.08	25.7	88.2	10.63	25.9	82.3	9.59	26.1	77.2	8.84	26.4
	30	405	97.1	11.87	27.0	91.6	11.08	27.2	88.2	10.41	27.2	82.3	9.20	27.4	77.2	8.84	27.6
	35	135	97.1	11.50	25.9	91.6	10.33	26.4	88.2	9.48	26.6	82.3	8.59	27.2	77.2	7.85	27.6
	35	270	97.1	10.97	30.4	91.6	9.84	30.7	88.2	9.37	30.8	82.3	8.37	31.1	77.2	7.63	31.3
	35	405	97.1	10.97	32.0	91.6	9.84	32.1	88.2	9.17	32.2	82.3	8.37	32.4	77.2	7.63	32.5
	40	135	97.1	10.74	30.8	91.6	9.59	31.3	88.2	8.50	31.5	82.3	7.63	32.1	77.2	7.13	32.6
	40	270	97.1	10.24	35.4	91.6	9.12	35.6	88.2	8.39	35.8	82.3	7.38	36.0	77.2	6.91	36.3
	40	405	97.1	9.87	36.9	91.6	9.12	37.1	88.2	8.16	37.2	82.3	7.38	37.3	77.2	6.91	37.5
	45	135	97.1	9.99	35.8	91.6	8.84	36.2	88.2	7.49	36.4	82.3	6.63	37.0	77.2	6.38	37.5
	45	270	97.1	9.48	40.3	91.6	8.37	40.6	88.2	7.38	40.7	82.3	6.38	41.0	77.2	6.16	41.2
	45	405	97.1	8.75	41.9	91.6	8.37	42.1	88.2	7.15	42.1	82.3	6.38	42.3	77.2	6.16	42.5
90	5	135	82.9	21.93	-1.5	80.2	20.71	-1.3	77.7	19.56	-1.2	71.4	17.96	-0.7	65.5	16.11	-0.2
	5	270	83.5	22.33	1.8	79.9	21.11	1.9	77.7	19.93	1.9	71.4	18.34	2.2	65.5	16.43	2.4
	5	405	84.0	22.53	2.8	80.5	21.31	2.9	77.7	20.16	3.0	71.4	18.51	3.1	65.5	16.63	3.3
	10	135	83.5	19.29	3.2	80.5	18.35	3.4	77.7	17.64	3.6	71.4	16.19	4.1	65.5	14.63	4.6
	10	270	83.2	19.35	6.6	80.2	18.44	6.7	77.7	17.70	6.8	71.4	16.14	7.1	65.5	14.66	7.3
	10	405	84.0	19.29	7.7	80.5	18.35	7.8	77.7	17.64	7.9	71.4	16.22	8.0	65.5	14.75	8.2
	15	135	83.8	16.65	7.9	80.7	16.02	8.1	77.7	15.73	8.4	72.8	14.43	8.8	69.2	13.15	9.0
	15	270	83.2	16.36	11.5	80.2	15.77	11.6	77.7	15.47	11.7	72.8	13.94	11.9	69.2	12.89	12.0
	15	405	84.0	16.02	12.6	80.5	15.43	12.7	77.7	15.06	12.8	72.8	13.94	12.9	69.2	12.89	13.0
	20	135	84.3	14.09	12.5	81.0	13.67	12.8	77.7	13.41	13.2	72.8	12.37	13.6	69.2	11.62	13.9
	20	270	84.0	14.09	16.3	80.5	13.50	16.4	79.3	13.41	16.5	72.8	11.88	16.8	69.2	11.10	16.9
	20	405	84.3	13.75	17.5	80.7	13.35	17.6	79.3	13.41	17.7	72.8	11.88	17.8	69.2	11.10	17.9
	25	135	86.0	12.30	17.2	82.1	11.65	17.5	79.3	11.55	17.8	72.8	10.31	18.4	69.2	9.56	18.7
	25	270	86.8	12.19	21.0	82.1	11.53	21.3	79.3	11.31	21.4	72.8	10.05	21.7	69.2	9.27	21.8
	25	405	87.3	11.71	22.3	82.1	11.14	22.5	79.3	11.31	22.6	72.8	10.05	22.8	69.2	9.27	22.9
	30	135	87.1	11.11	21.9	82.1	10.37	22.4	79.3	9.99	22.6	72.8	9.01	23.2	69.2	8.23	23.5
	30	270	87.1	10.88	26.0	82.1	10.11	26.2	79.3	9.75	26.3	72.8	8.78	26.6	69.2	8.23	26.8
	30	405	87.1	10.48	27.3	82.1	9.72	27.4	79.3	9.75	27.5	72.8	8.78	27.7	69.2	7.88	27.8
	35	135	87.1	10.11	26.8	82.1	9.38	27.3	79.3	8.95	27.5	72.8	8.00	28.1	69.2	7.47	28.4
	35	270	87.1	10.31	30.9	82.1	9.09	31.1	79.3	8.69	31.3	72.8	7.74	31.5	69.2	7.47	31.7
	35	405	87.1	9.46	32.3	82.1	9.27	32.4	79.3	8.27	32.5	72.8	7.74	32.7	69.2	7.47	32.8
	40	135	87.1	9.38	31.8	82.1	8.61	32.2	79.3	7.89	32.4	72.8	7.24	33.0	69.2	6.69	33.4
	40	270	87.1	8.84	35.8	82.1	8.35	36.1	79.3	7.62	36.2	72.8	6.95	36.5	69.2	6.46	36.7
	40	405	87.1	8.84	37.2	82.1	8.35	37.4	79.3	7.62	37.5	72.8	6.95	37.7	69.2	6.69	37.8
	45	135	87.1	8.61	36.7	82.1	7.84	37.1	79.3	6.82	37.3	72.8	6.46	38.0	69.2	5.91	38.3
	45	270	87.1	7.84	40.8	82.1	7.59	41.0	79.3	6.59	41.1	72.8	6.20	41.5	69.2	5.68	41.6
	45	405	87.1	9.01	42.2	82.1	7.98	42.4	79.3	6.94	42.4	72.8	6.20	42.6	69.2	5.68	42.8
80	5	135	78.7	18.01	-1.4	73.7	17.01	-1.0	71.6	16.06	-0.9	65.7	14.75	-0.4	60.4	13.23	0.0
	5	270	78.7	18.34	1.8	73.7	17.33	2.0	71.6	16.37	2.1	65.7	15.06	2.3	60.4	13.49	2.5
	5	405	78.7	18.50	2.9	73.7	17.50	3.0	71.6	16.56	3.1	65.7	15.20	3.2	60.4	13.66	3.3
	10	135	78.7	15.84	3.3	73.7	15.07	3.8	71.6	14.49	3.9	65.7	13.30	4.4	60.4	12.01	4.9
	10	270	78.7	15.89	6.7	73.7	15.14	6.9	71.6	14.54	7.0	65.7	13.25	7.2	60.4	12.04	7.4
	10	405	78.7	15.84	7.8	73.7	15.07	7.9	71.6	14.49	8.0	65.7	13.32	8.1	60.4	12.11	8.3
	15	135	78.7	13.67	8.1	73.7	13.16	8.6	71.6	12.92	8.8	66.1	11.85	9.2	62.3	10.80	9.5
	15	270	78.7	13.44	11.5	73.7	12.95	11.8	71.6	12.70	11.9	66.1	11.44	12.1	62.3	10.59	12.3
	15	405	78.7	13.16	12.7	73.7	12.67	12.8	71.6	12.37	12.9	66.1	11.44	13.1	62.3	10.59	13.2
	20	135	78.7	11.57	12.9	73.7	11.22	13.4	71.6	11.01	13.6	66.1	10.16	14.1	62.3	9.54	14.4
	20	270	78.7	11.57	16.4	73.7	11.08	16.7	71.6	11.23	16.8	66.1	9.75	17.0	62.3	9.11	17.2
	20	405	78.7	11.29	17.6	73.7	10.97	17.8	71.6	11.23	17.9	66.1	9.75	18.0	62.3	9.11	18.1
	25	135	79.2	10.10	17.7	74.1	9.57	18.1	71.6	9.49	18.4	66.1	8.47	18.9	62.3	7.85	19.2
	25	270	79.2	10.01	21.3	74.1	9.47	21.6	71.6	9.29	21.7	66.1	8.26	21.9	62.3	7.61	22.1
	25	405	79.2	9.61	22.5	74.1	9.15	22.7	71.6	9.29	22.8	66.1	8.26	23.0	62.3	7.61	23.1
	30	135	79.2	9.12	22.6	74.1	8.52	23.0	71.6	8.20	23.3	66.1	7.40	23.8	62.3	6.76	24.1
	30	270	79.2	8.94	26.3	74.1	8.31	26.5	71.6	8.01	26.6	66.1	7.21	26.9	62.3	6.76	27.1
	30	405	79.2	8.61	27.5	74.1	7.98	27.7	71.6	8.01	27.7	66.1	7.21	27.9	62.3	6.47	28.0
	35	135	79.2	8.31	27.5	74.1	7.70	28.0	71.6	7.35	28.2	66.1	6.57	28.7	62.3	6.14	29.0
	35	270	79.2	8.47	31.2	74.1	7.47	31.5	71.6	7.13	31.6	66.1	6.35	31.8	62.3	6.14	32.0
	35	405	79.2	7.77	32.5	74.1	7.61	32.6	71.6	6.79	32.7	66.1	6.35	32.9	62.3	6.14	33.0
	40	135	79.2	7.70	32.4	74.1	7.07	32.9	71.6	6.48	33.1	66.1	5.95	33.6	62.3	5.50	34.0
	40	270	79.2	7.26	36.2	74.1	6.86	36.4	71.6	6.26	36.5	66.1	5.71	36.8	62.3	5.31	37.0
	40	405	79.2	7.26	37.5	74.1	6.86	37.6	71.6	6.26	37.7	66.1	5.71	37.9	62.3	5.50	38.0
	45	135	79.2	7.26	37.4	74.1	6.86	37.9	71.6	6.26	38.1	66.1	5.71	38.6	62.3	5.50	39.0
	45	270	79.2	7.26	41.2	74.1	6.86	41.4	71.6	6.26	41.5	66.1	5.71	41.8	62.3	5.50	42.0
	45	405	79.2	7.26	42.5	74.1	6.86	42.6	71.6	6.26	42.7	66.1	5.71	42.9	62.3	5.50	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	135	68.4	15.14	-0.7	64.0	14.29	-0.3	62.2	13.49	-0.2	57.1	12.40	0.3	52.4	11.12	0.6
	5	270	68.4	15.41	2.2	64.0	14.57	2.4	62.2	13.75	2.4	57.1	12.66	2.6	52.4	11.34	2.8
	5	405	68.4	15.55	3.1	64.0	14.70	3.3	62.2	13.91	3.3	57.1	12.78	3.4	52.4	11.48	3.6
	10	135	68.4	13.31	4.2	64.0	12.67	4.5	62.2	12.18	4.7	57.1	11.18	5.1	52.4	10.10	5.5
	10	270	68.4	13.35	7.1	64.0	12.72	7.3	62.2	12.22	7.3	57.1	11.14	7.6	52.4	10.12	7.8
	10	405	68.4	13.31	8.1	64.0	12.67	8.2	62.2	12.18	8.2	57.1	11.20	8.4	52.4	10.18	8.5
	15	135	68.4	11.49	9.0	64.0	11.06	9.4	62.2	10.86	9.6	57.4	9.96	10.0	54.1	9.08	10.2
	15	270	68.4	11.29	12.0	64.0	10.88	12.2	62.2	10.68	12.3	57.4	9.62	12.5	54.1	8.90	12.6
	15	405	68.4	11.06	13.0	64.0	10.65	13.1	62.2	10.40	13.2	57.4	9.62	13.3	54.1	8.90	13.4
	20	135	68.4	9.72	13.8	64.0	9.43	14.2	62.2	9.26	14.4	57.4	8.54	14.8	54.1	8.02	15.1
	20	270	68.4	9.72	16.9	64.0	9.31	17.1	62.2	9.44	17.2	57.4	8.20	17.4	54.1	7.66	17.5
	20	405	68.4	9.49	17.9	64.0	9.21	18.1	62.2	9.44	18.1	57.4	8.20	18.3	54.1	7.66	18.4
	25	135	68.7	8.49	18.6	64.3	8.04	19.0	62.2	7.97	19.2	57.4	7.12	19.7	54.1	6.60	20.0
	25	270	68.7	8.41	21.8	64.3	7.96	22.0	62.2	7.81	22.1	57.4	6.94	22.3	54.1	6.40	22.5
	25	405	68.7	8.08	22.9	64.3	7.69	23.0	62.2	7.81	23.1	57.4	6.94	23.2	54.1	6.40	23.3
	30	135	68.7	7.67	23.5	64.3	7.16	23.9	62.2	6.89	24.1	57.4	6.22	24.6	54.1	5.68	24.9
	30	270	68.7	7.51	26.7	64.3	6.98	27.0	62.2	6.73	27.1	57.4	6.06	27.3	54.1	5.68	27.4
	30	405	68.7	7.23	27.8	64.3	6.71	28.0	62.2	6.73	28.0	57.4	6.06	28.2	54.1	5.44	28.3
	35	135	68.7	6.98	28.4	64.3	6.47	28.9	62.2	6.18	29.1	57.4	5.52	29.5	54.1	5.16	29.8
	35	270	68.7	7.12	31.7	64.3	6.27	31.9	62.2	5.99	32.0	57.4	5.34	32.2	54.1	5.16	32.4
	35	405	68.7	6.53	32.8	64.3	6.40	32.9	62.2	5.71	33.0	57.4	5.34	33.2	54.1	5.16	33.3
	40	135	68.7	6.47	33.4	64.3	5.94	33.8	62.2	5.44	34.0	57.4	5.00	34.4	54.1	4.62	34.7
	40	270	68.7	6.10	36.7	64.3	5.76	36.9	62.2	5.26	37.0	57.4	4.80	37.2	54.1	4.46	37.4
	40	405	68.7	6.10	37.8	64.3	5.76	37.9	62.2	5.26	38.0	57.4	4.80	38.1	54.1	4.62	38.2
	45	135	68.7	6.10	38.3	64.3	5.76	38.8	62.2	5.26	39.0	57.4	4.80	39.4	54.1	4.62	39.7
	45	270	68.7	6.10	41.7	64.3	5.76	41.9	62.2	5.26	42.0	57.4	4.80	42.2	54.1	4.62	42.4
	45	405	68.7	6.10	42.8	64.3	5.76	42.9	62.2	5.26	43.0	57.4	4.80	43.1	54.1	4.62	43.2
60	5	135	58.5	12.11	0.1	54.8	11.43	0.4	53.2	10.80	0.5	48.9	9.92	0.9	44.9	8.89	1.2
	5	270	58.5	12.33	2.5	54.8	11.65	2.7	53.2	11.00	2.8	48.9	10.12	2.9	44.9	9.07	3.1
	5	405	58.5	12.44	3.4	54.8	11.76	3.5	53.2	11.13	3.5	48.9	10.22	3.6	44.9	9.18	3.7
	10	135	58.5	10.65	4.9	54.8	10.13	5.3	53.2	9.74	5.4	48.9	8.94	5.8	44.9	8.08	6.1
	10	270	58.5	10.68	7.5	54.8	10.18	7.6	53.2	9.77	7.7	48.9	8.91	7.9	44.9	8.09	8.0
	10	405	58.5	10.65	8.3	54.8	10.13	8.4	53.2	9.74	8.5	48.9	8.96	8.6	44.9	8.14	8.7
	15	135	58.5	9.19	9.8	54.8	8.85	10.1	53.2	8.69	10.3	49.1	7.97	10.6	46.3	7.26	10.9
	15	270	58.5	9.03	12.4	54.8	8.71	12.6	53.2	8.54	12.6	49.1	7.69	12.8	46.3	7.12	12.9
	15	405	58.5	8.85	13.2	54.8	8.52	13.4	53.2	8.32	13.4	49.1	7.69	13.5	46.3	7.12	13.6
	20	135	58.5	7.78	14.6	54.8	7.54	15.0	53.2	7.41	15.1	49.1	6.83	15.5	46.3	6.41	15.8
	20	270	58.5	7.78	17.3	54.8	7.45	17.5	53.2	7.55	17.6	49.1	6.56	17.7	46.3	6.13	17.9
	20	405	58.5	7.59	18.2	54.8	7.37	18.3	53.2	7.55	18.4	49.1	6.56	18.5	46.3	6.13	18.6
	25	135	58.8	6.79	19.5	55.1	6.43	19.8	53.2	6.38	20.0	49.1	5.69	20.4	46.3	5.28	20.6
	25	270	58.8	6.73	22.2	55.1	6.37	22.4	53.2	6.25	22.5	49.1	5.55	22.7	46.3	5.12	22.8
	25	405	58.8	6.46	23.1	55.1	6.15	23.3	53.2	6.25	23.3	49.1	5.55	23.5	46.3	5.12	23.5
	30	135	58.8	6.13	24.4	55.1	5.73	24.8	53.2	5.51	24.9	49.1	4.97	25.3	46.3	4.54	25.6
	30	270	58.8	6.01	27.2	55.1	5.58	27.4	53.2	5.38	27.5	49.1	4.85	27.7	46.3	4.54	27.8
	30	405	58.8	5.79	28.1	55.1	5.36	28.2	53.2	5.38	28.3	49.1	4.85	28.4	46.3	4.35	28.5
	35	135	58.8	5.58	29.3	55.1	5.18	29.7	53.2	4.94	29.9	49.1	4.41	30.3	46.3	4.13	30.5
	35	270	58.8	5.69	32.2	55.1	5.02	32.3	53.2	4.80	32.4	49.1	4.27	32.6	46.3	4.13	32.8
	35	405	58.8	5.22	33.1	55.1	5.12	33.2	53.2	4.57	33.3	49.1	4.27	33.4	46.3	4.13	33.5
	40	135	58.8	5.18	34.3	55.1	4.75	34.7	53.2	4.35	34.8	49.1	4.00	35.2	46.3	3.69	35.5
	40	270	58.8	4.88	37.1	55.1	4.61	37.3	53.2	4.21	37.4	49.1	3.84	37.6	46.3	3.57	37.7
	40	405	58.8	4.88	38.1	55.1	4.61	38.2	53.2	4.21	38.3	49.1	3.84	38.4	46.3	3.69	38.5
	45	135	58.8	4.88	39.3	55.1	4.61	39.6	53.2	4.21	39.8	49.1	3.84	40.2	46.3	3.69	40.5
	45	270	58.8	4.88	42.1	55.1	4.61	42.3	53.2	4.21	42.4	49.1	3.84	42.6	46.3	3.69	42.7
	45	405	58.8	4.88	43.1	55.1	4.61	43.2	53.2	4.21	43.3	49.1	3.84	43.4	46.3	3.69	43.5
50	5	135	48.7	9.70	0.9	45.6	9.16	1.1	44.2	8.65	1.2	40.6	7.94	1.5	37.3	7.12	1.8
	5	270	48.7	9.88	2.9	45.6	9.34	3.1	44.2	8.81	3.1	40.6	8.11	3.3	37.3	7.26	3.4
	5	405	48.7	9.96	3.6	45.6	9.42	3.7	44.2	8.92	3.7	40.6	8.19	3.9	37.3	7.35	3.9
	10	135	48.7	8.53	5.7	45.6	8.12	6.0	44.2	7.80	6.1	40.6	7.16	6.4	37.3	6.47	6.7
	10	270	48.7	8.56	7.9	45.6	8.15	8.0	44.2	7.83	8.1	40.6	7.14	8.2	37.3	6.48	8.4
	10	405	48.7	8.53	8.6	45.6	8.12	8.7	44.2	7.80	8.7	40.6	7.17	8.8	37.3	6.52	8.9
	15	135	48.7	7.36	10.6	45.6	7.09	10.9	44.2	6.96	11.0	40.8	6.38	11.3	38.5	5.82	11.5
	15	270	48.7	7.24	12.8	45.6	6.97	13.0	44.2	6.84	13.0	40.8	6.16	13.2	38.5	5.70	13.3
	15	405	48.7	7.09	13.5	45.6	6.82	13.6	44.2	6.66	13.7	40.8	6.16	13.8	38.5	5.70	13.8
	20	135	48.7	6.23	15.5	45.6	6.04	15.8	44.2	5.93	15.9	40.8	5.47	16.2	38.5	5.14	16.5
	20	270	48.7	6.23	17.7	45.6	5.97	17.9	44.2	6.05	18.0	40.8	5.25	18.1	38.5	4.91	18.2
	20	405	48.7	6.08	18.5	45.6	5.91	18.6	44.2	6.05	18.6	40.8	5.25	18.7	38.5	4.91	18.8
	25	135	48.9	5.44	20.4	45.8	5.15	20.7	44.2	5.11	20.8	40.8	4.56	21.1	38.5	4.23	21.4
	25	270	48.9	5.39	22.7	45.8	5.10	22.8	44.2	5.00	22.9	40.8	4.45	23.1	38.5	4.10	23.2
	25	405	48.9	5.18	23.5	45.8	4.93	23.6	44.2	5.00	23.6	40.8	4.45	23.7	38.5	4.10	23.8
	30	135	48.9	4.91	25.3	45.8	4.59	25.6	44.2	4.42	25.8	40.8	3.98	26.1	38.5	3.64	26.3
	30	270	48.9	4.81	27.7	45.8	4.47	27.8	44.2	4.31	27.9	40.8	3.88	28.0	38.5	3.64	28.1
	30	405	48.9	4.64	28.4	45.8	4.30	28.5	44.2	4.31	28.6	40.8	3.88	28.7	38.5	3.48	28.8
	35	135	48.9	4.47	30.3	45.8	4.15	30.6	44.2	3.96	30.7	40.8	3.54	31.0	38.5	3.31	31.3
	35	270	48.9	4.56	32.6	45.8	4.02	32.8	44.2	3.84	32.9	40.8	3.42	33.0	38.5	3.31	33.1
	35	405	48.9	4.18	33.4	45.8	4.10	33.5	44.2	3.66	33.6	40.8	3.42	33.7	38.5	3.31	33.8
	40	135	48.9	4.15	35.2	45.8	3.81	35.5	44.2	3.49	35.7	40.8	3.20	36.0	38.5	2.96	36.2
	40	270	48.9	3.91	37.6	45.8	3.69	37.8	44.2	3.37	37.8	40.8	3.07	38.0	38.5	2.86	38.1
	40	405	48.9	3.91	38.4	45.8	3.69	38.5	44.2	3.37	38.6	40.8	3.07	38.7	38.5	2.96	38.7
	45	135	48.9	3.91	40.2	45.8	3.69	40.5	44.2	3.37	40.7	40.8	3.07	41.0	38.5	2.96	41.2
	45	270	48.9	3.91	42.6	45.8	3.69	42.8	44.2	3.37	42.8	40.8	3.07	43.0	38.5	2.96	43.1
	45	405	48.9	3.91	43.4	45.8	3.69	43.5	44.2	3.37	43.6	40.8	3.07	43.7	38.5	2.96	43.7

12. Capacity Table

1-11. AM300FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	143	84.6	6.04	19.1	93.0	7.19	20.0	99.9	7.88	20.8	107.2	8.36	21.6	110.1	8.46	21.9
	10	286	84.6	5.60	14.5	93.0	6.65	15.0	99.9	7.51	15.4	107.2	7.89	15.8	110.1	7.89	15.9
	10	429	84.6	5.51	13.0	93.0	6.62	13.3	99.9	7.11	13.6	107.2	7.75	13.8	110.1	7.92	13.9
	15	143	83.1	7.80	24.1	91.5	9.23	25.1	98.4	10.25	25.9	105.4	10.75	26.6	108.3	10.99	27.0
	15	286	83.1	7.27	19.5	91.5	8.56	20.0	98.4	9.55	20.4	105.4	10.05	20.8	108.3	10.27	20.9
	15	429	83.1	7.06	18.0	91.5	8.34	18.3	98.4	9.24	18.6	105.4	9.69	18.8	108.3	9.99	19.0
	20	143	81.9	9.29	29.1	90.3	10.87	30.1	97.2	12.14	31.0	103.9	12.73	31.7	106.8	13.00	32.0
	20	286	81.9	9.11	24.6	90.3	10.71	25.1	97.2	11.97	25.5	103.9	12.58	25.8	106.8	12.82	26.0
	20	429	81.9	8.80	23.0	90.3	10.39	23.4	97.2	11.61	23.6	103.9	12.11	23.9	106.8	12.48	24.0
	25	143	81.9	11.66	34.4	90.3	13.73	35.4	97.2	15.30	36.3	103.9	16.08	37.0	106.8	16.34	37.3
	25	286	81.9	10.90	29.7	90.3	12.82	30.2	97.2	14.26	30.6	103.9	15.02	31.0	106.8	15.26	31.1
	25	429	81.9	10.49	28.1	90.3	12.41	28.4	97.2	13.81	28.7	103.9	14.49	29.0	106.8	14.89	29.1
	30	143	81.9	13.69	39.6	90.3	16.09	40.7	97.2	17.96	41.5	103.9	18.84	42.3	106.8	19.15	42.6
	30	286	81.9	13.46	34.8	90.3	15.83	35.3	97.2	17.62	35.8	103.9	18.56	36.1	106.8	18.93	36.3
	30	429	81.9	13.02	33.2	90.3	15.33	33.5	97.2	17.10	33.8	103.9	17.95	34.1	106.8	18.42	34.2
	35	143	77.4	14.24	44.2	85.5	16.77	45.2	91.9	18.71	46.1	98.6	19.59	46.9	100.9	19.94	47.1
	35	286	77.4	13.97	39.6	85.5	16.50	40.1	91.9	18.38	40.5	98.6	19.31	40.9	100.9	19.72	41.0
	35	429	77.4	13.60	38.0	85.5	15.99	38.4	91.9	17.78	38.7	98.6	18.69	38.9	100.9	19.20	39.0
	40	143	64.7	14.83	48.0	71.3	17.45	48.9	76.8	19.47	49.6	82.2	20.42	50.3	84.6	20.83	50.6
	40	286	65.3	14.58	44.0	71.9	17.19	44.5	77.4	19.11	44.8	82.9	20.11	45.2	85.3	20.55	45.3
	40	429	66.2	14.14	42.7	72.9	16.60	43.0	78.6	18.55	43.2	84.1	19.46	43.5	86.5	20.05	43.6
	45	143	54.0	15.31	51.9	59.3	18.04	52.7	63.7	20.12	53.4	68.3	21.06	54.0	70.1	21.51	54.2
	45	286	54.5	15.06	48.5	59.8	17.73	48.9	64.2	19.74	49.2	68.9	20.82	49.5	70.7	21.23	49.6
	45	429	55.3	14.57	47.3	60.6	17.13	47.6	65.2	19.16	47.8	69.9	20.09	48.0	71.7	20.72	48.1
120	10	143	80.1	5.74	18.6	88.1	6.81	19.5	94.8	7.48	20.3	101.5	7.90	21.0	104.1	8.00	21.2
	10	286	80.1	5.36	14.3	88.1	6.36	14.7	94.8	7.11	15.1	101.5	7.46	15.5	104.1	7.47	15.6
	10	429	80.1	5.11	12.8	88.1	6.27	13.2	94.8	6.71	13.4	101.5	7.34	13.6	104.1	7.57	13.7
	15	143	79.2	7.46	23.7	86.9	8.80	24.6	93.6	9.83	25.4	100.3	10.30	26.1	102.9	10.47	26.4
	15	286	79.2	6.97	19.3	86.9	8.19	19.8	93.6	9.16	20.1	100.3	9.59	20.5	102.9	9.79	20.6
	15	429	79.2	6.73	17.9	86.9	7.97	18.2	93.6	8.82	18.4	100.3	9.27	18.7	102.9	9.56	18.8
	20	143	78.3	8.94	28.7	86.0	10.45	29.7	92.7	11.67	30.5	99.4	12.25	31.2	102.0	12.50	31.5
	20	286	78.3	8.74	24.4	86.0	10.27	24.8	92.7	11.50	25.2	99.4	12.08	25.6	102.0	12.29	25.7
	20	429	78.3	8.49	22.9	86.0	10.01	23.2	92.7	11.14	23.5	99.4	11.64	23.7	102.0	11.98	23.8
	25	143	78.3	11.21	34.0	86.0	13.18	34.9	92.7	14.63	35.8	99.4	15.41	36.5	102.0	15.67	36.8
	25	286	78.3	10.42	29.4	86.0	12.30	29.9	92.7	13.68	30.3	99.4	14.36	30.7	102.0	14.63	30.8
	25	429	78.3	10.04	28.0	86.0	11.86	28.3	92.7	13.24	28.5	99.4	13.89	28.8	102.0	14.23	28.9
	30	143	78.3	13.21	39.2	86.0	15.55	40.2	92.7	17.34	41.0	99.4	18.19	41.8	102.0	18.50	42.1
	30	286	78.3	12.99	34.6	86.0	15.27	35.1	92.7	17.03	35.5	99.4	17.90	35.9	102.0	18.24	36.0
	30	429	78.3	12.56	33.0	86.0	14.80	33.4	92.7	16.51	33.6	99.4	17.36	33.9	102.0	17.77	34.0
	35	143	75.2	13.94	43.9	82.9	16.44	45.0	89.4	18.31	45.8	95.5	19.17	46.5	98.1	19.54	46.8
	35	286	75.2	13.68	39.5	82.9	16.14	40.0	89.4	17.99	40.4	95.5	18.90	40.7	98.1	19.27	40.9
	35	429	75.2	13.28	38.0	82.9	15.67	38.3	89.4	17.40	38.6	95.5	18.28	38.8	98.1	18.78	38.9
	40	143	64.2	14.80	47.9	70.7	17.42	48.8	76.2	19.44	49.6	81.3	20.39	50.2	83.7	20.80	50.5
	40	286	64.7	14.55	44.0	71.3	17.16	44.4	76.8	19.08	44.8	82.0	20.05	45.1	84.4	20.48	45.3
	40	429	65.6	14.10	42.7	72.3	16.63	43.0	77.9	18.52	43.2	83.2	19.46	43.4	85.6	19.95	43.5
	45	143	54.6	15.55	52.0	60.4	18.33	52.9	65.1	20.44	53.6	69.4	21.42	54.1	71.3	21.86	54.3
	45	286	55.0	15.31	48.5	60.9	18.01	49.0	65.7	20.08	49.3	70.0	21.10	49.6	71.9	21.54	49.7
	45	429	55.8	14.79	47.4	61.8	17.47	47.6	66.6	19.47	47.9	71.0	20.46	48.1	72.9	20.91	48.1
110	10	143	75.6	5.39	18.1	83.1	6.43	19.0	89.5	7.08	19.7	95.9	7.48	20.4	98.3	7.57	20.6
	10	286	75.6	5.04	14.0	83.1	5.97	14.5	89.5	6.73	14.8	95.9	7.09	15.2	98.3	7.04	15.3
	10	429	75.6	4.88	12.7	83.1	5.86	13.0	89.5	6.41	13.2	95.9	6.94	13.4	98.3	7.08	13.5
	15	143	75.2	7.15	23.3	82.7	8.45	24.1	89.1	9.42	24.9	95.5	9.87	25.6	98.1	10.07	25.8
	15	286	75.2	6.68	19.1	82.7	7.85	19.5	89.1	8.78	19.9	95.5	9.22	20.3	98.1	9.38	20.4
	15	429	75.2	6.46	17.7	82.7	7.62	18.0	89.1	8.49	18.3	95.5	8.90	18.5	98.1	9.10	18.6
	20	143	75.0	8.63	28.4	82.5	10.12	29.3	88.9	11.30	30.0	95.1	11.84	30.7	97.7	12.08	31.0
	20	286	75.0	8.46	24.2	82.5	9.95	24.6	88.9	11.11	25.0	95.1	11.66	25.4	97.7	11.88	25.5
	20	429	75.0	8.21	22.8	82.5	9.67	23.1	88.9	10.78	23.3	95.1	11.29	23.6	97.7	11.52	23.6
	25	143	75.0	10.78	33.6	82.5	12.68	34.5	88.9	14.11	35.3	95.1	14.81	36.0	97.7	15.08	36.3
	25	286	75.0	10.05	29.3	82.5	11.82	29.7	88.9	13.16	30.1	95.1	13.81	30.5	97.7	14.06	30.6
	25	429	75.0	9.68	27.8	82.5	11.41	28.1	88.9	12.73	28.4	95.1	13.36	28.6	97.7	13.63	28.7
	30	143	75.0	12.86	38.8	82.5	15.12	39.8	88.9	16.87	40.6	95.1	17.69	41.3	97.7	18.02	41.6
	30	286	75.0	12.64	34.4	82.5	14.87	34.9	88.9	16.56	35.3	95.1	17.40	35.6	97.7	17.72	35.8
	30	429	75.0	12.24	32.9	82.5	14.42	33.2	88.9	16.07	33.5	95.1	16.86	33.7	97.7	17.21	33.8
	35	143	73.9	13.83	43.8	81.6	16.29	44.8	87.6	18.16	45.6	94.0	19.01	46.3	96.4	19.39	46.6
	35	286	73.9	13.58	39.4	81.6	16.01	39.9	87.6	17.85	40.3	94.0	18.71	40.7	96.4	19.08	40.8
	35	429	73.9	13.17	37.9	81.6	15.52	38.2	87.6	17.26	38.5	94.0	18.14	38.7	96.4	18.52	38.8
	40	143	64.8	15.11	48.0	71.5	17.79	48.9	76.8	19.82	49.7	82.4	20.79	50.3	84.6	21.20	50.6
	40	286	65.3	14.83	44.0	72.1	17.49	44.5	77.4	19.48	44.9	83.0	20.44	45.2	85.4	20.84	45.3
	40	429	66.3	14.38	42.7	73.1	16.95	43.0	78.6	18.88	43.3	84.2	19.83	43.5	86.6	20.24	43.6
	45	143	57.3	16.26	52.4	63.1	19.14	53.2	67.9	21.33	53.9	72.8	22.36	54.5	74.7	22.81	54.8
	45	286	57.7	15.96	48.7	63.6	18.80	49.1	68.4	20.95	49.5	73.5	22.03	49.8	75.3	22.43	49.9
	45	429	58.6	15.44	47.5	64.5	18.23	47.8	69.4	20.32	48.0	74.5	21.35	48.2	76.4	21.75	48.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	143	70.8	5.09	17.6	78.1	6.00	18.4	84.0	6.68	19.1	90.1	7.01	19.7	92.4	7.14	20.0
	10	286	70.8	4.75	13.8	78.1	5.62	14.2	84.0	6.36	14.5	90.1	6.64	14.8	92.4	6.64	15.0
	10	429	70.8	4.59	12.5	78.1	5.51	12.8	84.0	6.01	13.0	90.1	6.52	13.2	92.4	6.61	13.3
	15	143	70.8	6.80	22.8	78.1	8.00	23.6	84.0	8.92	24.3	90.1	9.36	25.0	92.4	9.53	25.2
	15	286	70.8	6.33	18.9	78.1	7.46	19.3	84.0	8.31	19.6	90.1	8.72	20.0	92.4	8.88	20.1
	15	429	70.8	6.12	17.6	78.1	7.21	17.9	84.0	8.03	18.1	90.1	8.43	18.3	92.4	8.59	18.4
	20	143	70.8	8.19	27.9	78.1	9.65	28.8	84.0	10.75	29.5	90.1	11.28	30.2	92.4	11.49	30.4
	20	286	70.8	8.05	24.0	78.1	9.48	24.4	84.0	10.57	24.7	90.1	11.08	25.1	92.4	11.29	25.2
	20	429	70.8	7.81	22.6	78.1	9.19	22.9	84.0	10.24	23.1	90.1	10.74	23.4	92.4	10.94	23.5
	25	143	70.8	10.21	33.1	78.1	12.02	34.0	84.0	13.39	34.8	90.1	14.05	35.4	92.4	14.31	35.7
	25	286	70.8	9.51	29.0	78.1	11.20	29.5	84.0	12.48	29.8	90.1	13.09	30.2	92.4	13.34	30.3
	25	429	70.8	9.20	27.7	78.1	10.83	28.0	84.0	12.06	28.2	90.1	12.66	28.4	92.4	12.89	28.5
	30	143	70.8	12.27	38.3	78.1	14.45	39.3	84.0	16.09	40.0	90.1	16.88	40.7	92.4	17.20	41.0
	30	286	70.8	12.06	34.2	78.1	14.20	34.6	84.0	15.82	35.0	90.1	16.60	35.3	92.4	16.91	35.5
	30	429	70.8	11.69	32.8	78.1	13.76	33.1	84.0	15.33	33.3	90.1	16.09	33.5	92.4	16.39	33.6
	35	143	70.8	13.33	43.4	78.1	15.70	44.4	84.0	17.49	45.2	90.1	18.35	45.9	92.4	18.69	46.1
	35	286	70.8	13.10	39.2	78.1	15.43	39.7	84.0	17.19	40.1	90.1	18.04	40.4	92.4	18.37	40.6
	35	429	70.8	12.70	37.8	78.1	14.95	38.1	84.0	16.66	38.4	90.1	17.48	38.6	92.4	17.81	38.7
	40	143	63.0	14.77	47.8	69.5	17.39	48.7	74.7	19.38	49.4	80.1	20.33	50.1	82.2	20.71	50.3
	40	286	63.5	14.52	43.9	70.1	17.10	44.4	75.3	19.05	44.7	80.8	19.98	45.1	82.9	20.36	45.2
	40	429	64.4	14.07	42.6	71.1	16.57	42.9	76.4	18.46	43.2	82.0	19.37	43.4	84.1	19.73	43.5
	45	143	56.5	16.08	52.3	62.4	18.93	53.2	67.1	21.09	53.8	72.0	22.13	54.4	73.8	22.54	54.7
	45	286	57.0	15.80	48.6	62.9	18.61	49.1	67.7	20.73	49.4	72.6	21.75	49.7	74.4	22.16	49.8
	45	429	57.8	15.32	47.4	63.8	18.03	47.7	68.6	20.09	48.0	73.6	21.08	48.2	75.5	21.47	48.2
90	10	143	63.9	4.49	16.9	70.5	5.29	17.6	75.8	5.89	18.2	81.3	6.18	18.8	83.4	6.30	19.0
	10	286	63.9	4.41	13.4	70.5	5.20	13.8	75.8	5.79	14.1	81.3	6.08	14.4	83.4	6.19	14.5
	10	429	63.9	4.28	12.3	70.5	5.04	12.5	75.8	5.61	12.7	81.3	5.89	12.9	83.4	6.00	13.0
	15	143	63.9	5.99	22.0	70.5	7.06	22.8	75.8	7.86	23.4	81.3	8.25	24.0	83.4	8.40	24.2
	15	286	63.9	5.89	18.5	70.5	6.94	18.9	75.8	7.73	19.2	81.3	8.11	19.5	83.4	8.26	19.6
	15	429	63.9	5.71	17.3	70.5	6.72	17.6	75.8	7.49	17.8	81.3	7.86	18.0	83.4	8.01	18.1
	20	143	63.9	7.22	27.1	70.5	8.51	27.9	75.8	9.48	28.5	81.3	9.94	29.1	83.4	10.13	29.4
	20	286	63.9	7.10	23.6	70.5	8.36	24.0	75.8	9.32	24.3	81.3	9.77	24.6	83.4	9.96	24.7
	20	429	63.9	6.88	22.4	70.5	8.10	22.6	75.8	9.03	22.8	81.3	9.47	23.0	83.4	9.65	23.1
	25	143	63.9	9.00	32.3	70.5	10.60	33.1	75.8	11.81	33.8	81.3	12.39	34.4	83.4	12.62	34.6
	25	286	63.9	8.85	28.6	70.5	10.42	29.1	75.8	11.61	29.4	81.3	12.18	29.7	83.4	12.41	29.8
	25	429	63.9	8.58	27.4	70.5	10.10	27.7	75.8	11.25	27.9	81.3	11.80	28.1	83.4	12.02	28.2
	30	143	63.9	10.82	37.5	70.5	12.74	38.3	75.8	14.19	39.0	81.3	14.89	39.6	83.4	15.17	39.9
	30	286	63.9	10.63	33.7	70.5	12.52	34.2	75.8	13.95	34.5	81.3	14.64	34.8	83.4	14.91	34.9
	30	429	63.9	10.31	32.5	70.5	12.14	32.8	75.8	13.52	33.0	81.3	14.18	33.2	83.4	14.45	33.3
	35	143	63.9	11.76	42.6	70.5	13.84	43.5	75.8	15.42	44.1	81.3	16.18	44.8	83.4	16.48	45.0
	35	286	63.9	11.56	38.8	70.5	13.61	39.2	75.8	15.16	39.6	81.3	15.90	39.9	83.4	16.20	40.0
	35	429	63.9	11.20	37.5	70.5	13.19	37.8	75.8	14.69	38.0	81.3	15.41	38.2	83.4	15.70	38.3
	40	143	56.8	13.02	47.0	62.7	15.34	47.8	67.4	17.09	48.5	72.3	17.93	49.0	74.2	18.26	49.3
	40	286	57.3	12.80	43.5	63.3	15.07	43.9	68.0	16.80	44.2	72.9	17.62	44.5	74.8	17.95	44.6
	40	429	58.1	12.41	42.4	64.2	14.61	42.6	69.0	16.28	42.8	74.0	17.08	43.0	75.9	17.40	43.1
	45	143	51.0	14.18	51.5	56.3	16.69	52.3	60.5	18.60	52.9	64.9	19.51	53.5	66.6	19.88	53.7
	45	286	51.5	13.94	48.3	56.8	16.41	48.7	61.1	18.28	49.0	65.5	19.18	49.2	67.2	19.54	49.3
	45	429	52.2	13.51	47.2	57.6	15.90	47.5	61.9	17.72	47.7	66.4	18.59	47.8	68.1	18.94	47.9
80	10	143	56.7	3.73	16.1	62.6	4.39	16.7	67.3	4.89	17.2	72.2	5.13	17.8	74.0	5.23	17.9
	10	286	56.7	3.66	13.0	62.6	4.32	13.4	67.3	4.81	13.6	72.2	5.04	13.9	74.0	5.14	14.0
	10	429	56.7	3.55	12.0	62.6	4.18	12.2	67.3	4.66	12.4	72.2	4.89	12.6	74.0	4.98	12.6
	15	143	56.7	4.98	21.2	62.6	5.86	21.9	67.3	6.53	22.4	72.2	6.85	22.9	74.0	6.98	23.1
	15	286	56.7	4.89	18.1	62.6	5.76	18.4	67.3	6.42	18.7	72.2	6.73	19.0	74.0	6.86	19.1
	15	429	56.7	4.74	17.1	62.6	5.58	17.3	67.3	6.22	17.5	72.2	6.52	17.6	74.0	6.65	17.7
	20	143	56.7	6.00	26.3	62.6	7.06	27.0	67.3	7.87	27.5	72.2	8.25	28.1	74.0	8.41	28.3
	20	286	56.7	5.90	23.1	62.6	6.94	23.5	67.3	7.73	23.8	72.2	8.11	24.0	74.0	8.27	24.1
	20	429	56.7	5.71	22.1	62.6	6.73	22.3	67.3	7.50	22.5	72.2	7.86	22.7	74.0	8.01	22.7
	25	143	56.7	7.47	31.4	62.6	8.80	32.2	67.3	9.80	32.7	72.2	10.28	33.3	74.0	10.48	33.5
	25	286	56.7	7.35	28.2	62.6	8.65	28.6	67.3	9.64	28.9	72.2	10.11	29.1	74.0	10.30	29.2
	25	429	56.7	7.12	27.1	62.6	8.38	27.4	67.3	9.34	27.6	72.2	9.80	27.7	74.0	9.98	27.8
	30	143	56.7	8.98	36.6	62.6	10.57	37.3	67.3	11.78	37.9	72.2	12.36	38.5	74.0	12.59	38.7
	30	286	56.7	8.83	33.3	62.6	10.39	33.7	67.3	11.58	34.0	72.2	12.15	34.2	74.0	12.38	34.3
	30	429	56.7	8.56	32.2	62.6	10.07	32.4	67.3	11.22	32.6	72.2	11.77	32.8	74.0	12.00	32.9
	35	143	56.7	9.76	41.7	62.6	11.49	42.4	67.3	12.80	43.0	72.2	13.43	43.6	74.0	13.68	43.8
	35	286	56.7	9.59	38.3	62.6	11.29	38.7	67.3	12.58	39.0	72.2	13.20	39.3	74.0	13.45	39.4
	35	429	56.7	9.30	37.2	62.6	10.95	37.5	67.3	12.20	37.7	72.2	12.79	37.8	74.0	13.03	37.9
	40	143	50.5	10.81	46.1	55.7	12.73	46.9	59.9	14.18	47.4	64.2	14.88	47.9	65.8	15.16	48.1
	40	286	50.9	10.63	43.1	56.2	12.51	43.4	60.4	13.94	43.7	64.8	14.63	44.0	66.4	14.90	44.1
	40	429	51.6	10.30	42.1	57.0	12.13	42.3	61.2	13.51	42.5	65.7	14.18	42.7	67.4	14.44	42.7
	45	143	45.3	11.77	50.7	50.0	13.86	51.4	53.8	15.44	51.9	57.7	16.20	52.4	59.1	16.50	52.6
	45	286	45.7	11.57	47.9	50.4	13.62	48.2	54.2	15.18	48.5	58.1	15.92	48.7	59.6	16.22	48.8
	45	429	46.3	11.21	46.9	51.2	13.20	47.2	55.0	14.71	47.3	59.0	15.43	47.5	60.5	15.72	47.5

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	143	49.6	3.12	15.3	54.8	3.67	15.9	58.9	4.09	16.3	63.2	4.29	16.8	64.8	4.37	16.9
	10	286	49.6	3.06	12.6	54.8	3.61	12.9	58.9	4.02	13.2	63.2	4.22	13.4	64.8	4.30	13.5
	10	429	49.6	2.97	11.8	54.8	3.50	11.9	58.9	3.90	12.1	63.2	4.09	12.2	64.8	4.16	12.3
	15	143	49.6	4.16	20.4	54.8	4.90	21.0	58.9	5.46	21.4	63.2	5.73	21.9	64.8	5.83	22.1
	15	286	49.6	4.09	17.7	54.8	4.81	18.0	58.9	5.36	18.2	63.2	5.63	18.4	64.8	5.73	18.5
	15	429	49.6	3.96	16.8	54.8	4.67	17.0	58.9	5.20	17.1	63.2	5.45	17.3	64.8	5.56	17.3
	20	143	49.6	5.01	25.5	54.8	5.90	26.1	58.9	6.58	26.6	63.2	6.90	27.0	64.8	7.03	27.2
	20	286	49.6	4.93	22.7	54.8	5.80	23.0	58.9	6.46	23.3	63.2	6.78	23.5	64.8	6.91	23.6
	20	429	49.6	4.78	21.8	54.8	5.62	22.0	58.9	6.27	22.2	63.2	6.57	22.3	64.8	6.70	22.4
	25	143	49.6	6.25	30.6	54.8	7.36	31.2	58.9	8.19	31.7	63.2	8.60	32.2	64.8	8.76	32.4
	25	286	49.6	6.14	27.8	54.8	7.23	28.1	58.9	8.06	28.4	63.2	8.45	28.6	64.8	8.61	28.7
	25	429	49.6	5.95	26.9	54.8	7.01	27.1	58.9	7.81	27.2	63.2	8.19	27.4	64.8	8.34	27.4
	30	143	49.6	7.51	35.7	54.8	8.84	36.4	58.9	9.85	36.9	63.2	10.33	37.4	64.8	10.52	37.5
	30	286	49.6	7.38	32.9	54.8	8.69	33.2	58.9	9.68	33.4	63.2	10.16	33.7	64.8	10.35	33.8
	30	429	49.6	7.15	31.9	54.8	8.42	32.1	58.9	9.38	32.3	63.2	9.84	32.4	64.8	10.03	32.5
	35	143	49.6	8.16	40.8	54.8	9.60	41.5	58.9	10.70	42.0	63.2	11.23	42.5	64.8	11.44	42.6
	35	286	49.6	8.02	37.9	54.8	9.44	38.2	58.9	10.52	38.5	63.2	11.04	38.7	64.8	11.24	38.8
	35	429	49.6	7.77	36.9	54.8	9.15	37.1	58.9	10.19	37.3	63.2	10.70	37.5	64.8	10.90	37.5
	40	143	44.1	9.04	45.3	48.7	10.64	46.0	52.4	11.86	46.4	56.2	12.44	46.9	57.6	12.67	47.0
	40	286	44.5	8.88	42.7	49.1	10.46	43.0	52.8	11.65	43.2	56.6	12.23	43.5	58.1	12.46	43.5
	40	429	45.2	8.61	41.8	49.8	10.14	42.0	53.6	11.30	42.2	57.5	11.85	42.3	58.9	12.07	42.4
	45	143	39.6	9.84	50.0	43.7	11.58	50.5	47.0	12.90	51.0	50.4	13.54	51.4	51.7	13.79	51.6
	45	286	40.0	9.67	47.5	44.1	11.39	47.8	47.4	12.69	48.0	50.9	13.31	48.2	52.2	13.56	48.3
	45	429	40.5	9.37	46.7	44.7	11.04	46.9	48.1	12.29	47.0	51.6	12.90	47.2	52.9	13.14	47.2
60	10	143	42.4	2.45	14.5	46.8	2.89	15.0	50.3	3.21	15.4	53.9	3.37	15.7	55.3	3.44	15.9
	10	286	42.4	2.41	12.2	46.8	2.84	12.5	50.3	3.16	12.7	53.9	3.31	12.9	55.3	3.38	12.9
	10	429	42.4	2.33	11.5	46.8	2.75	11.7	50.3	3.06	11.8	53.9	3.21	11.9	55.3	3.27	12.0
	15	143	42.4	3.27	19.6	46.8	3.85	20.1	50.3	4.29	20.5	53.9	4.50	20.9	55.3	4.59	21.0
	15	286	42.4	3.21	17.3	46.8	3.79	17.5	50.3	4.22	17.7	53.9	4.42	17.9	55.3	4.51	18.0
	15	429	42.4	3.12	16.5	46.8	3.67	16.7	50.3	4.09	16.8	53.9	4.29	16.9	55.3	4.37	17.0
	20	143	42.4	3.94	24.6	46.8	4.64	25.2	50.3	5.17	25.6	53.9	5.43	25.9	55.3	5.53	26.1
	20	286	42.4	3.87	22.3	46.8	4.56	22.6	50.3	5.08	22.8	53.9	5.33	23.0	55.3	5.43	23.0
	20	429	42.4	3.76	21.5	46.8	4.42	21.7	50.3	4.93	21.8	53.9	5.17	22.0	55.3	5.27	22.0
	25	143	42.4	4.91	29.7	46.8	5.78	30.3	50.3	6.44	30.7	53.9	6.76	31.1	55.3	6.89	31.2
	25	286	42.4	4.83	27.4	46.8	5.68	27.6	50.3	6.33	27.8	53.9	6.64	28.0	55.3	6.77	28.1
	25	429	42.4	4.68	26.6	46.8	5.51	26.7	50.3	6.14	26.9	53.9	6.44	27.0	55.3	6.56	27.1
	30	143	42.4	5.90	34.8	46.8	6.95	35.4	50.3	7.74	35.8	53.9	8.12	36.2	55.3	8.28	36.4
	30	286	42.4	5.80	32.4	46.8	6.83	32.7	50.3	7.61	32.9	53.9	7.98	33.1	55.3	8.13	33.2
	30	429	42.4	5.62	31.6	46.8	6.62	31.8	50.3	7.38	31.9	53.9	7.74	32.1	55.3	7.88	32.1
	35	143	42.4	6.41	39.9	46.8	7.55	40.4	50.3	8.41	40.9	53.9	8.83	41.3	55.3	8.99	41.4
	35	286	42.4	6.30	37.4	46.8	7.42	37.7	50.3	8.27	37.9	53.9	8.68	38.1	55.3	8.84	38.2
	35	429	42.4	6.11	36.6	46.8	7.19	36.8	50.3	8.02	36.9	53.9	8.41	37.1	55.3	8.57	37.1
	40	143	37.7	7.11	44.5	41.6	8.37	45.0	44.7	9.32	45.4	47.9	9.78	45.8	49.2	9.96	45.9
	40	286	38.0	6.98	42.3	41.9	8.22	42.5	45.1	9.16	42.7	48.3	9.61	42.9	49.6	9.79	43.0
	40	429	38.5	6.77	41.5	42.5	7.97	41.7	45.7	8.88	41.8	49.0	9.32	41.9	50.3	9.49	42.0
	45	143	33.8	7.73	49.2	37.3	9.11	49.7	40.1	10.15	50.0	43.0	10.64	50.4	44.1	10.84	50.5
	45	286	34.1	7.60	47.1	37.7	8.95	47.3	40.5	9.97	47.5	43.4	10.46	47.7	44.5	10.66	47.8
	45	429	34.6	7.37	46.4	38.2	8.68	46.6	41.1	9.67	46.7	44.0	10.14	46.8	45.2	10.33	46.9
50	10	143	35.5	1.82	13.7	39.2	2.14	14.1	42.1	2.39	14.5	45.2	2.50	14.8	46.3	2.55	14.9
	10	286	35.5	1.79	11.9	39.2	2.11	12.1	42.1	2.35	12.2	45.2	2.46	12.4	46.3	2.51	12.4
	10	429	35.5	1.73	11.2	39.2	2.04	11.4	42.1	2.27	11.5	45.2	2.39	11.6	46.3	2.43	11.6
	15	143	35.5	2.43	18.8	39.2	2.86	19.2	42.1	3.19	19.5	45.2	3.34	19.9	46.3	3.40	20.0
	15	286	35.5	2.39	16.9	39.2	2.81	17.1	42.1	3.13	17.3	45.2	3.28	17.4	46.3	3.35	17.5
	15	429	35.5	2.31	16.3	39.2	2.72	16.4	42.1	3.03	16.5	45.2	3.18	16.6	46.3	3.24	16.7
	20	143	35.5	2.93	23.9	39.2	3.45	24.3	42.1	3.84	24.6	45.2	4.03	24.9	46.3	4.10	25.1
	20	286	35.5	2.88	21.9	39.2	3.39	22.1	42.1	3.77	22.3	45.2	3.96	22.5	46.3	4.03	22.5
	20	429	35.5	2.79	21.3	39.2	3.28	21.4	42.1	3.66	21.5	45.2	3.84	21.6	46.3	3.91	21.7
	25	143	35.5	3.65	28.9	39.2	4.29	29.4	42.1	4.78	29.7	45.2	5.02	30.0	46.3	5.11	30.2
	25	286	35.5	3.58	27.0	39.2	4.22	27.2	42.1	4.70	27.3	45.2	4.93	27.5	46.3	5.03	27.6
	25	429	35.5	3.47	26.3	39.2	4.09	26.4	42.1	4.56	26.6	45.2	4.78	26.7	46.3	4.87	26.7
	30	143	35.5	4.38	34.0	39.2	5.16	34.4	42.1	5.75	34.8	45.2	6.03	35.1	46.3	6.14	35.3
	30	286	35.5	4.31	32.0	39.2	5.07	32.2	42.1	5.65	32.4	45.2	5.93	32.6	46.3	6.04	32.6
	30	429	35.5	4.17	31.3	39.2	4.92	31.5	42.1	5.48	31.6	45.2	5.75	31.7	46.3	5.85	31.7
	35	143	35.5	4.76	39.0	39.2	5.61	39.5	42.1	6.25	39.8	45.2	6.55	40.2	46.3	6.68	40.3
	35	286	35.5	4.68	37.0	39.2	5.51	37.2	42.1	6.14	37.4	45.2	6.44	37.6	46.3	6.56	37.6
	35	429	35.5	4.54	36.3	39.2	5.34	36.5	42.1	5.95	36.6	45.2	6.24	36.7	46.3	6.36	36.8
	40	143	31.6	5.28	43.7	34.8	6.21	44.1	37.4	6.92	44.4	40.2	7.26	44.8	41.2	7.40	44.9
	40	286	31.8	5.19	41.9	35.1	6.11	42.1	37.8	6.80	42.2	40.5	7.14	42.4	41.5	7.27	42.4
	40	429	32.3	5.03	41.2	35.6	5.92	41.4	38.3	6.59	41.5	41.1	6.92	41.6	42.1	7.05	41.6
	45	143	28.3	5.74	48.4	31.3	6.76	48.8	33.6	7.53	49.1	36.1	7.90	49.4	37.0	8.05	49.5
	45	286	28.6	5.64	46.7	31.5	6.65	46.9	33.9	7.40	47.1	36.4	7.77	47.2	37.3	7.91	47.3
	45	429	29.0	5.47	46.2	32.0	6.44	46.3	34.4	7.18	46.4	36.9	7.53	46.5	37.8	7.67	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	143	113.8	25.11	-3.9	112.0	23.97	-3.8	108.5	23.36	-3.5	101.9	21.64	-3.0	98.2	20.01	-2.8
	5	286	117.1	24.92	0.4	114.4	24.15	0.5	110.6	23.73	0.6	103.6	21.93	0.9	99.6	20.28	1.0
	5	429	118.0	25.80	1.9	115.3	24.95	2.0	111.2	24.17	2.1	104.4	22.40	2.3	100.8	21.05	2.3
	10	143	114.5	22.47	0.8	112.4	21.45	0.9	108.5	21.06	1.2	101.9	19.51	1.7	98.2	18.14	2.0
	10	286	117.1	22.29	5.2	114.4	21.51	5.3	110.6	21.21	5.5	103.6	19.46	5.8	99.6	18.12	5.9
	10	429	118.0	22.74	6.8	115.6	21.98	6.9	111.9	21.33	7.0	104.4	19.59	7.2	100.8	18.49	7.3
	15	143	115.1	20.09	5.5	113.0	19.05	5.6	111.4	19.16	5.8	103.4	17.38	6.4	99.1	16.34	6.7
	15	286	118.6	19.28	10.0	116.2	18.72	10.1	115.0	19.01	10.2	106.9	16.89	10.5	101.9	15.77	10.7
	15	429	119.5	19.97	11.7	118.0	19.38	11.7	117.1	19.01	11.7	108.6	16.84	11.9	104.2	16.46	12.1
	20	143	119.2	18.47	9.9	117.1	17.45	10.0	115.6	17.33	10.2	107.5	15.52	10.8	102.5	15.40	11.3
	20	286	123.0	17.76	14.7	121.0	17.49	14.8	118.8	18.16	15.0	110.9	16.01	15.2	106.1	15.47	15.5
	20	429	123.9	17.96	16.5	122.1	17.39	16.5	121.3	17.45	16.5	112.3	15.68	16.8	107.3	15.47	16.9
	25	143	124.8	17.66	14.3	121.8	16.96	14.5	120.7	16.88	14.6	112.9	15.36	15.2	108.4	14.69	15.6
	25	286	124.8	17.39	19.6	121.8	16.84	19.7	120.7	16.58	19.8	112.9	15.12	20.1	108.4	14.77	20.3
	25	429	124.8	17.03	21.4	121.8	16.18	21.5	120.7	16.22	21.5	112.9	15.23	21.7	108.4	13.84	21.8
	30	143	124.8	17.16	19.2	121.8	16.16	19.4	120.7	16.20	19.5	112.9	14.44	20.1	108.4	14.58	20.6
	30	286	124.8	16.58	24.6	121.8	16.04	24.7	120.7	15.80	24.7	112.9	14.57	25.1	108.4	13.62	25.2
	30	429	124.8	16.22	26.4	121.8	15.39	26.4	120.7	15.41	26.5	112.9	13.61	26.7	108.4	14.19	26.9
	35	143	124.8	16.34	24.1	121.8	15.63	24.4	120.7	15.57	24.5	112.9	13.92	25.1	108.4	13.03	25.4
	35	286	124.8	15.80	29.5	121.8	15.27	29.7	120.7	15.27	29.7	112.9	13.76	30.0	108.4	12.72	30.2
	35	429	124.8	15.80	31.4	121.8	15.00	31.4	120.7	14.84	31.5	112.9	13.37	31.7	108.4	12.40	31.8
	40	143	124.8	15.80	29.1	121.8	15.09	29.3	120.7	15.00	29.4	112.9	13.39	30.0	108.4	12.84	30.4
	40	286	124.8	15.26	34.5	121.8	14.71	34.6	120.7	14.48	34.7	112.9	12.91	35.0	108.4	12.36	35.2
	40	429	124.8	14.84	36.3	121.8	14.35	36.4	120.7	14.48	36.5	112.9	12.91	36.7	108.4	12.36	36.8
	45	143	124.8	15.26	34.0	121.8	14.59	34.2	120.7	14.49	34.4	112.9	12.78	35.0	108.4	12.71	35.4
	45	286	124.8	14.75	39.5	121.8	14.21	39.6	120.7	13.67	39.6	112.9	11.95	39.9	108.4	11.97	40.2
	45	429	124.8	13.91	41.3	121.8	13.67	41.4	120.7	14.10	41.4	112.9	12.31	41.6	108.4	12.37	41.8
120	5	143	108.4	24.91	-3.4	106.6	23.87	-3.3	103.1	23.19	-3.0	97.1	21.33	-2.6	92.9	19.71	-2.3
	5	286	111.1	25.26	0.7	108.7	24.35	0.8	104.4	23.73	1.0	98.2	21.78	1.2	94.1	19.94	1.3
	5	429	112.0	25.49	2.1	107.8	24.62	2.2	105.0	24.17	2.3	98.8	22.21	2.4	94.6	20.37	2.5
	10	143	109.0	22.29	1.3	107.0	21.36	1.4	103.1	20.92	1.8	97.1	19.23	2.2	92.9	17.87	2.5
	10	286	111.1	22.59	5.6	108.7	21.69	5.6	104.4	21.21	5.8	98.2	19.32	6.0	94.1	17.82	6.2
	10	429	112.0	22.47	7.0	108.1	21.69	7.1	105.6	21.33	7.2	98.8	19.43	7.3	94.6	17.89	7.4
	15	143	109.6	19.73	6.0	107.3	18.87	6.1	105.9	18.86	6.3	98.6	17.12	6.8	93.8	16.07	7.2
	15	286	112.0	19.91	10.4	109.9	19.05	10.4	108.3	19.01	10.5	100.9	16.89	10.8	95.7	15.55	11.0
	15	429	112.9	19.46	11.9	109.9	18.78	12.0	109.5	19.01	12.0	102.0	16.84	12.2	96.9	15.55	12.3
	20	143	112.6	17.72	10.5	110.5	16.77	10.6	108.6	16.57	10.8	101.2	15.02	11.4	96.0	14.95	11.9
	20	286	115.6	17.52	15.1	113.2	17.13	15.2	110.7	17.70	15.3	103.4	15.47	15.6	98.5	14.59	15.8
	20	429	116.1	17.48	16.7	112.9	16.83	16.8	112.5	16.88	16.8	104.6	15.16	17.0	99.4	14.67	17.2
	25	143	117.3	16.70	14.9	113.8	15.71	15.2	111.9	15.65	15.4	104.6	14.13	15.9	100.2	13.47	16.3
	25	286	117.6	16.46	19.9	113.8	15.62	20.1	111.9	15.56	20.2	104.6	13.86	20.5	100.2	13.55	20.7
	25	429	118.2	15.52	21.6	113.8	15.00	21.7	111.9	15.14	21.8	104.6	14.33	22.0	100.2	12.67	22.1
	30	143	117.9	15.89	19.8	113.8	14.94	20.1	111.9	14.75	20.3	104.6	12.95	20.8	100.2	13.06	21.3
	30	286	117.9	15.38	24.9	113.8	14.58	25.0	111.9	14.48	25.1	104.6	13.05	25.4	100.2	12.17	25.6
	30	429	117.9	14.62	26.5	113.8	14.08	26.7	111.9	14.06	26.7	104.6	12.52	26.9	100.2	12.68	27.1
	35	143	117.9	15.11	24.7	113.8	14.14	25.0	111.9	13.94	25.2	104.6	12.43	25.8	100.2	11.56	26.1
	35	286	117.9	14.23	29.8	113.8	13.61	30.0	111.9	13.39	30.1	104.6	11.99	30.4	100.2	11.07	30.5
	35	429	117.9	13.99	31.5	113.8	13.46	31.6	111.9	13.40	31.7	104.6	11.99	31.9	100.2	11.07	32.0
	40	143	117.9	14.57	29.6	113.8	13.46	29.9	111.9	13.13	30.1	104.6	11.64	30.7	100.2	11.12	31.1
	40	286	117.9	13.45	34.8	113.8	12.84	34.9	111.9	12.58	35.0	104.6	11.18	35.3	100.2	10.63	35.5
	40	429	117.9	13.18	36.5	113.8	12.57	36.6	111.9	12.58	36.7	104.6	11.18	36.9	100.2	10.63	37.0
	45	143	117.9	14.06	34.6	113.8	12.78	34.9	111.9	12.34	35.0	104.6	10.79	35.6	100.2	10.68	36.0
	45	286	117.9	12.64	39.7	113.8	12.04	39.9	111.9	11.77	40.0	104.6	10.25	40.3	100.2	10.19	40.5
	45	429	117.9	12.40	41.5	113.8	11.71	41.6	111.9	11.77	41.7	104.6	10.25	41.8	100.2	10.19	42.0
110	5	143	103.7	25.18	-2.9	101.4	23.97	-2.8	97.7	23.26	-2.5	92.3	21.33	-2.1	87.6	19.71	-1.8
	5	286	105.8	25.36	1.0	102.6	24.35	1.1	98.6	23.73	1.2	92.9	21.78	1.4	88.1	19.94	1.6
	5	429	106.7	25.73	2.3	103.2	24.62	2.4	98.9	23.97	2.5	92.9	21.98	2.6	88.4	20.37	2.7
	10	143	104.3	22.53	1.8	101.7	21.45	2.0	97.7	20.98	2.3	92.3	19.23	2.7	87.6	17.87	3.0
	10	286	105.8	22.68	5.8	102.6	21.69	5.9	98.6	21.21	6.1	92.9	19.32	6.3	88.1	17.82	6.5
	10	429	106.7	22.68	7.2	103.5	21.69	7.3	99.5	21.15	7.4	92.9	19.23	7.5	88.4	17.89	7.6
	15	143	104.6	19.85	6.5	102.0	19.05	6.7	100.3	19.01	6.9	93.7	17.12	7.3	88.3	16.07	7.8
	15	286	106.4	19.73	10.7	103.5	19.05	10.8	101.5	19.01	10.9	94.6	16.89	11.1	89.5	15.55	11.3
	15	429	107.3	19.55	12.1	104.1	18.78	12.1	102.4	18.62	12.2	95.1	16.47	12.4	89.7	15.55	12.5
	20	143	106.7	17.21	11.0	103.8	16.50	11.2	101.8	16.33	11.4	94.6	14.77	12.0	89.5	14.48	12.5
	20	286	109.1	17.14	15.4	105.0	16.59	15.6	102.6	17.08	15.7	96.0	15.00	15.9	90.6	13.90	16.2
	20	429	109.9	17.33	16.9	106.5	16.50	17.0	103.9	16.33	17.1	96.6	14.30	17.3	91.4	13.90	17.4
	25	143	109.6	15.58	15.6	106.2	14.76	15.8	103.6	14.74	16.1	96.6	13.13	16.6	91.7	12.27	17.0
	25	286	110.5	15.49	20.2	106.2	14.52	20.4	103.6	14.47	20.5	96.6	12.89	20.8	91.7	12.30	21.0
	25	429	111.4	15.49	21.8	106.2	14.61	21.9	103.6	14.05	22.0	96.6	13.32	22.2	91.7	11.49	22.3
	30	143	111.1	14.17	20.3	106.2	13.45	20.7	103.6	13.12	20.9	96.6	11.74	21.5	91.7	11.30	21.9
	30	286	111.1	13.93	25.1	106.2	13.19	25.3	103.6	12.85	25.5	96.6	11.78	25.8	91.7	10.69	25.9
	30	429	111.1	13.78	26.7	106.2	12.80	26.9	103.6	12.43	27.0	96.6	10.98	27.1	91.7	11.14	27.3
	35	143	111.1	13.39	25.2	106.2	12.39	25.6	103.6	12.07	25.8	96.6	10.70	26.4	91.7	9.88	26.8
	35	286	111.1	12.85	30.1	106.2	12.15	30.3	103.6	11.77	30.4	96.6	10.50	30.7	91.7	9.61	30.9
	35	429	111.1	12.36	31.7	106.2	11.74	31.8	103.6	11.40	31.9	96.6	10.50	32.1	91.7	9.61	32.3
	40	143	111.1	12.58	30.1	106.2	11.89	30.5	103.6	11.26	30.7	96.6	9.91	31.3	91.7	9.37	31.7
	40	286	111.1	12.06	35.0	106.2	11.35	35.2	103.6	10.71	35.3	96.6	9.67	35.6	91.7	9.16	35.9
	40	429	111.1	11.79	36.7	106.2	10.94	36.8	103.6	10.71	36.9	96.6	9.28	37.1	91.7	8.77	37.2
	45	143	111.1	11.76	35.0	106.2	11.35	35.5	103.6	10.44	35.7	96.6	9.10	36.2	91.7	8.87	36.7
	45	286	111.1	11.25	40.0	106.2	10.55	40.2	103.6	9.63	40.3	96.6	8.77	40.6	91.7	8.67	40.8
	45	429	111.1	11.25	41.7	106.2	10.14	41.8	103.6	10.05	41.9	96.6	8.05	42.0	91.7	7.87	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	143	99.0	25.25	-2.4	95.4	24.28	-2.1	92.0	23.33	-1.9	86.9	21.40	-1.6	82.0	19.46	-1.3
	5	286	100.5	25.70	1.3	96.3	24.69	1.4	92.4	23.80	1.6	86.9	21.84	1.7	82.0	19.85	1.9
	5	429	101.4	25.94	2.5	96.6	24.96	2.6	92.1	24.04	2.7	86.9	22.05	2.8	82.0	20.03	2.9
	10	143	99.6	22.60	2.3	95.7	21.72	2.6	92.0	21.04	2.9	86.9	19.29	3.2	82.0	17.65	3.5
	10	286	100.5	22.99	6.1	96.3	21.99	6.3	92.4	21.28	6.4	86.9	19.37	6.6	82.0	17.74	6.8
	10	429	101.4	22.87	7.4	96.9	21.99	7.5	92.7	21.22	7.6	86.9	19.29	7.7	82.0	17.59	7.8
	15	143	99.9	19.91	7.0	96.3	19.20	7.3	94.5	19.07	7.4	88.2	17.18	7.9	82.7	15.87	8.3
	15	286	100.5	20.30	11.0	96.3	19.26	11.1	94.5	19.07	11.2	88.2	16.94	11.4	82.7	15.60	11.6
	15	429	101.7	19.79	12.3	97.2	19.02	12.4	94.5	18.67	12.5	88.2	16.52	12.6	82.7	15.21	12.7
	20	143	100.8	17.02	11.6	96.6	16.28	11.9	94.5	16.11	12.1	88.2	14.56	12.6	82.7	13.76	13.1
	20	286	102.2	17.16	15.7	96.9	16.43	16.0	94.5	16.11	16.1	88.2	14.56	16.3	82.7	13.22	16.5
	20	429	103.1	16.86	17.1	98.4	16.14	17.3	94.5	15.69	17.4	88.2	13.88	17.5	82.7	12.84	17.7
	25	143	101.9	14.84	16.3	98.1	14.06	16.6	94.5	13.70	16.9	88.2	12.18	17.4	82.7	11.11	17.8
	25	286	103.4	14.87	20.6	98.1	13.76	20.8	94.5	13.43	20.9	88.2	11.92	21.2	82.7	11.11	21.4
	25	429	104.3	14.39	22.0	98.1	13.61	22.2	94.5	13.03	22.3	88.2	11.92	22.5	82.7	10.70	22.6
	30	143	104.0	13.43	20.9	98.1	12.18	21.4	94.5	11.55	21.7	88.2	10.31	22.2	82.7	9.81	22.7
	30	286	104.0	13.15	25.4	98.1	11.92	25.7	94.5	11.43	25.8	88.2	10.31	26.1	82.7	9.51	26.3
	30	429	104.0	12.76	27.0	98.1	11.92	27.1	94.5	11.19	27.2	88.2	9.90	27.4	82.7	9.51	27.6
	35	143	104.0	12.37	25.8	98.1	11.11	26.3	94.5	10.20	26.5	88.2	9.24	27.1	82.7	8.44	27.6
	35	286	104.0	11.80	30.4	98.1	10.58	30.6	94.5	10.08	30.8	88.2	9.00	31.0	82.7	8.20	31.3
	35	429	104.0	11.80	31.9	98.1	10.58	32.1	94.5	9.87	32.2	88.2	9.00	32.4	82.7	8.20	32.5
	40	143	104.0	11.55	30.7	98.1	10.31	31.2	94.5	9.14	31.4	88.2	8.20	32.0	82.7	7.67	32.5
	40	286	104.0	11.01	35.3	98.1	9.81	35.6	94.5	9.02	35.7	88.2	7.93	36.0	82.7	7.43	36.2
	40	429	104.0	10.62	36.9	98.1	9.81	37.0	94.5	8.78	37.1	88.2	7.93	37.3	82.7	7.43	37.5
	45	143	104.0	10.74	35.7	98.1	9.51	36.1	94.5	8.06	36.3	88.2	7.13	36.9	82.7	6.86	37.4
	45	286	104.0	10.20	40.3	98.1	9.00	40.5	94.5	7.93	40.7	88.2	6.86	40.9	82.7	6.63	41.2
	45	429	104.0	9.41	41.8	98.1	9.00	42.0	94.5	7.69	42.1	88.2	6.86	42.3	82.7	6.63	42.5
90	5	143	88.8	23.51	-1.5	85.9	22.20	-1.4	83.3	20.96	-1.2	76.5	19.25	-0.7	70.2	17.26	-0.3
	5	286	89.4	23.93	1.7	85.6	22.62	1.8	83.3	21.36	1.9	76.5	19.65	2.2	70.2	17.60	2.4
	5	429	90.0	24.15	2.8	86.2	22.84	2.9	83.3	21.61	2.9	76.5	19.84	3.1	70.2	17.82	3.2
	10	143	89.4	20.67	3.1	86.2	19.67	3.3	83.3	18.91	3.6	76.5	17.36	4.1	70.2	15.68	4.5
	10	286	89.1	20.74	6.6	85.9	19.76	6.7	83.3	18.97	6.8	76.5	17.29	7.0	70.2	15.71	7.3
	10	429	90.0	20.67	7.7	86.2	19.67	7.8	83.3	18.91	7.9	76.5	17.39	8.0	70.2	15.80	8.2
	15	143	89.7	17.84	7.8	86.5	17.17	8.1	83.3	16.86	8.3	78.0	15.46	8.7	74.1	14.10	9.0
	15	286	89.1	17.54	11.4	85.9	16.90	11.5	83.3	16.58	11.7	78.0	14.93	11.8	74.1	13.82	12.0
	15	429	90.0	17.17	12.6	86.2	16.53	12.7	83.3	16.15	12.8	78.0	14.93	12.9	74.1	13.82	13.0
	20	143	90.3	15.10	12.5	86.8	14.65	12.8	83.3	14.38	13.1	78.0	13.26	13.5	74.1	12.45	13.8
	20	286	90.0	15.10	16.2	86.2	14.46	16.4	84.9	14.37	16.5	78.0	12.73	16.7	74.1	11.89	16.9
	20	429	90.3	14.74	17.5	86.5	14.31	17.6	84.9	14.37	17.6	78.0	12.73	17.8	74.1	11.89	17.9
	25	143	92.1	13.18	17.1	88.0	12.48	17.4	84.9	12.38	17.7	78.0	11.05	18.3	74.1	10.25	18.6
	25	286	93.0	13.06	21.0	88.0	12.36	21.2	84.9	12.13	21.4	78.0	10.77	21.6	74.1	9.94	21.8
	25	429	93.6	12.54	22.3	88.0	11.94	22.5	84.9	12.13	22.6	78.0	10.77	22.8	74.1	9.94	22.9
	30	143	93.3	11.91	21.8	88.0	11.11	22.3	84.9	10.70	22.6	78.0	9.66	23.2	74.1	8.82	23.5
	30	286	93.3	11.66	25.9	88.0	10.84	26.1	84.9	10.45	26.3	78.0	9.41	26.6	74.1	8.82	26.7
	30	429	93.3	11.24	27.3	88.0	10.41	27.4	84.9	10.45	27.5	78.0	9.41	27.7	74.1	8.45	27.8
	35	143	93.3	10.84	26.7	88.0	10.05	27.2	84.9	9.59	27.5	78.0	8.57	28.0	74.1	8.01	28.4
	35	286	93.3	11.05	30.9	88.0	9.74	31.1	84.9	9.31	31.2	78.0	8.29	31.5	74.1	8.01	31.7
	35	429	93.3	10.14	32.2	88.0	9.94	32.4	84.9	8.87	32.5	78.0	8.29	32.7	74.1	8.01	32.8
	40	143	93.3	10.05	31.7	88.0	9.23	32.1	84.9	8.45	32.3	78.0	7.76	33.0	74.1	7.17	33.3
	40	286	93.3	9.47	35.8	88.0	8.95	36.0	84.9	8.17	36.2	78.0	7.45	36.5	74.1	6.92	36.6
	40	429	93.3	9.47	37.2	88.0	8.95	37.4	84.9	8.17	37.4	78.0	7.45	37.6	74.1	7.17	37.8
	45	143	93.3	9.23	36.6	88.0	8.40	37.0	84.9	7.31	37.2	78.0	6.92	37.9	74.1	6.33	38.2
	45	286	93.3	8.40	40.7	88.0	8.13	41.0	84.9	7.06	41.1	78.0	6.64	41.4	74.1	6.09	41.6
	45	429	93.3	9.66	42.2	88.0	8.56	42.3	84.9	7.44	42.4	78.0	6.64	42.6	74.1	6.09	42.7
80	5	143	84.4	19.32	-1.5	79.0	18.24	-1.1	76.1	17.29	-0.9	70.5	15.82	-0.5	64.7	14.19	-0.1
	5	286	84.4	19.67	1.8	79.0	18.59	2.0	76.1	17.63	2.1	70.5	16.15	2.3	64.7	14.47	2.5
	5	429	84.4	19.84	2.8	79.0	18.76	3.0	76.1	17.83	3.1	70.5	16.30	3.2	64.7	14.64	3.3
	10	143	84.4	16.99	3.2	79.0	16.16	3.7	76.1	15.60	3.9	70.5	14.26	4.4	64.7	12.88	4.8
	10	286	84.4	17.04	6.6	79.0	16.24	6.9	76.1	15.69	7.0	70.5	14.21	7.2	64.7	12.91	7.4
	10	429	84.4	16.99	7.7	79.0	16.16	7.9	76.2	15.64	8.0	70.5	14.29	8.1	64.7	12.99	8.3
	15	143	84.4	14.66	8.0	79.0	14.11	8.5	76.7	13.98	8.7	70.8	12.71	9.2	66.8	11.58	9.5
	15	286	84.4	14.41	11.5	79.0	13.89	11.7	76.7	13.82	11.8	70.8	12.27	12.1	66.8	11.35	12.2
	15	429	84.4	14.11	12.7	79.0	13.59	12.8	76.7	13.48	12.9	70.8	12.27	13.0	66.8	11.35	13.1
	20	143	84.4	12.41	12.8	79.0	12.03	13.3	76.7	11.89	13.5	70.8	10.89	14.0	66.8	10.23	14.3
	20	286	84.4	12.41	16.4	79.0	11.88	16.6	76.7	12.04	16.8	70.8	10.46	17.0	66.8	9.77	17.1
	20	429	84.4	12.11	17.6	79.0	11.76	17.8	76.7	11.95	17.8	70.8	10.46	18.0	66.8	9.77	18.1
	25	143	84.9	10.83	17.6	79.4	10.26	18.1	76.7	10.19	18.3	70.8	9.08	18.8	66.8	8.42	19.2
	25	286	84.9	10.73	21.3	79.4	10.16	21.5	76.7	9.99	21.7	70.8	8.85	21.9	66.8	8.16	22.1
	25	429	84.9	10.31	22.5	79.4	9.81	22.7	76.7	9.90	22.8	70.8	8.85	22.9	66.8	8.16	23.0
	30	143	84.9	9.78	22.5	79.4	9.13	23.0	76.7	8.74	23.2	70.8	7.93	23.7	66.8	7.25	24.0
	30	286	84.9	9.58	26.2	79.4	8.91	26.5	76.7	8.57	26.6	70.8	7.73	26.8	66.8	7.25	27.0
	30	429	84.9	9.23	27.5	79.4	8.56	27.6	76.7	8.52	27.7	70.8	7.73	27.9	66.8	6.94	28.0
	35	143	84.9	8.91	27.4	79.4	8.26	27.9	76.7	7.80	28.1	70.8	7.04	28.6	66.8	6.58	29.0
	35	286	84.9	9.08	31.2	79.4	8.01	31.4	76.7	7.61	31.5	70.8	6.81	31.8	66.8	6.58	32.0
	35	429	84.9	8.33	32.4	79.4	8.16	32.6	76.7	7.31	32.7	70.8	6.81	32.9	66.8	6.58	33.0
	40	143	84.9	8.26	32.3	79.4	7.58	32.8	76.7	6.91	33.0	70.8	6.38	33.5	66.8	5.89	33.9
	40	286	84.9	7.78	36.1	79.4	7.36	36.4	76.7	6.72	36.5	70.8	6.12	36.8	66.8	5.69	36.9
	40	429	84.9	7.78	37.4	79.4	7.36	37.6	76.7	6.67	37.7	70.8	6.12	37.8	66.8	5.89	38.0
	45	143	84.9	7.78	37.3	79.4	7.36	37.8	76.7	6.50	38.0	70.8	6.12	38.5	66.8	5.89	38.9
	45	286	84.9	7.78	41.1	79.4	7.36	41.4	76.7	6.47	41.5	70.8	6.12	41.8	66.8	5.89	41.9
	45	429	84.9	7.78	42.4	79.4	7.36	42.6	76.7	6.41	42.7	70.8	6.12	42.8	66.8	5.89	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	143	73.3	16.23	-0.7	68.6	15.33	-0.3	66.6	14.47	-0.2	61.2	13.29	0.2	56.2	11.92	0.6
	5	286	73.3	16.52	2.2	68.6	15.62	2.3	66.6	14.75	2.4	61.2	13.57	2.6	56.2	12.16	2.8
	5	429	73.3	16.67	3.1	68.6	15.77	3.2	66.6	14.92	3.3	61.2	13.70	3.4	56.2	12.31	3.5
	10	143	73.3	14.27	4.1	68.6	13.58	4.5	66.6	13.06	4.6	61.2	11.98	5.1	56.2	10.83	5.5
	10	286	73.3	14.32	7.0	68.6	13.64	7.2	66.6	13.10	7.3	61.2	11.94	7.5	56.2	10.85	7.7
	10	429	73.3	14.27	8.0	68.6	13.58	8.2	66.6	13.06	8.2	61.2	12.01	8.4	56.2	10.91	8.5
	15	143	73.3	12.32	8.9	68.6	11.86	9.3	66.6	11.64	9.5	61.5	10.68	9.9	57.9	9.73	10.2
	15	286	73.3	12.11	11.9	68.6	11.67	12.1	66.6	11.45	12.2	61.5	10.31	12.4	57.9	9.54	12.6
	15	429	73.3	11.86	12.9	68.6	11.42	13.1	66.6	11.15	13.1	61.5	10.31	13.3	57.9	9.54	13.4
	20	143	73.3	10.43	13.7	68.6	10.11	14.1	66.6	9.93	14.3	61.5	9.15	14.8	57.9	8.60	15.1
	20	286	73.3	10.43	16.9	68.6	9.99	17.1	66.6	10.12	17.2	61.5	8.79	17.4	57.9	8.21	17.5
	20	429	73.3	10.18	17.9	68.6	9.88	18.0	66.6	10.12	18.1	61.5	8.79	18.2	57.9	8.21	18.3
	25	143	73.7	9.10	18.5	68.9	8.62	19.0	66.6	8.55	19.2	61.5	7.63	19.6	57.9	7.07	19.9
	25	286	73.7	9.02	21.8	68.9	8.54	22.0	66.6	8.37	22.1	61.5	7.44	22.3	57.9	6.86	22.4
	25	429	73.7	8.66	22.8	68.9	8.24	23.0	66.6	8.37	23.1	61.5	7.44	23.2	57.9	6.86	23.3
	30	143	73.7	8.22	23.4	68.9	7.67	23.9	66.6	7.39	24.1	61.5	6.67	24.5	57.9	6.09	24.8
	30	286	73.7	8.05	26.7	68.9	7.48	26.9	66.6	7.21	27.0	61.5	6.50	27.2	57.9	6.09	27.4
	30	429	73.7	7.76	27.8	68.9	7.19	27.9	66.6	7.21	28.0	61.5	6.50	28.2	57.9	5.83	28.3
	35	143	73.7	7.48	28.4	68.9	6.94	28.8	66.6	6.62	29.0	61.5	5.92	29.4	57.9	5.53	29.7
	35	286	73.7	7.63	31.7	68.9	6.73	31.9	66.6	6.43	32.0	61.5	5.72	32.2	57.9	5.53	32.4
	35	429	73.7	7.00	32.8	68.9	6.86	32.9	66.6	6.12	33.0	61.5	5.72	33.1	57.9	5.53	33.2
	40	143	73.7	6.94	33.3	68.9	6.37	33.7	66.6	5.84	33.9	61.5	5.36	34.4	57.9	4.95	34.7
	40	286	73.7	6.54	36.6	68.9	6.18	36.9	66.6	5.64	36.9	61.5	5.15	37.2	57.9	4.78	37.3
	40	429	73.7	6.54	37.8	68.9	6.18	37.9	66.6	5.64	38.0	61.5	5.15	38.1	57.9	4.95	38.2
	45	143	73.7	6.54	38.3	68.9	6.18	38.7	66.6	5.64	38.9	61.5	5.15	39.4	57.9	4.95	39.7
	45	286	73.7	6.54	41.6	68.9	6.18	41.9	66.6	5.64	41.9	61.5	5.15	42.2	57.9	4.95	42.3
	45	429	73.7	6.54	42.8	68.9	6.18	42.9	66.6	5.64	43.0	61.5	5.15	43.1	57.9	4.95	43.2
60	5	143	62.7	12.98	0.0	58.7	12.26	0.3	57.0	11.58	0.4	52.3	10.63	0.8	48.1	9.54	1.1
	5	286	62.7	13.22	2.5	58.7	12.50	2.7	57.0	11.80	2.7	52.3	10.86	2.9	48.1	9.72	3.1
	5	429	62.7	13.34	3.4	58.7	12.61	3.5	57.0	11.94	3.5	52.3	10.96	3.6	48.1	9.84	3.7
	10	143	62.7	11.42	4.9	58.7	10.87	5.2	57.0	10.45	5.3	52.3	9.59	5.7	48.1	8.66	6.1
	10	286	62.7	11.45	7.4	58.7	10.92	7.6	57.0	10.48	7.7	52.3	9.55	7.9	48.1	8.68	8.0
	10	429	62.7	11.42	8.3	58.7	10.87	8.4	57.0	10.45	8.4	52.3	9.60	8.6	48.1	8.73	8.7
	15	143	62.7	9.86	9.7	58.7	9.49	10.1	57.0	9.31	10.2	52.6	8.54	10.6	49.6	7.79	10.8
	15	286	62.7	9.69	12.3	58.7	9.33	12.5	57.0	9.16	12.6	52.6	8.25	12.8	49.6	7.63	12.9
	15	429	62.7	9.49	13.2	58.7	9.13	13.3	57.0	8.92	13.4	52.6	8.25	13.5	49.6	7.63	13.6
	20	143	62.7	8.34	14.6	58.7	8.09	14.9	57.0	7.94	15.1	52.6	7.32	15.5	49.6	6.88	15.7
	20	286	62.7	8.34	17.3	58.7	7.99	17.5	57.0	8.10	17.5	52.6	7.03	17.7	49.6	6.57	17.8
	20	429	62.7	8.14	18.2	58.7	7.91	18.3	57.0	8.10	18.4	52.6	7.03	18.5	49.6	6.57	18.6
	25	143	63.0	7.28	19.4	59.0	6.90	19.8	57.0	6.84	20.0	52.6	6.11	20.3	49.6	5.66	20.6
	25	286	63.0	7.22	22.2	59.0	6.83	22.4	57.0	6.70	22.5	52.6	5.95	22.7	49.6	5.49	22.8
	25	429	63.0	6.93	23.1	59.0	6.59	23.2	57.0	6.70	23.3	52.6	5.95	23.4	49.6	5.49	23.5
	30	143	63.0	6.58	24.3	59.0	6.14	24.7	57.0	5.91	24.9	52.6	5.33	25.3	49.6	4.87	25.5
	30	286	63.0	6.44	27.2	59.0	5.99	27.3	57.0	5.77	27.4	52.6	5.20	27.6	49.6	4.87	27.8
	30	429	63.0	6.21	28.1	59.0	5.75	28.2	57.0	5.77	28.3	52.6	5.20	28.4	49.6	4.67	28.5
	35	143	63.0	5.99	29.3	59.0	5.55	29.6	57.0	5.30	29.8	52.6	4.73	30.2	49.6	4.43	30.5
	35	286	63.0	6.11	32.1	59.0	5.38	32.3	57.0	5.14	32.4	52.6	4.58	32.6	49.6	4.43	32.7
	35	429	63.0	5.60	33.1	59.0	5.49	33.2	57.0	4.90	33.3	52.6	4.58	33.4	49.6	4.43	33.5
	40	143	63.0	5.55	34.2	59.0	5.10	34.6	57.0	4.67	34.8	52.6	4.29	35.2	49.6	3.96	35.4
	40	286	63.0	5.23	37.1	59.0	4.94	37.3	57.0	4.51	37.4	52.6	4.12	37.6	49.6	3.82	37.7
	40	429	63.0	5.23	38.1	59.0	4.94	38.2	57.0	4.51	38.2	52.6	4.12	38.4	49.6	3.96	38.5
	45	143	63.0	5.23	39.2	59.0	4.94	39.6	57.0	4.51	39.7	52.6	4.12	40.1	49.6	3.96	40.4
	45	286	63.0	5.23	42.1	59.0	4.94	42.3	57.0	4.51	42.4	52.6	4.12	42.6	49.6	3.96	42.7
	45	429	63.0	5.23	43.1	59.0	4.94	43.2	57.0	4.51	43.2	52.6	4.12	43.4	49.6	3.96	43.5
50	5	143	52.1	10.39	0.8	48.5	9.80	1.1	47.0	9.30	1.2	43.5	8.54	1.5	40.4	7.69	1.7
	5	286	52.1	10.58	2.9	48.7	9.98	3.1	47.0	9.48	3.1	43.5	8.72	3.3	40.4	7.85	3.4
	5	429	52.1	10.67	3.6	48.7	10.08	3.7	47.0	9.59	3.7	43.5	8.80	3.8	40.4	7.93	3.9
	10	143	52.1	9.14	5.7	48.6	8.71	6.0	47.0	8.39	6.1	43.5	7.70	6.4	40.4	6.98	6.7
	10	286	52.1	9.17	7.8	48.7	8.77	8.0	47.0	8.44	8.1	43.5	7.69	8.2	40.4	7.00	8.3
	10	429	52.1	9.14	8.6	48.8	8.74	8.7	47.1	8.41	8.7	43.5	7.71	8.8	40.4	7.01	8.9
	15	143	52.1	7.89	10.6	48.7	7.63	10.9	47.4	7.52	11.0	43.9	6.86	11.3	41.3	6.28	11.5
	15	286	52.1	7.75	12.8	48.7	7.56	12.9	47.4	7.43	13.0	43.9	6.67	13.1	41.3	6.16	13.2
	15	429	52.1	7.59	13.5	48.8	7.41	13.6	47.4	7.25	13.7	43.9	6.62	13.8	41.3	6.11	13.8
	20	143	52.1	6.68	15.4	48.7	6.50	15.8	47.4	6.39	15.9	43.9	5.86	16.2	41.3	5.51	16.4
	20	286	52.1	6.68	17.7	48.8	6.46	17.9	47.4	6.48	17.9	43.9	5.70	18.1	41.3	5.28	18.2
	20	429	52.1	6.51	18.5	49.0	6.38	18.6	47.4	6.43	18.6	43.9	5.61	18.7	41.3	5.23	18.8
	25	143	52.4	5.83	20.3	49.1	5.56	20.6	47.4	5.48	20.8	43.9	4.89	21.1	41.3	4.51	21.3
	25	286	52.4	5.77	22.7	49.1	5.49	22.8	47.4	5.37	22.9	43.9	4.77	23.0	41.3	4.42	23.2
	25	429	52.4	5.55	23.4	49.1	5.34	23.5	47.4	5.32	23.6	43.9	4.77	23.7	41.3	4.36	23.8
	30	143	52.4	5.26	25.3	49.1	4.91	25.6	47.4	4.71	25.7	43.9	4.23	26.0	41.3	3.91	26.2
	30	286	52.4	5.16	27.6	49.1	4.79	27.8	47.4	4.61	27.9	43.9	4.15	28.0	41.3	3.88	28.1
	30	429	52.4	4.97	28.4	49.1	4.66	28.5	47.4	4.58	28.6	43.9	4.15	28.7	41.3	3.76	28.7
	35	143	52.4	4.79	30.2	49.1	4.45	30.5	47.4	4.20	30.7	43.9	3.90	31.0	41.3	3.50	31.2
	35	286	52.4	4.89	32.6	49.1	4.29	32.8	47.4	4.11	32.8	43.9	3.81	33.0	41.3	3.50	33.1
	35	429	52.4	4.48	33.4	49.1	4.35	33.5	47.4	3.98	33.5	43.9	3.81	33.7	41.3	3.50	33.7
	40	143	52.4	4.44	35.2	49.1	4.10	35.5	47.4	3.85	35.6	43.9	3.65	36.0	41.3	3.24	36.2
	40	286	52.4	4.19	37.6	49.1	3.95	37.7	47.4	3.76	37.8	43.9	3.55	38.0	41.3	3.16	38.1
	40	429	52.4	4.19	38.4	49.1	3.95	38.5	47.4	3.76	38.5	43.9	3.55	38.7	41.3	3.24	38.7
	45	143	52.4	4.19	40.2	49.1	3.91	40.5	47.4	3.63	40.6	43.9	3.28	40.9	41.3	3.24	41.2
	45	286	52.4	4.19	42.6	49.1	3.91	42.7	47.4	3.63	42.8	43.9	3.28	43.0	41.3	3.24	43.1
	45	429	52.4	4.19	43.4	49.1	3.91	43.5	47.4	3.63	43.5	43.9	3.28	43.6	41.3	3.24	43.7

12. Capacity Table

1-12. AM320FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	152	90.2	6.58	19.1	99.2	7.83	20.1	106.6	8.58	20.9	114.4	9.11	21.6	117.4	9.21	21.9
	10	304	90.2	6.10	14.5	99.2	7.24	15.0	106.6	8.18	15.4	114.4	8.60	15.8	117.4	8.60	15.9
	10	456	90.2	6.00	13.0	99.2	7.21	13.3	106.6	7.74	13.6	114.4	8.44	13.9	117.4	8.63	14.0
	15	152	88.6	8.49	24.2	97.6	10.05	25.1	105.0	11.17	26.0	112.4	11.71	26.7	115.5	11.97	27.0
	15	304	88.6	7.92	19.6	97.6	9.32	20.0	105.0	10.40	20.4	112.4	10.94	20.8	115.5	11.19	21.0
	15	456	88.6	7.69	18.0	97.6	9.08	18.4	105.0	10.06	18.6	112.4	10.55	18.9	115.5	10.88	19.0
	20	152	87.4	10.12	29.2	96.3	11.84	30.2	103.7	13.22	31.0	110.8	13.86	31.8	113.9	14.16	32.1
	20	304	87.4	9.92	24.6	96.3	11.66	25.1	103.7	13.03	25.5	110.8	13.70	25.9	113.9	13.96	26.0
	20	456	87.4	9.59	23.0	96.3	11.31	23.4	103.7	12.64	23.7	110.8	13.18	23.9	113.9	13.59	24.0
	25	152	87.4	12.70	34.4	96.3	14.96	35.5	103.7	16.66	36.3	110.8	17.51	37.1	113.9	17.80	37.4
	25	304	87.4	11.87	29.7	96.3	13.96	30.2	103.7	15.53	30.6	110.8	16.36	31.0	113.9	16.62	31.2
	25	456	87.4	11.42	28.1	96.3	13.52	28.5	103.7	15.04	28.7	110.8	15.78	29.0	113.9	16.22	29.1
	30	152	87.4	14.91	39.6	96.3	17.52	40.7	103.7	19.56	41.6	110.8	20.51	42.4	113.9	20.86	42.7
	30	304	87.4	14.66	34.8	96.3	17.24	35.4	103.7	19.19	35.8	110.8	20.21	36.2	113.9	20.62	36.3
	30	456	87.4	14.19	33.2	96.3	16.70	33.6	103.7	18.63	33.8	110.8	19.54	34.1	113.9	20.07	34.2
	35	152	82.6	15.51	44.2	91.2	18.27	45.3	98.0	20.37	46.2	105.2	21.34	46.9	107.6	21.72	47.2
	35	304	82.6	15.21	39.6	91.2	17.97	40.1	98.0	20.01	40.6	105.2	21.04	41.0	107.6	21.47	41.1
	35	456	82.6	14.81	38.1	91.2	17.42	38.4	98.0	19.36	38.7	105.2	20.36	38.9	107.6	20.91	39.0
	40	152	69.1	16.15	48.0	76.1	19.01	49.0	81.9	21.20	49.7	87.7	22.24	50.4	90.2	22.69	50.6
	40	304	69.6	15.88	44.0	76.7	18.72	44.5	82.6	20.81	44.9	88.4	21.90	45.2	91.0	22.38	45.3
	40	456	70.6	15.39	42.7	77.8	18.08	43.0	83.8	20.21	43.3	89.7	21.20	43.5	92.3	21.84	43.6
	45	152	57.6	16.67	52.0	63.2	19.64	52.8	68.0	21.91	53.5	72.8	22.94	54.0	74.8	23.42	54.3
	45	304	58.1	16.40	48.5	63.8	19.31	48.9	68.5	21.50	49.2	73.5	22.67	49.5	75.4	23.12	49.6
	45	456	58.9	15.87	47.4	64.7	18.65	47.6	69.5	20.87	47.8	74.5	21.88	48.0	76.5	22.57	48.1
120	10	152	85.4	6.25	18.6	94.0	7.42	19.6	101.1	8.14	20.3	108.3	8.61	21.0	111.0	8.71	21.3
	10	304	85.4	5.84	14.3	94.0	6.93	14.8	101.1	7.74	15.1	108.3	8.12	15.5	111.0	8.13	15.6
	10	456	85.4	5.57	12.9	94.0	6.83	13.2	101.1	7.31	13.4	108.3	7.99	13.7	111.0	8.25	13.7
	15	152	84.5	8.13	23.7	92.7	9.59	24.6	99.8	10.70	25.4	107.0	11.21	26.1	109.8	11.41	26.4
	15	304	84.5	7.59	19.3	92.7	8.92	19.8	99.8	9.97	20.2	107.0	10.45	20.5	109.8	10.66	20.7
	15	456	84.5	7.33	17.9	92.7	8.69	18.2	99.8	9.60	18.4	107.0	10.09	18.7	109.8	10.41	18.8
	20	152	83.5	9.73	28.8	91.8	11.39	29.7	98.9	12.71	30.5	106.0	13.35	31.3	108.8	13.61	31.5
	20	304	83.5	9.52	24.4	91.8	11.18	24.9	98.9	12.53	25.3	106.0	13.16	25.6	108.8	13.38	25.8
	20	456	83.5	9.25	22.9	91.8	10.90	23.2	98.9	12.14	23.5	106.0	12.68	23.7	108.8	13.05	23.8
	25	152	83.5	12.21	34.0	91.8	14.36	35.0	98.9	15.94	35.8	106.0	16.79	36.6	108.8	17.07	36.9
	25	304	83.5	11.35	29.5	91.8	13.40	30.0	98.9	14.90	30.4	106.0	15.64	30.7	108.8	15.94	30.9
	25	456	83.5	10.93	28.0	91.8	12.92	28.3	98.9	14.42	28.6	106.0	15.12	28.8	108.8	15.50	28.9
	30	152	83.5	14.39	39.2	91.8	16.94	40.2	98.9	18.88	41.1	106.0	19.81	41.9	108.8	20.15	42.2
	30	304	83.5	14.15	34.6	91.8	16.63	35.1	98.9	18.55	35.5	106.0	19.50	35.9	108.8	19.87	36.1
	30	456	83.5	13.68	33.1	91.8	16.12	33.4	98.9	17.98	33.7	106.0	18.90	33.9	108.8	19.35	34.0
	35	152	80.2	15.18	44.0	88.5	17.90	45.0	95.3	19.94	45.9	101.8	20.88	46.6	104.6	21.28	46.9
	35	304	80.2	14.90	39.5	88.5	17.58	40.0	95.3	19.59	40.4	101.8	20.58	40.8	104.6	20.99	40.9
	35	456	80.2	14.46	38.0	88.5	17.06	38.3	95.3	18.95	38.6	101.8	19.91	38.8	104.6	20.45	38.9
	40	152	68.4	16.12	48.0	75.4	18.97	48.9	81.3	21.17	49.7	86.8	22.21	50.3	89.2	22.65	50.6
	40	304	69.0	15.85	44.0	76.1	18.69	44.5	82.0	20.78	44.8	87.5	21.83	45.2	90.0	22.31	45.3
	40	456	70.0	15.36	42.7	77.2	18.12	43.0	83.1	20.17	43.2	88.7	21.20	43.5	91.3	21.73	43.6
	45	152	58.2	16.93	52.1	64.4	19.97	53.0	69.5	22.26	53.6	74.1	23.33	54.2	76.0	23.81	54.4
	45	304	58.7	16.67	48.6	65.0	19.62	49.0	70.0	21.87	49.3	74.7	22.98	49.6	76.7	23.46	49.7
	45	456	59.5	16.11	47.4	65.9	19.03	47.7	71.0	21.21	47.9	75.7	22.29	48.1	77.8	22.78	48.2
110	10	152	80.6	5.85	18.2	88.5	7.01	19.0	95.4	7.68	19.7	102.2	8.14	20.4	104.6	8.21	20.6
	10	304	80.6	5.47	14.1	88.5	6.49	14.5	95.4	7.30	14.8	102.2	7.71	15.2	104.6	7.63	15.3
	10	456	80.6	5.30	12.7	88.5	6.38	13.0	95.4	6.98	13.2	102.2	7.54	13.4	104.6	7.72	13.5
	15	152	80.0	7.73	23.3	87.9	9.15	24.2	94.7	10.21	24.9	101.6	10.69	25.6	104.3	10.91	25.9
	15	304	80.0	7.23	19.1	87.9	8.49	19.5	94.7	9.51	19.9	101.6	9.99	20.3	104.3	10.17	20.4
	15	456	80.0	7.00	17.7	87.9	8.25	18.0	94.7	9.21	18.3	101.6	9.64	18.5	104.3	9.88	18.6
	20	152	79.7	9.34	28.4	87.6	10.93	29.3	94.4	12.22	30.1	100.9	12.80	30.7	103.7	13.06	31.0
	20	304	79.7	9.14	24.2	87.6	10.74	24.6	94.4	12.02	25.0	100.9	12.62	25.4	103.7	12.84	25.5
	20	456	79.7	8.87	22.8	87.6	10.46	23.1	94.4	11.66	23.3	100.9	12.21	23.6	103.7	12.47	23.7
	25	152	79.7	11.68	33.6	87.6	13.72	34.6	94.4	15.28	35.3	100.9	16.03	36.0	103.7	16.31	36.3
	25	304	79.7	10.89	29.3	87.6	12.80	29.7	94.4	14.25	30.1	100.9	14.95	30.5	103.7	15.21	30.6
	25	456	79.7	10.47	27.8	87.6	12.36	28.1	94.4	13.79	28.4	100.9	14.47	28.6	103.7	14.77	28.7
	30	152	79.7	13.88	38.8	87.6	16.32	39.8	94.4	18.20	40.6	100.9	19.10	41.3	103.7	19.44	41.6
	30	304	79.7	13.64	34.4	87.6	16.05	34.9	94.4	17.87	35.3	100.9	18.79	35.6	103.7	19.13	35.8
	30	456	79.7	13.20	32.9	87.6	15.57	33.2	94.4	17.34	33.5	100.9	18.19	33.7	103.7	18.60	33.8
	35	152	77.9	14.85	43.7	86.1	17.50	44.8	92.3	19.51	45.5	99.1	20.41	46.3	101.6	20.82	46.5
	35	304	77.9	14.59	39.4	86.1	17.19	39.9	92.3	19.18	40.3	99.1	20.10	40.6	101.6	20.50	40.8
	35	456	77.9	14.15	37.9	86.1	16.68	38.2	92.3	18.53	38.5	99.1	19.49	38.7	101.6	19.92	38.8
	40	152	67.8	16.12	47.9	74.8	18.97	48.8	80.3	21.14	49.6	86.1	22.17	50.2	88.6	22.62	50.5
	40	304	68.4	15.81	44.0	75.4	18.65	44.4	81.0	20.78	44.8	86.8	21.80	45.1	89.4	22.24	45.3
	40	456	69.4	15.33	42.7	76.5	18.08	43.0	82.2	20.14	43.2	88.1	21.16	43.4	90.6	21.63	43.5
	45	152	59.4	17.25	52.2	65.4	20.29	53.1	70.4	22.62	53.8	75.6	23.71	54.4	77.5	24.20	54.6
	45	304	59.9	16.91	48.6	65.9	19.93	49.0	71.0	22.21	49.4	76.2	23.38	49.7	78.2	23.79	49.8
	45	456	60.8	16.34	47.4	66.9	19.34	47.7	72.0	21.55	47.9	77.3	22.66	48.1	79.3	23.08	48.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	152	75.5	5.55	17.6	83.4	6.53	18.5	89.6	7.28	19.1	96.1	7.63	19.8	98.6	7.78	20.0
	10	304	75.5	5.17	13.8	83.4	6.12	14.2	89.6	6.93	14.6	96.1	7.24	14.9	98.6	7.24	15.0
	10	456	75.5	5.00	12.5	83.4	6.00	12.8	89.6	6.55	13.0	96.1	7.10	13.2	98.6	7.20	13.3
	15	152	75.5	7.40	22.8	83.4	8.72	23.7	89.6	9.71	24.4	96.1	10.19	25.0	98.6	10.38	25.3
	15	304	75.5	6.90	18.9	83.4	8.12	19.3	89.6	9.05	19.7	96.1	9.50	20.0	98.6	9.67	20.1
	15	456	75.5	6.67	17.6	83.4	7.85	17.9	89.6	8.75	18.1	96.1	9.18	18.3	98.6	9.35	18.4
	20	152	75.5	8.92	28.0	83.4	10.51	28.9	89.6	11.71	29.6	96.1	12.28	30.2	98.6	12.51	30.5
	20	304	75.5	8.77	24.0	83.4	10.33	24.4	89.6	11.51	24.8	96.1	12.07	25.1	98.6	12.30	25.2
	20	456	75.5	8.50	22.6	83.4	10.01	22.9	89.6	11.15	23.2	96.1	11.70	23.4	98.6	11.92	23.5
	25	152	75.5	11.12	33.2	83.4	13.09	34.1	89.6	14.59	34.8	96.1	15.30	35.5	98.6	15.59	35.8
	25	304	75.5	10.36	29.0	83.4	12.20	29.5	89.6	13.59	29.9	96.1	14.26	30.2	98.6	14.53	30.3
	25	456	75.5	10.02	27.7	83.4	11.79	28.0	89.6	13.14	28.2	96.1	13.78	28.5	98.6	14.04	28.5
	30	152	75.5	13.36	38.4	83.4	15.73	39.3	89.6	17.53	40.1	96.1	18.39	40.8	98.6	18.73	41.1
	30	304	75.5	13.13	34.2	83.4	15.47	34.7	89.6	17.23	35.0	96.1	18.08	35.4	98.6	18.41	35.5
	30	456	75.5	12.73	32.8	83.4	14.99	33.1	89.6	16.70	33.3	96.1	17.52	33.6	98.6	17.85	33.7
	35	152	75.5	14.52	43.5	83.4	17.10	44.5	89.6	19.05	45.2	96.1	19.98	45.9	98.6	20.36	46.2
	35	304	75.5	14.27	39.2	83.4	16.80	39.7	89.6	18.72	40.1	96.1	19.64	40.5	98.6	20.01	40.6
	35	456	75.5	13.83	37.8	83.4	16.29	38.1	89.6	18.15	38.4	96.1	19.04	38.6	98.6	19.39	38.7
	40	152	67.2	16.09	47.9	74.1	18.94	48.8	79.7	21.10	49.5	85.5	22.14	50.1	87.7	22.55	50.4
	40	304	67.7	15.81	43.9	74.8	18.62	44.4	80.4	20.74	44.8	86.2	21.76	45.1	88.4	22.17	45.2
	40	456	68.7	15.33	42.6	75.8	18.05	43.0	81.5	20.11	43.2	87.4	21.09	43.4	89.7	21.49	43.5
	45	152	60.3	17.51	52.3	66.6	20.62	53.2	71.6	22.97	53.9	76.8	24.10	54.5	78.7	24.55	54.7
	45	304	60.8	17.21	48.7	67.1	20.27	49.1	72.2	22.58	49.5	77.4	23.69	49.8	79.4	24.13	49.9
	45	456	61.7	16.68	47.5	68.1	19.64	47.8	73.2	21.88	48.0	78.5	22.96	48.2	80.5	23.39	48.3
90	10	152	68.1	4.88	16.9	75.2	5.74	17.6	80.8	6.40	18.2	86.7	6.71	18.8	88.9	6.84	19.0
	10	304	68.1	4.79	13.4	75.2	5.65	13.8	80.8	6.29	14.1	86.7	6.60	14.4	88.9	6.72	14.5
	10	456	68.1	4.65	12.3	75.2	5.47	12.5	80.8	6.10	12.7	86.7	6.40	12.9	88.9	6.52	13.0
	15	152	68.1	6.51	22.0	75.2	7.67	22.8	80.8	8.54	23.4	86.7	8.96	24.0	88.9	9.13	24.2
	15	304	68.1	6.40	18.5	75.2	7.54	18.9	80.8	8.40	19.2	86.7	8.81	19.5	88.9	8.97	19.6
	15	456	68.1	6.20	17.3	75.2	7.30	17.6	80.8	8.14	17.8	86.7	8.54	18.0	88.9	8.70	18.1
	20	152	68.1	7.85	27.2	75.2	9.24	28.0	80.8	10.29	28.6	86.7	10.80	29.2	88.9	11.00	29.4
	20	304	68.1	7.71	23.6	75.2	9.08	24.0	80.8	10.12	24.3	86.7	10.62	24.6	88.9	10.81	24.7
	20	456	68.1	7.48	22.4	75.2	8.80	22.6	80.8	9.81	22.8	86.7	10.29	23.0	88.9	10.48	23.1
	25	152	68.1	9.78	32.3	75.2	11.51	33.2	80.8	12.82	33.8	86.7	13.45	34.4	88.9	13.71	34.7
	25	304	68.1	9.61	28.7	75.2	11.32	29.1	80.8	12.61	29.4	86.7	13.23	29.7	88.9	13.47	29.8
	25	456	68.1	9.31	27.4	75.2	10.97	27.7	80.8	12.22	27.9	86.7	12.82	28.1	88.9	13.06	28.2
	30	152	68.1	11.75	37.5	75.2	13.83	38.4	80.8	15.41	39.1	86.7	16.17	39.7	88.9	16.47	39.9
	30	304	68.1	11.55	33.8	75.2	13.60	34.2	80.8	15.15	34.5	86.7	15.89	34.8	88.9	16.19	35.0
	30	456	68.1	11.19	32.5	75.2	13.18	32.8	80.8	14.68	33.0	86.7	15.40	33.2	88.9	15.69	33.3
	35	152	68.1	12.77	42.6	75.2	15.03	43.5	80.8	16.75	44.2	86.7	17.57	44.8	88.9	17.90	45.1
	35	304	68.1	12.55	38.8	75.2	14.78	39.2	80.8	16.46	39.6	86.7	17.27	39.9	88.9	17.59	40.0
	35	456	68.1	12.16	37.5	75.2	14.32	37.8	80.8	15.96	38.0	86.7	16.74	38.3	88.9	17.05	38.3
	40	152	60.6	14.14	47.0	66.9	16.66	47.9	71.9	18.56	48.5	77.1	19.47	49.1	79.1	19.83	49.3
	40	304	61.1	13.90	43.5	67.4	16.37	44.0	72.5	18.24	44.3	77.7	19.14	44.6	79.7	19.49	44.7
	40	456	62.0	13.48	42.4	68.4	15.87	42.6	73.5	17.68	42.9	78.9	18.55	43.1	80.9	18.89	43.1
	45	152	54.4	15.40	51.6	60.0	18.13	52.4	64.5	20.20	53.0	69.2	21.19	53.5	71.0	21.59	53.7
	45	304	54.9	15.13	48.3	60.5	17.82	48.7	65.1	19.85	49.0	69.8	20.83	49.3	71.6	21.22	49.4
	45	456	55.6	14.67	47.2	61.4	17.27	47.5	66.0	19.24	47.7	70.8	20.19	47.9	72.6	20.57	47.9
80	10	152	60.6	4.06	16.1	66.9	4.78	16.8	71.9	5.32	17.3	77.1	5.58	17.8	79.1	5.69	18.0
	10	304	60.6	3.99	13.0	66.9	4.70	13.4	71.9	5.23	13.6	77.1	5.49	13.9	79.1	5.59	14.0
	10	456	60.6	3.86	12.0	66.9	4.55	12.2	71.9	5.07	12.4	77.1	5.32	12.6	79.1	5.42	12.7
	15	152	60.6	5.41	21.2	66.9	6.38	21.9	71.9	7.10	22.4	77.1	7.45	23.0	79.1	7.59	23.2
	15	304	60.6	5.32	18.1	66.9	6.27	18.4	71.9	6.98	18.7	77.1	7.33	19.0	79.1	7.46	19.1
	15	456	60.6	5.16	17.1	66.9	6.07	17.3	71.9	6.77	17.5	77.1	7.10	17.6	79.1	7.23	17.7
	20	152	60.6	6.53	26.3	66.9	7.68	27.0	71.9	8.56	27.6	77.1	8.98	28.1	79.1	9.15	28.3
	20	304	60.6	6.41	23.2	66.9	7.55	23.5	71.9	8.42	23.8	77.1	8.83	24.1	79.1	8.99	24.2
	20	456	60.6	6.22	22.1	66.9	7.32	22.3	71.9	8.16	22.5	77.1	8.56	22.7	79.1	8.72	22.8
	25	152	60.6	8.13	31.5	66.9	9.57	32.2	71.9	10.67	32.8	77.1	11.19	33.3	79.1	11.40	33.5
	25	304	60.6	7.99	28.2	66.9	9.41	28.6	71.9	10.48	28.9	77.1	11.00	29.2	79.1	11.21	29.3
	25	456	60.6	7.75	27.1	66.9	9.12	27.4	71.9	10.16	27.6	77.1	10.66	27.8	79.1	10.86	27.8
	30	152	60.6	9.77	36.6	66.9	11.51	37.4	71.9	12.82	38.0	77.1	13.45	38.5	79.1	13.70	38.7
	30	304	60.6	9.60	33.3	66.9	11.31	33.7	71.9	12.60	34.0	77.1	13.22	34.3	79.1	13.47	34.4
	30	456	60.6	9.31	32.2	66.9	10.96	32.4	71.9	12.21	32.6	77.1	12.81	32.8	79.1	13.05	32.9
	35	152	60.6	10.62	41.7	66.9	12.50	42.5	71.9	13.93	43.1	77.1	14.61	43.7	79.1	14.89	43.9
	35	304	60.6	10.44	38.3	66.9	12.29	38.7	71.9	13.69	39.0	77.1	14.36	39.3	79.1	14.63	39.4
	35	456	60.6	10.12	37.2	66.9	11.91	37.5	71.9	13.27	37.7	77.1	13.92	37.9	79.1	14.18	37.9
	40	152	53.9	11.76	46.2	59.5	13.85	46.9	64.0	15.43	47.5	68.6	16.19	48.0	70.3	16.49	48.2
	40	304	54.4	11.56	43.1	60.0	13.62	43.5	64.5	15.17	43.8	69.2	15.92	44.0	70.9	16.21	44.1
	40	456	55.1	11.21	42.1	60.9	13.20	42.3	65.4	14.70	42.5	70.2	15.42	42.7	72.0	15.71	42.8
	45	152	48.4	12.80	50.8	53.4	15.08	51.5	57.4	16.80	52.0	61.6	17.62	52.5	63.2	17.95	52.6
	45	304	48.8	12.59	47.9	53.9	14.82	48.2	57.9	16.51	48.5	62.1	17.32	48.7	63.7	17.65	48.8
	45	456	49.5	12.20	46.9	54.6	14.36	47.2	58.7	16.00	47.3	63.0	16.79	47.5	64.6	17.10	47.6

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	152	52.9	3.38	15.3	58.4	3.98	15.9	62.8	4.44	16.3	67.4	4.66	16.8	69.1	4.74	17.0
	10	304	52.9	3.33	12.7	58.4	3.92	12.9	62.8	4.36	13.2	67.4	4.58	13.4	69.1	4.66	13.5
	10	456	52.9	3.22	11.8	58.4	3.80	12.0	62.8	4.23	12.1	67.4	4.44	12.3	69.1	4.52	12.3
	15	152	52.9	4.52	20.4	58.4	5.32	21.0	62.8	5.92	21.5	67.4	6.22	21.9	69.1	6.33	22.1
	15	304	52.9	4.44	17.7	58.4	5.23	18.0	62.8	5.82	18.2	67.4	6.11	18.5	69.1	6.22	18.6
	15	456	52.9	4.30	16.8	58.4	5.07	17.0	62.8	5.64	17.2	67.4	5.92	17.3	69.1	6.03	17.4
	20	152	52.9	5.44	25.5	58.4	6.41	26.1	62.8	7.14	26.6	67.4	7.49	27.1	69.1	7.63	27.2
	20	304	52.9	5.35	22.7	58.4	6.30	23.1	62.8	7.02	23.3	67.4	7.36	23.5	69.1	7.50	23.6
	20	456	52.9	5.19	21.8	58.4	6.11	22.0	62.8	6.80	22.2	67.4	7.14	22.3	69.1	7.27	22.4
	25	152	52.9	6.78	30.6	58.4	7.99	31.3	62.8	8.90	31.8	67.4	9.33	32.2	69.1	9.51	32.4
	25	304	52.9	6.67	27.8	58.4	7.85	28.1	62.8	8.75	28.4	67.4	9.18	28.6	69.1	9.35	28.7
	25	456	52.9	6.46	26.9	58.4	7.61	27.1	62.8	8.48	27.2	67.4	8.89	27.4	69.1	9.06	27.5
	30	152	52.9	8.15	35.8	58.4	9.60	36.4	62.8	10.69	36.9	67.4	11.22	37.4	69.1	11.43	37.6
	30	304	52.9	8.01	32.9	58.4	9.43	33.2	62.8	10.51	33.5	67.4	11.03	33.7	69.1	11.23	33.8
	30	456	52.9	7.76	31.9	58.4	9.14	32.1	62.8	10.19	32.3	67.4	10.69	32.5	69.1	10.89	32.5
	35	152	52.9	8.86	40.8	58.4	10.43	41.5	62.8	11.62	42.0	67.4	12.19	42.5	69.1	12.42	42.7
	35	304	52.9	8.71	37.9	58.4	10.25	38.2	62.8	11.42	38.5	67.4	11.98	38.7	69.1	12.21	38.8
	35	456	52.9	8.44	36.9	58.4	9.94	37.1	62.8	11.07	37.3	67.4	11.61	37.5	69.1	11.83	37.5
	40	152	47.1	9.81	45.4	52.0	11.55	46.0	55.9	12.87	46.5	59.9	13.51	46.9	61.4	13.76	47.1
	40	304	47.5	9.65	42.7	52.4	11.36	43.0	56.3	12.65	43.3	60.4	13.28	43.5	62.0	13.52	43.6
	40	456	48.2	9.35	41.8	53.2	11.01	42.0	57.1	12.26	42.2	61.3	12.87	42.3	62.9	13.11	42.4
	45	152	42.3	10.68	50.0	46.7	12.58	50.6	50.2	14.01	51.1	53.8	14.70	51.5	55.2	14.97	51.6
	45	304	42.6	10.50	47.5	47.1	12.36	47.8	50.6	13.77	48.0	54.3	14.45	48.2	55.6	14.72	48.3
	45	456	43.2	10.18	46.7	47.7	11.98	46.9	51.3	13.35	47.0	55.0	14.00	47.2	56.4	14.27	47.2
60	10	152	45.2	2.69	14.5	49.9	3.16	15.0	53.6	3.52	15.4	57.5	3.70	15.8	59.0	3.76	15.9
	10	304	45.2	2.64	12.3	49.9	3.11	12.5	53.6	3.46	12.7	57.5	3.63	12.9	59.0	3.70	13.0
	10	456	45.2	2.56	11.5	49.9	3.01	11.7	53.6	3.36	11.8	57.5	3.52	11.9	59.0	3.59	12.0
	15	152	45.2	3.58	19.6	49.9	4.22	20.1	53.6	4.70	20.5	57.5	4.93	20.9	59.0	5.02	21.0
	15	304	45.2	3.52	17.3	49.9	4.15	17.5	53.6	4.62	17.7	57.5	4.85	17.9	59.0	4.94	18.0
	15	456	45.2	3.41	16.5	49.9	4.02	16.7	53.6	4.48	16.8	57.5	4.70	17.0	59.0	4.79	17.0
	20	152	45.2	4.32	24.7	49.9	5.09	25.2	53.6	5.67	25.6	57.5	5.94	26.0	59.0	6.06	26.1
	20	304	45.2	4.25	22.3	49.9	5.00	22.6	53.6	5.57	22.8	57.5	5.84	23.0	59.0	5.95	23.1
	20	456	45.2	4.12	21.5	49.9	4.85	21.7	53.6	5.40	21.9	57.5	5.66	22.0	59.0	5.77	22.0
	25	152	45.2	5.38	29.8	49.9	6.34	30.3	53.6	7.06	30.7	57.5	7.41	31.1	59.0	7.55	31.3
	25	304	45.2	5.29	27.4	49.9	6.23	27.6	53.6	6.94	27.9	57.5	7.28	28.1	59.0	7.42	28.1
	25	456	45.2	5.13	26.6	49.9	6.04	26.8	53.6	6.73	26.9	57.5	7.06	27.0	59.0	7.19	27.1
	30	152	45.2	6.47	34.9	49.9	7.62	35.4	53.6	8.48	35.9	57.5	8.90	36.3	59.0	9.07	36.4
	30	304	45.2	6.36	32.4	49.9	7.49	32.7	53.6	8.34	32.9	57.5	8.75	33.1	59.0	8.91	33.2
	30	456	45.2	6.16	31.6	49.9	7.26	31.8	53.6	8.08	31.9	57.5	8.48	32.1	59.0	8.64	32.1
	35	152	45.2	7.03	39.9	49.9	8.28	40.5	53.6	9.22	40.9	57.5	9.67	41.3	59.0	9.85	41.5
	35	304	45.2	6.91	37.5	49.9	8.13	37.7	53.6	9.06	38.0	57.5	9.51	38.2	59.0	9.69	38.2
	35	456	45.2	6.70	36.6	49.9	7.88	36.8	53.6	8.78	37.0	57.5	9.21	37.1	59.0	9.39	37.1
	40	152	40.2	7.79	44.5	44.4	9.17	45.0	47.7	10.21	45.5	51.1	10.72	45.8	52.4	10.92	46.0
	40	304	40.5	7.65	42.3	44.7	9.01	42.5	48.1	10.04	42.7	51.6	10.53	42.9	52.9	10.73	43.0
	40	456	41.1	7.42	41.5	45.4	8.73	41.7	48.8	9.73	41.8	52.3	10.21	42.0	53.6	10.40	42.0
	45	152	36.1	8.48	49.2	39.8	9.98	49.7	42.8	11.12	50.1	45.9	11.66	50.4	47.1	11.88	50.6
	45	304	36.4	8.33	47.1	40.2	9.81	47.4	43.2	10.93	47.6	46.3	11.47	47.7	47.5	11.68	47.8
	45	456	36.9	8.07	46.4	40.7	9.51	46.6	43.8	10.59	46.7	47.0	11.11	46.8	48.2	11.32	46.9
50	10	152	37.9	1.98	13.8	41.9	2.33	14.2	45.0	2.59	14.5	48.3	2.72	14.8	49.5	2.77	14.9
	10	304	37.9	1.94	11.9	41.9	2.29	12.1	45.0	2.55	12.2	48.3	2.67	12.4	49.5	2.72	12.5
	10	456	37.9	1.88	11.3	41.9	2.22	11.4	45.0	2.47	11.5	48.3	2.59	11.6	49.5	2.64	11.6
	15	152	37.9	2.64	18.8	41.9	3.11	19.2	45.0	3.46	19.6	48.3	3.63	19.9	49.5	3.70	20.0
	15	304	37.9	2.59	16.9	41.9	3.05	17.1	45.0	3.40	17.3	48.3	3.57	17.4	49.5	3.64	17.5
	15	456	37.9	2.51	16.3	41.9	2.96	16.4	45.0	3.30	16.5	48.3	3.46	16.6	49.5	3.52	16.7
	20	152	37.9	3.18	23.9	41.9	3.74	24.3	45.0	4.17	24.6	48.3	4.38	25.0	49.5	4.46	25.1
	20	304	37.9	3.13	21.9	41.9	3.68	22.1	45.0	4.10	22.3	48.3	4.30	22.5	49.5	4.38	22.5
	20	456	37.9	3.03	21.3	41.9	3.57	21.4	45.0	3.97	21.5	48.3	4.17	21.6	49.5	4.25	21.7
	25	152	37.9	3.96	29.0	41.9	4.67	29.4	45.0	5.20	29.7	48.3	5.45	30.1	49.5	5.56	30.2
	25	304	37.9	3.89	27.0	41.9	4.59	27.2	45.0	5.11	27.4	48.3	5.36	27.5	49.5	5.46	27.6
	25	456	37.9	3.78	26.3	41.9	4.44	26.5	45.0	4.95	26.6	48.3	5.20	26.7	49.5	5.29	26.7
	30	152	37.9	4.76	34.0	41.9	5.61	34.5	45.0	6.25	34.8	48.3	6.55	35.2	49.5	6.68	35.3
	30	304	37.9	4.68	32.0	41.9	5.51	32.2	45.0	6.14	32.4	48.3	6.44	32.6	49.5	6.56	32.6
	30	456	37.9	4.54	31.3	41.9	5.34	31.5	45.0	5.95	31.6	48.3	6.24	31.7	49.5	6.36	31.8
	35	152	37.9	5.17	39.1	41.9	6.09	39.5	45.0	6.79	39.9	48.3	7.12	40.2	49.5	7.25	40.4
	35	304	37.9	5.09	37.0	41.9	5.99	37.3	45.0	6.67	37.4	48.3	7.00	37.6	49.5	7.13	37.7
	35	456	37.9	4.93	36.3	41.9	5.80	36.5	45.0	6.47	36.6	48.3	6.78	36.7	49.5	6.91	36.8
	40	152	33.7	5.73	43.7	37.2	6.75	44.1	40.0	7.52	44.5	42.9	7.89	44.8	44.0	8.04	44.9
	40	304	34.0	5.64	41.9	37.6	6.64	42.1	40.4	7.39	42.3	43.3	7.76	42.4	44.4	7.90	42.5
	40	456	34.5	5.46	41.3	38.1	6.43	41.4	40.9	7.17	41.5	43.9	7.52	41.6	45.0	7.66	41.7
	45	152	30.3	6.24	48.4	33.4	7.35	48.8	35.9	8.19	49.2	38.6	8.59	49.4	39.5	8.75	49.6
	45	304	30.5	6.13	46.7	33.7	7.22	46.9	36.2	8.05	47.1	38.9	8.44	47.2	39.9	8.60	47.3
	45	456	31.0	5.95	46.2	34.2	7.00	46.3	36.8	7.80	46.4	39.4	8.18	46.5	40.4	8.34	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	152	121.4	27.07	-3.9	119.5	25.85	-3.8	115.7	25.18	-3.5	108.7	23.34	-3.0	104.8	21.57	-2.8
	5	304	124.9	26.87	0.4	122.1	26.04	0.5	118.0	25.59	0.6	110.5	23.65	0.9	106.3	21.86	1.0
	5	456	125.9	27.82	1.9	123.0	26.91	2.0	118.6	26.06	2.1	111.4	24.15	2.3	107.5	22.69	2.3
	10	152	122.1	24.23	0.8	119.9	23.13	0.9	115.7	22.71	1.2	108.7	21.04	1.7	104.8	19.56	2.0
	10	304	124.9	24.03	5.2	122.1	23.19	5.3	118.0	22.87	5.5	110.5	20.98	5.8	106.3	19.54	5.9
	10	456	125.9	24.52	6.8	123.3	23.70	6.9	119.3	23.00	7.0	111.4	21.13	7.2	107.5	19.93	7.2
	15	152	122.7	21.66	5.5	120.5	20.54	5.6	118.8	20.66	5.7	110.3	18.74	6.4	105.7	17.62	6.7
	15	304	126.5	20.78	10.0	124.0	20.19	10.1	122.6	20.50	10.2	114.0	18.21	10.5	108.7	17.01	10.7
	15	456	127.5	21.53	11.7	125.9	20.89	11.7	124.9	20.50	11.7	115.8	18.15	11.9	111.1	17.74	12.1
	20	152	127.1	19.92	9.9	124.9	18.82	10.0	123.3	18.68	10.1	114.6	16.73	10.8	109.3	16.61	11.3
	20	304	131.2	19.15	14.7	129.0	18.86	14.8	126.7	19.72	15.0	118.3	17.26	15.2	113.2	16.68	15.4
	20	456	132.2	19.36	16.5	130.3	18.76	16.5	129.4	18.82	16.5	119.8	16.91	16.8	114.4	16.67	16.9
	25	152	133.1	19.05	14.2	130.0	18.28	14.5	128.7	18.20	14.6	120.4	16.56	15.2	115.6	15.83	15.6
	25	304	133.1	18.75	19.6	130.0	18.15	19.7	128.7	17.88	19.8	120.4	16.30	20.1	115.6	15.92	20.3
	25	456	133.1	18.36	21.4	130.0	17.45	21.5	128.7	17.49	21.5	120.4	16.42	21.7	115.6	14.92	21.8
	30	152	133.1	18.50	19.2	130.0	17.42	19.4	128.7	17.46	19.5	120.4	15.57	20.1	115.6	15.72	20.6
	30	304	133.1	17.88	24.6	130.0	17.30	24.7	128.7	17.04	24.7	120.4	15.71	25.1	115.6	14.68	25.2
	30	456	133.1	17.49	26.4	130.0	16.59	26.4	128.7	16.62	26.5	120.4	14.67	26.7	115.6	15.30	26.8
	35	152	133.1	17.62	24.1	130.0	16.85	24.3	128.7	16.78	24.4	120.4	15.01	25.1	115.6	14.05	25.4
	35	304	133.1	17.04	29.5	130.0	16.47	29.6	128.7	16.46	29.7	120.4	14.84	30.0	115.6	13.72	30.2
	35	456	133.1	17.04	31.4	130.0	16.18	31.4	128.7	16.00	31.5	120.4	14.41	31.7	115.6	13.37	31.8
	40	152	133.1	17.04	29.1	130.0	16.28	29.3	128.7	16.17	29.4	120.4	14.44	30.0	115.6	13.84	30.4
	40	304	133.1	16.46	34.5	130.0	15.86	34.6	128.7	15.62	34.7	120.4	13.92	35.0	115.6	13.33	35.2
	40	456	133.1	16.00	36.3	130.0	15.48	36.4	128.7	15.62	36.4	120.4	13.92	36.7	115.6	13.33	36.8
	45	152	133.1	16.46	34.0	130.0	15.73	34.2	128.7	15.62	34.3	120.4	13.78	34.9	115.6	13.70	35.4
	45	304	133.1	15.91	39.5	130.0	15.32	39.6	128.7	14.74	39.6	120.4	12.89	39.9	115.6	12.91	40.2
	45	456	133.1	15.00	41.3	130.0	14.74	41.4	128.7	15.20	41.4	120.4	13.27	41.6	115.6	13.34	41.8
120	5	152	115.6	26.85	-3.4	113.7	25.74	-3.3	110.0	25.01	-3.0	103.6	23.00	-2.6	99.1	21.25	-2.3
	5	304	118.5	27.23	0.7	116.0	26.26	0.8	111.3	25.59	1.0	104.8	23.48	1.2	100.3	21.50	1.3
	5	456	119.5	27.48	2.1	115.0	26.54	2.2	112.0	26.06	2.3	105.4	23.95	2.4	100.9	21.96	2.5
	10	152	116.3	24.03	1.3	114.1	23.03	1.4	110.0	22.55	1.8	103.6	20.73	2.2	99.1	19.27	2.5
	10	304	118.5	24.35	5.6	116.0	23.38	5.6	111.3	22.87	5.8	104.8	20.83	6.0	100.3	19.22	6.2
	10	456	119.5	24.22	7.0	115.4	23.38	7.1	112.7	23.00	7.2	105.4	20.94	7.3	100.9	19.29	7.4
	15	152	116.9	21.27	6.0	114.4	20.35	6.1	112.9	20.33	6.3	105.1	18.46	6.8	100.0	17.32	7.2
	15	304	119.5	21.47	10.4	117.2	20.54	10.4	115.5	20.50	10.5	107.6	18.21	10.8	102.1	16.77	11.0
	15	456	120.4	20.98	11.9	117.3	20.25	12.0	116.8	20.50	12.0	108.8	18.15	12.2	103.3	16.77	12.3
	20	152	120.1	19.10	10.5	117.9	18.08	10.6	115.8	17.87	10.8	107.9	16.19	11.4	102.4	16.12	11.9
	20	304	123.3	18.89	15.1	120.7	18.47	15.2	118.1	19.19	15.3	110.3	16.69	15.6	105.1	15.73	15.8
	20	456	123.9	18.84	16.7	120.4	18.15	16.8	120.0	18.20	16.8	111.6	16.35	17.0	106.0	15.82	17.2
	25	152	125.1	18.01	14.9	121.4	16.94	15.2	119.3	16.87	15.3	111.6	15.24	15.9	106.9	14.52	16.3
	25	304	125.5	17.74	19.9	121.4	16.84	20.1	119.3	16.77	20.2	111.6	14.95	20.4	106.9	14.61	20.6
	25	456	126.1	16.74	21.6	121.4	16.17	21.7	119.3	16.32	21.8	111.6	15.45	22.0	106.9	13.66	22.1
	30	152	125.8	17.13	19.8	121.4	16.11	20.1	119.3	15.90	20.2	111.6	13.97	20.8	106.9	14.08	21.2
	30	304	125.8	16.58	24.9	121.4	15.73	25.0	119.3	15.61	25.1	111.6	14.07	25.4	106.9	13.12	25.6
	30	456	125.8	15.77	26.5	121.4	15.18	26.7	119.3	15.15	26.7	111.6	13.50	26.9	106.9	13.67	27.1
	35	152	125.8	16.29	24.7	121.4	15.25	25.0	119.3	15.03	25.2	111.6	13.41	25.7	106.9	12.47	26.1
	35	304	125.8	15.35	29.8	121.4	14.67	30.0	119.3	14.44	30.1	111.6	12.93	30.3	106.9	11.94	30.5
	35	456	125.8	15.09	31.5	121.4	14.51	31.6	119.3	14.44	31.7	111.6	12.93	31.9	106.9	11.94	32.0
	40	152	125.8	15.71	29.6	121.4	14.51	29.9	119.3	14.15	30.1	111.6	12.55	30.7	106.9	11.99	31.0
	40	304	125.8	14.50	34.8	121.4	13.84	34.9	119.3	13.57	35.0	111.6	12.05	35.3	106.9	11.47	35.5
	40	456	125.8	14.21	36.5	121.4	13.55	36.6	119.3	13.57	36.7	111.6	12.05	36.9	106.9	11.47	37.0
	45	152	125.8	15.16	34.6	121.4	13.78	34.9	119.3	13.31	35.0	111.6	11.63	35.6	106.9	11.51	36.0
	45	304	125.8	13.63	39.7	121.4	12.98	39.9	119.3	12.69	40.0	111.6	11.05	40.3	106.9	10.99	40.5
	45	456	125.8	13.37	41.5	121.4	12.63	41.6	119.3	12.69	41.6	111.6	11.05	41.8	106.9	10.99	42.0
110	5	152	110.6	27.14	-2.9	108.2	25.85	-2.8	104.2	25.08	-2.5	98.5	23.00	-2.1	93.4	21.25	-1.8
	5	304	112.8	27.34	1.0	109.5	26.26	1.1	105.2	25.59	1.2	99.1	23.48	1.4	94.0	21.50	1.6
	5	456	113.8	27.74	2.3	110.1	26.54	2.4	105.5	25.84	2.5	99.1	23.70	2.6	94.3	21.96	2.7
	10	152	111.3	24.29	1.8	108.5	23.13	1.9	104.2	22.62	2.3	98.5	20.73	2.7	93.4	19.27	3.0
	10	304	112.8	24.45	5.8	109.5	23.38	5.9	105.2	22.87	6.1	99.1	20.83	6.3	94.0	19.22	6.5
	10	456	113.8	24.45	7.2	110.4	23.38	7.3	106.2	22.81	7.4	99.1	20.73	7.5	94.3	19.29	7.6
	15	152	111.6	21.40	6.5	108.8	20.54	6.7	107.0	20.50	6.8	100.0	18.46	7.3	94.2	17.32	7.7
	15	304	113.5	21.27	10.7	110.4	20.54	10.8	108.2	20.50	10.9	100.9	18.21	11.1	95.4	16.77	11.3
	15	456	114.4	21.08	12.1	111.1	20.25	12.1	109.2	20.07	12.2	101.5	17.76	12.4	95.7	16.77	12.5
	20	152	113.8	18.55	11.0	110.7	17.79	11.2	108.6	17.61	11.4	100.9	15.92	12.0	95.4	15.61	12.5
	20	304	116.3	18.48	15.4	112.0	17.89	15.6	109.4	18.56	15.7	102.4	16.17	15.9	96.6	14.99	16.2
	20	456	117.3	18.68	16.9	113.6	17.79	17.0	110.8	17.61	17.1	103.0	15.42	17.2	97.5	14.99	17.4
	25	152	117.0	16.80	15.6	113.3	15.91	15.8	110.5	15.89	16.1	103.0	14.15	16.6	97.8	13.23	17.0
	25	304	117.9	16.70	20.2	113.3	15.66	20.4	110.5	15.60	20.5	103.0	13.89	20.8	97.8	13.26	21.0
	25	456	118.8	16.71	21.8	113.3	15.75	21.9	110.5	15.15	22.0	103.0	14.37	22.2	97.8	12.39	22.3
	30	152	118.5	15.28	20.3	113.3	14.51	20.7	110.5	14.14	20.9	103.0	12.66	21.5	97.8	12.19	21.9
	30	304	118.5	15.02	25.1	113.3	14.22	25.3	110.5	13.85	25.4	103.0	12.70	25.7	97.8	11.52	25.9
	30	456	118.5	14.86	26.7	113.3	13.80	26.9	110.5	13.40	26.9	103.0	11.84	27.1	97.8	12.01	27.3
	35	152	118.5	14.43	25.2	113.3	13.36	25.6	110.5	13.01	25.8	103.0	11.53	26.4	97.8	10.65	26.8
	35	304	118.5	13.85	30.1	113.3	13.10	30.3	110.5	12.69	30.4	103.0	11.32	30.7	97.8	10.36	30.9
	35	456	118.5	13.33	31.7	113.3	12.65	31.8	110.5	12.30	31.9	103.0	11.32	32.1	97.8	10.36	32.3
	40	152	118.5	13.56	30.1	113.3	12.81	30.5	110.5	12.14	30.7	103.0	10.68	31.3	97.8	10.10	31.7
	40	304	118.5	13.01	35.0	113.3	12.24	35.2	110.5	11.55	35.3	103.0	10.43	35.6	97.8	9.88	35.9
	40	456	118.5	12.72	36.7	113.3	11.79	36.8	110.5	11.55	36.9	103.0	10.01	37.1	97.8	9.46	37.2
	45	152	118.5	12.68	35.0	113.3	12.24	35.5	110.5	11.26	35.6	103.0	9.81	36.2	97.8	9.57	36.7
	45	304	118.5	12.13	40.0	113.3	11.38	40.2	110.5	10.38	40.3	103.0	9.45	40.6	97.8	9.35	40.8
	45	456	118.5	12.14	41.7	113.3	10.93	41.8	110.5	10.84	41.9	103.0	8.68	42.0	97.8	8.48	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	152	105.6	27.23	-2.4	101.8	26.18	-2.1	98.2	25.15	-1.9	92.7	23.07	-1.6	87.5	20.99	-1.3
	5	304	107.2	27.71	1.3	102.8	26.63	1.4	98.5	25.66	1.6	92.7	23.55	1.7	87.5	21.40	1.9
	5	456	108.1	27.97	2.5	103.1	26.91	2.6	98.3	25.92	2.7	92.7	23.77	2.8	87.5	21.60	2.9
	10	152	106.2	24.36	2.3	102.1	23.42	2.6	98.2	22.68	2.9	92.7	20.79	3.2	87.5	19.03	3.5
	10	304	107.2	24.79	6.1	102.8	23.71	6.3	98.5	22.94	6.4	92.7	20.89	6.6	87.5	19.13	6.8
	10	456	108.1	24.66	7.4	103.4	23.71	7.5	98.9	22.88	7.6	92.7	20.79	7.7	87.5	18.97	7.8
	15	152	106.5	21.47	7.0	102.8	20.70	7.3	100.8	20.56	7.4	94.1	18.52	7.9	88.3	17.11	8.3
	15	304	107.2	21.89	11.0	102.8	20.76	11.1	100.8	20.56	11.2	94.1	18.26	11.4	88.3	16.82	11.6
	15	456	108.4	21.34	12.3	103.7	20.51	12.4	100.8	20.13	12.5	94.1	17.81	12.6	88.3	16.40	12.7
	20	152	107.5	18.35	11.6	103.1	17.56	11.9	100.8	17.37	12.1	94.1	15.70	12.6	88.3	14.83	13.1
	20	304	109.1	18.50	15.7	103.4	17.72	16.0	100.8	17.37	16.1	94.1	15.70	16.3	88.3	14.26	16.5
	20	456	110.0	18.18	17.1	105.0	17.40	17.2	100.8	16.91	17.4	94.1	14.96	17.5	88.3	13.84	17.7
	25	152	108.7	16.00	16.3	104.6	15.15	16.6	100.8	14.77	16.9	94.1	13.14	17.4	88.3	11.98	17.8
	25	304	110.3	16.04	20.6	104.6	14.83	20.8	100.8	14.48	20.9	94.1	12.85	21.2	88.3	11.98	21.4
	25	456	111.3	15.52	22.0	104.6	14.67	22.2	100.8	14.05	22.3	94.1	12.85	22.4	88.3	11.53	22.6
	30	152	111.0	14.48	20.9	104.6	13.14	21.4	100.8	12.46	21.7	94.1	11.12	22.2	88.3	10.57	22.7
	30	304	111.0	14.18	25.4	104.6	12.85	25.7	100.8	12.33	25.8	94.1	11.12	26.1	88.3	10.25	26.3
	30	456	111.0	13.76	26.9	104.6	12.85	27.1	100.8	12.07	27.2	94.1	10.67	27.4	88.3	10.25	27.5
	35	152	111.0	13.34	25.8	104.6	11.98	26.3	100.8	10.99	26.5	94.1	9.96	27.1	88.3	9.10	27.5
	35	304	111.0	12.72	30.4	104.6	11.41	30.6	100.8	10.86	30.8	94.1	9.71	31.0	88.3	8.84	31.3
	35	456	111.0	12.72	31.9	104.6	11.41	32.1	100.8	10.64	32.2	94.1	9.71	32.3	88.3	8.84	32.5
	40	152	111.0	12.46	30.7	104.6	11.12	31.2	100.8	9.86	31.4	94.1	8.84	32.0	88.3	8.27	32.5
	40	304	111.0	11.87	35.3	104.6	10.57	35.6	100.8	9.73	35.7	94.1	8.55	36.0	88.3	8.01	36.2
	40	456	111.0	11.45	36.9	104.6	10.57	37.0	100.8	9.47	37.1	94.1	8.55	37.3	88.3	8.01	37.5
	45	152	111.0	11.58	35.6	104.6	10.25	36.1	100.8	8.69	36.3	94.1	7.69	36.9	88.3	7.40	37.4
	45	304	111.0	10.99	40.3	104.6	9.71	40.5	100.8	8.55	40.7	94.1	7.40	40.9	88.3	7.14	41.2
	45	456	111.0	10.15	41.8	104.6	9.71	42.0	100.8	8.29	42.1	94.1	7.40	42.3	88.3	7.14	42.5
90	5	152	94.9	25.53	-1.5	91.8	24.11	-1.4	89.0	22.77	-1.2	81.7	20.91	-0.7	75.0	18.75	-0.3
	5	304	95.6	26.00	1.7	91.5	24.57	1.8	89.0	23.20	1.9	81.7	21.35	2.2	75.0	19.12	2.4
	5	456	96.2	26.23	2.8	92.1	24.81	2.9	89.0	23.47	2.9	81.7	21.55	3.1	75.0	19.36	3.3
	10	152	95.6	22.46	3.1	92.1	21.37	3.3	89.0	20.54	3.5	81.7	18.85	4.1	75.0	17.03	4.5
	10	304	95.3	22.52	6.6	91.8	21.46	6.7	89.0	20.61	6.8	81.7	18.79	7.0	75.0	17.07	7.3
	10	456	96.2	22.46	7.7	92.1	21.37	7.8	89.0	20.54	7.8	81.7	18.89	8.0	75.0	17.17	8.2
	15	152	95.9	19.38	7.8	92.4	18.65	8.0	89.0	18.31	8.3	83.3	16.80	8.7	79.2	15.31	9.0
	15	304	95.3	19.05	11.4	91.8	18.36	11.5	89.0	18.01	11.7	83.3	16.22	11.8	79.2	15.01	12.0
	15	456	96.2	18.65	12.6	92.1	17.96	12.7	89.0	17.54	12.8	83.3	16.22	12.9	79.2	15.01	13.0
	20	152	96.5	16.40	12.4	92.7	15.91	12.8	89.0	15.62	13.1	83.3	14.40	13.5	79.2	13.52	13.8
	20	304	96.2	16.40	16.2	92.1	15.71	16.4	90.7	15.61	16.5	83.3	13.83	16.7	79.2	12.92	16.9
	20	456	96.5	16.01	17.5	92.4	15.54	17.6	90.7	15.61	17.6	83.3	13.83	17.8	79.2	12.92	17.9
	25	152	98.4	14.32	17.1	94.0	13.56	17.4	90.7	13.45	17.7	83.3	12.01	18.3	79.2	11.13	18.6
	25	304	99.3	14.19	21.0	94.0	13.43	21.2	90.7	13.17	21.3	83.3	11.70	21.6	79.2	10.79	21.8
	25	456	100.0	13.63	22.3	94.0	12.96	22.5	90.7	13.17	22.6	83.3	11.70	22.7	79.2	10.79	22.8
	30	152	99.7	12.93	21.8	94.0	12.07	22.3	90.7	11.62	22.5	83.3	10.49	23.1	79.2	9.58	23.4
	30	304	99.7	12.67	25.9	94.0	11.77	26.1	90.7	11.35	26.3	83.3	10.22	26.6	79.2	9.58	26.7
	30	456	99.7	12.20	27.3	94.0	11.31	27.4	90.7	11.35	27.5	83.3	10.22	27.7	79.2	9.17	27.8
	35	152	99.7	11.77	26.7	94.0	10.91	27.2	90.7	10.42	27.4	83.3	9.31	28.0	79.2	8.70	28.4
	35	304	99.7	12.01	30.9	94.0	10.58	31.1	90.7	10.11	31.2	83.3	9.00	31.5	79.2	8.70	31.7
	35	456	99.7	11.01	32.2	94.0	10.79	32.4	90.7	9.63	32.5	83.3	9.00	32.7	79.2	8.70	32.8
	40	152	99.7	10.91	31.6	94.0	10.02	32.1	90.7	9.18	32.3	83.3	8.43	32.9	79.2	7.79	33.3
	40	304	99.7	10.29	35.8	94.0	9.72	36.0	90.7	8.87	36.1	83.3	8.09	36.5	79.2	7.52	36.6
	40	456	99.7	10.29	37.2	94.0	9.72	37.4	90.7	8.87	37.4	83.3	8.09	37.6	79.2	7.79	37.8
	45	152	99.7	10.02	36.5	94.0	9.13	37.0	90.7	7.94	37.2	83.3	7.52	37.9	79.2	6.88	38.2
	45	304	99.7	9.13	40.7	94.0	8.83	41.0	90.7	7.67	41.1	83.3	7.22	41.4	79.2	6.61	41.6
	45	456	99.7	10.49	42.2	94.0	9.29	42.3	90.7	8.08	42.4	83.3	7.22	42.6	79.2	6.61	42.7
80	5	152	90.1	20.93	-1.5	84.3	19.76	-1.1	81.9	18.66	-1.0	75.2	17.14	-0.5	69.0	15.37	-0.1
	5	304	90.1	21.31	1.8	84.3	20.14	2.0	81.9	19.02	2.0	75.2	17.50	2.3	69.0	15.67	2.5
	5	456	90.1	21.50	2.8	84.3	20.33	3.0	81.9	19.24	3.0	75.2	17.66	3.2	69.0	15.87	3.3
	10	152	90.1	18.41	3.2	84.3	17.51	3.7	81.9	16.83	3.9	75.2	15.45	4.4	69.0	13.96	4.8
	10	304	90.1	18.46	6.6	84.3	17.59	6.9	81.9	16.89	6.9	75.2	15.40	7.2	69.0	13.99	7.4
	10	456	90.1	18.41	7.7	84.3	17.51	7.9	81.9	16.83	8.0	75.2	15.48	8.1	69.0	14.07	8.3
	15	152	90.1	15.88	8.0	84.3	15.29	8.5	81.9	15.01	8.7	75.6	13.77	9.2	71.2	12.55	9.5
	15	304	90.1	15.61	11.5	84.3	15.04	11.7	81.9	14.76	11.8	75.6	13.30	12.1	71.2	12.30	12.2
	15	456	90.1	15.29	12.6	84.3	14.72	12.8	81.9	14.37	12.9	75.6	13.30	13.0	71.2	12.30	13.1
	20	152	90.1	13.45	12.8	84.3	13.04	13.3	81.9	12.80	13.5	75.6	11.80	14.0	71.2	11.08	14.3
	20	304	90.1	13.45	16.4	84.3	12.88	16.6	81.9	13.05	16.8	75.6	11.33	17.0	71.2	10.59	17.1
	20	456	90.1	13.12	17.6	84.3	12.74	17.7	81.9	13.05	17.8	75.6	11.33	18.0	71.2	10.59	18.1
	25	152	90.5	11.74	17.6	84.7	11.11	18.1	81.9	11.02	18.3	75.6	9.84	18.8	71.2	9.12	19.1
	25	304	90.5	11.63	21.3	84.7	11.01	21.5	81.9	10.80	21.6	75.6	9.59	21.9	71.2	8.85	22.1
	25	456	90.5	11.17	22.5	84.7	10.63	22.7	81.9	10.80	22.8	75.6	9.59	22.9	71.2	8.85	23.0
	30	152	90.5	10.60	22.5	84.7	9.89	22.9	81.9	9.53	23.2	75.6	8.60	23.7	71.2	7.85	24.0
	30	304	90.5	10.38	26.2	84.7	9.65	26.5	81.9	9.30	26.6	75.6	8.38	26.8	71.2	7.85	27.0
	30	456	90.5	10.00	27.5	84.7	9.27	27.6	81.9	9.30	27.7	75.6	8.38	27.9	71.2	7.52	28.0
	35	152	90.5	9.65	27.4	84.7	8.95	27.9	81.9	8.54	28.1	75.6	7.63	28.6	71.2	7.13	29.0
	35	304	90.5	9.84	31.2	84.7	8.67	31.4	81.9	8.29	31.5	75.6	7.38	31.8	71.2	7.13	32.0
	35	456	90.5	9.03	32.4	84.7	8.85	32.6	81.9	7.89	32.7	75.6	7.38	32.9	71.2	7.13	33.0
	40	152	90.5	8.95	32.3	84.7	8.21	32.8	81.9	7.53	33.0	75.6	6.91	33.5	71.2	6.39	33.9
	40	304	90.5	8.43	36.1	84.7	7.97	36.4	81.9	7.27	36.5	75.6	6.63	36.7	71.2	6.16	36.9
	40	456	90.5	8.43	37.4	84.7	7.97	37.6	81.9	7.27	37.7	75.6	6.63	37.8	71.2	6.39	38.0
	45	152	90.5	8.43	37.3	84.7	7.97	37.8	81.9	7.27	38.0	75.6	6.63	38.5	71.2	6.39	38.9
	45	304	90.5	8.43	41.1	84.7	7.97	41.4	81.9	7.27	41.5	75.6	6.63	41.7	71.2	6.39	41.9
	45	456	90.5	8.43	42.4	84.7	7.97	42.6	81.9	7.27	42.7	75.6	6.63	42.8	71.2	6.39	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	152	78.1	17.57	-0.7	73.2	16.59	-0.3	71.0	15.66	-0.2	65.2	14.39	0.2	59.9	12.90	0.6
	5	304	78.1	17.89	2.2	73.2	16.91	2.3	71.0	15.96	2.4	65.2	14.69	2.6	59.9	13.16	2.8
	5	456	78.1	18.04	3.1	73.2	17.07	3.2	71.0	16.15	3.3	65.2	14.83	3.4	59.9	13.32	3.5
	10	152	78.1	15.45	4.1	73.2	14.70	4.5	71.0	14.13	4.6	65.2	12.97	5.1	59.9	11.72	5.5
	10	304	78.1	15.50	7.0	73.2	14.77	7.2	71.0	14.18	7.3	65.2	12.92	7.5	59.9	11.74	7.7
	10	456	78.1	15.45	8.0	73.2	14.70	8.2	71.0	14.13	8.2	65.2	12.99	8.4	59.9	11.81	8.5
	15	152	78.1	13.33	8.9	73.2	12.83	9.3	71.0	12.60	9.5	65.6	11.56	9.9	61.8	10.53	10.2
	15	304	78.1	13.11	11.9	73.2	12.63	12.1	71.0	12.39	12.2	65.6	11.16	12.4	61.8	10.33	12.6
	15	456	78.1	12.83	12.9	73.2	12.36	13.1	71.0	12.07	13.1	65.6	11.16	13.3	61.8	10.33	13.4
	20	152	78.1	11.29	13.7	73.2	10.95	14.1	71.0	10.74	14.3	65.6	9.91	14.8	61.8	9.30	15.0
	20	304	78.1	11.29	16.8	73.2	10.81	17.1	71.0	10.95	17.2	65.6	9.51	17.4	61.8	8.89	17.5
	20	456	78.1	11.01	17.9	73.2	10.69	18.0	71.0	10.95	18.1	65.6	9.51	18.2	61.8	8.89	18.3
	25	152	78.6	9.85	18.5	73.5	9.33	18.9	71.0	9.25	19.2	65.6	8.26	19.6	61.8	7.66	19.9
	25	304	78.6	9.76	21.8	73.5	9.24	22.0	71.0	9.06	22.1	65.6	8.05	22.3	61.8	7.43	22.4
	25	456	78.6	9.37	22.8	73.5	8.92	23.0	71.0	9.06	23.1	65.6	8.05	23.2	61.8	7.43	23.3
	30	152	78.6	8.90	23.4	73.5	8.31	23.8	71.0	8.00	24.1	65.6	7.22	24.5	61.8	6.59	24.8
	30	304	78.6	8.72	26.7	73.5	8.10	26.9	71.0	7.81	27.0	65.6	7.03	27.2	61.8	6.59	27.4
	30	456	78.6	8.40	27.8	73.5	7.78	27.9	71.0	7.81	28.0	65.6	7.03	28.2	61.8	6.31	28.3
	35	152	78.6	8.10	28.4	73.5	7.51	28.8	71.0	7.17	29.0	65.6	6.40	29.4	61.8	5.99	29.7
	35	304	78.6	8.26	31.7	73.5	7.28	31.9	71.0	6.96	32.0	65.6	6.20	32.2	61.8	5.99	32.4
	35	456	78.6	7.58	32.8	73.5	7.43	32.9	71.0	6.63	33.0	65.6	6.20	33.1	61.8	5.99	33.2
	40	152	78.6	7.51	33.3	73.5	6.89	33.7	71.0	6.32	33.9	65.6	5.80	34.4	61.8	5.36	34.7
	40	304	78.6	7.08	36.6	73.5	6.69	36.8	71.0	6.10	36.9	65.6	5.57	37.2	61.8	5.17	37.3
	40	456	78.6	7.08	37.8	73.5	6.69	37.9	71.0	6.10	38.0	65.6	5.57	38.1	61.8	5.36	38.2
	45	152	78.6	7.08	38.3	73.5	6.69	38.7	71.0	6.10	38.9	65.6	5.57	39.3	61.8	5.36	39.7
	45	304	78.6	7.08	41.6	73.5	6.69	41.8	71.0	6.10	41.9	65.6	5.57	42.2	61.8	5.36	42.3
	45	456	78.6	7.08	42.8	73.5	6.69	42.9	71.0	6.10	43.0	65.6	5.57	43.1	61.8	5.36	43.2
60	5	152	66.9	14.11	0.0	62.6	13.32	0.4	60.8	12.58	0.5	55.8	11.55	0.8	51.3	10.36	1.1
	5	304	66.9	14.36	2.5	62.6	13.58	2.7	60.8	12.82	2.7	55.8	11.79	2.9	51.3	10.56	3.1
	5	456	66.9	14.49	3.4	62.6	13.70	3.5	60.8	12.97	3.5	55.8	11.91	3.6	51.3	10.69	3.7
	10	152	66.9	12.41	4.9	62.6	11.80	5.2	60.8	11.35	5.3	55.8	10.42	5.7	51.3	9.41	6.1
	10	304	66.9	12.44	7.4	62.6	11.86	7.6	60.8	11.38	7.7	55.8	10.38	7.9	51.3	9.43	8.0
	10	456	66.9	12.41	8.3	62.6	11.80	8.4	60.8	11.35	8.4	55.8	10.43	8.6	51.3	9.48	8.7
	15	152	66.9	10.71	9.7	62.6	10.31	10.1	60.8	10.12	10.2	56.1	9.28	10.6	52.9	8.46	10.8
	15	304	66.9	10.52	12.3	62.6	10.14	12.5	60.8	9.95	12.6	56.1	8.96	12.8	52.9	8.29	12.9
	15	456	66.9	10.31	13.2	62.6	9.92	13.3	60.8	9.69	13.4	56.1	8.96	13.5	52.9	8.29	13.6
	20	152	66.9	9.06	14.5	62.6	8.79	14.9	60.8	8.63	15.1	56.1	7.96	15.5	52.9	7.47	15.7
	20	304	66.9	9.06	17.3	62.6	8.68	17.5	60.8	8.80	17.5	56.1	7.64	17.7	52.9	7.14	17.8
	20	456	66.9	8.84	18.2	62.6	8.59	18.3	60.8	8.80	18.4	56.1	7.64	18.5	52.9	7.14	18.6
	25	152	67.2	7.91	19.4	62.9	7.49	19.8	60.8	7.43	20.0	56.1	6.63	20.3	52.9	6.15	20.6
	25	304	67.2	7.84	22.2	62.9	7.42	22.4	60.8	7.28	22.5	56.1	6.47	22.7	52.9	5.96	22.8
	25	456	67.2	7.53	23.1	62.9	7.16	23.2	60.8	7.28	23.3	56.1	6.47	23.4	52.9	5.96	23.5
	30	152	67.2	7.14	24.3	62.9	6.67	24.7	60.8	6.42	24.9	56.1	5.79	25.3	52.9	5.29	25.5
	30	304	67.2	7.00	27.2	62.9	6.50	27.3	60.8	6.27	27.4	56.1	5.65	27.6	52.9	5.29	27.8
	30	456	67.2	6.74	28.1	62.9	6.25	28.2	60.8	6.27	28.3	56.1	5.65	28.4	52.9	5.07	28.5
	35	152	67.2	6.50	29.3	62.9	6.03	29.6	60.8	5.76	29.8	56.1	5.14	30.2	52.9	4.81	30.5
	35	304	67.2	6.63	32.1	62.9	5.85	32.3	60.8	5.59	32.4	56.1	4.97	32.6	52.9	4.81	32.7
	35	456	67.2	6.08	33.1	62.9	5.96	33.2	60.8	5.32	33.3	56.1	4.97	33.4	52.9	4.81	33.5
	40	152	67.2	6.03	34.2	62.9	5.54	34.6	60.8	5.07	34.7	56.1	4.66	35.1	52.9	4.30	35.4
	40	304	67.2	5.68	37.1	62.9	5.37	37.3	60.8	4.90	37.4	56.1	4.47	37.6	52.9	4.15	37.7
	40	456	67.2	5.68	38.1	62.9	5.37	38.2	60.8	4.90	38.2	56.1	4.47	38.4	52.9	4.30	38.5
	45	152	67.2	5.68	39.2	62.9	5.37	39.6	60.8	4.90	39.7	56.1	4.47	40.1	52.9	4.30	40.4
	45	304	67.2	5.68	42.1	62.9	5.37	42.3	60.8	4.90	42.4	56.1	4.47	42.6	52.9	4.30	42.7
	45	456	67.2	5.68	43.1	62.9	5.37	43.2	60.8	4.90	43.2	56.1	4.47	43.4	52.9	4.30	43.5
50	5	152	55.6	11.30	0.8	52.1	10.67	1.1	50.6	10.07	1.2	46.4	9.25	1.5	42.6	8.30	1.8
	5	304	55.6	11.50	2.9	52.1	10.87	3.1	50.6	10.27	3.1	46.4	9.45	3.3	42.6	8.46	3.4
	5	456	55.6	11.61	3.6	52.1	10.98	3.7	50.6	10.39	3.7	46.4	9.54	3.8	42.6	8.57	3.9
	10	152	55.6	9.94	5.7	52.1	9.45	6.0	50.6	9.09	6.1	46.4	8.34	6.4	42.6	7.54	6.7
	10	304	55.6	9.97	7.8	52.1	9.50	8.0	50.6	9.12	8.0	46.4	8.31	8.2	42.6	7.55	8.3
	10	456	55.6	9.94	8.6	52.1	9.45	8.7	50.6	9.09	8.7	46.4	8.36	8.8	42.6	7.60	8.9
	15	152	55.6	8.58	10.6	52.1	8.25	10.9	50.6	8.10	11.0	46.7	7.43	11.3	44.0	6.78	11.5
	15	304	55.6	8.43	12.8	52.1	8.12	12.9	50.6	7.97	13.0	46.7	7.18	13.1	44.0	6.64	13.2
	15	456	55.6	8.25	13.5	52.1	7.95	13.6	50.6	7.76	13.7	46.7	7.18	13.8	44.0	6.64	13.8
	20	152	55.6	7.26	15.4	52.1	7.04	15.8	50.6	6.91	15.9	46.7	6.37	16.2	44.0	5.98	16.4
	20	304	55.6	7.26	17.7	52.1	6.95	17.9	50.6	7.05	17.9	46.7	6.12	18.1	44.0	5.72	18.2
	20	456	55.6	7.08	18.5	52.1	6.88	18.6	50.6	7.05	18.6	46.7	6.12	18.7	44.0	5.72	18.8
	25	152	55.9	6.34	20.3	52.3	6.00	20.6	50.6	5.95	20.8	46.7	5.31	21.1	44.0	4.93	21.3
	25	304	55.9	6.28	22.7	52.3	5.94	22.8	50.6	5.83	22.9	46.7	5.18	23.0	44.0	4.78	23.2
	25	456	55.9	6.03	23.4	52.3	5.74	23.5	50.6	5.83	23.6	46.7	5.18	23.7	44.0	4.78	23.8
	30	152	55.9	5.72	25.3	52.3	5.34	25.6	50.6	5.14	25.7	46.7	4.64	26.0	44.0	4.24	26.3
	30	304	55.9	5.61	27.6	52.3	5.21	27.8	50.6	5.02	27.9	46.7	4.52	28.0	44.0	4.24	28.1
	30	456	55.9	5.40	28.4	52.3	5.01	28.5	50.6	5.02	28.6	46.7	4.52	28.7	44.0	4.06	28.7
	35	152	55.9	5.21	30.2	52.3	4.83	30.5	50.6	4.61	30.7	46.7	4.12	31.0	44.0	3.85	31.2
	35	304	55.9	5.31	32.6	52.3	4.68	32.8	50.6	4.47	32.8	46.7	3.98	33.0	44.0	3.85	33.1
	35	456	55.9	4.87	33.4	52.3	4.78	33.5	50.6	4.26	33.5	46.7	3.98	33.7	44.0	3.85	33.7
	40	152	55.9	4.83	35.2	52.3	4.43	35.5	50.6	4.06	35.6	46.7	3.73	36.0	44.0	3.45	36.2
	40	304	55.9	4.55	37.6	52.3	4.30	37.7	50.6	3.93	37.8	46.7	3.58	38.0	44.0	3.33	38.1
	40	456	55.9	4.55	38.4	52.3	4.30	38.5	50.6	3.93	38.5	46.7	3.58	38.6	44.0	3.45	38.7
	45	152	55.9	4.55	40.2	52.3	4.30	40.5	50.6	3.93	40.6	46.7	3.58	40.9	44.0	3.45	41.2
	45	304	55.9	4.55	42.6	52.3	4.30	42.7	50.6	3.93	42.8	46.7	3.58	43.0	44.0	3.45	43.1
	45	456	55.9	4.55	43.4	52.3	4.30	43.5	50.6	3.93	43.5	46.7	3.58	43.6	44.0	3.45	43.7

12. Capacity Table

1-13. AM340FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	162	95.9	6.87	19.1	105.4	8.17	20.0	113.2	8.95	20.8	121.5	9.50	21.6	124.8	9.61	21.9
	10	324	95.9	6.36	14.5	105.4	7.55	15.0	113.2	8.53	15.4	121.5	8.96	15.8	124.8	8.97	15.9
	10	486	95.9	6.26	13.0	105.4	7.52	13.3	113.2	8.08	13.6	121.5	8.80	13.8	124.8	9.00	13.9
	15	162	94.2	8.85	24.1	103.7	10.49	25.1	111.5	11.65	25.9	119.5	12.21	26.7	122.7	12.48	27.0
	15	324	94.2	8.26	19.5	103.7	9.72	20.0	111.5	10.85	20.4	119.5	11.41	20.8	122.7	11.67	20.9
	15	486	94.2	8.02	18.0	103.7	9.47	18.3	111.5	10.49	18.6	119.5	11.00	18.8	122.7	11.34	19.0
	20	162	92.8	10.55	29.1	102.3	12.35	30.1	110.2	13.79	31.0	117.8	14.46	31.7	121.0	14.77	32.0
	20	324	92.8	10.35	24.6	102.3	12.16	25.1	110.2	13.59	25.5	117.8	14.29	25.8	121.0	14.56	26.0
	20	486	92.8	10.00	23.0	102.3	11.80	23.4	110.2	13.19	23.6	117.8	13.75	23.9	121.0	14.18	24.0
	25	162	92.8	13.25	34.4	102.3	15.60	35.4	110.2	17.38	36.3	117.8	18.26	37.0	121.0	18.56	37.4
	25	324	92.8	12.38	29.7	102.3	14.56	30.2	110.2	16.20	30.6	117.8	17.06	31.0	121.0	17.34	31.1
	25	486	92.8	11.91	28.1	102.3	14.10	28.4	110.2	15.68	28.7	117.8	16.45	29.0	121.0	16.92	29.1
	30	162	92.8	15.55	39.6	102.3	18.27	40.7	110.2	20.40	41.6	117.8	21.40	42.3	121.0	21.75	42.6
	30	324	92.8	15.29	34.8	102.3	17.98	35.3	110.2	20.02	35.8	117.8	21.08	36.1	121.0	21.50	36.3
	30	486	92.8	14.79	33.2	102.3	17.42	33.5	110.2	19.43	33.8	117.8	20.38	34.1	121.0	20.93	34.2
	35	162	87.7	16.18	44.2	96.9	19.05	45.3	104.1	21.25	46.1	111.8	22.26	46.9	114.4	22.65	47.1
	35	324	87.7	15.87	39.6	96.9	18.74	40.1	104.1	20.87	40.5	111.8	21.94	40.9	114.4	22.40	41.1
	35	486	87.7	15.45	38.0	96.9	18.16	38.4	104.1	20.19	38.7	111.8	21.23	38.9	114.4	21.81	39.0
	40	162	73.4	16.85	48.0	80.8	19.82	48.9	87.0	22.11	49.7	93.2	23.19	50.3	95.8	23.66	50.6
	40	324	74.0	16.56	44.0	81.5	19.53	44.5	87.8	21.71	44.8	94.0	22.84	45.2	96.6	23.34	45.3
	40	486	75.1	16.06	42.7	82.7	18.86	43.0	89.0	21.08	43.2	95.3	22.11	43.5	98.0	22.77	43.6
	45	162	61.2	17.39	52.0	67.2	20.49	52.8	72.2	22.85	53.4	77.4	23.93	54.0	79.5	24.43	54.2
	45	324	61.7	17.11	48.5	67.8	20.14	48.9	72.8	22.42	49.2	78.1	23.65	49.5	80.2	24.11	49.6
	45	486	62.6	16.55	47.3	68.7	19.45	47.6	73.9	21.77	47.8	79.2	22.82	48.0	81.3	23.54	48.1
120	10	162	90.8	6.52	18.6	99.9	7.74	19.5	107.4	8.49	20.3	115.1	8.98	21.0	118.0	9.09	21.2
	10	324	90.8	6.09	14.3	99.9	7.23	14.7	107.4	8.07	15.1	115.1	8.47	15.5	118.0	8.48	15.6
	10	486	90.8	5.81	12.8	99.9	7.12	13.2	107.4	7.63	13.4	115.1	8.33	13.6	118.0	8.60	13.7
	15	162	89.8	8.48	23.7	98.5	10.00	24.6	106.1	11.16	25.4	113.7	11.69	26.1	116.6	11.90	26.4
	15	324	89.8	7.92	19.3	98.5	9.30	19.8	106.1	10.40	20.2	113.7	10.90	20.5	116.6	11.12	20.7
	15	486	89.8	7.64	17.9	98.5	9.06	18.2	106.1	10.01	18.4	113.7	10.53	18.7	116.6	10.86	18.8
	20	162	88.7	10.15	28.7	97.5	11.87	29.7	105.1	13.25	30.5	112.7	13.92	31.2	115.6	14.20	31.5
	20	324	88.7	9.93	24.4	97.5	11.66	24.8	105.1	13.06	25.2	112.7	13.72	25.6	115.6	13.96	25.7
	20	486	88.7	9.64	22.9	97.5	11.37	23.2	105.1	12.66	23.5	112.7	13.22	23.7	115.6	13.61	23.8
	25	162	88.7	12.73	34.0	97.5	14.97	35.0	105.1	16.62	35.8	112.7	17.51	36.5	115.6	17.80	36.8
	25	324	88.7	11.83	29.4	97.5	13.97	29.9	105.1	15.54	30.3	112.7	16.31	30.7	115.6	16.62	30.8
	25	486	88.7	11.40	28.0	97.5	13.47	28.3	105.1	15.04	28.5	112.7	15.77	28.8	115.6	16.16	28.9
	30	162	88.7	15.01	39.2	97.5	17.66	40.2	105.1	19.69	41.0	112.7	20.66	41.8	115.6	21.02	42.1
	30	324	88.7	14.76	34.6	97.5	17.34	35.1	105.1	19.35	35.5	112.7	20.34	35.9	115.6	20.72	36.0
	30	486	88.7	14.26	33.0	97.5	16.81	33.4	105.1	18.76	33.7	112.7	19.72	33.9	115.6	20.18	34.0
	35	162	85.2	15.83	43.9	94.0	18.67	45.0	101.3	20.80	45.8	108.2	21.77	46.5	111.2	22.20	46.8
	35	324	85.2	15.54	39.5	94.0	18.34	40.0	101.3	20.44	40.4	108.2	21.47	40.7	111.2	21.89	40.9
	35	486	85.2	15.08	38.0	94.0	17.80	38.3	101.3	19.76	38.6	108.2	20.76	38.8	111.2	21.33	38.9
	40	162	72.7	16.81	47.9	80.1	19.79	48.8	86.4	22.08	49.6	92.2	23.16	50.2	94.8	23.63	50.5
	40	324	73.3	16.53	44.0	80.8	19.49	44.4	87.1	21.67	44.8	93.0	22.77	45.1	95.6	23.27	45.3
	40	486	74.4	16.02	42.7	82.0	18.89	43.0	88.3	21.04	43.2	94.3	22.11	43.4	97.0	22.66	43.5
	45	162	61.9	17.66	52.0	68.5	20.83	52.9	73.8	23.22	53.6	78.7	24.33	54.1	80.8	24.83	54.3
	45	324	62.4	17.39	48.5	69.1	20.46	49.0	74.4	22.81	49.3	79.3	23.97	49.6	81.4	24.46	49.7
	45	486	63.3	16.80	47.4	70.0	19.85	47.7	75.5	22.12	47.9	80.5	23.24	48.1	82.6	23.75	48.1
110	10	162	85.7	6.12	18.1	94.2	7.30	19.0	101.4	8.03	19.7	108.7	8.49	20.4	111.4	8.59	20.6
	10	324	85.7	5.72	14.0	94.2	6.78	14.5	101.4	7.64	14.8	108.7	8.05	15.2	111.4	7.99	15.3
	10	486	85.7	5.54	12.7	94.2	6.66	13.0	101.4	7.28	13.2	108.7	7.88	13.4	111.4	8.05	13.5
	15	162	85.2	8.12	23.3	93.7	9.59	24.1	100.9	10.70	24.9	108.2	11.20	25.6	111.1	11.43	25.8
	15	324	85.2	7.58	19.1	93.7	8.91	19.5	100.9	9.97	19.9	108.2	10.46	20.3	111.1	10.65	20.4
	15	486	85.2	7.33	17.7	93.7	8.65	18.0	100.9	9.64	18.3	108.2	10.10	18.5	111.1	10.34	18.6
	20	162	85.0	9.80	28.4	93.5	11.48	29.3	100.7	12.83	30.0	107.8	13.44	30.7	110.6	13.71	31.0
	20	324	85.0	9.60	24.2	93.5	11.29	24.6	100.7	12.61	25.0	107.8	13.24	25.4	110.6	13.48	25.5
	20	486	85.0	9.32	22.8	93.5	10.97	23.1	100.7	12.23	23.3	107.8	12.82	23.6	110.6	13.08	23.6
	25	162	85.0	12.24	33.6	93.5	14.39	34.5	100.7	16.02	35.3	107.8	16.81	36.0	110.6	17.11	36.3
	25	324	85.0	11.41	29.3	93.5	13.41	29.7	100.7	14.94	30.1	107.8	15.67	30.5	110.6	15.95	30.6
	25	486	85.0	10.99	27.8	93.5	12.96	28.1	100.7	14.46	28.4	107.8	15.16	28.6	110.6	15.47	28.7
	30	162	85.0	14.59	38.8	93.5	17.16	39.8	100.7	19.14	40.6	107.8	20.08	41.3	110.6	20.44	41.6
	30	324	85.0	14.34	34.4	93.5	16.87	34.9	100.7	18.79	35.3	107.8	19.74	35.6	110.6	20.10	35.8
	30	486	85.0	13.88	32.9	93.5	16.37	33.2	100.7	18.23	33.5	107.8	19.13	33.7	110.6	19.53	33.8
	35	162	83.6	15.68	43.8	92.4	18.47	44.8	99.1	20.59	45.6	106.4	21.56	46.3	109.1	21.98	46.6
	35	324	83.6	15.40	39.4	92.4	18.15	39.9	99.1	20.24	40.3	106.4	21.22	40.6	109.1	21.63	40.8
	35	486	83.6	14.94	37.9	92.4	17.60	38.2	99.1	19.57	38.5	106.4	20.57	38.7	109.1	21.01	38.8
	40	162	73.3	17.12	48.0	80.8	20.16	48.9	86.8	22.45	49.7	93.1	23.56	50.3	95.7	24.02	50.6
	40	324	73.9	16.81	44.0	81.5	19.82	44.5	87.6	22.07	44.9	93.9	23.16	45.2	96.5	23.62	45.3
	40	486	74.9	16.29	42.7	82.7	19.21	43.0	88.8	21.39	43.3	95.3	22.47	43.5	97.9	22.94	43.6
	45	162	64.7	18.42	52.4	71.2	21.67	53.2	76.6	24.15	53.9	82.3	25.32	54.5	84.4	25.83	54.8
	45	324	65.2	18.07	48.7	71.8	21.28	49.1	77.3	23.72	49.5	83.0	24.95	49.8	85.1	25.39	49.9
	45	486	66.2	17.48	47.5	72.9	20.65	47.8	78.4	23.01	48.0	84.2	24.17	48.2	86.3	24.63	48.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	162	80.2	5.79	17.6	88.6	6.81	18.4	95.2	7.59	19.1	102.1	7.96	19.7	104.7	8.11	20.0
	10	324	80.2	5.39	13.8	88.6	6.38	14.2	95.2	7.22	14.5	102.1	7.55	14.9	104.7	7.55	15.0
	10	486	80.2	5.21	12.5	88.6	6.25	12.8	95.2	6.83	13.0	102.1	7.40	13.2	104.7	7.51	13.3
	15	162	80.2	7.72	22.8	88.6	9.09	23.6	95.2	10.13	24.3	102.1	10.63	25.0	104.7	10.83	25.2
	15	324	80.2	7.20	18.9	88.6	8.47	19.3	95.2	9.44	19.6	102.1	9.90	20.0	104.7	10.09	20.1
	15	486	80.2	6.96	17.6	88.6	8.19	17.9	95.2	9.13	18.1	102.1	9.57	18.3	104.7	9.75	18.4
	20	162	80.2	9.31	27.9	88.6	10.96	28.8	95.2	12.21	29.5	102.1	12.81	30.2	104.7	13.05	30.4
	20	324	80.2	9.15	24.0	88.6	10.77	24.4	95.2	12.00	24.7	102.1	12.59	25.1	104.7	12.83	25.2
	20	486	80.2	8.87	22.6	88.6	10.44	22.9	95.2	11.63	23.2	102.1	12.20	23.4	104.7	12.43	23.5
	25	162	80.2	11.60	33.1	88.6	13.65	34.0	95.2	15.21	34.8	102.1	15.96	35.4	104.7	16.26	35.7
	25	324	80.2	10.81	29.0	88.6	12.72	29.5	95.2	14.18	29.8	102.1	14.87	30.2	104.7	15.15	30.3
	25	486	80.2	10.45	27.7	88.6	12.30	28.0	95.2	13.70	28.2	102.1	14.38	28.4	104.7	14.64	28.5
	30	162	80.2	13.94	38.3	88.6	16.41	39.3	95.2	18.28	40.0	102.1	19.18	40.7	104.7	19.54	41.0
	30	324	80.2	13.70	34.2	88.6	16.13	34.6	95.2	17.97	35.0	102.1	18.85	35.4	104.7	19.21	35.5
	30	486	80.2	13.28	32.8	88.6	15.63	33.1	95.2	17.42	33.3	102.1	18.27	33.6	104.7	18.61	33.6
	35	162	80.2	15.14	43.4	88.6	17.83	44.4	95.2	19.86	45.2	102.1	20.84	45.9	104.7	21.23	46.1
	35	324	80.2	14.88	39.2	88.6	17.53	39.7	95.2	19.53	40.1	102.1	20.49	40.4	104.7	20.87	40.6
	35	486	80.2	14.43	37.8	88.6	16.99	38.1	95.2	18.93	38.4	102.1	19.86	38.6	104.7	20.23	38.7
	40	162	71.4	16.78	47.8	78.8	19.76	48.7	84.7	22.01	49.4	90.8	23.09	50.1	93.1	23.52	50.3
	40	324	72.0	16.49	43.9	79.4	19.42	44.4	85.4	21.64	44.7	91.6	22.70	45.1	93.9	23.12	45.2
	40	486	73.0	15.98	42.6	80.6	18.82	42.9	86.6	20.97	43.2	92.9	22.00	43.4	95.3	22.41	43.5
	45	162	64.1	18.26	52.3	70.7	21.50	53.2	76.0	23.96	53.8	81.6	25.13	54.4	83.6	25.60	54.7
	45	324	64.6	17.95	48.7	71.3	21.14	49.1	76.7	23.55	49.4	82.2	24.71	49.7	84.3	25.17	49.8
	45	486	65.6	17.40	47.4	72.4	20.49	47.7	77.8	22.82	48.0	83.4	23.94	48.2	85.6	24.39	48.2
90	10	162	72.4	4.95	16.8	79.9	5.83	17.6	85.9	6.50	18.2	92.1	6.82	18.8	94.5	6.95	19.0
	10	324	72.4	4.87	13.4	79.9	5.73	13.8	85.9	6.39	14.1	92.1	6.70	14.4	94.5	6.83	14.5
	10	486	72.4	4.72	12.3	79.9	5.56	12.5	85.9	6.19	12.7	92.1	6.50	12.9	94.5	6.62	13.0
	15	162	72.4	6.61	22.0	79.9	7.79	22.8	85.9	8.68	23.4	92.1	9.10	24.0	94.5	9.27	24.2
	15	324	72.4	6.50	18.5	79.9	7.65	18.9	85.9	8.53	19.2	92.1	8.95	19.5	94.5	9.11	19.6
	15	486	72.4	6.30	17.3	79.9	7.42	17.6	85.9	8.27	17.8	92.1	8.67	18.0	94.5	8.83	18.0
	20	162	72.4	7.97	27.1	79.9	9.39	27.9	85.9	10.46	28.5	92.1	10.97	29.1	94.5	11.18	29.3
	20	324	72.4	7.84	23.5	79.9	9.23	23.9	85.9	10.28	24.3	92.1	10.78	24.6	94.5	10.99	24.7
	20	486	72.4	7.59	22.4	79.9	8.94	22.6	85.9	9.96	22.8	92.1	10.45	23.0	94.5	10.65	23.1
	25	162	72.4	9.93	32.3	79.9	11.69	33.1	85.9	13.03	33.8	92.1	13.67	34.4	94.5	13.92	34.6
	25	324	72.4	9.76	28.6	79.9	11.49	29.0	85.9	12.81	29.4	92.1	13.44	29.7	94.5	13.69	29.8
	25	486	72.4	9.46	27.4	79.9	11.14	27.7	85.9	12.41	27.9	92.1	13.02	28.1	94.5	13.27	28.2
	30	162	72.4	11.93	37.5	79.9	14.05	38.3	85.9	15.66	39.0	92.1	16.43	39.6	94.5	16.73	39.8
	30	324	72.4	11.73	33.7	79.9	13.81	34.1	85.9	15.39	34.5	92.1	16.15	34.8	94.5	16.45	34.9
	30	486	72.4	11.37	32.5	79.9	13.39	32.8	85.9	14.92	33.0	92.1	15.65	33.2	94.5	15.94	33.3
	35	162	72.4	12.97	42.6	79.9	15.27	43.4	85.9	17.01	44.1	92.1	17.85	44.7	94.5	18.18	45.0
	35	324	72.4	12.75	38.8	79.9	15.01	39.2	85.9	16.72	39.5	92.1	17.54	39.9	94.5	17.87	40.0
	35	486	72.4	12.36	37.5	79.9	14.55	37.8	85.9	16.21	38.0	92.1	17.00	38.2	94.5	17.32	38.3
	40	162	64.4	14.37	47.0	71.1	16.92	47.8	76.4	18.85	48.4	82.0	19.78	49.0	84.0	20.15	49.2
	40	324	64.9	14.12	43.5	71.7	16.63	43.9	77.1	18.53	44.2	82.6	19.44	44.5	84.8	19.80	44.6
	40	486	65.9	13.69	42.3	72.7	16.12	42.6	78.2	17.96	42.8	83.8	18.84	43.0	86.0	19.19	43.1
	45	162	57.8	15.64	51.5	63.8	18.42	52.3	68.6	20.52	52.9	73.6	21.52	53.4	75.5	21.93	53.6
	45	324	58.3	15.37	48.3	64.4	18.10	48.6	69.2	20.17	49.0	74.2	21.16	49.2	76.1	21.55	49.3
	45	486	59.2	14.90	47.2	65.3	17.54	47.4	70.2	19.55	47.6	75.3	20.51	47.8	77.2	20.89	47.9
80	10	162	64.4	4.15	16.1	71.1	4.89	16.7	76.4	5.45	17.2	82.0	5.72	17.8	84.0	5.82	18.0
	10	324	64.4	4.08	13.0	71.1	4.81	13.4	76.4	5.36	13.6	82.0	5.62	13.9	84.0	5.72	14.0
	10	486	64.4	3.96	12.0	71.1	4.66	12.2	76.4	5.19	12.4	82.0	5.45	12.6	84.0	5.55	12.6
	15	162	64.4	5.54	21.2	71.1	6.53	21.9	76.4	7.27	22.4	82.0	7.63	22.9	84.0	7.77	23.1
	15	324	64.4	5.45	18.1	71.1	6.42	18.4	76.4	7.15	18.7	82.0	7.50	19.0	84.0	7.64	19.1
	15	486	64.4	5.28	17.1	71.1	6.22	17.3	76.4	6.93	17.5	82.0	7.27	17.6	84.0	7.40	17.7
	20	162	64.4	6.68	26.3	71.1	7.87	27.0	76.4	8.76	27.5	82.0	9.20	28.1	84.0	9.37	28.3
	20	324	64.4	6.57	23.1	71.1	7.73	23.5	76.4	8.62	23.8	82.0	9.04	24.0	84.0	9.21	24.1
	20	486	64.4	6.37	22.1	71.1	7.49	22.3	76.4	8.35	22.5	82.0	8.76	22.7	84.0	8.92	22.7
	25	162	64.4	8.32	31.4	71.1	9.80	32.2	76.4	10.92	32.7	82.0	11.46	33.3	84.0	11.67	33.5
	25	324	64.4	8.18	28.2	71.1	9.63	28.6	76.4	10.73	28.9	82.0	11.26	29.1	84.0	11.47	29.2
	25	486	64.4	7.93	27.1	71.1	9.34	27.4	76.4	10.40	27.6	82.0	10.91	27.7	84.0	11.12	27.8
	30	162	64.4	10.00	36.6	71.1	11.78	37.3	76.4	13.12	37.9	82.0	13.77	38.5	84.0	14.03	38.7
	30	324	64.4	9.83	33.3	71.1	11.58	33.7	76.4	12.90	34.0	82.0	13.53	34.2	84.0	13.79	34.3
	30	486	64.4	9.53	32.2	71.1	11.22	32.4	76.4	12.50	32.6	82.0	13.12	32.8	84.0	13.36	32.9
	35	162	64.4	10.87	41.7	71.1	12.80	42.4	76.4	14.26	43.0	82.0	14.96	43.6	84.0	15.24	43.8
	35	324	64.4	10.69	38.3	71.1	12.58	38.7	76.4	14.02	39.0	82.0	14.71	39.3	84.0	14.98	39.4
	35	486	64.4	10.36	37.2	71.1	12.19	37.5	76.4	13.59	37.7	82.0	14.25	37.8	84.0	14.52	37.9
	40	162	57.3	12.04	46.1	63.2	14.18	46.8	68.0	15.80	47.4	72.9	16.58	47.9	74.8	16.89	48.1
	40	324	57.8	11.84	43.1	63.8	13.94	43.4	68.5	15.53	43.7	73.5	16.29	44.0	75.4	16.60	44.1
	40	486	58.6	11.47	42.1	64.7	13.51	42.3	69.5	15.05	42.5	74.6	15.79	42.7	76.5	16.09	42.7
	45	162	51.4	13.11	50.7	56.8	15.44	51.4	61.0	17.20	51.9	65.5	18.04	52.4	67.1	18.38	52.6
	45	324	51.9	12.89	47.9	57.2	15.17	48.2	61.5	16.91	48.5	66.0	17.74	48.7	67.7	18.07	48.8
	45	486	52.6	12.49	46.9	58.1	14.71	47.1	62.4	16.38	47.3	67.0	17.19	47.5	68.7	17.51	47.5

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	162	56.2	3.46	15.3	62.1	4.08	15.9	66.7	4.54	16.3	71.6	4.76	16.8	73.4	4.85	16.9
	10	324	56.2	3.40	12.6	62.1	4.01	12.9	66.7	4.46	13.1	71.6	4.68	13.4	73.4	4.77	13.5
	10	486	56.2	3.30	11.8	62.1	3.88	11.9	66.7	4.33	12.1	71.6	4.54	12.2	73.4	4.62	12.3
	15	162	56.2	4.62	20.4	62.1	5.44	21.0	66.7	6.06	21.4	71.6	6.36	21.9	73.4	6.48	22.1
	15	324	56.2	4.54	17.7	62.1	5.35	18.0	66.7	5.96	18.2	71.6	6.25	18.4	73.4	6.37	18.5
	15	486	56.2	4.40	16.8	62.1	5.18	17.0	66.7	5.77	17.1	71.6	6.06	17.3	73.4	6.17	17.3
	20	162	56.2	5.57	25.5	62.1	6.56	26.1	66.7	7.30	26.5	71.6	7.66	27.0	73.4	7.81	27.2
	20	324	56.2	5.47	22.7	62.1	6.44	23.0	66.7	7.18	23.3	71.6	7.53	23.5	73.4	7.67	23.6
	20	486	56.2	5.30	21.8	62.1	6.25	22.0	66.7	6.96	22.2	71.6	7.30	22.3	73.4	7.44	22.4
	25	162	56.2	6.94	30.6	62.1	8.17	31.2	66.7	9.10	31.7	71.6	9.55	32.2	73.4	9.73	32.4
	25	324	56.2	6.82	27.8	62.1	8.03	28.1	66.7	8.95	28.3	71.6	9.38	28.6	73.4	9.56	28.7
	25	486	56.2	6.61	26.9	62.1	7.78	27.1	66.7	8.67	27.2	71.6	9.10	27.4	73.4	9.27	27.4
	30	162	56.2	8.34	35.7	62.1	9.82	36.4	66.7	10.94	36.9	71.6	11.47	37.3	73.4	11.69	37.5
	30	324	56.2	8.19	32.9	62.1	9.65	33.2	66.7	10.75	33.4	71.6	11.28	33.7	73.4	11.49	33.8
	30	486	56.2	7.94	31.9	62.1	9.35	32.1	66.7	10.42	32.3	71.6	10.93	32.4	73.4	11.14	32.5
	35	162	56.2	9.06	40.8	62.1	10.67	41.4	66.7	11.88	42.0	71.6	12.47	42.4	73.4	12.70	42.6
	35	324	56.2	8.90	37.9	62.1	10.48	38.2	66.7	11.68	38.5	71.6	12.26	38.7	73.4	12.48	38.8
	35	486	56.2	8.63	36.9	62.1	10.16	37.1	66.7	11.32	37.3	71.6	11.88	37.5	73.4	12.10	37.5
	40	162	50.0	10.04	45.3	55.2	11.82	45.9	59.3	13.17	46.4	63.7	13.81	46.9	65.3	14.07	47.0
	40	324	50.4	9.87	42.7	55.7	11.62	43.0	59.9	12.94	43.2	64.2	13.58	43.4	65.8	13.83	43.5
	40	486	51.2	9.56	41.8	56.5	11.26	42.0	60.7	12.54	42.2	65.1	13.16	42.3	66.8	13.41	42.4
	45	162	44.9	10.92	49.9	49.6	12.86	50.5	53.3	14.33	51.0	57.2	15.04	51.4	58.6	15.32	51.5
	45	324	45.3	10.74	47.5	50.0	12.64	47.8	53.7	14.09	48.0	57.6	14.78	48.2	59.1	15.06	48.3
	45	486	45.9	10.41	46.7	50.7	12.26	46.9	54.5	13.65	47.0	58.5	14.32	47.1	60.0	14.59	47.2
60	10	162	48.0	2.73	14.5	53.0	3.21	15.0	57.0	3.58	15.4	61.1	3.76	15.7	62.6	3.83	15.9
	10	324	48.0	2.68	12.2	53.0	3.16	12.5	57.0	3.52	12.7	61.1	3.69	12.9	62.6	3.76	12.9
	10	486	48.0	2.60	11.5	53.0	3.06	11.7	57.0	3.41	11.8	61.1	3.58	11.9	62.6	3.65	12.0
	15	162	48.0	3.64	19.6	53.0	4.29	20.1	57.0	4.78	20.5	61.1	5.02	20.8	62.6	5.11	21.0
	15	324	48.0	3.58	17.3	53.0	4.22	17.5	57.0	4.70	17.7	61.1	4.93	17.9	62.6	5.02	18.0
	15	486	48.0	3.47	16.5	53.0	4.09	16.7	57.0	4.55	16.8	61.1	4.78	16.9	62.6	4.87	17.0
	20	162	48.0	4.39	24.6	53.0	5.17	25.1	57.0	5.76	25.5	61.1	6.05	25.9	62.6	6.16	26.1
	20	324	48.0	4.32	22.3	53.0	5.08	22.6	57.0	5.66	22.8	61.1	5.94	23.0	62.6	6.05	23.0
	20	486	48.0	4.18	21.5	53.0	4.93	21.7	57.0	5.49	21.8	61.1	5.76	22.0	62.6	5.87	22.0
	25	162	48.0	5.47	29.7	53.0	6.44	30.3	57.0	7.18	30.7	61.1	7.53	31.1	62.6	7.67	31.2
	25	324	48.0	5.38	27.4	53.0	6.33	27.6	57.0	7.06	27.8	61.1	7.40	28.0	62.6	7.54	28.1
	25	486	48.0	5.21	26.6	53.0	6.14	26.7	57.0	6.84	26.9	61.1	7.18	27.0	62.6	7.31	27.1
	30	162	48.0	6.58	34.8	53.0	7.74	35.4	57.0	8.63	35.8	61.1	9.05	36.2	62.6	9.22	36.4
	30	324	48.0	6.46	32.4	53.0	7.61	32.7	57.0	8.48	32.9	61.1	8.90	33.1	62.6	9.06	33.2
	30	486	48.0	6.27	31.6	53.0	7.38	31.8	57.0	8.22	31.9	61.1	8.62	32.1	62.6	8.78	32.1
	35	162	48.0	7.15	39.9	53.0	8.41	40.4	57.0	9.38	40.9	61.1	9.84	41.3	62.6	10.02	41.4
	35	324	48.0	7.02	37.4	53.0	8.27	37.7	57.0	9.22	37.9	61.1	9.67	38.1	62.6	9.85	38.2
	35	486	48.0	6.81	36.6	53.0	8.02	36.8	57.0	8.93	36.9	61.1	9.37	37.1	62.6	9.55	37.1
	40	162	42.7	7.92	44.5	47.1	9.32	45.0	50.7	10.39	45.4	54.3	10.90	45.8	55.7	11.10	45.9
	40	324	43.1	7.78	42.2	47.5	9.16	42.5	51.1	10.21	42.7	54.8	10.71	42.9	56.2	10.91	43.0
	40	486	43.7	7.54	41.5	48.2	8.88	41.7	51.8	9.90	41.8	55.6	10.38	41.9	57.0	10.58	42.0
	45	162	38.3	8.62	49.2	42.3	10.15	49.6	45.5	11.31	50.0	48.8	11.86	50.4	50.0	12.08	50.5
	45	324	38.7	8.47	47.1	42.7	9.98	47.3	45.9	11.11	47.5	49.2	11.66	47.7	50.5	11.88	47.8
	45	486	39.2	8.21	46.4	43.3	9.67	46.6	46.5	10.77	46.7	49.9	11.30	46.8	51.2	11.51	46.8
50	10	162	40.3	2.05	13.7	44.5	2.42	14.1	47.8	2.69	14.5	51.3	2.83	14.8	52.6	2.88	14.9
	10	324	40.3	2.02	11.9	44.5	2.38	12.1	47.8	2.65	12.2	51.3	2.78	12.4	52.6	2.83	12.5
	10	486	40.3	1.96	11.2	44.5	2.30	11.4	47.8	2.57	11.5	51.3	2.69	11.6	52.6	2.74	11.6
	15	162	40.3	2.74	18.8	44.5	3.23	19.2	47.8	3.60	19.5	51.3	3.77	19.9	52.6	3.84	20.0
	15	324	40.3	2.70	16.9	44.5	3.17	17.1	47.8	3.54	17.3	51.3	3.71	17.4	52.6	3.78	17.5
	15	486	40.3	2.61	16.3	44.5	3.08	16.4	47.8	3.43	16.5	51.3	3.59	16.6	52.6	3.66	16.7
	20	162	40.3	3.30	23.9	44.5	3.89	24.3	47.8	4.33	24.6	51.3	4.55	24.9	52.6	4.63	25.1
	20	324	40.3	3.25	21.9	44.5	3.82	22.1	47.8	4.26	22.3	51.3	4.47	22.5	52.6	4.55	22.5
	20	486	40.3	3.15	21.3	44.5	3.71	21.4	47.8	4.13	21.5	51.3	4.33	21.6	52.6	4.41	21.7
	25	162	40.3	4.12	28.9	44.5	4.85	29.4	47.8	5.40	29.7	51.3	5.67	30.0	52.6	5.77	30.2
	25	324	40.3	4.05	27.0	44.5	4.77	27.2	47.8	5.31	27.3	51.3	5.57	27.5	52.6	5.67	27.6
	25	486	40.3	3.92	26.3	44.5	4.62	26.4	47.8	5.15	26.6	51.3	5.40	26.7	52.6	5.50	26.7
	30	162	40.3	4.95	34.0	44.5	5.83	34.5	47.8	6.49	34.8	51.3	6.81	35.1	52.6	6.94	35.3
	30	324	40.3	4.86	32.0	44.5	5.73	32.2	47.8	6.38	32.4	51.3	6.69	32.6	52.6	6.82	32.6
	30	486	40.3	4.71	31.3	44.5	5.55	31.5	47.8	6.18	31.6	51.3	6.49	31.7	52.6	6.61	31.7
	35	162	40.3	5.38	39.0	44.5	6.33	39.5	47.8	7.05	39.9	51.3	7.40	40.2	52.6	7.54	40.3
	35	324	40.3	5.28	37.0	44.5	6.22	37.2	47.8	6.93	37.4	51.3	7.27	37.6	52.6	7.41	37.7
	35	486	40.3	5.12	36.3	44.5	6.03	36.5	47.8	6.72	36.6	51.3	7.05	36.7	52.6	7.18	36.8
	40	162	35.8	5.96	43.7	39.6	7.01	44.1	42.5	7.81	44.5	45.6	8.20	44.8	46.8	8.35	44.9
	40	324	36.1	5.86	41.9	39.9	6.89	42.1	42.9	7.68	42.2	46.0	8.06	42.4	47.2	8.21	42.4
	40	486	36.7	5.67	41.2	40.5	6.68	41.4	43.5	7.44	41.5	46.7	7.81	41.6	47.8	7.96	41.6
	45	162	32.2	6.48	48.4	35.5	7.63	48.8	38.2	8.51	49.1	41.0	8.92	49.4	42.0	9.09	49.5
	45	324	32.4	6.37	46.7	35.8	7.50	46.9	38.5	8.36	47.1	41.3	8.77	47.2	42.3	8.94	47.3
	45	486	32.9	6.18	46.2	36.3	7.27	46.3	39.1	8.10	46.4	41.9	8.50	46.5	43.0	8.66	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	162	129.0	28.47	-3.9	127.0	27.19	-3.8	122.9	26.49	-3.5	115.5	24.55	-3.0	111.3	22.69	-2.8
	5	324	132.7	28.26	0.4	129.7	27.39	0.5	125.4	26.91	0.6	117.4	24.88	0.9	112.9	23.00	1.0
	5	486	133.7	29.26	1.9	130.7	28.30	2.0	126.0	27.41	2.1	118.4	25.41	2.3	114.2	23.87	2.3
	10	162	129.7	25.48	0.8	127.4	24.33	0.9	123.0	23.89	1.2	115.5	22.13	1.7	111.3	20.57	2.0
	10	324	132.7	25.27	5.2	129.7	24.39	5.3	125.4	24.06	5.5	117.4	22.07	5.8	112.9	20.55	5.9
	10	486	133.7	25.79	6.8	131.1	24.93	6.9	126.8	24.19	7.0	118.4	22.22	7.2	114.2	20.97	7.3
	15	162	130.4	22.79	5.5	128.0	21.60	5.6	126.2	21.73	5.8	117.2	19.71	6.4	112.3	18.53	6.7
	15	324	134.4	21.86	10.0	131.7	21.23	10.1	130.3	21.56	10.2	121.1	19.15	10.5	115.5	17.89	10.7
	15	486	135.4	22.65	11.7	133.7	21.98	11.7	132.7	21.56	11.7	123.1	19.09	11.9	118.1	18.66	12.1
	20	162	135.1	20.95	9.9	132.7	19.79	10.0	131.0	19.65	10.1	121.8	17.60	10.8	116.2	17.47	11.3
	20	324	139.4	20.14	14.7	137.1	19.83	14.8	134.6	20.12	14.9	125.7	18.16	15.2	120.3	17.54	15.5
	20	486	140.5	20.37	16.5	138.4	19.73	16.5	137.4	19.79	16.5	127.3	17.79	16.8	121.6	17.54	16.9
	25	162	141.5	20.03	14.3	138.1	19.23	14.5	136.8	19.15	14.6	127.9	17.42	15.2	122.9	16.65	15.6
	25	324	141.5	19.72	19.6	138.1	19.09	19.7	136.8	18.81	19.8	127.9	17.14	20.1	122.9	16.75	20.3
	25	486	141.5	19.32	21.4	138.1	18.35	21.5	136.8	18.40	21.5	127.9	17.27	21.7	122.9	15.70	21.8
	30	162	141.5	19.46	19.2	138.1	18.33	19.4	136.8	18.37	19.5	127.9	16.38	20.1	122.9	16.54	20.6
	30	324	141.5	18.81	24.6	138.1	18.19	24.7	136.8	17.92	24.7	127.9	16.53	25.1	122.9	15.44	25.2
	30	486	141.5	18.40	26.4	138.1	17.45	26.4	136.8	17.48	26.5	127.9	15.43	26.7	122.9	16.10	26.9
	35	162	141.5	18.54	24.1	138.1	17.72	24.4	136.8	17.65	24.5	127.9	15.79	25.1	122.9	14.77	25.4
	35	324	141.5	17.92	29.5	138.1	17.32	29.7	136.8	17.31	29.7	127.9	15.61	30.0	122.9	14.43	30.2
	35	486	141.5	17.92	31.4	138.1	17.02	31.4	136.8	16.83	31.5	127.9	15.16	31.7	122.9	14.06	31.8
	40	162	141.5	17.92	29.1	138.1	17.12	29.3	136.8	17.01	29.4	127.9	15.19	30.0	122.9	14.56	30.4
	40	324	141.5	17.31	34.5	138.1	16.68	34.6	136.8	16.43	34.7	127.9	14.64	35.0	122.9	14.02	35.2
	40	486	141.5	16.83	36.3	138.1	16.28	36.4	136.8	16.43	36.5	127.9	14.64	36.7	122.9	14.02	36.8
	45	162	141.5	17.31	34.0	138.1	16.55	34.2	136.8	16.43	34.4	127.9	14.49	35.0	122.9	14.41	35.4
	45	324	141.5	16.73	39.5	138.1	16.11	39.6	136.8	15.51	39.6	127.9	13.55	39.9	122.9	13.58	40.2
	45	486	141.5	15.77	41.3	138.1	15.51	41.4	136.8	15.99	41.4	127.9	13.96	41.6	122.9	14.03	41.8
120	5	162	122.8	28.24	-3.4	120.9	27.07	-3.3	116.9	26.30	-3.0	110.0	24.19	-2.6	105.3	22.35	-2.3
	5	324	125.9	28.64	0.7	123.2	27.62	0.8	118.3	26.91	1.0	111.3	24.70	1.2	106.6	22.62	1.3
	5	486	126.9	28.91	2.1	122.2	27.92	2.2	119.0	27.41	2.3	112.0	25.19	2.4	107.2	23.10	2.5
	10	162	123.6	25.28	1.3	121.2	24.22	1.4	116.9	23.72	1.8	110.0	21.81	2.2	105.3	20.27	2.5
	10	324	125.9	25.62	5.6	123.2	24.59	5.6	118.3	24.06	5.8	111.3	21.91	6.0	106.6	20.21	6.2
	10	486	126.9	25.48	7.0	122.6	24.59	7.1	119.7	24.19	7.2	112.0	22.03	7.3	107.2	20.29	7.4
	15	162	124.3	22.38	6.0	121.6	21.40	6.1	120.0	21.39	6.3	111.7	19.42	6.8	106.3	18.22	7.2
	15	324	126.9	22.58	10.4	124.6	21.60	10.4	122.7	21.56	10.5	114.3	19.15	10.8	108.5	17.64	11.0
	15	486	127.9	22.07	11.9	124.6	21.30	12.0	124.1	21.56	12.0	115.6	19.09	12.2	109.8	17.64	12.3
	20	162	127.6	20.09	10.5	125.2	19.02	10.6	123.1	18.80	10.8	114.6	17.03	11.4	108.8	16.96	11.9
	20	324	131.0	19.87	15.1	128.3	19.43	15.2	125.5	19.60	15.3	117.2	17.55	15.6	111.7	16.54	15.8
	20	486	131.6	19.82	16.7	127.9	19.09	16.8	127.5	19.14	16.8	118.5	17.19	17.0	112.6	16.63	17.2
	25	162	133.0	18.94	14.9	128.9	17.81	15.2	126.8	17.74	15.4	118.5	16.03	15.9	113.6	15.27	16.3
	25	324	133.3	18.66	19.9	128.9	17.71	20.1	126.8	17.64	20.2	118.5	15.72	20.5	113.6	15.36	20.7
	25	486	134.0	17.61	21.6	128.9	17.01	21.7	126.8	17.17	21.8	118.5	16.25	22.0	113.6	14.36	22.1
	30	162	133.6	18.02	19.8	128.9	16.94	20.1	126.8	16.73	20.3	118.5	14.69	20.8	113.6	14.81	21.3
	30	324	133.6	17.44	24.9	128.9	16.54	25.0	126.8	16.42	25.1	118.5	14.80	25.4	113.6	13.80	25.6
	30	486	133.6	16.58	26.5	128.9	15.97	26.7	126.8	15.94	26.7	118.5	14.20	26.9	113.6	14.38	27.1
	35	162	133.6	17.13	24.7	128.9	16.04	25.0	126.8	15.81	25.2	118.5	14.10	25.8	113.6	13.11	26.1
	35	324	133.6	16.14	29.8	128.9	15.43	30.0	126.8	15.19	30.1	118.5	13.59	30.4	113.6	12.56	30.5
	35	486	133.6	15.87	31.5	128.9	15.26	31.6	126.8	15.19	31.7	118.5	13.59	31.9	113.6	12.56	32.0
	40	162	133.6	16.52	29.6	128.9	15.26	29.9	126.8	14.89	30.1	118.5	13.20	30.7	113.6	12.61	31.1
	40	324	133.6	15.26	34.8	128.9	14.56	34.9	126.8	14.27	35.0	118.5	12.68	35.3	113.6	12.06	35.5
	40	486	133.6	14.95	36.5	128.9	14.26	36.6	126.8	14.27	36.7	118.5	12.68	36.9	113.6	12.06	37.0
	45	162	133.6	15.94	34.6	128.9	14.49	34.9	126.8	14.00	35.0	118.5	12.23	35.6	113.6	12.11	36.0
	45	324	133.6	14.33	39.7	128.9	13.65	39.9	126.8	13.35	40.0	118.5	11.62	40.3	113.6	11.56	40.5
	45	486	133.6	14.06	41.5	128.9	13.28	41.6	126.8	13.35	41.7	118.5	11.62	41.8	113.6	11.56	42.0
110	5	162	117.5	28.55	-2.9	114.9	27.19	-2.8	110.7	26.38	-2.5	104.6	24.19	-2.1	99.2	22.35	-1.8
	5	324	119.9	28.76	1.0	116.3	27.62	1.1	111.7	26.91	1.2	105.2	24.70	1.4	99.9	22.62	1.6
	5	486	120.9	29.18	2.3	117.0	27.92	2.4	112.1	27.18	2.5	105.2	24.93	2.6	100.2	23.10	2.7
	10	162	118.2	25.55	1.8	115.3	24.33	2.0	110.7	23.79	2.3	104.6	21.81	2.7	99.2	20.27	3.0
	10	324	119.9	25.72	5.8	116.3	24.59	5.9	111.7	24.06	6.1	105.2	21.91	6.3	99.9	20.21	6.5
	10	486	120.9	25.72	7.2	117.3	24.59	7.3	112.8	23.99	7.4	105.2	21.81	7.5	100.2	20.29	7.6
	15	162	118.6	22.51	6.5	115.6	21.60	6.7	113.6	21.56	6.9	106.2	19.42	7.3	100.1	18.22	7.8
	15	324	120.6	22.37	10.7	117.3	21.60	10.8	115.0	21.56	10.9	107.2	19.15	11.1	101.4	17.64	11.3
	15	486	121.6	22.17	12.1	118.0	21.30	12.1	116.0	21.11	12.2	107.8	18.68	12.4	101.7	17.64	12.5
	20	162	120.9	19.51	11.0	117.7	18.72	11.2	115.3	18.52	11.4	107.2	16.75	12.0	101.4	16.42	12.5
	20	324	123.6	19.43	15.4	119.0	18.82	15.6	116.3	19.02	15.7	108.8	17.01	15.9	102.7	15.76	16.2
	20	486	124.6	19.65	16.9	120.7	18.72	17.0	117.7	18.52	17.1	109.4	16.22	17.3	103.6	15.76	17.4
	25	162	124.3	17.67	15.6	120.3	16.73	15.8	117.4	16.72	16.1	109.4	14.88	16.6	103.9	13.92	17.0
	25	324	125.3	17.57	20.2	120.3	16.47	20.4	117.4	16.41	20.5	109.4	14.61	20.8	103.9	13.95	21.0
	25	486	126.3	17.57	21.8	120.3	16.57	21.9	117.4	15.93	22.0	109.4	15.11	22.2	103.9	13.03	22.3
	30	162	125.9	16.07	20.3	120.3	15.26	20.7	117.4	14.88	20.9	109.4	13.32	21.5	103.9	12.82	21.9
	30	324	125.9	15.80	25.1	120.3	14.96	25.3	117.4	14.57	25.5	109.4	13.36	25.7	103.9	12.12	25.9
	30	486	125.9	15.63	26.7	120.3	14.52	26.9	117.4	14.09	27.0	109.4	12.45	27.1	103.9	12.63	27.3
	35	162	125.9	15.18	25.2	120.3	14.05	25.6	117.4	13.68	25.8	109.4	12.13	26.4	103.9	11.20	26.8
	35	324	125.9	14.57	30.1	120.3	13.78	30.3	117.4	13.34	30.4	109.4	11.90	30.7	103.9	10.90	30.9
	35	486	125.9	14.02	31.7	120.3	13.31	31.8	117.4	12.93	31.9	109.4	11.90	32.1	103.9	10.90	32.3
	40	162	125.9	14.26	30.1	120.3	13.48	30.5	117.4	12.76	30.7	109.4	11.23	31.3	103.9	10.62	31.7
	40	324	125.9	13.68	35.0	120.3	12.87	35.2	117.4	12.15	35.3	109.4	10.97	35.6	103.9	10.39	35.9
	40	486	125.9	13.38	36.7	120.3	12.40	36.8	117.4	12.15	36.9	109.4	10.52	37.1	103.9	9.95	37.2
	45	162	125.9	13.34	35.0	120.3	12.87	35.5	117.4	11.84	35.7	109.4	10.32	36.2	103.9	10.06	36.7
	45	324	125.9	12.76	40.0	120.3	11.97	40.2	117.4	10.92	40.3	109.4	9.94	40.6	103.9	9.84	40.8
	45	486	125.9	12.76	41.7	120.3	11.49	41.8	117.4	11.40	41.9	109.4	9.13	42.0	103.9	8.92	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	162	112.2	28.64	-2.4	108.2	27.53	-2.1	104.3	26.45	-1.9	98.5	24.26	-1.6	93.0	22.07	-1.3
	5	324	113.9	29.15	1.3	109.2	28.00	1.4	104.7	26.99	1.6	98.5	24.77	1.7	93.0	22.51	1.9
	5	486	114.9	29.42	2.5	109.5	28.31	2.6	104.4	27.26	2.7	98.5	25.01	2.8	93.0	22.71	2.9
	10	162	112.9	25.63	2.3	108.5	24.63	2.6	104.3	23.86	2.9	98.5	21.87	3.2	93.0	20.02	3.5
	10	324	113.9	26.07	6.1	109.2	24.94	6.3	104.7	24.13	6.4	98.5	21.97	6.6	93.0	20.12	6.8
	10	486	114.9	25.93	7.4	109.8	24.94	7.5	105.0	24.06	7.6	98.5	21.87	7.7	93.0	19.95	7.8
	15	162	113.2	22.58	7.0	109.2	21.77	7.3	107.1	21.62	7.4	100.0	19.48	7.9	93.8	18.00	8.3
	15	324	113.9	23.03	11.0	109.2	21.84	11.1	107.1	21.62	11.2	100.0	19.21	11.4	93.8	17.69	11.6
	15	486	115.2	22.44	12.3	110.2	21.57	12.4	107.1	21.18	12.5	100.0	18.74	12.6	93.8	17.25	12.7
	20	162	114.2	19.30	11.6	109.5	18.47	11.9	107.1	18.27	12.1	100.0	16.51	12.6	93.8	15.60	13.1
	20	324	115.9	19.46	15.7	109.8	18.64	16.0	107.1	18.27	16.1	100.0	16.51	16.3	93.8	15.00	16.5
	20	486	116.9	19.13	17.1	111.5	18.30	17.3	107.1	17.79	17.4	100.0	15.74	17.5	93.8	14.56	17.7
	25	162	115.5	16.83	16.3	111.2	15.94	16.6	107.1	15.53	16.9	100.0	13.82	17.4	93.8	12.60	17.8
	25	324	117.2	16.87	20.6	111.2	15.60	20.8	107.1	15.23	20.9	100.0	13.51	21.2	93.8	12.60	21.4
	25	486	118.2	16.32	22.0	111.2	15.43	22.2	107.1	14.78	22.3	100.0	13.51	22.5	93.8	12.13	22.6
	30	162	117.9	15.23	20.9	111.2	13.82	21.4	107.1	13.10	21.7	100.0	11.69	22.2	93.8	11.12	22.7
	30	324	117.9	14.92	25.4	111.2	13.51	25.7	107.1	12.97	25.8	100.0	11.69	26.1	93.8	10.78	26.3
	30	486	117.9	14.47	27.0	111.2	13.51	27.1	107.1	12.69	27.2	100.0	11.22	27.4	93.8	10.78	27.6
	35	162	117.9	14.03	25.8	111.2	12.60	26.3	107.1	11.56	26.5	100.0	10.48	27.1	93.8	9.57	27.6
	35	324	117.9	13.38	30.4	111.2	12.00	30.6	107.1	11.43	30.8	100.0	10.21	31.0	93.8	9.30	31.3
	35	486	117.9	13.38	31.9	111.2	12.00	32.1	107.1	11.19	32.2	100.0	10.21	32.4	93.8	9.30	32.5
	40	162	117.9	13.10	30.7	111.2	11.69	31.2	107.1	10.37	31.4	100.0	9.30	32.0	93.8	8.69	32.5
	40	324	117.9	12.49	35.3	111.2	11.12	35.6	107.1	10.23	35.7	100.0	9.00	36.0	93.8	8.43	36.2
	40	486	117.9	12.04	36.9	111.2	11.12	37.0	107.1	9.96	37.1	100.0	9.00	37.3	93.8	8.43	37.5
	45	162	117.9	12.18	35.6	111.2	10.78	36.1	107.1	9.14	36.3	100.0	8.09	36.9	93.8	7.78	37.4
	45	324	117.9	11.56	40.3	111.2	10.21	40.5	107.1	9.00	40.7	100.0	7.78	40.9	93.8	7.52	41.2
	45	486	117.9	10.67	41.8	111.2	10.21	42.0	107.1	8.72	42.1	100.0	7.78	42.3	93.8	7.52	42.5
90	5	162	100.7	25.98	-1.6	97.4	24.54	-1.4	94.4	23.17	-1.3	86.7	21.28	-0.8	79.6	19.08	-0.4
	5	324	101.4	26.45	1.7	97.0	25.01	1.8	94.4	23.61	1.9	86.7	21.72	2.1	79.6	19.46	2.3
	5	486	102.0	26.69	2.8	97.7	25.24	2.9	94.4	23.89	2.9	86.7	21.93	3.1	79.6	19.70	3.2
	10	162	101.4	22.85	3.1	97.7	21.74	3.3	94.4	20.90	3.5	86.7	19.18	4.0	79.6	17.33	4.5
	10	324	101.0	22.92	6.5	97.4	21.84	6.7	94.4	20.97	6.8	86.7	19.12	7.0	79.6	17.37	7.2
	10	486	102.0	22.85	7.7	97.7	21.74	7.8	94.4	20.90	7.8	86.7	19.22	8.0	79.6	17.47	8.2
	15	162	101.7	19.72	7.7	98.0	18.98	8.0	94.4	18.64	8.3	88.4	17.09	8.7	84.0	15.58	8.9
	15	324	101.0	19.39	11.4	97.4	18.68	11.5	94.4	18.33	11.6	88.4	16.51	11.8	84.0	15.27	12.0
	15	486	102.0	18.98	12.6	97.7	18.28	12.7	94.4	17.85	12.7	88.4	16.51	12.9	84.0	15.27	13.0
	20	162	102.4	16.69	12.4	98.4	16.19	12.7	94.4	15.89	13.1	88.4	14.65	13.5	84.0	13.76	13.8
	20	324	102.0	16.69	16.2	97.7	15.99	16.4	96.2	15.89	16.4	88.4	14.07	16.7	84.0	13.14	16.9
	20	486	102.4	16.29	17.5	98.0	15.82	17.6	96.2	15.89	17.6	88.4	14.07	17.8	84.0	13.14	17.9
	25	162	104.4	14.57	17.1	99.7	13.80	17.4	96.2	13.68	17.7	88.4	12.22	18.3	84.0	11.33	18.6
	25	324	105.4	14.44	21.0	99.7	13.66	21.2	96.2	13.40	21.3	88.4	11.91	21.6	84.0	10.98	21.8
	25	486	106.1	13.87	22.3	99.7	13.19	22.4	96.2	13.40	22.6	88.4	11.91	22.7	84.0	10.98	22.8
	30	162	105.7	13.16	21.8	99.7	12.28	22.3	96.2	11.83	22.5	88.4	10.67	23.1	84.0	9.75	23.4
	30	324	105.7	12.89	25.9	99.7	11.98	26.1	96.2	11.55	26.3	88.4	10.40	26.6	84.0	9.75	26.7
	30	486	105.7	12.42	27.2	99.7	11.51	27.4	96.2	11.55	27.5	88.4	10.40	27.7	84.0	9.34	27.8
	35	162	105.7	11.98	26.7	99.7	11.11	27.2	96.2	10.60	27.4	88.4	9.47	28.0	84.0	8.85	28.3
	35	324	105.7	12.22	30.9	99.7	10.77	31.1	96.2	10.29	31.2	88.4	9.16	31.5	84.0	8.85	31.7
	35	486	105.7	11.21	32.2	99.7	10.98	32.4	96.2	9.80	32.5	88.4	9.16	32.7	84.0	8.85	32.8
	40	162	105.7	11.11	31.6	99.7	10.20	32.1	96.2	9.34	32.3	88.4	8.58	32.9	84.0	7.93	33.3
	40	324	105.7	10.47	35.8	99.7	9.89	36.0	96.2	9.03	36.1	88.4	8.24	36.5	84.0	7.65	36.6
	40	486	105.7	10.47	37.2	99.7	9.89	37.4	96.2	9.03	37.4	88.4	8.24	37.6	84.0	7.93	37.8
	45	162	105.7	10.20	36.5	99.7	9.29	37.0	96.2	8.08	37.2	88.4	7.65	37.9	84.0	7.00	38.2
	45	324	105.7	9.29	40.7	99.7	8.99	41.0	96.2	7.80	41.1	88.4	7.34	41.4	84.0	6.73	41.6
	45	486	105.7	10.67	42.2	99.7	9.46	42.3	96.2	8.22	42.4	88.4	7.34	42.6	84.0	6.73	42.7
80	5	162	96.1	21.41	-1.6	90.0	20.22	-1.2	86.7	19.16	-1.0	80.2	17.53	-0.5	73.7	15.72	-0.1
	5	324	96.1	21.80	1.7	90.0	20.60	1.9	86.8	19.53	2.0	80.2	17.90	2.2	73.7	16.03	2.4
	5	486	96.1	21.99	2.8	90.0	20.80	3.0	86.7	19.75	3.0	80.2	18.07	3.2	73.7	16.23	3.3
	10	162	96.1	18.83	3.2	90.0	17.91	3.6	86.7	17.28	3.9	80.2	15.81	4.3	73.7	14.28	4.7
	10	324	96.1	18.88	6.6	90.0	18.00	6.8	86.8	17.38	6.9	80.2	15.75	7.1	73.7	14.31	7.4
	10	486	96.1	18.83	7.7	90.0	17.91	7.9	86.9	17.32	7.9	80.2	15.84	8.1	73.7	14.39	8.3
	15	162	96.1	16.25	7.9	90.0	15.64	8.4	87.4	15.48	8.6	80.7	14.08	9.1	76.0	12.84	9.4
	15	324	96.1	15.97	11.5	90.0	15.39	11.7	87.4	15.30	11.8	80.7	13.60	12.0	76.0	12.58	12.2
	15	486	96.1	15.64	12.6	90.0	15.06	12.8	87.4	14.92	12.9	80.7	13.60	13.0	76.0	12.58	13.1
	20	162	96.1	13.75	12.7	90.0	13.34	13.2	87.4	13.17	13.4	80.7	12.07	13.9	76.0	11.34	14.3
	20	324	96.1	13.75	16.4	90.0	13.17	16.6	87.4	13.35	16.7	80.7	11.59	16.9	76.0	10.83	17.1
	20	486	96.1	13.42	17.6	90.0	13.03	17.7	87.4	13.25	17.8	80.7	11.59	18.0	76.0	10.83	18.1
	25	162	96.6	12.01	17.5	90.4	11.37	18.0	87.4	11.30	18.3	80.7	10.07	18.8	76.0	9.33	19.1
	25	324	96.6	11.90	21.3	90.4	11.26	21.5	87.4	11.07	21.6	80.7	9.81	21.9	76.0	9.05	22.0
	25	486	96.6	11.43	22.5	90.4	10.87	22.7	87.4	10.97	22.7	80.7	9.81	22.9	76.0	9.05	23.0
	30	162	96.6	10.84	22.4	90.4	10.12	22.9	87.4	9.70	23.1	80.7	8.79	23.6	76.0	8.03	24.0
	30	324	96.6	10.62	26.2	90.4	9.87	26.4	87.4	9.50	26.6	80.7	8.57	26.8	76.0	8.03	27.0
	30	486	96.6	10.23	27.5	90.4	9.48	27.6	87.4	9.45	27.7	80.7	8.57	27.9	76.0	7.69	28.0
	35	162	96.6	9.87	27.3	90.4	9.15	27.8	87.4	8.66	28.0	80.7	7.80	28.6	76.0	7.30	28.9
	35	324	96.6	10.07	31.2	90.4	8.87	31.4	87.4	8.44	31.5	80.7	7.55	31.8	76.0	7.30	32.0
	35	486	96.6	9.23	32.4	90.4	9.05	32.6	87.4	8.10	32.7	80.7	7.55	32.8	76.0	7.30	33.0
	40	162	96.6	9.15	32.3	90.4	8.40	32.7	87.4	7.66	32.9	80.7	7.07	33.5	76.0	6.53	33.9
	40	324	96.6	8.62	36.1	90.4	8.15	36.4	87.4	7.45	36.5	80.7	6.79	36.7	76.0	6.31	36.9
	40	486	96.6	8.62	37.4	90.4	8.15	37.6	87.4	7.39	37.6	80.7	6.79	37.8	76.0	6.53	38.0
	45	162	96.6	8.62	37.2	90.4	8.15	37.7	87.4	7.22	37.9	80.7	6.79	38.5	76.0	6.53	38.9
	45	324	96.6	8.62	41.1	90.4	8.15	41.4	87.4	7.19	41.5	80.7	6.79	41.7	76.0	6.53	41.9
	45	486	96.6	8.62	42.4	90.4	8.15	42.6	87.4	7.14	42.6	80.7	6.79	42.8	76.0	6.53	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	162	83.0	17.92	-0.8	77.7	16.93	-0.4	75.5	15.98	-0.3	69.3	14.68	0.2	63.6	13.16	0.5
	5	324	83.0	18.25	2.1	77.7	17.25	2.3	75.5	16.29	2.4	69.3	14.99	2.6	63.6	13.42	2.8
	5	486	83.0	18.41	3.1	77.7	17.41	3.2	75.5	16.48	3.3	69.3	15.13	3.4	63.6	13.59	3.5
	10	162	83.0	15.77	4.0	77.7	15.00	4.4	75.5	14.42	4.6	69.3	13.24	5.0	63.6	11.96	5.4
	10	324	83.0	15.81	7.0	77.7	15.07	7.2	75.5	14.47	7.3	69.3	13.19	7.5	63.6	11.98	7.7
	10	486	83.0	15.77	8.0	77.7	15.00	8.1	75.5	14.42	8.2	69.3	13.26	8.3	63.6	12.05	8.5
	15	162	83.0	13.61	8.9	77.7	13.10	9.3	75.5	12.86	9.5	69.7	11.79	9.9	65.7	10.75	10.1
	15	324	83.0	13.37	11.9	77.7	12.89	12.1	75.5	12.64	12.2	69.7	11.39	12.4	65.7	10.54	12.6
	15	486	83.0	13.10	12.9	77.7	12.61	13.1	75.5	12.31	13.1	69.7	11.39	13.3	65.7	10.54	13.4
	20	162	83.0	11.52	13.7	77.7	11.17	14.1	75.5	10.96	14.3	69.7	10.11	14.7	65.7	9.49	15.0
	20	324	83.0	11.52	16.8	77.7	11.03	17.0	75.5	11.18	17.2	69.7	9.71	17.3	65.7	9.07	17.5
	20	486	83.0	11.24	17.9	77.7	10.91	18.0	75.5	11.18	18.1	69.7	9.71	18.2	65.7	9.07	18.3
	25	162	83.5	10.05	18.5	78.1	9.52	18.9	75.5	9.44	19.2	69.7	8.43	19.6	65.7	7.81	19.9
	25	324	83.5	9.96	21.7	78.1	9.43	22.0	75.5	9.25	22.1	69.7	8.22	22.3	65.7	7.58	22.4
	25	486	83.5	9.57	22.8	78.1	9.10	23.0	75.5	9.25	23.0	69.7	8.22	23.2	65.7	7.58	23.3
	30	162	83.5	9.08	23.4	78.1	8.47	23.8	75.5	8.16	24.0	69.7	7.36	24.5	65.7	6.72	24.8
	30	324	83.5	8.89	26.7	78.1	8.27	26.9	75.5	7.97	27.0	69.7	7.17	27.2	65.7	6.72	27.4
	30	486	83.5	8.57	27.8	78.1	7.94	27.9	75.5	7.97	28.0	69.7	7.17	28.2	65.7	6.44	28.3
	35	162	83.5	8.27	28.3	78.1	7.66	28.8	75.5	7.32	29.0	69.7	6.53	29.4	65.7	6.11	29.7
	35	324	83.5	8.43	31.7	78.1	7.43	31.9	75.5	7.10	32.0	69.7	6.32	32.2	65.7	6.11	32.4
	35	486	83.5	7.73	32.8	78.1	7.58	32.9	75.5	6.76	33.0	69.7	6.32	33.1	65.7	6.11	33.2
	40	162	83.5	7.66	33.3	78.1	7.04	33.7	75.5	6.45	33.9	69.7	5.92	34.4	65.7	5.47	34.7
	40	324	83.5	7.22	36.6	78.1	6.83	36.8	75.5	6.23	36.9	69.7	5.68	37.2	65.7	5.28	37.3
	40	486	83.5	7.22	37.8	78.1	6.83	37.9	75.5	6.23	38.0	69.7	5.68	38.1	65.7	5.47	38.2
	45	162	83.5	7.22	38.3	78.1	6.83	38.7	75.5	6.23	38.9	69.7	5.68	39.3	65.7	5.47	39.7
	45	324	83.5	7.22	41.6	78.1	6.83	41.8	75.5	6.23	41.9	69.7	5.68	42.2	65.7	5.47	42.3
	45	486	83.5	7.22	42.8	78.1	6.83	42.9	75.5	6.23	43.0	69.7	5.68	43.1	65.7	5.47	43.2
60	5	162	71.1	14.45	0.0	66.5	13.64	0.3	64.6	12.88	0.4	59.3	11.83	0.8	54.5	10.61	1.1
	5	324	71.1	14.71	2.5	66.5	13.90	2.7	64.6	13.13	2.7	59.3	12.08	2.9	54.5	10.82	3.1
	5	486	71.1	14.84	3.3	66.5	14.03	3.5	64.6	13.28	3.5	59.3	12.19	3.6	54.5	10.95	3.7
	10	162	71.1	12.70	4.8	66.5	12.09	5.2	64.6	11.62	5.3	59.3	10.67	5.7	54.5	9.64	6.0
	10	324	71.1	12.74	7.4	66.5	12.14	7.6	64.6	11.66	7.7	59.3	10.63	7.8	54.5	9.65	8.0
	10	486	71.1	12.70	8.3	66.5	12.09	8.4	64.6	11.62	8.4	59.3	10.68	8.6	54.5	9.71	8.7
	15	162	71.1	10.96	9.7	66.5	10.55	10.0	64.6	10.36	10.2	59.6	9.50	10.6	56.2	8.66	10.8
	15	324	71.1	10.78	12.3	66.5	10.38	12.5	64.6	10.19	12.6	59.6	9.18	12.8	56.2	8.49	12.9
	15	486	71.1	10.55	13.2	66.5	10.16	13.3	64.6	9.92	13.4	59.6	9.18	13.5	56.2	8.49	13.6
	20	162	71.1	9.28	14.5	66.5	9.00	14.9	64.6	8.83	15.1	59.6	8.15	15.4	56.2	7.65	15.7
	20	324	71.1	9.28	17.3	66.5	8.89	17.4	64.6	9.01	17.5	59.6	7.82	17.7	56.2	7.31	17.8
	20	486	71.1	9.06	18.2	66.5	8.79	18.3	64.6	9.01	18.4	59.6	7.82	18.5	56.2	7.31	18.6
	25	162	71.4	8.10	19.4	66.9	7.67	19.8	64.6	7.61	20.0	59.6	6.79	20.3	56.2	6.30	20.6
	25	324	71.4	8.03	22.2	66.9	7.60	22.4	64.6	7.45	22.5	59.6	6.62	22.7	56.2	6.11	22.8
	25	486	71.4	7.71	23.1	66.9	7.33	23.2	64.6	7.45	23.3	59.6	6.62	23.4	56.2	6.11	23.5
	30	162	71.4	7.32	24.3	66.9	6.83	24.7	64.6	6.58	24.9	59.6	5.93	25.2	56.2	5.42	25.5
	30	324	71.4	7.17	27.2	66.9	6.66	27.3	64.6	6.42	27.4	59.6	5.78	27.6	56.2	5.42	27.8
	30	486	71.4	6.90	28.1	66.9	6.40	28.2	64.6	6.42	28.3	59.6	5.78	28.4	56.2	5.19	28.5
	35	162	71.4	6.66	29.3	66.9	6.17	29.6	64.6	5.90	29.8	59.6	5.27	30.2	56.2	4.92	30.5
	35	324	71.4	6.79	32.1	66.9	5.99	32.3	64.6	5.72	32.4	59.6	5.09	32.6	56.2	4.92	32.7
	35	486	71.4	6.23	33.1	66.9	6.11	33.2	64.6	5.45	33.3	59.6	5.09	33.4	56.2	4.92	33.5
	40	162	71.4	6.17	34.2	66.9	5.67	34.6	64.6	5.19	34.7	59.6	4.77	35.1	56.2	4.41	35.4
	40	324	71.4	5.82	37.1	66.9	5.50	37.3	64.6	5.02	37.4	59.6	4.58	37.6	56.2	4.25	37.7
	40	486	71.4	5.82	38.1	66.9	5.50	38.2	64.6	5.02	38.2	59.6	4.58	38.4	56.2	4.41	38.5
	45	162	71.4	5.82	39.2	66.9	5.50	39.6	64.6	5.02	39.7	59.6	4.58	40.1	56.2	4.41	40.4
	45	324	71.4	5.82	42.1	66.9	5.50	42.3	64.6	5.02	42.4	59.6	4.58	42.6	56.2	4.41	42.7
	45	486	71.4	5.82	43.1	66.9	5.50	43.2	64.6	5.02	43.2	59.6	4.58	43.4	56.2	4.41	43.5
50	5	162	59.1	11.46	0.8	55.0	10.81	1.1	53.3	10.26	1.2	49.3	9.42	1.5	45.7	8.48	1.7
	5	324	59.1	11.67	2.9	55.2	11.01	3.0	53.4	10.46	3.1	49.3	9.62	3.2	45.7	8.65	3.4
	5	486	59.1	11.78	3.6	55.2	11.12	3.7	53.3	10.58	3.7	49.3	9.71	3.8	45.7	8.75	3.9
	10	162	59.1	10.08	5.7	55.1	9.61	6.0	53.3	9.25	6.1	49.3	8.49	6.4	45.7	7.70	6.6
	10	324	59.1	10.11	7.8	55.2	9.67	8.0	53.4	9.31	8.1	49.3	8.48	8.2	45.7	7.72	8.3
	10	486	59.1	10.08	8.6	55.3	9.64	8.7	53.4	9.28	8.7	49.3	8.50	8.8	45.7	7.74	8.9
	15	162	59.1	8.70	10.5	55.2	8.42	10.9	53.7	8.29	11.0	49.7	7.56	11.3	46.8	6.92	11.5
	15	324	59.1	8.55	12.8	55.2	8.33	12.9	53.7	8.19	13.0	49.7	7.35	13.1	46.8	6.79	13.2
	15	486	59.1	8.38	13.5	55.3	8.17	13.6	53.7	7.99	13.7	49.7	7.30	13.7	46.8	6.74	13.8
	20	162	59.1	7.37	15.4	55.2	7.17	15.7	53.7	7.05	15.9	49.7	6.46	16.2	46.8	6.08	16.4
	20	324	59.1	7.37	17.7	55.3	7.12	17.9	53.7	7.15	17.9	49.7	6.28	18.1	46.8	5.82	18.2
	20	486	59.1	7.19	18.5	55.5	7.03	18.6	53.7	7.10	18.6	49.7	6.19	18.7	46.8	5.77	18.8
	25	162	59.4	6.43	20.3	55.7	6.13	20.6	53.7	6.05	20.8	49.7	5.40	21.1	46.8	4.98	21.3
	25	324	59.4	6.37	22.7	55.7	6.05	22.8	53.7	5.93	22.9	49.7	5.26	23.0	46.8	4.87	23.1
	25	486	59.4	6.12	23.4	55.7	5.88	23.5	53.7	5.88	23.6	49.7	5.26	23.7	46.8	4.82	23.8
	30	162	59.4	5.81	25.3	55.7	5.42	25.6	53.7	5.19	25.7	49.7	4.67	26.0	46.8	4.31	26.2
	30	324	59.4	5.69	27.6	55.7	5.29	27.8	53.7	5.09	27.8	49.7	4.58	28.0	46.8	4.28	28.1
	30	486	59.4	5.48	28.4	55.7	5.14	28.5	53.7	5.06	28.6	49.7	4.58	28.7	46.8	4.15	28.7
	35	162	59.4	5.29	30.2	55.7	4.91	30.5	53.7	4.64	30.7	49.7	4.29	31.0	46.8	3.86	31.2
	35	324	59.4	5.39	32.6	55.7	4.74	32.7	53.7	4.54	32.8	49.7	4.19	33.0	46.8	3.86	33.1
	35	486	59.4	4.94	33.4	55.7	4.80	33.5	53.7	4.38	33.5	49.7	4.19	33.7	46.8	3.86	33.7
	40	162	59.4	4.90	35.2	55.7	4.52	35.5	53.7	4.24	35.6	49.7	4.00	36.0	46.8	3.57	36.2
	40	324	59.4	4.62	37.6	55.7	4.36	37.7	53.7	4.14	37.8	49.7	3.89	38.0	46.8	3.48	38.1
	40	486	59.4	4.62	38.4	55.7	4.36	38.5	53.7	4.14	38.5	49.7	3.89	38.6	46.8	3.57	38.7
	45	162	59.4	4.62	40.2	55.7	4.32	40.5	53.7	4.01	40.6	49.7	3.62	40.9	46.8	3.57	41.2
	45	324	59.4	4.62	42.6	55.7	4.32	42.7	53.7	4.01	42.8	49.7	3.62	43.0	46.8	3.57	43.1
	45	486	59.4	4.62	43.4	55.7	4.32	43.5	53.7	4.01	43.5	49.7	3.62	43.6	46.8	3.57	43.7

12. Capacity Table

1-14. AM360FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	175	101.5	7.05	18.9	111.6	8.39	19.8	119.9	9.19	20.6	128.7	9.75	21.3	132.1	9.87	21.6
	10	350	101.5	6.53	14.4	111.6	7.75	14.9	119.9	8.76	15.3	128.7	9.20	15.6	132.1	9.21	15.8
	10	525	101.5	6.43	12.9	111.6	7.72	13.3	119.9	8.29	13.5	128.7	9.03	13.8	132.1	9.24	13.9
	15	175	99.7	9.09	23.9	109.8	10.77	24.9	118.1	11.96	25.7	126.5	12.54	26.4	130.0	12.82	26.7
	15	350	99.7	8.48	19.4	109.8	9.98	19.9	118.1	11.14	20.3	126.5	11.72	20.7	130.0	11.98	20.8
	15	525	99.7	8.23	17.9	109.8	9.73	18.3	118.1	10.77	18.5	126.5	11.30	18.8	130.0	11.65	18.9
	20	175	98.3	10.84	28.9	108.3	12.68	29.9	116.6	14.16	30.7	124.7	14.84	31.4	128.2	15.16	31.7
	20	350	98.3	10.63	24.5	108.3	12.49	24.9	116.6	13.96	25.3	124.7	14.67	25.7	128.2	14.95	25.9
	20	525	98.3	10.26	23.0	108.3	12.11	23.3	116.6	13.54	23.6	124.7	14.12	23.8	128.2	14.56	23.9
	25	175	98.3	13.60	34.2	108.3	16.02	35.2	116.6	17.84	36.0	124.7	18.75	36.7	128.2	19.06	37.1
	25	350	98.3	12.71	29.5	108.3	14.95	30.0	116.6	16.63	30.5	124.7	17.52	30.8	128.2	17.80	31.0
	25	525	98.3	12.23	28.0	108.3	14.47	28.4	116.6	16.10	28.6	124.7	16.89	28.9	128.2	17.37	29.0
	30	175	98.3	15.96	39.4	108.3	18.76	40.4	116.6	20.94	41.3	124.7	21.97	42.0	128.2	22.33	42.3
	30	350	98.3	15.70	34.7	108.3	18.47	35.2	116.6	20.55	35.6	124.7	21.64	36.0	128.2	22.07	36.2
	30	525	98.3	15.19	33.1	108.3	17.88	33.4	116.6	19.95	33.7	124.7	20.93	34.0	128.2	21.49	34.1
	35	175	92.9	16.61	44.0	102.6	19.56	45.0	110.3	21.82	45.8	118.4	22.85	46.6	121.1	23.25	46.8
	35	350	92.9	16.29	39.5	102.6	19.24	40.0	110.3	21.43	40.4	118.4	22.52	40.8	121.1	22.99	40.9
	35	525	92.9	15.86	38.0	102.6	18.65	38.3	110.3	20.73	38.6	118.4	21.80	38.8	121.1	22.39	38.9
	40	175	77.7	17.30	47.8	85.6	20.35	48.7	92.1	22.70	49.4	98.7	23.81	50.0	101.5	24.29	50.3
	40	350	78.4	17.01	43.9	86.3	20.05	44.4	92.9	22.29	44.7	99.5	23.45	45.0	102.3	23.96	45.2
	40	525	79.5	16.48	42.6	87.5	19.36	42.9	94.3	21.64	43.2	100.9	22.70	43.4	103.8	23.38	43.5
	45	175	64.8	17.86	51.8	71.1	21.03	52.5	76.4	23.46	53.2	82.0	24.57	53.7	84.2	25.08	53.9
	45	350	65.4	17.56	48.4	71.7	20.68	48.8	77.1	23.02	49.1	82.6	24.28	49.4	84.9	24.75	49.5
	45	525	66.3	17.00	47.3	72.8	19.97	47.5	78.2	22.35	47.7	83.8	23.43	47.9	86.1	24.17	48.0
120	10	175	96.1	6.69	18.4	105.8	7.95	19.3	113.8	8.72	20.0	121.8	9.21	20.7	124.9	9.33	21.0
	10	350	96.1	6.25	14.2	105.8	7.42	14.6	113.8	8.29	15.0	121.8	8.69	15.3	124.9	8.71	15.5
	10	525	96.1	5.96	12.8	105.8	7.31	13.1	113.8	7.83	13.3	121.8	8.56	13.6	124.9	8.83	13.7
	15	175	95.0	8.70	23.5	104.3	10.27	24.4	112.3	11.46	25.1	120.4	12.01	25.8	123.5	12.21	26.1
	15	350	95.0	8.13	19.2	104.3	9.55	19.7	112.3	10.68	20.0	120.4	11.19	20.4	123.5	11.42	20.5
	15	525	95.0	7.85	17.8	104.3	9.30	18.1	112.3	10.28	18.3	120.4	10.81	18.6	123.5	11.15	18.7
	20	175	94.0	10.42	28.5	103.2	12.19	29.5	111.2	13.61	30.2	119.3	14.29	30.9	122.4	14.57	31.2
	20	350	94.0	10.19	24.3	103.2	11.98	24.7	111.2	13.41	25.1	119.3	14.09	25.5	122.4	14.33	25.6
	20	525	94.0	9.90	22.8	103.2	11.67	23.1	111.2	13.00	23.4	119.3	13.58	23.6	122.4	13.97	23.7
	25	175	94.0	13.07	33.8	103.2	15.37	34.7	111.2	17.06	35.5	119.3	17.97	36.2	122.4	18.28	36.5
	25	350	94.0	12.15	29.3	103.2	14.34	29.8	111.2	15.96	30.2	119.3	16.75	30.6	122.4	17.06	30.7
	25	525	94.0	11.71	27.9	103.2	13.83	28.2	111.2	15.44	28.5	119.3	16.19	28.7	122.4	16.59	28.8
	30	175	94.0	15.41	39.0	103.2	18.13	39.9	111.2	20.22	40.8	119.3	21.21	41.5	122.4	21.58	41.8
	30	350	94.0	15.15	34.5	103.2	17.81	35.0	111.2	19.86	35.4	119.3	20.88	35.7	122.4	21.28	35.9
	30	525	94.0	14.65	33.0	103.2	17.26	33.3	111.2	19.26	33.6	119.3	20.24	33.8	122.4	20.72	33.9
	35	175	90.2	16.26	43.7	99.5	19.17	44.7	107.2	21.35	45.5	114.6	22.36	46.2	117.7	22.79	46.5
	35	350	90.2	15.95	39.3	99.5	18.82	39.8	107.2	20.98	40.3	114.6	22.04	40.6	117.7	22.47	40.7
	35	525	90.2	15.49	37.9	99.5	18.27	38.2	107.2	20.29	38.5	114.6	21.32	38.7	117.7	21.90	38.8
	40	175	77.0	17.26	47.7	84.9	20.32	48.6	91.4	22.67	49.3	97.6	23.78	49.9	100.4	24.26	50.2
	40	350	77.6	16.97	43.9	85.6	20.01	44.3	92.2	22.25	44.7	98.4	23.38	45.0	101.3	23.89	45.1
	40	525	78.8	16.45	42.6	86.8	19.40	42.9	93.5	21.60	43.1	99.8	22.70	43.3	102.7	23.27	43.4
	45	175	65.5	18.13	51.8	72.5	21.38	52.7	78.1	23.84	53.4	83.3	24.98	53.9	85.5	25.50	54.1
	45	350	66.0	17.85	48.4	73.1	21.01	48.9	78.8	23.42	49.2	84.0	24.61	49.4	86.2	25.12	49.6
	45	525	67.0	17.25	47.3	74.2	20.38	47.6	79.9	22.71	47.8	85.2	23.86	48.0	87.5	24.39	48.1
110	10	175	90.7	6.26	17.9	99.6	7.51	18.8	107.3	8.22	19.5	115.0	8.71	20.1	117.7	8.79	20.4
	10	350	90.7	5.86	14.0	99.6	6.95	14.4	107.3	7.82	14.7	115.0	8.26	15.0	117.7	8.18	15.2
	10	525	90.7	5.67	12.6	99.6	6.83	12.9	107.3	7.47	13.1	115.0	8.08	13.4	117.7	8.27	13.4
	15	175	90.0	8.28	23.0	98.9	9.80	23.9	106.6	10.93	24.6	114.3	11.44	25.3	117.4	11.68	25.6
	15	350	90.0	7.74	19.0	98.9	9.09	19.4	106.6	10.19	19.8	114.3	10.70	20.1	117.4	10.89	20.3
	15	525	90.0	7.49	17.7	98.9	8.84	17.9	106.6	9.86	18.2	114.3	10.32	18.4	117.4	10.58	18.5
	20	175	89.6	10.01	28.2	98.5	11.70	29.0	106.2	13.09	29.8	113.5	13.70	30.4	116.6	13.99	30.7
	20	350	89.6	9.79	24.1	98.5	11.50	24.5	106.2	12.87	24.9	113.5	13.51	25.2	116.6	13.75	25.3
	20	525	89.6	9.50	22.7	98.5	11.20	23.0	106.2	12.49	23.2	113.5	13.07	23.5	116.6	13.35	23.5
	25	175	89.6	12.51	33.4	98.5	14.70	34.3	106.2	16.36	35.0	113.5	17.16	35.7	116.6	17.47	36.0
	25	350	89.6	11.66	29.1	98.5	13.70	29.6	106.2	15.26	30.0	113.5	16.01	30.3	116.6	16.29	30.4
	25	525	89.6	11.21	27.8	98.5	13.23	28.1	106.2	14.77	28.3	113.5	15.49	28.5	116.6	15.81	28.6
	30	175	89.6	14.86	38.6	98.5	17.47	39.5	106.2	19.49	40.3	113.5	20.45	41.0	116.6	20.82	41.3
	30	350	89.6	14.61	34.3	98.5	17.18	34.7	106.2	19.14	35.1	113.5	20.12	35.5	116.6	20.48	35.6
	30	525	89.6	14.14	32.8	98.5	16.67	33.1	106.2	18.57	33.4	113.5	19.48	33.6	116.6	19.92	33.7
	35	175	87.6	15.90	43.5	96.8	18.74	44.5	103.8	20.89	45.2	111.5	21.86	45.9	114.3	22.30	46.2
	35	350	87.6	15.62	39.2	96.8	18.41	39.7	103.8	20.53	40.1	111.5	21.52	40.4	114.3	21.95	40.6
	35	525	87.6	15.15	37.8	96.8	17.86	38.1	103.8	19.84	38.4	111.5	20.87	38.6	114.3	21.33	38.7
	40	175	76.3	17.26	47.7	84.1	20.32	48.6	90.4	22.63	49.3	96.9	23.74	49.9	99.7	24.22	50.1
	40	350	76.9	16.93	43.8	84.8	19.98	44.3	91.1	22.25	44.6	97.7	23.34	45.0	100.5	23.81	45.1
	40	525	78.0	16.41	42.6	86.1	19.36	42.9	92.4	21.57	43.1	99.1	22.66	43.3	102.0	23.16	43.4
	45	175	66.8	18.47	52.0	73.5	21.73	52.8	79.2	24.22	53.5	85.0	25.39	54.0	87.2	25.91	54.3
	45	350	67.4	18.11	48.5	74.2	21.34	48.9	79.8	23.78	49.2	85.7	25.04	49.5	87.9	25.48	49.6
	45	525	68.4	17.50	47.3	75.2	20.70	47.6	81.0	23.07	47.8	86.9	24.26	48.0	89.2	24.72	48.1

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	175	85.0	5.94	17.4	93.8	6.99	18.3	100.8	7.79	18.9	108.1	8.18	19.5	110.9	8.33	19.8
	10	350	85.0	5.54	13.7	93.8	6.55	14.1	100.8	7.42	14.4	108.1	7.75	14.7	110.9	7.75	14.9
	10	525	85.0	5.35	12.5	93.8	6.42	12.7	100.8	7.01	12.9	108.1	7.60	13.2	110.9	7.71	13.2
	15	175	85.0	7.93	22.6	93.8	9.34	23.4	100.8	10.40	24.1	108.1	10.91	24.7	110.9	11.12	25.0
	15	350	85.0	7.39	18.8	93.8	8.70	19.2	100.8	9.69	19.5	108.1	10.17	19.8	110.9	10.36	20.0
	15	525	85.0	7.14	17.5	93.8	8.41	17.8	100.8	9.37	18.0	108.1	9.83	18.2	110.9	10.01	18.3
	20	175	85.0	9.56	27.7	93.8	11.25	28.6	100.8	12.54	29.3	108.1	13.15	29.9	110.9	13.40	30.2
	20	350	85.0	9.39	23.9	93.8	11.06	24.3	100.8	12.32	24.6	108.1	12.93	25.0	110.9	13.17	25.1
	20	525	85.0	9.10	22.6	93.8	10.72	22.9	100.8	11.94	23.1	108.1	12.53	23.3	110.9	12.76	23.4
	25	175	85.0	11.91	32.9	93.8	14.02	33.8	100.8	15.62	34.5	108.1	16.39	35.2	110.9	16.69	35.4
	25	350	85.0	11.09	28.9	93.8	13.06	29.4	100.8	14.55	29.7	108.1	15.27	30.1	110.9	15.55	30.2
	25	525	85.0	10.72	27.6	93.8	12.63	27.9	100.8	14.07	28.1	108.1	14.76	28.4	110.9	15.04	28.4
	30	175	85.0	14.31	38.1	93.8	16.85	39.1	100.8	18.77	39.8	108.1	19.69	40.5	110.9	20.06	40.7
	30	350	85.0	14.06	34.1	93.8	16.56	34.5	100.8	18.45	34.9	108.1	19.36	35.2	110.9	19.72	35.3
	30	525	85.0	13.63	32.7	93.8	16.05	33.0	100.8	17.88	33.2	108.1	18.76	33.5	110.9	19.11	33.5
	35	175	85.0	15.55	43.2	93.8	18.31	44.2	100.8	20.40	44.9	108.1	21.40	45.6	110.9	21.80	45.9
	35	350	85.0	15.28	39.1	93.8	17.99	39.6	100.8	20.05	39.9	108.1	21.03	40.3	110.9	21.43	40.4
	35	525	85.0	14.81	37.7	93.8	17.44	38.0	100.8	19.43	38.3	108.1	20.39	38.5	110.9	20.77	38.6
	40	175	75.6	17.23	47.6	83.4	20.28	48.5	89.7	22.60	49.2	96.2	23.71	49.8	98.6	24.15	50.1
	40	350	76.2	16.93	43.8	84.1	19.94	44.3	90.4	22.21	44.6	97.0	23.30	44.9	99.5	23.74	45.0
	40	525	77.3	16.41	42.6	85.3	19.32	42.9	91.7	21.53	43.1	98.4	22.59	43.3	100.9	23.01	43.4
	45	175	67.9	18.75	52.1	74.9	22.08	52.9	80.5	24.60	53.6	86.4	25.80	54.2	88.6	26.29	54.4
	45	350	68.4	18.43	48.6	75.5	21.70	49.0	81.2	24.18	49.3	87.1	25.37	49.6	89.3	25.84	49.7
	45	525	69.4	17.86	47.4	76.6	21.03	47.7	82.4	23.43	47.9	88.3	24.58	48.1	90.6	25.04	48.2
90	10	175	76.6	5.21	16.7	84.6	6.13	17.4	90.9	6.83	18.0	97.5	7.17	18.6	100.0	7.30	18.8
	10	350	76.6	5.12	13.3	84.6	6.03	13.7	90.9	6.72	14.0	97.5	7.05	14.3	100.0	7.18	14.4
	10	525	76.6	4.96	12.2	84.6	5.84	12.5	90.9	6.51	12.7	97.5	6.83	12.8	100.0	6.96	12.9
	15	175	76.6	6.95	21.8	84.6	8.19	22.6	90.9	9.12	23.2	97.5	9.57	23.8	100.0	9.75	24.0
	15	350	76.6	6.83	18.4	84.6	8.05	18.8	90.9	8.97	19.1	97.5	9.41	19.4	100.0	9.58	19.5
	15	525	76.6	6.62	17.3	84.6	7.80	17.5	90.9	8.69	17.7	97.5	9.12	17.9	100.0	9.29	18.0
	20	175	76.6	8.38	27.0	84.6	9.87	27.7	90.9	10.99	28.3	97.5	11.53	28.9	100.0	11.75	29.2
	20	350	76.6	8.24	23.5	84.6	9.70	23.9	90.9	10.81	24.2	97.5	11.34	24.5	100.0	11.55	24.6
	20	525	76.6	7.98	22.3	84.6	9.40	22.6	90.9	10.47	22.8	97.5	10.99	23.0	100.0	11.19	23.0
	25	175	76.6	10.44	32.1	84.6	12.29	32.9	90.9	13.70	33.6	97.5	14.37	34.2	100.0	14.64	34.4
	25	350	76.6	10.26	28.6	84.6	12.08	29.0	90.9	13.46	29.3	97.5	14.13	29.6	100.0	14.39	29.7
	25	525	76.6	9.95	27.4	84.6	11.71	27.6	90.9	13.05	27.8	97.5	13.69	28.0	100.0	13.95	28.1
	30	175	76.6	12.55	37.3	84.6	14.77	38.1	90.9	16.46	38.8	97.5	17.27	39.4	100.0	17.59	39.6
	30	350	76.6	12.33	33.6	84.6	14.52	34.1	90.9	16.18	34.4	97.5	16.97	34.7	100.0	17.29	34.8
	30	525	76.6	11.95	32.4	84.6	14.08	32.7	90.9	15.68	32.9	97.5	16.45	33.1	100.0	16.76	33.2
	35	175	76.6	13.63	42.4	84.6	16.05	43.2	90.9	17.89	43.9	97.5	18.76	44.5	100.0	19.12	44.8
	35	350	76.6	13.40	38.7	84.6	15.78	39.1	90.9	17.58	39.4	97.5	18.45	39.7	100.0	18.79	39.9
	35	525	76.6	12.99	37.4	84.6	15.29	37.7	90.9	17.04	37.9	97.5	17.88	38.2	100.0	18.21	38.2
	40	175	68.1	15.11	46.8	75.2	17.79	47.6	80.9	19.82	48.2	86.7	20.79	48.8	88.9	21.18	49.0
	40	350	68.7	14.85	43.4	75.9	17.48	43.8	81.5	19.48	44.1	87.5	20.44	44.4	89.7	20.82	44.5
	40	525	69.7	14.39	42.3	76.9	16.95	42.6	82.7	18.88	42.8	88.7	19.81	43.0	91.0	20.18	43.0
	45	175	61.2	16.44	51.4	67.5	19.36	52.1	72.6	21.57	52.7	77.9	22.63	53.2	79.9	23.05	53.4
	45	350	61.7	16.16	48.2	68.1	19.03	48.6	73.2	21.20	48.9	78.5	22.24	49.1	80.5	22.66	49.2
	45	525	62.6	15.67	47.1	69.1	18.45	47.4	74.3	20.55	47.6	79.7	21.56	47.8	81.7	21.96	47.8
80	10	175	68.0	4.29	15.9	75.1	5.06	16.6	80.7	5.63	17.1	86.6	5.91	17.6	88.8	6.02	17.8
	10	350	68.0	4.22	13.0	75.1	4.97	13.3	80.7	5.54	13.5	86.6	5.81	13.8	88.8	5.92	13.9
	10	525	68.0	4.09	12.0	75.1	4.82	12.2	80.7	5.37	12.3	86.6	5.63	12.5	88.8	5.74	12.6
	15	175	68.0	5.73	21.0	75.1	6.75	21.7	80.7	7.52	22.2	86.6	7.89	22.7	88.8	8.04	22.9
	15	350	68.0	5.64	18.0	75.1	6.64	18.3	80.7	7.39	18.6	86.6	7.76	18.9	88.8	7.90	19.0
	15	525	68.0	5.46	17.0	75.1	6.43	17.2	80.7	7.16	17.4	86.6	7.52	17.6	88.8	7.66	17.6
	20	175	68.0	6.91	26.1	75.1	8.14	26.8	80.7	9.06	27.4	86.6	9.51	27.9	88.8	9.69	28.1
	20	350	68.0	6.79	23.1	75.1	8.00	23.4	80.7	8.91	23.7	86.6	9.35	23.9	88.8	9.52	24.0
	20	525	68.0	6.58	22.0	75.1	7.75	22.3	80.7	8.64	22.4	86.6	9.06	22.6	88.8	9.23	22.7
	25	175	68.0	8.61	31.3	75.1	10.14	32.0	80.7	11.29	32.5	86.6	11.85	33.1	88.8	12.07	33.3
	25	350	68.0	8.46	28.1	75.1	9.96	28.5	80.7	11.10	28.8	86.6	11.65	29.0	88.8	11.86	29.1
	25	525	68.0	8.20	27.1	75.1	9.66	27.3	80.7	10.76	27.5	86.6	11.29	27.7	88.8	11.50	27.7
	30	175	68.0	10.34	36.4	75.1	12.18	37.1	80.7	13.57	37.7	86.6	14.24	38.3	88.8	14.50	38.5
	30	350	68.0	10.17	33.2	75.1	11.97	33.6	80.7	13.34	33.9	86.6	14.00	34.1	88.8	14.26	34.2
	30	525	68.0	9.86	32.1	75.1	11.60	32.4	80.7	12.93	32.6	86.6	13.56	32.7	88.8	13.82	32.8
	35	175	68.0	11.24	41.5	75.1	13.24	42.2	80.7	14.75	42.8	86.6	15.47	43.4	88.8	15.76	43.6
	35	350	68.0	11.05	38.2	75.1	13.01	38.6	80.7	14.50	38.9	86.6	15.21	39.2	88.8	15.49	39.3
	35	525	68.0	10.71	37.1	75.1	12.61	37.4	80.7	14.05	37.6	86.6	14.74	37.8	88.8	15.02	37.8
	40	175	60.5	12.45	46.0	66.8	14.67	46.7	71.8	16.34	47.2	77.0	17.14	47.7	79.0	17.46	47.9
	40	350	61.0	12.24	43.0	67.3	14.42	43.3	72.4	16.06	43.6	77.6	16.85	43.9	79.6	17.17	44.0
	40	525	61.9	11.87	42.0	68.3	13.97	42.2	73.4	15.57	42.4	78.8	16.33	42.6	80.8	16.64	42.7
	45	175	54.3	13.56	50.6	60.0	15.96	51.2	64.5	17.78	51.7	69.1	18.66	52.2	70.9	19.01	52.4
	45	350	54.8	13.33	47.8	60.5	15.69	48.1	65.0	17.48	48.4	69.7	18.34	48.6	71.5	18.68	48.7
	45	525	55.6	12.92	46.9	61.3	15.21	47.1	65.9	16.94	47.3	70.7	17.78	47.4	72.5	18.11	47.5

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	175	59.5	3.61	15.2	65.7	4.25	15.7	70.7	4.73	16.2	75.8	4.97	16.6	77.7	5.06	16.8
	10	350	59.5	3.55	12.6	65.7	4.18	12.9	70.7	4.65	13.1	75.8	4.88	13.3	77.7	4.97	13.4
	10	525	59.5	3.44	11.7	65.7	4.05	11.9	70.7	4.51	12.1	75.8	4.73	12.2	77.7	4.82	12.3
	15	175	59.5	4.82	20.3	65.7	5.67	20.8	70.7	6.32	21.3	75.8	6.63	21.8	77.7	6.75	21.9
	15	350	59.5	4.74	17.6	65.7	5.58	17.9	70.7	6.21	18.1	75.8	6.52	18.4	77.7	6.64	18.5
	15	525	59.5	4.59	16.8	65.7	5.40	16.9	70.7	6.02	17.1	75.8	6.32	17.2	77.7	6.43	17.3
	20	175	59.5	5.81	25.4	65.7	6.84	25.9	70.7	7.62	26.4	75.8	7.99	26.9	77.7	8.14	27.0
	20	350	59.5	5.71	22.7	65.7	6.72	23.0	70.7	7.49	23.2	75.8	7.85	23.4	77.7	8.00	23.5
	20	525	59.5	5.53	21.8	65.7	6.51	22.0	70.7	7.26	22.1	75.8	7.61	22.3	77.7	7.76	22.3
	25	175	59.5	7.23	30.5	65.7	8.52	31.1	70.7	9.49	31.6	75.8	9.96	32.0	77.7	10.14	32.2
	25	350	59.5	7.11	27.7	65.7	8.37	28.0	70.7	9.33	28.3	75.8	9.79	28.5	77.7	9.97	28.6
	25	525	59.5	6.89	26.8	65.7	8.11	27.0	70.7	9.04	27.2	75.8	9.48	27.3	77.7	9.66	27.4
	30	175	59.5	8.69	35.6	65.7	10.24	36.2	70.7	11.40	36.7	75.8	11.96	37.2	77.7	12.19	37.4
	30	350	59.5	8.55	32.8	65.7	10.06	33.1	70.7	11.21	33.4	75.8	11.76	33.6	77.7	11.98	33.7
	30	525	59.5	8.28	31.9	65.7	9.75	32.1	70.7	10.86	32.2	75.8	11.40	32.4	77.7	11.61	32.4
	35	175	59.5	9.45	40.7	65.7	11.12	41.3	70.7	12.39	41.8	75.8	13.00	42.3	77.7	13.24	42.5
	35	350	59.5	9.29	37.8	65.7	10.93	38.1	70.7	12.18	38.4	75.8	12.78	38.6	77.7	13.02	38.7
	35	525	59.5	9.00	36.9	65.7	10.60	37.1	70.7	11.81	37.3	75.8	12.39	37.4	77.7	12.62	37.5
	40	175	53.0	10.47	45.2	58.5	12.32	45.8	62.8	13.73	46.3	67.4	14.40	46.7	69.1	14.67	46.9
	40	350	53.4	10.29	42.6	59.0	12.11	42.9	63.4	13.50	43.1	68.0	14.16	43.4	69.7	14.42	43.4
	40	525	54.2	9.97	41.8	59.8	11.74	42.0	64.3	13.08	42.1	69.0	13.72	42.3	70.7	13.98	42.3
	45	175	47.6	11.39	49.8	52.5	13.41	50.4	56.4	14.94	50.8	60.5	15.68	51.2	62.1	15.97	51.4
	45	350	48.0	11.20	47.4	52.9	13.19	47.7	56.9	14.69	47.9	61.0	15.41	48.1	62.6	15.70	48.2
	45	525	48.6	10.85	46.6	53.7	12.78	46.8	57.7	14.24	47.0	61.9	14.94	47.1	63.5	15.22	47.1
60	10	175	50.8	2.84	14.4	56.1	3.35	14.9	60.3	3.73	15.2	64.7	3.91	15.6	66.3	3.99	15.8
	10	350	50.8	2.79	12.2	56.1	3.29	12.4	60.3	3.67	12.6	64.7	3.85	12.8	66.3	3.92	12.9
	10	525	50.8	2.71	11.5	56.1	3.19	11.6	60.3	3.55	11.7	64.7	3.73	11.9	66.3	3.80	11.9
	15	175	50.8	3.79	19.5	56.1	4.47	20.0	60.3	4.98	20.3	64.7	5.22	20.7	66.3	5.32	20.9
	15	350	50.8	3.73	17.2	56.1	4.39	17.5	60.3	4.89	17.7	64.7	5.13	17.9	66.3	5.23	17.9
	15	525	50.8	3.62	16.5	56.1	4.26	16.6	60.3	4.74	16.8	64.7	4.98	16.9	66.3	5.07	16.9
	20	175	50.8	4.57	24.5	56.1	5.38	25.0	60.3	6.00	25.4	64.7	6.29	25.8	66.3	6.41	26.0
	20	350	50.8	4.50	22.3	56.1	5.29	22.5	60.3	5.90	22.7	64.7	6.19	22.9	66.3	6.30	23.0
	20	525	50.8	4.36	21.5	56.1	5.13	21.7	60.3	5.72	21.8	64.7	6.00	21.9	66.3	6.11	22.0
	25	175	50.8	5.70	29.6	56.1	6.71	30.1	60.3	7.47	30.6	64.7	7.84	30.9	66.3	7.99	31.1
	25	350	50.8	5.60	27.3	56.1	6.60	27.6	60.3	7.35	27.8	64.7	7.71	28.0	66.3	7.85	28.0
	25	525	50.8	5.43	26.5	56.1	6.39	26.7	60.3	7.12	26.8	64.7	7.47	27.0	66.3	7.61	27.0
	30	175	50.8	6.85	34.7	56.1	8.06	35.3	60.3	8.98	35.7	64.7	9.42	36.1	66.3	9.60	36.2
	30	350	50.8	6.73	32.4	56.1	7.93	32.6	60.3	8.83	32.8	64.7	9.26	33.0	66.3	9.44	33.1
	30	525	50.8	6.52	31.6	56.1	7.68	31.7	60.3	8.56	31.9	64.7	8.98	32.0	66.3	9.15	32.1
	35	175	50.8	7.44	39.8	56.1	8.76	40.3	60.3	9.76	40.7	64.7	10.24	41.1	66.3	10.43	41.3
	35	350	50.8	7.31	37.4	56.1	8.61	37.7	60.3	9.60	37.9	64.7	10.07	38.1	66.3	10.25	38.1
	35	525	50.8	7.09	36.6	56.1	8.35	36.8	60.3	9.30	36.9	64.7	9.76	37.0	66.3	9.94	37.1
	40	175	45.2	8.24	44.4	49.9	9.71	44.9	53.6	10.82	45.3	57.5	11.35	45.6	59.0	11.56	45.8
	40	350	45.6	8.10	42.2	50.3	9.54	42.5	54.1	10.63	42.7	58.0	11.15	42.8	59.5	11.36	42.9
	40	525	46.2	7.85	41.5	51.0	9.25	41.6	54.9	10.30	41.8	58.9	10.81	41.9	60.4	11.01	41.9
	45	175	40.6	8.97	49.1	44.8	10.57	49.5	48.2	11.77	49.9	51.7	12.35	50.2	53.0	12.58	50.4
	45	350	40.9	8.82	47.0	45.2	10.39	47.3	48.6	11.57	47.5	52.1	12.14	47.6	53.4	12.37	47.7
	45	525	41.5	8.55	46.4	45.8	10.07	46.5	49.3	11.22	46.7	52.8	11.77	46.8	54.2	11.99	46.8
50	10	175	42.6	2.10	13.7	47.0	2.47	14.1	50.5	2.75	14.4	54.2	2.88	14.7	55.6	2.94	14.8
	10	350	42.6	2.06	11.8	47.0	2.43	12.0	50.5	2.70	12.2	54.2	2.84	12.3	55.6	2.89	12.4
	10	525	42.6	2.00	11.2	47.0	2.35	11.3	50.5	2.62	11.5	54.2	2.75	11.6	55.6	2.80	11.6
	15	175	42.6	2.80	18.7	47.0	3.29	19.1	50.5	3.67	19.4	54.2	3.85	19.8	55.6	3.92	19.9
	15	350	42.6	2.75	16.9	47.0	3.24	17.1	50.5	3.61	17.2	54.2	3.78	17.4	55.6	3.86	17.4
	15	525	42.6	2.67	16.2	47.0	3.14	16.4	50.5	3.50	16.5	54.2	3.67	16.6	55.6	3.74	16.6
	20	175	42.6	3.37	23.8	47.0	3.97	24.2	50.5	4.42	24.5	54.2	4.64	24.8	55.6	4.73	24.9
	20	350	42.6	3.31	21.9	47.0	3.90	22.1	50.5	4.35	22.2	54.2	4.56	22.4	55.6	4.65	22.5
	20	525	42.6	3.21	21.2	47.0	3.78	21.4	50.5	4.21	21.5	54.2	4.42	21.6	55.6	4.50	21.6
	25	175	42.6	4.20	28.8	47.0	4.95	29.3	50.5	5.51	29.6	54.2	5.78	29.9	55.6	5.89	30.0
	25	350	42.6	4.13	26.9	47.0	4.86	27.1	50.5	5.42	27.3	54.2	5.68	27.5	55.6	5.79	27.5
	25	525	42.6	4.00	26.3	47.0	4.71	26.4	50.5	5.25	26.5	54.2	5.51	26.6	55.6	5.61	26.7
	30	175	42.6	5.05	33.9	47.0	5.94	34.3	50.5	6.62	34.7	54.2	6.95	35.0	55.6	7.08	35.1
	30	350	42.6	4.96	31.9	47.0	5.84	32.2	50.5	6.51	32.3	54.2	6.83	32.5	55.6	6.96	32.6
	30	525	42.6	4.81	31.3	47.0	5.66	31.4	50.5	6.31	31.6	54.2	6.62	31.7	55.6	6.74	31.7
	35	175	42.6	5.49	38.9	47.0	6.46	39.4	50.5	7.20	39.7	54.2	7.55	40.1	55.6	7.69	40.2
	35	350	42.6	5.39	37.0	47.0	6.35	37.2	50.5	7.07	37.4	54.2	7.42	37.5	55.6	7.56	37.6
	35	525	42.6	5.23	36.3	47.0	6.15	36.5	50.5	6.86	36.6	54.2	7.19	36.7	55.6	7.33	36.7
	40	175	37.9	6.08	43.6	41.8	7.16	44.0	44.9	7.97	44.3	48.2	8.37	44.6	49.4	8.52	44.7
	40	350	38.2	5.98	41.8	42.1	7.04	42.0	45.3	7.84	42.2	48.6	8.22	42.3	49.8	8.38	42.4
	40	525	38.7	5.79	41.2	42.7	6.82	41.4	45.9	7.60	41.5	49.3	7.97	41.6	50.5	8.12	41.6
	45	175	34.0	6.62	48.3	37.5	7.79	48.7	40.3	8.68	49.0	43.3	9.11	49.3	44.4	9.28	49.4
	45	350	34.3	6.50	46.7	37.8	7.66	46.9	40.7	8.53	47.0	43.6	8.95	47.2	44.7	9.12	47.2
	45	525	34.8	6.30	46.1	38.4	7.42	46.3	41.3	8.27	46.4	44.3	8.68	46.4	45.4	8.84	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	175	136.5	29.77	-3.7	134.4	28.42	-3.7	130.2	27.69	-3.4	122.3	25.66	-2.9	117.9	23.72	-2.7
	5	350	140.5	29.54	0.5	137.3	28.64	0.5	132.7	28.14	0.7	124.3	26.01	1.0	119.6	24.04	1.1
	5	525	141.6	30.59	2.0	138.3	29.59	2.0	133.4	28.66	2.1	125.3	26.56	2.3	120.9	24.96	2.4
	10	175	137.4	26.64	0.9	134.9	25.43	1.0	130.2	24.97	1.4	122.3	23.13	1.9	117.9	21.51	2.1
	10	350	140.5	26.42	5.3	137.3	25.50	5.4	132.7	25.15	5.6	124.3	23.07	5.9	119.6	21.49	6.0
	10	525	141.6	26.96	6.9	138.8	26.06	6.9	134.3	25.29	7.0	125.3	23.23	7.2	120.9	21.92	7.3
	15	175	138.1	23.82	5.6	135.6	22.59	5.7	133.7	22.72	5.9	124.1	20.60	6.5	118.9	19.38	6.8
	15	350	142.3	22.85	10.1	139.5	22.20	10.2	138.0	22.54	10.3	128.3	20.02	10.6	122.3	18.70	10.8
	15	525	143.4	23.68	11.7	141.6	22.97	11.8	140.5	22.54	11.8	130.3	19.96	12.0	125.0	19.51	12.1
	20	175	143.0	21.90	10.1	140.5	20.69	10.2	138.7	20.54	10.3	128.9	18.40	10.9	123.0	18.26	11.4
	20	350	147.6	21.06	14.8	145.1	20.73	14.9	142.6	21.39	15.0	133.1	18.98	15.3	127.4	18.34	15.5
	20	525	148.7	21.29	16.5	146.6	20.62	16.6	145.5	20.69	16.6	134.8	18.60	16.8	128.7	18.34	17.0
	25	175	149.8	20.94	14.4	146.2	20.10	14.7	144.8	20.02	14.8	135.5	18.21	15.4	130.1	17.41	15.8
	25	350	149.8	20.62	19.7	146.2	19.96	19.8	144.8	19.66	19.9	135.5	17.92	20.2	130.1	17.51	20.4
	25	525	149.8	20.19	21.5	146.2	19.19	21.5	144.8	19.23	21.6	135.5	18.05	21.8	130.1	16.41	21.9
	30	175	149.8	20.34	19.4	146.2	19.16	19.6	144.8	19.20	19.7	135.5	17.12	20.3	130.1	17.29	20.8
	30	350	149.8	19.66	24.7	146.2	19.02	24.8	144.8	18.74	24.8	135.5	17.28	25.2	130.1	16.15	25.3
	30	525	149.8	19.23	26.4	146.2	18.24	26.5	144.8	18.27	26.5	135.5	16.13	26.7	130.1	16.83	26.9
	35	175	149.8	19.38	24.3	146.2	18.53	24.5	144.8	18.46	24.7	135.5	16.50	25.3	130.1	15.45	25.6
	35	350	149.8	18.74	29.6	146.2	18.11	29.8	144.8	18.10	29.8	135.5	16.31	30.1	130.1	15.09	30.3
	35	525	149.8	18.74	31.4	146.2	17.79	31.5	144.8	17.60	31.5	135.5	15.85	31.7	130.1	14.70	31.8
	40	175	149.8	18.74	29.3	146.2	17.90	29.5	144.8	17.78	29.6	135.5	15.88	30.2	130.1	15.22	30.6
	40	350	149.8	18.10	34.6	146.2	17.44	34.7	144.8	17.17	34.8	135.5	15.31	35.1	130.1	14.65	35.3
	40	525	149.8	17.60	36.4	146.2	17.02	36.5	144.8	17.17	36.5	135.5	15.31	36.7	130.1	14.65	36.8
	45	175	149.8	18.10	34.2	146.2	17.30	34.4	144.8	17.18	34.5	135.5	15.15	35.1	130.1	15.07	35.6
	45	350	149.8	17.49	39.6	146.2	16.84	39.7	144.8	16.21	39.7	135.5	14.17	40.0	130.1	14.19	40.3
	45	525	149.8	16.49	41.4	146.2	16.21	41.5	144.8	16.71	41.5	135.5	14.59	41.7	130.1	14.67	41.8
120	5	175	130.1	29.53	-3.2	128.0	28.30	-3.2	123.7	27.50	-2.9	116.5	25.29	-2.5	111.5	23.36	-2.2
	5	350	133.3	29.94	0.8	130.5	28.87	0.8	125.2	28.14	1.0	117.9	25.82	1.2	112.9	23.64	1.3
	5	525	134.4	30.22	2.2	129.4	29.19	2.3	126.0	28.66	2.3	118.5	26.33	2.5	113.5	24.15	2.6
	10	175	130.9	26.42	1.4	128.4	25.32	1.6	123.8	24.80	1.9	116.5	22.80	2.3	111.5	21.19	2.6
	10	350	133.3	26.78	5.6	130.5	25.71	5.7	125.2	25.15	5.9	117.9	22.90	6.1	112.9	21.13	6.2
	10	525	134.4	26.64	7.1	129.8	25.71	7.2	126.7	25.29	7.2	118.5	23.03	7.4	113.5	21.21	7.5
	15	175	131.6	23.39	6.1	128.7	22.37	6.3	127.1	22.36	6.4	118.3	20.30	7.0	112.5	19.05	7.3
	15	350	134.4	23.61	10.5	131.9	22.59	10.5	129.9	22.54	10.6	121.0	20.02	10.9	114.9	18.44	11.1
	15	525	135.5	23.07	11.9	131.9	22.27	12.0	131.4	22.54	12.0	122.4	19.96	12.2	116.2	18.44	12.3
	20	175	135.1	21.01	10.7	132.6	19.88	10.8	130.3	19.65	10.9	121.4	17.80	11.5	115.2	17.73	12.0
	20	350	138.7	20.78	15.2	135.8	20.31	15.3	132.8	20.86	15.4	124.1	18.35	15.7	118.3	17.29	15.9
	20	525	139.4	20.72	16.8	135.5	19.95	16.8	135.0	20.01	16.9	125.5	17.97	17.1	119.3	17.39	17.2
	25	175	140.8	19.80	15.1	136.5	18.62	15.3	134.3	18.55	15.5	125.5	16.75	16.1	120.3	15.97	16.5
	25	350	141.1	19.51	20.0	136.5	18.52	20.2	134.3	18.44	20.3	125.5	16.43	20.5	120.3	16.06	20.7
	25	525	141.9	18.40	21.6	136.5	17.78	21.8	134.3	17.94	21.8	125.5	16.99	22.0	120.3	15.02	22.1
	30	175	141.5	18.84	20.0	136.5	17.71	20.3	134.3	17.49	20.4	125.5	15.36	21.0	120.3	15.48	21.4
	30	350	141.5	18.23	25.0	136.5	17.29	25.1	134.3	17.16	25.2	125.5	15.47	25.5	120.3	14.42	25.7
	30	525	141.5	17.34	26.6	136.5	16.69	26.7	134.3	16.66	26.8	125.5	14.85	27.0	120.3	15.03	27.1
	35	175	141.5	17.91	24.9	136.5	16.77	25.2	134.3	16.52	25.4	125.5	14.74	25.9	120.3	13.71	26.3
	35	350	141.5	16.88	29.9	136.5	16.13	30.1	134.3	15.88	30.2	125.5	14.21	30.4	120.3	13.13	30.6
	35	525	141.5	16.59	31.6	136.5	15.96	31.7	134.3	15.88	31.8	125.5	14.21	32.0	120.3	13.13	32.1
	40	175	141.5	17.27	29.8	136.5	15.96	30.1	134.3	15.56	30.3	125.5	13.80	30.9	120.3	13.18	31.2
	40	350	141.5	15.95	34.9	136.5	15.22	35.0	134.3	14.92	35.1	125.5	13.25	35.4	120.3	12.61	35.6
	40	525	141.5	15.63	36.6	136.5	14.90	36.7	134.3	14.92	36.7	125.5	13.25	36.9	120.3	12.61	37.1
	45	175	141.5	16.67	34.8	136.5	15.15	35.1	134.3	14.64	35.2	125.5	12.79	35.8	120.3	12.66	36.2
	45	350	141.5	14.99	39.8	136.5	14.27	40.0	134.3	13.96	40.1	125.5	12.15	40.4	120.3	12.08	40.6
	45	525	141.5	14.70	41.5	136.5	13.88	41.7	134.3	13.96	41.7	125.5	12.15	41.9	120.3	12.08	42.0
110	5	175	124.4	29.85	-2.7	121.7	28.42	-2.6	117.2	27.57	-2.3	110.8	25.29	-2.0	105.1	23.36	-1.7
	5	350	127.0	30.06	1.0	123.2	28.87	1.1	118.3	28.14	1.3	111.4	25.82	1.5	105.7	23.64	1.6
	5	525	128.0	30.51	2.3	123.8	29.19	2.4	118.7	28.42	2.5	111.4	26.06	2.7	106.1	24.15	2.8
	10	175	125.2	26.71	1.9	122.1	25.43	2.1	117.2	24.87	2.4	110.8	22.80	2.8	105.1	21.19	3.1
	10	350	127.0	26.89	5.9	123.2	25.71	6.0	118.3	25.15	6.2	111.4	22.90	6.4	105.7	21.13	6.5
	10	525	128.0	26.89	7.2	124.2	25.71	7.3	119.4	25.08	7.4	111.4	22.80	7.6	106.1	21.21	7.7
	15	175	125.5	23.54	6.6	122.4	22.59	6.8	120.3	22.54	7.0	112.4	20.30	7.5	106.0	19.05	7.9
	15	350	127.7	23.39	10.7	124.2	22.59	10.8	121.8	22.54	10.9	113.5	20.02	11.2	107.4	18.44	11.4
	15	525	128.7	23.18	12.1	124.9	22.27	12.2	122.9	22.07	12.2	114.2	19.53	12.4	107.7	18.44	12.6
	20	175	128.0	20.40	11.2	124.6	19.57	11.4	122.1	19.36	11.6	113.5	17.51	12.1	107.4	17.16	12.6
	20	350	130.9	20.32	15.5	126.0	19.67	15.6	123.1	20.13	15.8	115.2	17.78	16.0	108.7	16.48	16.2
	20	525	131.9	20.54	17.0	127.8	19.57	17.0	124.7	19.37	17.1	115.9	16.96	17.3	109.7	16.48	17.5
	25	175	131.6	18.47	15.7	127.4	17.50	16.0	124.3	17.48	16.3	115.9	15.56	16.8	110.1	14.55	17.2
	25	350	132.6	18.37	20.3	127.4	17.21	20.5	124.3	17.16	20.6	115.9	15.28	20.9	110.1	14.58	21.1
	25	525	133.7	18.37	21.9	127.4	17.32	22.0	124.3	16.66	22.1	115.9	15.80	22.3	110.1	13.63	22.4
	30	175	133.3	16.80	20.5	127.4	15.95	20.9	124.3	15.55	21.1	115.9	13.92	21.6	110.1	13.40	22.1
	30	350	133.3	16.51	25.2	127.4	15.64	25.4	124.3	15.23	25.5	115.9	13.96	25.8	110.1	12.67	26.0
	30	525	133.3	16.34	26.8	127.4	15.18	26.9	124.3	14.73	27.0	115.9	13.01	27.2	110.1	13.20	27.4
	35	175	133.3	15.87	25.4	127.4	14.69	25.8	124.3	14.31	26.0	115.9	12.68	26.5	110.1	11.71	26.9
	35	350	133.3	15.23	30.2	127.4	14.41	30.4	124.3	13.95	30.5	115.9	12.44	30.8	110.1	11.40	31.0
	35	525	133.3	14.66	31.8	127.4	13.91	31.9	124.3	13.52	32.0	115.9	12.44	32.2	110.1	11.40	32.3
	40	175	133.3	14.91	30.3	127.4	14.09	30.7	124.3	13.34	30.9	115.9	11.75	31.5	110.1	11.10	31.9
	40	350	133.3	14.30	35.1	127.4	13.46	35.3	124.3	12.70	35.4	115.9	11.47	35.7	110.1	10.86	35.9
	40	525	133.3	13.98	36.7	127.4	12.97	36.9	124.3	12.70	37.0	115.9	11.00	37.1	110.1	10.40	37.3
	45	175	133.3	13.95	35.2	127.4	13.46	35.7	124.3	12.38	35.8	115.9	10.79	36.4	110.1	10.52	36.8
	45	350	133.3	13.34	40.1	127.4	12.51	40.3	124.3	11.42	40.4	115.9	10.39	40.7	110.1	10.28	40.9
	45	525	133.3	13.34	41.7	127.4	12.02	41.8	124.3	11.92	41.9	115.9	9.55	42.1	110.1	9.33	42.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	175	118.8	29.94	-2.3	114.5	28.78	-2.0	110.4	27.66	-1.8	104.3	25.37	-1.5	98.4	23.08	-1.2
	5	350	120.6	30.47	1.3	115.6	29.28	1.5	110.8	28.22	1.6	104.3	25.89	1.8	98.4	23.53	1.9
	5	525	121.6	30.76	2.5	116.0	29.59	2.6	110.5	28.50	2.8	104.3	26.14	2.9	98.4	23.75	3.0
	10	175	119.5	26.79	2.4	114.9	25.75	2.7	110.5	24.94	3.0	104.3	22.87	3.3	98.4	20.93	3.7
	10	350	120.6	27.26	6.2	115.6	26.07	6.3	110.8	25.23	6.5	104.3	22.97	6.7	98.4	21.03	6.8
	10	525	121.6	27.11	7.4	116.3	26.07	7.5	111.2	25.16	7.7	104.3	22.87	7.8	98.4	20.86	7.9
	15	175	119.9	23.61	7.1	115.6	22.76	7.4	113.4	22.61	7.6	105.8	20.36	8.0	99.3	18.81	8.4
	15	350	120.6	24.07	11.0	115.6	22.83	11.2	113.4	22.61	11.3	105.8	20.08	11.5	99.3	18.50	11.7
	15	525	122.0	23.46	12.3	116.7	22.55	12.4	113.4	22.14	12.5	105.8	19.59	12.6	99.3	18.04	12.8
	20	175	120.9	20.17	11.7	116.0	19.31	12.1	113.4	19.10	12.3	105.8	17.26	12.7	99.3	16.31	13.2
	20	350	122.7	20.34	15.8	116.3	19.48	16.0	113.4	19.10	16.1	105.8	17.26	16.4	99.3	15.68	16.6
	20	525	123.8	19.99	17.2	118.1	19.13	17.3	113.4	18.60	17.4	105.8	16.45	17.6	99.3	15.22	17.7
	25	175	122.3	17.60	16.4	117.7	16.66	16.7	113.4	16.24	17.0	105.8	14.44	17.5	99.3	13.18	17.9
	25	350	124.1	17.63	20.6	117.7	16.31	20.8	113.4	15.92	21.0	105.8	14.13	21.2	99.3	13.18	21.5
	25	525	125.2	17.06	22.0	117.7	16.14	22.2	113.4	15.45	22.3	105.8	14.13	22.5	99.3	12.68	22.6
	30	175	124.8	15.92	21.1	117.7	14.44	21.5	113.4	13.70	21.8	105.8	12.23	22.3	99.3	11.63	22.8
	30	350	124.8	15.59	25.5	117.7	14.13	25.8	113.4	13.56	25.9	105.8	12.23	26.2	99.3	11.27	26.4
	30	525	124.8	15.13	27.0	117.7	14.13	27.2	113.4	13.27	27.3	105.8	11.73	27.4	99.3	11.27	27.6
	35	175	124.8	14.66	26.0	117.7	13.18	26.4	113.4	12.09	26.7	105.8	10.96	27.2	99.3	10.01	27.7
	35	350	124.8	13.99	30.5	117.7	12.54	30.7	113.4	11.95	30.8	105.8	10.68	31.1	99.3	9.72	31.3
	35	525	124.8	13.99	32.0	117.7	12.54	32.1	113.4	11.70	32.2	105.8	10.68	32.4	99.3	9.72	32.6
	40	175	124.8	13.70	30.9	117.7	12.23	31.4	113.4	10.84	31.6	105.8	9.72	32.1	99.3	9.09	32.6
	40	350	124.8	13.06	35.4	117.7	11.63	35.7	113.4	10.69	35.8	105.8	9.41	36.1	99.3	8.81	36.3
	40	525	124.8	12.59	36.9	117.7	11.63	37.1	113.4	10.41	37.2	105.8	9.41	37.4	99.3	8.81	37.5
	45	175	124.8	12.73	35.8	117.7	11.27	36.3	113.4	9.55	36.5	105.8	8.46	37.0	99.3	8.14	37.5
	45	350	124.8	12.09	40.4	117.7	10.68	40.6	113.4	9.41	40.7	105.8	8.14	41.0	99.3	7.86	41.3
	45	525	124.8	11.16	41.9	117.7	10.68	42.1	113.4	9.12	42.2	105.8	8.14	42.3	99.3	7.86	42.5
90	5	175	106.6	27.67	-1.5	103.0	26.13	-1.3	99.9	24.67	-1.2	91.7	22.66	-0.7	84.2	20.32	-0.2
	5	350	107.3	28.17	1.8	102.7	26.63	1.9	99.9	25.15	1.9	91.7	23.13	2.2	84.2	20.72	2.4
	5	525	108.0	28.42	2.8	103.4	26.88	2.9	99.9	25.44	3.0	91.7	23.35	3.1	84.2	20.98	3.3
	10	175	107.3	24.34	3.2	103.4	23.15	3.4	99.9	22.26	3.6	91.7	20.43	4.2	84.2	18.46	4.6
	10	350	106.9	24.41	6.6	103.0	23.26	6.7	99.9	22.33	6.8	91.7	20.36	7.1	84.2	18.49	7.3
	10	525	108.0	24.34	7.7	103.4	23.15	7.8	99.9	22.26	7.9	91.7	20.47	8.1	84.2	18.60	8.2
	15	175	107.6	21.00	7.9	103.7	20.21	8.2	99.9	19.85	8.4	93.5	18.20	8.8	88.9	16.59	9.1
	15	350	106.9	20.64	11.5	103.0	19.89	11.6	99.9	19.52	11.7	93.5	17.58	11.9	88.9	16.26	12.0
	15	525	108.0	20.21	12.6	103.4	19.46	12.7	99.9	19.01	12.8	93.5	17.58	12.9	88.9	16.26	13.0
	20	175	108.3	17.78	12.6	104.1	17.24	12.9	99.9	16.92	13.2	93.5	15.61	13.6	88.9	14.66	13.9
	20	350	108.0	17.78	16.3	103.4	17.02	16.5	101.8	16.92	16.5	93.5	14.98	16.8	88.9	14.00	16.9
	20	525	108.3	17.35	17.5	103.7	16.85	17.6	101.8	16.92	17.7	93.5	14.98	17.9	88.9	14.00	18.0
	25	175	110.4	15.52	17.2	105.5	14.69	17.6	101.8	14.57	17.9	93.5	13.01	18.4	88.9	12.06	18.7
	25	350	111.5	15.38	21.1	105.5	14.55	21.3	101.8	14.27	21.4	93.5	12.68	21.7	88.9	11.70	21.8
	25	525	112.2	14.77	22.3	105.5	14.05	22.5	101.8	14.27	22.6	93.5	12.68	22.8	88.9	11.70	22.9
	30	175	111.8	14.01	22.0	105.5	13.08	22.4	101.8	12.60	22.7	93.5	11.37	23.3	88.9	10.38	23.6
	30	350	111.8	13.73	26.0	105.5	12.76	26.2	101.8	12.30	26.3	93.5	11.07	26.6	88.9	10.38	26.8
	30	525	111.8	13.23	27.3	105.5	12.26	27.5	101.8	12.30	27.6	93.5	11.07	27.7	88.9	9.94	27.8
	35	175	111.8	12.76	26.9	105.5	11.83	27.3	101.8	11.29	27.6	93.5	10.09	28.2	88.9	9.43	28.5
	35	350	111.8	13.01	31.0	105.5	11.47	31.1	101.8	10.96	31.3	93.5	9.76	31.6	88.9	9.43	31.7
	35	525	111.8	11.94	32.3	105.5	11.70	32.4	101.8	10.44	32.5	93.5	9.76	32.7	88.9	9.43	32.8
	40	175	111.8	11.83	31.8	105.5	10.86	32.2	101.8	9.95	32.5	93.5	9.14	33.1	88.9	8.44	33.4
	40	350	111.8	11.15	35.9	105.5	10.54	36.1	101.8	9.62	36.2	93.5	8.77	36.5	88.9	8.15	36.7
	40	525	111.8	11.15	37.3	105.5	10.54	37.4	101.8	9.62	37.5	93.5	8.77	37.7	88.9	8.44	37.8
	45	175	111.8	10.86	36.7	105.5	9.89	37.2	101.8	8.61	37.4	93.5	8.15	38.0	88.9	7.46	38.3
	45	350	111.8	9.89	40.8	105.5	9.57	41.1	101.8	8.31	41.2	93.5	7.82	41.5	88.9	7.16	41.7
	45	525	111.8	11.37	42.3	105.5	10.07	42.4	101.8	8.76	42.5	93.5	7.82	42.7	88.9	7.16	42.8
80	5	175	101.4	22.77	-1.4	94.9	21.50	-1.0	92.2	20.30	-0.9	84.6	18.65	-0.4	77.7	16.72	0.0
	5	350	101.4	23.18	1.8	94.9	21.91	2.0	92.2	20.69	2.1	84.6	19.04	2.3	77.7	17.05	2.5
	5	525	101.4	23.39	2.9	94.9	22.12	3.0	92.2	20.93	3.1	84.6	19.22	3.2	77.7	17.26	3.3
	10	175	101.4	20.02	3.3	94.9	19.05	3.8	92.2	18.31	4.0	84.6	16.81	4.4	77.7	15.19	4.9
	10	350	101.4	20.08	6.7	94.9	19.14	6.9	92.2	18.37	7.0	84.6	16.75	7.2	77.7	15.22	7.4
	10	525	101.4	20.02	7.8	94.9	19.05	7.9	92.2	18.31	8.0	84.6	16.84	8.1	77.7	15.31	8.3
	15	175	101.4	17.28	8.1	94.9	16.63	8.6	92.2	16.33	8.8	85.1	14.98	9.3	80.2	13.65	9.6
	15	350	101.4	16.99	11.5	94.9	16.37	11.8	92.2	16.06	11.9	85.1	14.47	12.1	80.2	13.38	12.3
	15	525	101.4	16.63	12.7	94.9	16.01	12.8	92.2	15.64	12.9	85.1	14.47	13.1	80.2	13.38	13.2
	20	175	101.4	14.63	12.9	94.9	14.19	13.4	92.2	13.92	13.6	85.1	12.84	14.1	80.2	12.06	14.4
	20	350	101.4	14.63	16.4	94.9	14.01	16.7	92.2	14.20	16.8	85.1	12.33	17.0	80.2	11.52	17.2
	20	525	101.4	14.27	17.6	94.9	13.86	17.8	92.2	14.20	17.9	85.1	12.33	18.0	80.2	11.52	18.1
	25	175	101.9	12.77	17.7	95.4	12.09	18.2	92.2	11.99	18.4	85.1	10.71	18.9	80.2	9.92	19.2
	25	350	101.9	12.65	21.3	95.4	11.97	21.6	92.2	11.75	21.7	85.1	10.44	21.9	80.2	9.62	22.1
	25	525	101.9	12.15	22.5	95.4	11.56	22.7	92.2	11.75	22.8	85.1	10.44	23.0	80.2	9.62	23.1
	30	175	101.9	11.53	22.6	95.4	10.76	23.1	92.2	10.37	23.3	85.1	9.35	23.8	80.2	8.54	24.1
	30	350	101.9	11.30	26.3	95.4	10.50	26.5	92.2	10.12	26.6	85.1	9.11	26.9	80.2	8.54	27.1
	30	525	101.9	10.88	27.5	95.4	10.09	27.7	92.2	10.12	27.8	85.1	9.11	27.9	80.2	8.18	28.0
	35	175	101.9	10.50	27.5	95.4	9.73	28.0	92.2	9.29	28.2	85.1	8.30	28.7	80.2	7.76	29.1
	35	350	101.9	10.71	31.3	95.4	9.44	31.5	92.2	9.02	31.6	85.1	8.03	31.8	80.2	7.76	32.0
	35	525	101.9	9.82	32.5	95.4	9.62	32.7	92.2	8.59	32.7	85.1	8.03	32.9	80.2	7.76	33.0
	40	175	101.9	9.73	32.4	95.4	8.94	32.9	92.2	8.19	33.1	85.1	7.52	33.6	80.2	6.95	34.0
	40	350	101.9	9.17	36.2	95.4	8.67	36.4	92.2	7.91	36.6	85.1	7.22	36.8	80.2	6.71	37.0
	40	525	101.9	9.17	37.5	95.4	8.67	37.6	92.2	7.91	37.7	85.1	7.22	37.9	80.2	6.95	38.0
	45	175	101.9	9.17	37.4	95.4	8.67	37.9	92.2	7.91	38.1	85.1	7.22	38.6	80.2	6.95	39.0
	45	350	101.9	9.17	41.2	95.4	8.67	41.4	92.2	7.91	41.6	85.1	7.22	41.8	80.2	6.95	42.0
	45	525	101.9	9.17	42.5	95.4	8.67	42.6	92.2	7.91	42.7	85.1	7.22	42.9	80.2	6.95	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	175	87.9	19.13	-0.6	82.3	18.06	-0.3	79.9	17.05	-0.1	73.4	15.66	0.3	67.4	14.05	0.6
	5	350	87.9	19.47	2.2	82.3	18.41	2.4	79.9	17.38	2.4	73.4	15.99	2.6	67.4	14.32	2.8
	5	525	87.9	19.65	3.1	82.3	18.58	3.3	79.9	17.58	3.3	73.4	16.14	3.4	67.4	14.50	3.6
	10	175	87.9	16.82	4.2	82.3	16.00	4.6	79.9	15.38	4.7	73.4	14.12	5.1	67.4	12.76	5.5
	10	350	87.9	16.87	7.1	82.3	16.08	7.3	79.9	15.44	7.4	73.4	14.07	7.6	67.4	12.78	7.8
	10	525	87.9	16.82	8.1	82.3	16.00	8.2	79.9	15.38	8.2	73.4	14.15	8.4	67.4	12.86	8.5
	15	175	87.9	14.52	9.0	82.3	13.97	9.4	79.9	13.72	9.6	73.8	12.58	10.0	69.5	11.47	10.2
	15	350	87.9	14.27	12.0	82.3	13.75	12.2	79.9	13.49	12.3	73.8	12.15	12.5	69.5	11.24	12.6
	15	525	87.9	13.97	13.0	82.3	13.45	13.1	79.9	13.14	13.2	73.8	12.15	13.3	69.5	11.24	13.4
	20	175	87.9	12.29	13.8	82.3	11.92	14.2	79.9	11.70	14.4	73.8	10.79	14.8	69.5	10.13	15.1
	20	350	87.9	12.29	16.9	82.3	11.77	17.1	79.9	11.93	17.2	73.8	10.36	17.4	69.5	9.68	17.5
	20	525	87.9	11.99	17.9	82.3	11.64	18.1	79.9	11.93	18.1	73.8	10.36	18.3	69.5	9.68	18.4
	25	175	88.4	10.73	18.6	82.7	10.16	19.1	79.9	10.07	19.3	73.8	8.99	19.7	69.5	8.34	20.0
	25	350	88.4	10.63	21.8	82.7	10.06	22.0	79.9	9.87	22.1	73.8	8.77	22.3	69.5	8.08	22.5
	25	525	88.4	10.21	22.9	82.7	9.71	23.0	79.9	9.87	23.1	73.8	8.77	23.2	69.5	8.08	23.3
	30	175	88.4	9.69	23.6	82.7	9.04	24.0	79.9	8.71	24.2	73.8	7.86	24.6	69.5	7.17	24.9
	30	350	88.4	9.49	26.8	82.7	8.82	27.0	79.9	8.50	27.1	73.8	7.65	27.3	69.5	7.17	27.4
	30	525	88.4	9.14	27.8	82.7	8.47	28.0	79.9	8.50	28.1	73.8	7.65	28.2	69.5	6.87	28.3
	35	175	88.4	8.82	28.5	82.7	8.18	28.9	79.9	7.81	29.1	73.8	6.97	29.5	69.5	6.52	29.8
	35	350	88.4	8.99	31.7	82.7	7.93	31.9	79.9	7.57	32.0	73.8	6.74	32.3	69.5	6.52	32.4
	35	525	88.4	8.25	32.8	82.7	8.08	33.0	79.9	7.21	33.0	73.8	6.74	33.2	69.5	6.52	33.3
	40	175	88.4	8.18	33.4	82.7	7.51	33.8	79.9	6.88	34.0	73.8	6.32	34.5	69.5	5.84	34.8
	40	350	88.4	7.70	36.7	82.7	7.28	36.9	79.9	6.65	37.0	73.8	6.06	37.2	69.5	5.63	37.4
	40	525	88.4	7.70	37.8	82.7	7.28	37.9	79.9	6.65	38.0	73.8	6.06	38.2	69.5	5.84	38.3
	45	175	88.4	7.70	38.4	82.7	7.28	38.8	79.9	6.65	39.0	73.8	6.06	39.5	69.5	5.84	39.8
	45	350	88.4	7.70	41.7	82.7	7.28	41.9	79.9	6.65	42.0	73.8	6.06	42.2	69.5	5.84	42.4
	45	525	88.4	7.70	42.8	82.7	7.28	42.9	79.9	6.65	43.0	73.8	6.06	43.2	69.5	5.84	43.3
60	5	175	75.2	15.30	0.1	70.5	14.45	0.4	68.4	13.64	0.5	62.8	12.53	0.9	57.7	11.24	1.2
	5	350	75.2	15.58	2.6	70.5	14.73	2.7	68.4	13.91	2.8	62.8	12.79	3.0	57.7	11.46	3.1
	5	525	75.2	15.72	3.4	70.5	14.87	3.5	68.4	14.07	3.5	62.8	12.92	3.6	57.7	11.60	3.7
	10	175	75.2	13.46	4.9	70.5	12.80	5.3	68.4	12.31	5.4	62.8	11.30	5.8	57.7	10.21	6.1
	10	350	75.2	13.50	7.5	70.5	12.86	7.6	68.4	12.35	7.7	62.8	11.26	7.9	57.7	10.23	8.1
	10	525	75.2	13.46	8.3	70.5	12.80	8.4	68.4	12.31	8.5	62.8	11.32	8.6	57.7	10.29	8.7
	15	175	75.2	11.61	9.8	70.5	11.18	10.1	68.4	10.97	10.3	63.1	10.07	10.7	59.5	9.18	10.9
	15	350	75.2	11.42	12.4	70.5	11.00	12.6	68.4	10.79	12.6	63.1	9.72	12.8	59.5	8.99	12.9
	15	525	75.2	11.18	13.3	70.5	10.76	13.4	68.4	10.51	13.4	63.1	9.72	13.5	59.5	8.99	13.6
	20	175	75.2	9.83	14.6	70.5	9.53	15.0	68.4	9.36	15.2	63.1	8.63	15.5	59.5	8.10	15.8
	20	350	75.2	9.83	17.3	70.5	9.41	17.5	68.4	9.54	17.6	63.1	8.29	17.8	59.5	7.74	17.9
	20	525	75.2	9.59	18.2	70.5	9.32	18.3	68.4	9.54	18.4	63.1	8.29	18.5	59.5	7.74	18.6
	25	175	75.7	8.58	19.5	70.8	8.13	19.9	68.4	8.06	20.1	63.1	7.20	20.4	59.5	6.67	20.7
	25	350	75.7	8.50	22.3	70.8	8.05	22.4	68.4	7.89	22.5	63.1	7.01	22.7	59.5	6.47	22.8
	25	525	75.7	8.17	23.2	70.8	7.77	23.3	68.4	7.89	23.3	63.1	7.01	23.5	59.5	6.47	23.6
	30	175	75.7	7.75	24.4	70.8	7.23	24.8	68.4	6.97	25.0	63.1	6.29	25.3	59.5	5.74	25.6
	30	350	75.7	7.59	27.2	70.8	7.06	27.4	68.4	6.80	27.5	63.1	6.12	27.7	59.5	5.74	27.8
	30	525	75.7	7.31	28.1	70.8	6.78	28.3	68.4	6.80	28.3	63.1	6.12	28.4	59.5	5.50	28.5
	35	175	75.7	7.06	29.4	70.8	6.54	29.7	68.4	6.24	29.9	63.1	5.58	30.3	59.5	5.21	30.6
	35	350	75.7	7.20	32.2	70.8	6.34	32.4	68.4	6.06	32.4	63.1	5.40	32.6	59.5	5.21	32.8
	35	525	75.7	6.60	33.1	70.8	6.47	33.2	68.4	5.77	33.3	63.1	5.40	33.4	59.5	5.21	33.5
	40	175	75.7	6.54	34.3	70.8	6.01	34.7	68.4	5.50	34.8	63.1	5.05	35.2	59.5	4.67	35.5
	40	350	75.7	6.16	37.2	70.8	5.83	37.3	68.4	5.32	37.4	63.1	4.85	37.6	59.5	4.51	37.7
	40	525	75.7	6.16	38.1	70.8	5.83	38.2	68.4	5.32	38.3	63.1	4.85	38.4	59.5	4.67	38.5
	45	175	75.7	6.16	39.3	70.8	5.83	39.7	68.4	5.32	39.8	63.1	4.85	40.2	59.5	4.67	40.5
	45	350	75.7	6.16	42.2	70.8	5.83	42.3	68.4	5.32	42.4	63.1	4.85	42.6	59.5	4.67	42.8
	45	525	75.7	6.16	43.1	70.8	5.83	43.2	68.4	5.32	43.3	63.1	4.85	43.4	59.5	4.67	43.5
50	5	175	62.6	12.22	0.9	58.6	11.54	1.1	56.9	10.90	1.2	52.2	10.01	1.5	48.0	8.98	1.8
	5	350	62.6	12.45	2.9	58.6	11.76	3.1	56.9	11.11	3.1	52.2	10.22	3.3	48.0	9.15	3.4
	5	525	62.6	12.56	3.6	58.6	11.88	3.7	56.9	11.24	3.8	52.2	10.32	3.9	48.0	9.27	3.9
	10	175	62.6	10.75	5.8	58.6	10.23	6.0	56.9	9.83	6.1	52.2	9.03	6.5	48.0	8.15	6.7
	10	350	62.6	10.78	7.9	58.6	10.28	8.0	56.9	9.87	8.1	52.2	8.99	8.2	48.0	8.17	8.4
	10	525	62.6	10.75	8.6	58.6	10.23	8.7	56.9	9.83	8.7	52.2	9.04	8.8	48.0	8.22	8.9
	15	175	62.6	9.28	10.6	58.6	8.93	10.9	56.9	8.77	11.1	52.5	8.04	11.4	49.5	7.33	11.5
	15	350	62.6	9.12	12.8	58.6	8.79	13.0	56.9	8.62	13.0	52.5	7.77	13.2	49.5	7.18	13.3
	15	525	62.6	8.93	13.5	58.6	8.60	13.6	56.9	8.40	13.7	52.5	7.77	13.8	49.5	7.18	13.8
	20	175	62.6	7.85	15.5	58.6	7.62	15.8	56.9	7.48	16.0	52.5	6.89	16.3	49.5	6.47	16.5
	20	350	62.6	7.85	17.8	58.6	7.52	17.9	56.9	7.62	18.0	52.5	6.62	18.1	49.5	6.18	18.2
	20	525	62.6	7.66	18.5	58.6	7.44	18.6	56.9	7.62	18.7	52.5	6.62	18.7	49.5	6.18	18.8
	25	175	62.9	6.86	20.4	58.9	6.49	20.7	56.9	6.44	20.9	52.5	5.75	21.2	49.5	5.33	21.4
	25	350	62.9	6.79	22.7	58.9	6.43	22.9	56.9	6.31	22.9	52.5	5.60	23.1	49.5	5.17	23.2
	25	525	62.9	6.52	23.5	58.9	6.21	23.6	56.9	6.31	23.6	52.5	5.60	23.7	49.5	5.17	23.8
	30	175	62.9	6.19	25.4	58.9	5.78	25.7	56.9	5.56	25.8	52.5	5.02	26.1	49.5	4.59	26.3
	30	350	62.9	6.06	27.7	58.9	5.64	27.8	56.9	5.43	27.9	52.5	4.89	28.1	49.5	4.59	28.2
	30	525	62.9	5.84	28.4	58.9	5.42	28.5	56.9	5.43	28.6	52.5	4.89	28.7	49.5	4.39	28.8
	35	175	62.9	5.64	30.3	58.9	5.23	30.6	56.9	4.99	30.7	52.5	4.46	31.1	49.5	4.17	31.3
	35	350	62.9	5.75	32.7	58.9	5.07	32.8	56.9	4.84	32.9	52.5	4.31	33.0	49.5	4.17	33.1
	35	525	62.9	5.27	33.4	58.9	5.17	33.5	56.9	4.61	33.6	52.5	4.31	33.7	49.5	4.17	33.8
	40	175	62.9	5.23	35.3	58.9	4.80	35.6	56.9	4.40	35.7	52.5	4.04	36.0	49.5	3.73	36.3
	40	350	62.9	4.92	37.6	58.9	4.66	37.8	56.9	4.25	37.8	52.5	3.87	38.0	49.5	3.60	38.1
	40	525	62.9	4.92	38.4	58.9	4.66	38.5	56.9	4.25	38.6	52.5	3.87	38.7	49.5	3.73	38.8
	45	175	62.9	4.92	40.3	58.9	4.66	40.6	56.9	4.25	40.7	52.5	3.87	41.0	49.5	3.73	41.3
	45	350	62.9	4.92	42.6	58.9	4.66	42.8	56.9	4.25	42.8	52.5	3.87	43.0	49.5	3.73	43.1
	45	525	62.9	4.92	43.4	58.9	4.66	43.5	56.9	4.25	43.6	52.5	3.87	43.7	49.5	3.73	43.8

12. Capacity Table

1-15. AM380FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	183	107.2	7.51	19.0	117.8	8.94	19.9	126.5	9.79	20.7	135.8	10.39	21.5	139.5	10.51	21.7
	10	366	107.2	6.96	14.5	117.8	8.26	14.9	126.5	9.34	15.3	135.8	9.81	15.7	139.5	9.81	15.8
	10	549	107.2	6.85	13.0	117.8	8.23	13.3	126.5	8.84	13.5	135.8	9.63	13.8	139.5	9.85	13.9
	15	183	105.3	9.69	24.0	115.9	11.47	25.0	124.6	12.74	25.8	133.5	13.36	26.5	137.2	13.66	26.8
	15	366	105.3	9.03	19.5	115.9	10.63	20.0	124.6	11.87	20.3	133.5	12.48	20.7	137.2	12.76	20.9
	15	549	105.3	8.77	18.0	115.9	10.37	18.3	124.6	11.48	18.6	133.5	12.04	18.8	137.2	12.41	18.9
	20	183	103.7	11.55	29.0	114.3	13.51	30.0	123.1	15.09	30.8	131.6	15.82	31.5	135.3	16.16	31.9
	20	366	103.7	11.32	24.5	114.3	13.31	25.0	123.1	14.87	25.4	131.6	15.63	25.8	135.3	15.93	25.9
	20	549	103.7	10.94	23.0	114.3	12.91	23.3	123.1	14.43	23.6	131.6	15.04	23.8	135.3	15.51	23.9
	25	183	103.7	14.49	34.3	114.3	17.07	35.3	123.1	19.01	36.1	131.6	19.98	36.9	135.3	20.31	37.2
	25	366	103.7	13.55	29.6	114.3	15.93	30.1	123.1	17.72	30.5	131.6	18.67	30.9	135.3	18.97	31.0
	25	549	103.7	13.03	28.0	114.3	15.42	28.4	123.1	17.16	28.7	131.6	18.00	28.9	135.3	18.51	29.0
	30	183	103.7	17.01	39.5	114.3	19.99	40.5	123.1	22.32	41.4	131.6	23.41	42.1	135.3	23.80	42.5
	30	366	103.7	16.72	34.7	114.3	19.68	35.2	123.1	21.90	35.7	131.6	23.06	36.1	135.3	23.52	36.2
	30	549	103.7	16.19	33.1	114.3	19.06	33.5	123.1	21.25	33.8	131.6	22.30	34.0	135.3	22.90	34.1
	35	183	98.1	17.70	44.1	108.3	20.85	45.1	116.4	23.25	45.9	124.9	24.35	46.7	127.8	24.78	47.0
	35	366	98.1	17.36	39.5	108.3	20.50	40.0	116.4	22.84	40.5	124.9	24.00	40.8	127.8	24.50	41.0
	35	549	98.1	16.90	38.0	108.3	19.87	38.3	116.4	22.09	38.6	124.9	23.23	38.9	127.8	23.86	39.0
	40	183	82.0	18.43	47.9	90.3	21.69	48.8	97.3	24.19	49.5	104.1	25.37	50.1	107.1	25.89	50.4
	40	366	82.7	18.12	43.9	91.1	21.36	44.4	98.1	23.75	44.8	105.0	24.99	45.1	108.0	25.53	45.2
	40	549	83.9	17.57	42.6	92.4	20.63	43.0	99.5	23.06	43.2	106.5	24.19	43.4	109.6	24.92	43.5
	45	183	68.4	19.03	51.8	75.1	22.41	52.6	80.7	25.00	53.3	86.5	26.18	53.8	88.8	26.73	54.1
	45	366	69.0	18.72	48.4	75.7	22.03	48.8	81.4	24.53	49.1	87.2	25.87	49.4	89.6	26.38	49.5
	45	549	70.0	18.11	47.3	76.8	21.28	47.6	82.5	23.81	47.8	88.5	24.97	48.0	90.9	25.75	48.0
120	10	183	101.5	7.13	18.5	111.7	8.47	19.4	120.1	9.29	20.1	128.6	9.82	20.8	131.9	9.94	21.1
	10	366	101.5	6.66	14.2	111.7	7.91	14.7	120.1	8.83	15.0	128.6	9.27	15.4	131.9	9.28	15.5
	10	549	101.5	6.35	12.8	111.7	7.79	13.1	120.1	8.34	13.4	128.6	9.12	13.6	131.9	9.41	13.7
	15	183	100.3	9.27	23.6	110.1	10.94	24.5	118.6	12.21	25.2	127.1	12.79	26.0	130.3	13.01	26.2
	15	366	100.3	8.66	19.3	110.1	10.18	19.7	118.6	11.38	20.1	127.1	11.92	20.4	130.3	12.16	20.6
	15	549	100.3	8.36	17.8	110.1	9.91	18.1	118.6	10.96	18.4	127.1	11.52	18.6	130.3	11.88	18.7
	20	183	99.2	11.10	28.6	109.0	12.99	29.6	117.4	14.50	30.3	125.9	15.23	31.1	129.2	15.53	31.3
	20	366	99.2	10.86	24.3	109.0	12.76	24.8	117.4	14.29	25.2	125.9	15.01	25.5	129.2	15.27	25.7
	20	549	99.2	10.55	22.9	109.0	12.44	23.2	117.4	13.85	23.4	125.9	14.47	23.7	129.2	14.89	23.8
	25	183	99.2	13.93	33.9	109.0	16.38	34.8	117.4	18.18	35.6	125.9	19.15	36.4	129.2	19.48	36.6
	25	366	99.2	12.95	29.4	109.0	15.29	29.9	117.4	17.01	30.3	125.9	17.84	30.6	129.2	18.18	30.8
	25	549	99.2	12.47	27.9	109.0	14.74	28.2	117.4	16.45	28.5	125.9	17.26	28.7	129.2	17.68	28.8
	30	183	99.2	16.42	39.1	109.0	19.32	40.0	117.4	21.54	40.9	125.9	22.60	41.6	129.2	22.99	41.9
	30	366	99.2	16.15	34.5	109.0	18.97	35.0	117.4	21.17	35.4	125.9	22.25	35.8	129.2	22.67	35.9
	30	549	99.2	15.61	33.0	109.0	18.39	33.3	117.4	20.52	33.6	125.9	21.57	33.9	129.2	22.08	33.9
	35	183	95.3	17.32	43.8	105.0	20.42	44.8	113.2	22.76	45.6	120.9	23.82	46.3	124.2	24.29	46.6
	35	366	95.3	17.00	39.4	105.0	20.06	39.9	113.2	22.36	40.3	120.9	23.49	40.7	124.2	23.95	40.8
	35	549	95.3	16.50	37.9	105.0	19.47	38.3	113.2	21.62	38.5	120.9	22.71	38.8	124.2	23.33	38.9
	40	183	81.3	18.39	47.8	89.6	21.65	48.7	96.5	24.15	49.5	103.0	25.34	50.1	106.0	25.85	50.3
	40	366	82.0	18.08	43.9	90.3	21.32	44.4	97.3	23.71	44.7	103.9	24.91	45.0	106.9	25.45	45.2
	40	549	83.1	17.53	42.6	91.6	20.67	42.9	98.7	23.02	43.2	105.4	24.19	43.4	108.4	24.80	43.5
	45	183	69.1	19.32	51.9	76.5	22.78	52.8	82.5	25.40	53.4	87.9	26.62	54.0	90.3	27.17	54.2
	45	366	69.7	19.02	48.5	77.2	22.38	48.9	83.2	24.95	49.2	88.7	26.22	49.5	91.0	26.76	49.6
	45	549	70.7	18.38	47.3	78.3	21.71	47.6	84.4	24.20	47.8	90.0	25.43	48.0	92.3	25.99	48.1
110	10	183	95.8	6.69	18.0	105.3	7.99	18.9	113.3	8.79	19.6	121.5	9.29	20.2	124.4	9.40	20.5
	10	366	95.8	6.26	14.0	105.3	7.42	14.4	113.3	8.36	14.8	121.5	8.80	15.1	124.4	8.74	15.2
	10	549	95.8	6.06	12.7	105.3	7.28	12.9	113.3	7.97	13.2	121.5	8.62	13.4	124.4	8.80	13.5
	15	183	95.2	8.87	23.2	104.7	10.49	24.0	112.8	11.70	24.7	120.9	12.25	25.4	124.2	12.50	25.7
	15	366	95.2	8.29	19.1	104.7	9.74	19.5	112.8	10.90	19.8	120.9	11.44	20.2	124.2	11.65	20.3
	15	549	95.2	8.02	17.7	104.7	9.46	18.0	112.8	10.55	18.2	120.9	11.04	18.4	124.2	11.31	18.5
	20	183	94.9	10.72	28.3	104.4	12.56	29.2	112.5	14.03	29.9	120.4	14.70	30.6	123.6	14.99	30.9
	20	366	94.9	10.50	24.1	104.4	12.34	24.6	112.5	13.79	24.9	120.4	14.48	25.3	123.6	14.74	25.4
	20	549	94.9	10.19	22.7	104.4	12.00	23.0	112.5	13.38	23.3	120.4	14.01	23.5	123.6	14.30	23.6
	25	183	94.9	13.38	33.5	104.4	15.73	34.4	112.5	17.52	35.2	120.4	18.38	35.9	123.6	18.71	36.1
	25	366	94.9	12.47	29.2	104.4	14.67	29.7	112.5	16.34	30.0	120.4	17.14	30.4	123.6	17.45	30.5
	25	549	94.9	12.02	27.8	104.4	14.17	28.1	112.5	15.81	28.3	120.4	16.58	28.6	123.6	16.92	28.7
	30	183	94.9	15.95	38.7	104.4	18.76	39.6	112.5	20.92	40.5	120.4	21.95	41.1	123.6	22.35	41.4
	30	366	94.9	15.68	34.3	104.4	18.45	34.8	112.5	20.55	35.2	120.4	21.59	35.6	123.6	21.98	35.7
	30	549	94.9	15.18	32.9	104.4	17.89	33.2	112.5	19.93	33.5	120.4	20.91	33.7	123.6	21.36	33.8
	35	183	93.3	17.14	43.7	103.1	20.19	44.7	110.7	22.51	45.4	118.8	23.56	46.2	121.8	24.03	46.4
	35	366	93.3	16.83	39.3	103.1	19.84	39.8	110.7	22.12	40.2	118.8	23.19	40.6	121.8	23.64	40.7
	35	549	93.3	16.32	37.9	103.1	19.24	38.2	110.7	21.39	38.4	118.8	22.48	38.7	121.8	22.96	38.8
	40	183	81.7	18.70	47.9	90.2	22.02	48.8	96.9	24.53	49.5	103.9	25.73	50.2	106.8	26.24	50.4
	40	366	82.4	18.36	43.9	90.9	21.64	44.4	97.7	24.11	44.8	104.8	25.29	45.1	107.7	25.80	45.2
	40	549	83.6	17.79	42.6	92.2	20.98	43.0	99.1	23.37	43.2	106.3	24.55	43.4	109.2	25.06	43.5
	45	183	72.1	20.11	52.2	79.4	23.66	53.1	85.4	26.37	53.8	91.7	27.65	54.4	94.1	28.20	54.6
	45	366	72.7	19.72	48.6	80.1	23.24	49.0	86.2	25.90	49.4	92.5	27.24	49.7	94.9	27.73	49.8
	45	549	73.8	19.08	47.4	81.2	22.54	47.7	87.4	25.12	47.9	93.8	26.40	48.1	96.2	26.89	48.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	183	89.7	6.33	17.5	99.0	7.45	18.3	106.4	8.30	19.0	114.1	8.71	19.6	117.0	8.87	19.9
	10	366	89.7	5.90	13.7	99.0	6.98	14.1	106.4	7.90	14.5	114.1	8.26	14.8	117.0	8.26	14.9
	10	549	89.7	5.70	12.5	99.0	6.84	12.8	106.4	7.47	13.0	114.1	8.10	13.2	117.0	8.22	13.3
	15	183	89.7	8.45	22.7	99.0	9.95	23.5	106.4	11.08	24.2	114.1	11.63	24.9	117.0	11.85	25.1
	15	366	89.7	7.87	18.8	99.0	9.27	19.2	106.4	10.33	19.6	114.1	10.83	19.9	117.0	11.04	20.0
	15	549	89.7	7.61	17.5	99.0	8.96	17.8	106.4	9.98	18.0	114.1	10.47	18.3	117.0	10.67	18.3
	20	183	89.7	10.18	27.8	99.0	11.99	28.7	106.4	13.36	29.4	114.1	14.01	30.0	117.0	14.28	30.3
	20	366	89.7	10.01	23.9	99.0	11.79	24.3	106.4	13.13	24.7	114.1	13.78	25.0	117.0	14.03	25.1
	20	549	89.7	9.70	22.6	99.0	11.42	22.9	106.4	12.73	23.1	114.1	13.35	23.3	117.0	13.60	23.4
	25	183	89.7	12.69	33.0	99.0	14.94	33.9	106.4	16.64	34.6	114.1	17.46	35.3	117.0	17.79	35.6
	25	366	89.7	11.82	29.0	99.0	13.92	29.4	106.4	15.51	29.8	114.1	16.27	30.1	117.0	16.57	30.2
	25	549	89.7	11.43	27.6	99.0	13.46	27.9	106.4	14.99	28.2	114.1	15.73	28.4	117.0	16.02	28.5
	30	183	89.7	15.25	38.2	99.0	17.95	39.2	106.4	20.00	39.9	114.1	20.98	40.6	117.0	21.38	40.8
	30	366	89.7	14.99	34.1	99.0	17.65	34.6	106.4	19.66	34.9	114.1	20.63	35.3	117.0	21.01	35.4
	30	549	89.7	14.52	32.7	99.0	17.10	33.0	106.4	19.05	33.3	114.1	19.99	33.5	117.0	20.36	33.6
	35	183	89.7	16.57	43.3	99.0	19.51	44.3	106.4	21.73	45.0	114.1	22.80	45.7	117.0	23.23	46.0
	35	366	89.7	16.28	39.1	99.0	19.17	39.6	106.4	21.36	40.0	114.1	22.41	40.3	117.0	22.83	40.5
	35	549	89.7	15.78	37.8	99.0	18.58	38.1	106.4	20.71	38.3	114.1	21.72	38.5	117.0	22.13	38.6
	40	183	79.8	18.36	47.7	88.0	21.61	48.6	94.6	24.08	49.3	101.5	25.26	49.9	104.1	25.74	50.2
	40	366	80.4	18.04	43.9	88.8	21.25	44.3	95.4	23.67	44.7	102.4	24.83	45.0	105.0	25.30	45.1
	40	549	81.6	17.49	42.6	90.1	20.59	42.9	96.8	22.94	43.1	103.8	24.07	43.3	106.5	24.52	43.4
	45	183	71.6	19.98	52.2	79.1	23.52	53.0	85.0	26.21	53.7	91.2	27.50	54.3	93.5	28.01	54.5
	45	366	72.2	19.64	48.6	79.7	23.12	49.0	85.7	25.76	49.4	91.9	27.03	49.7	94.3	27.54	49.8
	45	549	73.3	19.03	47.4	80.9	22.41	47.7	86.9	24.97	47.9	93.2	26.20	48.1	95.6	26.69	48.2
90	10	183	80.9	5.55	16.8	89.3	6.53	17.5	96.0	7.28	18.1	103.0	7.63	18.7	105.6	7.78	18.9
	10	366	80.9	5.45	13.4	89.3	6.42	13.7	96.0	7.15	14.0	103.0	7.50	14.3	105.6	7.65	14.4
	10	549	80.9	5.28	12.3	89.3	6.22	12.5	96.0	6.93	12.7	103.0	7.27	12.9	105.6	7.41	13.0
	15	183	80.9	7.40	21.9	89.3	8.72	22.7	96.0	9.71	23.3	103.0	10.19	23.9	105.6	10.38	24.1
	15	366	80.9	7.28	18.5	89.3	8.57	18.8	96.0	9.55	19.1	103.0	10.02	19.4	105.6	10.20	19.5
	15	549	80.9	7.05	17.3	89.3	8.31	17.5	96.0	9.25	17.7	103.0	9.71	17.9	105.6	9.89	18.0
	20	183	80.9	8.92	27.0	89.3	10.51	27.8	96.0	11.71	28.4	103.0	12.28	29.0	105.6	12.51	29.3
	20	366	80.9	8.77	23.5	89.3	10.33	23.9	96.0	11.51	24.2	103.0	12.07	24.5	105.6	12.30	24.6
	20	549	80.9	8.50	22.3	89.3	10.01	22.6	96.0	11.15	22.8	103.0	11.70	23.0	105.6	11.92	23.1
	25	183	80.9	11.12	32.2	89.3	13.09	33.0	96.0	14.59	33.7	103.0	15.30	34.3	105.6	15.59	34.5
	25	366	80.9	10.93	28.6	89.3	12.87	29.0	96.0	14.34	29.3	103.0	15.04	29.6	105.6	15.32	29.7
	25	549	80.9	10.59	27.4	89.3	12.47	27.7	96.0	13.90	27.9	103.0	14.58	28.1	105.6	14.85	28.1
	30	183	80.9	13.36	37.4	89.3	15.73	38.2	96.0	17.53	38.9	103.0	18.39	39.5	105.6	18.73	39.7
	30	366	80.9	13.13	33.7	89.3	15.47	34.1	96.0	17.23	34.4	103.0	18.08	34.7	105.6	18.41	34.9
	30	549	80.9	12.73	32.4	89.3	14.99	32.7	96.0	16.70	32.9	103.0	17.52	33.1	105.6	17.85	33.2
	35	183	80.9	14.52	42.5	89.3	17.10	43.3	96.0	19.05	44.0	103.0	19.98	44.6	105.6	20.36	44.9
	35	366	80.9	14.27	38.7	89.3	16.80	39.2	96.0	18.72	39.5	103.0	19.64	39.8	105.6	20.01	39.9
	35	549	80.9	13.83	37.5	89.3	16.29	37.8	96.0	18.15	38.0	103.0	19.04	38.2	105.6	19.39	38.3
	40	183	72.0	16.09	46.9	79.4	18.94	47.7	85.4	21.10	48.3	91.6	22.14	48.9	93.9	22.55	49.1
	40	366	72.6	15.81	43.5	80.1	18.62	43.9	86.1	20.74	44.2	92.4	21.76	44.5	94.7	22.17	44.6
	40	549	73.6	15.33	42.3	81.3	18.05	42.6	87.3	20.11	42.8	93.7	21.09	43.0	96.1	21.49	43.1
	45	183	64.6	17.51	51.4	71.3	20.62	52.2	76.7	22.97	52.8	82.2	24.10	53.3	84.3	24.55	53.5
	45	366	65.2	17.21	48.2	71.9	20.27	48.6	77.3	22.58	48.9	82.9	23.69	49.2	85.1	24.13	49.3
	45	549	66.1	16.68	47.2	73.0	19.64	47.4	78.4	21.88	47.6	84.1	22.96	47.8	86.3	23.39	47.9
80	10	183	71.8	4.59	16.0	79.3	5.41	16.6	85.2	6.03	17.1	91.4	6.32	17.7	93.7	6.44	17.8
	10	366	71.8	4.52	13.0	79.3	5.32	13.3	85.2	5.92	13.6	91.4	6.22	13.8	93.7	6.33	13.9
	10	549	71.8	4.38	12.0	79.3	5.15	12.2	85.2	5.74	12.4	91.4	6.02	12.5	93.7	6.14	12.6
	15	183	71.8	6.13	21.1	79.3	7.22	21.8	85.2	8.04	22.3	91.4	8.44	22.8	93.7	8.60	23.0
	15	366	71.8	6.03	18.0	79.3	7.10	18.4	85.2	7.91	18.6	91.4	8.30	18.9	93.7	8.45	19.0
	15	549	71.8	5.84	17.0	79.3	6.88	17.2	85.2	7.66	17.4	91.4	8.04	17.6	93.7	8.19	17.7
	20	183	71.8	7.39	26.2	79.3	8.70	26.9	85.2	9.70	27.4	91.4	10.17	28.0	93.7	10.36	28.2
	20	366	71.8	7.26	23.1	79.3	8.55	23.4	85.2	9.53	23.7	91.4	10.00	24.0	93.7	10.19	24.1
	20	549	71.8	7.04	22.1	79.3	8.29	22.3	85.2	9.24	22.5	91.4	9.69	22.6	93.7	9.87	22.7
	25	183	71.8	9.21	31.3	79.3	10.84	32.1	85.2	12.08	32.6	91.4	12.67	33.2	93.7	12.91	33.4
	25	366	71.8	9.05	28.2	79.3	10.66	28.5	85.2	11.87	28.8	91.4	12.46	29.1	93.7	12.69	29.2
	25	549	71.8	8.77	27.1	79.3	10.33	27.3	85.2	11.51	27.5	91.4	12.07	27.7	93.7	12.30	27.8
	30	183	71.8	11.07	36.5	79.3	13.03	37.2	85.2	14.52	37.8	91.4	15.23	38.4	93.7	15.52	38.6
	30	366	71.8	10.88	33.2	79.3	12.81	33.6	85.2	14.27	33.9	91.4	14.97	34.2	93.7	15.25	34.3
	30	549	71.8	10.54	32.2	79.3	12.41	32.4	85.2	13.83	32.6	91.4	14.51	32.8	93.7	14.78	32.8
	35	183	71.8	12.02	41.6	79.3	14.16	42.3	85.2	15.77	42.9	91.4	16.55	43.5	93.7	16.86	43.7
	35	366	71.8	11.82	38.3	79.3	13.92	38.6	85.2	15.51	38.9	91.4	16.27	39.2	93.7	16.57	39.3
	35	549	71.8	11.46	37.2	79.3	13.49	37.4	85.2	15.03	37.6	91.4	15.77	37.8	93.7	16.06	37.9
	40	183	63.9	13.32	46.0	70.5	15.69	46.8	75.8	17.48	47.3	81.3	18.34	47.8	83.4	18.68	48.0
	40	366	64.4	13.10	43.0	71.1	15.42	43.4	76.4	17.18	43.7	82.0	18.02	43.9	84.1	18.36	44.0
	40	549	65.3	12.69	42.0	72.1	14.95	42.3	77.5	16.65	42.5	83.2	17.47	42.6	85.3	17.80	42.7
	45	183	57.4	14.50	50.6	63.3	17.08	51.3	68.0	19.02	51.8	73.0	19.96	52.3	74.9	20.33	52.5
	45	366	57.8	14.25	47.8	63.8	16.78	48.2	68.6	18.70	48.4	73.6	19.62	48.7	75.5	19.99	48.7
	45	549	58.7	13.82	46.9	64.8	16.27	47.1	69.6	18.12	47.3	74.7	19.01	47.4	76.6	19.37	47.5

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	183	62.9	3.85	15.2	69.4	4.53	15.8	74.6	5.05	16.2	80.0	5.30	16.7	82.0	5.40	16.8
	10	366	62.9	3.78	12.6	69.4	4.46	12.9	74.6	4.97	13.1	80.0	5.21	13.3	82.0	5.31	13.4
	10	549	62.9	3.67	11.7	69.4	4.32	11.9	74.6	4.81	12.1	80.0	5.05	12.2	82.0	5.14	12.3
	15	183	62.9	5.14	20.3	69.4	6.05	20.9	74.6	6.74	21.4	80.0	7.07	21.8	82.0	7.21	22.0
	15	366	62.9	5.05	17.7	69.4	5.95	18.0	74.6	6.63	18.2	80.0	6.95	18.4	82.0	7.08	18.5
	15	549	62.9	4.90	16.8	69.4	5.77	17.0	74.6	6.42	17.1	80.0	6.74	17.3	82.0	6.87	17.3
	20	183	62.9	6.19	25.4	69.4	7.29	26.0	74.6	8.13	26.5	80.0	8.53	26.9	82.0	8.68	27.1
	20	366	62.9	6.09	22.7	69.4	7.17	23.0	74.6	7.99	23.2	80.0	8.38	23.5	82.0	8.54	23.5
	20	549	62.9	5.90	21.8	69.4	6.95	22.0	74.6	7.74	22.1	80.0	8.12	22.3	82.0	8.27	22.4
	25	183	62.9	7.72	30.5	69.4	9.09	31.1	74.6	10.12	31.6	80.0	10.62	32.1	82.0	10.82	32.3
	25	366	62.9	7.59	27.8	69.4	8.93	28.1	74.6	9.95	28.3	80.0	10.44	28.5	82.0	10.64	28.6
	25	549	62.9	7.35	26.8	69.4	8.66	27.0	74.6	9.65	27.2	80.0	10.12	27.4	82.0	10.31	27.4
	30	183	62.9	9.27	35.6	69.4	10.92	36.3	74.6	12.17	36.8	80.0	12.76	37.3	82.0	13.00	37.4
	30	366	62.9	9.12	32.8	69.4	10.73	33.1	74.6	11.96	33.4	80.0	12.55	33.6	82.0	12.78	33.7
	30	549	62.9	8.84	31.9	69.4	10.40	32.1	74.6	11.59	32.2	80.0	12.16	32.4	82.0	12.39	32.5
	35	183	62.9	10.08	40.7	69.4	11.87	41.4	74.6	13.22	41.9	80.0	13.87	42.4	82.0	14.13	42.5
	35	366	62.9	9.91	37.8	69.4	11.66	38.2	74.6	13.00	38.4	80.0	13.63	38.7	82.0	13.89	38.8
	35	549	62.9	9.60	36.9	69.4	11.31	37.1	74.6	12.60	37.3	80.0	13.21	37.4	82.0	13.46	37.5
	40	183	55.9	11.17	45.3	61.7	13.15	45.9	66.3	14.65	46.3	71.2	15.37	46.8	73.0	15.66	46.9
	40	366	56.4	10.98	42.6	62.2	12.92	42.9	66.9	14.40	43.2	71.8	15.11	43.4	73.6	15.39	43.5
	40	549	57.2	10.64	41.8	63.1	12.53	42.0	67.9	13.96	42.1	72.8	14.64	42.3	74.6	14.92	42.3
	45	183	50.2	12.15	49.9	55.4	14.31	50.5	59.6	15.94	50.9	63.9	16.73	51.3	65.5	17.04	51.5
	45	366	50.6	11.95	47.5	55.9	14.07	47.7	60.1	15.67	48.0	64.4	16.44	48.2	66.1	16.75	48.2
	45	549	51.4	11.58	46.6	56.7	13.63	46.8	60.9	15.19	47.0	65.4	15.94	47.1	67.0	16.24	47.2
60	10	183	53.6	3.02	14.4	59.2	3.56	14.9	63.7	3.97	15.3	68.3	4.16	15.7	70.0	4.24	15.8
	10	366	53.6	2.97	12.2	59.2	3.50	12.5	63.7	3.90	12.6	68.3	4.09	12.8	70.0	4.17	12.9
	10	549	53.6	2.88	11.5	59.2	3.39	11.6	63.7	3.78	11.8	68.3	3.96	11.9	70.0	4.04	11.9
	15	183	53.6	4.04	19.5	59.2	4.75	20.0	63.7	5.29	20.4	68.3	5.55	20.8	70.0	5.66	20.9
	15	366	53.6	3.97	17.3	59.2	4.67	17.5	63.7	5.20	17.7	68.3	5.46	17.9	70.0	5.56	18.0
	15	549	53.6	3.84	16.5	59.2	4.53	16.7	63.7	5.04	16.8	68.3	5.29	16.9	70.0	5.39	17.0
	20	183	53.6	4.86	24.6	59.2	5.73	25.1	63.7	6.38	25.5	68.3	6.69	25.9	70.0	6.82	26.0
	20	366	53.6	4.78	22.3	59.2	5.63	22.5	63.7	6.27	22.7	68.3	6.58	22.9	70.0	6.70	23.0
	20	549	53.6	4.63	21.5	59.2	5.46	21.7	63.7	6.08	21.8	68.3	6.38	21.9	70.0	6.50	22.0
	25	183	53.6	6.06	29.7	59.2	7.14	30.2	63.7	7.95	30.6	68.3	8.34	31.0	70.0	8.50	31.1
	25	366	53.6	5.96	27.3	59.2	7.01	27.6	63.7	7.81	27.8	68.3	8.20	28.0	70.0	8.35	28.1
	25	549	53.6	5.77	26.6	59.2	6.80	26.7	63.7	7.57	26.9	68.3	7.95	27.0	70.0	8.09	27.0
	30	183	53.6	7.28	34.8	59.2	8.57	35.3	63.7	9.55	35.7	68.3	10.02	36.1	70.0	10.21	36.3
	30	366	53.6	7.16	32.4	59.2	8.43	32.6	63.7	9.39	32.9	68.3	9.85	33.1	70.0	10.04	33.1
	30	549	53.6	6.94	31.6	59.2	8.17	31.8	63.7	9.10	31.9	68.3	9.55	32.0	70.0	9.73	32.1
	35	183	53.6	7.91	39.8	59.2	9.32	40.4	63.7	10.38	40.8	68.3	10.89	41.2	70.0	11.10	41.4
	35	366	53.6	7.78	37.4	59.2	9.16	37.7	63.7	10.20	37.9	68.3	10.71	38.1	70.0	10.91	38.2
	35	549	53.6	7.54	36.6	59.2	8.88	36.8	63.7	9.89	36.9	68.3	10.38	37.1	70.0	10.57	37.1
	40	183	47.7	8.77	44.4	52.7	10.32	44.9	56.6	11.50	45.3	60.7	12.07	45.7	62.3	12.29	45.8
	40	366	48.1	8.62	42.2	53.1	10.15	42.5	57.1	11.31	42.7	61.2	11.86	42.9	62.8	12.08	42.9
	40	549	48.8	8.35	41.5	53.9	9.84	41.7	57.9	10.96	41.8	62.1	11.50	41.9	63.7	11.71	42.0
	45	183	42.8	9.54	49.1	47.3	11.24	49.6	50.8	12.52	50.0	54.5	13.13	50.3	55.9	13.38	50.4
	45	366	43.2	9.38	47.1	47.7	11.05	47.3	51.3	12.31	47.5	55.0	12.91	47.7	56.4	13.15	47.7
	45	549	43.8	9.09	46.4	48.4	10.71	46.5	52.0	11.93	46.7	55.8	12.51	46.8	57.2	12.75	46.8
50	10	183	44.9	2.25	13.7	49.6	2.65	14.1	53.3	2.95	14.4	57.2	3.09	14.7	58.6	3.15	14.8
	10	366	44.9	2.21	11.8	49.6	2.60	12.0	53.3	2.90	12.2	57.2	3.04	12.4	58.6	3.10	12.4
	10	549	44.9	2.14	11.2	49.6	2.52	11.4	53.3	2.81	11.5	57.2	2.95	11.6	58.6	3.00	11.6
	15	183	44.9	3.00	18.8	49.6	3.53	19.2	53.3	3.94	19.5	57.2	4.13	19.8	58.6	4.21	19.9
	15	366	44.9	2.95	16.9	49.6	3.47	17.1	53.3	3.87	17.2	57.2	4.06	17.4	58.6	4.13	17.5
	15	549	44.9	2.86	16.2	49.6	3.37	16.4	53.3	3.75	16.5	57.2	3.93	16.6	58.6	4.01	16.6
	20	183	44.9	3.62	23.8	49.6	4.26	24.2	53.3	4.74	24.5	57.2	4.98	24.9	58.6	5.07	25.0
	20	366	44.9	3.55	21.9	49.6	4.18	22.1	53.3	4.66	22.3	57.2	4.89	22.4	58.6	4.98	22.5
	20	549	44.9	3.44	21.3	49.6	4.06	21.4	53.3	4.52	21.5	57.2	4.74	21.6	58.6	4.83	21.7
	25	183	44.9	4.50	28.9	49.6	5.30	29.3	53.3	5.91	29.6	57.2	6.20	30.0	58.6	6.32	30.1
	25	366	44.9	4.43	26.9	49.6	5.21	27.1	53.3	5.81	27.3	57.2	6.09	27.5	58.6	6.21	27.5
	25	549	44.9	4.29	26.3	49.6	5.05	26.4	53.3	5.63	26.5	57.2	5.91	26.6	58.6	6.02	26.7
	30	183	44.9	5.41	33.9	49.6	6.37	34.4	53.3	7.10	34.7	57.2	7.45	35.1	58.6	7.59	35.2
	30	366	44.9	5.32	32.0	49.6	6.27	32.2	53.3	6.98	32.4	57.2	7.32	32.5	58.6	7.46	32.6
	30	549	44.9	5.16	31.3	49.6	6.07	31.5	53.3	6.77	31.6	57.2	7.10	31.7	58.6	7.23	31.7
	35	183	44.9	5.88	39.0	49.6	6.93	39.4	53.3	7.72	39.8	57.2	8.10	40.1	58.6	8.25	40.2
	35	366	44.9	5.78	37.0	49.6	6.81	37.2	53.3	7.59	37.4	57.2	7.96	37.6	58.6	8.11	37.6
	35	549	44.9	5.60	36.3	49.6	6.60	36.5	53.3	7.35	36.6	57.2	7.71	36.7	58.6	7.86	36.7
	40	183	40.0	6.52	43.6	44.1	7.67	44.1	47.4	8.55	44.4	50.9	8.97	44.7	52.1	9.14	44.8
	40	366	40.3	6.41	41.8	44.5	7.54	42.0	47.8	8.40	42.2	51.3	8.82	42.4	52.6	8.98	42.4
	40	549	40.9	6.21	41.2	45.1	7.31	41.4	48.5	8.15	41.5	52.0	8.55	41.6	53.3	8.71	41.6
	45	183	35.9	7.09	48.4	39.6	8.35	48.8	42.6	9.31	49.1	45.7	9.76	49.3	46.8	9.95	49.4
	45	366	36.2	6.97	46.7	39.9	8.21	46.9	42.9	9.15	47.0	46.0	9.60	47.2	47.2	9.78	47.2
	45	549	36.7	6.76	46.1	40.5	7.96	46.3	43.5	8.87	46.4	46.7	9.30	46.5	47.9	9.48	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	183	144.1	31.53	-3.8	141.9	30.10	-3.8	137.4	29.33	-3.5	129.1	27.18	-3.0	124.4	25.12	-2.8
	5	366	148.4	31.29	0.4	145.0	30.33	0.5	140.1	29.80	0.7	131.2	27.54	0.9	126.2	25.46	1.1
	5	549	149.5	32.40	1.9	146.0	31.34	2.0	140.9	30.35	2.1	132.3	28.13	2.3	127.6	26.43	2.4
	10	183	145.0	28.21	0.9	142.3	26.93	1.0	137.4	26.45	1.3	129.1	24.50	1.8	124.4	22.78	2.0
	10	366	148.4	27.99	5.3	145.0	27.01	5.4	140.1	26.64	5.6	131.2	24.43	5.8	126.2	22.76	5.9
	10	549	149.5	28.55	6.8	146.5	27.61	6.9	141.7	26.79	7.0	132.3	24.61	7.2	127.6	23.22	7.3
	15	183	145.7	25.23	5.6	143.1	23.92	5.7	141.1	24.06	5.8	131.0	21.82	6.4	125.5	20.52	6.8
	15	366	150.2	24.21	10.1	147.2	23.51	10.2	145.6	23.87	10.2	135.4	21.21	10.5	129.1	19.81	10.7
	15	549	151.4	25.08	11.7	149.5	24.33	11.7	148.3	23.87	11.8	137.6	21.14	12.0	132.0	20.66	12.1
	20	183	151.0	23.20	10.0	148.3	21.92	10.1	146.4	21.76	10.2	136.1	19.48	10.9	129.8	19.34	11.3
	20	366	155.9	22.30	14.8	153.2	21.96	14.9	150.5	22.61	15.0	140.5	20.10	15.3	134.5	19.42	15.5
	20	549	157.0	22.55	16.5	154.7	21.84	16.5	153.6	21.91	16.6	142.3	19.70	16.8	135.9	19.42	17.0
	25	183	158.1	22.18	14.4	154.3	21.29	14.6	152.9	21.20	14.7	143.0	19.29	15.3	137.3	18.44	15.7
	25	366	158.1	21.84	19.7	154.3	21.14	19.8	152.9	20.82	19.8	143.0	18.98	20.1	137.3	18.54	20.3
	25	549	158.1	21.39	21.4	154.3	20.32	21.5	152.9	20.37	21.5	143.0	19.12	21.8	137.3	17.38	21.9
	30	183	158.1	21.54	19.3	154.3	20.29	19.5	152.9	20.34	19.6	143.0	18.14	20.2	137.3	18.31	20.7
	30	366	158.1	20.82	24.6	154.3	20.14	24.7	152.9	19.85	24.8	143.0	18.30	25.1	137.3	17.10	25.3
	30	549	158.1	20.37	26.4	154.3	19.32	26.5	152.9	19.35	26.5	143.0	17.09	26.7	137.3	17.82	26.9
	35	183	158.1	20.52	24.2	154.3	19.62	24.4	152.9	19.55	24.6	143.0	17.48	25.2	137.3	16.36	25.5
	35	366	158.1	19.84	29.6	154.3	19.18	29.7	152.9	19.17	29.8	143.0	17.28	30.1	137.3	15.98	30.2
	35	549	158.1	19.84	31.4	154.3	18.84	31.5	152.9	18.64	31.5	143.0	16.78	31.7	137.3	15.57	31.8
	40	183	158.1	19.85	29.2	154.3	18.95	29.4	152.9	18.83	29.5	143.0	16.82	30.1	137.3	16.12	30.5
	40	366	158.1	19.17	34.6	154.3	18.47	34.7	152.9	18.19	34.7	143.0	16.21	35.0	137.3	15.52	35.2
	40	549	158.1	18.64	36.4	154.3	18.02	36.4	152.9	18.19	36.5	143.0	16.21	36.7	137.3	15.52	36.8
	45	183	158.1	19.17	34.1	154.3	18.32	34.3	152.9	18.19	34.5	143.0	16.04	35.1	137.3	15.96	35.5
	45	366	158.1	18.52	39.5	154.3	17.84	39.7	152.9	17.17	39.7	143.0	15.01	40.0	137.3	15.03	40.2
	45	549	158.1	17.47	41.3	154.3	17.17	41.4	152.9	17.70	41.5	143.0	15.46	41.7	137.3	15.54	41.8
120	5	183	137.3	31.28	-3.3	135.1	29.98	-3.2	130.6	29.12	-2.9	123.0	26.79	-2.5	117.7	24.75	-2.3
	5	366	140.7	31.71	0.7	137.7	30.58	0.8	132.2	29.80	1.0	124.4	27.34	1.2	119.1	25.04	1.3
	5	549	141.9	32.01	2.1	136.6	30.91	2.2	133.0	30.35	2.3	125.1	27.89	2.5	119.8	25.58	2.5
	10	183	138.1	27.99	1.4	135.5	26.82	1.5	130.6	26.27	1.8	123.0	24.15	2.3	117.7	22.44	2.5
	10	366	140.7	28.36	5.6	137.7	27.23	5.7	132.2	26.64	5.9	124.4	24.26	6.1	119.1	22.38	6.2
	10	549	141.9	28.21	7.0	137.0	27.23	7.1	133.8	26.79	7.2	125.1	24.39	7.4	119.8	22.47	7.5
	15	183	138.9	24.78	6.1	135.9	23.70	6.2	134.1	23.68	6.3	124.9	21.50	6.9	118.8	20.18	7.3
	15	366	141.9	25.00	10.4	139.2	23.92	10.5	137.2	23.87	10.6	127.8	21.21	10.8	121.3	19.53	11.0
	15	549	143.0	24.44	11.9	139.2	23.59	12.0	138.7	23.87	12.0	129.2	21.14	12.2	122.7	19.53	12.3
	20	183	142.6	22.25	10.6	140.0	21.06	10.7	137.5	20.81	10.9	128.1	18.86	11.4	121.6	18.78	11.9
	20	366	146.4	22.00	15.1	143.4	21.51	15.2	140.2	22.05	15.4	131.0	19.43	15.6	124.8	18.32	15.8
	20	549	147.1	21.95	16.7	143.0	21.13	16.8	142.5	21.19	16.8	132.5	19.04	17.0	125.9	18.42	17.2
	25	183	148.6	20.97	15.0	144.1	19.72	15.3	141.7	19.65	15.4	132.5	17.74	16.0	127.0	16.91	16.4
	25	366	149.0	20.67	20.0	144.1	19.61	20.1	141.7	19.54	20.2	132.5	17.41	20.5	127.0	17.01	20.7
	25	549	149.7	19.49	21.6	144.1	18.83	21.7	141.7	19.01	21.8	132.5	18.00	22.0	127.0	15.91	22.1
	30	183	149.4	19.95	19.9	144.1	18.76	20.2	141.7	18.52	20.4	132.5	16.27	20.9	127.0	16.39	21.3
	30	366	149.4	19.31	24.9	144.1	18.31	25.1	141.7	18.18	25.2	132.5	16.39	25.5	127.0	15.28	25.6
	30	549	149.4	18.36	26.6	144.1	17.68	26.7	141.7	17.65	26.8	132.5	15.73	27.0	127.0	15.92	27.1
	35	183	149.4	18.97	24.8	144.1	17.76	25.1	141.7	17.50	25.3	132.5	15.61	25.8	127.0	14.52	26.2
	35	366	149.4	17.87	29.9	144.1	17.09	30.0	141.7	16.82	30.1	132.5	15.05	30.4	127.0	13.91	30.6
	35	549	149.4	17.57	31.6	144.1	16.90	31.7	141.7	16.82	31.7	132.5	15.05	31.9	127.0	13.91	32.0
	40	183	149.4	18.29	29.7	144.1	16.90	30.0	141.7	16.48	30.2	132.5	14.61	30.8	127.0	13.96	31.1
	40	366	149.4	16.89	34.8	144.1	16.12	35.0	141.7	15.80	35.1	132.5	14.04	35.4	127.0	13.35	35.6
	40	549	149.4	16.55	36.5	144.1	15.78	36.6	141.7	15.80	36.7	132.5	14.04	36.9	127.0	13.35	37.0
	45	183	149.4	17.65	34.7	144.1	16.05	35.0	141.7	15.50	35.1	132.5	13.55	35.7	127.0	13.41	36.1
	45	366	149.4	15.87	39.8	144.1	15.12	39.9	141.7	14.78	40.0	132.5	12.87	40.3	127.0	12.80	40.5
	45	549	149.4	15.57	41.5	144.1	14.71	41.6	141.7	14.78	41.7	132.5	12.87	41.9	127.0	12.80	42.0
110	5	183	131.3	31.61	-2.8	128.5	30.10	-2.7	123.7	29.20	-2.4	116.9	26.79	-2.1	110.9	24.75	-1.7
	5	366	134.0	31.84	1.0	130.0	30.58	1.1	124.9	29.80	1.3	117.6	27.34	1.5	111.6	25.04	1.6
	5	549	135.1	32.31	2.3	130.7	30.91	2.4	125.3	30.10	2.5	117.6	27.61	2.6	112.0	25.58	2.7
	10	183	132.1	28.29	1.9	128.9	26.93	2.0	123.7	26.34	2.4	116.9	24.15	2.7	110.9	22.44	3.1
	10	366	134.0	28.48	5.9	130.0	27.23	6.0	124.9	26.64	6.2	117.6	24.26	6.3	111.6	22.38	6.5
	10	549	135.1	28.48	7.2	131.1	27.23	7.3	126.1	26.56	7.4	117.6	24.15	7.6	112.0	22.47	7.7
	15	183	132.5	24.93	6.6	129.2	23.92	6.8	127.0	23.87	6.9	118.7	21.50	7.4	111.9	20.18	7.8
	15	366	134.8	24.78	10.7	131.1	23.92	10.8	128.5	23.87	10.9	119.8	21.21	11.1	113.3	19.53	11.3
	15	549	135.9	24.55	12.1	131.9	23.59	12.2	129.7	23.38	12.2	120.5	20.69	12.4	113.7	19.53	12.5
	20	183	135.1	21.61	11.1	131.5	20.72	11.3	128.9	20.51	11.5	119.8	18.54	12.1	113.3	18.18	12.5
	20	366	138.1	21.52	15.4	133.0	20.84	15.6	130.0	21.28	15.7	121.6	18.83	16.0	114.7	17.45	16.2
	20	549	139.3	21.76	16.9	134.9	20.72	17.0	131.6	20.51	17.1	122.3	17.96	17.3	115.8	17.45	17.4
	25	183	138.9	19.57	15.7	134.5	18.53	15.9	131.2	18.51	16.2	122.3	16.48	16.7	116.2	15.41	17.1
	25	366	140.0	19.45	20.3	134.5	18.23	20.4	131.2	18.17	20.6	122.3	16.18	20.8	116.2	15.45	21.1
	25	549	141.1	19.46	21.8	134.5	18.35	22.0	131.2	17.64	22.0	122.3	16.73	22.2	116.2	14.43	22.3
	30	183	140.8	17.79	20.4	134.5	16.90	20.8	131.2	16.47	21.0	122.3	14.74	21.6	116.2	14.19	22.0
	30	366	140.8	17.49	25.2	134.5	16.56	25.4	131.2	16.13	25.5	122.3	14.79	25.8	116.2	13.42	26.0
	30	549	140.8	17.30	26.8	134.5	16.08	26.9	131.2	15.60	27.0	122.3	13.78	27.2	116.2	13.98	27.3
	35	183	140.8	16.81	25.3	134.5	15.56	25.7	131.2	15.15	25.9	122.3	13.43	26.5	116.2	12.41	26.9
	35	366	140.8	16.13	30.1	134.5	15.26	30.3	131.2	14.77	30.4	122.3	13.18	30.7	116.2	12.07	30.9
	35	549	140.8	15.53	31.7	134.5	14.74	31.9	131.2	14.32	31.9	122.3	13.18	32.2	116.2	12.07	32.3
	40	183	140.8	15.79	30.2	134.5	14.92	30.6	131.2	14.13	30.8	122.3	12.44	31.4	116.2	11.76	31.8
	40	366	140.8	15.15	35.1	134.5	14.25	35.3	131.2	13.45	35.4	122.3	12.14	35.7	116.2	11.50	35.9
	40	549	140.8	14.81	36.7	134.5	13.73	36.8	131.2	13.45	36.9	122.3	11.65	37.1	116.2	11.01	37.3
	45	183	140.8	14.77	35.1	134.5	14.26	35.6	131.2	13.12	35.8	122.3	11.43	36.3	116.2	11.14	36.8
	45	366	140.8	14.13	40.0	134.5	13.25	40.3	131.2	12.09	40.3	122.3	11.01	40.6	116.2	10.89	40.9
	45	549	140.8	14.13	41.7	134.5	12.73	41.8	131.2	12.62	41.9	122.3	10.11	42.1	116.2	9.88	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	183	125.4	31.71	-2.3	120.9	30.49	-2.1	116.6	29.29	-1.8	110.0	26.87	-1.5	103.9	24.44	-1.2
	5	366	127.3	32.28	1.3	122.0	31.01	1.4	117.0	29.89	1.6	110.0	27.43	1.8	103.9	24.93	1.9
	5	549	128.4	32.58	2.5	122.4	31.35	2.6	116.7	30.19	2.7	110.0	27.69	2.8	103.9	25.15	2.9
	10	183	126.1	28.38	2.3	121.3	27.28	2.6	116.6	26.42	2.9	110.0	24.22	3.3	103.9	22.17	3.6
	10	366	127.3	28.87	6.1	122.0	27.61	6.3	117.0	26.72	6.5	110.0	24.33	6.6	103.9	22.28	6.8
	10	549	128.4	28.72	7.4	122.8	27.61	7.5	117.4	26.64	7.6	110.0	24.22	7.8	103.9	22.09	7.9
	15	183	126.5	25.00	7.0	122.0	24.11	7.3	119.7	23.94	7.5	111.7	21.57	7.9	104.8	19.93	8.4
	15	366	127.3	25.50	11.0	122.0	24.18	11.2	119.7	23.94	11.2	111.7	21.27	11.5	104.8	19.59	11.7
	15	549	128.8	24.85	12.3	123.1	23.88	12.4	119.7	23.45	12.5	111.7	20.75	12.6	104.8	19.11	12.8
	20	183	127.6	21.37	11.7	122.4	20.45	12.0	119.7	20.23	12.2	111.7	18.28	12.7	104.8	17.28	13.1
	20	366	129.5	21.54	15.8	122.8	20.63	16.0	119.7	20.23	16.1	111.7	18.28	16.3	104.8	16.61	16.5
	20	549	130.6	21.18	17.1	124.6	20.26	17.3	119.7	19.70	17.4	111.7	17.43	17.5	104.8	16.12	17.7
	25	183	129.1	18.64	16.3	124.3	17.65	16.6	119.7	17.20	17.0	111.7	15.30	17.4	104.8	13.96	17.9
	25	366	131.0	18.68	20.6	124.3	17.28	20.8	119.7	16.86	21.0	111.7	14.96	21.2	104.8	13.96	21.4
	25	549	132.1	18.07	22.0	124.3	17.09	22.2	119.7	16.37	22.3	111.7	14.96	22.5	104.8	13.43	22.6
	30	183	131.8	16.86	21.0	124.3	15.30	21.5	119.7	14.51	21.8	111.7	12.95	22.3	104.8	12.31	22.8
	30	366	131.8	16.52	25.5	124.3	14.96	25.7	119.7	14.36	25.9	111.7	12.95	26.1	104.8	11.94	26.4
	30	549	131.8	16.02	27.0	124.3	14.96	27.1	119.7	14.05	27.2	111.7	12.43	27.4	104.8	11.94	27.6
	35	183	131.8	15.53	25.9	124.3	13.96	26.4	119.7	12.80	26.6	111.7	11.61	27.2	104.8	10.60	27.6
	35	366	131.8	14.81	30.4	124.3	13.28	30.7	119.7	12.65	30.8	111.7	11.31	31.1	104.8	10.30	31.3
	35	549	131.8	14.81	31.9	124.3	13.28	32.1	119.7	12.39	32.2	111.7	11.31	32.4	104.8	10.30	32.5
	40	183	131.8	14.51	30.8	124.3	12.95	31.3	119.7	11.48	31.5	111.7	10.30	32.1	104.8	9.63	32.5
	40	366	131.8	13.83	35.4	124.3	12.31	35.6	119.7	11.33	35.8	111.7	9.96	36.0	104.8	9.33	36.3
	40	549	131.8	13.34	36.9	124.3	12.31	37.1	119.7	11.02	37.2	111.7	9.96	37.3	104.8	9.33	37.5
	45	183	131.8	13.49	35.7	124.3	11.94	36.2	119.7	10.12	36.4	111.7	8.96	37.0	104.8	8.62	37.5
	45	366	131.8	12.80	40.3	124.3	11.31	40.6	119.7	9.96	40.7	111.7	8.62	41.0	104.8	8.32	41.2
	45	549	131.8	11.82	41.9	124.3	11.31	42.1	119.7	9.66	42.1	111.7	8.62	42.3	104.8	8.32	42.5
90	5	183	112.5	29.24	-1.5	108.7	27.61	-1.4	105.4	26.07	-1.2	96.8	23.95	-0.7	88.9	21.48	-0.3
	5	366	113.2	29.77	1.7	108.4	28.14	1.9	105.4	26.57	1.9	96.8	24.45	2.2	88.9	21.90	2.4
	5	549	113.9	30.04	2.8	109.1	28.41	2.9	105.4	26.88	3.0	96.8	24.68	3.1	88.9	22.17	3.3
	10	183	113.2	25.72	3.1	109.1	24.47	3.4	105.4	23.52	3.6	96.8	21.59	4.1	88.9	19.51	4.6
	10	366	112.8	25.80	6.6	108.7	24.58	6.7	105.4	23.60	6.8	96.8	21.51	7.1	88.9	19.54	7.3
	10	549	113.9	25.72	7.7	109.1	24.47	7.8	105.4	23.52	7.9	96.8	21.63	8.0	88.9	19.66	8.2
	15	183	113.6	22.20	7.8	109.5	21.36	8.1	105.4	20.97	8.4	98.7	19.24	8.8	93.8	17.54	9.0
	15	366	112.8	21.82	11.4	108.7	21.02	11.6	105.4	20.63	11.7	98.7	18.58	11.9	93.8	17.19	12.0
	15	549	113.9	21.36	12.6	109.1	20.57	12.7	105.4	20.09	12.8	98.7	18.58	12.9	93.8	17.19	13.0
	20	183	114.3	18.79	12.5	109.9	18.22	12.8	105.4	17.88	13.1	98.7	16.49	13.6	93.8	15.49	13.9
	20	366	113.9	18.79	16.3	109.1	17.99	16.4	107.5	17.88	16.5	98.7	15.84	16.8	93.8	14.79	16.9
	20	549	114.3	18.33	17.5	109.5	17.80	17.6	107.5	17.88	17.7	98.7	15.84	17.8	93.8	14.79	17.9
	25	183	116.6	16.40	17.2	111.3	15.53	17.5	107.5	15.40	17.8	98.7	13.75	18.3	93.8	12.75	18.6
	25	366	117.7	16.25	21.0	111.3	15.38	21.2	107.5	15.09	21.4	98.7	13.40	21.7	93.8	12.36	21.8
	25	549	118.4	15.61	22.3	111.3	14.85	22.5	107.5	15.09	22.6	98.7	13.40	22.8	93.8	12.36	22.9
	30	183	118.0	14.81	21.9	111.3	13.83	22.4	107.5	13.31	22.6	98.7	12.01	23.2	93.8	10.97	23.5
	30	366	118.0	14.51	25.9	111.3	13.49	26.2	107.5	13.00	26.3	98.7	11.70	26.6	93.8	10.97	26.8
	30	549	118.0	13.98	27.3	111.3	12.95	27.4	107.5	13.00	27.5	98.7	11.70	27.7	93.8	10.51	27.8
	35	183	118.0	13.49	26.8	111.3	12.50	27.3	107.5	11.93	27.5	98.7	10.66	28.1	93.8	9.97	28.4
	35	366	118.0	13.75	30.9	111.3	12.12	31.1	107.5	11.58	31.2	98.7	10.31	31.5	93.8	9.97	31.7
	35	549	118.0	12.61	32.2	111.3	12.36	32.4	107.5	11.03	32.5	98.7	10.31	32.7	93.8	9.97	32.8
	40	183	118.0	12.50	31.7	111.3	11.48	32.2	107.5	10.52	32.4	98.7	9.66	33.0	93.8	8.92	33.3
	40	366	118.0	11.78	35.8	111.3	11.14	36.1	107.5	10.16	36.2	98.7	9.27	36.5	93.8	8.61	36.7
	40	549	118.0	11.78	37.2	111.3	11.14	37.4	107.5	10.16	37.5	98.7	9.27	37.7	93.8	8.92	37.8
	45	183	118.0	11.48	36.7	111.3	10.45	37.1	107.5	9.10	37.3	98.7	8.61	37.9	93.8	7.88	38.3
	45	366	118.0	10.45	40.8	111.3	10.11	41.0	107.5	8.78	41.1	98.7	8.27	41.5	93.8	7.57	41.6
	45	549	118.0	12.01	42.2	111.3	10.64	42.4	107.5	9.26	42.4	98.7	8.27	42.6	93.8	7.57	42.7
80	5	183	107.0	24.07	-1.5	100.2	22.73	-1.1	96.6	21.53	-0.9	89.3	19.71	-0.5	82.0	17.68	0.0
	5	366	107.0	24.51	1.8	100.2	23.17	2.0	96.7	21.95	2.1	89.3	20.13	2.3	82.0	18.03	2.5
	5	549	107.0	24.73	2.9	100.2	23.39	3.0	96.6	22.20	3.1	89.3	20.32	3.2	82.0	18.25	3.3
	10	183	107.0	21.17	3.3	100.2	20.14	3.7	96.6	19.42	4.0	89.3	17.77	4.4	82.0	16.06	4.8
	10	366	107.0	21.23	6.6	100.2	20.24	6.9	96.7	19.53	7.0	89.3	17.71	7.2	82.0	16.09	7.4
	10	549	107.0	21.17	7.8	100.2	20.14	7.9	96.8	19.47	8.0	89.3	17.81	8.1	82.0	16.18	8.3
	15	183	107.0	18.27	8.0	100.2	17.59	8.5	97.3	17.39	8.7	89.8	15.83	9.2	84.6	14.44	9.5
	15	366	107.0	17.96	11.5	100.2	17.31	11.8	97.3	17.18	11.9	89.8	15.29	12.1	84.6	14.15	12.2
	15	549	107.0	17.59	12.7	100.2	16.93	12.8	97.3	16.75	12.9	89.8	15.29	13.1	84.6	14.15	13.2
	20	183	107.0	15.47	12.8	100.2	15.00	13.3	97.3	14.79	13.5	89.8	13.58	14.0	84.6	12.75	14.4
	20	366	107.0	15.47	16.4	100.2	14.81	16.7	97.3	15.01	16.8	89.8	13.04	17.0	84.6	12.18	17.2
	20	549	107.0	15.09	17.6	100.2	14.66	17.8	97.3	14.91	17.8	89.8	13.04	18.0	84.6	12.18	18.1
	25	183	107.6	13.50	17.6	100.7	12.78	18.1	97.3	12.70	18.4	89.8	11.32	18.9	84.6	10.49	19.2
	25	366	107.6	13.38	21.3	100.7	12.66	21.6	97.3	12.44	21.7	89.8	11.03	21.9	84.6	10.18	22.1
	25	549	107.6	12.85	22.5	100.7	12.22	22.7	97.3	12.35	22.8	89.8	11.03	22.9	84.6	10.18	23.1
	30	183	107.6	12.19	22.5	100.7	11.38	23.0	97.3	10.91	23.2	89.8	9.89	23.7	84.6	9.03	24.1
	30	366	107.6	11.94	26.3	100.7	11.10	26.5	97.3	10.69	26.6	89.8	9.63	26.9	84.6	9.03	27.0
	30	549	107.6	11.51	27.5	100.7	10.66	27.6	97.3	10.63	27.7	89.8	9.63	27.9	84.6	8.65	28.0
	35	183	107.6	11.10	27.4	100.7	10.29	27.9	97.3	9.74	28.1	89.8	8.78	28.7	84.6	8.20	29.0
	35	366	107.6	11.32	31.2	100.7	9.98	31.4	97.3	9.50	31.6	89.8	8.49	31.8	84.6	8.20	32.0
	35	549	107.6	10.38	32.5	100.7	10.18	32.6	97.3	9.11	32.7	89.8	8.49	32.9	84.6	8.20	33.0
	40	183	107.6	10.29	32.4	100.7	9.45	32.9	97.3	8.62	33.1	89.8	7.95	33.6	84.6	7.35	33.9
	40	366	107.6	9.70	36.2	100.7	9.17	36.4	97.3	8.38	36.5	89.8	7.63	36.8	84.6	7.09	37.0
	40	549	107.6	9.70	37.4	100.7	9.17	37.6	97.3	8.32	37.7	89.8	7.63	37.9	84.6	7.35	38.0
	45	183	107.6	9.70	37.3	100.7	9.17	37.8	97.3	8.15	38.0	89.8	7.63	38.6	84.6	7.35	38.9
	45	366	107.6	9.70	41.2	100.7	9.17	41.4	97.3	8.12	41.5	89.8	7.63	41.8	84.6	7.35	42.0
	45	549	107.6	9.70	42.4	100.7	9.17	42.6	97.3	8.06	42.7	89.8	7.63	42.9	84.6	7.35	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	183	92.8	20.22	-0.7	86.9	19.09	-0.3	84.4	18.03	-0.2	77.5	16.56	0.2	71.1	14.85	0.6
	5	366	92.8	20.59	2.2	86.9	19.46	2.4	84.4	18.37	2.4	77.5	16.91	2.6	71.1	15.14	2.8
	5	549	92.8	20.77	3.1	86.9	19.64	3.2	84.4	18.59	3.3	77.5	17.07	3.4	71.1	15.33	3.5
	10	183	92.8	17.78	4.1	86.9	16.92	4.5	84.4	16.26	4.7	77.5	14.93	5.1	71.1	13.49	5.5
	10	366	92.8	17.84	7.1	86.9	17.00	7.3	84.4	16.32	7.3	77.5	14.88	7.5	71.1	13.51	7.7
	10	549	92.8	17.78	8.0	86.9	16.92	8.2	84.4	16.26	8.2	77.5	14.96	8.4	71.1	13.59	8.5
	15	183	92.8	15.35	8.9	86.9	14.77	9.4	84.4	14.50	9.5	77.9	13.30	9.9	73.4	12.13	10.2
	15	366	92.8	15.09	12.0	86.9	14.54	12.2	84.4	14.26	12.3	77.9	12.85	12.5	73.4	11.88	12.6
	15	549	92.8	14.77	13.0	86.9	14.22	13.1	84.4	13.89	13.2	77.9	12.85	13.3	73.4	11.88	13.4
	20	183	92.8	12.99	13.7	86.9	12.60	14.2	84.4	12.37	14.4	77.9	11.40	14.8	73.4	10.71	15.1
	20	366	92.8	12.99	16.9	86.9	12.44	17.1	84.4	12.61	17.2	77.9	10.95	17.4	73.4	10.23	17.5
	20	549	92.8	12.68	17.9	86.9	12.31	18.1	84.4	12.61	18.1	77.9	10.95	18.3	73.4	10.23	18.4
	25	183	93.3	11.34	18.6	87.3	10.74	19.0	84.4	10.65	19.2	77.9	9.51	19.6	73.4	8.81	19.9
	25	366	93.3	11.24	21.8	87.3	10.63	22.0	84.4	10.43	22.1	77.9	9.27	22.3	73.4	8.55	22.5
	25	549	93.3	10.79	22.8	87.3	10.27	23.0	84.4	10.43	23.1	77.9	9.27	23.2	73.4	8.55	23.3
	30	183	93.3	10.24	23.5	87.3	9.56	23.9	84.4	9.21	24.1	77.9	8.31	24.6	73.4	7.58	24.8
	30	366	93.3	10.03	26.7	87.3	9.32	26.9	84.4	8.99	27.0	77.9	8.09	27.3	73.4	7.58	27.4
	30	549	93.3	9.66	27.8	87.3	8.96	28.0	84.4	8.99	28.0	77.9	8.09	28.2	73.4	7.26	28.3
	35	183	93.3	9.32	28.4	87.3	8.64	28.8	84.4	8.25	29.0	77.9	7.37	29.5	73.4	6.89	29.8
	35	366	93.3	9.51	31.7	87.3	8.38	31.9	84.4	8.01	32.0	77.9	7.13	32.2	73.4	6.89	32.4
	35	549	93.3	8.72	32.8	87.3	8.55	32.9	84.4	7.63	33.0	77.9	7.13	33.2	73.4	6.89	33.3
	40	183	93.3	8.64	33.4	87.3	7.94	33.8	84.4	7.27	34.0	77.9	6.68	34.4	73.4	6.17	34.7
	40	366	93.3	8.15	36.7	87.3	7.70	36.9	84.4	7.03	37.0	77.9	6.41	37.2	73.4	5.96	37.4
	40	549	93.3	8.15	37.8	87.3	7.70	37.9	84.4	7.03	38.0	77.9	6.41	38.1	73.4	6.17	38.2
	45	183	93.3	8.15	38.3	87.3	7.70	38.8	84.4	7.03	38.9	77.9	6.41	39.4	73.4	6.17	39.7
	45	366	93.3	8.15	41.7	87.3	7.70	41.9	84.4	7.03	42.0	77.9	6.41	42.2	73.4	6.17	42.4
	45	549	93.3	8.15	42.8	87.3	7.70	42.9	84.4	7.03	43.0	77.9	6.41	43.1	73.4	6.17	43.2
60	5	183	79.4	16.18	0.0	74.4	15.28	0.4	72.2	14.42	0.5	66.3	13.25	0.8	60.9	11.88	1.2
	5	366	79.4	16.47	2.5	74.4	15.57	2.7	72.2	14.70	2.7	66.3	13.53	2.9	60.9	12.12	3.1
	5	549	79.4	16.62	3.4	74.4	15.72	3.5	72.2	14.87	3.5	66.3	13.65	3.6	60.9	12.27	3.7
	10	183	79.4	14.23	4.9	74.4	13.54	5.2	72.2	13.01	5.4	66.3	11.94	5.7	60.9	10.79	6.1
	10	366	79.4	14.27	7.4	74.4	13.60	7.6	72.2	13.06	7.7	66.3	11.90	7.9	60.9	10.81	8.0
	10	549	79.4	14.23	8.3	74.4	13.54	8.4	72.2	13.01	8.5	66.3	11.97	8.6	60.9	10.88	8.7
	15	183	79.4	12.28	9.7	74.4	11.82	10.1	72.2	11.60	10.3	66.6	10.64	10.6	62.8	9.70	10.8
	15	366	79.4	12.07	12.4	74.4	11.63	12.5	72.2	11.41	12.6	66.6	10.28	12.8	62.8	9.51	12.9
	15	549	79.4	11.82	13.2	74.4	11.38	13.4	72.2	11.11	13.4	66.6	10.28	13.5	62.8	9.51	13.6
	20	183	79.4	10.39	14.6	74.4	10.08	15.0	72.2	9.89	15.1	66.6	9.12	15.5	62.8	8.57	15.8
	20	366	79.4	10.39	17.3	74.4	9.95	17.5	72.2	10.09	17.6	66.6	8.76	17.7	62.8	8.18	17.9
	20	549	79.4	10.14	18.2	74.4	9.85	18.3	72.2	10.09	18.4	66.6	8.76	18.5	62.8	8.18	18.6
	25	183	79.9	9.07	19.5	74.7	8.59	19.8	72.2	8.52	20.0	66.6	7.61	20.4	62.8	7.05	20.6
	25	366	79.9	8.99	22.2	74.7	8.51	22.4	72.2	8.35	22.5	66.6	7.41	22.7	62.8	6.84	22.8
	25	549	79.9	8.63	23.1	74.7	8.21	23.3	72.2	8.35	23.3	66.6	7.41	23.5	62.8	6.84	23.5
	30	183	79.9	8.19	24.4	74.7	7.65	24.7	72.2	7.36	24.9	66.6	6.65	25.3	62.8	6.07	25.6
	30	366	79.9	8.03	27.2	74.7	7.46	27.4	72.2	7.19	27.5	66.6	6.47	27.6	62.8	6.07	27.8
	30	549	79.9	7.73	28.1	74.7	7.17	28.2	72.2	7.19	28.3	66.6	6.47	28.4	62.8	5.81	28.5
	35	183	79.9	7.46	29.3	74.7	6.91	29.7	72.2	6.60	29.9	66.6	5.90	30.2	62.8	5.51	30.5
	35	366	79.9	7.61	32.2	74.7	6.71	32.3	72.2	6.41	32.4	66.6	5.71	32.6	62.8	5.51	32.8
	35	549	79.9	6.98	33.1	74.7	6.84	33.2	72.2	6.10	33.3	66.6	5.71	33.4	62.8	5.51	33.5
	40	183	79.9	6.91	34.3	74.7	6.35	34.6	72.2	5.82	34.8	66.6	5.34	35.2	62.8	4.94	35.5
	40	366	79.9	6.52	37.1	74.7	6.16	37.3	72.2	5.62	37.4	66.6	5.13	37.6	62.8	4.77	37.7
	40	549	79.9	6.52	38.1	74.7	6.16	38.2	72.2	5.62	38.3	66.6	5.13	38.4	62.8	4.94	38.5
	45	183	79.9	6.52	39.3	74.7	6.16	39.6	72.2	5.62	39.8	66.6	5.13	40.2	62.8	4.94	40.5
	45	366	79.9	6.52	42.1	74.7	6.16	42.3	72.2	5.62	42.4	66.6	5.13	42.6	62.8	4.94	42.7
	45	549	79.9	6.52	43.1	74.7	6.16	43.2	72.2	5.62	43.3	66.6	5.13	43.4	62.8	4.94	43.5
50	5	183	66.0	12.92	0.8	61.5	12.18	1.1	59.6	11.55	1.2	55.2	10.61	1.5	51.0	9.55	1.8
	5	366	66.0	13.15	2.9	61.7	12.41	3.1	59.7	11.78	3.1	55.2	10.83	3.3	51.0	9.74	3.4
	5	549	66.0	13.27	3.6	61.7	12.53	3.7	59.6	11.91	3.8	55.2	10.93	3.8	51.0	9.85	3.9
	10	183	66.0	11.36	5.7	61.6	10.82	6.0	59.6	10.42	6.1	55.2	9.56	6.4	51.0	8.67	6.7
	10	366	66.0	11.39	7.9	61.7	10.89	8.0	59.7	10.48	8.1	55.2	9.55	8.2	51.0	8.69	8.3
	10	549	66.0	11.36	8.6	61.8	10.85	8.7	59.7	10.44	8.7	55.2	9.58	8.8	51.0	8.71	8.9
	15	183	66.0	9.80	10.6	61.7	9.48	10.9	60.0	9.33	11.0	55.6	8.52	11.3	52.3	7.79	11.5
	15	366	66.0	9.64	12.8	61.7	9.37	13.0	60.0	9.22	13.0	55.6	8.27	13.1	52.3	7.64	13.3
	15	549	66.0	9.44	13.5	61.8	9.19	13.6	60.0	8.99	13.7	55.6	8.22	13.8	52.3	7.60	13.8
	20	183	66.0	8.30	15.5	61.7	8.07	15.8	60.0	7.94	15.9	55.6	7.28	16.2	52.3	6.85	16.4
	20	366	66.0	8.30	17.7	61.8	8.01	17.9	60.0	8.05	18.0	55.6	7.07	18.1	52.3	6.55	18.2
	20	549	66.0	8.10	18.5	62.0	7.91	18.6	60.0	8.00	18.6	55.6	6.98	18.7	52.3	6.51	18.8
	25	183	66.4	7.24	20.4	62.2	6.90	20.7	60.0	6.81	20.8	55.6	6.08	21.1	52.3	5.61	21.3
	25	366	66.4	7.18	22.7	62.2	6.81	22.8	60.0	6.68	22.9	55.6	5.93	23.1	52.3	5.48	23.2
	25	549	66.4	6.89	23.4	62.2	6.62	23.5	60.0	6.63	23.6	55.6	5.93	23.7	52.3	5.43	23.8
	30	183	66.4	6.54	25.3	62.2	6.10	25.6	60.0	5.85	25.8	55.6	5.27	26.1	52.3	4.86	26.3
	30	366	66.4	6.41	27.7	62.2	5.96	27.8	60.0	5.73	27.9	55.6	5.16	28.0	52.3	4.82	28.1
	30	549	66.4	6.17	28.4	62.2	5.78	28.5	60.0	5.70	28.6	55.6	5.16	28.7	52.3	4.67	28.8
	35	183	66.4	5.96	30.3	62.2	5.53	30.6	60.0	5.23	30.7	55.6	4.82	31.0	52.3	4.36	31.2
	35	366	66.4	6.07	32.6	62.2	5.34	32.8	60.0	5.11	32.8	55.6	4.70	33.0	52.3	4.36	33.1
	35	549	66.4	5.57	33.4	62.2	5.42	33.5	60.0	4.93	33.6	55.6	4.70	33.7	52.3	4.36	33.7
	40	183	66.4	5.52	35.2	62.2	5.09	35.5	60.0	4.76	35.7	55.6	4.48	36.0	52.3	4.01	36.2
	40	366	66.4	5.20	37.6	62.2	4.91	37.8	60.0	4.64	37.8	55.6	4.35	38.0	52.3	3.91	38.1
	40	549	66.4	5.20	38.4	62.2	4.91	38.5	60.0	4.64	38.6	55.6	4.35	38.7	52.3	4.01	38.7
	45	183	66.4	5.20	40.2	62.2	4.87	40.5	60.0	4.51	40.7	55.6	4.08	41.0	52.3	4.01	41.2
	45	366	66.4	5.20	42.6	62.2	4.87	42.8	60.0	4.51	42.8	55.6	4.08	43.0	52.3	4.01	43.1
	45	549	66.4	5.20	43.4	62.2	4.87	43.5	60.0	4.51	43.6	55.6	4.08	43.7	52.3	4.01	43.7

12. Capacity Table

1-16. AM400FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	190	112.8	8.23	19.1	124.0	9.79	20.1	133.2	10.72	20.9	143.0	11.39	21.6	146.8	11.52	21.9
	10	380	112.8	7.63	14.5	124.0	9.05	15.0	133.2	10.23	15.4	143.0	10.75	15.8	146.8	10.75	15.9
	10	570	112.8	7.50	13.0	124.0	9.01	13.3	133.2	9.68	13.6	143.0	10.55	13.9	146.8	10.79	14.0
	15	190	110.8	10.61	24.2	122.0	12.57	25.1	131.2	13.96	26.0	140.6	14.64	26.7	144.4	14.96	27.0
	15	380	110.8	9.90	19.6	122.0	11.65	20.0	131.2	13.00	20.4	140.6	13.68	20.8	144.4	13.99	21.0
	15	570	110.8	9.61	18.0	122.0	11.36	18.4	131.2	12.58	18.6	140.6	13.19	18.9	144.4	13.60	19.0
	20	190	109.2	12.65	29.2	120.4	14.80	30.2	129.6	16.53	31.0	138.6	17.33	31.8	142.4	17.70	32.1
	20	380	109.2	12.41	24.6	120.4	14.58	25.1	129.6	16.30	25.5	138.6	17.13	25.9	142.4	17.45	26.0
	20	570	109.2	11.98	23.0	120.4	14.14	23.4	129.6	15.81	23.7	138.6	16.48	23.9	142.4	16.99	24.0
	25	190	109.2	15.88	34.4	120.4	18.70	35.5	129.6	20.83	36.3	138.6	21.89	37.1	142.4	22.25	37.4
	25	380	109.2	14.84	29.7	120.4	17.45	30.2	129.6	19.41	30.6	138.6	20.45	31.0	142.4	20.78	31.2
	25	570	109.2	14.28	28.1	120.4	16.90	28.5	129.6	18.80	28.7	138.6	19.72	29.0	142.4	20.28	29.1
	30	190	109.2	18.64	39.6	120.4	21.90	40.7	129.6	24.45	41.6	138.6	25.65	42.4	142.4	26.08	42.7
	30	380	109.2	18.32	34.8	120.4	21.56	35.4	129.6	23.99	35.8	138.6	25.26	36.2	142.4	25.77	36.3
	30	570	109.2	17.73	33.2	120.4	20.88	33.6	129.6	23.29	33.8	138.6	24.43	34.1	142.4	25.09	34.2
	35	190	103.2	19.39	44.2	114.0	22.84	45.3	122.5	25.47	46.2	131.5	26.68	46.9	134.6	27.15	47.2
	35	380	103.2	19.02	39.6	114.0	22.46	40.1	122.5	25.02	40.6	131.5	26.30	41.0	134.6	26.85	41.1
	35	570	103.2	18.52	38.1	114.0	21.77	38.4	122.5	24.21	38.7	131.5	25.45	38.9	134.6	26.14	39.0
	40	190	86.3	20.19	48.0	95.1	23.76	49.0	102.4	26.51	49.7	109.6	27.80	50.4	112.7	28.36	50.6
	40	380	87.1	19.85	44.0	95.9	23.41	44.5	103.3	26.02	44.9	110.6	27.38	45.2	113.7	27.98	45.3
	40	570	88.3	19.25	42.7	97.3	22.60	43.0	104.7	25.26	43.3	112.1	26.50	43.5	115.3	27.30	43.6
	45	190	72.0	20.85	52.0	79.0	24.56	52.8	84.9	27.39	53.5	91.1	28.68	54.0	93.5	29.28	54.3
	45	380	72.6	20.50	48.5	79.7	24.14	48.9	85.7	26.88	49.2	91.8	28.35	49.5	94.3	28.90	49.6
	45	570	73.7	19.84	47.4	80.9	23.32	47.6	86.9	26.09	47.8	93.1	27.36	48.0	95.7	28.22	48.1
120	10	190	106.8	7.81	18.6	117.5	9.28	19.6	126.4	10.18	20.3	135.4	10.76	21.0	138.8	10.89	21.3
	10	380	106.8	7.30	14.3	117.5	8.67	14.8	126.4	9.68	15.1	135.4	10.15	15.5	138.8	10.17	15.6
	10	570	106.8	6.96	12.9	117.5	8.54	13.2	126.4	9.14	13.4	135.4	9.99	13.7	138.8	10.31	13.7
	15	190	105.6	10.16	23.7	115.9	11.98	24.6	124.8	13.38	25.4	133.8	14.02	26.1	137.2	14.26	26.4
	15	380	105.6	9.49	19.3	115.9	11.15	19.8	124.8	12.47	20.2	133.8	13.06	20.5	137.2	13.33	20.7
	15	570	105.6	9.16	17.9	115.9	10.86	18.2	124.8	12.00	18.4	133.8	12.62	18.7	137.2	13.02	18.8
	20	190	104.4	12.17	28.8	114.7	14.23	29.7	123.6	15.88	30.5	132.6	16.68	31.3	136.0	17.02	31.5
	20	380	104.4	11.90	24.4	114.7	13.98	24.9	123.6	15.66	25.3	132.6	16.45	25.6	136.0	16.73	25.8
	20	570	104.4	11.56	22.9	114.7	13.63	23.2	123.6	15.17	23.5	132.6	15.85	23.7	136.0	16.31	23.8
	25	190	104.4	15.26	34.0	114.7	17.95	35.0	123.6	19.92	35.8	132.6	20.99	36.6	136.0	21.34	36.9
	25	380	104.4	14.19	29.5	114.7	16.75	30.0	123.6	18.63	30.4	132.6	19.55	30.7	136.0	19.92	30.9
	25	570	104.4	13.67	28.0	114.7	16.15	28.3	123.6	18.02	28.6	132.6	18.91	28.8	136.0	19.37	28.9
	30	190	104.4	17.99	39.2	114.7	21.17	40.3	123.6	23.60	41.1	132.6	24.76	41.9	136.0	25.19	42.2
	30	380	104.4	17.69	34.6	114.7	20.79	35.1	123.6	23.19	35.5	132.6	24.38	35.9	136.0	24.84	36.1
	30	570	104.4	17.10	33.1	114.7	20.15	33.4	123.6	22.48	33.7	132.6	23.63	33.9	136.0	24.19	34.0
	35	190	100.3	18.98	44.0	110.6	22.38	45.0	119.2	24.93	45.9	127.3	26.10	46.6	130.8	26.61	46.9
	35	380	100.3	18.63	39.5	110.6	21.98	40.0	119.2	24.50	40.4	127.3	25.73	40.8	130.8	26.24	40.9
	35	570	100.3	18.08	38.0	110.6	21.33	38.3	119.2	23.68	38.6	127.3	24.89	38.8	130.8	25.57	38.9
	40	190	85.5	20.15	48.0	94.3	23.72	48.9	101.6	26.46	49.7	108.4	27.76	50.3	111.6	28.32	50.6
	40	380	86.3	19.81	44.0	95.1	23.36	44.5	102.5	25.98	44.8	109.4	27.29	45.2	112.5	27.89	45.3
	40	570	87.5	19.20	42.7	96.4	22.65	43.0	103.9	25.22	43.2	110.9	26.50	43.5	114.1	27.17	43.6
	45	190	72.8	21.17	52.1	80.6	24.96	53.0	86.8	27.83	53.6	92.6	29.16	54.2	95.0	29.77	54.4
	45	380	73.4	20.84	48.6	81.2	24.53	49.0	87.6	27.34	49.3	93.3	28.73	49.6	95.8	29.32	49.7
	45	570	74.4	20.14	47.4	82.4	23.79	47.7	88.8	26.51	47.9	94.7	27.86	48.1	97.2	28.47	48.2
110	10	190	100.8	7.31	18.2	110.7	8.76	19.0	119.2	9.60	19.7	127.7	10.17	20.4	130.8	10.27	20.6
	10	380	100.8	6.84	14.1	110.7	8.11	14.5	119.2	9.13	14.8	127.7	9.64	15.2	130.8	9.54	15.3
	10	570	100.8	6.62	12.7	110.7	7.97	13.0	119.2	8.73	13.2	127.7	9.43	13.4	130.8	9.66	13.5
	15	190	100.0	9.67	23.3	109.9	11.44	24.2	118.4	12.76	24.9	126.9	13.36	25.6	130.4	13.64	25.9
	15	380	100.0	9.04	19.1	109.9	10.61	19.5	118.4	11.89	19.9	126.9	12.49	20.3	130.4	12.71	20.4
	15	570	100.0	8.75	17.7	109.9	10.32	18.0	118.4	11.51	18.3	126.9	12.05	18.5	130.4	12.35	18.6
	20	190	99.6	11.68	28.4	109.4	13.66	29.3	118.0	15.28	30.1	126.1	16.00	30.7	129.6	16.33	31.0
	20	380	99.6	11.43	24.2	109.4	13.43	24.6	118.0	15.02	25.0	126.1	15.77	25.4	129.6	16.05	25.5
	20	570	99.6	11.09	22.8	109.4	13.07	23.1	118.0	14.58	23.3	126.1	15.26	23.6	129.6	15.58	23.7
	25	190	99.6	14.60	33.6	109.4	17.16	34.6	118.0	19.10	35.3	126.1	20.04	36.0	129.6	20.39	36.3
	25	380	99.6	13.61	29.3	109.4	16.00	29.7	118.0	17.81	30.1	126.1	18.69	30.5	129.6	19.02	30.6
	25	570	99.6	13.09	27.8	109.4	15.45	28.1	118.0	17.24	28.4	126.1	18.09	28.6	129.6	18.46	28.7
	30	190	99.6	17.35	38.8	109.4	20.40	39.8	118.0	22.76	40.6	126.1	23.87	41.3	129.6	24.30	41.6
	30	380	99.6	17.05	34.4	109.4	20.06	34.9	118.0	22.34	35.3	126.1	23.49	35.6	129.6	23.91	35.8
	30	570	99.6	16.51	32.9	109.4	19.47	33.2	118.0	21.68	33.5	126.1	22.75	33.7	129.6	23.25	33.8
	35	190	97.3	18.57	43.7	107.6	21.88	44.8	115.4	24.39	45.5	123.9	25.52	46.3	127.0	26.03	46.5
	35	380	97.3	18.23	39.4	107.6	21.49	39.9	115.4	23.97	40.3	123.9	25.12	40.6	127.0	25.63	40.8
	35	570	97.3	17.69	37.9	107.6	20.85	38.2	115.4	23.16	38.5	123.9	24.36	38.7	127.0	24.91	38.8
	40	190	84.8	20.15	47.9	93.5	23.72	48.8	100.4	26.42	49.6	107.7	27.72	50.2	110.8	28.28	50.5
	40	380	85.5	19.77	44.0	94.3	23.32	44.4	101.3	25.98	44.8	108.6	27.25	45.1	111.7	27.80	45.3
	40	570	86.7	19.16	42.7	95.6	22.60	43.0	102.7	25.18	43.2	110.1	26.46	43.4	113.3	27.04	43.5
	45	190	74.3	21.57	52.2	81.7	25.37	53.1	87.9	28.27	53.8	94.4	29.64	54.4	96.9	30.25	54.6
	45	380	74.9	21.14	48.6	82.4	24.91	49.0	88.7	27.76	49.4	95.2	29.23	49.7	97.7	29.75	49.8
	45	570	76.0	20.43	47.4	83.6	24.17	47.7	90.0	26.94	47.9	96.6	28.32	48.1	99.1	28.86	48.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	190	94.4	6.93	17.6	104.2	8.17	18.5	112.0	9.10	19.1	120.1	9.54	19.8	123.2	9.72	20.0
	10	380	94.4	6.46	13.8	104.2	7.65	14.2	112.0	8.66	14.6	120.1	9.05	14.9	123.2	9.05	15.0
	10	570	94.4	6.25	12.5	104.2	7.50	12.8	112.0	8.19	13.0	120.1	8.87	13.2	123.2	9.00	13.3
	15	190	94.4	9.26	22.8	104.2	10.90	23.7	112.0	12.14	24.4	120.1	12.74	25.0	123.2	12.98	25.3
	15	380	94.4	8.63	18.9	104.2	10.16	19.3	112.0	11.32	19.7	120.1	11.87	20.0	123.2	12.09	20.1
	15	570	94.4	8.34	17.6	104.2	9.82	17.9	112.0	10.94	18.1	120.1	11.48	18.3	123.2	11.69	18.4
	20	190	94.4	11.16	28.0	104.2	13.14	28.9	112.0	14.63	29.6	120.1	15.35	30.2	123.2	15.64	30.5
	20	380	94.4	10.97	24.0	104.2	12.91	24.4	112.0	14.39	24.8	120.1	15.09	25.1	123.2	15.38	25.2
	20	570	94.4	10.63	22.6	104.2	12.51	22.9	112.0	13.94	23.2	120.1	14.63	23.4	123.2	14.90	23.5
	25	190	94.4	13.90	33.2	104.2	16.37	34.1	112.0	18.23	34.8	120.1	19.13	35.5	123.2	19.49	35.8
	25	380	94.4	12.95	29.0	104.2	15.25	29.5	112.0	16.99	29.9	120.1	17.83	30.2	123.2	18.16	30.3
	25	570	94.4	12.52	27.7	104.2	14.74	28.0	112.0	16.42	28.2	120.1	17.23	28.5	123.2	17.55	28.5
	30	190	94.4	16.70	38.4	104.2	19.67	39.3	112.0	21.91	40.1	120.1	22.99	40.8	123.2	23.42	41.1
	30	380	94.4	16.42	34.2	104.2	19.33	34.7	112.0	21.54	35.0	120.1	22.60	35.4	123.2	23.02	35.5
	30	570	94.4	15.91	32.8	104.2	18.74	33.1	112.0	20.88	33.3	120.1	21.90	33.6	123.2	22.31	33.7
	35	190	94.4	18.15	43.5	104.2	21.37	44.5	112.0	23.81	45.2	120.1	24.98	45.9	123.2	25.45	46.2
	35	380	94.4	17.84	39.2	104.2	21.01	39.7	112.0	23.41	40.1	120.1	24.56	40.5	123.2	25.02	40.6
	35	570	94.4	17.29	37.8	104.2	20.36	38.1	112.0	22.69	38.4	120.1	23.80	38.6	123.2	24.25	38.7
	40	190	84.0	20.11	47.9	92.7	23.68	48.8	99.6	26.38	49.5	106.9	27.68	50.1	109.6	28.20	50.4
	40	380	84.7	19.77	43.9	93.5	23.28	44.4	100.5	25.93	44.8	107.8	27.21	45.1	110.5	27.72	45.2
	40	570	85.9	19.16	42.6	94.8	22.56	43.0	101.9	25.13	43.2	109.3	26.37	43.4	112.1	26.86	43.5
	45	190	75.4	21.89	52.3	83.2	25.77	53.2	89.5	28.72	53.9	96.0	30.13	54.5	98.4	30.69	54.7
	45	380	76.0	21.52	48.7	83.9	25.34	49.1	90.2	28.23	49.5	96.8	29.61	49.8	99.2	30.17	49.9
	45	570	77.1	20.85	47.5	85.1	24.56	47.8	91.5	27.36	48.0	98.2	28.70	48.2	100.7	29.24	48.3
90	10	190	85.1	6.19	16.9	94.0	7.29	17.6	101.0	8.13	18.2	108.3	8.53	18.8	111.1	8.68	19.0
	10	380	85.1	6.09	13.4	94.0	7.17	13.8	101.0	7.99	14.1	108.3	8.38	14.4	111.1	8.54	14.5
	10	570	85.1	5.90	12.3	94.0	6.95	12.5	101.0	7.74	12.7	108.3	8.12	12.9	111.1	8.27	13.0
	15	190	85.1	8.27	22.0	94.0	9.74	22.8	101.0	10.85	23.4	108.3	11.38	24.0	111.1	11.59	24.3
	15	380	85.1	8.13	18.5	94.0	9.57	18.9	101.0	10.66	19.2	108.3	11.19	19.5	111.1	11.40	19.6
	15	570	85.1	7.88	17.3	94.0	9.27	17.6	101.0	10.33	17.8	108.3	10.84	18.0	111.1	11.04	18.1
	20	190	85.1	9.96	27.2	94.0	11.73	28.0	101.0	13.07	28.6	108.3	13.71	29.2	111.1	13.97	29.4
	20	380	85.1	9.80	23.6	94.0	11.53	24.0	101.0	12.85	24.3	108.3	13.48	24.6	111.1	13.73	24.7
	20	570	85.1	9.49	22.4	94.0	11.18	22.6	101.0	12.45	22.9	108.3	13.07	23.1	111.1	13.31	23.1
	25	190	85.1	12.42	32.4	94.0	14.62	33.2	101.0	16.29	33.8	108.3	17.09	34.5	111.1	17.41	34.7
	25	380	85.1	12.20	28.7	94.0	14.37	29.1	101.0	16.01	29.4	108.3	16.80	29.7	111.1	17.11	29.8
	25	570	85.1	11.83	27.4	94.0	13.93	27.7	101.0	15.52	27.9	108.3	16.28	28.1	111.1	16.58	28.2
	30	190	85.1	14.92	37.5	94.0	17.57	38.4	101.0	19.57	39.1	108.3	20.53	39.7	111.1	20.92	40.0
	30	380	85.1	14.67	33.8	94.0	17.27	34.2	101.0	19.24	34.5	108.3	20.18	34.8	111.1	20.56	35.0
	30	570	85.1	14.21	32.5	94.0	16.74	32.8	101.0	18.65	33.0	108.3	19.56	33.2	111.1	19.93	33.3
	35	190	85.1	16.21	42.6	94.0	19.09	43.5	101.0	21.27	44.2	108.3	22.31	44.9	111.1	22.73	45.1
	35	380	85.1	15.94	38.8	94.0	18.77	39.3	101.0	20.91	39.6	108.3	21.93	39.9	111.1	22.34	40.0
	35	570	85.1	15.45	37.5	94.0	18.19	37.8	101.0	20.26	38.0	108.3	21.26	38.3	111.1	21.66	38.3
	40	190	75.7	17.96	47.1	83.6	21.15	47.9	89.8	23.57	48.6	96.4	24.72	49.1	98.8	25.19	49.4
	40	380	76.4	17.66	43.5	84.3	20.79	44.0	90.6	23.16	44.3	97.2	24.30	44.6	99.7	24.76	44.7
	40	570	77.5	17.11	42.4	85.5	20.15	42.7	91.9	22.45	42.9	98.6	23.55	43.1	101.1	23.99	43.1
	45	190	68.0	19.55	51.6	75.0	23.02	52.4	80.7	25.65	53.0	86.5	26.91	53.6	88.7	27.41	53.8
	45	380	68.6	19.22	48.3	75.7	22.63	48.7	81.3	25.21	49.0	87.3	26.45	49.3	89.5	26.95	49.4
	45	570	69.5	18.63	47.2	76.8	21.93	47.5	82.5	24.44	47.7	88.5	25.64	47.9	90.8	26.12	47.9
80	10	190	75.7	5.13	16.1	83.5	6.04	16.8	89.8	6.72	17.3	96.3	7.05	17.8	98.8	7.19	18.0
	10	380	75.7	5.04	13.0	83.5	5.93	13.4	89.8	6.61	13.6	96.3	6.93	13.9	98.8	7.06	14.0
	10	570	75.7	4.88	12.0	83.5	5.75	12.2	89.8	6.41	12.4	96.3	6.72	12.6	98.8	6.85	12.7
	15	190	75.7	6.84	21.2	83.5	8.06	21.9	89.8	8.97	22.5	96.3	9.42	23.0	98.8	9.59	23.2
	15	380	75.7	6.72	18.1	83.5	7.92	18.4	89.8	8.82	18.7	96.3	9.26	19.0	98.8	9.43	19.1
	15	570	75.7	6.52	17.1	83.5	7.67	17.3	89.8	8.55	17.5	96.3	8.97	17.6	98.8	9.14	17.7
	20	190	75.7	8.25	26.3	83.5	9.71	27.0	89.8	10.82	27.6	96.3	11.35	28.1	98.8	11.56	28.3
	20	380	75.7	8.10	23.2	83.5	9.54	23.5	89.8	10.63	23.8	96.3	11.15	24.1	98.8	11.36	24.2
	20	570	75.7	7.86	22.1	83.5	9.25	22.3	89.8	10.31	22.5	96.3	10.81	22.7	98.8	11.01	22.8
	25	190	75.7	10.27	31.5	83.5	12.10	32.2	89.8	13.48	32.8	96.3	14.14	33.3	98.8	14.40	33.5
	25	380	75.7	10.10	28.2	83.5	11.89	28.6	89.8	13.25	28.9	96.3	13.90	29.2	98.8	14.16	29.3
	25	570	75.7	9.79	27.1	83.5	11.52	27.4	89.8	12.84	27.6	96.3	13.47	27.8	98.8	13.72	27.8
	30	190	75.7	12.35	36.6	83.5	14.54	37.4	89.8	16.20	38.0	96.3	16.99	38.5	98.8	17.31	38.8
	30	380	75.7	12.14	33.3	83.5	14.29	33.7	89.8	15.92	34.0	96.3	16.70	34.3	98.8	17.01	34.4
	30	570	75.7	11.76	32.2	83.5	13.85	32.4	89.8	15.43	32.6	96.3	16.19	32.8	98.8	16.49	32.9
	35	190	75.7	13.42	41.7	83.5	15.80	42.5	89.8	17.60	43.1	96.3	18.46	43.7	98.8	18.81	43.9
	35	380	75.7	13.19	38.4	83.5	15.53	38.7	89.8	17.30	39.0	96.3	18.15	39.3	98.8	18.49	39.4
	35	570	75.7	12.78	37.2	83.5	15.05	37.5	89.8	16.77	37.7	96.3	17.59	37.9	98.8	17.92	37.9
	40	190	67.3	14.86	46.2	74.3	17.50	46.9	79.9	19.50	47.5	85.7	20.46	48.0	87.9	20.84	48.2
	40	380	67.9	14.61	43.1	74.9	17.20	43.5	80.5	19.17	43.8	86.4	20.11	44.0	88.6	20.49	44.1
	40	570	68.9	14.16	42.1	76.0	16.67	42.3	81.7	18.58	42.5	87.6	19.49	42.7	89.9	19.85	42.8
	45	190	60.4	16.18	50.8	66.7	19.05	51.5	71.7	21.22	52.0	76.9	22.27	52.5	78.9	22.68	52.7
	45	380	61.0	15.90	47.9	67.3	18.73	48.2	72.3	20.86	48.5	77.6	21.89	48.8	79.6	22.30	48.8
	45	570	61.8	15.41	46.9	68.3	18.15	47.2	73.4	20.22	47.4	78.7	21.21	47.5	80.7	21.61	47.6

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	190	66.2	4.28	15.3	73.0	5.04	15.9	78.5	5.62	16.3	84.2	5.89	16.8	86.4	6.00	17.0
	10	380	66.2	4.21	12.7	73.0	4.96	12.9	78.5	5.52	13.2	84.2	5.79	13.4	86.4	5.90	13.5
	10	570	66.2	4.08	11.8	73.0	4.80	12.0	78.5	5.35	12.1	84.2	5.61	12.3	86.4	5.72	12.3
	15	190	66.2	5.72	20.4	73.0	6.73	21.0	78.5	7.50	21.5	84.2	7.87	21.9	86.4	8.01	22.1
	15	380	66.2	5.62	17.7	73.0	6.62	18.0	78.5	7.37	18.2	84.2	7.73	18.5	86.4	7.88	18.6
	15	570	66.2	5.45	16.8	73.0	6.41	17.0	78.5	7.14	17.2	84.2	7.49	17.3	86.4	7.63	17.4
	20	190	66.2	6.89	25.5	73.0	8.11	26.1	78.5	9.04	26.6	84.2	9.48	27.1	86.4	9.66	27.2
	20	380	66.2	6.77	22.8	73.0	7.97	23.1	78.5	8.88	23.3	84.2	9.32	23.5	86.4	9.49	23.6
	20	570	66.2	6.56	21.8	73.0	7.73	22.0	78.5	8.61	22.2	84.2	9.03	22.3	86.4	9.20	22.4
	25	190	66.2	8.58	30.6	73.0	10.11	31.3	78.5	11.26	31.8	84.2	11.81	32.2	86.4	12.03	32.4
	25	380	66.2	8.44	27.8	73.0	9.93	28.1	78.5	11.07	28.4	84.2	11.61	28.6	86.4	11.83	28.7
	25	570	66.2	8.18	26.9	73.0	9.63	27.1	78.5	10.73	27.2	84.2	11.25	27.4	86.4	11.46	27.5
	30	190	66.2	10.31	35.8	73.0	12.14	36.4	78.5	13.53	36.9	84.2	14.19	37.4	86.4	14.46	37.6
	30	380	66.2	10.14	32.9	73.0	11.94	33.2	78.5	13.30	33.5	84.2	13.95	33.7	86.4	14.21	33.8
	30	570	66.2	9.83	31.9	73.0	11.57	32.1	78.5	12.89	32.3	84.2	13.52	32.5	86.4	13.78	32.5
	35	190	66.2	11.21	40.8	73.0	13.20	41.5	78.5	14.70	42.0	84.2	15.42	42.5	86.4	15.71	42.7
	35	380	66.2	11.02	37.9	73.0	12.97	38.2	78.5	14.45	38.5	84.2	15.16	38.7	86.4	15.45	38.8
	35	570	66.2	10.68	36.9	73.0	12.57	37.2	78.5	14.01	37.3	84.2	14.70	37.5	86.4	14.97	37.5
	40	190	58.9	12.42	45.4	65.0	14.62	46.0	69.8	16.29	46.5	74.9	17.09	46.9	76.8	17.41	47.1
	40	380	59.3	12.21	42.7	65.5	14.37	43.0	70.4	16.01	43.3	75.5	16.80	43.5	77.5	17.11	43.6
	40	570	60.2	11.83	41.8	66.4	13.93	42.0	71.4	15.52	42.2	76.6	16.28	42.3	78.6	16.59	42.4
	45	190	52.8	13.52	50.0	58.3	15.91	50.6	62.7	17.73	51.1	67.3	18.60	51.5	69.0	18.95	51.6
	45	380	53.3	13.29	47.5	58.8	15.64	47.8	63.2	17.43	48.0	67.8	18.29	48.2	69.5	18.63	48.3
	45	570	54.1	12.88	46.7	59.7	15.16	46.9	64.1	16.89	47.0	68.8	17.72	47.2	70.5	18.05	47.2
60	10	190	56.5	3.39	14.5	62.3	4.00	15.0	67.0	4.45	15.4	71.9	4.67	15.8	73.7	4.76	15.9
	10	380	56.5	3.34	12.3	62.3	3.93	12.5	67.0	4.38	12.7	71.9	4.59	12.9	73.7	4.68	13.0
	10	570	56.5	3.23	11.5	62.3	3.81	11.7	67.0	4.24	11.8	71.9	4.45	11.9	73.7	4.53	12.0
	15	190	56.5	4.53	19.6	62.3	5.33	20.1	67.0	5.94	20.5	71.9	6.23	20.9	73.7	6.35	21.0
	15	380	56.5	4.45	17.3	62.3	5.24	17.5	67.0	5.84	17.7	71.9	6.13	17.9	73.7	6.24	18.0
	15	570	56.5	4.32	16.5	62.3	5.08	16.7	67.0	5.66	16.8	71.9	5.94	17.0	73.7	6.05	17.0
	20	190	56.5	5.46	24.7	62.3	6.43	25.2	67.0	7.16	25.6	71.9	7.51	26.0	73.7	7.65	26.1
	20	380	56.5	5.37	22.3	62.3	6.32	22.6	67.0	7.04	22.8	71.9	7.39	23.0	73.7	7.52	23.1
	20	570	56.5	5.20	21.6	62.3	6.12	21.7	67.0	6.82	21.9	71.9	7.16	22.0	73.7	7.29	22.0
	25	190	56.5	6.80	29.8	62.3	8.01	30.3	67.0	8.92	30.7	71.9	9.36	31.1	73.7	9.54	31.3
	25	380	56.5	6.69	27.4	62.3	7.87	27.6	67.0	8.77	27.9	71.9	9.20	28.1	73.7	9.37	28.1
	25	570	56.5	6.48	26.6	62.3	7.63	26.8	67.0	8.50	26.9	71.9	8.92	27.0	73.7	9.09	27.1
	30	190	56.5	8.17	34.9	62.3	9.62	35.4	67.0	10.72	35.9	71.9	11.25	36.3	73.7	11.46	36.4
	30	380	56.5	8.03	32.4	62.3	9.46	32.7	67.0	10.54	32.9	71.9	11.06	33.1	73.7	11.26	33.2
	30	570	56.5	7.79	31.6	62.3	9.17	31.8	67.0	10.22	31.9	71.9	10.72	32.1	73.7	10.92	32.1
	35	190	56.5	8.88	39.9	62.3	10.46	40.5	67.0	11.65	40.9	71.9	12.22	41.3	73.7	12.45	41.5
	35	380	56.5	8.73	37.5	62.3	10.28	37.7	67.0	11.45	38.0	71.9	12.02	38.2	73.7	12.24	38.2
	35	570	56.5	8.46	36.6	62.3	9.96	36.8	67.0	11.10	37.0	71.9	11.65	37.1	73.7	11.86	37.2
	40	190	50.2	9.84	44.5	55.4	11.59	45.1	59.6	12.91	45.5	63.9	13.54	45.8	65.6	13.80	46.0
	40	380	50.7	9.67	42.3	55.9	11.39	42.5	60.1	12.69	42.7	64.5	13.31	42.9	66.1	13.56	43.0
	40	570	51.4	9.38	41.5	56.7	11.04	41.7	61.0	12.30	41.8	65.4	12.90	42.0	67.1	13.14	42.0
	45	190	45.1	10.71	49.2	49.8	12.61	49.7	53.5	14.05	50.1	57.4	14.74	50.4	58.9	15.02	50.6
	45	380	45.5	10.53	47.1	50.2	12.40	47.4	54.0	13.81	47.6	57.9	14.49	47.7	59.4	14.76	47.8
	45	570	46.1	10.20	46.4	50.9	12.02	46.6	54.7	13.39	46.7	58.7	14.04	46.8	60.2	14.31	46.9
50	10	190	47.4	2.48	13.8	52.3	2.92	14.2	56.2	3.25	14.5	60.3	3.41	14.8	61.8	3.48	14.9
	10	380	47.4	2.44	11.9	52.3	2.87	12.1	56.2	3.20	12.2	60.3	3.35	12.4	61.8	3.42	12.5
	10	570	47.4	2.36	11.3	52.3	2.78	11.4	56.2	3.10	11.5	60.3	3.25	11.6	61.8	3.31	11.6
	15	190	47.4	3.31	18.8	52.3	3.90	19.2	56.2	4.34	19.6	60.3	4.55	19.9	61.8	4.64	20.0
	15	380	47.4	3.25	16.9	52.3	3.83	17.1	56.2	4.27	17.3	60.3	4.48	17.4	61.8	4.56	17.5
	15	570	47.4	3.15	16.3	52.3	3.71	16.4	56.2	4.14	16.5	60.3	4.34	16.6	61.8	4.42	16.7
	20	190	47.4	3.99	23.9	52.3	4.70	24.3	56.2	5.23	24.6	60.3	5.49	25.0	61.8	5.59	25.1
	20	380	47.4	3.92	21.9	52.3	4.62	22.1	56.2	5.14	22.3	60.3	5.40	22.5	61.8	5.50	22.5
	20	570	47.4	3.80	21.3	52.3	4.47	21.4	56.2	4.98	21.5	60.3	5.23	21.6	61.8	5.33	21.7
	25	190	47.4	4.97	28.9	52.3	5.85	29.4	56.2	6.52	29.7	60.3	6.84	30.1	61.8	6.97	30.2
	25	380	47.4	4.88	27.0	52.3	5.75	27.2	56.2	6.41	27.4	60.3	6.72	27.5	61.8	6.85	27.6
	25	570	47.4	4.73	26.3	52.3	5.57	26.5	56.2	6.21	26.6	60.3	6.52	26.7	61.8	6.64	26.7
	30	190	47.4	5.97	34.0	52.3	7.03	34.5	56.2	7.83	34.8	60.3	8.22	35.2	61.8	8.37	35.3
	30	380	47.4	5.87	32.0	52.3	6.91	32.2	56.2	7.70	32.4	60.3	8.08	32.6	61.8	8.23	32.6
	30	570	47.4	5.69	31.3	52.3	6.70	31.5	56.2	7.46	31.6	60.3	7.83	31.7	61.8	7.98	31.8
	35	190	47.4	6.49	39.1	52.3	7.64	39.5	56.2	8.51	39.9	60.3	8.93	40.2	61.8	9.10	40.4
	35	380	47.4	6.38	37.0	52.3	7.51	37.3	56.2	8.37	37.4	60.3	8.78	37.6	61.8	8.94	37.7
	35	570	47.4	6.18	36.3	52.3	7.28	36.5	56.2	8.11	36.6	60.3	8.51	36.7	61.8	8.67	36.8
	40	190	42.1	7.19	43.7	46.5	8.47	44.1	50.0	9.43	44.5	53.6	9.90	44.8	55.0	10.08	44.9
	40	380	42.5	7.07	41.9	46.9	8.32	42.1	50.4	9.27	42.3	54.1	9.73	42.4	55.5	9.91	42.5
	40	570	43.1	6.85	41.3	47.6	8.07	41.4	51.1	8.99	41.5	54.8	9.43	41.6	56.2	9.60	41.7
	45	190	37.8	7.83	48.4	41.8	9.21	48.8	44.9	10.27	49.2	48.1	10.77	49.4	49.4	10.97	49.6
	45	380	38.2	7.69	46.7	42.1	9.06	46.9	45.3	10.09	47.1	48.6	10.59	47.2	49.8	10.79	47.3
	45	570	38.7	7.46	46.2	42.7	8.78	46.3	45.9	9.78	46.4	49.3	10.26	46.5	50.5	10.45	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	190	151.7	33.85	-3.9	149.4	32.32	-3.8	144.6	31.49	-3.5	135.9	29.18	-3.0	131.0	26.97	-2.8
	5	380	156.2	33.60	0.4	152.6	32.56	0.5	147.5	32.00	0.6	138.1	29.57	0.9	132.9	27.34	1.0
	5	570	157.4	34.78	1.9	153.7	33.64	2.0	148.3	32.59	2.1	139.2	30.20	2.3	134.3	28.38	2.3
	10	190	152.6	30.29	0.8	149.8	28.92	0.9	144.7	28.40	1.2	135.9	26.30	1.7	131.0	24.46	2.0
	10	380	156.2	30.05	5.2	152.6	29.00	5.3	147.5	28.60	5.5	138.1	26.23	5.8	132.9	24.43	5.9
	10	570	157.4	30.66	6.8	154.2	29.64	6.9	149.2	28.76	7.0	139.2	26.42	7.2	134.3	24.93	7.2
	15	190	153.4	27.09	5.5	150.6	25.68	5.6	148.5	25.83	5.7	137.9	23.43	6.4	132.1	22.03	6.7
	15	380	158.1	25.99	10.0	155.0	25.24	10.1	153.3	25.63	10.2	142.5	22.77	10.5	135.9	21.27	10.7
	15	570	159.3	26.93	11.7	157.3	26.12	11.7	156.1	25.63	11.7	144.8	22.70	11.9	138.9	22.19	12.1
	20	190	158.9	24.91	9.9	156.1	23.53	10.0	154.1	23.36	10.1	143.3	20.92	10.8	136.7	20.77	11.3
	20	380	164.1	23.95	14.7	161.3	23.58	14.8	158.4	24.98	15.0	147.9	21.58	15.2	141.5	20.85	15.4
	20	570	165.2	24.21	16.5	162.9	23.45	16.5	161.7	23.53	16.5	149.8	21.15	16.8	143.0	20.85	16.9
	25	190	166.4	23.82	14.2	162.5	22.86	14.5	160.9	22.76	14.6	150.5	20.71	15.2	144.5	19.80	15.6
	25	380	166.4	23.45	19.6	162.5	22.70	19.7	160.9	22.36	19.8	150.5	20.38	20.1	144.5	19.91	20.3
	25	570	166.4	22.96	21.4	162.5	21.82	21.5	160.9	21.87	21.5	150.5	20.53	21.7	144.5	18.66	21.8
	30	190	166.4	23.13	19.2	162.5	21.79	19.4	160.9	21.84	19.5	150.5	19.47	20.1	144.5	19.66	20.6
	30	380	166.4	22.36	24.6	162.5	21.63	24.7	160.9	21.31	24.7	150.5	19.65	25.1	144.5	18.36	25.2
	30	570	166.4	21.87	26.4	162.5	20.75	26.4	160.9	20.78	26.5	150.5	18.35	26.7	144.5	19.13	26.8
	35	190	166.4	22.04	24.1	162.5	21.07	24.3	160.9	20.99	24.4	150.5	18.77	25.1	144.5	17.56	25.4
	35	380	166.4	21.31	29.5	162.5	20.59	29.6	160.9	20.58	29.7	150.5	18.55	30.0	144.5	17.16	30.2
	35	570	166.4	21.31	31.4	162.5	20.23	31.4	160.9	20.01	31.5	150.5	18.02	31.7	144.5	16.72	31.8
	40	190	166.4	21.31	29.1	162.5	20.35	29.3	160.9	20.22	29.4	150.5	18.06	30.0	144.5	17.31	30.4
	40	380	166.4	20.58	34.5	162.5	19.83	34.6	160.9	19.53	34.7	150.5	17.41	35.0	144.5	16.66	35.2
	40	570	166.4	20.01	36.3	162.5	19.35	36.4	160.9	19.53	36.4	150.5	17.41	36.7	144.5	16.66	36.8
	45	190	166.4	20.58	34.0	162.5	19.67	34.2	160.9	19.53	34.3	150.5	17.23	34.9	144.5	17.13	35.4
	45	380	166.4	19.89	39.5	162.5	19.15	39.6	160.9	18.43	39.6	150.5	16.11	39.9	144.5	16.14	40.2
	45	570	166.4	18.75	41.3	162.5	18.43	41.4	160.9	19.00	41.4	150.5	16.59	41.6	144.5	16.68	41.8
120	5	190	144.5	33.58	-3.4	142.2	32.19	-3.3	137.5	31.27	-3.0	129.5	28.76	-2.6	123.9	26.57	-2.3
	5	380	148.2	34.05	0.7	145.0	32.83	0.8	139.2	32.00	1.0	131.0	29.36	1.2	125.4	26.89	1.3
	5	570	149.3	34.37	2.1	143.8	33.19	2.2	140.0	32.59	2.3	131.7	29.94	2.4	126.2	27.46	2.5
	10	190	145.4	30.05	1.3	142.6	28.80	1.4	137.5	28.20	1.8	129.5	25.92	2.2	123.9	24.09	2.5
	10	380	148.2	30.45	5.6	145.0	29.24	5.6	139.2	28.60	5.8	131.0	26.04	6.0	125.4	24.03	6.2
	10	570	149.3	30.29	7.0	144.2	29.24	7.1	140.8	28.76	7.2	131.7	26.19	7.3	126.2	24.12	7.4
	15	190	146.2	26.60	6.0	143.0	25.44	6.1	141.2	25.43	6.3	131.4	23.09	6.8	125.0	21.66	7.2
	15	380	149.3	26.84	10.4	146.6	25.68	10.4	144.4	25.63	10.5	134.5	22.77	10.8	127.6	20.97	11.0
	15	570	150.5	26.24	11.9	146.6	25.32	12.0	146.0	25.63	12.0	136.0	22.70	12.2	129.1	20.97	12.3
	20	190	150.1	23.89	10.5	147.3	22.61	10.6	144.8	22.35	10.8	134.9	20.25	11.4	128.0	20.16	11.9
	20	380	154.1	23.63	15.1	150.9	23.09	15.2	147.6	24.33	15.4	137.9	20.86	15.6	131.4	19.67	15.8
	20	570	154.9	23.56	16.7	150.5	22.69	16.8	150.0	22.75	16.8	139.5	20.44	17.0	132.5	19.78	17.2
	25	190	156.4	22.51	14.9	151.7	21.18	15.2	149.2	21.10	15.3	139.5	19.05	15.9	133.7	18.16	16.3
	25	380	156.8	22.19	19.9	151.7	21.06	20.1	149.2	20.97	20.2	139.5	18.69	20.4	133.7	18.26	20.6
	25	570	157.6	20.93	21.6	151.7	20.22	21.7	149.2	20.41	21.8	139.5	19.32	22.0	133.7	17.08	22.1
	30	190	157.2	21.42	19.8	151.7	20.14	20.1	149.2	19.88	20.2	139.5	17.47	20.8	133.7	17.60	21.2
	30	380	157.2	20.73	24.9	151.7	19.66	25.0	149.2	19.52	25.1	139.5	17.59	25.4	133.7	16.40	25.6
	30	570	157.2	19.72	26.5	151.7	18.98	26.7	149.2	18.95	26.7	139.5	16.88	26.9	133.7	17.09	27.1
	35	190	157.2	20.37	24.7	151.7	19.07	25.0	149.2	18.79	25.2	139.5	16.76	25.7	133.7	15.59	26.1
	35	380	157.2	19.19	29.8	151.7	18.35	30.0	149.2	18.06	30.1	139.5	16.16	30.3	133.7	14.93	30.5
	35	570	157.2	18.87	31.5	151.7	18.15	31.6	149.2	18.06	31.7	139.5	16.16	31.9	133.7	14.93	32.0
	40	190	157.2	19.64	29.6	151.7	18.15	29.9	149.2	17.70	30.1	139.5	15.69	30.7	133.7	14.99	31.0
	40	380	157.2	18.14	34.8	151.7	17.31	34.9	149.2	16.97	35.0	139.5	15.07	35.3	133.7	14.34	35.5
	40	570	157.2	17.77	36.5	151.7	16.95	36.6	149.2	16.97	36.7	139.5	15.07	36.9	133.7	14.34	37.0
	45	190	157.2	18.95	34.6	151.7	17.23	34.9	149.2	16.64	35.0	139.5	14.54	35.6	133.7	14.39	36.0
	45	380	157.2	17.04	39.7	151.7	16.23	39.9	149.2	15.87	40.0	139.5	13.82	40.3	133.7	13.74	40.5
	45	570	157.2	16.72	41.5	151.7	15.79	41.6	149.2	15.87	41.6	139.5	13.82	41.8	133.7	13.74	42.0
110	5	190	138.3	33.94	-2.9	135.2	32.32	-2.8	130.2	31.36	-2.5	123.1	28.76	-2.1	116.7	26.57	-1.8
	5	380	141.1	34.19	1.0	136.8	32.83	1.1	131.5	32.00	1.2	123.8	29.36	1.4	117.5	26.89	1.6
	5	570	142.2	34.69	2.3	137.6	33.19	2.4	131.9	32.31	2.5	123.8	29.64	2.6	117.9	27.46	2.7
	10	190	139.1	30.37	1.8	135.7	28.92	1.9	130.2	28.28	2.3	123.1	25.92	2.7	116.7	24.09	3.0
	10	380	141.1	30.58	5.8	136.8	29.24	5.9	131.5	28.60	6.1	123.8	26.04	6.3	117.5	24.03	6.5
	10	570	142.2	30.58	7.2	138.0	29.24	7.3	132.7	28.52	7.4	123.8	25.92	7.5	117.9	24.12	7.6
	15	190	139.5	26.76	6.5	136.0	25.68	6.7	133.7	25.63	6.8	124.9	23.09	7.3	117.8	21.66	7.7
	15	380	141.8	26.60	10.7	138.0	25.68	10.8	135.3	25.63	10.9	126.1	22.77	11.1	119.3	20.97	11.3
	15	570	143.0	26.36	12.1	138.8	25.32	12.1	136.5	25.10	12.2	126.9	22.21	12.4	119.7	20.97	12.5
	20	190	142.2	23.20	11.0	138.4	22.25	11.2	135.7	22.02	11.4	126.1	19.91	12.0	119.3	19.52	12.5
	20	380	145.4	23.10	15.4	140.0	22.37	15.6	136.8	23.46	15.7	128.0	20.22	15.9	120.8	18.74	16.2
	20	570	146.6	23.36	16.9	142.0	22.25	17.0	138.5	22.02	17.1	128.8	19.29	17.2	121.9	18.74	17.4
	25	190	146.2	21.01	15.6	141.6	19.90	15.8	138.1	19.87	16.1	128.8	17.70	16.6	122.3	16.55	17.0
	25	380	147.4	20.89	20.2	141.6	19.58	20.4	138.1	19.51	20.5	128.8	17.37	20.8	122.3	16.58	21.0
	25	570	148.6	20.89	21.8	141.6	19.70	21.9	138.1	18.94	22.0	128.8	17.96	22.2	122.3	15.49	22.3
	30	190	148.2	19.10	20.3	141.6	18.14	20.7	138.1	17.69	20.9	128.8	15.83	21.5	122.3	15.24	21.9
	30	380	148.2	18.78	25.1	141.6	17.78	25.3	138.1	17.32	25.4	128.8	15.88	25.7	122.3	14.41	25.9
	30	570	148.2	18.58	26.7	141.6	17.26	26.9	138.1	16.75	26.9	128.8	14.80	27.1	122.3	15.02	27.3
	35	190	148.2	18.05	25.2	141.6	16.70	25.6	138.1	16.27	25.8	128.8	14.42	26.4	122.3	13.32	26.8
	35	380	148.2	17.32	30.1	141.6	16.38	30.3	138.1	15.86	30.4	128.8	14.15	30.7	122.3	12.96	30.9
	35	570	148.2	16.67	31.7	141.6	15.82	31.8	138.1	15.38	31.9	128.8	14.15	32.1	122.3	12.96	32.3
	40	190	148.2	16.96	30.1	141.6	16.02	30.5	138.1	15.18	30.7	128.8	13.36	31.3	122.3	12.63	31.7
	40	380	148.2	16.27	35.0	141.6	15.30	35.2	138.1	14.44	35.3	128.8	13.04	35.6	122.3	12.35	35.9
	40	570	148.2	15.90	36.7	141.6	14.74	36.8	138.1	14.44	36.9	128.8	12.51	37.1	122.3	11.82	37.2
	45	190	148.2	15.86	35.0	141.6	15.31	35.5	138.1	14.08	35.6	128.8	12.27	36.2	122.3	11.96	36.7
	45	380	148.2	15.17	40.0	141.6	14.23	40.2	138.1	12.98	40.3	128.8	11.82	40.6	122.3	11.69	40.8
	45	570	148.2	15.17	41.7	141.6	13.67	41.8	138.1	13.55	41.9	128.8	10.86	42.0	122.3	10.61	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	190	132.0	34.04	-2.4	127.3	32.73	-2.1	122.7	31.45	-1.9	115.8	28.85	-1.6	109.4	26.24	-1.3
	5	380	134.0	34.65	1.3	128.4	33.29	1.4	123.2	32.09	1.6	115.8	29.45	1.7	109.4	26.76	1.9
	5	570	135.1	34.98	2.5	128.8	33.65	2.6	122.8	32.41	2.7	115.8	29.73	2.8	109.4	27.00	2.9
	10	190	132.8	30.46	2.3	127.7	29.29	2.6	122.7	28.37	2.9	115.8	26.00	3.2	109.4	23.80	3.5
	10	380	134.0	30.99	6.1	128.4	29.65	6.3	123.2	28.69	6.4	115.8	26.12	6.6	109.4	23.92	6.8
	10	570	135.1	30.83	7.4	129.2	29.65	7.5	123.6	28.61	7.6	115.8	26.00	7.7	109.4	23.72	7.8
	15	190	133.2	26.84	7.0	128.4	25.88	7.3	126.0	25.71	7.4	117.6	23.16	7.9	110.3	21.39	8.3
	15	380	134.0	27.37	11.0	128.4	25.96	11.1	126.0	25.71	11.2	117.6	22.84	11.4	110.3	21.03	11.6
	15	570	135.5	26.68	12.3	129.6	25.64	12.4	126.0	25.18	12.5	117.6	22.28	12.6	110.3	20.51	12.7
	20	190	134.4	22.94	11.6	128.8	21.96	11.9	126.0	21.72	12.1	117.6	19.63	12.6	110.3	18.55	13.1
	20	380	136.3	23.13	15.7	129.2	22.15	16.0	126.0	21.72	16.1	117.6	19.63	16.3	110.3	17.83	16.5
	20	570	137.5	22.74	17.1	131.2	21.75	17.2	126.0	21.15	17.4	117.6	18.71	17.5	110.3	17.31	17.7
	25	190	135.9	20.01	16.3	130.8	18.95	16.6	126.0	18.47	16.9	117.6	16.43	17.4	110.3	14.98	17.8
	25	380	137.9	20.05	20.6	130.8	18.55	20.8	126.0	18.10	20.9	117.6	16.07	21.2	110.3	14.98	21.4
	25	570	139.1	19.40	22.0	130.8	18.35	22.2	126.0	17.57	22.3	117.6	16.07	22.4	110.3	14.42	22.6
	30	190	138.7	18.10	20.9	130.8	16.43	21.4	126.0	15.58	21.7	117.6	13.90	22.2	110.3	13.22	22.7
	30	380	138.7	17.73	25.4	130.8	16.07	25.7	126.0	15.42	25.8	117.6	13.90	26.1	110.3	12.82	26.3
	30	570	138.7	17.21	26.9	130.8	16.07	27.1	126.0	15.09	27.2	117.6	13.34	27.4	110.3	12.82	27.5
	35	190	138.7	16.68	25.8	130.8	14.98	26.3	126.0	13.75	26.5	117.6	12.46	27.1	110.3	11.38	27.5
	35	380	138.7	15.90	30.4	130.8	14.26	30.6	126.0	13.59	30.8	117.6	12.14	31.0	110.3	11.06	31.3
	35	570	138.7	15.90	31.9	130.8	14.26	32.1	126.0	13.30	32.2	117.6	12.14	32.3	110.3	11.06	32.5
	40	190	138.7	15.58	30.7	130.8	13.90	31.2	126.0	12.32	31.4	117.6	11.06	32.0	110.3	10.34	32.5
	40	380	138.7	14.85	35.3	130.8	13.22	35.6	126.0	12.16	35.7	117.6	10.70	36.0	110.3	10.02	36.2
	40	570	138.7	14.32	36.9	130.8	13.22	37.0	126.0	11.84	37.1	117.6	10.70	37.3	110.3	10.02	37.5
	45	190	138.7	14.48	35.6	130.8	12.82	36.1	126.0	10.86	36.3	117.6	9.62	36.9	110.3	9.25	37.4
	45	380	138.7	13.75	40.3	130.8	12.14	40.5	126.0	10.70	40.7	117.6	9.25	40.9	110.3	8.93	41.2
	45	570	138.7	12.69	41.8	130.8	12.14	42.0	126.0	10.37	42.1	117.6	9.25	42.3	110.3	8.93	42.5
90	5	190	118.7	32.39	-1.5	114.7	30.59	-1.3	111.2	28.88	-1.2	102.1	26.53	-0.7	93.8	23.79	-0.3
	5	380	119.5	32.98	1.7	114.4	31.18	1.9	111.2	29.44	1.9	102.1	27.08	2.2	93.8	24.26	2.4
	5	570	120.2	33.27	2.8	115.1	31.47	2.9	111.2	29.78	3.0	102.1	27.34	3.1	93.8	24.56	3.3
	10	190	119.5	28.49	3.1	115.1	27.11	3.4	111.2	26.06	3.6	102.1	23.92	4.1	93.8	21.61	4.6
	10	380	119.1	28.57	6.6	114.7	27.23	6.7	111.2	26.14	6.8	102.1	23.83	7.0	93.8	21.65	7.3
	10	570	120.2	28.49	7.7	115.1	27.11	7.8	111.2	26.06	7.9	102.1	23.96	8.0	93.8	21.78	8.2
	15	190	119.9	24.59	7.8	115.5	23.67	8.1	111.2	23.23	8.4	104.1	21.31	8.8	99.0	19.43	9.0
	15	380	119.1	24.17	11.4	114.7	23.29	11.6	111.2	22.85	11.7	104.1	20.58	11.8	99.0	19.04	12.0
	15	570	120.2	23.67	12.6	115.1	22.78	12.7	111.2	22.25	12.8	104.1	20.58	12.9	99.0	19.04	13.0
	20	190	120.6	20.81	12.5	115.9	20.18	12.8	111.2	19.81	13.1	104.1	18.27	13.5	99.0	17.16	13.8
	20	380	120.2	20.81	16.2	115.1	19.93	16.4	113.4	19.81	16.5	104.1	17.54	16.7	99.0	16.39	16.9
	20	570	120.6	20.31	17.5	115.5	19.72	17.6	113.4	19.81	17.6	104.1	17.54	17.8	99.0	16.39	17.9
	25	190	123.0	18.17	17.1	117.5	17.20	17.4	113.4	17.06	17.7	104.1	15.23	18.3	99.0	14.12	18.6
	25	380	124.2	18.00	21.0	117.5	17.04	21.2	113.4	16.71	21.4	104.1	14.85	21.6	99.0	13.69	21.8
	25	570	125.0	17.29	22.3	117.5	16.45	22.5	113.4	16.71	22.6	104.1	14.85	22.8	99.0	13.69	22.9
	30	190	124.6	16.41	21.8	117.5	15.32	22.3	113.4	14.75	22.6	104.1	13.31	23.1	99.0	12.15	23.4
	30	380	124.6	16.07	25.9	117.5	14.94	26.1	113.4	14.40	26.3	104.1	12.96	26.6	99.0	12.15	26.7
	30	570	124.6	15.48	27.3	117.5	14.35	27.4	113.4	14.40	27.5	104.1	12.96	27.7	99.0	11.64	27.8
	35	190	124.6	14.94	26.7	117.5	13.85	27.2	113.4	13.22	27.4	104.1	11.81	28.0	99.0	11.04	28.4
	35	380	124.6	15.23	30.9	117.5	13.43	31.1	113.4	12.83	31.2	104.1	11.42	31.5	99.0	11.04	31.7
	35	570	124.6	13.97	32.2	117.5	13.69	32.4	113.4	12.22	32.5	104.1	11.42	32.7	99.0	11.04	32.8
	40	190	124.6	13.85	31.6	117.5	12.71	32.1	113.4	11.65	32.3	104.1	10.70	33.0	99.0	9.88	33.3
	40	380	124.6	13.05	35.8	117.5	12.34	36.0	113.4	11.26	36.1	104.1	10.27	36.5	99.0	9.54	36.6
	40	570	124.6	13.05	37.2	117.5	12.34	37.4	113.4	11.26	37.4	104.1	10.27	37.6	99.0	9.88	37.8
	45	190	124.6	12.71	36.6	117.5	11.58	37.0	113.4	10.08	37.2	104.1	9.54	37.9	99.0	8.73	38.2
	45	380	124.6	11.58	40.7	117.5	11.20	41.0	113.4	9.73	41.1	104.1	9.16	41.4	99.0	8.39	41.6
	45	570	124.6	13.31	42.2	117.5	11.79	42.3	113.4	10.25	42.4	104.1	9.16	42.6	99.0	8.39	42.7
80	5	190	112.3	26.51	-1.5	105.1	25.03	-1.0	102.1	23.63	-0.9	93.7	21.71	-0.4	86.1	19.47	0.0
	5	380	112.3	26.99	1.8	105.1	25.51	2.0	102.1	24.09	2.1	93.7	22.16	2.3	86.1	19.85	2.5
	5	570	112.3	27.23	2.9	105.1	25.75	3.0	102.1	24.37	3.0	93.7	22.37	3.2	86.1	20.10	3.3
	10	190	112.3	23.31	3.3	105.1	22.18	3.7	102.1	21.32	3.9	93.7	19.57	4.4	86.1	17.68	4.8
	10	380	112.3	23.38	6.6	105.1	22.28	6.9	102.1	21.39	7.0	93.7	19.50	7.2	86.1	17.72	7.4
	10	570	112.3	23.31	7.8	105.1	22.18	7.9	102.1	21.32	8.0	93.7	19.61	8.1	86.1	17.82	8.3
	15	190	112.3	20.12	8.0	105.1	19.37	8.5	102.1	19.01	8.7	94.2	17.44	9.2	88.8	15.90	9.5
	15	380	112.3	19.78	11.5	105.1	19.06	11.8	102.1	18.70	11.9	94.2	16.84	12.1	88.8	15.58	12.2
	15	570	112.3	19.37	12.7	105.1	18.64	12.8	102.1	18.21	12.9	94.2	16.84	13.1	88.8	15.58	13.2
	20	190	112.3	17.03	12.8	105.1	16.52	13.3	102.1	16.21	13.5	94.2	14.95	14.0	88.8	14.04	14.4
	20	380	112.3	17.03	16.4	105.1	16.31	16.7	102.1	16.53	16.8	94.2	14.36	17.0	88.8	13.41	17.2
	20	570	112.3	16.62	17.6	105.1	16.14	17.8	102.1	16.53	17.8	94.2	14.36	18.0	88.8	13.41	18.1
	25	190	112.9	14.87	17.6	105.6	14.08	18.1	102.1	13.96	18.4	94.2	12.46	18.8	88.8	11.55	19.2
	25	380	112.9	14.73	21.3	105.6	13.94	21.5	102.1	13.67	21.7	94.2	12.15	21.9	88.8	11.20	22.1
	25	570	112.9	14.15	22.5	105.6	13.46	22.7	102.1	13.67	22.8	94.2	12.15	22.9	88.8	11.20	23.0
	30	190	112.9	13.43	22.5	105.6	12.53	23.0	102.1	12.07	23.2	94.2	10.89	23.7	88.8	9.94	24.1
	30	380	112.9	13.15	26.2	105.6	12.22	26.5	102.1	11.78	26.6	94.2	10.61	26.8	88.8	9.94	27.0
	30	570	112.9	12.67	27.5	105.6	11.74	27.6	102.1	11.78	27.7	94.2	10.61	27.9	88.8	9.52	28.0
	35	190	112.9	12.22	27.4	105.6	11.33	27.9	102.1	10.82	28.1	94.2	9.66	28.6	88.8	9.03	29.0
	35	380	112.9	12.46	31.2	105.6	10.99	31.4	102.1	10.50	31.5	94.2	9.35	31.8	88.8	9.03	32.0
	35	570	112.9	11.43	32.4	105.6	11.20	32.6	102.1	10.00	32.7	94.2	9.35	32.9	88.8	9.03	33.0
	40	190	112.9	11.33	32.3	105.6	10.40	32.8	102.1	9.53	33.0	94.2	8.75	33.6	88.8	8.09	33.9
	40	380	112.9	10.68	36.1	105.6	10.09	36.4	102.1	9.21	36.5	94.2	8.40	36.8	88.8	7.81	36.9
	40	570	112.9	10.68	37.4	105.6	10.09	37.6	102.1	9.21	37.7	94.2	8.40	37.8	88.8	8.09	38.0
	45	190	112.9	10.68	37.3	105.6	10.09	37.8	102.1	9.21	38.0	94.2	8.40	38.5	88.8	8.09	38.9
	45	380	112.9	10.68	41.1	105.6	10.09	41.4	102.1	9.21	41.5	94.2	8.40	41.8	88.8	8.09	42.0
	45	570	112.9	10.68	42.4	105.6	10.09	42.6	102.1	9.21	42.7	94.2	8.40	42.8	88.8	8.09	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	190	97.7	22.29	-0.7	91.5	21.05	-0.3	88.8	19.88	-0.2	81.5	18.26	0.2	74.9	16.37	0.6
	5	380	97.7	22.70	2.2	91.5	21.45	2.4	88.8	20.26	2.4	81.5	18.64	2.6	74.9	16.70	2.8
	5	570	97.7	22.90	3.1	91.5	21.66	3.2	88.8	20.49	3.3	81.5	18.82	3.4	74.9	16.90	3.5
	10	190	97.7	19.61	4.1	91.5	18.65	4.5	88.8	17.93	4.7	81.5	16.46	5.1	74.9	14.87	5.5
	10	380	97.7	19.66	7.1	91.5	18.74	7.3	88.8	17.99	7.3	81.5	16.40	7.5	74.9	14.90	7.7
	10	570	97.7	19.61	8.0	91.5	18.65	8.2	88.8	17.93	8.2	81.5	16.49	8.4	74.9	14.99	8.5
	15	190	97.7	16.92	8.9	91.5	16.29	9.3	88.8	15.99	9.5	82.0	14.66	9.9	77.3	13.37	10.2
	15	380	97.7	16.63	11.9	91.5	16.03	12.2	88.8	15.72	12.2	82.0	14.16	12.4	77.3	13.10	12.6
	15	570	97.7	16.29	13.0	91.5	15.68	13.1	88.8	15.31	13.2	82.0	14.16	13.3	77.3	13.10	13.4
	20	190	97.7	14.32	13.7	91.5	13.89	14.1	88.8	13.63	14.3	82.0	12.57	14.8	77.3	11.81	15.1
	20	380	97.7	14.32	16.9	91.5	13.72	17.1	88.8	13.90	17.2	82.0	12.07	17.4	77.3	11.28	17.5
	20	570	97.7	13.98	17.9	91.5	13.57	18.0	88.8	13.90	18.1	82.0	12.07	18.2	77.3	11.28	18.3
	25	190	98.2	12.50	18.5	91.9	11.84	19.0	88.8	11.74	19.2	82.0	10.48	19.6	77.3	9.72	19.9
	25	380	98.2	12.39	21.8	91.9	11.72	22.0	88.8	11.50	22.1	82.0	10.22	22.3	77.3	9.42	22.4
	25	570	98.2	11.90	22.8	91.9	11.32	23.0	88.8	11.50	23.1	82.0	10.22	23.2	77.3	9.42	23.3
	30	190	98.2	11.29	23.4	91.9	10.54	23.9	88.8	10.15	24.1	82.0	9.16	24.5	77.3	8.36	24.8
	30	380	98.2	11.06	26.7	91.9	10.28	26.9	88.8	9.91	27.0	82.0	8.92	27.2	77.3	8.36	27.4
	30	570	98.2	10.66	27.8	91.9	9.88	27.9	88.8	9.91	28.0	82.0	8.92	28.2	77.3	8.01	28.3
	35	190	98.2	10.28	28.4	91.9	9.53	28.8	88.8	9.10	29.0	82.0	8.13	29.4	77.3	7.60	29.7
	35	380	98.2	10.48	31.7	91.9	9.24	31.9	88.8	8.83	32.0	82.0	7.86	32.2	77.3	7.60	32.4
	35	570	98.2	9.62	32.8	91.9	9.42	32.9	88.8	8.41	33.0	82.0	7.86	33.1	77.3	7.60	33.2
	40	190	98.2	9.53	33.3	91.9	8.75	33.7	88.8	8.02	33.9	82.0	7.36	34.4	77.3	6.80	34.7
	40	380	98.2	8.98	36.6	91.9	8.49	36.9	88.8	7.75	36.9	82.0	7.07	37.2	77.3	6.57	37.3
	40	570	98.2	8.98	37.8	91.9	8.49	37.9	88.8	7.75	38.0	82.0	7.07	38.1	77.3	6.80	38.2
	45	190	98.2	8.98	38.3	91.9	8.49	38.7	88.8	7.75	38.9	82.0	7.07	39.3	77.3	6.80	39.7
	45	380	98.2	8.98	41.6	91.9	8.49	41.9	88.8	7.75	41.9	82.0	7.07	42.2	77.3	6.80	42.3
	45	570	98.2	8.98	42.8	91.9	8.49	42.9	88.8	7.75	43.0	82.0	7.07	43.1	77.3	6.80	43.2
60	5	190	83.6	17.83	0.0	78.3	16.84	0.4	76.0	15.90	0.5	69.8	14.61	0.8	64.1	13.10	1.2
	5	380	83.6	18.16	2.5	78.3	17.16	2.7	76.0	16.21	2.7	69.8	14.91	2.9	64.1	13.36	3.1
	5	570	83.6	18.32	3.4	78.3	17.33	3.5	76.0	16.40	3.5	69.8	15.05	3.6	64.1	13.52	3.7
	10	190	83.6	15.69	4.9	78.3	14.92	5.2	76.0	14.35	5.3	69.8	13.17	5.7	64.1	11.90	6.1
	10	380	83.6	15.73	7.4	78.3	14.99	7.6	76.0	14.39	7.7	69.8	13.12	7.9	64.1	11.92	8.0
	10	570	83.6	15.69	8.3	78.3	14.92	8.4	76.0	14.35	8.4	69.8	13.19	8.6	64.1	11.99	8.7
	15	190	83.6	13.54	9.7	78.3	13.03	10.1	76.0	12.79	10.2	70.1	11.73	10.6	66.1	10.69	10.8
	15	380	83.6	13.31	12.3	78.3	12.82	12.5	76.0	12.58	12.6	70.1	11.33	12.8	66.1	10.48	12.9
	15	570	83.6	13.03	13.2	78.3	12.54	13.3	76.0	12.25	13.4	70.1	11.33	13.5	66.1	10.48	13.6
	20	190	83.6	11.46	14.6	78.3	11.11	14.9	76.0	10.91	15.1	70.1	10.06	15.5	66.1	9.45	15.7
	20	380	83.6	11.46	17.3	78.3	10.97	17.5	76.0	11.12	17.6	70.1	9.66	17.7	66.1	9.02	17.8
	20	570	83.6	11.18	18.2	78.3	10.86	18.3	76.0	11.12	18.4	70.1	9.66	18.5	66.1	9.02	18.6
	25	190	84.1	10.00	19.4	78.7	9.47	19.8	76.0	9.39	20.0	70.1	8.39	20.3	66.1	7.77	20.6
	25	380	84.1	9.91	22.2	78.7	9.38	22.4	76.0	9.20	22.5	70.1	8.17	22.7	66.1	7.54	22.8
	25	570	84.1	9.52	23.1	78.7	9.06	23.2	76.0	9.20	23.3	70.1	8.17	23.4	66.1	7.54	23.5
	30	190	84.1	9.03	24.3	78.7	8.43	24.7	76.0	8.12	24.9	70.1	7.33	25.3	66.1	6.69	25.5
	30	380	84.1	8.85	27.2	78.7	8.22	27.3	76.0	7.93	27.4	70.1	7.14	27.6	66.1	6.69	27.8
	30	570	84.1	8.52	28.1	78.7	7.90	28.2	76.0	7.93	28.3	70.1	7.14	28.4	66.1	6.41	28.5
	35	190	84.1	8.22	29.3	78.7	7.62	29.6	76.0	7.28	29.8	70.1	6.50	30.2	66.1	6.08	30.5
	35	380	84.1	8.39	32.1	78.7	7.39	32.3	76.0	7.06	32.4	70.1	6.29	32.6	66.1	6.08	32.7
	35	570	84.1	7.69	33.1	78.7	7.54	33.2	76.0	6.73	33.3	70.1	6.29	33.4	66.1	6.08	33.5
	40	190	84.1	7.62	34.2	78.7	7.00	34.6	76.0	6.41	34.8	70.1	5.89	35.2	66.1	5.44	35.4
	40	380	84.1	7.18	37.1	78.7	6.79	37.3	76.0	6.20	37.4	70.1	5.65	37.6	66.1	5.25	37.7
	40	570	84.1	7.18	38.1	78.7	6.79	38.2	76.0	6.20	38.2	70.1	5.65	38.4	66.1	5.44	38.5
	45	190	84.1	7.18	39.2	78.7	6.79	39.6	76.0	6.20	39.7	70.1	5.65	40.1	66.1	5.44	40.4
	45	380	84.1	7.18	42.1	78.7	6.79	42.3	76.0	6.20	42.4	70.1	5.65	42.6	66.1	5.44	42.7
	45	570	84.1	7.18	43.1	78.7	6.79	43.2	76.0	6.20	43.2	70.1	5.65	43.4	66.1	5.44	43.5
50	5	190	69.5	14.35	0.8	65.1	13.55	1.1	63.2	12.80	1.2	58.0	11.75	1.5	53.3	10.54	1.8
	5	380	69.5	14.61	2.9	65.1	13.81	3.1	63.2	13.04	3.1	58.0	12.00	3.3	53.3	10.75	3.4
	5	570	69.5	14.74	3.6	65.1	13.94	3.7	63.2	13.19	3.7	58.0	12.11	3.8	53.3	10.88	3.9
	10	190	69.5	12.62	5.7	65.1	12.01	6.0	63.2	11.54	6.1	58.0	10.60	6.4	53.3	9.57	6.7
	10	380	69.5	12.66	7.9	65.1	12.06	8.0	63.2	11.58	8.1	58.0	10.56	8.2	53.3	9.59	8.4
	10	570	69.5	12.62	8.6	65.1	12.01	8.7	63.2	11.54	8.7	58.0	10.62	8.8	53.3	9.65	8.9
	15	190	69.5	10.89	10.6	65.1	10.48	10.9	63.2	10.29	11.0	58.3	9.44	11.3	55.0	8.61	11.5
	15	380	69.5	10.71	12.8	65.1	10.32	12.9	63.2	10.12	13.0	58.3	9.12	13.1	55.0	8.44	13.2
	15	570	69.5	10.48	13.5	65.1	10.09	13.6	63.2	9.86	13.7	58.3	9.12	13.8	55.0	8.44	13.8
	20	190	69.5	9.22	15.5	65.1	8.94	15.8	63.2	8.78	15.9	58.3	8.09	16.2	55.0	7.60	16.4
	20	380	69.5	9.22	17.7	65.1	8.83	17.9	63.2	8.95	18.0	58.3	7.77	18.1	55.0	7.26	18.2
	20	570	69.5	9.00	18.5	65.1	8.74	18.6	63.2	8.95	18.6	58.3	7.77	18.7	55.0	7.26	18.8
	25	190	69.9	8.05	20.3	65.4	7.62	20.6	63.2	7.56	20.8	58.3	6.75	21.1	55.0	6.26	21.3
	25	380	69.9	7.97	22.7	65.4	7.55	22.8	63.2	7.40	22.9	58.3	6.58	23.0	55.0	6.07	23.2
	25	570	69.9	7.66	23.4	65.4	7.29	23.5	63.2	7.40	23.6	58.3	6.58	23.7	55.0	6.07	23.8
	30	190	69.9	7.27	25.3	65.4	6.78	25.6	63.2	6.53	25.7	58.3	5.90	26.0	55.0	5.38	26.3
	30	380	69.9	7.12	27.6	65.4	6.62	27.8	63.2	6.38	27.9	58.3	5.74	28.0	55.0	5.38	28.1
	30	570	69.9	6.86	28.4	65.4	6.36	28.5	63.2	6.38	28.6	58.3	5.74	28.7	55.0	5.16	28.7
	35	190	69.9	6.62	30.2	65.4	6.13	30.5	63.2	5.86	30.7	58.3	5.23	31.0	55.0	4.89	31.2
	35	380	69.9	6.75	32.6	65.4	5.95	32.8	63.2	5.68	32.8	58.3	5.06	33.0	55.0	4.89	33.1
	35	570	69.9	6.19	33.4	65.4	6.07	33.5	63.2	5.41	33.5	58.3	5.06	33.7	55.0	4.89	33.7
	40	190	69.9	6.13	35.2	65.4	5.63	35.5	63.2	5.16	35.6	58.3	4.74	36.0	55.0	4.38	36.2
	40	380	69.9	5.78	37.6	65.4	5.47	37.7	63.2	4.99	37.8	58.3	4.55	38.0	55.0	4.23	38.1
	40	570	69.9	5.78	38.4	65.4	5.47	38.5	63.2	4.99	38.5	58.3	4.55	38.6	55.0	4.38	38.7
	45	190	69.9	5.78	40.2	65.4	5.47	40.5	63.2	4.99	40.6	58.3	4.55	40.9	55.0	4.38	41.2
	45	380	69.9	5.78	42.6	65.4	5.47	42.7	63.2	4.99	42.8	58.3	4.55	43.0	55.0	4.38	43.1
	45	570	69.9	5.78	43.4	65.4	5.47	43.5	63.2	4.99	43.5	58.3	4.55	43.6	55.0	4.38	43.7

12. Capacity Table

1-17. AM420FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	200	118.4	8.51	19.1	130.2	10.13	20.1	139.9	11.09	20.8	150.1	11.78	21.6	154.1	11.91	21.9
	10	400	118.4	7.89	14.5	130.2	9.36	15.0	139.9	10.58	15.4	150.1	11.11	15.8	154.1	11.12	15.9
	10	600	118.4	7.76	13.0	130.2	9.32	13.3	139.9	10.01	13.6	150.1	10.91	13.8	154.1	11.16	13.9
	15	200	116.3	10.98	24.1	128.1	13.00	25.1	137.8	14.44	25.9	147.6	15.14	26.7	151.6	15.48	27.0
	15	400	116.3	10.24	19.5	128.1	12.05	20.0	137.8	13.45	20.4	147.6	14.15	20.8	151.6	14.47	21.0
	15	600	116.3	9.94	18.0	128.1	11.75	18.3	137.8	13.01	18.6	147.6	13.64	18.9	151.6	14.06	19.0
	20	200	114.7	13.09	29.2	126.4	15.31	30.2	136.1	17.10	31.0	145.5	17.92	31.7	149.5	18.31	32.0
	20	400	114.7	12.83	24.6	126.4	15.08	25.1	136.1	16.86	25.5	145.5	17.72	25.8	149.5	18.05	26.0
	20	600	114.7	12.40	23.0	126.4	14.63	23.4	136.1	16.35	23.6	145.5	17.05	23.9	149.5	17.58	24.0
	25	200	114.7	16.42	34.4	126.4	19.34	35.4	136.1	21.54	36.3	145.5	22.64	37.0	149.5	23.01	37.4
	25	400	114.7	15.35	29.7	126.4	18.05	30.2	136.1	20.08	30.6	145.5	21.16	31.0	149.5	21.50	31.1
	25	600	114.7	14.77	28.1	126.4	17.48	28.4	136.1	19.45	28.7	145.5	20.40	29.0	149.5	20.98	29.1
	30	200	114.7	19.28	39.6	126.4	22.66	40.7	136.1	25.29	41.6	145.5	26.53	42.3	149.5	26.97	42.6
	30	400	114.7	18.95	34.8	126.4	22.30	35.3	136.1	24.82	35.8	145.5	26.13	36.1	149.5	26.66	36.3
	30	600	114.7	18.34	33.2	126.4	21.59	33.5	136.1	24.09	33.8	145.5	25.27	34.1	149.5	25.95	34.2
	35	200	108.4	20.06	44.2	119.7	23.62	45.3	128.7	26.35	46.1	138.1	27.60	46.9	141.3	28.08	47.1
	35	400	108.4	19.67	39.6	119.7	23.23	40.1	128.7	25.88	40.5	138.1	27.20	40.9	141.3	27.77	41.1
	35	600	108.4	19.15	38.0	119.7	22.52	38.4	128.7	25.04	38.7	138.1	26.32	38.9	141.3	27.04	39.0
	40	200	90.6	20.89	48.0	99.8	24.58	48.9	107.5	27.42	49.7	115.1	28.76	50.3	118.4	29.33	50.6
	40	400	91.4	20.54	44.0	100.7	24.21	44.5	108.4	26.91	44.8	116.1	28.32	45.2	119.4	28.94	45.3
	40	600	92.7	19.91	42.7	102.1	23.38	43.0	110.0	26.13	43.3	117.7	27.41	43.5	121.1	28.24	43.6
	45	200	75.6	21.56	52.0	83.0	25.40	52.8	89.2	28.33	53.4	95.6	29.67	54.0	98.2	30.29	54.2
	45	400	76.3	21.21	48.5	83.7	24.97	48.9	89.9	27.80	49.2	96.4	29.32	49.5	99.0	29.89	49.6
	45	600	77.4	20.52	47.3	84.9	24.12	47.6	91.2	26.99	47.8	97.8	28.29	48.0	100.4	29.19	48.1
120	10	200	112.1	8.08	18.6	123.4	9.60	19.5	132.7	10.53	20.3	142.1	11.13	21.0	145.7	11.27	21.3
	10	400	112.1	7.55	14.3	123.4	8.96	14.7	132.7	10.01	15.1	142.1	10.50	15.5	145.7	10.52	15.6
	10	600	112.1	7.20	12.9	123.4	8.83	13.2	132.7	9.45	13.4	142.1	10.33	13.6	145.7	10.66	13.7
	15	200	110.9	10.51	23.7	121.7	12.40	24.6	131.0	13.84	25.4	140.4	14.50	26.1	144.1	14.75	26.4
	15	400	110.9	9.81	19.3	121.7	11.53	19.8	131.0	12.90	20.2	140.4	13.51	20.5	144.1	13.79	20.7
	15	600	110.9	9.47	17.9	121.7	11.23	18.2	131.0	12.42	18.4	140.4	13.05	18.7	144.1	13.46	18.8
	20	200	109.6	12.58	28.8	120.4	14.72	29.7	129.8	16.43	30.5	139.2	17.26	31.2	142.8	17.60	31.5
	20	400	109.6	12.31	24.4	120.4	14.46	24.8	129.8	16.20	25.2	139.2	17.01	25.6	142.8	17.31	25.7
	20	600	109.6	11.96	22.9	120.4	14.10	23.2	129.8	15.69	23.5	139.2	16.39	23.7	142.8	16.87	23.8
	25	200	109.6	15.79	34.0	120.4	18.57	35.0	129.8	20.61	35.8	139.2	21.71	36.5	142.8	22.08	36.8
	25	400	109.6	14.67	29.5	120.4	17.32	29.9	129.8	19.27	30.3	139.2	20.22	30.7	142.8	20.61	30.9
	25	600	109.6	14.14	28.0	120.4	16.71	28.3	129.8	18.64	28.5	139.2	19.56	28.8	142.8	20.04	28.9
	30	200	109.6	18.61	39.2	120.4	21.90	40.2	129.8	24.42	41.1	139.2	25.61	41.8	142.8	26.06	42.1
	30	400	109.6	18.30	34.6	120.4	21.50	35.1	129.8	23.99	35.5	139.2	25.21	35.9	142.8	25.69	36.0
	30	600	109.6	17.69	33.0	120.4	20.84	33.4	129.8	23.25	33.7	139.2	24.44	33.9	142.8	25.02	34.0
	35	200	105.3	19.63	44.0	116.1	23.15	45.0	125.1	25.79	45.8	133.7	27.00	46.5	137.3	27.52	46.8
	35	400	105.3	19.27	39.5	116.1	22.73	40.0	125.1	25.34	40.4	133.7	26.62	40.7	137.3	27.14	40.9
	35	600	105.3	18.70	38.0	116.1	22.06	38.3	125.1	24.50	38.6	133.7	25.74	38.8	137.3	26.44	38.9
	40	200	89.8	20.84	47.9	99.0	24.54	48.9	106.7	27.37	49.6	113.9	28.71	50.2	117.1	29.29	50.5
	40	400	90.6	20.49	44.0	99.8	24.17	44.4	107.6	26.87	44.8	114.8	28.23	45.1	118.1	28.85	45.3
	40	600	91.9	19.86	42.7	101.3	23.43	43.0	109.1	26.09	43.2	116.5	27.41	43.4	119.8	28.10	43.5
	45	200	76.4	21.89	52.0	84.6	25.82	52.9	91.2	28.79	53.6	97.2	30.16	54.1	99.8	30.79	54.4
	45	400	77.1	21.56	48.5	85.3	25.37	49.0	91.9	28.28	49.3	98.0	29.71	49.6	100.6	30.33	49.7
	45	600	78.2	20.83	47.4	86.5	24.61	47.7	93.3	27.42	47.9	99.4	28.82	48.1	102.1	29.45	48.1
110	10	200	105.8	7.58	18.1	116.3	9.05	19.0	125.3	9.96	19.7	134.3	10.53	20.4	137.5	10.65	20.6
	10	400	105.8	7.09	14.0	116.3	8.40	14.5	125.3	9.47	14.8	134.3	9.98	15.2	137.5	9.90	15.3
	10	600	105.8	6.86	12.7	116.3	8.25	13.0	125.3	9.03	13.2	134.3	9.77	13.4	137.5	9.98	13.5
	15	200	105.2	10.05	23.3	115.7	11.88	24.1	124.6	13.25	24.9	133.6	13.87	25.6	137.2	14.16	25.8
	15	400	105.2	9.39	19.1	115.7	11.03	19.5	124.6	12.34	19.9	133.6	12.96	20.3	137.2	13.19	20.4
	15	600	105.2	9.09	17.7	115.7	10.71	18.0	124.6	11.95	18.3	133.6	12.51	18.5	137.2	12.81	18.6
	20	200	104.9	12.14	28.4	115.4	14.22	29.3	124.3	15.89	30.0	133.0	16.64	30.7	136.6	16.98	31.0
	20	400	104.9	11.89	24.2	115.4	13.97	24.6	124.3	15.62	25.0	133.0	16.39	25.4	136.6	16.69	25.5
	20	600	104.9	11.54	22.8	115.4	13.59	23.1	124.3	15.15	23.3	133.0	15.87	23.6	136.6	16.20	23.6
	25	200	104.9	15.16	33.6	115.4	17.82	34.5	124.3	19.84	35.3	133.0	20.82	36.0	136.6	21.19	36.3
	25	400	104.9	14.13	29.3	115.4	16.62	29.7	124.3	18.50	30.1	133.0	19.41	30.5	136.6	19.76	30.6
	25	600	104.9	13.61	27.8	115.4	16.05	28.1	124.3	17.91	28.4	133.0	18.78	28.6	136.6	19.16	28.7
	30	200	104.9	18.06	38.8	115.4	21.24	39.8	124.3	23.69	40.6	133.0	24.85	41.3	136.6	25.30	41.6
	30	400	104.9	17.75	34.4	115.4	20.89	34.9	124.3	23.27	35.3	133.0	24.44	35.6	136.6	24.89	35.8
	30	600	104.9	17.19	32.9	115.4	20.26	33.2	124.3	22.57	33.5	133.0	23.68	33.7	136.6	24.18	33.8
	35	200	103.1	19.39	43.8	113.9	22.85	44.8	122.2	25.47	45.6	131.2	26.67	46.3	134.5	27.19	46.6
	35	400	103.1	19.05	39.4	113.9	22.45	39.9	122.2	25.04	40.3	131.2	26.24	40.6	134.5	26.76	40.8
	35	600	103.1	18.48	37.9	113.9	21.77	38.2	122.2	24.21	38.5	131.2	25.45	38.7	134.5	25.99	38.8
	40	200	90.2	21.15	48.0	99.5	24.90	48.9	106.9	27.74	49.7	114.6	29.10	50.3	117.9	29.68	50.6
	40	400	91.0	20.76	44.0	100.4	24.48	44.5	107.8	27.27	44.8	115.6	28.61	45.2	118.9	29.18	45.3
	40	600	92.3	20.12	42.7	101.8	23.73	43.0	109.4	26.43	43.2	117.3	27.76	43.5	120.6	28.35	43.6
	45	200	79.5	22.73	52.3	87.6	26.74	53.2	94.2	29.81	53.9	101.2	31.25	54.5	103.8	31.88	54.7
	45	400	80.2	22.29	48.7	88.3	26.27	49.1	95.0	29.27	49.5	102.0	30.80	49.8	104.7	31.35	49.9
	45	600	81.4	21.56	47.5	89.6	25.48	47.7	96.4	28.40	48.0	103.5	29.84	48.2	106.2	30.40	48.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	200	99.1	7.17	17.6	109.4	8.45	18.4	117.6	9.41	19.1	126.1	9.87	19.7	129.4	10.06	20.0
	10	400	99.1	6.68	13.8	109.4	7.91	14.2	117.6	8.96	14.5	126.1	9.36	14.9	129.4	9.36	15.0
	10	600	99.1	6.46	12.5	109.4	7.75	12.8	117.6	8.47	13.0	126.1	9.18	13.2	129.4	9.31	13.3
	15	200	99.1	9.57	22.8	109.4	11.27	23.6	117.6	12.56	24.3	126.1	13.18	25.0	129.4	13.42	25.2
	15	400	99.1	8.92	18.9	109.4	10.51	19.3	117.6	11.70	19.6	126.1	12.28	20.0	129.4	12.51	20.1
	15	600	99.1	8.62	17.6	109.4	10.15	17.9	117.6	11.31	18.1	126.1	11.87	18.3	129.4	12.09	18.4
	20	200	99.1	11.54	27.9	109.4	13.59	28.8	117.6	15.14	29.5	126.1	15.88	30.2	129.4	16.18	30.4
	20	400	99.1	11.34	24.0	109.4	13.36	24.4	117.6	14.88	24.7	126.1	15.61	25.1	129.4	15.90	25.2
	20	600	99.1	10.99	22.6	109.4	12.94	22.9	117.6	14.42	23.2	126.1	15.13	23.4	129.4	15.41	23.5
	25	200	99.1	14.38	33.1	109.4	16.93	34.1	117.6	18.86	34.8	126.1	19.79	35.5	129.4	20.16	35.7
	25	400	99.1	13.40	29.0	109.4	15.77	29.5	117.6	17.58	29.8	126.1	18.44	30.2	129.4	18.78	30.3
	25	600	99.1	12.95	27.7	109.4	15.25	28.0	117.6	16.99	28.2	126.1	17.82	28.4	129.4	18.16	28.5
	30	200	99.1	17.28	38.3	109.4	20.34	39.3	117.6	22.67	40.1	126.1	23.78	40.7	129.4	24.22	41.0
	30	400	99.1	16.98	34.2	109.4	20.00	34.6	117.6	22.28	35.0	126.1	23.37	35.4	129.4	23.81	35.5
	30	600	99.1	16.46	32.8	109.4	19.38	33.1	117.6	21.59	33.3	126.1	22.65	33.6	129.4	23.08	33.6
	35	200	99.1	18.77	43.4	109.4	22.11	44.4	117.6	24.63	45.2	126.1	25.84	45.9	129.4	26.32	46.2
	35	400	99.1	18.46	39.2	109.4	21.73	39.7	117.6	24.21	40.1	126.1	25.40	40.4	129.4	25.88	40.6
	35	600	99.1	17.89	37.8	109.4	21.06	38.1	117.6	23.46	38.4	126.1	24.62	38.6	129.4	25.08	38.7
	40	200	88.2	20.80	47.8	97.3	24.49	48.7	104.6	27.29	49.5	112.2	28.63	50.1	115.1	29.17	50.3
	40	400	88.9	20.45	43.9	98.1	24.08	44.4	105.5	26.82	44.7	113.1	28.14	45.1	116.0	28.67	45.2
	40	600	90.2	19.82	42.6	99.5	23.34	42.9	107.0	26.00	43.2	114.8	27.28	43.4	117.7	27.79	43.5
	45	200	79.2	22.64	52.3	87.4	26.66	53.2	93.9	29.70	53.9	100.7	31.16	54.5	103.3	31.75	54.7
	45	400	79.8	22.26	48.7	88.1	26.21	49.1	94.7	29.20	49.4	101.6	30.63	49.7	104.2	31.20	49.9
	45	600	81.0	21.57	47.4	89.4	25.40	47.7	96.1	28.30	48.0	103.1	29.69	48.2	105.7	30.24	48.2
90	10	200	89.4	6.27	16.9	98.7	7.38	17.6	106.1	8.23	18.2	113.8	8.63	18.8	116.7	8.79	19.0
	10	400	89.4	6.16	13.4	98.7	7.26	13.8	106.1	8.09	14.1	113.8	8.48	14.4	116.7	8.64	14.5
	10	600	89.4	5.97	12.3	98.7	7.04	12.5	106.1	7.84	12.7	113.8	8.22	12.9	116.7	8.38	13.0
	15	200	89.4	8.37	22.0	98.7	9.86	22.8	106.1	10.98	23.4	113.8	11.52	24.0	116.7	11.74	24.2
	15	400	89.4	8.23	18.5	98.7	9.69	18.9	106.1	10.79	19.2	113.8	11.33	19.5	116.7	11.54	19.6
	15	600	89.4	7.98	17.3	98.7	9.39	17.6	106.1	10.46	17.8	113.8	10.98	18.0	116.7	11.18	18.1
	20	200	89.4	10.09	27.1	98.7	11.88	27.9	106.1	13.24	28.6	113.8	13.89	29.2	116.7	14.15	29.4
	20	400	89.4	9.92	23.6	98.7	11.68	24.0	106.1	13.01	24.3	113.8	13.65	24.6	116.7	13.90	24.7
	20	600	89.4	9.61	22.4	98.7	11.32	22.6	106.1	12.61	22.8	113.8	13.23	23.0	116.7	13.48	23.1
	25	200	89.4	12.57	32.3	98.7	14.80	33.1	106.1	16.49	33.8	113.8	17.30	34.4	116.7	17.62	34.6
	25	400	89.4	12.36	28.6	98.7	14.55	29.1	106.1	16.21	29.4	113.8	17.01	29.7	116.7	17.32	29.8
	25	600	89.4	11.98	27.4	98.7	14.10	27.7	106.1	15.71	27.9	113.8	16.48	28.1	116.7	16.79	28.2
	30	200	89.4	15.11	37.5	98.7	17.79	38.3	106.1	19.82	39.0	113.8	20.79	39.6	116.7	21.18	39.9
	30	400	89.4	14.85	33.7	98.7	17.48	34.2	106.1	19.48	34.5	113.8	20.44	34.8	116.7	20.82	34.9
	30	600	89.4	14.39	32.5	98.7	16.95	32.8	106.1	18.88	33.0	113.8	19.81	33.2	116.7	20.18	33.3
	35	200	89.4	16.42	42.6	98.7	19.33	43.5	106.1	21.53	44.1	113.8	22.59	44.8	116.7	23.01	45.0
	35	400	89.4	16.14	38.8	98.7	19.00	39.2	106.1	21.17	39.6	113.8	22.21	39.9	116.7	22.62	40.0
	35	600	89.4	15.64	37.5	98.7	18.41	37.8	106.1	20.52	38.0	113.8	21.52	38.2	116.7	21.93	38.3
	40	200	79.5	18.19	47.0	87.8	21.42	47.8	94.4	23.86	48.5	101.2	25.03	49.0	103.8	25.50	49.3
	40	400	80.2	17.88	43.5	88.5	21.05	43.9	95.2	23.45	44.3	102.1	24.61	44.5	104.7	25.07	44.6
	40	600	81.4	17.33	42.4	89.8	20.40	42.6	96.5	22.73	42.8	103.6	23.85	43.0	106.2	24.29	43.1
	45	200	71.4	19.80	51.5	78.8	23.31	52.3	84.7	25.97	52.9	90.9	27.25	53.5	93.2	27.76	53.7
	45	400	72.0	19.46	48.3	79.5	22.91	48.7	85.5	25.53	49.0	91.7	26.78	49.2	94.0	27.28	49.3
	45	600	73.1	18.86	47.2	80.6	22.21	47.5	86.7	24.74	47.7	93.0	25.96	47.8	95.3	26.44	47.9
80	10	200	79.5	5.22	16.1	87.7	6.15	16.7	94.3	6.85	17.2	101.2	7.19	17.8	103.7	7.32	18.0
	10	400	79.5	5.13	13.0	87.7	6.04	13.4	94.3	6.73	13.6	101.2	7.06	13.9	103.7	7.20	14.0
	10	600	79.5	4.98	12.0	87.7	5.86	12.2	94.3	6.53	12.4	101.2	6.85	12.6	103.7	6.98	12.6
	15	200	79.5	6.97	21.2	87.7	8.21	21.9	94.3	9.14	22.4	101.2	9.59	22.9	103.7	9.77	23.1
	15	400	79.5	6.85	18.1	87.7	8.07	18.4	94.3	8.99	18.7	101.2	9.43	19.0	103.7	9.61	19.1
	15	600	79.5	6.64	17.1	87.7	7.82	17.3	94.3	8.71	17.5	101.2	9.14	17.6	103.7	9.31	17.7
	20	200	79.5	8.40	26.3	87.7	9.89	27.0	94.3	11.02	27.5	101.2	11.56	28.1	103.7	11.78	28.3
	20	400	79.5	8.26	23.1	87.7	9.72	23.5	94.3	10.83	23.8	101.2	11.36	24.0	103.7	11.58	24.1
	20	600	79.5	8.00	22.1	87.7	9.42	22.3	94.3	10.50	22.5	101.2	11.01	22.7	103.7	11.22	22.7
	25	200	79.5	10.47	31.4	87.7	12.32	32.2	94.3	13.73	32.7	101.2	14.41	33.3	103.7	14.67	33.5
	25	400	79.5	10.29	28.2	87.7	12.11	28.6	94.3	13.50	28.9	101.2	14.16	29.1	103.7	14.43	29.2
	25	600	79.5	9.97	27.1	87.7	11.74	27.4	94.3	13.08	27.6	101.2	13.72	27.7	103.7	13.98	27.8
	30	200	79.5	12.58	36.6	87.7	14.81	37.3	94.3	16.50	37.9	101.2	17.31	38.5	103.7	17.64	38.7
	30	400	79.5	12.36	33.3	87.7	14.56	33.7	94.3	16.22	34.0	101.2	17.02	34.2	103.7	17.34	34.3
	30	600	79.5	11.98	32.2	87.7	14.11	32.4	94.3	15.72	32.6	101.2	16.49	32.8	103.7	16.80	32.9
	35	200	79.5	13.67	41.7	87.7	16.09	42.4	94.3	17.93	43.0	101.2	18.81	43.6	103.7	19.16	43.8
	35	400	79.5	13.44	38.3	87.7	15.82	38.7	94.3	17.63	39.0	101.2	18.49	39.3	103.7	18.84	39.4
	35	600	79.5	13.02	37.2	87.7	15.33	37.5	94.3	17.08	37.7	101.2	17.92	37.8	103.7	18.26	37.9
	40	200	70.7	15.14	46.2	78.0	17.83	46.9	83.9	19.87	47.4	90.0	20.84	47.9	92.3	21.23	48.1
	40	400	71.3	14.89	43.1	78.7	17.53	43.4	84.6	19.53	43.7	90.7	20.49	44.0	93.0	20.87	44.1
	40	600	72.3	14.43	42.1	79.8	16.99	42.3	85.8	18.93	42.5	92.0	19.86	42.7	94.4	20.23	42.7
	45	200	63.5	16.48	50.7	70.1	19.41	51.4	75.3	21.62	51.9	80.8	22.69	52.4	82.8	23.11	52.6
	45	400	64.0	16.20	47.9	70.7	19.08	48.2	76.0	21.26	48.5	81.5	22.30	48.7	83.5	22.72	48.8
	45	600	64.9	15.70	46.9	71.7	18.49	47.2	77.0	20.60	47.3	82.6	21.61	47.5	84.7	22.02	47.6

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	200	69.5	4.36	15.3	76.7	5.13	15.9	82.4	5.72	16.3	88.4	6.00	16.8	90.7	6.11	16.9
	10	400	69.5	4.28	12.6	76.7	5.05	12.9	82.4	5.62	13.2	88.4	5.90	13.4	90.7	6.01	13.5
	10	600	69.5	4.15	11.8	76.7	4.89	11.9	82.4	5.45	12.1	88.4	5.72	12.2	90.7	5.82	12.3
	15	200	69.5	5.82	20.4	76.7	6.85	21.0	82.4	7.63	21.5	88.4	8.01	21.9	90.7	8.16	22.1
	15	400	69.5	5.72	17.7	76.7	6.73	18.0	82.4	7.50	18.2	88.4	7.87	18.5	90.7	8.02	18.5
	15	600	69.5	5.54	16.8	76.7	6.53	17.0	82.4	7.27	17.1	88.4	7.63	17.3	90.7	7.77	17.4
	20	200	69.5	7.01	25.5	76.7	8.26	26.1	82.4	9.20	26.6	88.4	9.65	27.0	90.7	9.83	27.2
	20	400	69.5	6.89	22.7	76.7	8.12	23.0	82.4	9.04	23.3	88.4	9.49	23.5	90.7	9.66	23.6
	20	600	69.5	6.68	21.8	76.7	7.87	22.0	82.4	8.76	22.2	88.4	9.19	22.3	90.7	9.37	22.4
	25	200	69.5	8.74	30.6	76.7	10.29	31.2	82.4	11.46	31.7	88.4	12.03	32.2	90.7	12.25	32.4
	25	400	69.5	8.59	27.8	76.7	10.11	28.1	82.4	11.27	28.4	88.4	11.82	28.6	90.7	12.04	28.7
	25	600	69.5	8.32	26.9	76.7	9.80	27.1	82.4	10.92	27.2	88.4	11.46	27.4	90.7	11.67	27.4
	30	200	69.5	10.50	35.7	76.7	12.36	36.4	82.4	13.77	36.9	88.4	14.45	37.4	90.7	14.72	37.6
	30	400	69.5	10.32	32.9	76.7	12.15	33.2	82.4	13.54	33.4	88.4	14.21	33.7	90.7	14.47	33.8
	30	600	69.5	10.00	31.9	76.7	11.78	32.1	82.4	13.12	32.3	88.4	13.77	32.4	90.7	14.03	32.5
	35	200	69.5	11.41	40.8	76.7	13.43	41.5	82.4	14.97	42.0	88.4	15.70	42.5	90.7	16.00	42.6
	35	400	69.5	11.22	37.9	76.7	13.21	38.2	82.4	14.71	38.5	88.4	15.44	38.7	90.7	15.72	38.8
	35	600	69.5	10.87	36.9	76.7	12.80	37.1	82.4	14.26	37.3	88.4	14.96	37.5	90.7	15.24	37.5
	40	200	61.8	12.64	45.3	68.2	14.89	46.0	73.3	16.58	46.4	78.6	17.40	46.9	80.6	17.72	47.0
	40	400	62.3	12.43	42.7	68.8	14.63	43.0	73.9	16.30	43.2	79.3	17.10	43.5	81.3	17.42	43.5
	40	600	63.2	12.04	41.8	69.8	14.18	42.0	75.0	15.80	42.2	80.4	16.58	42.3	82.5	16.89	42.4
	45	200	55.5	13.76	50.0	61.2	16.20	50.6	65.8	18.05	51.0	70.6	18.94	51.4	72.4	19.29	51.6
	45	400	56.0	13.53	47.5	61.8	15.93	47.8	66.4	17.74	48.0	71.2	18.62	48.2	73.0	18.96	48.3
	45	600	56.8	13.11	46.7	62.6	15.44	46.9	67.3	17.20	47.0	72.2	18.04	47.2	74.1	18.38	47.2
60	10	200	59.3	3.44	14.5	65.5	4.05	15.0	70.4	4.51	15.4	75.5	4.73	15.7	77.4	4.82	15.9
	10	400	59.3	3.38	12.2	65.5	3.98	12.5	70.4	4.43	12.7	75.5	4.65	12.9	77.4	4.74	12.9
	10	600	59.3	3.28	11.5	65.5	3.86	11.7	70.4	4.30	11.8	75.5	4.51	11.9	77.4	4.59	12.0
	15	200	59.3	4.59	19.6	65.5	5.40	20.1	70.4	6.02	20.5	75.5	6.32	20.9	77.4	6.44	21.0
	15	400	59.3	4.51	17.3	65.5	5.31	17.5	70.4	5.92	17.7	75.5	6.21	17.9	77.4	6.33	18.0
	15	600	59.3	4.37	16.5	65.5	5.15	16.7	70.4	5.74	16.8	75.5	6.02	16.9	77.4	6.13	17.0
	20	200	59.3	5.53	24.6	65.5	6.51	25.2	70.4	7.26	25.6	75.5	7.61	26.0	77.4	7.76	26.1
	20	400	59.3	5.44	22.3	65.5	6.40	22.6	70.4	7.13	22.8	75.5	7.48	23.0	77.4	7.62	23.0
	20	600	59.3	5.27	21.5	65.5	6.21	21.7	70.4	6.91	21.8	75.5	7.25	22.0	77.4	7.39	22.0
	25	200	59.3	6.89	29.7	65.5	8.12	30.3	70.4	9.04	30.7	75.5	9.49	31.1	77.4	9.66	31.2
	25	400	59.3	6.78	27.4	65.5	7.98	27.6	70.4	8.89	27.8	75.5	9.32	28.0	77.4	9.50	28.1
	25	600	59.3	6.57	26.6	65.5	7.73	26.7	70.4	8.61	26.9	75.5	9.04	27.0	77.4	9.21	27.1
	30	200	59.3	8.28	34.8	65.5	9.75	35.4	70.4	10.87	35.8	75.5	11.40	36.2	77.4	11.61	36.4
	30	400	59.3	8.14	32.4	65.5	9.59	32.7	70.4	10.68	32.9	75.5	11.21	33.1	77.4	11.42	33.2
	30	600	59.3	7.89	31.6	65.5	9.29	31.8	70.4	10.35	31.9	75.5	10.86	32.1	77.4	11.06	32.1
	35	200	59.3	9.00	39.9	65.5	10.60	40.5	70.4	11.81	40.9	75.5	12.39	41.3	77.4	12.62	41.5
	35	400	59.3	8.85	37.4	65.5	10.42	37.7	70.4	11.61	37.9	75.5	12.18	38.1	77.4	12.40	38.2
	35	600	59.3	8.57	36.6	65.5	10.10	36.8	70.4	11.25	36.9	75.5	11.80	37.1	77.4	12.02	37.1
	40	200	52.7	9.97	44.5	58.2	11.74	45.0	62.6	13.08	45.4	67.1	13.72	45.8	68.8	13.98	45.9
	40	400	53.2	9.80	42.3	58.7	11.54	42.5	63.1	12.86	42.7	67.7	13.49	42.9	69.4	13.74	43.0
	40	600	53.9	9.50	41.5	59.6	11.19	41.7	64.0	12.46	41.8	68.7	13.08	42.0	70.4	13.32	42.0
	45	200	47.4	10.85	49.2	52.3	12.78	49.7	56.2	14.24	50.0	60.3	14.94	50.4	61.8	15.22	50.5
	45	400	47.8	10.67	47.1	52.7	12.56	47.3	56.7	14.00	47.5	60.8	14.68	47.7	62.3	14.96	47.8
	45	600	48.4	10.34	46.4	53.5	12.18	46.6	57.5	13.57	46.7	61.7	14.23	46.8	63.2	14.50	46.9
50	10	200	49.7	2.56	13.7	54.9	3.01	14.1	59.0	3.35	14.5	63.3	3.52	14.8	64.9	3.58	14.9
	10	400	49.7	2.51	11.9	54.9	2.96	12.1	59.0	3.30	12.2	63.3	3.46	12.4	64.9	3.52	12.5
	10	600	49.7	2.44	11.2	54.9	2.87	11.4	59.0	3.20	11.5	63.3	3.35	11.6	64.9	3.41	11.6
	15	200	49.7	3.41	18.8	54.9	4.02	19.2	59.0	4.48	19.5	63.3	4.70	19.9	64.9	4.78	20.0
	15	400	49.7	3.35	16.9	54.9	3.95	17.1	59.0	4.40	17.3	63.3	4.62	17.4	64.9	4.70	17.5
	15	600	49.7	3.25	16.3	54.9	3.83	16.4	59.0	4.26	16.5	63.3	4.47	16.6	64.9	4.56	16.7
	20	200	49.7	4.11	23.9	54.9	4.84	24.3	59.0	5.39	24.6	63.3	5.66	24.9	64.9	5.77	25.1
	20	400	49.7	4.04	21.9	54.9	4.76	22.1	59.0	5.30	22.3	63.3	5.56	22.5	64.9	5.67	22.5
	20	600	49.7	3.92	21.3	54.9	4.61	21.4	59.0	5.14	21.5	63.3	5.39	21.6	64.9	5.49	21.7
	25	200	49.7	5.12	28.9	54.9	6.03	29.4	59.0	6.72	29.7	63.3	7.05	30.0	64.9	7.18	30.2
	25	400	49.7	5.04	27.0	54.9	5.93	27.2	59.0	6.61	27.4	63.3	6.93	27.5	64.9	7.06	27.6
	25	600	49.7	4.88	26.3	54.9	5.75	26.4	59.0	6.40	26.6	63.3	6.72	26.7	64.9	6.84	26.7
	30	200	49.7	6.16	34.0	54.9	7.25	34.5	59.0	8.08	34.8	63.3	8.47	35.1	64.9	8.63	35.3
	30	400	49.7	6.05	32.0	54.9	7.13	32.2	59.0	7.94	32.4	63.3	8.33	32.6	64.9	8.49	32.6
	30	600	49.7	5.87	31.3	54.9	6.91	31.5	59.0	7.70	31.6	63.3	8.07	31.7	64.9	8.23	31.7
	35	200	49.7	6.69	39.0	54.9	7.88	39.5	59.0	8.78	39.9	63.3	9.21	40.2	64.9	9.38	40.3
	35	400	49.7	6.58	37.0	54.9	7.74	37.2	59.0	8.63	37.4	63.3	9.05	37.6	64.9	9.22	37.7
	35	600	49.7	6.37	36.3	54.9	7.51	36.5	59.0	8.36	36.6	63.3	8.77	36.7	64.9	8.94	36.8
	40	200	44.2	7.41	43.7	48.8	8.73	44.1	52.5	9.73	44.5	56.3	10.20	44.8	57.7	10.39	44.9
	40	400	44.6	7.29	41.9	49.2	8.58	42.1	52.9	9.56	42.2	56.8	10.03	42.4	58.2	10.22	42.5
	40	600	45.2	7.06	41.2	49.9	8.32	41.4	53.7	9.27	41.5	57.6	9.72	41.6	59.0	9.90	41.6
	45	200	39.7	8.07	48.4	43.8	9.50	48.8	47.1	10.59	49.1	50.5	11.11	49.4	51.8	11.31	49.5
	45	400	40.1	7.93	46.7	44.2	9.34	46.9	47.5	10.41	47.1	51.0	10.92	47.2	52.3	11.12	47.3
	45	600	40.6	7.69	46.2	44.8	9.05	46.3	48.2	10.09	46.4	51.7	10.58	46.5	53.0	10.78	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	200	159.3	35.25	-3.9	156.8	33.66	-3.8	151.8	32.79	-3.5	142.6	30.39	-3.0	137.5	28.09	-2.8
	5	400	164.0	34.99	0.4	160.2	33.91	0.5	154.9	33.32	0.6	145.0	30.80	0.9	139.5	28.47	1.0
	5	600	165.2	36.22	1.9	161.4	35.04	2.0	155.7	33.94	2.1	146.2	31.45	2.3	141.1	29.55	2.3
	10	200	160.2	31.55	0.8	157.3	30.12	0.9	151.9	29.58	1.2	142.6	27.39	1.7	137.5	25.47	2.0
	10	400	164.0	31.29	5.2	160.2	30.20	5.3	154.9	29.78	5.5	145.0	27.32	5.8	139.5	25.45	5.9
	10	600	165.2	31.93	6.8	161.9	30.87	6.9	156.6	29.95	7.0	146.2	27.51	7.2	141.1	25.96	7.3
	15	200	161.1	28.21	5.5	158.2	26.75	5.6	155.9	26.90	5.8	144.8	24.40	6.4	138.8	22.95	6.7
	15	400	166.0	27.07	10.0	162.7	26.29	10.1	161.0	26.69	10.2	149.6	23.71	10.5	142.7	22.15	10.7
	15	600	167.3	28.04	11.7	165.2	27.21	11.7	163.9	26.69	11.7	152.0	23.64	11.9	145.8	23.10	12.1
	20	200	166.9	25.94	9.9	164.0	24.51	10.0	161.8	24.33	10.1	150.4	21.79	10.8	143.5	21.63	11.3
	20	400	172.3	24.94	14.7	169.3	24.56	14.8	166.3	25.39	14.9	155.2	22.48	15.2	148.6	21.72	15.5
	20	600	173.5	25.22	16.5	171.0	24.42	16.5	169.8	24.50	16.5	157.2	22.02	16.8	150.2	21.71	16.9
	25	200	174.7	24.80	14.3	170.6	23.81	14.5	168.9	23.71	14.6	158.1	21.57	15.2	151.8	20.62	15.6
	25	400	174.7	24.42	19.6	170.6	23.64	19.7	168.9	23.28	19.8	158.1	21.23	20.1	151.8	20.73	20.3
	25	600	174.8	23.91	21.4	170.6	22.72	21.5	168.9	22.78	21.5	158.1	21.38	21.7	151.8	19.43	21.8
	30	200	174.8	24.09	19.2	170.6	22.69	19.4	168.9	22.74	19.5	158.1	20.28	20.1	151.8	20.47	20.6
	30	400	174.8	23.28	24.6	170.6	22.52	24.7	168.9	22.19	24.7	158.1	20.46	25.1	151.8	19.12	25.2
	30	600	174.8	22.78	26.4	170.6	21.60	26.4	168.9	21.64	26.5	158.1	19.11	26.7	151.8	19.93	26.9
	35	200	174.8	22.95	24.1	170.6	21.94	24.3	168.9	21.86	24.5	158.1	19.54	25.1	151.8	18.29	25.4
	35	400	174.8	22.19	29.5	170.6	21.44	29.7	168.9	21.43	29.7	158.1	19.32	30.0	151.8	17.87	30.2
	35	600	174.8	22.19	31.4	170.6	21.07	31.4	168.9	20.84	31.5	158.1	18.77	31.7	151.8	17.41	31.8
	40	200	174.8	22.19	29.1	170.6	21.19	29.3	168.9	21.06	29.4	158.1	18.81	30.0	151.8	18.03	30.4
	40	400	174.8	21.43	34.5	170.6	20.65	34.6	168.9	20.34	34.7	158.1	18.13	35.0	151.8	17.35	35.2
	40	600	174.8	20.84	36.3	170.6	20.15	36.4	168.9	20.34	36.4	158.1	18.13	36.7	151.8	17.35	36.8
	45	200	174.8	21.43	34.0	170.6	20.49	34.2	168.9	20.34	34.3	158.1	17.94	35.0	151.8	17.84	35.4
	45	400	174.8	20.71	39.5	170.6	19.95	39.6	168.9	19.20	39.6	158.1	16.78	39.9	151.8	16.81	40.2
	45	600	174.8	19.53	41.3	170.6	19.20	41.4	168.9	19.79	41.4	158.1	17.28	41.6	151.8	17.37	41.8
120	5	200	151.8	34.97	-3.4	149.3	33.52	-3.3	144.4	32.56	-3.0	135.9	29.95	-2.6	130.1	27.67	-2.3
	5	400	155.6	35.46	0.7	152.2	34.19	0.8	146.1	33.32	1.0	137.5	30.58	1.2	131.7	28.00	1.3
	5	600	156.8	35.79	2.1	150.9	34.56	2.2	147.0	33.94	2.3	138.3	31.18	2.4	132.5	28.60	2.5
	10	200	152.7	31.29	1.3	149.7	29.99	1.4	144.4	29.37	1.8	135.9	27.00	2.2	130.1	25.09	2.5
	10	400	155.6	31.72	5.6	152.2	30.45	5.6	146.1	29.78	5.8	137.5	27.12	6.0	131.7	25.03	6.2
	10	600	156.8	31.55	7.0	151.4	30.45	7.1	147.9	29.95	7.2	138.3	27.27	7.3	132.5	25.12	7.4
	15	200	153.5	27.70	6.0	150.2	26.50	6.1	148.2	26.48	6.3	138.0	24.04	6.8	131.3	22.56	7.2
	15	400	156.8	27.96	10.4	153.9	26.75	10.4	151.6	26.69	10.5	141.2	23.71	10.8	134.0	21.84	11.0
	15	600	158.0	27.32	11.9	153.9	26.37	12.0	153.3	26.69	12.0	142.8	23.64	12.2	135.6	21.84	12.3
	20	200	157.6	24.88	10.5	154.7	23.55	10.6	152.0	23.27	10.8	141.6	21.08	11.4	134.4	21.00	11.9
	20	400	161.8	24.60	15.1	158.4	24.05	15.2	155.0	24.73	15.3	144.8	21.73	15.6	138.0	20.48	15.8
	20	600	162.6	24.54	16.7	158.0	23.63	16.8	157.5	23.70	16.8	146.4	21.29	17.0	139.2	20.60	17.2
	25	200	164.3	23.45	14.9	159.3	22.05	15.2	156.6	21.97	15.3	146.4	19.84	15.9	140.3	18.91	16.3
	25	400	164.7	23.11	19.9	159.3	21.93	20.1	156.6	21.84	20.2	146.4	19.46	20.5	140.3	19.02	20.7
	25	600	165.5	21.80	21.6	159.3	21.06	21.7	156.6	21.25	21.8	146.4	20.12	22.0	140.3	17.78	22.1
	30	200	165.1	22.31	19.8	159.3	20.98	20.1	156.6	20.71	20.3	146.4	18.19	20.8	140.3	18.33	21.3
	30	400	165.1	21.59	24.9	159.3	20.48	25.0	156.6	20.33	25.1	146.4	18.32	25.4	140.3	17.08	25.6
	30	600	165.1	20.53	26.5	159.3	19.77	26.7	156.6	19.73	26.7	146.4	17.58	26.9	140.3	17.80	27.1
	35	200	165.1	21.21	24.7	159.3	19.86	25.0	156.6	19.57	25.2	146.4	17.46	25.8	140.3	16.23	26.1
	35	400	165.1	19.99	29.8	159.3	19.11	30.0	156.6	18.81	30.1	146.4	16.83	30.4	140.3	15.55	30.5
	35	600	165.1	19.65	31.5	159.3	18.90	31.6	156.6	18.81	31.7	146.4	16.83	31.9	140.3	15.55	32.0
	40	200	165.1	20.45	29.6	159.3	18.90	29.9	156.6	18.43	30.1	146.4	16.34	30.7	140.3	15.61	31.1
	40	400	165.1	18.89	34.8	159.3	18.03	34.9	156.6	17.67	35.0	146.4	15.70	35.3	140.3	14.93	35.5
	40	600	165.1	18.51	36.5	159.3	17.65	36.6	156.6	17.67	36.7	146.4	15.70	36.9	140.3	14.93	37.0
	45	200	165.1	19.74	34.6	159.3	17.94	34.9	156.6	17.33	35.0	146.4	15.15	35.6	140.3	14.99	36.0
	45	400	165.1	17.75	39.7	159.3	16.90	39.9	156.6	16.53	40.0	146.4	14.39	40.3	140.3	14.31	40.5
	45	600	165.1	17.41	41.5	159.3	16.44	41.6	156.6	16.53	41.7	146.4	14.39	41.8	140.3	14.31	42.0
110	5	200	145.2	35.35	-2.9	142.0	33.66	-2.8	136.7	32.66	-2.5	129.2	29.95	-2.1	122.6	27.67	-1.8
	5	400	148.1	35.60	1.0	143.7	34.19	1.1	138.0	33.32	1.2	130.0	30.58	1.4	123.4	28.00	1.6
	5	600	149.4	36.13	2.3	144.5	34.56	2.4	138.5	33.65	2.5	130.0	30.87	2.6	123.8	28.60	2.7
	10	200	146.0	31.63	1.8	142.4	30.12	2.0	136.7	29.45	2.3	129.2	27.00	2.7	122.6	25.09	3.0
	10	400	148.1	31.84	5.8	143.7	30.45	5.9	138.0	29.78	6.1	130.0	27.12	6.3	123.4	25.03	6.5
	10	600	149.4	31.84	7.2	144.9	30.45	7.3	139.3	29.70	7.4	130.0	27.00	7.5	123.8	25.12	7.6
	15	200	146.5	27.87	6.5	142.9	26.75	6.7	140.4	26.69	6.9	131.2	24.04	7.3	123.7	22.56	7.8
	15	400	148.9	27.70	10.7	144.9	26.75	10.8	142.1	26.69	10.9	132.4	23.71	11.1	125.2	21.84	11.3
	15	600	150.2	27.45	12.1	145.8	26.37	12.1	143.3	26.14	12.2	133.2	23.13	12.4	125.6	21.84	12.5
	20	200	149.4	24.16	11.0	145.3	23.17	11.2	142.5	22.93	11.4	132.4	20.73	12.0	125.2	20.32	12.5
	20	400	152.7	24.06	15.4	147.0	23.30	15.6	143.6	23.91	15.7	134.4	21.06	15.9	126.8	19.52	16.2
	20	600	153.9	24.33	16.9	149.1	23.17	17.0	145.4	22.94	17.1	135.2	20.09	17.3	128.0	19.51	17.4
	25	200	153.5	21.88	15.6	148.7	20.72	15.8	145.0	20.70	16.1	135.2	18.43	16.6	128.4	17.23	17.0
	25	400	154.7	21.75	20.2	148.7	20.39	20.4	145.0	20.32	20.5	135.2	18.09	20.8	128.4	17.27	21.0
	25	600	156.0	21.75	21.8	148.7	20.51	21.9	145.0	19.73	22.0	135.2	18.71	22.2	128.4	16.14	22.3
	30	200	155.6	19.89	20.3	148.7	18.89	20.7	145.0	18.42	20.9	135.2	16.49	21.5	128.4	15.87	21.9
	30	400	155.6	19.56	25.1	148.7	18.52	25.3	145.0	18.04	25.5	135.2	16.54	25.7	128.4	15.00	25.9
	30	600	155.6	19.35	26.7	148.7	17.97	26.9	145.0	17.45	27.0	135.2	15.41	27.1	128.4	15.64	27.3
	35	200	155.6	18.80	25.2	148.7	17.39	25.6	145.0	16.94	25.8	135.2	15.02	26.4	128.4	13.87	26.8
	35	400	155.6	18.04	30.1	148.7	17.06	30.3	145.0	16.52	30.4	135.2	14.74	30.7	128.4	13.50	30.9
	35	600	155.6	17.36	31.7	148.7	16.48	31.8	145.0	16.01	31.9	135.2	14.74	32.1	128.4	13.50	32.3
	40	200	155.6	17.66	30.1	148.7	16.69	30.5	145.0	15.80	30.7	135.2	13.91	31.3	128.4	13.15	31.7
	40	400	155.6	16.94	35.0	148.7	15.94	35.2	145.0	15.04	35.3	135.2	13.58	35.6	128.4	12.86	35.9
	40	600	155.6	16.56	36.7	148.7	15.35	36.8	145.0	15.04	36.9	135.2	13.03	37.1	128.4	12.31	37.2
	45	200	155.6	16.52	35.0	148.7	15.94	35.5	145.0	14.66	35.7	135.2	12.78	36.2	128.4	12.46	36.7
	45	400	155.6	15.80	40.0	148.7	14.82	40.2	145.0	13.52	40.3	135.2	12.31	40.6	128.4	12.18	40.8
	45	600	155.6	15.80	41.7	148.7	14.23	41.8	145.0	14.12	41.9	135.2	11.31	42.0	128.4	11.05	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	200	138.6	35.45	-2.4	133.6	34.09	-2.1	128.8	32.75	-1.9	121.6	30.04	-1.6	114.8	27.33	-1.3
	5	400	140.7	36.09	1.3	134.9	34.67	1.4	129.3	33.42	1.6	121.6	30.67	1.7	114.8	27.87	1.9
	5	600	141.9	36.43	2.5	135.3	35.05	2.6	129.0	33.75	2.7	121.6	30.96	2.8	114.8	28.12	2.9
	10	200	139.4	31.73	2.3	134.0	30.50	2.6	128.9	29.54	2.9	121.6	27.08	3.2	114.8	24.78	3.5
	10	400	140.7	32.28	6.1	134.9	30.88	6.3	129.3	29.87	6.4	121.6	27.20	6.6	114.8	24.91	6.8
	10	600	141.9	32.11	7.4	135.7	30.88	7.5	129.8	29.79	7.6	121.6	27.08	7.7	114.8	24.70	7.8
	15	200	139.8	27.96	7.0	134.9	26.95	7.3	132.3	26.77	7.4	123.5	24.12	7.9	115.8	22.28	8.3
	15	400	140.7	28.51	11.0	134.9	27.04	11.1	132.3	26.77	11.2	123.5	23.78	11.4	115.8	21.91	11.6
	15	600	142.3	27.79	12.3	136.1	26.70	12.4	132.3	26.22	12.5	123.5	23.20	12.6	115.8	21.36	12.7
	20	200	141.1	23.89	11.6	135.3	22.86	11.9	132.3	22.62	12.1	123.5	20.44	12.6	115.8	19.32	13.1
	20	400	143.1	24.09	15.7	135.7	23.07	16.0	132.3	22.62	16.1	123.5	20.44	16.3	115.8	18.57	16.5
	20	600	144.4	23.68	17.1	137.8	22.66	17.3	132.3	22.03	17.4	123.5	19.49	17.5	115.8	18.02	17.7
	25	200	142.7	20.84	16.3	137.3	19.74	16.6	132.3	19.23	16.9	123.5	17.11	17.4	115.8	15.60	17.8
	25	400	144.8	20.88	20.6	137.3	19.32	20.8	132.3	18.85	20.9	123.5	16.73	21.2	115.8	15.60	21.4
	25	600	146.0	20.21	22.0	137.3	19.11	22.2	132.3	18.30	22.3	123.5	16.73	22.4	115.8	15.02	22.6
	30	200	145.6	18.85	20.9	137.3	17.11	21.4	132.3	16.22	21.7	123.5	14.48	22.2	115.8	13.77	22.7
	30	400	145.6	18.47	25.4	137.3	16.73	25.7	132.3	16.05	25.8	123.5	14.48	26.1	115.8	13.35	26.3
	30	600	145.6	17.92	26.9	137.3	16.73	27.1	132.3	15.72	27.2	123.5	13.89	27.4	115.8	13.35	27.6
	35	200	145.6	17.37	25.8	137.3	15.60	26.3	132.3	14.32	26.5	123.5	12.98	27.1	115.8	11.85	27.5
	35	400	145.6	16.56	30.4	137.3	14.85	30.6	132.3	14.15	30.8	123.5	12.64	31.0	115.8	11.52	31.3
	35	600	145.6	16.56	31.9	137.3	14.85	32.1	132.3	13.85	32.2	123.5	12.64	32.4	115.8	11.52	32.5
	40	200	145.6	16.22	30.7	137.3	14.48	31.2	132.3	12.83	31.4	123.5	11.52	32.0	115.8	10.76	32.5
	40	400	145.6	15.46	35.3	137.3	13.77	35.6	132.3	12.67	35.7	123.5	11.14	36.0	115.8	10.43	36.2
	40	600	145.6	14.91	36.9	137.3	13.77	37.0	132.3	12.33	37.1	123.5	11.14	37.3	115.8	10.43	37.5
	45	200	145.6	15.08	35.6	137.3	13.35	36.1	132.3	11.31	36.3	123.5	10.01	36.9	115.8	9.64	37.4
	45	400	145.6	14.32	40.3	137.3	12.64	40.5	132.3	11.14	40.7	123.5	9.64	40.9	115.8	9.30	41.2
	45	600	145.6	13.22	41.8	137.3	12.64	42.0	132.3	10.80	42.1	123.5	9.64	42.3	115.8	9.30	42.5
90	5	200	124.4	32.84	-1.6	120.3	31.01	-1.4	116.6	29.28	-1.3	107.1	26.90	-0.7	98.3	24.12	-0.3
	5	400	125.3	33.44	1.7	119.9	31.61	1.8	116.6	29.85	1.9	107.1	27.46	2.1	98.3	24.60	2.4
	5	600	126.1	33.74	2.8	120.7	31.91	2.9	116.6	30.19	2.9	107.1	27.72	3.1	98.3	24.90	3.2
	10	200	125.3	28.89	3.1	120.7	27.48	3.3	116.6	26.42	3.5	107.1	24.25	4.1	98.3	21.91	4.5
	10	400	124.9	28.97	6.6	120.3	27.61	6.7	116.6	26.51	6.8	107.1	24.16	7.0	98.3	21.95	7.3
	10	600	126.1	28.89	7.7	120.7	27.48	7.8	116.6	26.42	7.8	107.1	24.29	8.0	98.3	22.08	8.2
	15	200	125.7	24.93	7.8	121.2	23.99	8.0	116.6	23.56	8.3	109.2	21.60	8.7	103.8	19.70	9.0
	15	400	124.9	24.50	11.4	120.3	23.61	11.5	116.6	23.17	11.7	109.2	20.87	11.8	103.8	19.30	12.0
	15	600	126.1	23.99	12.6	120.7	23.10	12.7	116.6	22.56	12.8	109.2	20.87	12.9	103.8	19.30	13.0
	20	200	126.5	21.10	12.4	121.6	20.46	12.8	116.6	20.09	13.1	109.2	18.52	13.5	103.8	17.40	13.8
	20	400	126.1	21.10	16.2	120.7	20.21	16.4	118.9	20.08	16.5	109.2	17.79	16.7	103.8	16.62	16.9
	20	600	126.5	20.59	17.5	121.2	19.99	17.6	118.9	20.08	17.6	109.2	17.79	17.8	103.8	16.62	17.9
	25	200	129.0	18.42	17.1	123.2	17.44	17.4	118.9	17.30	17.7	109.2	15.44	18.3	103.8	14.32	18.6
	25	400	130.2	18.25	21.0	123.2	17.27	21.2	118.9	16.94	21.3	109.2	15.05	21.6	103.8	13.88	21.8
	25	600	131.0	17.53	22.3	123.2	16.68	22.5	118.9	16.94	22.6	109.2	15.05	22.8	103.8	13.88	22.9
	30	200	130.6	16.63	21.8	123.2	15.53	22.3	118.9	14.95	22.5	109.2	13.49	23.1	103.8	12.32	23.4
	30	400	130.6	16.29	25.9	123.2	15.15	26.1	118.9	14.60	26.3	109.2	13.14	26.6	103.8	12.32	26.7
	30	600	130.6	15.70	27.3	123.2	14.55	27.4	118.9	14.60	27.5	109.2	13.14	27.7	103.8	11.80	27.8
	35	200	130.6	15.15	26.7	123.2	14.04	27.2	118.9	13.40	27.4	109.2	11.97	28.0	103.8	11.19	28.4
	35	400	130.6	15.44	30.9	123.2	13.61	31.1	118.9	13.01	31.2	109.2	11.58	31.5	103.8	11.19	31.7
	35	600	130.6	14.17	32.2	123.2	13.88	32.4	118.9	12.39	32.5	109.2	11.58	32.7	103.8	11.19	32.8
	40	200	130.6	14.04	31.6	123.2	12.89	32.1	118.9	11.81	32.3	109.2	10.85	33.0	103.8	10.02	33.3
	40	400	130.6	13.23	35.8	123.2	12.51	36.0	118.9	11.41	36.1	109.2	10.41	36.5	103.8	9.67	36.6
	40	600	130.6	13.23	37.2	123.2	12.51	37.4	118.9	11.41	37.4	109.2	10.41	37.6	103.8	10.02	37.8
	45	200	130.6	12.89	36.6	123.2	11.74	37.0	118.9	10.22	37.2	109.2	9.67	37.9	103.8	8.85	38.2
	45	400	130.6	11.74	40.7	123.2	11.36	41.0	118.9	9.86	41.1	109.2	9.28	41.4	103.8	8.50	41.6
	45	600	130.6	13.49	42.2	123.2	11.95	42.3	118.9	10.40	42.4	109.2	9.28	42.6	103.8	8.50	42.7
80	5	200	118.3	26.99	-1.5	110.8	25.49	-1.1	106.9	24.13	-0.9	98.8	22.10	-0.5	90.7	19.82	-0.1
	5	400	118.3	27.48	1.7	110.8	25.97	2.0	107.0	24.60	2.0	98.8	22.57	2.3	90.7	20.21	2.5
	5	600	118.3	27.72	2.8	110.8	26.22	3.0	106.9	24.88	3.0	98.8	22.78	3.2	90.7	20.46	3.3
	10	200	118.3	23.74	3.2	110.8	22.58	3.7	106.9	21.77	3.9	98.8	19.93	4.3	90.7	18.00	4.8
	10	400	118.3	23.81	6.6	110.8	22.69	6.8	107.0	21.88	7.0	98.8	19.86	7.2	90.7	18.04	7.4
	10	600	118.3	23.74	7.7	110.8	22.58	7.9	107.1	21.81	8.0	98.8	19.96	8.1	90.7	18.15	8.3
	15	200	118.3	20.49	8.0	110.8	19.72	8.5	107.6	19.48	8.7	99.3	17.75	9.2	93.6	16.18	9.5
	15	400	118.3	20.14	11.5	110.8	19.40	11.7	107.6	19.23	11.8	99.3	17.15	12.1	93.6	15.86	12.2
	15	600	118.3	19.72	12.6	110.8	18.98	12.8	107.6	18.76	12.9	99.3	17.15	13.0	93.6	15.86	13.1
	20	200	118.3	17.34	12.8	110.8	16.82	13.3	107.6	16.58	13.5	99.3	15.22	14.0	93.6	14.30	14.3
	20	400	118.3	17.34	16.4	110.8	16.61	16.6	107.6	16.83	16.7	99.3	14.62	17.0	93.6	13.65	17.1
	20	600	118.3	16.92	17.6	110.8	16.43	17.7	107.6	16.73	17.8	99.3	14.62	18.0	93.6	13.65	18.1
	25	200	119.0	15.14	17.6	111.3	14.33	18.0	107.6	14.23	18.3	99.3	12.69	18.8	93.6	11.76	19.1
	25	400	119.0	15.00	21.3	111.3	14.19	21.5	107.6	13.95	21.6	99.3	12.37	21.9	93.6	11.41	22.1
	25	600	119.0	14.40	22.5	111.3	13.70	22.7	107.6	13.85	22.8	99.3	12.37	22.9	93.6	11.41	23.0
	30	200	119.0	13.67	22.5	111.3	12.76	22.9	107.6	12.24	23.2	99.3	11.09	23.7	93.6	10.12	24.0
	30	400	119.0	13.39	26.2	111.3	12.45	26.5	107.6	11.98	26.6	99.3	10.80	26.8	93.6	10.12	27.0
	30	600	119.0	12.90	27.5	111.3	11.96	27.6	107.6	11.93	27.7	99.3	10.80	27.9	93.6	9.70	28.0
	35	200	119.0	12.45	27.4	111.3	11.54	27.8	107.6	10.93	28.1	99.3	9.84	28.6	93.6	9.20	29.0
	35	400	119.0	12.69	31.2	111.3	11.19	31.4	107.6	10.65	31.5	99.3	9.52	31.8	93.6	9.20	32.0
	35	600	119.0	11.64	32.4	111.3	11.41	32.6	107.6	10.21	32.7	99.3	9.52	32.9	93.6	9.20	33.0
	40	200	119.0	11.54	32.3	111.3	10.59	32.8	107.6	9.67	33.0	99.3	8.91	33.5	93.6	8.23	33.9
	40	400	119.0	10.87	36.1	111.3	10.28	36.4	107.6	9.39	36.5	99.3	8.56	36.7	93.6	7.95	36.9
	40	600	119.0	10.87	37.4	111.3	10.28	37.6	107.6	9.33	37.7	99.3	8.56	37.8	93.6	8.23	38.0
	45	200	119.0	10.87	37.3	111.3	10.28	37.8	107.6	9.16	37.9	99.3	8.56	38.5	93.6	8.23	38.9
	45	400	119.0	10.87	41.1	111.3	10.28	41.4	107.6	9.13	41.5	99.3	8.56	41.7	93.6	8.23	41.9
	45	600	119.0	10.87	42.4	111.3	10.28	42.6	107.6	9.08	42.6	99.3	8.56	42.8	93.6	8.23	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	200	102.6	22.65	-0.7	96.0	21.39	-0.3	93.2	20.19	-0.2	85.6	18.55	0.2	78.6	16.63	0.6
	5	400	102.6	23.06	2.2	96.0	21.80	2.3	93.2	20.58	2.4	85.6	18.94	2.6	78.6	16.96	2.8
	5	600	102.6	23.27	3.1	96.0	22.00	3.2	93.2	20.82	3.3	85.6	19.12	3.4	78.6	17.17	3.5
	10	200	102.6	19.92	4.1	96.0	18.95	4.5	93.2	18.22	4.6	85.6	16.72	5.1	78.6	15.11	5.4
	10	400	102.6	19.98	7.0	96.0	19.04	7.2	93.2	18.28	7.3	85.6	16.66	7.5	78.6	15.14	7.7
	10	600	102.6	19.92	8.0	96.0	18.95	8.2	93.2	18.22	8.2	85.6	16.75	8.4	78.6	15.23	8.5
	15	200	102.6	17.19	8.9	96.0	16.55	9.3	93.2	16.25	9.5	86.1	14.90	9.9	81.1	13.58	10.2
	15	400	102.6	16.90	11.9	96.0	16.28	12.1	93.2	15.98	12.2	86.1	14.39	12.4	81.1	13.31	12.6
	15	600	102.6	16.55	12.9	96.0	15.93	13.1	93.2	15.56	13.1	86.1	14.39	13.3	81.1	13.31	13.4
	20	200	102.6	14.55	13.7	96.0	14.11	14.1	93.2	13.85	14.3	86.1	12.78	14.7	81.1	12.00	15.0
	20	400	102.6	14.55	16.8	96.0	13.94	17.1	93.2	14.12	17.2	86.1	12.27	17.4	81.1	11.46	17.5
	20	600	102.6	14.20	17.9	96.0	13.79	18.0	93.2	14.12	18.1	86.1	12.27	18.2	81.1	11.46	18.3
	25	200	103.1	12.70	18.5	96.5	12.03	18.9	93.2	11.93	19.2	86.1	10.65	19.6	81.1	9.87	19.9
	25	400	103.1	12.59	21.8	96.5	11.91	22.0	93.2	11.68	22.1	86.1	10.38	22.3	81.1	9.57	22.4
	25	600	103.1	12.09	22.8	96.5	11.50	23.0	93.2	11.68	23.1	86.1	10.38	23.2	81.1	9.57	23.3
	30	200	103.1	11.47	23.4	96.5	10.71	23.9	93.2	10.31	24.1	86.1	9.30	24.5	81.1	8.50	24.8
	30	400	103.1	11.24	26.7	96.5	10.44	26.9	93.2	10.07	27.0	86.1	9.07	27.2	81.1	8.50	27.4
	30	600	103.1	10.83	27.8	96.5	10.03	27.9	93.2	10.07	28.0	86.1	9.07	28.2	81.1	8.14	28.3
	35	200	103.1	10.44	28.4	96.5	9.68	28.8	93.2	9.24	29.0	86.1	8.26	29.4	81.1	7.72	29.7
	35	400	103.1	10.65	31.7	96.5	9.39	31.9	93.2	8.97	32.0	86.1	7.99	32.2	81.1	7.72	32.4
	35	600	103.1	9.77	32.8	96.5	9.57	32.9	93.2	8.54	33.0	86.1	7.99	33.1	81.1	7.72	33.2
	40	200	103.1	9.68	33.3	96.5	8.89	33.7	93.2	8.15	33.9	86.1	7.48	34.4	81.1	6.91	34.7
	40	400	103.1	9.12	36.6	96.5	8.63	36.9	93.2	7.87	36.9	86.1	7.18	37.2	81.1	6.67	37.3
	40	600	103.1	9.12	37.8	96.5	8.63	37.9	93.2	7.87	38.0	86.1	7.18	38.1	81.1	6.91	38.2
	45	200	103.1	9.12	38.3	96.5	8.63	38.7	93.2	7.87	38.9	86.1	7.18	39.3	81.1	6.91	39.7
	45	400	103.1	9.12	41.6	96.5	8.63	41.9	93.2	7.87	41.9	86.1	7.18	42.2	81.1	6.91	42.3
	45	600	103.1	9.12	42.8	96.5	8.63	42.9	93.2	7.87	43.0	86.1	7.18	43.1	81.1	6.91	43.2
60	5	200	87.8	18.17	0.0	82.2	17.16	0.3	79.8	16.20	0.4	73.3	14.88	0.8	67.3	13.35	1.1
	5	400	87.8	18.50	2.5	82.2	17.49	2.7	79.8	16.52	2.7	73.3	15.20	2.9	67.3	13.61	3.1
	5	600	87.8	18.67	3.3	82.2	17.66	3.5	79.8	16.71	3.5	73.3	15.34	3.6	67.3	13.78	3.7
	10	200	87.8	15.98	4.9	82.2	15.21	5.2	79.8	14.62	5.3	73.3	13.42	5.7	67.3	12.12	6.0
	10	400	87.8	16.03	7.4	82.2	15.28	7.6	79.8	14.67	7.7	73.3	13.37	7.9	67.3	12.15	8.0
	10	600	87.8	15.98	8.3	82.2	15.21	8.4	79.8	14.62	8.4	73.3	13.44	8.6	67.3	12.22	8.7
	15	200	87.8	13.79	9.7	82.2	13.28	10.1	79.8	13.03	10.2	73.7	11.95	10.6	69.4	10.90	10.8
	15	400	87.8	13.56	12.3	82.2	13.07	12.5	79.8	12.82	12.6	73.7	11.55	12.8	69.4	10.68	12.9
	15	600	87.8	13.28	13.2	82.2	12.78	13.3	79.8	12.48	13.4	73.7	11.55	13.5	69.4	10.68	13.6
	20	200	87.8	11.68	14.5	82.2	11.32	14.9	79.8	11.11	15.1	73.7	10.25	15.5	69.4	9.63	15.7
	20	400	87.8	11.68	17.3	82.2	11.18	17.5	79.8	11.33	17.5	73.7	9.84	17.7	69.4	9.19	17.8
	20	600	87.8	11.39	18.2	82.2	11.06	18.3	79.8	11.33	18.4	73.7	9.84	18.5	69.4	9.19	18.6
	25	200	88.3	10.19	19.4	82.6	9.65	19.8	79.8	9.57	20.0	73.7	8.55	20.3	69.4	7.92	20.6
	25	400	88.3	10.10	22.2	82.6	9.56	22.4	79.8	9.38	22.5	73.7	8.33	22.7	69.4	7.68	22.8
	25	600	88.3	9.70	23.1	82.6	9.23	23.2	79.8	9.38	23.3	73.7	8.33	23.4	69.4	7.68	23.5
	30	200	88.3	9.20	24.3	82.6	8.59	24.7	79.8	8.27	24.9	73.7	7.47	25.3	69.4	6.82	25.5
	30	400	88.3	9.02	27.2	82.6	8.38	27.3	79.8	8.08	27.4	73.7	7.27	27.6	69.4	6.82	27.8
	30	600	88.3	8.69	28.1	82.6	8.05	28.2	79.8	8.08	28.3	73.7	7.27	28.4	69.4	6.53	28.5
	35	200	88.3	8.38	29.3	82.6	7.77	29.6	79.8	7.42	29.8	73.7	6.63	30.2	69.4	6.19	30.5
	35	400	88.3	8.55	32.1	82.6	7.53	32.3	79.8	7.20	32.4	73.7	6.41	32.6	69.4	6.19	32.7
	35	600	88.3	7.84	33.1	82.6	7.68	33.2	79.8	6.85	33.3	73.7	6.41	33.4	69.4	6.19	33.5
	40	200	88.3	7.77	34.2	82.6	7.13	34.6	79.8	6.54	34.7	73.7	6.00	35.2	69.4	5.55	35.4
	40	400	88.3	7.32	37.1	82.6	6.92	37.3	79.8	6.32	37.4	73.7	5.76	37.6	69.4	5.35	37.7
	40	600	88.3	7.32	38.1	82.6	6.92	38.2	79.8	6.32	38.2	73.7	5.76	38.4	69.4	5.55	38.5
	45	200	88.3	7.32	39.2	82.6	6.92	39.6	79.8	6.32	39.7	73.7	5.76	40.1	69.4	5.55	40.4
	45	400	88.3	7.32	42.1	82.6	6.92	42.3	79.8	6.32	42.4	73.7	5.76	42.6	69.4	5.55	42.7
	45	600	88.3	7.32	43.1	82.6	6.92	43.2	79.8	6.32	43.2	73.7	5.76	43.4	69.4	5.55	43.5
50	5	200	73.0	14.52	0.8	68.0	13.69	1.1	65.9	12.98	1.2	61.0	11.92	1.5	56.3	10.72	1.7
	5	400	73.0	14.78	2.9	68.2	13.95	3.1	66.0	13.23	3.1	61.0	12.17	3.3	56.3	10.93	3.4
	5	600	73.0	14.91	3.6	68.2	14.08	3.7	66.0	13.38	3.7	61.0	12.28	3.8	56.3	11.06	3.9
	10	200	73.0	12.77	5.7	68.1	12.16	6.0	66.0	11.71	6.1	61.0	10.74	6.4	56.3	9.73	6.7
	10	400	73.0	12.80	7.8	68.2	12.24	8.0	66.0	11.77	8.1	61.0	10.73	8.2	56.3	9.76	8.3
	10	600	73.0	12.77	8.6	68.3	12.19	8.7	66.1	11.73	8.7	61.0	10.76	8.8	56.3	9.79	8.9
	15	200	73.0	11.02	10.6	68.2	10.64	10.9	66.4	10.48	11.0	61.4	9.57	11.3	57.8	8.75	11.5
	15	400	73.0	10.83	12.8	68.2	10.52	12.9	66.4	10.34	13.0	61.4	9.29	13.1	57.8	8.58	13.2
	15	600	73.0	10.60	13.5	68.3	10.32	13.6	66.4	10.09	13.7	61.4	9.24	13.8	57.8	8.54	13.8
	20	200	73.0	9.33	15.4	68.2	9.07	15.8	66.4	8.92	15.9	61.4	8.19	16.2	57.8	7.70	16.4
	20	400	73.0	9.33	17.7	68.3	9.00	17.9	66.4	9.05	17.9	61.4	7.93	18.1	57.8	7.36	18.2
	20	600	73.0	9.10	18.5	68.5	8.89	18.6	66.4	9.00	18.6	61.4	7.85	18.7	57.8	7.31	18.8
	25	200	73.4	8.14	20.3	68.7	7.75	20.6	66.4	7.66	20.8	61.4	6.83	21.1	57.8	6.31	21.3
	25	400	73.4	8.07	22.7	68.7	7.66	22.8	66.4	7.50	22.9	61.4	6.66	23.0	57.8	6.16	23.1
	25	600	73.4	7.75	23.4	68.7	7.43	23.5	66.4	7.45	23.6	61.4	6.66	23.7	57.8	6.11	23.8
	30	200	73.4	7.35	25.3	68.7	6.86	25.6	66.4	6.58	25.7	61.4	5.93	26.0	57.8	5.46	26.2
	30	400	73.4	7.20	27.6	68.7	6.69	27.8	66.4	6.45	27.9	61.4	5.80	28.0	57.8	5.42	28.1
	30	600	73.4	6.94	28.4	68.7	6.49	28.5	66.4	6.42	28.6	61.4	5.80	28.7	57.8	5.24	28.7
	35	200	73.4	6.69	30.2	68.7	6.21	30.5	66.4	5.88	30.7	61.4	5.40	31.0	57.8	4.90	31.2
	35	400	73.4	6.83	32.6	68.7	6.00	32.8	66.4	5.74	32.8	61.4	5.26	33.0	57.8	4.90	33.1
	35	600	73.4	6.26	33.4	68.7	6.09	33.5	66.4	5.53	33.5	61.4	5.26	33.7	57.8	4.90	33.7
	40	200	73.4	6.20	35.2	68.7	5.72	35.5	66.4	5.33	35.6	61.4	5.01	36.0	57.8	4.50	36.2
	40	400	73.4	5.85	37.6	68.7	5.52	37.7	66.4	5.20	37.8	61.4	4.86	38.0	57.8	4.38	38.1
	40	600	73.4	5.85	38.4	68.7	5.52	38.5	66.4	5.20	38.5	61.4	4.86	38.6	57.8	4.50	38.7
	45	200	73.4	5.85	40.2	68.7	5.48	40.5	66.4	5.07	40.6	61.4	4.59	40.9	57.8	4.50	41.2
	45	400	73.4	5.85	42.6	68.7	5.48	42.7	66.4	5.07	42.8	61.4	4.59	43.0	57.8	4.50	43.1
	45	600	73.4	5.85	43.4	68.7	5.48	43.5	66.4	5.07	43.5	61.4	4.59	43.6	57.8	4.50	43.7

12. Capacity Table

1-18. AM440FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	209	124.1	9.05	19.1	136.4	10.77	20.1	146.5	11.80	20.9	157.3	12.52	21.6	161.5	12.67	21.9
	10	418	124.1	8.39	14.5	136.4	9.95	15.0	146.5	11.25	15.4	157.3	11.82	15.8	161.5	11.82	15.9
	10	627	124.1	8.25	13.0	136.4	9.91	13.3	146.5	10.65	13.6	157.3	11.60	13.9	161.5	11.86	14.0
	15	209	121.9	11.67	24.2	134.2	13.82	25.1	144.3	15.35	26.0	154.6	16.10	26.7	158.8	16.46	27.0
	15	418	121.9	10.89	19.6	134.2	12.81	20.0	144.3	14.30	20.4	154.6	15.04	20.8	158.8	15.38	21.0
	15	627	121.9	10.57	18.0	134.2	12.49	18.4	144.3	13.83	18.6	154.6	14.51	18.9	158.8	14.95	19.0
	20	209	120.1	13.91	29.2	132.4	16.28	30.2	142.6	18.18	31.0	152.4	19.06	31.8	156.6	19.47	32.1
	20	418	120.1	13.64	24.6	132.4	16.04	25.1	142.6	17.92	25.5	152.4	18.84	25.9	156.6	19.19	26.0
	20	627	120.1	13.18	23.0	132.4	15.55	23.4	142.6	17.39	23.7	152.4	18.13	23.9	156.6	18.69	24.0
	25	209	120.1	17.46	34.4	132.4	20.56	35.5	142.6	22.91	36.3	152.4	24.08	37.1	156.6	24.47	37.4
	25	418	120.1	16.33	29.7	132.4	19.20	30.2	142.6	21.35	30.6	152.4	22.50	31.0	156.6	22.86	31.2
	25	627	120.1	15.71	28.1	132.4	18.58	28.5	142.6	20.68	28.7	152.4	21.69	29.0	156.6	22.30	29.1
	30	209	120.1	20.50	39.6	132.4	24.09	40.7	142.6	26.89	41.6	152.4	28.21	42.4	156.6	28.68	42.7
	30	418	120.1	20.15	34.8	132.4	23.71	35.4	142.6	26.39	35.8	152.4	27.79	36.2	156.6	28.34	36.3
	30	627	120.1	19.50	33.2	132.4	22.96	33.6	142.6	25.61	33.8	152.4	26.87	34.1	156.6	27.59	34.2
	35	209	113.5	21.33	44.2	125.4	25.12	45.3	134.8	28.01	46.2	144.7	29.34	46.9	148.0	29.86	47.2
	35	418	113.5	20.92	39.6	125.4	24.70	40.1	134.8	27.52	40.6	144.7	28.92	41.0	148.0	29.53	41.1
	35	627	113.5	20.36	38.1	125.4	23.95	38.4	134.8	26.62	38.7	144.7	27.99	38.9	148.0	28.75	39.0
	40	209	95.0	22.21	48.0	104.6	26.13	49.0	112.6	29.15	49.7	120.6	30.58	50.4	124.0	31.19	50.6
	40	418	95.8	21.84	44.0	105.5	25.74	44.5	113.6	28.62	44.9	121.6	30.11	45.2	125.1	30.77	45.3
	40	627	97.1	21.17	42.7	107.0	24.86	43.0	115.2	27.79	43.3	123.4	29.14	43.5	126.9	30.02	43.6
	45	209	79.2	22.93	52.0	86.9	27.01	52.8	93.4	30.12	53.5	100.2	31.54	54.0	102.9	32.21	54.3
	45	418	79.9	22.55	48.5	87.7	26.55	48.9	94.2	29.56	49.2	101.0	31.18	49.5	103.7	31.79	49.6
	45	627	81.0	21.82	47.4	88.9	25.65	47.6	95.6	28.70	47.8	102.5	30.09	48.0	105.2	31.03	48.1
120	10	209	117.5	8.59	18.6	129.3	10.20	19.6	139.0	11.20	20.3	148.9	11.83	21.0	152.7	11.98	21.3
	10	418	117.5	8.02	14.3	129.3	9.53	14.8	139.0	10.64	15.1	148.9	11.16	15.5	152.7	11.18	15.6
	10	627	117.5	7.65	12.9	129.3	9.39	13.2	139.0	10.05	13.4	148.9	10.99	13.7	152.7	11.34	13.7
	15	209	116.2	11.18	23.7	127.5	13.18	24.6	137.3	14.72	25.4	147.1	15.42	26.1	150.9	15.68	26.4
	15	418	116.2	10.43	19.3	127.5	12.26	19.8	137.3	13.71	20.2	147.1	14.37	20.5	150.9	14.66	20.7
	15	627	116.2	10.07	17.9	127.5	11.94	18.2	137.3	13.20	18.4	147.1	13.88	18.7	150.9	14.32	18.8
	20	209	114.8	13.38	28.8	126.2	15.65	29.7	136.0	17.47	30.5	145.8	18.35	31.3	149.6	18.71	31.5
	20	418	114.8	13.09	24.4	126.2	15.38	24.9	136.0	17.22	25.3	145.8	18.09	25.6	149.6	18.40	25.8
	20	627	114.8	12.71	22.9	126.2	14.99	23.2	136.0	16.69	23.5	145.8	17.43	23.7	149.6	17.94	23.8
	25	209	114.8	16.78	34.0	126.2	19.74	35.0	136.0	21.91	35.8	145.8	23.08	36.6	149.6	23.47	36.9
	25	418	114.8	15.60	29.5	126.2	18.42	30.0	136.0	20.49	30.4	145.8	21.50	30.7	149.6	21.91	30.9
	25	627	114.8	15.03	28.0	126.2	17.76	28.3	136.0	19.82	28.6	145.8	20.79	28.8	149.6	21.31	28.9
	30	209	114.8	19.79	39.2	126.2	23.28	40.2	136.0	25.96	41.1	145.8	27.23	41.9	149.6	27.70	42.2
	30	418	114.8	19.45	34.6	126.2	22.86	35.1	136.0	25.51	35.5	145.8	26.81	35.9	149.6	27.32	36.1
	30	627	114.8	18.81	33.1	126.2	22.16	33.4	136.0	24.73	33.7	145.8	25.99	33.9	149.6	26.60	34.0
	35	209	110.3	20.87	44.0	121.6	24.61	45.0	131.1	27.42	45.9	140.0	28.70	46.6	143.8	29.27	46.9
	35	418	110.3	20.48	39.5	121.6	24.17	40.0	131.1	26.94	40.4	140.0	28.30	40.8	143.8	28.85	40.9
	35	627	110.3	19.88	38.0	121.6	23.46	38.3	131.1	26.05	38.6	140.0	27.37	38.8	143.8	28.12	38.9
	40	209	94.1	22.16	48.0	103.7	26.09	48.9	111.8	29.11	49.7	119.3	30.53	50.3	122.7	31.15	50.6
	40	418	94.9	21.79	44.0	104.6	25.70	44.5	112.7	28.57	44.8	120.3	30.02	45.2	123.8	30.67	45.3
	40	627	96.3	21.12	42.7	106.1	24.91	43.0	114.3	27.74	43.2	122.0	29.14	43.5	125.5	29.88	43.6
	45	209	80.0	23.28	52.1	88.6	27.45	53.0	95.5	30.61	53.6	101.8	32.07	54.2	104.5	32.74	54.4
	45	418	80.7	22.92	48.6	89.4	26.97	49.0	96.3	30.07	49.3	102.7	31.59	49.6	105.4	32.25	49.7
	45	627	81.9	22.15	47.4	90.6	26.16	47.7	97.7	29.16	47.9	104.2	30.64	48.1	106.9	31.31	48.2
110	10	209	110.9	8.04	18.2	121.7	9.64	19.0	131.1	10.56	19.7	140.5	11.19	20.4	143.9	11.29	20.6
	10	418	110.9	7.52	14.1	121.7	8.92	14.5	131.1	10.04	14.8	140.5	10.60	15.2	143.9	10.50	15.3
	10	627	110.9	7.29	12.7	121.7	8.77	13.0	131.1	9.60	13.2	140.5	10.37	13.4	143.9	10.62	13.5
	15	209	110.0	10.63	23.3	120.8	12.58	24.2	130.2	14.04	24.9	139.6	14.69	25.6	143.4	15.00	25.9
	15	418	110.0	9.94	19.1	120.8	11.67	19.5	130.2	13.08	19.9	139.6	13.73	20.3	143.4	13.98	20.4
	15	627	110.0	9.62	17.7	120.8	11.35	18.0	130.2	12.66	18.3	139.6	13.25	18.5	143.4	13.59	18.6
	20	209	109.6	12.85	28.4	120.4	15.03	29.3	129.8	16.81	30.1	138.8	17.60	30.7	142.6	17.96	31.0
	20	418	109.6	12.57	24.2	120.4	14.77	24.6	129.8	16.52	25.0	138.8	17.34	25.4	142.6	17.66	25.5
	20	627	109.6	12.20	22.8	120.4	14.38	23.1	129.8	16.03	23.3	138.8	16.78	23.6	142.6	17.14	23.7
	25	209	109.6	16.06	33.6	120.4	18.87	34.6	129.8	21.01	35.3	138.8	22.04	36.0	142.6	22.43	36.3
	25	418	109.6	14.97	29.3	120.4	17.60	29.7	129.8	19.59	30.1	138.8	20.55	30.5	142.6	20.92	30.6
	25	627	109.6	14.40	27.8	120.4	16.99	28.1	129.8	18.97	28.4	138.8	19.89	28.6	142.6	20.31	28.7
	30	209	109.6	19.08	38.8	120.4	22.44	39.8	129.8	25.03	40.6	138.8	26.26	41.3	142.6	26.73	41.6
	30	418	109.6	18.76	34.4	120.4	22.06	34.9	129.8	24.57	35.3	138.8	25.83	35.6	142.6	26.30	35.8
	30	627	109.6	18.15	32.9	120.4	21.41	33.2	129.8	23.84	33.5	138.8	25.02	33.7	142.6	25.57	33.8
	35	209	107.1	20.42	43.7	118.4	24.06	44.8	126.9	26.83	45.5	136.3	28.07	46.3	139.7	28.63	46.5
	35	418	107.1	20.05	39.4	118.4	23.64	39.9	126.9	26.37	40.3	136.3	27.63	40.6	139.7	28.18	40.8
	35	627	107.1	19.45	37.9	118.4	22.93	38.2	126.9	25.48	38.5	136.3	26.80	38.7	139.7	27.39	38.8
	40	209	93.2	22.16	47.9	102.8	26.09	48.8	110.5	29.06	49.6	118.4	30.49	50.2	121.8	31.10	50.5
	40	418	94.0	21.74	44.0	103.7	25.65	44.4	111.4	28.57	44.8	119.4	29.97	45.1	122.9	30.58	45.3
	40	627	95.4	21.07	42.7	105.2	24.86	43.0	113.0	27.69	43.2	121.1	29.10	43.4	124.6	29.74	43.5
	45	209	81.7	23.72	52.2	89.9	27.90	53.1	96.7	31.10	53.8	103.9	32.60	54.4	106.6	33.27	54.6
	45	418	82.4	23.25	48.6	90.6	27.40	49.0	97.6	30.53	49.4	104.8	32.15	49.7	107.5	32.72	49.8
	45	627	83.6	22.47	47.4	91.9	26.58	47.7	99.0	29.62	47.9	106.3	31.15	48.1	109.0	31.74	48.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	209	103.8	7.63	17.6	114.6	8.98	18.5	123.2	10.01	19.1	132.2	10.50	19.8	135.5	10.69	20.0
	10	418	103.8	7.11	13.8	114.6	8.41	14.2	123.2	9.52	14.6	132.2	9.95	14.9	135.5	9.95	15.0
	10	627	103.8	6.87	12.5	114.6	8.24	12.8	123.2	9.00	13.0	132.2	9.76	13.2	135.5	9.90	13.3
	15	209	103.8	10.18	22.8	114.6	11.99	23.7	123.2	13.36	24.4	132.2	14.01	25.0	135.5	14.27	25.3
	15	418	103.8	9.49	18.9	114.6	11.17	19.3	123.2	12.44	19.7	132.2	13.06	20.0	135.5	13.30	20.1
	15	627	103.8	9.17	17.6	114.6	10.80	17.9	123.2	12.03	18.1	132.2	12.62	18.3	135.5	12.86	18.4
	20	209	103.8	12.27	28.0	114.6	14.45	28.9	123.2	16.10	29.6	132.2	16.89	30.2	135.5	17.20	30.5
	20	418	103.8	12.06	24.0	114.6	14.20	24.4	123.2	15.82	24.8	132.2	16.60	25.1	135.5	16.91	25.2
	20	627	103.8	11.69	22.6	114.6	13.76	22.9	123.2	15.33	23.2	132.2	16.09	23.4	135.5	16.39	23.5
	25	209	103.8	15.29	33.2	114.6	18.00	34.1	123.2	20.05	34.8	132.2	21.04	35.5	135.5	21.43	35.8
	25	418	103.8	14.24	29.0	114.6	16.77	29.5	123.2	18.69	29.9	132.2	19.61	30.2	135.5	19.97	30.3
	25	627	103.8	13.77	27.7	114.6	16.21	28.0	123.2	18.06	28.2	132.2	18.95	28.5	135.5	19.31	28.5
	30	209	103.8	18.37	38.4	114.6	21.63	39.3	123.2	24.10	40.1	132.2	25.28	40.8	135.5	25.76	41.1
	30	418	103.8	18.06	34.2	114.6	21.26	34.7	123.2	23.69	35.0	132.2	24.85	35.4	135.5	25.32	35.5
	30	627	103.8	17.50	32.8	114.6	20.61	33.1	123.2	22.96	33.3	132.2	24.09	33.6	135.5	24.54	33.7
	35	209	103.8	19.96	43.5	114.6	23.51	44.5	123.2	26.19	45.2	132.2	27.47	45.9	135.5	27.99	46.2
	35	418	103.8	19.62	39.2	114.6	23.11	39.7	123.2	25.74	40.1	132.2	27.01	40.5	135.5	27.51	40.6
	35	627	103.8	19.02	37.8	114.6	22.39	38.1	123.2	24.95	38.4	132.2	26.18	38.6	135.5	26.67	38.7
	40	209	92.4	22.12	47.9	101.9	26.04	48.8	109.6	29.02	49.5	117.5	30.44	50.1	120.5	31.01	50.4
	40	418	93.1	21.74	43.9	102.8	25.60	44.4	110.5	28.52	44.8	118.5	29.92	45.1	121.6	30.48	45.2
	40	627	94.5	21.07	42.6	104.3	24.81	43.0	112.1	27.64	43.2	120.2	29.00	43.4	123.3	29.54	43.5
	45	209	82.9	24.07	52.3	91.5	28.35	53.2	98.4	31.58	53.9	105.5	33.13	54.5	108.2	33.75	54.7
	45	418	83.6	23.66	48.7	92.3	27.86	49.1	99.2	31.05	49.5	106.4	32.57	49.8	109.1	33.18	49.9
	45	627	84.8	22.94	47.5	93.6	27.01	47.8	100.7	30.09	48.0	108.0	31.57	48.2	110.7	32.16	48.3
90	10	209	93.6	6.66	16.9	103.4	7.84	17.6	111.1	8.73	18.2	119.2	9.16	18.8	122.2	9.33	19.0
	10	418	93.6	6.54	13.4	103.4	7.71	13.8	111.1	8.59	14.1	119.2	9.01	14.4	122.2	9.18	14.5
	10	627	93.6	6.34	12.3	103.4	7.47	12.5	111.1	8.32	12.7	119.2	8.73	12.9	122.2	8.89	13.0
	15	209	93.6	8.89	22.0	103.4	10.46	22.8	111.1	11.66	23.4	119.2	12.23	24.0	122.2	12.46	24.2
	15	418	93.6	8.74	18.5	103.4	10.29	18.9	111.1	11.46	19.2	119.2	12.02	19.5	122.2	12.25	19.6
	15	627	93.6	8.47	17.3	103.4	9.97	17.6	111.1	11.11	17.8	119.2	11.65	18.0	122.2	11.87	18.1
	20	209	93.6	10.71	27.2	103.4	12.61	28.0	111.1	14.05	28.6	119.2	14.74	29.2	122.2	15.02	29.4
	20	418	93.6	10.53	23.6	103.4	12.40	24.0	111.1	13.81	24.3	119.2	14.49	24.6	122.2	14.76	24.7
	20	627	93.6	10.20	22.4	103.4	12.01	22.6	111.1	13.39	22.8	119.2	14.04	23.0	122.2	14.31	23.1
	25	209	93.6	13.34	32.3	103.4	15.71	33.2	111.1	17.51	33.8	119.2	18.37	34.4	122.2	18.71	34.7
	25	418	93.6	13.12	28.7	103.4	15.45	29.1	111.1	17.21	29.4	119.2	18.05	29.7	122.2	18.39	29.8
	25	627	93.6	12.71	27.4	103.4	14.97	27.7	111.1	16.68	27.9	119.2	17.50	28.1	122.2	17.83	28.2
	30	209	93.6	16.04	37.5	103.4	18.88	38.4	111.1	21.04	39.1	119.2	22.07	39.7	122.2	22.48	39.9
	30	418	93.6	15.76	33.8	103.4	18.56	34.2	111.1	20.68	34.5	119.2	21.70	34.8	122.2	22.10	34.9
	30	627	93.6	15.28	32.5	103.4	17.99	32.8	111.1	20.04	33.0	119.2	21.03	33.2	122.2	21.42	33.3
	35	209	93.6	17.43	42.6	103.4	20.52	43.5	111.1	22.86	44.2	119.2	23.98	44.8	122.2	24.43	45.1
	35	418	93.6	17.13	38.8	103.4	20.17	39.2	111.1	22.47	39.6	119.2	23.58	39.9	122.2	24.02	40.0
	35	627	93.6	16.60	37.5	103.4	19.55	37.8	111.1	21.78	38.0	119.2	22.85	38.2	122.2	23.28	38.3
	40	209	83.3	19.31	47.0	91.9	22.73	47.9	98.8	25.33	48.5	106.0	26.57	49.1	108.7	27.07	49.3
	40	418	84.0	18.98	43.5	92.7	22.35	43.9	99.7	24.90	44.3	106.9	26.12	44.6	109.6	26.61	44.7
	40	627	85.2	18.39	42.4	94.0	21.66	42.6	101.1	24.13	42.9	108.4	25.32	43.1	111.2	25.79	43.1
	45	209	74.8	21.02	51.6	82.6	24.75	52.4	88.7	27.57	53.0	95.2	28.92	53.5	97.6	29.47	53.7
	45	418	75.4	20.66	48.3	83.2	24.32	48.7	89.5	27.10	49.0	96.0	28.43	49.3	98.4	28.96	49.4
	45	627	76.5	20.02	47.2	84.4	23.58	47.5	90.8	26.27	47.7	97.4	27.56	47.9	99.8	28.07	47.9
80	10	209	83.4	5.55	16.1	92.0	6.54	16.8	98.9	7.28	17.3	106.1	7.64	17.8	108.8	7.78	18.0
	10	418	83.4	5.46	13.0	92.0	6.42	13.4	98.9	7.16	13.6	106.1	7.51	13.9	108.8	7.65	14.0
	10	627	83.4	5.29	12.0	92.0	6.23	12.2	98.9	6.94	12.4	106.1	7.28	12.6	108.8	7.41	12.7
	15	209	83.4	7.41	21.2	92.0	8.72	21.9	98.9	9.72	22.4	106.1	10.20	23.0	108.8	10.39	23.2
	15	418	83.4	7.28	18.1	92.0	8.57	18.4	98.9	9.55	18.7	106.1	10.02	19.0	108.8	10.21	19.1
	15	627	83.4	7.06	17.1	92.0	8.31	17.3	98.9	9.26	17.5	106.1	9.71	17.6	108.8	9.90	17.7
	20	209	83.4	8.93	26.3	92.0	10.51	27.0	98.9	11.71	27.6	106.1	12.29	28.1	108.8	12.52	28.3
	20	418	83.4	8.78	23.2	92.0	10.33	23.5	98.9	11.51	23.8	106.1	12.08	24.1	108.8	12.31	24.2
	20	627	83.4	8.51	22.1	92.0	10.02	22.3	98.9	11.16	22.5	106.1	11.71	22.7	108.8	11.93	22.8
	25	209	83.4	11.12	31.5	92.0	13.10	32.2	98.9	14.59	32.8	106.1	15.31	33.3	108.8	15.60	33.5
	25	418	83.4	10.94	28.2	92.0	12.88	28.6	98.9	14.35	28.9	106.1	15.05	29.2	108.8	15.33	29.3
	25	627	83.4	10.60	27.1	92.0	12.48	27.4	98.9	13.90	27.6	106.1	14.59	27.8	108.8	14.86	27.8
	30	209	83.4	13.37	36.6	92.0	15.74	37.4	98.9	17.54	38.0	106.1	18.40	38.5	108.8	18.74	38.7
	30	418	83.4	13.14	33.3	92.0	15.47	33.7	98.9	17.24	34.0	106.1	18.09	34.3	108.8	18.43	34.4
	30	627	83.4	12.74	32.2	92.0	15.00	32.4	98.9	16.71	32.6	106.1	17.53	32.8	108.8	17.86	32.9
	35	209	83.4	14.53	41.7	92.0	17.11	42.5	98.9	19.06	43.1	106.1	19.99	43.6	108.8	20.37	43.9
	35	418	83.4	14.28	38.3	92.0	16.81	38.7	98.9	18.73	39.0	106.1	19.65	39.3	108.8	20.02	39.4
	35	627	83.4	13.84	37.2	92.0	16.30	37.5	98.9	18.16	37.7	106.1	19.05	37.9	108.8	19.41	37.9
	40	209	74.1	16.10	46.2	81.8	18.95	46.9	88.0	21.12	47.5	94.4	22.15	48.0	96.8	22.57	48.2
	40	418	74.8	15.82	43.1	82.5	18.63	43.5	88.7	20.76	43.8	95.2	21.78	44.0	97.6	22.18	44.1
	40	627	75.8	15.33	42.1	83.7	18.06	42.3	90.0	20.12	42.5	96.5	21.11	42.7	99.0	21.50	42.8
	45	209	66.6	17.52	50.8	73.5	20.63	51.5	79.0	22.98	52.0	84.7	24.11	52.5	86.9	24.56	52.6
	45	418	67.1	17.22	47.9	74.1	20.28	48.2	79.7	22.59	48.5	85.4	23.70	48.7	87.6	24.15	48.8
	45	627	68.1	16.69	46.9	75.2	19.65	47.2	80.8	21.90	47.3	86.7	22.97	47.5	88.9	23.40	47.6

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	209	72.8	4.63	15.3	80.3	5.45	15.9	86.4	6.07	16.3	92.6	6.37	16.8	95.0	6.49	17.0
	10	418	72.8	4.55	12.7	80.3	5.35	12.9	86.4	5.97	13.2	92.6	6.26	13.4	95.0	6.38	13.5
	10	627	72.8	4.41	11.8	80.3	5.19	12.0	86.4	5.78	12.1	92.6	6.07	12.3	95.0	6.18	12.3
	15	209	72.8	6.18	20.4	80.3	7.27	21.0	86.4	8.10	21.5	92.6	8.50	21.9	95.0	8.66	22.1
	15	418	72.8	6.07	17.7	80.3	7.15	18.0	86.4	7.96	18.2	92.6	8.35	18.5	95.0	8.51	18.5
	15	627	72.8	5.88	16.8	80.3	6.93	17.0	86.4	7.72	17.2	92.6	8.10	17.3	95.0	8.25	17.4
	20	209	72.8	7.44	25.5	80.3	8.76	26.1	86.4	9.76	26.6	92.6	10.24	27.1	95.0	10.43	27.2
	20	418	72.8	7.32	22.7	80.3	8.61	23.1	86.4	9.60	23.3	92.6	10.07	23.5	95.0	10.26	23.6
	20	627	72.8	7.09	21.8	80.3	8.35	22.0	86.4	9.30	22.2	92.6	9.76	22.3	95.0	9.94	22.4
	25	209	72.8	9.27	30.6	80.3	10.92	31.3	86.4	12.16	31.8	92.6	12.76	32.2	95.0	13.00	32.4
	25	418	72.8	9.12	27.8	80.3	10.73	28.1	86.4	11.96	28.4	92.6	12.55	28.6	95.0	12.78	28.7
	25	627	72.8	8.83	26.9	80.3	10.40	27.1	86.4	11.59	27.2	92.6	12.16	27.4	95.0	12.39	27.5
	30	209	72.8	11.14	35.8	80.3	13.12	36.4	86.4	14.62	36.9	92.6	15.34	37.4	95.0	15.62	37.6
	30	418	72.8	10.95	32.9	80.3	12.90	33.2	86.4	14.37	33.5	92.6	15.08	33.7	95.0	15.36	33.8
	30	627	72.8	10.62	31.9	80.3	12.50	32.1	86.4	13.93	32.3	92.6	14.61	32.5	95.0	14.89	32.5
	35	209	72.8	12.11	40.8	80.3	14.26	41.5	86.4	15.89	42.0	92.6	16.67	42.5	95.0	16.98	42.7
	35	418	72.8	11.90	37.9	80.3	14.02	38.2	86.4	15.62	38.5	92.6	16.38	38.7	95.0	16.69	38.8
	35	627	72.8	11.54	36.9	80.3	13.58	37.1	86.4	15.13	37.3	92.6	15.88	37.5	95.0	16.17	37.5
	40	209	64.7	13.42	45.4	71.5	15.80	46.0	76.8	17.60	46.5	82.4	18.46	46.9	84.5	18.81	47.1
	40	418	65.3	13.19	42.7	72.1	15.53	43.0	77.5	17.30	43.2	83.1	18.15	43.5	85.2	18.49	43.6
	40	627	66.2	12.78	41.8	73.1	15.05	42.0	78.6	16.77	42.2	84.3	17.59	42.3	86.4	17.92	42.4
	45	209	58.1	14.60	50.0	64.2	17.19	50.6	69.0	19.16	51.0	74.0	20.10	51.5	75.9	20.47	51.6
	45	418	58.6	14.35	47.5	64.7	16.90	47.8	69.5	18.83	48.0	74.6	19.76	48.2	76.5	20.13	48.3
	45	627	59.5	13.91	46.7	65.6	16.38	46.9	70.5	18.25	47.0	75.7	19.15	47.2	77.6	19.51	47.2
60	10	209	62.1	3.67	14.5	68.6	4.33	15.0	73.7	4.82	15.4	79.1	5.06	15.8	81.1	5.15	15.9
	10	418	62.1	3.61	12.3	68.6	4.25	12.5	73.7	4.74	12.7	79.1	4.97	12.9	81.1	5.06	13.0
	10	627	62.1	3.50	11.5	68.6	4.12	11.7	73.7	4.59	11.8	79.1	4.82	11.9	81.1	4.91	12.0
	15	209	62.1	4.90	19.6	68.6	5.77	20.1	73.7	6.43	20.5	79.1	6.75	20.9	81.1	6.87	21.0
	15	418	62.1	4.82	17.3	68.6	5.68	17.5	73.7	6.32	17.7	79.1	6.63	17.9	81.1	6.76	18.0
	15	627	62.1	4.67	16.5	68.6	5.50	16.7	73.7	6.13	16.8	79.1	6.43	17.0	81.1	6.55	17.0
	20	209	62.1	5.91	24.7	68.6	6.96	25.2	73.7	7.75	25.6	79.1	8.13	26.0	81.1	8.29	26.1
	20	418	62.1	5.81	22.3	68.6	6.84	22.6	73.7	7.62	22.8	79.1	7.99	23.0	81.1	8.14	23.1
	20	627	62.1	5.63	21.5	68.6	6.63	21.7	73.7	7.39	21.9	79.1	7.75	22.0	81.1	7.89	22.0
	25	209	62.1	7.36	29.8	68.6	8.67	30.3	73.7	9.66	30.7	79.1	10.13	31.1	81.1	10.32	31.3
	25	418	62.1	7.24	27.4	68.6	8.52	27.6	73.7	9.49	27.9	79.1	9.96	28.1	81.1	10.15	28.1
	25	627	62.1	7.01	26.6	68.6	8.26	26.8	73.7	9.20	26.9	79.1	9.65	27.0	81.1	9.83	27.1
	30	209	62.1	8.85	34.9	68.6	10.42	35.4	73.7	11.61	35.9	79.1	12.18	36.3	81.1	12.41	36.4
	30	418	62.1	8.70	32.4	68.6	10.24	32.7	73.7	11.41	32.9	79.1	11.97	33.1	81.1	12.19	33.2
	30	627	62.1	8.43	31.6	68.6	9.93	31.8	73.7	11.06	31.9	79.1	11.60	32.1	81.1	11.82	32.1
	35	209	62.1	9.61	39.9	68.6	11.32	40.5	73.7	12.61	40.9	79.1	13.23	41.3	81.1	13.48	41.5
	35	418	62.1	9.45	37.5	68.6	11.13	37.7	73.7	12.40	38.0	79.1	13.01	38.2	81.1	13.25	38.2
	35	627	62.1	9.16	36.6	68.6	10.79	36.8	73.7	12.02	37.0	79.1	12.61	37.1	81.1	12.84	37.1
	40	209	55.3	10.65	44.5	61.0	12.54	45.0	65.6	13.98	45.5	70.3	14.66	45.8	72.1	14.94	46.0
	40	418	55.7	10.47	42.3	61.5	12.33	42.5	66.1	13.74	42.7	70.9	14.41	42.9	72.7	14.68	43.0
	40	627	56.5	10.15	41.5	62.4	11.95	41.7	67.1	13.31	41.8	71.9	13.97	42.0	73.8	14.23	42.0
	45	209	49.6	11.60	49.2	54.8	13.65	49.7	58.9	15.21	50.1	63.1	15.96	50.4	64.7	16.26	50.6
	45	418	50.0	11.40	47.1	55.2	13.42	47.4	59.4	14.95	47.5	63.7	15.69	47.7	65.3	15.98	47.8
	45	627	50.7	11.05	46.4	56.0	13.01	46.6	60.2	14.49	46.7	64.6	15.20	46.8	66.2	15.49	46.9
50	10	209	52.2	2.71	13.8	57.6	3.20	14.2	61.9	3.56	14.5	66.4	3.74	14.8	68.1	3.81	14.9
	10	418	52.2	2.67	11.9	57.6	3.14	12.1	61.9	3.50	12.2	66.4	3.67	12.4	68.1	3.74	12.5
	10	627	52.2	2.59	11.3	57.6	3.04	11.4	61.9	3.39	11.5	66.4	3.56	11.6	68.1	3.63	11.6
	15	209	52.2	3.62	18.8	57.6	4.27	19.2	61.9	4.75	19.6	66.4	4.99	19.9	68.1	5.08	20.0
	15	418	52.2	3.56	16.9	57.6	4.19	17.1	61.9	4.67	17.3	66.4	4.90	17.4	68.1	4.99	17.5
	15	627	52.2	3.45	16.3	57.6	4.06	16.4	61.9	4.53	16.5	66.4	4.75	16.6	68.1	4.84	16.7
	20	209	52.2	4.37	23.9	57.6	5.14	24.3	61.9	5.73	24.6	66.4	6.01	25.0	68.1	6.12	25.1
	20	418	52.2	4.29	21.9	57.6	5.05	22.1	61.9	5.63	22.3	66.4	5.91	22.5	68.1	6.02	22.5
	20	627	52.2	4.16	21.3	57.6	4.90	21.4	61.9	5.46	21.5	66.4	5.73	21.6	68.1	5.83	21.7
	25	209	52.2	5.44	29.0	57.6	6.41	29.4	61.9	7.14	29.7	66.4	7.49	30.1	68.1	7.63	30.2
	25	418	52.2	5.35	27.0	57.6	6.30	27.2	61.9	7.02	27.4	66.4	7.36	27.5	68.1	7.50	27.6
	25	627	52.2	5.18	26.3	57.6	6.10	26.5	61.9	6.80	26.6	66.4	7.13	26.7	68.1	7.27	26.7
	30	209	52.2	6.54	34.0	57.6	7.70	34.5	61.9	8.58	34.8	66.4	9.00	35.2	68.1	9.17	35.3
	30	418	52.2	6.43	32.0	57.6	7.57	32.2	61.9	8.43	32.4	66.4	8.84	32.6	68.1	9.01	32.6
	30	627	52.2	6.23	31.3	57.6	7.33	31.5	61.9	8.17	31.6	66.4	8.57	31.7	68.1	8.73	31.8
	35	209	52.2	7.10	39.1	57.6	8.36	39.5	61.9	9.32	39.9	66.4	9.78	40.2	68.1	9.96	40.4
	35	418	52.2	6.98	37.0	57.6	8.22	37.3	61.9	9.16	37.4	66.4	9.61	37.6	68.1	9.79	37.7
	35	627	52.2	6.77	36.3	57.6	7.97	36.5	61.9	8.88	36.6	66.4	9.31	36.7	68.1	9.49	36.8
	40	209	46.4	7.87	43.7	51.2	9.27	44.1	55.1	10.33	44.5	59.1	10.83	44.8	60.6	11.04	44.9
	40	418	46.8	7.74	41.9	51.7	9.11	42.1	55.5	10.15	42.3	59.6	10.65	42.4	61.1	10.85	42.5
	40	627	47.5	7.50	41.3	52.4	8.83	41.4	56.3	9.84	41.5	60.4	10.32	41.6	62.0	10.51	41.7
	45	209	41.7	8.57	48.4	46.0	10.09	48.8	49.4	11.24	49.2	53.0	11.79	49.4	54.4	12.01	49.6
	45	418	42.0	8.42	46.7	46.4	9.92	46.9	49.9	11.05	47.1	53.5	11.59	47.2	54.8	11.81	47.3
	45	627	42.6	8.16	46.2	47.0	9.61	46.3	50.6	10.71	46.4	54.2	11.23	46.5	55.6	11.44	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	209	166.9	37.22	-3.9	164.3	35.53	-3.8	159.1	34.62	-3.5	149.4	32.08	-3.0	144.1	29.65	-2.8
	5	418	171.8	36.94	0.4	167.9	35.80	0.5	162.2	35.18	0.6	151.9	32.51	0.9	146.1	30.06	1.0
	5	627	173.1	38.24	1.9	169.1	36.99	2.0	163.1	35.83	2.1	153.2	33.21	2.3	147.8	31.20	2.3
	10	209	167.9	33.30	0.8	164.8	31.79	0.9	159.1	31.22	1.2	149.4	28.92	1.7	144.1	26.89	2.0
	10	418	171.8	33.03	5.2	167.9	31.88	5.3	162.2	31.44	5.5	151.9	28.84	5.8	146.1	26.86	5.9
	10	627	173.1	33.71	6.8	169.6	32.59	6.9	164.1	31.62	7.0	153.2	29.04	7.2	147.8	27.40	7.2
	15	209	168.7	29.78	5.5	165.7	28.24	5.6	163.4	28.40	5.7	151.7	25.76	6.4	145.4	24.22	6.7
	15	418	173.9	28.57	10.0	170.5	27.75	10.1	168.6	28.18	10.2	156.8	25.03	10.5	149.5	23.38	10.7
	15	627	175.3	29.61	11.7	173.1	28.72	11.7	171.7	28.18	11.7	159.3	24.96	11.9	152.8	24.39	12.1
	20	209	174.8	27.38	9.9	171.8	25.87	10.0	169.5	25.69	10.1	157.6	23.00	10.8	150.3	22.83	11.3
	20	418	180.5	26.33	14.7	177.4	25.92	14.8	174.2	26.94	14.9	162.6	23.73	15.2	155.7	22.93	15.4
	20	627	181.8	26.62	16.5	179.1	25.78	16.5	177.9	25.87	16.5	164.7	23.25	16.8	157.3	22.92	16.9
	25	209	183.1	26.18	14.2	178.7	25.13	14.5	177.0	25.03	14.6	165.6	22.77	15.2	159.0	21.77	15.6
	25	418	183.1	25.78	19.6	178.7	24.96	19.7	177.0	24.58	19.8	165.6	22.41	20.1	159.0	21.89	20.3
	25	627	183.1	25.25	21.4	178.7	23.99	21.5	177.0	24.05	21.5	165.6	22.57	21.7	159.0	20.52	21.8
	30	209	183.1	25.43	19.2	178.7	23.95	19.4	177.0	24.01	19.5	165.6	21.41	20.1	159.0	21.61	20.6
	30	418	183.1	24.58	24.6	178.7	23.78	24.7	177.0	23.43	24.7	165.6	21.60	25.1	159.0	20.19	25.2
	30	627	183.1	24.05	26.4	178.7	22.81	26.4	177.0	22.85	26.5	165.6	20.17	26.7	159.0	21.04	26.8
	35	209	183.1	24.23	24.1	178.7	23.16	24.3	177.0	23.07	24.4	165.6	20.63	25.1	159.0	19.31	25.4
	35	418	183.1	23.43	29.5	178.7	22.64	29.6	177.0	22.63	29.7	165.6	20.40	30.0	159.0	18.86	30.2
	35	627	183.1	23.43	31.4	178.7	22.24	31.4	177.0	22.00	31.5	165.6	19.81	31.7	159.0	18.38	31.8
	40	209	183.1	23.43	29.1	178.7	22.37	29.3	177.0	22.23	29.4	165.6	19.85	30.0	159.0	19.03	30.4
	40	418	183.1	22.62	34.5	178.7	21.80	34.6	177.0	21.47	34.7	165.6	19.14	35.0	159.0	18.32	35.2
	40	627	183.1	22.00	36.3	178.7	21.28	36.4	177.0	21.47	36.4	165.6	19.14	36.7	159.0	18.32	36.8
	45	209	183.1	22.62	34.0	178.7	21.63	34.2	177.0	21.47	34.3	165.6	18.94	34.9	159.0	18.84	35.4
	45	418	183.1	21.87	39.5	178.7	21.06	39.6	177.0	20.27	39.6	165.6	17.71	39.9	159.0	17.75	40.2
	45	627	183.1	20.62	41.3	178.7	20.27	41.4	177.0	20.89	41.4	165.6	18.24	41.6	159.0	18.34	41.8
120	5	209	159.0	36.92	-3.4	156.4	35.39	-3.3	151.2	34.38	-3.0	142.4	31.62	-2.6	136.3	29.21	-2.3
	5	418	163.0	37.44	0.7	159.5	36.10	0.8	153.1	35.18	1.0	144.1	32.28	1.2	138.0	29.56	1.3
	5	627	164.3	37.78	2.1	158.1	36.49	2.2	154.0	35.83	2.3	144.9	32.92	2.4	138.8	30.19	2.5
	10	209	159.9	33.04	1.3	156.9	31.66	1.4	151.3	31.00	1.8	142.4	28.50	2.2	136.3	26.49	2.5
	10	418	163.0	33.48	5.6	159.5	32.15	5.6	153.1	31.44	5.8	144.1	28.63	6.0	138.0	26.42	6.2
	10	627	164.3	33.30	7.0	158.6	32.15	7.1	154.9	31.62	7.2	144.9	28.79	7.3	138.8	26.52	7.4
	15	209	160.8	29.25	6.0	157.3	27.97	6.1	155.3	27.95	6.3	144.6	25.38	6.8	137.5	23.82	7.2
	15	418	164.3	29.51	10.4	161.2	28.24	10.4	158.8	28.18	10.5	147.9	25.03	10.8	140.4	23.06	11.0
	15	627	165.6	28.85	11.9	161.2	27.84	12.0	160.6	28.18	12.0	149.6	24.96	12.2	142.1	23.05	12.3
	20	209	165.1	26.26	10.5	162.1	24.86	10.6	159.3	24.57	10.8	148.4	22.26	11.4	140.8	22.16	11.9
	20	418	169.5	25.98	15.1	166.0	25.39	15.2	162.4	26.22	15.3	151.7	22.94	15.6	144.5	21.62	15.8
	20	627	170.3	25.91	16.7	165.6	24.95	16.8	165.0	25.02	16.8	153.4	22.47	17.0	145.8	21.74	17.2
	25	209	172.1	24.75	14.9	166.9	23.28	15.2	164.1	23.19	15.3	153.4	20.95	15.9	147.0	19.96	16.3
	25	418	172.5	24.40	19.9	166.9	23.15	20.1	164.1	23.06	20.2	153.4	20.55	20.4	147.0	20.08	20.6
	25	627	173.4	23.01	21.6	166.9	22.23	21.7	164.1	22.44	21.8	153.4	21.25	22.0	147.0	18.78	22.1
	30	209	173.0	23.55	19.8	166.9	22.15	20.1	164.1	21.86	20.2	153.4	19.20	20.8	147.0	19.35	21.2
	30	418	173.0	22.79	24.9	166.9	21.62	25.0	164.1	21.46	25.1	153.4	19.34	25.4	147.0	18.03	25.6
	30	627	173.0	21.68	26.5	166.9	20.87	26.7	164.1	20.83	26.7	153.4	18.56	26.9	147.0	18.79	27.1
	35	209	173.0	22.39	24.7	166.9	20.96	25.0	164.1	20.66	25.2	153.4	18.43	25.7	147.0	17.14	26.1
	35	418	173.0	21.10	29.8	166.9	20.17	30.0	164.1	19.86	30.1	153.4	17.77	30.3	147.0	16.41	30.5
	35	627	173.0	20.74	31.5	166.9	19.95	31.6	164.1	19.86	31.7	153.4	17.77	31.9	147.0	16.41	32.0
	40	209	173.0	21.59	29.6	166.9	19.95	29.9	164.1	19.46	30.1	153.4	17.25	30.7	147.0	16.48	31.0
	40	418	173.0	19.94	34.8	166.9	19.03	34.9	164.1	18.65	35.0	153.4	16.57	35.3	147.0	15.76	35.5
	40	627	173.0	19.54	36.5	166.9	18.63	36.6	164.1	18.65	36.7	153.4	16.57	36.9	147.0	15.76	37.0
	45	209	173.0	20.84	34.6	166.9	18.94	34.9	164.1	18.30	35.0	153.4	15.99	35.6	147.0	15.83	36.0
	45	418	173.0	18.74	39.7	166.9	17.84	39.9	164.1	17.45	40.0	153.4	15.19	40.3	147.0	15.11	40.5
	45	627	173.0	18.38	41.5	166.9	17.36	41.6	164.1	17.45	41.6	153.4	15.19	41.8	147.0	15.11	42.0
110	5	209	152.1	37.32	-2.9	148.8	35.53	-2.8	143.2	34.47	-2.5	135.4	31.62	-2.1	128.4	29.21	-1.8
	5	418	155.2	37.59	1.0	150.5	36.10	1.1	144.6	35.18	1.2	136.2	32.28	1.4	129.2	29.56	1.6
	5	627	156.5	38.14	2.3	151.4	36.49	2.4	145.1	35.53	2.5	136.2	32.59	2.6	129.7	30.19	2.7
	10	209	153.0	33.39	1.8	149.2	31.79	1.9	143.3	31.09	2.3	135.4	28.50	2.7	128.4	26.49	3.0
	10	418	155.2	33.62	5.8	150.5	32.15	5.9	144.6	31.44	6.1	136.2	28.63	6.3	129.2	26.42	6.5
	10	627	156.5	33.62	7.2	151.8	32.15	7.3	146.0	31.36	7.4	136.2	28.50	7.5	129.7	26.52	7.6
	15	209	153.4	29.43	6.5	149.7	28.24	6.7	147.1	28.18	6.8	137.4	25.38	7.3	129.6	23.82	7.7
	15	418	156.0	29.25	10.7	151.8	28.24	10.8	148.8	28.18	10.9	138.7	25.03	11.1	131.2	23.06	11.3
	15	627	157.3	28.98	12.1	152.7	27.84	12.1	150.2	27.60	12.2	139.5	24.42	12.4	131.6	23.05	12.5
	20	209	156.5	25.50	11.0	152.3	24.46	11.2	149.3	24.21	11.4	138.7	21.89	12.0	131.2	21.46	12.5
	20	418	159.9	25.40	15.4	154.0	24.59	15.6	150.5	25.40	15.7	140.8	22.23	15.9	132.9	20.60	16.2
	20	627	161.2	25.68	16.9	156.2	24.46	17.0	152.4	24.21	17.1	141.6	21.20	17.2	134.1	20.60	17.4
	25	209	160.8	23.10	15.6	155.7	21.87	15.8	151.9	21.85	16.1	141.6	19.46	16.6	134.5	18.19	17.0
	25	418	162.1	22.96	20.2	155.7	21.52	20.4	151.9	21.45	20.5	141.6	19.10	20.8	134.5	18.23	21.0
	25	627	163.4	22.97	21.8	155.7	21.66	21.9	151.9	20.83	22.0	141.6	19.75	22.2	134.5	17.04	22.3
	30	209	163.0	21.00	20.3	155.7	19.94	20.7	151.9	19.45	20.9	141.6	17.40	21.5	134.5	16.75	21.9
	30	418	163.0	20.65	25.1	155.7	19.55	25.3	151.9	19.04	25.4	141.6	17.46	25.7	134.5	15.84	25.9
	30	627	163.0	20.42	26.7	155.7	18.98	26.9	151.9	18.42	26.9	141.6	16.27	27.1	134.5	16.51	27.3
	35	209	163.0	19.84	25.2	155.7	18.36	25.6	151.9	17.89	25.8	141.6	15.86	26.4	134.5	14.64	26.8
	35	418	163.0	19.04	30.1	155.7	18.01	30.3	151.9	17.44	30.4	141.6	15.56	30.7	134.5	14.25	30.9
	35	627	163.0	18.33	31.7	155.7	17.40	31.8	151.9	16.90	31.9	141.6	15.56	32.1	134.5	14.25	32.3
	40	209	163.0	18.64	30.1	155.7	17.62	30.5	151.9	16.68	30.7	141.6	14.68	31.3	134.5	13.88	31.7
	40	418	163.0	17.88	35.0	155.7	16.83	35.2	151.9	15.88	35.3	141.6	14.33	35.6	134.5	13.58	35.9
	40	627	163.0	17.48	36.7	155.7	16.21	36.8	151.9	15.88	36.9	141.6	13.75	37.1	134.5	13.00	37.2
	45	209	163.0	17.44	35.0	155.7	16.83	35.5	151.9	15.48	35.6	141.6	13.49	36.2	134.5	13.15	36.7
	45	418	163.0	16.68	40.0	155.7	15.64	40.2	151.9	14.27	40.3	141.6	12.99	40.6	134.5	12.85	40.8
	45	627	163.0	16.68	41.7	155.7	15.02	41.8	151.9	14.90	41.9	141.6	11.94	42.0	134.5	11.66	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	209	145.2	37.43	-2.4	140.0	35.99	-2.1	135.0	34.58	-1.9	127.4	31.71	-1.6	120.3	28.85	-1.3
	5	418	147.4	38.10	1.3	141.3	36.60	1.4	135.5	35.28	1.6	127.4	32.38	1.7	120.3	29.42	1.9
	5	627	148.7	38.46	2.5	141.7	37.00	2.6	135.1	35.64	2.7	127.4	32.68	2.8	120.3	29.69	2.9
	10	209	146.1	33.49	2.3	140.4	32.20	2.6	135.0	31.19	2.9	127.4	28.59	3.2	120.3	26.16	3.5
	10	418	147.4	34.08	6.1	141.3	32.60	6.3	135.5	31.54	6.4	127.4	28.72	6.6	120.3	26.30	6.8
	10	627	148.7	33.90	7.4	142.2	32.60	7.5	135.9	31.45	7.6	127.4	28.59	7.7	120.3	26.08	7.8
	15	209	146.5	29.51	7.0	141.3	28.46	7.3	138.6	28.26	7.4	129.4	25.46	7.9	121.4	23.52	8.3
	15	418	147.4	30.10	11.0	141.3	28.54	11.1	138.6	28.26	11.2	129.4	25.11	11.4	121.4	23.13	11.6
	15	627	149.1	29.34	12.3	142.6	28.19	12.4	138.6	27.68	12.5	129.4	24.49	12.6	121.4	22.55	12.7
	20	209	147.8	25.22	11.6	141.7	24.14	11.9	138.6	23.88	12.1	129.4	21.58	12.6	121.4	20.39	13.1
	20	418	150.0	25.43	15.7	142.2	24.36	16.0	138.6	23.88	16.1	129.4	21.58	16.3	121.4	19.60	16.5
	20	627	151.3	25.00	17.1	144.3	23.92	17.2	138.6	23.25	17.4	129.4	20.57	17.5	121.4	19.03	17.7
	25	209	149.5	22.00	16.3	143.9	20.83	16.6	138.6	20.30	16.9	129.4	18.06	17.4	121.4	16.47	17.8
	25	418	151.7	22.05	20.6	143.9	20.39	20.8	138.6	19.90	20.9	129.4	17.66	21.2	121.4	16.47	21.4
	25	627	153.0	21.33	22.0	143.9	20.17	22.2	138.6	19.32	22.3	129.4	17.66	22.4	121.4	15.86	22.6
	30	209	152.6	19.90	20.9	143.9	18.06	21.4	138.6	17.13	21.7	129.4	15.28	22.2	121.4	14.54	22.7
	30	418	152.6	19.50	25.4	143.9	17.66	25.7	138.6	16.95	25.8	129.4	15.28	26.1	121.4	14.10	26.3
	30	627	152.6	18.92	26.9	143.9	17.66	27.1	138.6	16.59	27.2	129.4	14.67	27.4	121.4	14.10	27.5
	35	209	152.6	18.33	25.8	143.9	16.47	26.3	138.6	15.12	26.5	129.4	13.70	27.1	121.4	12.51	27.5
	35	418	152.6	17.49	30.4	143.9	15.68	30.6	138.6	14.94	30.8	129.4	13.35	31.0	121.4	12.16	31.3
	35	627	152.6	17.49	31.9	143.9	15.68	32.1	138.6	14.62	32.2	129.4	13.35	32.3	121.4	12.16	32.5
	40	209	152.6	17.13	30.7	143.9	15.28	31.2	138.6	13.55	31.4	129.4	12.16	32.0	121.4	11.36	32.5
	40	418	152.6	16.32	35.3	143.9	14.54	35.6	138.6	13.37	35.7	129.4	11.76	36.0	121.4	11.01	36.2
	40	627	152.6	15.74	36.9	143.9	14.54	37.0	138.6	13.01	37.1	129.4	11.76	37.3	121.4	11.01	37.5
	45	209	152.6	15.92	35.6	143.9	14.10	36.1	138.6	11.94	36.3	129.4	10.57	36.9	121.4	10.18	37.4
	45	418	152.6	15.12	40.3	143.9	13.35	40.5	138.6	11.76	40.7	129.4	10.18	40.9	121.4	9.82	41.2
	45	627	152.6	13.95	41.8	143.9	13.35	42.0	138.6	11.40	42.1	129.4	10.18	42.3	121.4	9.82	42.5
90	5	209	130.5	34.87	-1.6	126.2	32.93	-1.4	122.3	31.09	-1.3	112.3	28.56	-0.7	103.2	25.61	-0.3
	5	418	131.4	35.50	1.7	125.8	33.56	1.8	122.3	31.69	1.9	112.3	29.15	2.1	103.2	26.12	2.4
	5	627	132.3	35.82	2.8	126.6	33.88	2.9	122.3	32.06	2.9	112.3	29.43	3.1	103.2	26.44	3.2
	10	209	131.4	30.67	3.1	126.6	29.18	3.3	122.3	28.05	3.5	112.3	25.75	4.1	103.2	23.26	4.5
	10	418	131.0	30.76	6.6	126.2	29.31	6.7	122.3	28.14	6.8	112.3	25.65	7.0	103.2	23.31	7.3
	10	627	132.3	30.67	7.7	126.6	29.18	7.8	122.3	28.05	7.8	112.3	25.79	8.0	103.2	23.44	8.2
	15	209	131.8	26.47	7.8	127.1	25.47	8.0	122.3	25.01	8.3	114.5	22.94	8.7	108.9	20.91	9.0
	15	418	131.0	26.02	11.4	126.2	25.07	11.5	122.3	24.60	11.6	114.5	22.15	11.8	108.9	20.50	12.0
	15	627	132.3	25.47	12.6	126.6	24.53	12.7	122.3	23.95	12.8	114.5	22.15	12.9	108.9	20.50	13.0
	20	209	132.7	22.40	12.4	127.5	21.73	12.7	122.3	21.32	13.1	114.5	19.67	13.5	108.9	18.47	13.8
	20	418	132.3	22.40	16.2	126.6	21.45	16.4	124.7	21.32	16.5	114.5	18.88	16.7	108.9	17.64	16.9
	20	627	132.7	21.86	17.5	127.1	21.23	17.6	124.7	21.32	17.6	114.5	18.88	17.8	108.9	17.64	17.9
	25	209	135.3	19.56	17.1	129.2	18.52	17.4	124.7	18.36	17.7	114.5	16.40	18.3	108.9	15.20	18.6
	25	418	136.6	19.38	21.0	129.2	18.34	21.2	124.7	17.99	21.3	114.5	15.98	21.6	108.9	14.74	21.8
	25	627	137.5	18.61	22.3	129.2	17.71	22.5	124.7	17.99	22.6	114.5	15.98	22.7	108.9	14.74	22.8
	30	209	137.0	17.66	21.8	129.2	16.49	22.3	124.7	15.87	22.5	114.5	14.32	23.1	108.9	13.08	23.4
	30	418	137.0	17.30	25.9	129.2	16.08	26.1	124.7	15.50	26.3	114.5	13.96	26.6	108.9	13.08	26.7
	30	627	137.0	16.67	27.2	129.2	15.45	27.4	124.7	15.50	27.5	114.5	13.96	27.7	108.9	12.53	27.8
	35	209	137.0	16.08	26.7	129.2	14.91	27.2	124.7	14.23	27.4	114.5	12.71	28.0	108.9	11.88	28.3
	35	418	137.0	16.40	30.9	129.2	14.45	31.1	124.7	13.81	31.2	114.5	12.30	31.5	108.9	11.88	31.7
	35	627	137.0	15.04	32.2	129.2	14.74	32.4	124.7	13.15	32.4	114.5	12.30	32.7	108.9	11.88	32.8
	40	209	137.0	14.91	31.6	129.2	13.69	32.1	124.7	12.54	32.3	114.5	11.51	32.9	108.9	10.64	33.3
	40	418	137.0	14.05	35.8	129.2	13.28	36.0	124.7	12.12	36.1	114.5	11.05	36.5	108.9	10.27	36.6
	40	627	137.0	14.05	37.2	129.2	13.28	37.3	124.7	12.12	37.4	114.5	11.05	37.6	108.9	10.64	37.8
	45	209	137.0	13.69	36.5	129.2	12.47	37.0	124.7	10.85	37.2	114.5	10.27	37.8	108.9	9.40	38.2
	45	418	137.0	12.47	40.7	129.2	12.06	41.0	124.7	10.47	41.1	114.5	9.86	41.4	108.9	9.03	41.6
	45	627	137.0	14.32	42.2	129.2	12.69	42.3	124.7	11.04	42.4	114.5	9.86	42.6	108.9	9.03	42.7
80	5	209	124.0	28.60	-1.5	116.1	27.01	-1.1	112.7	25.50	-1.0	103.5	23.42	-0.5	95.0	21.00	-0.1
	5	418	124.0	29.12	1.7	116.1	27.53	2.0	112.7	25.99	2.0	103.5	23.91	2.3	95.0	21.42	2.5
	5	627	124.0	29.38	2.8	116.1	27.79	3.0	112.7	26.29	3.0	103.5	24.14	3.2	95.0	21.68	3.3
	10	209	124.0	25.15	3.2	116.1	23.93	3.7	112.7	23.01	3.8	103.5	21.12	4.4	95.0	19.08	4.8
	10	418	124.0	25.23	6.6	116.1	24.04	6.8	112.7	23.08	6.9	103.5	21.04	7.2	95.0	19.12	7.4
	10	627	124.0	25.15	7.7	116.1	23.93	7.9	112.7	23.01	7.9	103.5	21.16	8.1	95.0	19.23	8.3
	15	209	124.0	21.71	8.0	116.1	20.89	8.5	112.7	20.51	8.7	104.0	18.81	9.2	98.1	17.15	9.5
	15	418	124.0	21.34	11.5	116.1	20.56	11.7	112.7	20.17	11.8	104.0	18.17	12.1	98.1	16.81	12.2
	15	627	124.0	20.89	12.6	116.1	20.12	12.8	112.7	19.64	12.9	104.0	18.17	13.0	98.1	16.81	13.1
	20	209	124.0	18.38	12.8	116.1	17.82	13.3	112.7	17.49	13.5	104.0	16.13	14.0	98.1	15.15	14.3
	20	418	124.0	18.38	16.4	116.1	17.60	16.6	112.7	17.83	16.7	104.0	15.49	17.0	98.1	14.47	17.1
	20	627	124.0	17.93	17.6	116.1	17.41	17.7	112.7	17.83	17.8	104.0	15.49	18.0	98.1	14.47	18.1
	25	209	124.7	16.04	17.6	116.7	15.19	18.0	112.7	15.06	18.3	104.0	13.45	18.8	98.1	12.47	19.1
	25	418	124.7	15.89	21.3	116.7	15.04	21.5	112.7	14.75	21.6	104.0	13.11	21.9	98.1	12.09	22.1
	25	627	124.7	15.26	22.5	116.7	14.52	22.7	112.7	14.75	22.8	104.0	13.11	22.9	98.1	12.09	23.0
	30	209	124.7	14.49	22.4	116.7	13.52	22.9	112.7	13.02	23.2	104.0	11.75	23.7	98.1	10.73	24.0
	30	418	124.7	14.19	26.2	116.7	13.19	26.5	112.7	12.71	26.6	104.0	11.45	26.8	98.1	10.73	27.0
	30	627	124.7	13.67	27.5	116.7	12.67	27.6	112.7	12.71	27.7	104.0	11.45	27.9	98.1	10.28	28.0
	35	209	124.7	13.19	27.4	116.7	12.23	27.8	112.7	11.67	28.1	104.0	10.43	28.6	98.1	9.75	28.9
	35	418	124.7	13.45	31.2	116.7	11.85	31.4	112.7	11.33	31.5	104.0	10.09	31.8	98.1	9.75	32.0
	35	627	124.7	12.34	32.4	116.7	12.09	32.6	112.7	10.79	32.7	104.0	10.09	32.9	98.1	9.75	33.0
	40	209	124.7	12.23	32.3	116.7	11.23	32.8	112.7	10.29	33.0	104.0	9.44	33.5	98.1	8.73	33.9
	40	418	124.7	11.52	36.1	116.7	10.89	36.4	112.7	9.94	36.5	104.0	9.07	36.7	98.1	8.42	36.9
	40	627	124.7	11.52	37.4	116.7	10.89	37.6	112.7	9.94	37.7	104.0	9.07	37.8	98.1	8.73	38.0
	45	209	124.7	11.52	37.2	116.7	10.89	37.7	112.7	9.94	38.0	104.0	9.07	38.5	98.1	8.73	38.9
	45	418	124.7	11.52	41.1	116.7	10.89	41.4	112.7	9.94	41.5	104.0	9.07	41.7	98.1	8.73	41.9
	45	627	124.7	11.52	42.4	116.7	10.89	42.6	112.7	9.94	42.7	104.0	9.07	42.8	98.1	8.73	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	209	107.4	23.99	-0.7	100.6	22.65	-0.3	97.7	21.39	-0.2	89.7	19.64	0.2	82.4	17.62	0.6
	5	418	107.4	24.42	2.2	100.6	23.09	2.3	97.7	21.80	2.4	89.7	20.06	2.6	82.4	17.97	2.8
	5	627	107.4	24.64	3.1	100.6	23.30	3.2	97.7	22.05	3.3	89.7	20.25	3.4	82.4	18.19	3.5
	10	209	107.4	21.10	4.1	100.6	20.07	4.5	97.7	19.30	4.6	89.7	17.71	5.1	82.4	16.00	5.4
	10	418	107.4	21.16	7.0	100.6	20.17	7.2	97.7	19.36	7.3	89.7	17.65	7.5	82.4	16.03	7.7
	10	627	107.4	21.10	8.0	100.6	20.07	8.2	97.7	19.30	8.2	89.7	17.74	8.4	82.4	16.13	8.5
	15	209	107.4	18.21	8.9	100.6	17.52	9.3	97.7	17.20	9.5	90.2	15.78	9.9	85.0	14.38	10.2
	15	418	107.4	17.90	11.9	100.6	17.24	12.1	97.7	16.92	12.2	90.2	15.24	12.4	85.0	14.10	12.6
	15	627	107.4	17.52	12.9	100.6	16.87	13.1	97.7	16.48	13.1	90.2	15.24	13.3	85.0	14.10	13.4
	20	209	107.4	15.41	13.7	100.6	14.95	14.1	97.7	14.67	14.3	90.2	13.53	14.7	85.0	12.71	15.0
	20	418	107.4	15.41	16.8	100.6	14.76	17.1	97.7	14.96	17.2	90.2	12.99	17.4	85.0	12.14	17.5
	20	627	107.4	15.04	17.9	100.6	14.60	18.0	97.7	14.96	18.1	90.2	12.99	18.2	85.0	12.14	18.3
	25	209	108.0	13.45	18.5	101.1	12.74	18.9	97.7	12.63	19.2	90.2	11.28	19.6	85.0	10.46	19.9
	25	418	108.0	13.33	21.8	101.1	12.62	22.0	97.7	12.37	22.1	90.2	10.99	22.3	85.0	10.14	22.4
	25	627	108.0	12.80	22.8	101.1	12.18	23.0	97.7	12.37	23.0	90.2	10.99	23.2	85.0	10.14	23.3
	30	209	108.0	12.15	23.4	101.1	11.34	23.8	97.7	10.92	24.0	90.2	9.85	24.5	85.0	9.00	24.8
	30	418	108.0	11.90	26.7	101.1	11.06	26.9	97.7	10.66	27.0	90.2	9.60	27.2	85.0	9.00	27.4
	30	627	108.0	11.47	27.8	101.1	10.63	27.9	97.7	10.66	28.0	90.2	9.60	28.2	85.0	8.62	28.3
	35	209	108.0	11.06	28.3	101.1	10.25	28.8	97.7	9.79	29.0	90.2	8.74	29.4	85.0	8.17	29.7
	35	418	108.0	11.28	31.7	101.1	9.94	31.9	97.7	9.50	32.0	90.2	8.46	32.2	85.0	8.17	32.4
	35	627	108.0	10.35	32.8	101.1	10.14	32.9	97.7	9.05	33.0	90.2	8.46	33.1	85.0	8.17	33.2
	40	209	108.0	10.25	33.3	101.1	9.41	33.7	97.7	8.63	33.9	90.2	7.92	34.4	85.0	7.32	34.7
	40	418	108.0	9.66	36.6	101.1	9.14	36.8	97.7	8.34	36.9	90.2	7.60	37.2	85.0	7.07	37.3
	40	627	108.0	9.66	37.8	101.1	9.14	37.9	97.7	8.34	38.0	90.2	7.60	38.1	85.0	7.32	38.2
	45	209	108.0	9.66	38.3	101.1	9.14	38.7	97.7	8.34	38.9	90.2	7.60	39.3	85.0	7.32	39.7
	45	418	108.0	9.66	41.6	101.1	9.14	41.8	97.7	8.34	41.9	90.2	7.60	42.2	85.0	7.32	42.3
	45	627	108.0	9.66	42.8	101.1	9.14	42.9	97.7	8.34	43.0	90.2	7.60	43.1	85.0	7.32	43.2
60	5	209	92.0	19.29	0.0	86.1	18.22	0.3	83.6	17.20	0.4	76.8	15.80	0.8	70.5	14.17	1.1
	5	418	92.0	19.64	2.5	86.1	18.57	2.7	83.6	17.53	2.7	76.8	16.13	2.9	70.5	14.45	3.1
	5	627	92.0	19.82	3.4	86.1	18.74	3.5	83.6	17.74	3.5	76.8	16.29	3.6	70.5	14.63	3.7
	10	209	92.0	16.97	4.9	86.1	16.15	5.2	83.6	15.52	5.3	76.8	14.25	5.7	70.5	12.87	6.0
	10	418	92.0	17.02	7.4	86.1	16.22	7.6	83.6	15.57	7.7	76.8	14.20	7.9	70.5	12.90	8.0
	10	627	92.0	16.97	8.3	86.1	16.15	8.4	83.6	15.52	8.4	76.8	14.27	8.6	70.5	12.97	8.7
	15	209	92.0	14.65	9.7	86.1	14.10	10.1	83.6	13.84	10.2	77.2	12.69	10.6	72.7	11.57	10.8
	15	418	92.0	14.40	12.3	86.1	13.87	12.5	83.6	13.61	12.6	77.2	12.26	12.8	72.7	11.34	12.9
	15	627	92.0	14.10	13.2	86.1	13.57	13.3	83.6	13.25	13.4	77.2	12.26	13.5	72.7	11.34	13.6
	20	209	92.0	12.40	14.5	86.1	12.02	14.9	83.6	11.80	15.1	77.2	10.88	15.5	72.7	10.22	15.7
	20	418	92.0	12.40	17.3	86.1	11.87	17.5	83.6	12.03	17.5	77.2	10.45	17.7	72.7	9.76	17.8
	20	627	92.0	12.10	18.2	86.1	11.75	18.3	83.6	12.03	18.4	77.2	10.45	18.5	72.7	9.76	18.6
	25	209	92.5	10.82	19.4	86.5	10.25	19.8	83.6	10.16	20.0	77.2	9.07	20.3	72.7	8.41	20.6
	25	418	92.5	10.72	22.2	86.5	10.15	22.4	83.6	9.95	22.5	77.2	8.84	22.7	72.7	8.16	22.8
	25	627	92.5	10.30	23.1	86.5	9.80	23.2	83.6	9.95	23.3	77.2	8.84	23.4	72.7	8.16	23.5
	30	209	92.5	9.77	24.3	86.5	9.12	24.7	83.6	8.78	24.9	77.2	7.93	25.3	72.7	7.24	25.5
	30	418	92.5	9.57	27.2	86.5	8.90	27.3	83.6	8.58	27.4	77.2	7.72	27.6	72.7	7.24	27.8
	30	627	92.5	9.22	28.1	86.5	8.55	28.2	83.6	8.58	28.3	77.2	7.72	28.4	72.7	6.93	28.5
	35	209	92.5	8.90	29.3	86.5	8.25	29.6	83.6	7.87	29.8	77.2	7.03	30.2	72.7	6.58	30.5
	35	418	92.5	9.07	32.1	86.5	8.00	32.3	83.6	7.64	32.4	77.2	6.80	32.6	72.7	6.58	32.7
	35	627	92.5	8.32	33.1	86.5	8.16	33.2	83.6	7.28	33.3	77.2	6.80	33.4	72.7	6.58	33.5
	40	209	92.5	8.25	34.2	86.5	7.57	34.6	83.6	6.94	34.7	77.2	6.37	35.1	72.7	5.89	35.4
	40	418	92.5	7.77	37.1	86.5	7.35	37.3	83.6	6.70	37.4	77.2	6.12	37.6	72.7	5.68	37.7
	40	627	92.5	7.77	38.1	86.5	7.35	38.2	83.6	6.70	38.2	77.2	6.12	38.4	72.7	5.89	38.5
	45	209	92.5	7.77	39.2	86.5	7.35	39.6	83.6	6.70	39.7	77.2	6.12	40.1	72.7	5.89	40.4
	45	418	92.5	7.77	42.1	86.5	7.35	42.3	83.6	6.70	42.4	77.2	6.12	42.6	72.7	5.89	42.7
	45	627	92.5	7.77	43.1	86.5	7.35	43.2	83.6	6.70	43.2	77.2	6.12	43.4	72.7	5.89	43.5
50	5	209	76.5	15.42	0.8	71.6	14.56	1.1	69.5	13.75	1.2	63.8	12.63	1.5	58.6	11.33	1.8
	5	418	76.5	15.70	2.9	71.6	14.84	3.1	69.5	14.02	3.1	63.8	12.90	3.3	58.6	11.55	3.4
	5	627	76.5	15.84	3.6	71.6	14.98	3.7	69.5	14.18	3.7	63.8	13.02	3.8	58.6	11.69	3.9
	10	209	76.5	13.56	5.7	71.6	12.91	6.0	69.5	12.41	6.1	63.8	11.39	6.4	58.6	10.29	6.7
	10	418	76.5	13.60	7.8	71.6	12.97	8.0	69.5	12.45	8.0	63.8	11.35	8.2	58.6	10.31	8.3
	10	627	76.5	13.56	8.6	71.6	12.91	8.7	69.5	12.41	8.7	63.8	11.41	8.8	58.6	10.37	8.9
	15	209	76.5	11.71	10.6	71.6	11.27	10.9	69.5	11.06	11.0	64.2	10.15	11.3	60.5	9.25	11.5
	15	418	76.5	11.51	12.8	71.6	11.09	12.9	69.5	10.88	13.0	64.2	9.80	13.1	60.5	9.07	13.2
	15	627	76.5	11.27	13.5	71.6	10.85	13.6	69.5	10.59	13.7	64.2	9.80	13.8	60.5	9.07	13.8
	20	209	76.5	9.91	15.4	71.6	9.61	15.7	69.5	9.43	15.9	64.2	8.70	16.2	60.5	8.17	16.4
	20	418	76.5	9.91	17.7	71.6	9.49	17.9	69.5	9.62	17.9	64.2	8.35	18.1	60.5	7.80	18.2
	20	627	76.5	9.67	18.5	71.6	9.39	18.6	69.5	9.62	18.6	64.2	8.35	18.7	60.5	7.80	18.8
	25	209	76.9	8.65	20.3	72.0	8.19	20.6	69.5	8.12	20.8	64.2	7.25	21.1	60.5	6.72	21.3
	25	418	76.9	8.57	22.7	72.0	8.11	22.8	69.5	7.96	22.9	64.2	7.07	23.0	60.5	6.52	23.1
	25	627	76.9	8.23	23.4	72.0	7.83	23.5	69.5	7.96	23.6	64.2	7.07	23.7	60.5	6.52	23.8
	30	209	76.9	7.81	25.3	72.0	7.29	25.6	69.5	7.02	25.7	64.2	6.34	26.0	60.5	5.79	26.2
	30	418	76.9	7.65	27.6	72.0	7.11	27.8	69.5	6.86	27.9	64.2	6.17	28.0	60.5	5.79	28.1
	30	627	76.9	7.37	28.4	72.0	6.83	28.5	69.5	6.86	28.6	64.2	6.17	28.7	60.5	5.54	28.7
	35	209	76.9	7.11	30.2	72.0	6.59	30.5	69.5	6.29	30.7	64.2	5.62	31.0	60.5	5.26	31.2
	35	418	76.9	7.25	32.6	72.0	6.39	32.8	69.5	6.11	32.8	64.2	5.44	33.0	60.5	5.26	33.1
	35	627	76.9	6.65	33.4	72.0	6.52	33.5	69.5	5.82	33.5	64.2	5.44	33.7	60.5	5.26	33.7
	40	209	76.9	6.59	35.2	72.0	6.05	35.5	69.5	5.55	35.6	64.2	5.09	35.9	60.5	4.71	36.2
	40	418	76.9	6.21	37.6	72.0	5.87	37.7	69.5	5.36	37.8	64.2	4.89	38.0	60.5	4.54	38.1
	40	627	76.9	6.21	38.4	72.0	5.87	38.5	69.5	5.36	38.5	64.2	4.89	38.6	60.5	4.71	38.7
	45	209	76.9	6.21	40.2	72.0	5.87	40.5	69.5	5.36	40.6	64.2	4.89	40.9	60.5	4.71	41.2
	45	418	76.9	6.21	42.6	72.0	5.87	42.7	69.5	5.36	42.8	64.2	4.89	43.0	60.5	4.71	43.1
	45	627	76.9	6.21	43.4	72.0	5.87	43.5	69.5	5.36	43.5	64.2	4.89	43.6	60.5	4.71	43.7

12. Capacity Table

1-19. AM480FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	230	135.4	9.70	19.0	148.8	11.54	20.0	159.8	12.64	20.7	171.6	13.42	21.5	176.2	13.57	21.8
	10	460	135.4	8.99	14.5	148.8	10.66	15.0	159.8	12.05	15.4	171.6	12.66	15.7	176.2	12.66	15.9
	10	690	135.4	8.84	13.0	148.8	10.62	13.3	159.8	11.41	13.6	171.6	12.43	13.8	176.2	12.71	13.9
	15	230	133.0	12.51	24.1	146.4	14.81	25.0	157.4	16.45	25.8	168.7	17.25	26.6	173.3	17.63	26.9
	15	460	133.0	11.66	19.5	146.4	13.73	20.0	157.4	15.32	20.4	168.7	16.12	20.8	173.3	16.48	20.9
	15	690	133.0	11.32	18.0	146.4	13.38	18.3	157.4	14.82	18.6	168.7	15.54	18.8	173.3	16.02	18.9
	20	230	131.0	14.91	29.1	144.4	17.44	30.1	155.5	19.48	30.9	166.3	20.42	31.6	170.9	20.86	31.9
	20	460	131.0	14.62	24.5	144.4	17.18	25.0	155.5	19.20	25.4	166.3	20.18	25.8	170.9	20.56	26.0
	20	690	131.0	14.12	23.0	144.4	16.66	23.3	155.5	18.63	23.6	166.3	19.42	23.9	170.9	20.02	24.0
	25	230	131.0	18.71	34.3	144.4	22.03	35.4	155.5	24.54	36.2	166.3	25.80	37.0	170.9	26.21	37.3
	25	460	131.0	17.49	29.6	144.4	20.56	30.1	155.5	22.87	30.6	166.3	24.10	30.9	170.9	24.49	31.1
	25	690	131.0	16.83	28.1	144.4	19.91	28.4	155.5	22.15	28.7	166.3	23.24	28.9	170.9	23.90	29.0
	30	230	131.0	21.96	39.5	144.4	25.81	40.6	155.5	28.81	41.5	166.3	30.22	42.2	170.9	30.72	42.6
	30	460	131.0	21.59	34.8	144.4	25.40	35.3	155.5	28.27	35.7	166.3	29.77	36.1	170.9	30.37	36.3
	30	690	131.0	20.90	33.2	144.4	24.60	33.5	155.5	27.44	33.8	166.3	28.79	34.1	170.9	29.56	34.2
	35	230	123.9	22.85	44.1	136.8	26.91	45.2	147.0	30.01	46.0	157.8	31.44	46.8	161.5	31.99	47.1
	35	460	123.9	22.41	39.6	136.8	26.47	40.1	147.0	29.48	40.5	157.8	30.99	40.9	161.5	31.63	41.0
	35	690	123.9	21.82	38.0	136.8	25.65	38.4	147.0	28.52	38.6	157.8	29.99	38.9	161.5	30.80	39.0
	40	230	103.6	23.79	47.9	114.1	28.00	48.9	122.9	31.23	49.6	131.6	32.76	50.2	135.3	33.42	50.5
	40	460	104.5	23.39	44.0	115.1	27.58	44.4	123.9	30.66	44.8	132.7	32.26	45.1	136.4	32.96	45.3
	40	690	106.0	22.68	42.7	116.7	26.63	43.0	125.7	29.77	43.2	134.6	31.22	43.4	138.4	32.16	43.5
	45	230	86.4	24.56	51.9	94.8	28.93	52.7	101.9	32.27	53.4	109.3	33.79	53.9	112.2	34.50	54.1
	45	460	87.2	24.16	48.5	95.6	28.45	48.9	102.8	31.67	49.2	110.2	33.40	49.5	113.2	34.05	49.6
	45	690	88.4	23.38	47.3	97.0	27.48	47.6	104.3	30.74	47.8	111.8	32.23	48.0	114.8	33.25	48.1
120	10	230	128.2	9.20	18.6	141.0	10.93	19.5	151.7	12.00	20.2	162.4	12.68	20.9	166.6	12.83	21.2
	10	460	128.2	8.60	14.3	141.0	10.21	14.7	151.7	11.40	15.1	162.4	11.96	15.4	166.6	11.98	15.6
	10	690	128.2	8.20	12.8	141.0	10.06	13.1	151.7	10.77	13.4	162.4	11.77	13.6	166.6	12.15	13.7
	15	230	126.7	11.97	23.6	139.1	14.12	24.5	149.8	15.77	25.3	160.5	16.52	26.0	164.6	16.80	26.3
	15	460	126.7	11.18	19.3	139.1	13.14	19.7	149.8	14.69	20.1	160.5	15.39	20.5	164.6	15.70	20.6
	15	690	126.7	10.79	17.9	139.1	12.79	18.2	149.8	14.14	18.4	160.5	14.87	18.6	164.6	15.34	18.7
	20	230	125.3	14.34	28.7	137.6	16.77	29.6	148.3	18.72	30.4	159.1	19.66	31.1	163.2	20.05	31.4
	20	460	125.3	14.02	24.3	137.6	16.47	24.8	148.3	18.45	25.2	159.1	19.38	25.6	163.2	19.71	25.7
	20	690	125.3	13.62	22.9	137.6	16.06	23.2	148.3	17.88	23.5	159.1	18.68	23.7	163.2	19.22	23.8
	25	230	125.3	17.98	33.9	137.6	21.15	34.9	148.3	23.47	35.7	159.1	24.73	36.5	163.2	25.15	36.7
	25	460	125.3	16.71	29.4	137.6	19.73	29.9	148.3	21.95	30.3	159.1	23.04	30.7	163.2	23.47	30.8
	25	690	125.3	16.10	27.9	137.6	19.03	28.3	148.3	21.24	28.5	159.1	22.28	28.8	163.2	22.83	28.9
	30	230	125.3	21.20	39.1	137.6	24.95	40.1	148.3	27.81	41.0	159.1	29.17	41.7	163.2	29.68	42.0
	30	460	125.3	20.84	34.6	137.6	24.49	35.1	148.3	27.32	35.5	159.1	28.72	35.9	163.2	29.27	36.0
	30	690	125.3	20.15	33.0	137.6	23.74	33.4	148.3	26.49	33.6	159.1	27.85	33.9	163.2	28.50	34.0
	35	230	120.3	22.36	43.9	132.7	26.37	44.9	143.0	29.38	45.7	152.8	30.75	46.4	156.9	31.35	46.7
	35	460	120.3	21.95	39.4	132.7	25.90	39.9	143.0	28.86	40.4	152.8	30.32	40.7	156.9	30.91	40.9
	35	690	120.3	21.30	37.9	132.7	25.13	38.3	143.0	27.91	38.6	152.8	29.32	38.8	156.9	30.12	38.9
	40	230	102.7	23.74	47.9	113.1	27.95	48.8	121.9	31.18	49.5	130.1	32.71	50.1	133.9	33.37	50.4
	40	460	103.5	23.34	44.0	114.1	27.53	44.4	122.9	30.61	44.8	131.2	32.16	45.1	135.0	32.86	45.2
	40	690	105.0	22.63	42.7	115.7	26.68	43.0	124.7	29.72	43.2	133.1	31.22	43.4	136.9	32.01	43.5
	45	230	87.3	24.94	52.0	96.7	29.41	52.9	104.2	32.79	53.5	111.1	34.36	54.1	114.0	35.07	54.3
	45	460	88.1	24.56	48.5	97.5	28.90	48.9	105.1	32.21	49.3	112.0	33.85	49.5	115.0	34.55	49.7
	45	690	89.3	23.73	47.3	98.9	28.03	47.6	106.6	31.24	47.9	113.6	32.83	48.0	116.6	33.55	48.1
110	10	230	121.0	8.61	18.1	132.8	10.33	18.9	143.0	11.31	19.6	153.3	11.99	20.3	157.0	12.10	20.5
	10	460	121.0	8.06	14.0	132.8	9.56	14.4	143.0	10.75	14.8	153.3	11.36	15.1	157.0	11.25	15.2
	10	690	121.0	7.80	12.7	132.8	9.39	13.0	143.0	10.28	13.2	153.3	11.11	13.4	157.0	11.38	13.5
	15	230	120.0	11.39	23.2	131.8	13.48	24.1	142.1	15.04	24.8	152.3	15.74	25.5	156.5	16.07	25.8
	15	460	120.0	10.65	19.1	131.8	12.50	19.5	142.1	14.01	19.9	152.3	14.71	20.2	156.5	14.98	20.3
	15	690	120.0	10.31	17.7	131.8	12.16	18.0	142.1	13.56	18.2	152.3	14.19	18.5	156.5	14.56	18.6
	20	230	119.5	13.76	28.3	131.3	16.10	29.2	141.6	18.00	29.9	151.4	18.85	30.6	155.5	19.24	30.9
	20	460	119.5	13.47	24.1	131.3	15.82	24.6	141.6	17.70	25.0	151.4	18.58	25.3	155.5	18.91	25.4
	20	690	119.5	13.07	22.8	131.3	15.40	23.0	141.6	17.18	23.3	151.4	17.98	23.5	155.5	18.36	23.6
	25	230	119.5	17.20	33.5	131.3	20.22	34.4	141.6	22.50	35.2	151.4	23.61	35.9	155.5	24.03	36.2
	25	460	119.5	16.04	29.2	131.3	18.85	29.7	141.6	20.99	30.1	151.4	22.02	30.4	155.5	22.41	30.5
	25	690	119.5	15.43	27.8	131.3	18.20	28.1	141.6	20.32	28.4	151.4	21.31	28.6	155.5	21.75	28.7
	30	230	119.5	20.44	38.7	131.3	24.04	39.7	141.6	26.82	40.5	151.4	28.13	41.2	155.5	28.64	41.5
	30	460	119.5	20.09	34.4	131.3	23.64	34.8	141.6	26.33	35.2	151.4	27.67	35.6	155.5	28.17	35.7
	30	690	119.5	19.45	32.9	131.3	22.94	33.2	141.6	25.54	33.5	151.4	26.80	33.7	155.5	27.40	33.8
	35	230	116.8	21.88	43.6	129.1	25.77	44.7	138.4	28.74	45.4	148.7	30.07	46.1	152.4	30.67	46.4
	35	460	116.8	21.48	39.3	129.1	25.32	39.8	138.4	28.25	40.2	148.7	29.60	40.6	152.4	30.19	40.7
	35	690	116.8	20.84	37.9	129.1	24.56	38.2	138.4	27.29	38.4	148.7	28.71	38.7	152.4	29.35	38.8
	40	230	101.7	23.74	47.8	112.2	27.95	48.7	120.5	31.13	49.4	129.2	32.66	50.1	132.9	33.32	50.4
	40	460	102.6	23.29	43.9	113.1	27.48	44.4	121.5	30.61	44.7	130.3	32.11	45.1	134.0	32.76	45.2
	40	690	104.0	22.58	42.6	114.7	26.63	42.9	123.3	29.67	43.2	132.1	31.17	43.4	136.0	31.86	43.5
	45	230	89.1	25.41	52.1	98.0	29.89	53.0	105.5	33.31	53.7	113.3	34.93	54.2	116.3	35.64	54.5
	45	460	89.9	24.91	48.6	98.9	29.35	49.0	106.4	32.71	49.3	114.3	34.45	49.6	117.3	35.05	49.7
	45	690	91.2	24.07	47.4	100.3	28.48	47.7	108.0	31.74	47.9	115.9	33.37	48.1	118.9	34.00	48.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	230	113.3	8.17	17.6	125.0	9.62	18.4	134.4	10.72	19.0	144.2	11.25	19.7	147.8	11.46	19.9
	10	460	113.3	7.61	13.8	125.0	9.01	14.2	134.4	10.20	14.5	144.2	10.66	14.8	147.8	10.66	14.9
	10	690	113.3	7.36	12.5	125.0	8.83	12.8	134.4	9.64	13.0	144.2	10.46	13.2	147.8	10.61	13.3
	15	230	113.3	10.91	22.7	125.0	12.84	23.6	134.4	14.31	24.3	144.2	15.01	24.9	147.8	15.29	25.2
	15	460	113.3	10.16	18.8	125.0	11.97	19.3	134.4	13.33	19.6	144.2	13.99	19.9	147.8	14.25	20.1
	15	690	113.3	9.82	17.6	125.0	11.57	17.8	134.4	12.89	18.1	144.2	13.52	18.3	147.8	13.77	18.4
	20	230	113.3	13.14	27.9	125.0	15.48	28.8	134.4	17.24	29.5	144.2	18.09	30.1	147.8	18.43	30.4
	20	460	113.3	12.92	23.9	125.0	15.21	24.4	134.4	16.95	24.7	144.2	17.78	25.0	147.8	18.12	25.2
	20	690	113.3	12.52	22.6	125.0	14.75	22.9	134.4	16.43	23.1	144.2	17.24	23.4	147.8	17.56	23.4
	25	230	113.3	16.38	33.1	125.0	19.28	34.0	134.4	21.49	34.7	144.2	22.54	35.4	147.8	22.96	35.6
	25	460	113.3	15.26	29.0	125.0	17.97	29.5	134.4	20.02	29.8	144.2	21.00	30.1	147.8	21.40	30.3
	25	690	113.3	14.75	27.7	125.0	17.37	28.0	134.4	19.35	28.2	144.2	20.30	28.4	147.8	20.68	28.5
	30	230	113.3	19.68	38.3	125.0	23.17	39.2	134.4	25.82	40.0	144.2	27.09	40.7	147.8	27.59	40.9
	30	460	113.3	19.35	34.1	125.0	22.78	34.6	134.4	25.38	35.0	144.2	26.63	35.3	147.8	27.13	35.5
	30	690	113.3	18.75	32.7	125.0	22.08	33.1	134.4	24.60	33.3	144.2	25.81	33.5	147.8	26.29	33.6
	35	230	113.3	21.39	43.4	125.0	25.18	44.4	134.4	28.06	45.1	144.2	29.43	45.8	147.8	29.99	46.1
	35	460	113.3	21.02	39.2	125.0	24.75	39.7	134.4	27.58	40.0	144.2	28.93	40.4	147.8	29.48	40.5
	35	690	113.3	20.38	37.8	125.0	23.99	38.1	134.4	26.73	38.3	144.2	28.04	38.6	147.8	28.57	38.7
	40	230	100.8	23.70	47.8	111.2	27.90	48.7	119.5	31.09	49.4	128.2	32.61	50.0	131.5	33.22	50.3
	40	460	101.6	23.29	43.9	112.2	27.43	44.3	120.6	30.56	44.7	129.3	32.06	45.0	132.6	32.66	45.1
	40	690	103.1	22.58	42.6	113.8	26.58	42.9	122.3	29.62	43.2	131.2	31.07	43.4	134.5	31.65	43.5
	45	230	90.5	25.79	52.2	99.9	30.37	53.1	107.3	33.84	53.8	115.1	35.50	54.4	118.1	36.16	54.6
	45	460	91.2	25.35	48.6	100.7	29.85	49.1	108.2	33.26	49.4	116.1	34.89	49.7	119.1	35.55	49.8
	45	690	92.5	24.57	47.4	102.2	28.93	47.7	109.8	32.24	48.0	117.8	33.82	48.1	120.8	34.45	48.2
90	10	230	102.2	7.25	16.8	112.8	8.54	17.6	121.2	9.51	18.1	130.0	9.98	18.7	133.3	10.17	18.9
	10	460	102.2	7.13	13.4	112.8	8.39	13.8	121.2	9.35	14.1	130.0	9.81	14.4	133.3	9.99	14.5
	10	690	102.2	6.91	12.3	112.8	8.13	12.5	121.2	9.06	12.7	130.0	9.51	12.9	133.3	9.68	13.0
	15	230	102.2	9.68	22.0	112.8	11.40	22.7	121.2	12.70	23.3	130.0	13.32	23.9	133.3	13.57	24.2
	15	460	102.2	9.51	18.5	112.8	11.20	18.9	121.2	12.48	19.2	130.0	13.09	19.5	133.3	13.34	19.6
	15	690	102.2	9.22	17.3	112.8	10.86	17.6	121.2	12.10	17.8	130.0	12.69	18.0	133.3	12.93	18.0
	20	230	102.2	11.66	27.1	112.8	13.73	27.9	121.2	15.30	28.5	130.0	16.05	29.1	133.3	16.35	29.3
	20	460	102.2	11.47	23.5	112.8	13.50	23.9	121.2	15.04	24.2	130.0	15.78	24.5	133.3	16.07	24.7
	20	690	102.2	11.11	22.4	112.8	13.08	22.6	121.2	14.58	22.8	130.0	15.29	23.0	133.3	15.58	23.1
	25	230	102.2	14.53	32.3	112.8	17.11	33.1	121.2	19.06	33.7	130.0	20.00	34.3	133.3	20.37	34.6
	25	460	102.2	14.28	28.6	112.8	16.82	29.0	121.2	18.74	29.4	130.0	19.66	29.7	133.3	20.03	29.8
	25	690	102.2	13.84	27.4	112.8	16.30	27.7	121.2	18.16	27.9	130.0	19.05	28.1	133.3	19.41	28.2
	30	230	102.2	17.46	37.5	112.8	20.56	38.3	121.2	22.91	39.0	130.0	24.04	39.6	133.3	24.49	39.8
	30	460	102.2	17.17	33.7	112.8	20.21	34.1	121.2	22.52	34.5	130.0	23.63	34.8	133.3	24.07	34.9
	30	690	102.2	16.64	32.5	112.8	19.59	32.7	121.2	21.83	33.0	130.0	22.90	33.2	133.3	23.33	33.3
	35	230	102.2	18.98	42.5	112.8	22.34	43.4	121.2	24.89	44.1	130.0	26.12	44.7	133.3	26.61	45.0
	35	460	102.2	18.65	38.8	112.8	21.96	39.2	121.2	24.47	39.5	130.0	25.67	39.9	133.3	26.15	40.0
	35	690	102.2	18.08	37.5	112.8	21.29	37.8	121.2	23.72	38.0	130.0	24.88	38.2	133.3	25.35	38.3
	40	230	90.9	21.03	47.0	100.3	24.76	47.8	107.8	27.58	48.4	115.6	28.94	49.0	118.6	29.48	49.2
	40	460	91.6	20.67	43.5	101.1	24.34	43.9	108.7	27.11	44.2	116.6	28.45	44.5	119.6	28.98	44.6
	40	690	92.9	20.03	42.3	102.6	23.59	42.6	110.3	26.28	42.8	118.3	27.57	43.0	121.3	28.09	43.1
	45	230	81.6	22.89	51.5	90.1	26.95	52.3	96.8	30.02	52.9	103.8	31.50	53.4	106.5	32.09	53.6
	45	460	82.3	22.50	48.3	90.8	26.49	48.7	97.6	29.51	49.0	104.7	30.96	49.2	107.4	31.54	49.3
	45	690	83.5	21.80	47.2	92.1	25.67	47.4	99.0	28.60	47.7	106.2	30.01	47.8	108.9	30.57	47.9
80	10	230	90.8	5.99	16.0	100.2	7.05	16.7	107.7	7.86	17.2	115.5	8.25	17.7	118.5	8.40	17.9
	10	460	90.8	5.89	13.0	100.2	6.93	13.3	107.7	7.73	13.6	115.5	8.11	13.9	118.5	8.26	13.9
	10	690	90.8	5.71	12.0	100.2	6.72	12.2	107.7	7.49	12.4	115.5	7.86	12.6	118.5	8.00	12.6
	15	230	90.8	8.00	21.2	100.2	9.42	21.8	107.7	10.49	22.4	115.5	11.01	22.9	118.5	11.21	23.1
	15	460	90.8	7.86	18.1	100.2	9.26	18.4	107.7	10.31	18.7	115.5	10.82	18.9	118.5	11.02	19.0
	15	690	90.8	7.62	17.0	100.2	8.97	17.3	107.7	10.00	17.4	115.5	10.49	17.6	118.5	10.68	17.7
	20	230	90.8	9.64	26.3	100.2	11.35	27.0	107.7	12.64	27.5	115.5	13.27	28.0	118.5	13.51	28.2
	20	460	90.8	9.47	23.1	100.2	11.16	23.5	107.7	12.43	23.7	115.5	13.04	24.0	118.5	13.28	24.1
	20	690	90.8	9.18	22.1	100.2	10.81	22.3	107.7	12.05	22.5	115.5	12.64	22.7	118.5	12.87	22.7
	25	230	90.8	12.01	31.4	100.2	14.14	32.1	107.7	15.75	32.7	115.5	16.53	33.2	118.5	16.84	33.4
	25	460	90.8	11.80	28.2	100.2	13.90	28.6	107.7	15.49	28.8	115.5	16.25	29.1	118.5	16.55	29.2
	25	690	90.8	11.44	27.1	100.2	13.47	27.4	107.7	15.01	27.5	115.5	15.75	27.7	118.5	16.04	27.8
	30	230	90.8	14.43	36.6	100.2	16.99	37.3	107.7	18.93	37.9	115.5	19.86	38.4	118.5	20.23	38.6
	30	460	90.8	14.19	33.3	100.2	16.70	33.6	107.7	18.61	33.9	115.5	19.52	34.2	118.5	19.89	34.3
	30	690	90.8	13.75	32.2	100.2	16.19	32.4	107.7	18.04	32.6	115.5	18.92	32.8	118.5	19.28	32.9
	35	230	90.8	15.68	41.6	100.2	18.47	42.4	107.7	20.57	43.0	115.5	21.58	43.5	118.5	21.99	43.8
	35	460	90.8	15.42	38.3	100.2	18.15	38.7	107.7	20.22	39.0	115.5	21.22	39.3	118.5	21.61	39.4
	35	690	90.8	14.94	37.2	100.2	17.59	37.4	107.7	19.60	37.6	115.5	20.56	37.8	118.5	20.95	37.9
	40	230	80.7	17.38	46.1	89.1	20.46	46.8	95.8	22.79	47.4	102.8	23.91	47.9	105.4	24.36	48.1
	40	460	81.4	17.08	43.1	89.9	20.11	43.4	96.6	22.41	43.7	103.6	23.51	44.0	106.3	23.95	44.1
	40	690	82.6	16.55	42.1	91.2	19.49	42.3	98.0	21.72	42.5	105.1	22.78	42.7	107.8	23.21	42.7
	45	230	72.5	18.91	50.7	80.0	22.27	51.4	86.0	24.81	51.9	92.3	26.03	52.4	94.6	26.52	52.5
	45	460	73.1	18.59	47.9	80.7	21.89	48.2	86.7	24.39	48.5	93.0	25.59	48.7	95.4	26.06	48.8
	45	690	74.2	18.02	46.9	81.9	21.22	47.1	88.0	23.64	47.3	94.4	24.80	47.5	96.8	25.26	47.5

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	230	79.4	5.02	15.3	87.6	5.91	15.8	94.2	6.58	16.3	101.0	6.90	16.7	103.6	7.03	16.9
	10	460	79.4	4.93	12.6	87.6	5.81	12.9	94.2	6.47	13.1	101.0	6.79	13.4	103.6	6.91	13.4
	10	690	79.4	4.78	11.7	87.6	5.63	11.9	94.2	6.27	12.1	101.0	6.58	12.2	103.6	6.70	12.3
	15	230	79.4	6.70	20.4	87.6	7.88	21.0	94.2	8.78	21.4	101.0	9.21	21.9	103.6	9.39	22.0
	15	460	79.4	6.58	17.7	87.6	7.75	18.0	94.2	8.63	18.2	101.0	9.06	18.4	103.6	9.23	18.5
	15	690	79.4	6.38	16.8	87.6	7.51	17.0	94.2	8.37	17.1	101.0	8.78	17.3	103.6	8.94	17.3
	20	230	79.4	8.07	25.5	87.6	9.50	26.1	94.2	10.59	26.5	101.0	11.11	27.0	103.6	11.31	27.2
	20	460	79.4	7.93	22.7	87.6	9.34	23.0	94.2	10.41	23.3	101.0	10.92	23.5	103.6	11.12	23.6
	20	690	79.4	7.69	21.8	87.6	9.05	22.0	94.2	10.08	22.2	101.0	10.58	22.3	103.6	10.78	22.4
	25	230	79.4	10.05	30.6	87.6	11.84	31.2	94.2	13.19	31.7	101.0	13.84	32.2	103.6	14.10	32.3
	25	460	79.4	9.88	27.8	87.6	11.64	28.1	94.2	12.96	28.3	101.0	13.60	28.6	103.6	13.86	28.7
	25	690	79.4	9.58	26.8	87.6	11.28	27.1	94.2	12.57	27.2	101.0	13.18	27.4	103.6	13.43	27.4
	30	230	79.4	12.08	35.7	87.6	14.23	36.3	94.2	15.85	36.9	101.0	16.63	37.3	103.6	16.94	37.5
	30	460	79.4	11.88	32.8	87.6	13.98	33.2	94.2	15.58	33.4	101.0	16.35	33.7	103.6	16.65	33.7
	30	690	79.4	11.51	31.9	87.6	13.55	32.1	94.2	15.10	32.3	101.0	15.84	32.4	103.6	16.14	32.5
	35	230	79.4	13.13	40.8	87.6	15.46	41.4	94.2	17.22	41.9	101.0	18.07	42.4	103.6	18.41	42.6
	35	460	79.4	12.91	37.9	87.6	15.20	38.2	94.2	16.93	38.5	101.0	17.76	38.7	103.6	18.09	38.8
	35	690	79.4	12.51	36.9	87.6	14.73	37.1	94.2	16.41	37.3	101.0	17.21	37.5	103.6	17.54	37.5
	40	230	70.6	14.55	45.3	78.0	17.13	45.9	83.8	19.08	46.4	89.9	20.02	46.8	92.2	20.39	47.0
	40	460	71.2	14.30	42.7	78.6	16.84	43.0	84.5	18.76	43.2	90.6	19.68	43.4	92.9	20.05	43.5
	40	690	72.2	13.86	41.8	79.7	16.32	42.0	85.7	18.18	42.2	91.9	19.07	42.3	94.3	19.43	42.4
	45	230	63.4	15.83	49.9	70.0	18.64	50.5	75.2	20.77	51.0	80.7	21.79	51.4	82.8	22.20	51.5
	45	460	63.9	15.56	47.5	70.6	18.33	47.8	75.9	20.42	48.0	81.4	21.42	48.2	83.5	21.82	48.3
	45	690	64.9	15.08	46.7	71.6	17.76	46.9	77.0	19.79	47.0	82.6	20.76	47.1	84.7	21.15	47.2
60	10	230	67.8	3.97	14.5	74.8	4.67	15.0	80.4	5.20	15.3	86.2	5.46	15.7	88.4	5.56	15.9
	10	460	67.8	3.90	12.2	74.8	4.59	12.5	80.4	5.11	12.7	86.2	5.37	12.9	88.4	5.47	12.9
	10	690	67.8	3.78	11.5	74.8	4.45	11.6	80.4	4.96	11.8	86.2	5.20	11.9	88.4	5.30	11.9
	15	230	67.8	5.29	19.6	74.8	6.23	20.0	80.4	6.95	20.4	86.2	7.29	20.8	88.4	7.42	21.0
	15	460	67.8	5.20	17.3	74.8	6.13	17.5	80.4	6.83	17.7	86.2	7.16	17.9	88.4	7.30	18.0
	15	690	67.8	5.04	16.5	74.8	5.94	16.7	80.4	6.62	16.8	86.2	6.94	16.9	88.4	7.07	17.0
	20	230	67.8	6.38	24.6	74.8	7.51	25.1	80.4	8.37	25.5	86.2	8.78	25.9	88.4	8.95	26.1
	20	460	67.8	6.27	22.3	74.8	7.39	22.6	80.4	8.23	22.8	86.2	8.63	23.0	88.4	8.79	23.0
	20	690	67.8	6.08	21.5	74.8	7.16	21.7	80.4	7.97	21.8	86.2	8.37	22.0	88.4	8.52	22.0
	25	230	67.8	7.95	29.7	74.8	9.36	30.2	80.4	10.43	30.7	86.2	10.94	31.1	88.4	11.15	31.2
	25	460	67.8	7.81	27.4	74.8	9.20	27.6	80.4	10.25	27.8	86.2	10.76	28.0	88.4	10.96	28.1
	25	690	67.8	7.57	26.6	74.8	8.92	26.7	80.4	9.94	26.9	86.2	10.42	27.0	88.4	10.62	27.1
	30	230	67.8	9.55	34.8	74.8	11.25	35.4	80.4	12.53	35.8	86.2	13.15	36.2	88.4	13.40	36.3
	30	460	67.8	9.39	32.4	74.8	11.06	32.7	80.4	12.32	32.9	86.2	12.93	33.1	88.4	13.17	33.2
	30	690	67.8	9.10	31.6	74.8	10.72	31.8	80.4	11.94	31.9	86.2	12.53	32.1	88.4	12.76	32.1
	35	230	67.8	10.38	39.9	74.8	12.22	40.4	80.4	13.62	40.9	86.2	14.29	41.3	88.4	14.56	41.4
	35	460	67.8	10.20	37.4	74.8	12.02	37.7	80.4	13.39	37.9	86.2	14.04	38.1	88.4	14.31	38.2
	35	690	67.8	9.89	36.6	74.8	11.65	36.8	80.4	12.98	36.9	86.2	13.61	37.1	88.4	13.87	37.1
	40	230	60.3	11.50	44.5	66.5	13.54	45.0	71.5	15.09	45.4	76.7	15.83	45.8	78.7	16.13	45.9
	40	460	60.8	11.31	42.2	67.1	13.31	42.5	72.1	14.83	42.7	77.4	15.56	42.9	79.3	15.85	43.0
	40	690	61.7	10.96	41.5	68.1	12.90	41.7	73.2	14.38	41.8	78.5	15.08	41.9	80.5	15.36	42.0
	45	230	54.1	12.52	49.2	59.7	14.74	49.6	64.2	16.42	50.0	68.9	17.23	50.4	70.6	17.55	50.5
	45	460	54.6	12.31	47.1	60.2	14.49	47.3	64.8	16.14	47.5	69.5	16.94	47.7	71.2	17.26	47.8
	45	690	55.4	11.93	46.4	61.1	14.04	46.6	65.7	15.65	46.7	70.5	16.42	46.8	72.3	16.72	46.8
50	10	230	56.8	2.91	13.7	62.7	3.42	14.1	67.4	3.81	14.4	72.3	4.00	14.8	74.1	4.08	14.9
	10	460	56.8	2.86	11.9	62.7	3.37	12.1	67.4	3.75	12.2	72.3	3.93	12.4	74.1	4.01	12.4
	10	690	56.8	2.77	11.2	62.7	3.26	11.4	67.4	3.63	11.5	72.3	3.81	11.6	74.1	3.88	11.6
	15	230	56.8	3.88	18.8	62.7	4.57	19.2	67.4	5.09	19.5	72.3	5.34	19.8	74.1	5.44	20.0
	15	460	56.8	3.81	16.9	62.7	4.49	17.1	67.4	5.00	17.3	72.3	5.25	17.4	74.1	5.35	17.5
	15	690	56.8	3.70	16.3	62.7	4.35	16.4	67.4	4.85	16.5	72.3	5.09	16.6	74.1	5.18	16.6
	20	230	56.8	4.68	23.8	62.7	5.51	24.3	67.4	6.14	24.6	72.3	6.44	24.9	74.1	6.56	25.0
	20	460	56.8	4.60	21.9	62.7	5.41	22.1	67.4	6.03	22.3	72.3	6.33	22.4	74.1	6.45	22.5
	20	690	56.8	4.46	21.3	62.7	5.25	21.4	67.4	5.85	21.5	72.3	6.13	21.6	74.1	6.25	21.7
	25	230	56.8	5.83	28.9	62.7	6.86	29.3	67.4	7.64	29.7	72.3	8.02	30.0	74.1	8.17	30.1
	25	460	56.8	5.73	26.9	62.7	6.75	27.2	67.4	7.51	27.3	72.3	7.88	27.5	74.1	8.03	27.6
	25	690	56.8	5.55	26.3	62.7	6.54	26.4	67.4	7.28	26.6	72.3	7.64	26.7	74.1	7.78	26.7
	30	230	56.8	7.00	34.0	62.7	8.25	34.4	67.4	9.19	34.8	72.3	9.64	35.1	74.1	9.82	35.2
	30	460	56.8	6.88	32.0	62.7	8.11	32.2	67.4	9.03	32.4	72.3	9.47	32.5	74.1	9.65	32.6
	30	690	56.8	6.67	31.3	62.7	7.86	31.5	67.4	8.75	31.6	72.3	9.18	31.7	74.1	9.35	31.7
	35	230	56.8	7.61	39.0	62.7	8.96	39.5	67.4	9.98	39.8	72.3	10.47	40.2	74.1	10.67	40.3
	35	460	56.8	7.48	37.0	62.7	8.81	37.2	67.4	9.81	37.4	72.3	10.30	37.6	74.1	10.49	37.6
	35	690	56.8	7.25	36.3	62.7	8.54	36.5	67.4	9.51	36.6	72.3	9.98	36.7	74.1	10.17	36.8
	40	230	50.5	8.43	43.7	55.8	9.93	44.1	60.0	11.06	44.4	64.3	11.60	44.7	65.9	11.82	44.8
	40	460	51.0	8.29	41.8	56.2	9.76	42.1	60.5	10.87	42.2	64.8	11.41	42.4	66.5	11.62	42.4
	40	690	51.7	8.03	41.2	57.1	9.46	41.4	61.3	10.54	41.5	65.8	11.06	41.6	67.5	11.26	41.6
	45	230	45.4	9.18	48.4	50.1	10.81	48.8	53.8	12.04	49.1	57.7	12.63	49.4	59.2	12.87	49.5
	45	460	45.8	9.02	46.7	50.5	10.62	46.9	54.3	11.83	47.1	58.2	12.42	47.2	59.7	12.65	47.3
	45	690	46.4	8.74	46.1	51.2	10.30	46.3	55.1	11.47	46.4	59.1	12.03	46.5	60.6	12.26	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	230	182.1	40.27	-3.8	179.2	38.45	-3.8	173.5	37.46	-3.5	163.0	34.72	-3.0	157.2	32.09	-2.8
	5	460	187.4	39.97	0.4	183.1	38.74	0.5	177.0	38.06	0.7	165.7	35.18	0.9	159.4	32.53	1.0
	5	690	188.8	41.38	1.9	184.4	40.03	2.0	177.9	38.77	2.1	167.1	35.93	2.3	161.2	33.76	2.4
	10	230	183.1	36.04	0.8	179.8	34.40	0.9	173.6	33.79	1.3	163.0	31.29	1.8	157.2	29.10	2.0
	10	460	187.4	35.75	5.3	183.1	34.50	5.4	177.0	34.02	5.5	165.7	31.21	5.8	159.4	29.07	5.9
	10	690	188.8	36.47	6.8	185.0	35.26	6.9	179.0	34.22	7.0	167.1	31.43	7.2	161.2	29.65	7.3
	15	230	184.1	32.23	5.5	180.8	30.56	5.6	178.2	30.73	5.8	165.5	27.87	6.4	158.6	26.21	6.8
	15	460	189.8	30.92	10.1	186.0	30.03	10.1	184.0	30.49	10.2	171.0	27.09	10.5	163.1	25.30	10.7
	15	690	191.2	32.04	11.7	188.8	31.08	11.7	187.3	30.49	11.7	173.8	27.00	12.0	166.7	26.39	12.1
	20	230	190.7	29.63	10.0	187.4	28.00	10.1	184.9	27.79	10.2	171.9	24.89	10.8	164.0	24.70	11.3
	20	460	196.9	28.49	14.8	193.5	28.05	14.8	190.1	29.43	15.0	177.4	25.68	15.3	169.8	24.81	15.5
	20	690	198.3	28.81	16.5	195.4	27.90	16.5	194.0	27.99	16.6	179.7	25.16	16.8	171.6	24.81	16.9
	25	230	199.7	28.33	14.3	194.9	27.20	14.5	193.1	27.08	14.7	180.6	24.64	15.3	173.4	23.56	15.7
	25	460	199.7	27.90	19.6	194.9	27.01	19.8	193.1	26.60	19.8	180.6	24.25	20.1	173.4	23.69	20.3
	25	690	199.7	27.32	21.4	194.9	25.96	21.5	193.1	26.02	21.5	180.6	24.42	21.8	173.4	22.20	21.9
	30	230	199.7	27.52	19.3	194.9	25.92	19.5	193.1	25.98	19.6	180.6	23.17	20.2	173.4	23.39	20.6
	30	460	199.7	26.60	24.6	194.9	25.73	24.7	193.1	25.35	24.8	180.6	23.38	25.1	173.4	21.84	25.3
	30	690	199.7	26.02	26.4	194.9	24.68	26.5	193.1	24.72	26.5	180.6	21.83	26.7	173.4	22.76	26.9
	35	230	199.7	26.22	24.2	194.9	25.07	24.4	193.1	24.97	24.5	180.6	22.33	25.1	173.4	20.90	25.5
	35	460	199.7	25.35	29.6	194.9	24.50	29.7	193.1	24.48	29.7	180.6	22.07	30.1	173.4	20.41	30.2
	35	690	199.7	25.35	31.4	194.9	24.07	31.5	193.1	23.81	31.5	180.6	21.44	31.7	173.4	19.89	31.8
	40	230	199.7	25.35	29.1	194.9	24.21	29.4	193.1	24.05	29.5	180.6	21.48	30.1	173.4	20.59	30.5
	40	460	199.7	24.48	34.5	194.9	23.59	34.7	193.1	23.23	34.7	180.6	20.71	35.0	173.4	19.82	35.2
	40	690	199.7	23.80	36.3	194.9	23.02	36.4	193.1	23.23	36.5	180.6	20.71	36.7	173.4	19.82	36.8
	45	230	199.7	24.48	34.1	194.9	23.40	34.3	193.1	23.24	34.4	180.6	20.49	35.0	173.4	20.38	35.5
	45	460	199.7	23.66	39.5	194.9	22.79	39.6	193.1	21.93	39.7	180.6	19.17	40.0	173.4	19.20	40.2
	45	690	199.7	22.31	41.3	194.9	21.93	41.4	193.1	22.61	41.5	180.6	19.74	41.7	173.4	19.85	41.8
120	5	230	173.4	39.95	-3.3	170.6	38.29	-3.2	165.0	37.20	-3.0	155.4	34.21	-2.5	148.7	31.61	-2.3
	5	460	177.8	40.51	0.7	174.0	39.06	0.8	167.0	38.06	1.0	157.2	34.93	1.2	150.5	31.99	1.3
	5	690	179.2	40.89	2.1	172.5	39.48	2.2	168.0	38.77	2.3	158.1	35.62	2.5	151.4	32.67	2.5
	10	230	174.5	35.75	1.4	171.1	34.26	1.5	165.0	33.55	1.8	155.4	30.84	2.2	148.7	28.66	2.5
	10	460	177.8	36.23	5.6	174.0	34.78	5.7	167.0	34.02	5.9	157.2	30.98	6.1	150.5	28.59	6.2
	10	690	179.2	36.04	7.0	173.0	34.78	7.1	169.0	34.22	7.2	158.1	31.16	7.4	151.4	28.70	7.5
	15	230	175.4	31.65	6.0	171.6	30.27	6.2	169.4	30.25	6.3	157.7	27.47	6.9	150.0	25.77	7.3
	15	460	179.2	31.94	10.4	175.9	30.56	10.5	173.3	30.49	10.6	161.4	27.09	10.8	153.2	24.95	11.0
	15	690	180.6	31.21	11.9	175.9	30.13	12.0	175.2	30.49	12.0	163.2	27.00	12.2	155.0	24.95	12.3
	20	230	180.1	28.42	10.5	176.8	26.90	10.7	173.7	26.59	10.8	161.8	24.09	11.4	153.6	23.98	11.9
	20	460	184.9	28.11	15.1	181.1	27.48	15.2	177.1	28.67	15.4	165.5	24.82	15.6	157.7	23.40	15.8
	20	690	185.8	28.03	16.7	180.6	27.00	16.8	180.0	27.07	16.8	167.3	24.32	17.0	159.0	23.53	17.2
	25	230	187.7	26.78	15.0	182.0	25.19	15.2	179.0	25.10	15.4	167.3	22.67	16.0	160.4	21.60	16.4
	25	460	188.2	26.40	20.0	182.0	25.05	20.1	179.0	24.95	20.2	167.3	22.23	20.5	160.4	21.73	20.7
	25	690	189.1	24.90	21.6	182.0	24.05	21.7	179.0	24.28	21.8	167.3	22.99	22.0	160.4	20.32	22.1
	30	230	188.7	25.49	19.8	182.0	23.96	20.1	179.0	23.66	20.3	167.3	20.78	20.9	160.4	20.94	21.3
	30	460	188.7	24.66	24.9	182.0	23.39	25.1	179.0	23.22	25.1	167.3	20.93	25.4	160.4	19.51	25.6
	30	690	188.7	23.46	26.6	182.0	22.58	26.7	179.0	22.54	26.7	167.3	20.09	26.9	160.4	20.34	27.1
	35	230	188.7	24.23	24.8	182.0	22.68	25.1	179.0	22.36	25.2	167.3	19.94	25.8	160.4	18.54	26.2
	35	460	188.7	22.83	29.8	182.0	21.83	30.0	179.0	21.48	30.1	167.3	19.23	30.4	160.4	17.76	30.6
	35	690	188.7	22.44	31.5	182.0	21.59	31.7	179.0	21.49	31.7	167.3	19.23	31.9	160.4	17.76	32.0
	40	230	188.7	23.36	29.7	182.0	21.59	30.0	179.0	21.05	30.2	167.3	18.66	30.7	160.4	17.83	31.1
	40	460	188.7	21.58	34.8	182.0	20.59	35.0	179.0	20.18	35.1	167.3	17.93	35.3	160.4	17.06	35.5
	40	690	188.7	21.14	36.5	182.0	20.16	36.6	179.0	20.18	36.7	167.3	17.93	36.9	160.4	17.06	37.0
	45	230	188.7	22.55	34.6	182.0	20.50	34.9	179.0	19.80	35.1	167.3	17.30	35.6	160.4	17.12	36.1
	45	460	188.7	20.27	39.8	182.0	19.31	39.9	179.0	18.88	40.0	167.3	16.44	40.3	160.4	16.35	40.5
	45	690	188.7	19.89	41.5	182.0	18.78	41.6	179.0	18.88	41.7	167.3	16.44	41.9	160.4	16.35	42.0
110	5	230	165.9	40.38	-2.8	162.3	38.45	-2.7	156.2	37.30	-2.4	147.7	34.21	-2.1	140.1	31.61	-1.8
	5	460	169.3	40.67	1.0	164.2	39.06	1.1	157.8	38.06	1.3	148.6	34.93	1.5	141.0	31.99	1.6
	5	690	170.7	41.27	2.3	165.1	39.48	2.4	158.3	38.44	2.5	148.6	35.26	2.6	141.4	32.67	2.7
	10	230	166.9	36.14	1.9	162.8	34.40	2.0	156.3	33.64	2.4	147.7	30.84	2.7	140.1	28.66	3.1
	10	460	169.3	36.38	5.9	164.2	34.78	6.0	157.8	34.02	6.1	148.6	30.98	6.3	141.0	28.59	6.5
	10	690	170.7	36.38	7.2	165.6	34.78	7.3	159.2	33.93	7.4	148.6	30.84	7.6	141.4	28.70	7.7
	15	230	167.4	31.84	6.6	163.3	30.56	6.7	160.4	30.49	6.9	149.9	27.47	7.4	141.3	25.77	7.8
	15	460	170.2	31.65	10.7	165.6	30.56	10.8	162.4	30.49	10.9	151.3	27.09	11.1	143.1	24.95	11.3
	15	690	171.6	31.36	12.1	166.6	30.13	12.2	163.8	29.86	12.2	152.2	26.42	12.4	143.6	24.95	12.5
	20	230	170.7	27.60	11.1	166.1	26.47	11.3	162.8	26.20	11.5	151.3	23.69	12.0	143.1	23.22	12.5
	20	460	174.5	27.48	15.4	168.0	26.61	15.6	164.2	27.66	15.7	153.6	24.05	16.0	144.9	22.29	16.2
	20	690	175.9	27.79	16.9	170.4	26.47	17.0	166.2	26.20	17.1	154.5	22.94	17.3	146.3	22.29	17.4
	25	230	175.4	24.99	15.6	169.9	23.67	15.9	165.7	23.64	16.1	154.5	21.05	16.7	146.7	19.69	17.1
	25	460	176.9	24.85	20.3	169.9	23.29	20.4	165.7	23.21	20.6	154.5	20.67	20.8	146.7	19.73	21.0
	25	690	178.3	24.85	21.8	169.9	23.43	22.0	165.7	22.54	22.0	154.5	21.37	22.2	146.7	18.43	22.3
	30	230	177.8	22.73	20.3	169.9	21.58	20.8	165.7	21.04	21.0	154.5	18.83	21.5	146.7	18.13	22.0
	30	460	177.8	22.34	25.2	169.9	21.15	25.4	165.7	20.61	25.5	154.5	18.89	25.8	146.7	17.14	26.0
	30	690	177.8	22.10	26.8	169.9	20.53	26.9	165.7	19.93	27.0	154.5	17.61	27.2	146.7	17.86	27.3
	35	230	177.8	21.47	25.3	169.9	19.87	25.7	165.7	19.36	25.9	154.5	17.16	26.4	146.7	15.85	26.8
	35	460	177.8	20.61	30.1	169.9	19.49	30.3	165.7	18.87	30.4	154.5	16.84	30.7	146.7	15.42	30.9
	35	690	177.8	19.83	31.7	169.9	18.82	31.9	165.7	18.29	31.9	154.5	16.84	32.1	146.7	15.42	32.3
	40	230	177.8	20.17	30.2	169.9	19.06	30.6	165.7	18.05	30.8	154.5	15.89	31.4	146.7	15.02	31.8
	40	460	177.8	19.35	35.1	169.9	18.21	35.3	165.7	17.18	35.4	154.5	15.51	35.7	146.7	14.69	35.9
	40	690	177.8	18.92	36.7	169.9	17.54	36.8	165.7	17.18	36.9	154.5	14.88	37.1	146.7	14.07	37.2
	45	230	177.8	18.87	35.1	169.9	18.21	35.5	165.7	16.75	35.7	154.5	14.60	36.3	146.7	14.23	36.7
	45	460	177.8	18.05	40.0	169.9	16.92	40.2	165.7	15.45	40.3	154.5	14.06	40.6	146.7	13.91	40.9
	45	690	177.8	18.05	41.7	169.9	16.26	41.8	165.7	16.13	41.9	154.5	12.92	42.1	146.7	12.62	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	230	158.4	40.50	-2.3	152.7	38.94	-2.1	147.2	37.42	-1.8	139.0	34.32	-1.5	131.2	31.22	-1.2
	5	460	160.8	41.23	1.3	154.1	39.61	1.4	147.8	38.18	1.6	139.0	35.03	1.8	131.2	31.84	1.9
	5	690	162.2	41.61	2.5	154.6	40.04	2.6	147.4	38.56	2.7	139.0	35.37	2.8	131.2	32.13	2.9
	10	230	159.3	36.24	2.3	153.2	34.84	2.6	147.3	33.75	2.9	139.0	30.93	3.3	131.2	28.31	3.6
	10	460	160.8	36.87	6.1	154.1	35.27	6.3	147.8	34.13	6.5	139.0	31.08	6.6	131.2	28.46	6.8
	10	690	162.2	36.68	7.4	155.1	35.27	7.5	148.3	34.03	7.6	139.0	30.93	7.8	131.2	28.22	7.9
	15	230	159.8	31.94	7.0	154.1	30.79	7.3	151.2	30.58	7.5	141.1	27.55	7.9	132.4	25.45	8.3
	15	460	160.8	32.57	11.0	154.1	30.89	11.2	151.2	30.58	11.2	141.1	27.17	11.4	132.4	25.02	11.7
	15	690	162.6	31.74	12.3	155.6	30.50	12.4	151.2	29.95	12.5	141.1	26.50	12.6	132.4	24.40	12.8
	20	230	161.2	27.29	11.7	154.6	26.12	12.0	151.2	25.84	12.2	141.1	23.36	12.7	132.4	22.07	13.1
	20	460	163.6	27.52	15.8	155.1	26.36	16.0	151.2	25.84	16.1	141.1	23.36	16.3	132.4	21.21	16.5
	20	690	165.0	27.05	17.1	157.4	25.88	17.3	151.2	25.16	17.4	141.1	22.26	17.5	132.4	20.59	17.7
	25	230	163.1	23.81	16.3	157.0	22.54	16.6	151.2	21.97	16.9	141.1	19.54	17.4	132.4	17.83	17.9
	25	460	165.5	23.86	20.6	157.0	22.07	20.8	151.2	21.53	21.0	141.1	19.11	21.2	132.4	17.83	21.4
	25	690	166.9	23.08	22.0	157.0	21.83	22.2	151.2	20.90	22.3	141.1	19.11	22.5	132.4	17.16	22.6
	30	230	166.4	21.53	21.0	157.0	19.54	21.4	151.2	18.53	21.7	141.1	16.54	22.2	132.4	15.73	22.7
	30	460	166.4	21.10	25.5	157.0	19.11	25.7	151.2	18.34	25.9	141.1	16.54	26.1	132.4	15.25	26.4
	30	690	166.4	20.47	27.0	157.0	19.11	27.1	151.2	17.95	27.2	141.1	15.87	27.4	132.4	15.25	27.6
	35	230	166.4	19.84	25.9	157.0	17.83	26.3	151.2	16.36	26.6	141.1	14.82	27.1	132.4	13.54	27.6
	35	460	166.4	18.92	30.4	157.0	16.97	30.6	151.2	16.16	30.8	141.1	14.44	31.1	132.4	13.16	31.3
	35	690	166.4	18.92	31.9	157.0	16.97	32.1	151.2	15.82	32.2	141.1	14.44	32.4	132.4	13.16	32.5
	40	230	166.4	18.53	30.8	157.0	16.54	31.2	151.2	14.66	31.5	141.1	13.16	32.0	132.4	12.30	32.5
	40	460	166.4	17.66	35.4	157.0	15.73	35.6	151.2	14.47	35.7	141.1	12.73	36.0	132.4	11.92	36.2
	40	690	166.4	17.03	36.9	157.0	15.73	37.1	151.2	14.08	37.2	141.1	12.73	37.3	132.4	11.92	37.5
	45	230	166.4	17.23	35.7	157.0	15.25	36.2	151.2	12.92	36.4	141.1	11.44	36.9	132.4	11.01	37.4
	45	460	166.4	16.36	40.3	157.0	14.44	40.6	151.2	12.73	40.7	141.1	11.01	40.9	132.4	10.63	41.2
	45	690	166.4	15.10	41.9	157.0	14.44	42.0	151.2	12.34	42.1	141.1	11.01	42.3	132.4	10.63	42.5
90	5	230	142.3	38.13	-1.5	137.6	36.01	-1.3	133.3	34.00	-1.2	122.4	31.23	-0.7	112.4	28.00	-0.3
	5	460	143.2	38.82	1.7	137.1	36.70	1.9	133.3	34.65	1.9	122.4	31.88	2.2	112.4	28.56	2.4
	5	690	144.2	39.17	2.8	138.0	37.04	2.9	133.3	35.05	3.0	122.4	32.18	3.1	112.4	28.91	3.3
	10	230	143.2	33.54	3.2	138.0	31.91	3.4	133.3	30.67	3.6	122.4	28.15	4.1	112.4	25.43	4.6
	10	460	142.8	33.63	6.6	137.6	32.05	6.7	133.3	30.77	6.8	122.4	28.05	7.1	112.4	25.48	7.3
	10	690	144.2	33.54	7.7	138.0	31.91	7.8	133.3	30.67	7.9	122.4	28.20	8.0	112.4	25.64	8.2
	15	230	143.7	28.94	7.8	138.5	27.86	8.1	133.3	27.35	8.4	124.9	25.08	8.8	118.7	22.87	9.0
	15	460	142.8	28.45	11.4	137.6	27.41	11.6	133.3	26.89	11.7	124.9	24.23	11.9	118.7	22.41	12.0
	15	690	144.2	27.86	12.6	138.0	26.82	12.7	133.3	26.19	12.8	124.9	24.23	12.9	118.7	22.41	13.0
	20	230	144.6	24.50	12.5	139.0	23.76	12.8	133.3	23.32	13.1	124.9	21.51	13.6	118.7	20.20	13.9
	20	460	144.2	24.50	16.3	138.0	23.46	16.4	136.0	23.32	16.5	124.9	20.65	16.8	118.7	19.29	16.9
	20	690	144.6	23.91	17.5	138.5	23.21	17.6	136.0	23.32	17.7	124.9	20.65	17.8	118.7	19.29	17.9
	25	230	147.5	21.39	17.1	140.9	20.25	17.5	136.0	20.08	17.8	124.9	17.93	18.3	118.7	16.62	18.6
	25	460	148.9	21.19	21.0	140.9	20.05	21.2	136.0	19.67	21.4	124.9	17.48	21.7	118.7	16.12	21.8
	25	690	149.8	20.35	22.3	140.9	19.36	22.5	136.0	19.67	22.6	124.9	17.48	22.8	118.7	16.12	22.9
	30	230	149.3	19.31	21.9	140.9	18.03	22.3	136.0	17.36	22.6	124.9	15.66	23.2	118.7	14.30	23.5
	30	460	149.3	18.92	25.9	140.9	17.58	26.2	136.0	16.95	26.3	124.9	15.26	26.6	118.7	14.30	26.7
	30	690	149.3	18.23	27.3	140.9	16.89	27.4	136.0	16.95	27.5	124.9	15.26	27.7	118.7	13.70	27.8
	35	230	149.3	17.58	26.8	140.9	16.30	27.2	136.0	15.56	27.5	124.9	13.90	28.1	118.7	12.99	28.4
	35	460	149.3	17.93	30.9	140.9	15.80	31.1	136.0	15.10	31.2	124.9	13.45	31.5	118.7	12.99	31.7
	35	690	149.3	16.45	32.2	140.9	16.12	32.4	136.0	14.38	32.5	124.9	13.45	32.7	118.7	12.99	32.8
	40	230	149.3	16.30	31.7	140.9	14.97	32.2	136.0	13.71	32.4	124.9	12.59	33.0	118.7	11.63	33.3
	40	460	149.3	15.36	35.8	140.9	14.52	36.1	136.0	13.25	36.2	124.9	12.09	36.5	118.7	11.23	36.7
	40	690	149.3	15.36	37.2	140.9	14.52	37.4	136.0	13.25	37.5	124.9	12.09	37.7	118.7	11.63	37.8
	45	230	149.3	14.97	36.6	140.9	13.63	37.1	136.0	11.86	37.3	124.9	11.23	37.9	118.7	10.27	38.2
	45	460	149.3	13.63	40.8	140.9	13.19	41.0	136.0	11.45	41.1	124.9	10.78	41.4	118.7	9.87	41.6
	45	690	149.3	15.66	42.2	140.9	13.88	42.4	136.0	12.07	42.4	124.9	10.78	42.6	118.7	9.87	42.7
80	5	230	134.9	31.26	-1.5	126.3	29.52	-1.0	122.6	27.87	-0.9	112.6	25.60	-0.4	103.4	22.96	0.0
	5	460	134.9	31.83	1.8	126.3	30.09	2.0	122.6	28.41	2.1	112.6	26.14	2.3	103.4	23.41	2.5
	5	690	134.9	32.11	2.9	126.3	30.37	3.0	122.6	28.74	3.0	112.6	26.39	3.2	103.4	23.70	3.3
	10	230	134.9	27.50	3.3	126.3	26.16	3.8	122.6	25.15	3.9	112.6	23.08	4.4	103.4	20.85	4.9
	10	460	134.9	27.58	6.7	126.3	26.28	6.9	122.6	25.23	7.0	112.6	23.00	7.2	103.4	20.90	7.4
	10	690	134.9	27.50	7.8	126.3	26.16	7.9	122.6	25.15	8.0	112.6	23.13	8.1	103.4	21.02	8.3
	15	230	134.9	23.73	8.1	126.3	22.84	8.6	122.6	22.42	8.8	113.2	20.57	9.2	106.7	18.75	9.5
	15	460	134.9	23.33	11.5	126.3	22.48	11.8	122.6	22.05	11.9	113.2	19.86	12.1	106.7	18.38	12.2
	15	690	134.9	22.84	12.7	126.3	21.99	12.8	122.6	21.47	12.9	113.2	19.86	13.1	106.7	18.38	13.2
	20	230	134.9	20.09	12.8	126.3	19.48	13.3	122.6	19.12	13.5	113.2	17.63	14.0	106.7	16.56	14.4
	20	460	134.9	20.09	16.4	126.3	19.24	16.7	122.6	19.50	16.8	113.2	16.93	17.0	106.7	15.82	17.2
	20	690	134.9	19.60	17.6	126.3	19.03	17.8	122.6	19.50	17.9	113.2	16.93	18.0	106.7	15.82	18.1
	25	230	135.6	17.54	17.6	126.9	16.60	18.1	122.6	16.47	18.4	113.2	14.70	18.9	106.7	13.63	19.2
	25	460	135.6	17.37	21.3	126.9	16.44	21.6	122.6	16.13	21.7	113.2	14.33	21.9	106.7	13.21	22.1
	25	690	135.6	16.68	22.5	126.9	15.88	22.7	122.6	16.13	22.8	113.2	14.33	22.9	106.7	13.21	23.1
	30	230	135.6	15.83	22.5	126.9	14.78	23.0	122.6	14.23	23.2	113.2	12.84	23.7	106.7	11.73	24.1
	30	460	135.6	15.51	26.3	126.9	14.42	26.5	122.6	13.90	26.6	113.2	12.51	26.9	106.7	11.73	27.0
	30	690	135.6	14.94	27.5	126.9	13.85	27.7	122.6	13.90	27.7	113.2	12.51	27.9	106.7	11.23	28.0
	35	230	135.6	14.42	27.4	126.9	13.36	27.9	122.6	12.76	28.2	113.2	11.40	28.7	106.7	10.65	29.0
	35	460	135.6	14.70	31.2	126.9	12.96	31.4	122.6	12.38	31.6	113.2	11.03	31.8	106.7	10.65	32.0
	35	690	135.6	13.49	32.5	126.9	13.21	32.6	122.6	11.79	32.7	113.2	11.03	32.9	106.7	10.65	33.0
	40	230	135.6	13.36	32.4	126.9	12.27	32.9	122.6	11.24	33.1	113.2	10.32	33.6	106.7	9.54	33.9
	40	460	135.6	12.59	36.2	126.9	11.91	36.4	122.6	10.86	36.5	113.2	9.91	36.8	106.7	9.21	37.0
	40	690	135.6	12.59	37.4	126.9	11.91	37.6	122.6	10.86	37.7	113.2	9.91	37.9	106.7	9.54	38.0
	45	230	135.6	12.59	37.3	126.9	11.91	37.8	122.6	10.86	38.0	113.2	9.91	38.6	106.7	9.54	38.9
	45	460	135.6	12.59	41.2	126.9	11.91	41.4	122.6	10.86	41.5	113.2	9.91	41.8	106.7	9.54	42.0
	45	690	135.6	12.59	42.4	126.9	11.91	42.6	122.6	10.86	42.7	113.2	9.91	42.9	106.7	9.54	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	230	117.2	26.28	-0.7	109.8	24.82	-0.3	106.6	23.43	-0.2	97.9	21.52	0.2	89.9	19.30	0.6
	5	460	117.2	26.76	2.2	109.8	25.29	2.4	106.6	23.88	2.4	97.9	21.97	2.6	89.9	19.68	2.8
	5	690	117.2	27.00	3.1	109.8	25.53	3.3	106.6	24.16	3.3	97.9	22.18	3.4	89.9	19.93	3.5
	10	230	117.2	23.12	4.1	109.8	21.99	4.5	106.6	21.14	4.7	97.9	19.41	5.1	89.9	17.53	5.5
	10	460	117.2	23.18	7.1	109.8	22.09	7.3	106.6	21.21	7.3	97.9	19.34	7.6	89.9	17.57	7.7
	10	690	117.2	23.12	8.0	109.8	21.99	8.2	106.6	21.14	8.2	97.9	19.44	8.4	89.9	17.67	8.5
	15	230	117.2	19.95	8.9	109.8	19.20	9.4	106.6	18.85	9.5	98.4	17.29	9.9	92.7	15.76	10.2
	15	460	117.2	19.61	12.0	109.8	18.89	12.2	106.6	18.54	12.3	98.4	16.70	12.5	92.7	15.45	12.6
	15	690	117.2	19.20	13.0	109.8	18.49	13.1	106.6	18.05	13.2	98.4	16.70	13.3	92.7	15.45	13.4
	20	230	117.2	16.89	13.7	109.8	16.38	14.2	106.6	16.07	14.4	98.4	14.82	14.8	92.7	13.92	15.1
	20	460	117.2	16.89	16.9	109.8	16.17	17.1	106.6	16.39	17.2	98.4	14.23	17.4	92.7	13.30	17.5
	20	690	117.2	16.48	17.9	109.8	16.00	18.1	106.6	16.39	18.1	98.4	14.23	18.3	92.7	13.30	18.4
	25	230	117.9	14.74	18.6	110.3	13.96	19.0	106.6	13.84	19.2	98.4	12.36	19.6	92.7	11.46	19.9
	25	460	117.9	14.60	21.8	110.3	13.82	22.0	106.6	13.56	22.1	98.4	12.05	22.3	92.7	11.11	22.5
	25	690	117.9	14.03	22.8	110.3	13.35	23.0	106.6	13.56	23.1	98.4	12.05	23.2	92.7	11.11	23.3
	30	230	117.9	13.31	23.5	110.3	12.43	23.9	106.6	11.97	24.1	98.4	10.80	24.5	92.7	9.86	24.8
	30	460	117.9	13.04	26.7	110.3	12.12	26.9	106.6	11.68	27.0	98.4	10.52	27.3	92.7	9.86	27.4
	30	690	117.9	12.56	27.8	110.3	11.64	28.0	106.6	11.68	28.0	98.4	10.52	28.2	92.7	9.44	28.3
	35	230	117.9	12.12	28.4	110.3	11.23	28.8	106.6	10.73	29.0	98.4	9.58	29.5	92.7	8.96	29.8
	35	460	117.9	12.36	31.7	110.3	10.89	31.9	106.6	10.41	32.0	98.4	9.27	32.2	92.7	8.96	32.4
	35	690	117.9	11.34	32.8	110.3	11.11	32.9	106.6	9.91	33.0	98.4	9.27	33.1	92.7	8.96	33.3
	40	230	117.9	11.23	33.4	110.3	10.32	33.8	106.6	9.45	33.9	98.4	8.68	34.4	92.7	8.02	34.7
	40	460	117.9	10.59	36.7	110.3	10.01	36.9	106.6	9.13	37.0	98.4	8.33	37.2	92.7	7.74	37.4
	40	690	117.9	10.59	37.8	110.3	10.01	37.9	106.6	9.13	38.0	98.4	8.33	38.1	92.7	8.02	38.2
	45	230	117.9	10.59	38.3	110.3	10.01	38.8	106.6	9.13	38.9	98.4	8.33	39.4	92.7	8.02	39.7
	45	460	117.9	10.59	41.7	110.3	10.01	41.9	106.6	9.13	42.0	98.4	8.33	42.2	92.7	8.02	42.4
	45	690	117.9	10.59	42.8	110.3	10.01	42.9	106.6	9.13	43.0	98.4	8.33	43.1	92.7	8.02	43.2
60	5	230	100.3	21.03	0.1	93.9	19.85	0.4	91.2	18.75	0.5	83.7	17.22	0.9	76.9	15.44	1.2
	5	460	100.3	21.41	2.5	93.9	20.24	2.7	91.2	19.11	2.8	83.7	17.58	2.9	76.9	15.75	3.1
	5	690	100.3	21.60	3.4	93.9	20.43	3.5	91.2	19.33	3.5	83.7	17.75	3.6	76.9	15.94	3.7
	10	230	100.3	18.49	4.9	93.9	17.59	5.2	91.2	16.91	5.4	83.7	15.53	5.7	76.9	14.03	6.1
	10	460	100.3	18.55	7.5	93.9	17.68	7.6	91.2	16.97	7.7	83.7	15.47	7.9	76.9	14.05	8.0
	10	690	100.3	18.49	8.3	93.9	17.59	8.4	91.2	16.91	8.5	83.7	15.55	8.6	76.9	14.14	8.7
	15	230	100.3	15.96	9.7	93.9	15.36	10.1	91.2	15.08	10.3	84.2	13.83	10.6	79.3	12.61	10.8
	15	460	100.3	15.69	12.4	93.9	15.12	12.5	91.2	14.83	12.6	84.2	13.36	12.8	79.3	12.36	12.9
	15	690	100.3	15.36	13.2	93.9	14.79	13.4	91.2	14.44	13.4	84.2	13.36	13.5	79.3	12.36	13.6
	20	230	100.3	13.51	14.6	93.9	13.10	15.0	91.2	12.86	15.1	84.2	11.86	15.5	79.3	11.14	15.7
	20	460	100.3	13.51	17.3	93.9	12.94	17.5	91.2	13.11	17.6	84.2	11.39	17.7	79.3	10.64	17.9
	20	690	100.3	13.18	18.2	93.9	12.80	18.3	91.2	13.11	18.4	84.2	11.39	18.5	79.3	10.64	18.6
	25	230	100.9	11.79	19.4	94.4	11.17	19.8	91.2	11.07	20.0	84.2	9.89	20.4	79.3	9.17	20.6
	25	460	100.9	11.68	22.2	94.4	11.06	22.4	91.2	10.85	22.5	84.2	9.64	22.7	79.3	8.89	22.8
	25	690	100.9	11.22	23.1	94.4	10.68	23.3	91.2	10.85	23.3	84.2	9.64	23.5	79.3	8.89	23.5
	30	230	100.9	10.65	24.4	94.4	9.94	24.7	91.2	9.57	24.9	84.2	8.64	25.3	79.3	7.89	25.5
	30	460	100.9	10.43	27.2	94.4	9.70	27.4	91.2	9.35	27.4	84.2	8.42	27.6	79.3	7.89	27.8
	30	690	100.9	10.05	28.1	94.4	9.31	28.2	91.2	9.35	28.3	84.2	8.42	28.4	79.3	7.55	28.5
	35	230	100.9	9.70	29.3	94.4	8.99	29.7	91.2	8.58	29.9	84.2	7.67	30.2	79.3	7.17	30.5
	35	460	100.9	9.89	32.2	94.4	8.72	32.3	91.2	8.33	32.4	84.2	7.42	32.6	79.3	7.17	32.8
	35	690	100.9	9.07	33.1	94.4	8.89	33.2	91.2	7.93	33.3	84.2	7.42	33.4	79.3	7.17	33.5
	40	230	100.9	8.99	34.3	94.4	8.25	34.6	91.2	7.56	34.8	84.2	6.94	35.2	79.3	6.42	35.5
	40	460	100.9	8.47	37.1	94.4	8.01	37.3	91.2	7.31	37.4	84.2	6.67	37.6	79.3	6.19	37.7
	40	690	100.9	8.47	38.1	94.4	8.01	38.2	91.2	7.31	38.3	84.2	6.67	38.4	79.3	6.42	38.5
	45	230	100.9	8.47	39.2	94.4	8.01	39.6	91.2	7.31	39.8	84.2	6.67	40.2	79.3	6.42	40.5
	45	460	100.9	8.47	42.1	94.4	8.01	42.3	91.2	7.31	42.4	84.2	6.67	42.6	79.3	6.42	42.7
	45	690	100.9	8.47	43.1	94.4	8.01	43.2	91.2	7.31	43.3	84.2	6.67	43.4	79.3	6.42	43.5
50	5	230	83.4	16.87	0.9	78.1	15.93	1.1	75.8	15.05	1.2	69.6	13.82	1.5	64.0	12.39	1.8
	5	460	83.4	17.18	2.9	78.1	16.24	3.1	75.8	15.34	3.1	69.6	14.11	3.3	64.0	12.64	3.4
	5	690	83.4	17.33	3.6	78.1	16.39	3.7	75.8	15.51	3.7	69.6	14.24	3.8	64.0	12.79	3.9
	10	230	83.4	14.84	5.7	78.1	14.12	6.0	75.8	13.57	6.1	69.6	12.46	6.4	64.0	11.26	6.7
	10	460	83.4	14.89	7.9	78.1	14.19	8.0	75.8	13.62	8.1	69.6	12.42	8.2	64.0	11.28	8.4
	10	690	83.4	14.84	8.6	78.1	14.12	8.7	75.8	13.57	8.7	69.6	12.48	8.8	64.0	11.35	8.9
	15	230	83.4	12.81	10.6	78.1	12.33	10.9	75.8	12.10	11.0	70.0	11.10	11.3	66.0	10.12	11.5
	15	460	83.4	12.59	12.8	78.1	12.13	12.9	75.8	11.90	13.0	70.0	10.72	13.2	66.0	9.92	13.3
	15	690	83.4	12.33	13.5	78.1	11.87	13.6	75.8	11.59	13.7	70.0	10.72	13.8	66.0	9.92	13.8
	20	230	83.4	10.84	15.5	78.1	10.51	15.8	75.8	10.32	15.9	70.0	9.52	16.2	66.0	8.94	16.4
	20	460	83.4	10.84	17.7	78.1	10.38	17.9	75.8	10.52	18.0	70.0	9.14	18.1	66.0	8.54	18.2
	20	690	83.4	10.58	18.5	78.1	10.27	18.6	75.8	10.52	18.6	70.0	9.14	18.7	66.0	8.54	18.8
	25	230	83.9	9.46	20.4	78.5	8.96	20.7	75.8	8.89	20.8	70.0	7.94	21.1	66.0	7.36	21.3
	25	460	83.9	9.38	22.7	78.5	8.87	22.8	75.8	8.71	22.9	70.0	7.73	23.1	66.0	7.13	23.2
	25	690	83.9	9.01	23.4	78.5	8.57	23.5	75.8	8.71	23.6	70.0	7.73	23.7	66.0	7.13	23.8
	30	230	83.9	8.55	25.3	78.5	7.98	25.6	75.8	7.68	25.8	70.0	6.93	26.1	66.0	6.33	26.3
	30	460	83.9	8.37	27.6	78.5	7.78	27.8	75.8	7.50	27.9	70.0	6.75	28.0	66.0	6.33	28.1
	30	690	83.9	8.07	28.4	78.5	7.48	28.5	75.8	7.50	28.6	70.0	6.75	28.7	66.0	6.06	28.8
	35	230	83.9	7.78	30.3	78.5	7.21	30.6	75.8	6.89	30.7	70.0	6.15	31.0	66.0	5.75	31.2
	35	460	83.9	7.94	32.6	78.5	6.99	32.8	75.8	6.68	32.8	70.0	5.95	33.0	66.0	5.75	33.1
	35	690	83.9	7.28	33.4	78.5	7.13	33.5	75.8	6.36	33.6	70.0	5.95	33.7	66.0	5.75	33.7
	40	230	83.9	7.21	35.2	78.5	6.62	35.5	75.8	6.07	35.7	70.0	5.57	36.0	66.0	5.15	36.2
	40	460	83.9	6.80	37.6	78.5	6.43	37.8	75.8	5.86	37.8	70.0	5.35	38.0	66.0	4.97	38.1
	40	690	83.9	6.80	38.4	78.5	6.43	38.5	75.8	5.86	38.5	70.0	5.35	38.7	66.0	5.15	38.7
	45	230	83.9	6.80	40.2	78.5	6.43	40.5	75.8	5.86	40.6	70.0	5.35	41.0	66.0	5.15	41.2
	45	460	83.9	6.80	42.6	78.5	6.43	42.8	75.8	5.86	42.8	70.0	5.35	43.0	66.0	5.15	43.1
	45	690	83.9	6.80	43.4	78.5	6.43	43.5	75.8	5.86	43.5	70.0	5.35	43.7	66.0	5.15	43.7

12. Capacity Table

1-20. AM500FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp (℃)	Water Flow Rate (LPM)	Indoor Temperature (DB/WB ℃)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	238	141.0	10.16	19.1	155.0	12.09	20.1	166.5	13.24	20.8	178.7	14.06	21.6	183.5	14.22	21.9
	10	476	141.0	9.42	14.5	155.0	11.17	15.0	166.5	12.63	15.4	178.7	13.27	15.8	183.5	13.27	15.9
	10	714	141.0	9.26	13.0	155.0	11.13	13.3	166.5	11.95	13.6	178.7	13.02	13.8	183.5	13.32	14.0
	15	238	138.5	13.10	24.1	152.5	15.52	25.1	164.0	17.23	25.9	175.7	18.07	26.7	180.5	18.47	27.0
	15	476	138.5	12.22	19.5	152.5	14.38	20.0	164.0	16.05	20.4	175.7	16.89	20.8	180.5	17.26	21.0
	15	714	138.5	11.86	18.0	152.5	14.02	18.3	164.0	15.53	18.6	175.7	16.28	18.9	180.5	16.78	19.0
	20	238	136.5	15.62	29.2	150.4	18.27	30.2	162.0	20.41	31.0	173.2	21.39	31.7	178.0	21.85	32.0
	20	476	136.5	15.31	24.6	150.4	18.00	25.1	162.0	20.12	25.5	173.2	21.14	25.9	178.0	21.54	26.0
	20	714	136.5	14.79	23.0	150.4	17.46	23.4	162.0	19.51	23.6	173.2	20.35	23.9	178.0	20.98	24.0
	25	238	136.5	19.60	34.4	150.4	23.08	35.5	162.0	25.71	36.3	173.2	27.02	37.1	178.0	27.46	37.4
	25	476	136.5	18.32	29.7	150.4	21.55	30.2	162.0	23.96	30.6	173.2	25.25	31.0	178.0	25.66	31.1
	25	714	136.5	17.63	28.1	150.4	20.86	28.4	162.0	23.21	28.7	173.2	24.35	29.0	178.0	25.04	29.1
	30	238	136.5	23.00	39.6	150.4	27.04	40.7	162.0	30.18	41.6	173.2	31.66	42.3	178.0	32.19	42.7
	30	476	136.5	22.62	34.8	150.4	26.61	35.3	162.0	29.62	35.8	173.2	31.19	36.2	178.0	31.81	36.3
	30	714	136.5	21.89	33.2	150.4	25.77	33.5	162.0	28.74	33.8	173.2	30.16	34.1	178.0	30.97	34.2
	35	238	129.0	23.94	44.2	142.5	28.19	45.3	153.2	31.44	46.1	164.4	32.93	46.9	168.2	33.51	47.1
	35	476	129.0	23.48	39.6	142.5	27.73	40.1	153.2	30.88	40.5	164.4	32.46	40.9	168.2	33.14	41.1
	35	714	129.0	22.86	38.0	142.5	26.88	38.4	153.2	29.88	38.7	164.4	31.42	38.9	168.2	32.27	39.0
	40	238	107.9	24.93	48.0	118.8	29.33	48.9	128.0	32.72	49.7	137.0	34.32	50.3	140.9	35.01	50.6
	40	476	108.8	24.51	44.0	119.9	28.90	44.5	129.1	32.12	44.9	138.2	33.80	45.2	142.1	34.53	45.3
	40	714	110.4	23.76	42.7	121.6	27.90	43.0	130.9	31.19	43.3	140.2	32.71	43.5	144.2	33.70	43.6
	45	238	90.0	25.73	52.0	98.8	30.31	52.8	106.2	33.81	53.4	113.8	35.40	54.0	116.9	36.15	54.2
	45	476	90.8	25.31	48.5	99.6	29.80	48.9	107.1	33.18	49.2	114.8	34.99	49.5	117.9	35.68	49.6
	45	714	92.1	24.49	47.3	101.1	28.79	47.6	108.6	32.21	47.8	116.4	33.77	48.0	119.6	34.83	48.1
120	10	238	133.5	9.64	18.6	146.9	11.45	19.5	158.0	12.57	20.3	169.2	13.28	21.0	173.5	13.44	21.3
	10	476	133.5	9.01	14.3	146.9	10.70	14.7	158.0	11.95	15.1	169.2	12.53	15.5	173.5	12.55	15.6
	10	714	133.5	8.59	12.9	146.9	10.54	13.2	158.0	11.28	13.4	169.2	12.33	13.6	173.5	12.73	13.7
	15	238	132.0	12.54	23.7	144.9	14.79	24.6	156.0	16.52	25.4	167.2	17.30	26.1	171.5	17.60	26.4
	15	476	132.0	11.71	19.3	144.9	13.77	19.8	156.0	15.39	20.2	167.2	16.12	20.5	171.5	16.45	20.7
	15	714	132.0	11.31	17.9	144.9	13.40	18.2	156.0	14.82	18.4	167.2	15.58	18.7	171.5	16.07	18.8
	20	238	130.5	15.02	28.8	143.4	17.57	29.7	154.5	19.61	30.5	165.7	20.60	31.2	170.0	21.00	31.5
	20	476	130.5	14.69	24.4	143.4	17.26	24.8	154.5	19.33	25.2	165.7	20.31	25.6	170.0	20.65	25.7
	20	714	130.5	14.27	22.9	143.4	16.82	23.2	154.5	18.73	23.5	165.7	19.57	23.7	170.0	20.13	23.8
	25	238	130.5	18.84	34.0	143.4	22.16	35.0	154.5	24.59	35.8	165.7	25.91	36.5	170.0	26.35	36.8
	25	476	130.5	17.51	29.5	143.4	20.67	29.9	154.5	23.00	30.3	165.7	24.13	30.7	170.0	24.59	30.9
	25	714	130.5	16.87	28.0	143.4	19.94	28.3	154.5	22.25	28.5	165.7	23.34	28.8	170.0	23.91	28.9
	30	238	130.5	22.21	39.2	143.4	26.14	40.2	154.5	29.14	41.1	165.7	30.57	41.8	170.0	31.10	42.1
	30	476	130.5	21.84	34.6	143.4	25.66	35.1	154.5	28.63	35.5	165.7	30.09	35.9	170.0	30.66	36.0
	30	714	130.5	21.11	33.0	143.4	24.87	33.4	154.5	27.75	33.7	165.7	29.17	33.9	170.0	29.86	34.0
	35	238	125.3	23.43	44.0	138.2	27.62	45.0	148.9	30.78	45.8	159.1	32.22	46.5	163.5	32.85	46.8
	35	476	125.3	22.99	39.5	138.2	27.13	40.0	148.9	30.24	40.4	159.1	31.76	40.7	163.5	32.39	40.9
	35	714	125.3	22.32	38.0	138.2	26.33	38.3	148.9	29.24	38.6	159.1	30.72	38.8	163.5	31.56	38.9
	40	238	106.9	24.88	47.9	117.8	29.28	48.9	127.0	32.67	49.6	135.6	34.27	50.2	139.5	34.96	50.5
	40	476	107.8	24.46	44.0	118.8	28.84	44.4	128.1	32.07	44.8	136.7	33.69	45.1	140.6	34.43	45.3
	40	714	109.4	23.70	42.7	120.6	27.96	43.0	129.9	31.13	43.2	138.7	32.71	43.4	142.6	33.54	43.5
	45	238	91.0	26.13	52.1	100.7	30.82	52.9	108.5	34.36	53.6	115.7	36.00	54.1	118.8	36.74	54.4
	45	476	91.7	25.73	48.5	101.6	30.28	49.0	109.4	33.75	49.3	116.7	35.46	49.6	119.8	36.20	49.7
	45	714	93.0	24.86	47.4	103.0	29.37	47.7	111.0	32.73	47.9	118.4	34.39	48.1	121.5	35.15	48.1
110	10	238	126.0	9.05	18.1	138.5	10.81	19.0	149.1	11.88	19.7	159.8	12.56	20.4	163.7	12.70	20.6
	10	476	126.0	8.45	14.0	138.5	10.03	14.5	149.1	11.29	14.8	159.8	11.91	15.2	163.7	11.81	15.3
	10	714	126.0	8.19	12.7	138.5	9.85	13.0	149.1	10.77	13.2	159.8	11.65	13.4	163.7	11.91	13.5
	15	238	125.2	11.99	23.3	137.7	14.17	24.1	148.3	15.80	24.9	159.0	16.55	25.6	163.3	16.89	25.9
	15	476	125.2	11.20	19.1	137.7	13.15	19.5	148.3	14.72	19.9	159.0	15.46	20.3	163.3	15.74	20.4
	15	714	125.2	10.84	17.7	137.7	12.77	18.0	148.3	14.25	18.3	159.0	14.92	18.5	163.3	15.28	18.6
	20	238	124.8	14.47	28.4	137.3	16.95	29.3	147.9	18.94	30.0	158.2	19.84	30.7	162.5	20.24	31.0
	20	476	124.8	14.18	24.2	137.3	16.66	24.6	147.9	18.62	25.0	158.2	19.55	25.4	162.5	19.90	25.5
	20	714	124.8	13.75	22.8	137.3	16.20	23.1	147.9	18.07	23.3	158.2	18.92	23.6	162.5	19.32	23.6
	25	238	124.8	18.08	33.6	137.3	21.25	34.5	147.9	23.66	35.3	158.2	24.83	36.0	162.5	25.27	36.3
	25	476	124.8	16.85	29.3	137.3	19.82	29.7	147.9	22.07	30.1	158.2	23.15	30.5	162.5	23.57	30.6
	25	714	124.8	16.23	27.8	137.3	19.14	28.1	147.9	21.36	28.4	158.2	22.40	28.6	162.5	22.86	28.7
	30	238	124.8	21.53	38.8	137.3	25.32	39.8	147.9	28.24	40.6	158.2	29.63	41.3	162.5	30.17	41.6
	30	476	124.8	21.16	34.4	137.3	24.90	34.9	147.9	27.74	35.3	158.2	29.14	35.6	162.5	29.67	35.8
	30	714	124.8	20.49	32.9	137.3	24.16	33.2	147.9	26.91	33.5	158.2	28.23	33.7	162.5	28.84	33.8
	35	238	122.5	23.11	43.8	135.4	27.23	44.8	145.3	30.35	45.6	156.0	31.77	46.3	159.9	32.40	46.6
	35	476	122.5	22.70	39.4	135.4	26.75	39.9	145.3	29.83	40.3	156.0	31.27	40.6	159.9	31.89	40.8
	35	714	122.5	22.01	37.9	135.4	25.94	38.2	145.3	28.84	38.5	156.0	30.32	38.7	159.9	30.98	38.8
	40	238	107.2	25.19	48.0	118.2	29.65	48.9	127.0	33.03	49.6	136.2	34.65	50.3	140.0	35.34	50.6
	40	476	108.1	24.72	44.0	119.2	29.15	44.5	128.1	32.47	44.8	137.3	34.06	45.2	141.2	34.74	45.3
	40	714	109.6	23.96	42.7	120.9	28.25	43.0	129.9	31.47	43.2	139.3	33.06	43.5	143.2	33.76	43.6
	45	238	94.4	27.05	52.3	103.9	31.82	53.2	111.8	35.46	53.9	120.1	37.19	54.5	123.2	37.93	54.7
	45	476	95.2	26.52	48.7	104.8	31.25	49.1	112.8	34.83	49.4	121.1	36.65	49.7	124.2	37.30	49.9
	45	714	96.6	25.65	47.5	106.3	30.32	47.7	114.4	33.78	48.0	122.8	35.51	48.2	126.0	36.18	48.3

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp (℃)	Water Flow Rate (LPM)	Indoor Temperature (DB/WB ℃)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	238	118.0	8.56	17.6	130.2	10.08	18.5	140.0	11.23	19.1	150.2	11.78	19.8	154.0	12.00	20.0
	10	476	118.0	7.98	13.8	130.2	9.44	14.2	140.0	10.69	14.5	150.2	11.17	14.9	154.0	11.17	15.0
	10	714	118.0	7.71	12.5	130.2	9.25	12.8	140.0	10.10	13.0	150.2	10.96	13.2	154.0	11.11	13.3
	15	238	118.0	11.43	22.8	130.2	13.45	23.7	140.0	14.99	24.3	150.2	15.73	25.0	154.0	16.02	25.2
	15	476	118.0	10.65	18.9	130.2	12.54	19.3	140.0	13.97	19.6	150.2	14.65	20.0	154.0	14.93	20.1
	15	714	118.0	10.29	17.6	130.2	12.12	17.9	140.0	13.50	18.1	150.2	14.17	18.3	154.0	14.43	18.4
	20	238	118.0	13.77	27.9	130.2	16.22	28.8	140.0	18.07	29.5	150.2	18.95	30.2	154.0	19.31	30.4
	20	476	118.0	13.54	24.0	130.2	15.94	24.4	140.0	17.76	24.8	150.2	18.63	25.1	154.0	18.98	25.2
	20	714	118.0	13.12	22.6	130.2	15.45	22.9	140.0	17.21	23.2	150.2	18.06	23.4	154.0	18.40	23.5
	25	238	118.0	17.16	33.1	130.2	20.20	34.1	140.0	22.51	34.8	150.2	23.61	35.5	154.0	24.06	35.7
	25	476	118.0	15.99	29.0	130.2	18.83	29.5	140.0	20.97	29.8	150.2	22.01	30.2	154.0	22.42	30.3
	25	714	118.0	15.46	27.7	130.2	18.20	28.0	140.0	20.28	28.2	150.2	21.27	28.4	154.0	21.67	28.5
	30	238	118.0	20.62	38.3	130.2	24.28	39.3	140.0	27.05	40.1	150.2	28.38	40.8	154.0	28.91	41.0
	30	476	118.0	20.27	34.2	130.2	23.87	34.6	140.0	26.59	35.0	150.2	27.90	35.4	154.0	28.42	35.5
	30	714	118.0	19.64	32.8	130.2	23.13	33.1	140.0	25.77	33.3	150.2	27.04	33.6	154.0	27.54	33.6
	35	238	118.0	22.41	43.5	130.2	26.38	44.4	140.0	29.39	45.2	150.2	30.84	45.9	154.0	31.42	46.2
	35	476	118.0	22.03	39.2	130.2	25.93	39.7	140.0	28.89	40.1	150.2	30.31	40.4	154.0	30.88	40.6
	35	714	118.0	21.35	37.8	130.2	25.14	38.1	140.0	28.00	38.4	150.2	29.38	38.6	154.0	29.93	38.7
	40	238	105.0	24.83	47.8	115.9	29.23	48.7	124.5	32.57	49.5	133.6	34.17	50.1	137.0	34.81	50.3
	40	476	105.8	24.40	43.9	116.8	28.73	44.4	125.6	32.01	44.7	134.7	33.59	45.1	138.1	34.21	45.2
	40	714	107.4	23.65	42.6	118.5	27.85	42.9	127.4	31.03	43.2	136.6	32.55	43.4	140.1	33.16	43.5
	45	238	94.2	27.02	52.3	104.0	31.82	53.2	111.8	35.45	53.9	119.9	37.19	54.5	123.0	37.89	54.7
	45	476	95.0	26.56	48.7	104.9	31.28	49.1	112.8	34.85	49.4	121.0	36.56	49.7	124.0	37.24	49.9
	45	714	96.4	25.74	47.5	106.4	30.31	47.7	114.4	33.77	48.0	122.7	35.43	48.2	125.8	36.09	48.3
90	10	238	106.5	7.59	16.9	117.5	8.94	17.6	126.3	9.95	18.2	135.5	10.44	18.8	138.9	10.64	19.0
	10	476	106.5	7.46	13.4	117.5	8.78	13.8	126.3	9.79	14.1	135.5	10.27	14.4	138.9	10.46	14.5
	10	714	106.5	7.23	12.3	117.5	8.51	12.5	126.3	9.48	12.7	135.5	9.95	12.9	138.9	10.14	13.0
	15	238	106.5	10.13	22.0	117.5	11.93	22.8	126.3	13.29	23.4	135.5	13.94	24.0	138.9	14.20	24.2
	15	476	106.5	9.96	18.5	117.5	11.72	18.9	126.3	13.06	19.2	135.5	13.70	19.5	138.9	13.96	19.6
	15	714	106.5	9.65	17.3	117.5	11.36	17.6	126.3	12.66	17.8	135.5	13.28	18.0	138.9	13.53	18.1
	20	238	106.5	12.21	27.1	117.5	14.37	27.9	126.3	16.01	28.6	135.5	16.80	29.2	138.9	17.12	29.4
	20	476	106.5	12.00	23.6	117.5	14.13	24.0	126.3	15.74	24.3	135.5	16.51	24.6	138.9	16.82	24.7
	20	714	106.5	11.63	22.4	117.5	13.69	22.6	126.3	15.26	22.8	135.5	16.01	23.0	138.9	16.31	23.1
	25	238	106.5	15.21	32.3	117.5	17.91	33.2	126.3	19.95	33.8	135.5	20.93	34.4	138.9	21.32	34.7
	25	476	106.5	14.95	28.7	117.5	17.60	29.1	126.3	19.61	29.4	135.5	20.58	29.7	138.9	20.96	29.8
	25	714	106.5	14.49	27.4	117.5	17.06	27.7	126.3	19.01	27.9	135.5	19.94	28.1	138.9	20.32	28.2
	30	238	106.5	18.28	37.5	117.5	21.52	38.4	126.3	23.98	39.1	135.5	25.16	39.7	138.9	25.63	39.9
	30	476	106.5	17.97	33.7	117.5	21.16	34.2	126.3	23.57	34.5	135.5	24.73	34.8	138.9	25.19	34.9
	30	714	106.5	17.41	32.5	117.5	20.50	32.8	126.3	22.84	33.0	135.5	23.97	33.2	138.9	24.41	33.3
	35	238	106.5	19.86	42.6	117.5	23.39	43.5	126.3	26.06	44.2	135.5	27.34	44.8	138.9	27.85	45.0
	35	476	106.5	19.52	38.8	117.5	22.99	39.2	126.3	25.61	39.6	135.5	26.87	39.9	138.9	27.37	40.0
	35	714	106.5	18.92	37.5	117.5	22.28	37.8	126.3	24.82	38.0	135.5	26.04	38.2	138.9	26.53	38.3
	40	238	94.7	22.01	47.0	104.5	25.91	47.9	112.3	28.87	48.5	120.5	30.29	49.1	123.6	30.85	49.3
	40	476	95.5	21.63	43.5	105.4	25.47	43.9	113.3	28.38	44.3	121.5	29.77	44.6	124.6	30.33	44.7
	40	714	96.9	20.97	42.4	106.9	24.69	42.6	114.9	27.50	42.9	123.3	28.85	43.1	126.4	29.39	43.1
	45	238	85.0	23.95	51.6	93.8	28.20	52.4	100.9	31.42	53.0	108.2	32.97	53.5	111.0	33.58	53.7
	45	476	85.7	23.55	48.3	94.6	27.72	48.7	101.7	30.89	49.0	109.1	32.40	49.3	111.9	33.01	49.4
	45	714	87.0	22.82	47.2	96.0	26.87	47.5	103.2	29.94	47.7	110.7	31.41	47.9	113.5	32.00	47.9
80	10	238	94.6	6.29	16.1	104.4	7.41	16.7	112.2	8.25	17.3	120.4	8.66	17.8	123.4	8.82	18.0
	10	476	94.6	6.18	13.0	104.4	7.28	13.4	112.2	8.11	13.6	120.4	8.51	13.9	123.4	8.67	14.0
	10	714	94.6	5.99	12.0	104.4	7.06	12.2	112.2	7.86	12.4	120.4	8.25	12.6	123.4	8.40	12.6
	15	238	94.6	8.40	21.2	104.4	9.89	21.9	112.2	11.02	22.4	120.4	11.56	22.9	123.4	11.77	23.1
	15	476	94.6	8.25	18.1	104.4	9.72	18.4	112.2	10.83	18.7	120.4	11.36	19.0	123.4	11.57	19.1
	15	714	94.6	8.00	17.1	104.4	9.42	17.3	112.2	10.49	17.5	120.4	11.01	17.6	123.4	11.22	17.7
	20	238	94.6	10.12	26.3	104.4	11.92	27.0	112.2	13.28	27.6	120.4	13.93	28.1	123.4	14.19	28.3
	20	476	94.6	9.95	23.1	104.4	11.71	23.5	112.2	13.05	23.8	120.4	13.69	24.0	123.4	13.95	24.1
	20	714	94.6	9.64	22.1	104.4	11.35	22.3	112.2	12.65	22.5	120.4	13.27	22.7	123.4	13.52	22.7
	25	238	94.6	12.61	31.5	104.4	14.85	32.2	112.2	16.54	32.8	120.4	17.35	33.3	123.4	17.68	33.5
	25	476	94.6	12.39	28.2	104.4	14.59	28.6	112.2	16.26	28.9	120.4	17.06	29.1	123.4	17.38	29.2
	25	714	94.6	12.01	27.1	104.4	14.14	27.4	112.2	15.76	27.6	120.4	16.53	27.7	123.4	16.84	27.8
	30	238	94.6	15.15	36.6	104.4	17.84	37.4	112.2	19.88	38.0	120.4	20.85	38.5	123.4	21.25	38.7
	30	476	94.6	14.89	33.3	104.4	17.54	33.7	112.2	19.54	34.0	120.4	20.50	34.2	123.4	20.88	34.3
	30	714	94.6	14.44	32.2	104.4	17.00	32.4	112.2	18.94	32.6	120.4	19.87	32.8	123.4	20.24	32.9
	35	238	94.6	16.47	41.7	104.4	19.39	42.5	112.2	21.60	43.1	120.4	22.66	43.6	123.4	23.09	43.8
	35	476	94.6	16.19	38.3	104.4	19.06	38.7	112.2	21.23	39.0	120.4	22.28	39.3	123.4	22.69	39.4
	35	714	94.6	15.69	37.2	104.4	18.47	37.5	112.2	20.58	37.7	120.4	21.59	37.8	123.4	21.99	37.9
	40	238	84.1	18.24	46.2	92.8	21.48	46.9	99.8	23.93	47.5	107.0	25.11	48.0	109.8	25.58	48.2
	40	476	84.8	17.93	43.1	93.6	21.12	43.5	100.6	23.53	43.7	108.0	24.68	44.0	110.7	25.14	44.1
	40	714	86.0	17.38	42.1	95.0	20.47	42.3	102.1	22.80	42.5	109.5	23.92	42.7	112.3	24.37	42.7
	45	238	75.5	19.86	50.7	83.4	23.38	51.4	89.6	26.05	52.0	96.1	27.33	52.4	98.6	27.84	52.6
	45	476	76.2	19.52	47.9	84.1	22.98	48.2	90.4	25.61	48.5	96.9	26.86	48.7	99.4	27.37	48.8
	45	714	77.3	18.92	46.9	85.3	22.28	47.2	91.7	24.82	47.3	98.3	26.04	47.5	100.8	26.52	47.6

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp (℃)	Water Flow Rate (LPM)	Indoor Temperature (DB/WB ℃)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	238	82.7	5.26	15.3	91.3	6.19	15.9	98.1	6.90	16.3	105.3	7.24	16.8	107.9	7.37	16.9
	10	476	82.7	5.17	12.6	91.3	6.09	12.9	98.1	6.78	13.2	105.3	7.11	13.4	107.9	7.25	13.5
	10	714	82.7	5.01	11.8	91.3	5.90	12.0	98.1	6.57	12.1	105.3	6.89	12.3	107.9	7.02	12.3
	15	238	82.7	7.02	20.4	91.3	8.26	21.0	98.1	9.21	21.5	105.3	9.66	21.9	107.9	9.84	22.1
	15	476	82.7	6.90	17.7	91.3	8.12	18.0	98.1	9.05	18.2	105.3	9.49	18.5	107.9	9.67	18.5
	15	714	82.7	6.69	16.8	91.3	7.87	17.0	98.1	8.77	17.1	105.3	9.20	17.3	107.9	9.37	17.4
	20	238	82.7	8.46	25.5	91.3	9.96	26.1	98.1	11.10	26.6	105.3	11.64	27.0	107.9	11.86	27.2
	20	476	82.7	8.31	22.7	91.3	9.79	23.0	98.1	10.91	23.3	105.3	11.44	23.5	107.9	11.66	23.6
	20	714	82.7	8.06	21.8	91.3	9.49	22.0	98.1	10.57	22.2	105.3	11.09	22.3	107.9	11.30	22.4
	25	238	82.7	10.54	30.6	91.3	12.41	31.2	98.1	13.82	31.7	105.3	14.50	32.2	107.9	14.77	32.4
	25	476	82.7	10.36	27.8	91.3	12.20	28.1	98.1	13.59	28.4	105.3	14.26	28.6	107.9	14.52	28.7
	25	714	82.7	10.04	26.9	91.3	11.82	27.1	98.1	13.17	27.2	105.3	13.82	27.4	107.9	14.08	27.4
	30	238	82.7	12.66	35.7	91.3	14.91	36.4	98.1	16.61	36.9	105.3	17.43	37.4	107.9	17.75	37.6
	30	476	82.7	12.45	32.9	91.3	14.66	33.2	98.1	16.33	33.4	105.3	17.13	33.7	107.9	17.45	33.8
	30	714	82.7	12.06	31.9	91.3	14.21	32.1	98.1	15.83	32.3	105.3	16.60	32.4	107.9	16.92	32.5
	35	238	82.7	13.76	40.8	91.3	16.20	41.5	98.1	18.05	42.0	105.3	18.94	42.5	107.9	19.29	42.7
	35	476	82.7	13.53	37.9	91.3	15.93	38.2	98.1	17.74	38.5	105.3	18.62	38.7	107.9	18.97	38.8
	35	714	82.7	13.11	36.9	91.3	15.44	37.1	98.1	17.20	37.3	105.3	18.04	37.5	107.9	18.38	37.5
	40	238	73.6	15.25	45.3	81.2	17.95	46.0	87.3	20.00	46.5	93.6	20.98	46.9	96.0	21.38	47.1
	40	476	74.2	14.99	42.7	81.9	17.65	43.0	88.0	19.66	43.2	94.4	20.63	43.5	96.8	21.01	43.5
	40	714	75.3	14.53	41.8	83.1	17.10	42.0	89.3	19.06	42.2	95.8	19.99	42.3	98.2	20.37	42.4
	45	238	66.1	16.60	50.0	72.9	19.54	50.6	78.4	21.77	51.0	84.1	22.84	51.4	86.2	23.27	51.6
	45	476	66.6	16.31	47.5	73.5	19.21	47.8	79.0	21.40	48.0	84.8	22.45	48.2	86.9	22.87	48.3
	45	714	67.6	15.81	46.7	74.6	18.62	46.9	80.2	20.74	47.0	86.0	21.76	47.2	88.2	22.17	47.2
60	10	238	70.6	4.15	14.5	77.9	4.88	15.0	83.8	5.44	15.4	89.8	5.71	15.8	92.1	5.81	15.9
	10	476	70.6	4.08	12.2	77.9	4.80	12.5	83.8	5.35	12.7	89.8	5.61	12.9	92.1	5.72	12.9
	10	714	70.6	3.95	11.5	77.9	4.65	11.7	83.8	5.18	11.8	89.8	5.44	11.9	92.1	5.54	12.0
	15	238	70.6	5.54	19.6	77.9	6.52	20.1	83.8	7.26	20.5	89.8	7.62	20.9	92.1	7.76	21.0
	15	476	70.6	5.44	17.3	77.9	6.41	17.5	83.8	7.14	17.7	89.8	7.49	17.9	92.1	7.63	18.0
	15	714	70.6	5.27	16.5	77.9	6.21	16.7	83.8	6.92	16.8	89.8	7.26	16.9	92.1	7.39	17.0
	20	238	70.6	6.67	24.7	77.9	7.86	25.2	83.8	8.75	25.6	89.8	9.18	26.0	92.1	9.35	26.1
	20	476	70.6	6.56	22.3	77.9	7.72	22.6	83.8	8.60	22.8	89.8	9.03	23.0	92.1	9.19	23.1
	20	714	70.6	6.36	21.5	77.9	7.48	21.7	83.8	8.34	21.8	89.8	8.75	22.0	92.1	8.91	22.0
	25	238	70.6	8.31	29.8	77.9	9.79	30.3	83.8	10.90	30.7	89.8	11.44	31.1	92.1	11.65	31.3
	25	476	70.6	8.17	27.4	77.9	9.62	27.6	83.8	10.72	27.8	89.8	11.25	28.0	92.1	11.46	28.1
	25	714	70.6	7.92	26.6	77.9	9.32	26.8	83.8	10.39	26.9	89.8	10.90	27.0	92.1	11.10	27.1
	30	238	70.6	9.99	34.9	77.9	11.76	35.4	83.8	13.10	35.8	89.8	13.75	36.2	92.1	14.00	36.4
	30	476	70.6	9.82	32.4	77.9	11.56	32.7	83.8	12.88	32.9	89.8	13.51	33.1	92.1	13.77	33.2
	30	714	70.6	9.52	31.6	77.9	11.21	31.8	83.8	12.48	31.9	89.8	13.10	32.1	92.1	13.34	32.1
	35	238	70.6	10.85	39.9	77.9	12.78	40.5	83.8	14.24	40.9	89.8	14.94	41.3	92.1	15.22	41.5
	35	476	70.6	10.67	37.4	77.9	12.56	37.7	83.8	14.00	37.9	89.8	14.68	38.1	92.1	14.96	38.2
	35	714	70.6	10.34	36.6	77.9	12.18	36.8	83.8	13.57	37.0	89.8	14.23	37.1	92.1	14.50	37.1
	40	238	62.8	12.03	44.5	69.3	14.16	45.0	74.5	15.78	45.4	79.9	16.55	45.8	81.9	16.86	46.0
	40	476	63.3	11.82	42.3	69.9	13.92	42.5	75.1	15.51	42.7	80.6	16.27	42.9	82.6	16.57	43.0
	40	714	64.2	11.46	41.5	70.9	13.49	41.7	76.2	15.03	41.8	81.7	15.77	42.0	83.8	16.06	42.0
	45	238	56.4	13.09	49.2	62.2	15.41	49.7	66.9	17.17	50.1	71.7	18.02	50.4	73.6	18.35	50.5
	45	476	56.9	12.87	47.1	62.8	15.15	47.3	67.5	16.88	47.5	72.4	17.71	47.7	74.2	18.04	47.8
	45	714	57.7	12.47	46.4	63.7	14.68	46.6	68.4	16.36	46.7	73.4	17.16	46.8	75.3	17.49	46.9
50	10	238	59.2	3.06	13.7	65.3	3.60	14.2	70.2	4.01	14.5	75.3	4.21	14.8	77.2	4.29	14.9
	10	476	59.2	3.01	11.9	65.3	3.54	12.1	70.2	3.94	12.2	75.3	4.14	12.4	77.2	4.22	12.5
	10	714	59.2	2.91	11.2	65.3	3.43	11.4	70.2	3.82	11.5	75.3	4.01	11.6	77.2	4.09	11.6
	15	238	59.2	4.08	18.8	65.3	4.81	19.2	70.2	5.36	19.6	75.3	5.62	19.9	77.2	5.72	20.0
	15	476	59.2	4.01	16.9	65.3	4.73	17.1	70.2	5.26	17.3	75.3	5.52	17.4	77.2	5.63	17.5
	15	714	59.2	3.89	16.3	65.3	4.58	16.4	70.2	5.10	16.5	75.3	5.35	16.6	77.2	5.45	16.7
	20	238	59.2	4.92	23.9	65.3	5.79	24.3	70.2	6.46	24.6	75.3	6.77	24.9	77.2	6.90	25.1
	20	476	59.2	4.84	21.9	65.3	5.70	22.1	70.2	6.35	22.3	75.3	6.66	22.5	77.2	6.78	22.5
	20	714	59.2	4.69	21.3	65.3	5.52	21.4	70.2	6.15	21.5	75.3	6.45	21.6	77.2	6.57	21.7
	25	238	59.2	6.13	28.9	65.3	7.22	29.4	70.2	8.04	29.7	75.3	8.44	30.0	77.2	8.60	30.2
	25	476	59.2	6.03	27.0	65.3	7.10	27.2	70.2	7.91	27.4	75.3	8.29	27.5	77.2	8.45	27.6
	25	714	59.2	5.84	26.3	65.3	6.88	26.4	70.2	7.66	26.6	75.3	8.04	26.7	77.2	8.19	26.7
	30	238	59.2	7.37	34.0	65.3	8.68	34.5	70.2	9.67	34.8	75.3	10.14	35.1	77.2	10.33	35.3
	30	476	59.2	7.24	32.0	65.3	8.53	32.2	70.2	9.50	32.4	75.3	9.97	32.6	77.2	10.15	32.6
	30	714	59.2	7.02	31.3	65.3	8.26	31.5	70.2	9.21	31.6	75.3	9.66	31.7	77.2	9.84	31.7
	35	238	59.2	8.01	39.0	65.3	9.43	39.5	70.2	10.50	39.9	75.3	11.02	40.2	77.2	11.22	40.3
	35	476	59.2	7.87	37.0	65.3	9.27	37.2	70.2	10.32	37.4	75.3	10.83	37.6	77.2	11.03	37.7
	35	714	59.2	7.63	36.3	65.3	8.98	36.5	70.2	10.01	36.6	75.3	10.50	36.7	77.2	10.69	36.8
	40	238	52.6	8.87	43.7	58.1	10.44	44.1	62.4	11.64	44.5	67.0	12.21	44.8	68.7	12.44	44.9
	40	476	53.1	8.72	41.9	58.6	10.27	42.1	63.0	11.44	42.2	67.5	12.00	42.4	69.3	12.23	42.5
	40	714	53.8	8.45	41.3	59.4	9.95	41.4	63.9	11.09	41.5	68.5	11.63	41.6	70.3	11.85	41.6
	45	238	47.3	9.66	48.4	52.2	11.37	48.8	56.1	12.67	49.1	60.1	13.29	49.4	61.7	13.54	49.5
	45	476	47.7	9.49	46.7	52.6	11.18	46.9	56.5	12.45	47.1	60.6	13.06	47.2	62.2	13.31	47.3
	45	714	48.3	9.20	46.2	53.4	10.83	46.3	57.4	12.07	46.4	61.5	12.66	46.5	63.1	12.90	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	238	189.6	42.03	-3.9	186.7	40.13	-3.8	180.8	39.10	-3.5	169.8	36.24	-3.0	163.7	33.49	-2.8
	5	476	195.2	41.72	0.4	190.7	40.43	0.5	184.4	39.73	0.6	172.6	36.72	0.9	166.1	33.95	1.0
	5	714	196.7	43.19	1.9	192.1	41.78	2.0	185.3	40.46	2.1	174.1	37.50	2.3	167.9	35.24	2.3
	10	238	190.8	37.61	0.8	187.3	35.91	0.9	180.8	35.27	1.2	169.8	32.66	1.7	163.7	30.37	2.0
	10	476	195.2	37.31	5.2	190.7	36.01	5.3	184.4	35.51	5.5	172.6	32.57	5.8	166.1	30.34	5.9
	10	714	196.7	38.07	6.8	192.7	36.80	6.9	186.5	35.71	7.0	174.1	32.80	7.2	167.9	30.95	7.3
	15	238	191.8	33.64	5.5	188.3	31.89	5.6	185.6	32.08	5.8	172.4	29.09	6.4	165.2	27.36	6.7
	15	476	197.7	32.27	10.0	193.7	31.34	10.1	191.6	31.82	10.2	178.1	28.27	10.5	169.9	26.41	10.7
	15	714	199.2	33.44	11.7	196.7	32.44	11.7	195.1	31.83	11.7	181.0	28.18	11.9	173.6	27.55	12.1
	20	238	198.7	30.92	9.9	195.2	29.22	10.0	192.6	29.01	10.1	179.1	25.97	10.8	170.8	25.78	11.3
	20	476	205.1	29.74	14.7	201.6	29.28	14.8	198.0	30.65	15.0	184.8	26.80	15.2	176.9	25.89	15.5
	20	714	206.6	30.07	16.5	203.6	29.12	16.5	202.1	29.21	16.5	187.2	26.26	16.8	178.8	25.89	16.9
	25	238	208.0	29.57	14.3	203.1	28.39	14.5	201.1	28.26	14.6	188.2	25.72	15.2	180.7	24.59	15.6
	25	476	208.0	29.12	19.6	203.1	28.19	19.7	201.1	27.76	19.8	188.2	25.31	20.1	180.7	24.72	20.3
	25	714	208.0	28.51	21.4	203.1	27.09	21.5	201.1	27.16	21.5	188.2	25.49	21.7	180.7	23.17	21.8
	30	238	208.0	28.72	19.2	203.1	27.05	19.4	201.1	27.11	19.5	188.2	24.18	20.1	180.7	24.41	20.6
	30	476	208.0	27.76	24.6	203.1	26.85	24.7	201.1	26.46	24.7	188.2	24.40	25.1	180.7	22.80	25.2
	30	714	208.0	27.16	26.4	203.1	25.76	26.4	201.1	25.80	26.5	188.2	22.78	26.7	180.7	23.76	26.9
	35	238	208.0	27.36	24.1	203.1	26.16	24.3	201.1	26.06	24.5	188.2	23.30	25.1	180.7	21.81	25.4
	35	476	208.0	26.46	29.5	203.1	25.57	29.7	201.1	25.56	29.7	188.2	23.04	30.0	180.7	21.30	30.2
	35	714	208.0	26.46	31.4	203.1	25.12	31.4	201.1	24.85	31.5	188.2	22.38	31.7	180.7	20.76	31.8
	40	238	208.0	26.46	29.1	203.1	25.27	29.3	201.1	25.11	29.4	188.2	22.42	30.0	180.7	21.49	30.4
	40	476	208.0	25.55	34.5	203.1	24.63	34.6	201.1	24.25	34.7	188.2	21.61	35.0	180.7	20.69	35.2
	40	714	208.0	24.85	36.3	203.1	24.03	36.4	201.1	24.25	36.4	188.2	21.61	36.7	180.7	20.69	36.8
	45	238	208.0	25.55	34.0	203.1	24.43	34.2	201.1	24.25	34.3	188.2	21.39	35.0	180.7	21.27	35.4
	45	476	208.0	24.70	39.5	203.1	23.78	39.6	201.1	22.89	39.6	188.2	20.01	39.9	180.7	20.04	40.2
	45	714	208.0	23.29	41.3	203.1	22.89	41.4	201.1	23.60	41.4	188.2	20.60	41.6	180.7	20.71	41.8
120	5	238	180.7	41.69	-3.4	177.7	39.97	-3.3	171.9	38.82	-3.0	161.8	35.71	-2.6	154.9	32.99	-2.3
	5	476	185.2	42.28	0.7	181.2	40.77	0.8	174.0	39.73	1.0	163.7	36.46	1.2	156.8	33.39	1.3
	5	714	186.7	42.67	2.1	179.7	41.21	2.2	175.0	40.46	2.3	164.6	37.18	2.4	157.7	34.10	2.5
	10	238	181.7	37.31	1.3	178.3	35.76	1.4	171.9	35.02	1.8	161.8	32.19	2.2	154.9	29.92	2.5
	10	476	185.2	37.81	5.6	181.2	36.31	5.6	174.0	35.51	5.8	163.7	32.34	6.0	156.8	29.84	6.2
	10	714	186.7	37.61	7.0	180.2	36.31	7.1	176.0	35.71	7.2	164.6	32.52	7.3	157.7	29.95	7.4
	15	238	182.7	33.03	6.0	178.8	31.59	6.1	176.5	31.57	6.3	164.3	28.67	6.8	156.3	26.90	7.2
	15	476	186.7	33.33	10.4	183.2	31.89	10.4	180.5	31.82	10.5	168.1	28.27	10.8	159.6	26.04	11.0
	15	714	188.2	32.58	11.9	183.2	31.44	12.0	182.5	31.83	12.0	170.0	28.18	12.2	161.4	26.04	12.3
	20	238	187.7	29.66	10.5	184.2	28.08	10.6	181.0	27.75	10.8	168.6	25.14	11.4	160.0	25.03	11.9
	20	476	192.6	29.34	15.1	188.6	28.68	15.2	184.5	29.87	15.3	172.4	25.91	15.6	164.2	24.42	15.8
	20	714	193.6	29.26	16.7	188.1	28.18	16.8	187.5	28.25	16.8	174.3	25.38	17.0	165.7	24.56	17.2
	25	238	195.5	27.96	14.9	189.6	26.30	15.2	186.5	26.19	15.3	174.3	23.66	15.9	167.1	22.54	16.3
	25	476	196.0	27.55	19.9	189.6	26.15	20.1	186.5	26.04	20.2	174.3	23.21	20.4	167.1	22.68	20.7
	25	714	197.0	25.99	21.6	189.6	25.10	21.7	186.5	25.34	21.8	174.3	23.99	22.0	167.1	21.21	22.1
	30	238	196.5	26.60	19.8	189.6	25.01	20.1	186.5	24.69	20.3	174.3	21.69	20.8	167.1	21.86	21.3
	30	476	196.5	25.74	24.9	189.6	24.42	25.0	186.5	24.24	25.1	174.3	21.85	25.4	167.1	20.37	25.6
	30	714	196.5	24.48	26.5	189.6	23.57	26.7	186.5	23.53	26.7	174.3	20.96	26.9	167.1	21.23	27.1
	35	238	196.5	25.29	24.7	189.6	23.67	25.0	186.5	23.33	25.2	174.3	20.82	25.8	167.1	19.36	26.1
	35	476	196.5	23.83	29.8	189.6	22.78	30.0	186.5	22.42	30.1	174.3	20.07	30.4	167.1	18.54	30.5
	35	714	196.5	23.43	31.5	189.6	22.53	31.6	186.5	22.43	31.7	174.3	20.07	31.9	167.1	18.54	32.0
	40	238	196.5	24.39	29.6	189.6	22.53	29.9	186.5	21.97	30.1	174.3	19.48	30.7	167.1	18.61	31.1
	40	476	196.5	22.52	34.8	189.6	21.49	34.9	186.5	21.07	35.0	174.3	18.71	35.3	167.1	17.80	35.5
	40	714	196.5	22.07	36.5	189.6	21.04	36.6	186.5	21.07	36.7	174.3	18.71	36.9	167.1	17.80	37.0
	45	238	196.5	23.53	34.6	189.6	21.39	34.9	186.5	20.67	35.0	174.3	18.06	35.6	167.1	17.87	36.0
	45	476	196.5	21.16	39.7	189.6	20.15	39.9	186.5	19.71	40.0	174.3	17.16	40.3	167.1	17.06	40.5
	45	714	196.5	20.76	41.5	189.6	19.61	41.6	186.5	19.71	41.7	174.3	17.16	41.8	167.1	17.06	42.0
110	5	238	172.8	42.15	-2.9	169.0	40.13	-2.8	162.8	38.94	-2.5	153.8	35.71	-2.1	145.9	32.99	-1.8
	5	476	176.3	42.45	1.0	171.0	40.77	1.1	164.3	39.73	1.2	154.8	36.46	1.4	146.9	33.39	1.6
	5	714	177.8	43.08	2.3	172.0	41.21	2.4	164.9	40.13	2.5	154.8	36.80	2.6	147.3	34.10	2.7
	10	238	173.9	37.72	1.8	169.6	35.91	2.0	162.8	35.12	2.3	153.8	32.19	2.7	145.9	29.92	3.0
	10	476	176.3	37.97	5.8	171.0	36.31	5.9	164.3	35.51	6.1	154.8	32.34	6.3	146.9	29.84	6.5
	10	714	177.8	37.97	7.2	172.5	36.31	7.3	165.9	35.41	7.4	154.8	32.19	7.5	147.3	29.95	7.6
	15	238	174.4	33.23	6.5	170.1	31.89	6.7	167.1	31.82	6.9	156.2	28.67	7.3	147.2	26.90	7.8
	15	476	177.3	33.03	10.7	172.5	31.89	10.8	169.1	31.82	10.9	157.6	28.27	11.1	149.1	26.04	11.3
	15	714	178.8	32.73	12.1	173.5	31.44	12.1	170.6	31.17	12.2	158.6	27.58	12.4	149.6	26.04	12.5
	20	238	177.8	28.80	11.0	173.0	27.63	11.2	169.6	27.34	11.4	157.6	24.72	12.0	149.1	24.23	12.5
	20	476	181.8	28.69	15.4	175.0	27.78	15.6	171.0	28.81	15.7	160.0	25.10	15.9	151.0	23.27	16.2
	20	714	183.2	29.01	16.9	177.5	27.63	17.0	173.1	27.35	17.1	161.0	23.95	17.2	152.4	23.27	17.4
	25	238	182.7	26.09	15.6	177.0	24.70	15.8	172.6	24.68	16.1	161.0	21.97	16.6	152.9	20.55	17.0
	25	476	184.2	25.94	20.2	177.0	24.31	20.4	172.6	24.23	20.5	161.0	21.57	20.8	152.9	20.59	21.0
	25	714	185.7	25.94	21.8	177.0	24.46	21.9	172.6	23.52	22.0	161.0	22.30	22.2	152.9	19.24	22.3
	30	238	185.2	23.72	20.3	177.0	22.52	20.7	172.6	21.96	20.9	161.0	19.66	21.5	152.9	18.92	21.9
	30	476	185.2	23.32	25.1	177.0	22.08	25.3	172.6	21.51	25.4	161.0	19.72	25.7	152.9	17.89	25.9
	30	714	185.2	23.07	26.7	177.0	21.43	26.9	172.6	20.80	27.0	161.0	18.38	27.1	152.9	18.64	27.3
	35	238	185.2	22.41	25.2	177.0	20.74	25.6	172.6	20.20	25.8	161.0	17.91	26.4	152.9	16.54	26.8
	35	476	185.2	21.51	30.1	177.0	20.34	30.3	172.6	19.70	30.4	161.0	17.57	30.7	152.9	16.09	30.9
	35	714	185.2	20.70	31.7	177.0	19.65	31.8	172.6	19.09	31.9	161.0	17.57	32.1	152.9	16.09	32.3
	40	238	185.2	21.05	30.1	177.0	19.90	30.5	172.6	18.84	30.7	161.0	16.58	31.3	152.9	15.68	31.7
	40	476	185.2	20.20	35.0	177.0	19.00	35.2	172.6	17.93	35.3	161.0	16.19	35.6	152.9	15.33	35.9
	40	714	185.2	19.74	36.7	177.0	18.31	36.8	172.6	17.94	36.9	161.0	15.53	37.1	152.9	14.68	37.2
	45	238	185.2	19.69	35.0	177.0	19.01	35.5	172.6	17.48	35.7	161.0	15.24	36.2	152.9	14.86	36.7
	45	476	185.2	18.84	40.0	177.0	17.67	40.2	172.6	16.12	40.3	161.0	14.68	40.6	152.9	14.52	40.8
	45	714	185.2	18.84	41.7	177.0	16.97	41.8	172.6	16.83	41.9	161.0	13.48	42.0	152.9	13.17	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	238	165.0	42.27	-2.4	159.1	40.64	-2.1	153.4	39.05	-1.9	144.8	35.82	-1.6	136.7	32.58	-1.3
	5	476	167.5	43.03	1.3	160.6	41.34	1.4	153.9	39.85	1.6	144.8	36.56	1.7	136.7	33.23	1.9
	5	714	168.9	43.43	2.5	161.0	41.79	2.6	153.5	40.25	2.7	144.8	36.91	2.8	136.7	33.53	2.9
	10	238	166.0	37.83	2.3	159.6	36.37	2.6	153.4	35.22	2.9	144.8	32.29	3.2	136.7	29.55	3.5
	10	476	167.5	38.49	6.1	160.6	36.81	6.3	153.9	35.62	6.4	144.8	32.44	6.6	136.7	29.70	6.8
	10	714	168.9	38.28	7.4	161.5	36.81	7.5	154.5	35.52	7.6	144.8	32.29	7.7	136.7	29.45	7.8
	15	238	166.5	33.33	7.0	160.6	32.14	7.3	157.5	31.92	7.4	147.0	28.75	7.9	137.9	26.57	8.3
	15	476	167.5	33.99	11.0	160.6	32.24	11.1	157.5	31.92	11.2	147.0	28.36	11.4	137.9	26.12	11.6
	15	714	169.4	33.13	12.3	162.0	31.84	12.4	157.5	31.26	12.5	147.0	27.66	12.6	137.9	25.47	12.7
	20	238	167.9	28.49	11.6	161.0	27.26	11.9	157.5	26.97	12.1	147.0	24.38	12.6	137.9	23.03	13.1
	20	476	170.4	28.72	15.7	161.5	27.51	16.0	157.5	26.97	16.1	147.0	24.38	16.3	137.9	22.14	16.5
	20	714	171.9	28.23	17.1	164.0	27.01	17.2	157.5	26.26	17.4	147.0	23.23	17.5	137.9	21.49	17.7
	25	238	169.9	24.85	16.3	163.5	23.53	16.6	157.5	22.93	16.9	147.0	20.40	17.4	137.9	18.61	17.8
	25	476	172.4	24.90	20.6	163.5	23.03	20.8	157.5	22.48	20.9	147.0	19.95	21.2	137.9	18.61	21.4
	25	714	173.9	24.09	22.0	163.5	22.78	22.2	157.5	21.82	22.3	147.0	19.95	22.4	137.9	17.91	22.6
	30	238	173.4	22.48	20.9	163.5	20.40	21.4	157.5	19.34	21.7	147.0	17.26	22.2	137.9	16.42	22.7
	30	476	173.4	22.02	25.4	163.5	19.95	25.7	157.5	19.14	25.8	147.0	17.26	26.1	137.9	15.92	26.3
	30	714	173.4	21.36	26.9	163.5	19.95	27.1	157.5	18.74	27.2	147.0	16.57	27.4	137.9	15.92	27.6
	35	238	173.4	20.71	25.8	163.5	18.61	26.3	157.5	17.07	26.5	147.0	15.47	27.1	137.9	14.13	27.5
	35	476	173.4	19.75	30.4	163.5	17.71	30.6	157.5	16.87	30.8	147.0	15.07	31.0	137.9	13.73	31.3
	35	714	173.4	19.75	31.9	163.5	17.71	32.1	157.5	16.52	32.2	147.0	15.07	32.4	137.9	13.73	32.5
	40	238	173.4	19.34	30.7	163.5	17.26	31.2	157.5	15.30	31.4	147.0	13.73	32.0	137.9	12.83	32.5
	40	476	173.4	18.43	35.3	163.5	16.42	35.6	157.5	15.10	35.7	147.0	13.28	36.0	137.9	12.44	36.2
	40	714	173.4	17.78	36.9	163.5	16.42	37.0	157.5	14.70	37.1	147.0	13.28	37.3	137.9	12.44	37.5
	45	238	173.4	17.98	35.6	163.5	15.92	36.1	157.5	13.49	36.3	147.0	11.94	36.9	137.9	11.49	37.4
	45	476	173.4	17.07	40.3	163.5	15.07	40.5	157.5	13.28	40.7	147.0	11.49	40.9	137.9	11.09	41.2
	45	714	173.4	15.76	41.8	163.5	15.07	42.0	157.5	12.88	42.1	147.0	11.49	42.3	137.9	11.09	42.5
90	5	238	148.2	39.70	-1.5	143.3	37.49	-1.4	138.9	35.40	-1.2	127.5	32.51	-0.7	117.1	29.16	-0.3
	5	476	149.2	40.42	1.7	142.8	38.21	1.9	138.9	36.08	1.9	127.5	33.20	2.2	117.1	29.74	2.4
	5	714	150.1	40.78	2.8	143.8	38.57	2.9	138.9	36.50	2.9	127.5	33.51	3.1	117.1	30.10	3.3
	10	238	149.2	34.92	3.1	143.8	33.22	3.3	138.9	31.94	3.6	127.5	29.32	4.1	117.1	26.48	4.5
	10	476	148.7	35.02	6.6	143.3	33.38	6.7	138.9	32.04	6.8	127.5	29.21	7.0	117.1	26.54	7.3
	10	714	150.1	34.92	7.7	143.8	33.22	7.8	138.9	31.94	7.9	127.5	29.37	8.0	117.1	26.69	8.2
	15	238	149.7	30.14	7.8	144.3	29.01	8.1	138.9	28.48	8.4	130.0	26.12	8.7	123.7	23.81	9.0
	15	476	148.7	29.62	11.4	143.3	28.54	11.5	138.9	28.00	11.7	130.0	25.23	11.8	123.7	23.34	12.0
	15	714	150.1	29.01	12.6	143.8	27.93	12.7	138.9	27.27	12.8	130.0	25.23	12.9	123.7	23.34	13.0
	20	238	150.6	25.51	12.5	144.7	24.74	12.8	138.9	24.28	13.1	130.0	22.39	13.5	123.7	21.03	13.8
	20	476	150.1	25.51	16.2	143.8	24.43	16.4	141.6	24.28	16.5	130.0	21.50	16.7	123.7	20.09	16.9
	20	714	150.6	24.89	17.5	144.3	24.17	17.6	141.6	24.28	17.6	130.0	21.50	17.8	123.7	20.09	17.9
	25	238	153.6	22.27	17.1	146.7	21.09	17.4	141.6	20.91	17.7	130.0	18.67	18.3	123.7	17.31	18.6
	25	476	155.1	22.06	21.0	146.7	20.88	21.2	141.6	20.48	21.4	130.0	18.20	21.6	123.7	16.78	21.8
	25	714	156.0	21.19	22.3	146.7	20.16	22.5	141.6	20.48	22.6	130.0	18.20	22.8	123.7	16.78	22.9
	30	238	155.5	20.11	21.8	146.7	18.77	22.3	141.6	18.08	22.6	130.0	16.31	23.2	123.7	14.89	23.5
	30	476	155.5	19.70	25.9	146.7	18.31	26.1	141.6	17.65	26.3	130.0	15.89	26.6	123.7	14.89	26.7
	30	714	155.5	18.98	27.3	146.7	17.59	27.4	141.6	17.65	27.5	130.0	15.89	27.7	123.7	14.26	27.8
	35	238	155.5	18.31	26.7	146.7	16.97	27.2	141.6	16.20	27.4	130.0	14.47	28.0	123.7	13.53	28.4
	35	476	155.5	18.67	30.9	146.7	16.46	31.1	141.6	15.72	31.2	130.0	14.00	31.5	123.7	13.53	31.7
	35	714	155.5	17.13	32.2	146.7	16.78	32.4	141.6	14.97	32.5	130.0	14.00	32.7	123.7	13.53	32.8
	40	238	155.5	16.97	31.7	146.7	15.58	32.1	141.6	14.28	32.3	130.0	13.11	33.0	123.7	12.11	33.3
	40	476	155.5	15.99	35.8	146.7	15.12	36.0	141.6	13.80	36.2	130.0	12.59	36.5	123.7	11.69	36.6
	40	714	155.5	15.99	37.2	146.7	15.12	37.4	141.6	13.80	37.4	130.0	12.59	37.6	123.7	12.11	37.8
	45	238	155.5	15.58	36.6	146.7	14.19	37.0	141.6	12.35	37.2	130.0	11.69	37.9	123.7	10.70	38.2
	45	476	155.5	14.19	40.7	146.7	13.73	41.0	141.6	11.93	41.1	130.0	11.22	41.4	123.7	10.28	41.6
	45	714	155.5	16.31	42.2	146.7	14.45	42.3	141.6	12.57	42.4	130.0	11.22	42.6	123.7	10.28	42.7
80	5	238	140.5	32.57	-1.5	131.6	30.75	-1.1	127.1	29.11	-0.9	117.3	26.67	-0.5	107.7	23.92	0.0
	5	476	140.5	33.16	1.8	131.6	31.35	2.0	127.2	29.67	2.1	117.3	27.23	2.3	107.7	24.39	2.5
	5	714	140.5	33.45	2.9	131.6	31.64	3.0	127.1	30.01	3.1	117.3	27.49	3.2	107.7	24.69	3.3
	10	238	140.5	28.65	3.3	131.6	27.25	3.7	127.1	26.26	3.9	117.3	24.05	4.4	107.7	21.72	4.8
	10	476	140.5	28.73	6.6	131.6	27.38	6.9	127.2	26.39	7.0	117.3	23.96	7.2	107.7	21.77	7.4
	10	714	140.5	28.65	7.8	131.6	27.25	7.9	127.3	26.30	8.0	117.3	24.09	8.1	107.7	21.90	8.3
	15	238	140.5	24.72	8.0	131.6	23.79	8.5	127.8	23.49	8.7	117.9	21.42	9.2	111.2	19.53	9.5
	15	476	140.5	24.30	11.5	131.6	23.41	11.7	127.8	23.17	11.9	117.9	20.69	12.1	111.2	19.14	12.2
	15	714	140.5	23.79	12.7	131.6	22.91	12.8	127.8	22.59	12.9	117.9	20.69	13.0	111.2	19.14	13.2
	20	238	140.5	20.93	12.8	131.6	20.29	13.3	127.8	19.99	13.5	117.9	18.37	14.0	111.2	17.25	14.3
	20	476	140.5	20.93	16.4	131.6	20.04	16.6	127.8	20.31	16.8	117.9	17.64	17.0	111.2	16.48	17.1
	20	714	140.5	20.42	17.6	131.6	19.83	17.8	127.8	20.21	17.8	117.9	17.64	18.0	111.2	16.48	18.1
	25	238	141.3	18.27	17.6	132.2	17.30	18.1	127.8	17.17	18.3	117.9	15.32	18.8	111.2	14.20	19.2
	25	476	141.3	18.10	21.3	132.2	17.13	21.5	127.8	16.82	21.7	117.9	14.93	21.9	111.2	13.77	22.1
	25	714	141.3	17.38	22.5	132.2	16.54	22.7	127.8	16.73	22.8	117.9	14.93	22.9	111.2	13.77	23.0
	30	238	141.3	16.50	22.5	132.2	15.40	23.0	127.8	14.78	23.2	117.9	13.38	23.7	111.2	12.22	24.0
	30	476	141.3	16.16	26.2	132.2	15.02	26.5	127.8	14.46	26.6	117.9	13.03	26.8	111.2	12.22	27.0
	30	714	141.3	15.57	27.5	132.2	14.43	27.6	127.8	14.41	27.7	117.9	13.03	27.9	111.2	11.70	28.0
	35	238	141.3	15.02	27.4	132.2	13.92	27.9	127.8	13.21	28.1	117.9	11.87	28.6	111.2	11.10	29.0
	35	476	141.3	15.32	31.2	132.2	13.50	31.4	127.8	12.86	31.5	117.9	11.49	31.8	111.2	11.10	32.0
	35	714	141.3	14.05	32.4	132.2	13.77	32.6	127.8	12.31	32.7	117.9	11.49	32.9	111.2	11.10	33.0
	40	238	141.3	13.92	32.3	132.2	12.78	32.8	127.8	11.68	33.0	117.9	10.75	33.5	111.2	9.94	33.9
	40	476	141.3	13.12	36.1	132.2	12.40	36.4	127.8	11.33	36.5	117.9	10.32	36.8	111.2	9.59	36.9
	40	714	141.3	13.12	37.4	132.2	12.40	37.6	127.8	11.27	37.7	117.9	10.32	37.8	111.2	9.94	38.0
	45	238	141.3	13.12	37.3	132.2	12.40	37.8	127.8	11.10	38.0	117.9	10.32	38.5	111.2	9.94	38.9
	45	476	141.3	13.12	41.1	132.2	12.40	41.4	127.8	11.07	41.5	117.9	10.32	41.8	111.2	9.94	42.0
	45	714	141.3	13.12	42.4	132.2	12.40	42.6	127.8	11.02	42.7	117.9	10.32	42.8	111.2	9.94	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	238	122.1	27.38	-0.7	114.3	25.85	-0.3	111.0	24.41	-0.2	101.9	22.42	0.2	93.6	20.11	0.6
	5	476	122.1	27.87	2.2	114.3	26.35	2.4	111.0	24.88	2.4	101.9	22.89	2.6	93.6	20.50	2.8
	5	714	122.1	28.12	3.1	114.3	26.60	3.2	111.0	25.17	3.3	101.9	23.11	3.4	93.6	20.76	3.5
	10	238	122.1	24.08	4.1	114.3	22.91	4.5	111.0	22.02	4.6	101.9	20.21	5.1	93.6	18.26	5.5
	10	476	122.1	24.15	7.1	114.3	23.01	7.3	111.0	22.09	7.3	101.9	20.14	7.5	93.6	18.30	7.7
	10	714	122.1	24.08	8.0	114.3	22.91	8.2	111.0	22.02	8.2	101.9	20.25	8.4	93.6	18.41	8.5
	15	238	122.1	20.78	8.9	114.3	20.00	9.3	111.0	19.64	9.5	102.5	18.01	9.9	96.6	16.42	10.2
	15	476	122.1	20.43	11.9	114.3	19.68	12.1	111.0	19.31	12.2	102.5	17.39	12.4	96.6	16.09	12.6
	15	714	122.1	20.00	13.0	114.3	19.26	13.1	111.0	18.80	13.1	102.5	17.39	13.3	96.6	16.09	13.4
	20	238	122.1	17.59	13.7	114.3	17.06	14.1	111.0	16.74	14.3	102.5	15.44	14.8	96.6	14.50	15.1
	20	476	122.1	17.59	16.9	114.3	16.84	17.1	111.0	17.07	17.2	102.5	14.83	17.4	96.6	13.85	17.5
	20	714	122.1	17.16	17.9	114.3	16.67	18.0	111.0	17.07	18.1	102.5	14.83	18.2	96.6	13.85	18.3
	25	238	122.8	15.35	18.5	114.9	14.54	19.0	111.0	14.42	19.2	102.5	12.87	19.6	96.6	11.93	19.9
	25	476	122.8	15.21	21.8	114.9	14.40	22.0	111.0	14.12	22.1	102.5	12.55	22.3	96.6	11.57	22.4
	25	714	122.8	14.61	22.8	114.9	13.90	23.0	111.0	14.12	23.1	102.5	12.55	23.2	96.6	11.57	23.3
	30	238	122.8	13.87	23.4	114.9	12.94	23.9	111.0	12.46	24.1	102.5	11.25	24.5	96.6	10.27	24.8
	30	476	122.8	13.58	26.7	114.9	12.62	26.9	111.0	12.17	27.0	102.5	10.96	27.2	96.6	10.27	27.4
	30	714	122.8	13.09	27.8	114.9	12.13	27.9	111.0	12.17	28.0	102.5	10.96	28.2	96.6	9.84	28.3
	35	238	122.8	12.62	28.4	114.9	11.70	28.8	111.0	11.17	29.0	102.5	9.98	29.4	96.6	9.33	29.7
	35	476	122.8	12.87	31.7	114.9	11.35	31.9	111.0	10.84	32.0	102.5	9.65	32.2	96.6	9.33	32.4
	35	714	122.8	11.81	32.8	114.9	11.57	32.9	111.0	10.32	33.0	102.5	9.65	33.1	96.6	9.33	33.2
	40	238	122.8	11.70	33.3	114.9	10.74	33.7	111.0	9.85	33.9	102.5	9.04	34.4	96.6	8.35	34.7
	40	476	122.8	11.03	36.6	114.9	10.43	36.9	111.0	9.51	36.9	102.5	8.68	37.2	96.6	8.06	37.3
	40	714	122.8	11.03	37.8	114.9	10.43	37.9	111.0	9.51	38.0	102.5	8.68	38.1	96.6	8.35	38.2
	45	238	122.8	11.03	38.3	114.9	10.43	38.7	111.0	9.51	38.9	102.5	8.68	39.4	96.6	8.35	39.7
	45	476	122.8	11.03	41.6	114.9	10.43	41.9	111.0	9.51	41.9	102.5	8.68	42.2	96.6	8.35	42.3
	45	714	122.8	11.03	42.8	114.9	10.43	42.9	111.0	9.51	43.0	102.5	8.68	43.1	96.6	8.35	43.2
60	5	238	104.5	21.90	0.0	97.9	20.68	0.4	95.0	19.53	0.5	87.2	17.94	0.8	80.1	16.08	1.1
	5	476	104.5	22.30	2.5	97.9	21.08	2.7	95.0	19.90	2.7	87.2	18.31	2.9	80.1	16.40	3.1
	5	714	104.5	22.50	3.4	97.9	21.28	3.5	95.0	20.13	3.5	87.2	18.49	3.6	80.1	16.61	3.7
	10	238	104.5	19.26	4.9	97.9	18.33	5.2	95.0	17.62	5.3	87.2	16.17	5.7	80.1	14.61	6.1
	10	476	104.5	19.32	7.4	97.9	18.41	7.6	95.0	17.68	7.7	87.2	16.11	7.9	80.1	14.64	8.0
	10	714	104.5	19.26	8.3	97.9	18.33	8.4	95.0	17.62	8.4	87.2	16.20	8.6	80.1	14.73	8.7
	15	238	104.5	16.62	9.7	97.9	16.00	10.1	95.0	15.71	10.2	87.7	14.41	10.6	82.7	13.13	10.8
	15	476	104.5	16.34	12.3	97.9	15.75	12.5	95.0	15.45	12.6	87.7	13.92	12.8	82.7	12.87	12.9
	15	714	104.5	16.00	13.2	97.9	15.40	13.3	95.0	15.04	13.4	87.7	13.92	13.5	82.7	12.87	13.6
	20	238	104.5	14.07	14.6	97.9	13.65	14.9	95.0	13.39	15.1	87.7	12.35	15.5	82.7	11.60	15.7
	20	476	104.5	14.07	17.3	97.9	13.48	17.5	95.0	13.66	17.6	87.7	11.86	17.7	82.7	11.08	17.8
	20	714	104.5	13.73	18.2	97.9	13.33	18.3	95.0	13.66	18.4	87.7	11.86	18.5	82.7	11.08	18.6
	25	238	105.1	12.28	19.4	98.3	11.63	19.8	95.0	11.53	20.0	87.7	10.30	20.3	82.7	9.55	20.6
	25	476	105.1	12.17	22.2	98.3	11.52	22.4	95.0	11.30	22.5	87.7	10.04	22.7	82.7	9.26	22.8
	25	714	105.1	11.69	23.1	98.3	11.12	23.2	95.0	11.30	23.3	87.7	10.04	23.4	82.7	9.26	23.5
	30	238	105.1	11.09	24.3	98.3	10.36	24.7	95.0	9.97	24.9	87.7	9.00	25.3	82.7	8.22	25.5
	30	476	105.1	10.87	27.2	98.3	10.10	27.3	95.0	9.74	27.4	87.7	8.77	27.6	82.7	8.22	27.8
	30	714	105.1	10.47	28.1	98.3	9.70	28.2	95.0	9.74	28.3	87.7	8.77	28.4	82.7	7.87	28.5
	35	238	105.1	10.10	29.3	98.3	9.36	29.6	95.0	8.94	29.8	87.7	7.98	30.2	82.7	7.46	30.5
	35	476	105.1	10.30	32.1	98.3	9.08	32.3	95.0	8.67	32.4	87.7	7.72	32.6	82.7	7.46	32.7
	35	714	105.1	9.45	33.1	98.3	9.26	33.2	95.0	8.26	33.3	87.7	7.72	33.4	82.7	7.46	33.5
	40	238	105.1	9.36	34.2	98.3	8.60	34.6	95.0	7.88	34.8	87.7	7.23	35.2	82.7	6.68	35.4
	40	476	105.1	8.82	37.1	98.3	8.34	37.3	95.0	7.61	37.4	87.7	6.94	37.6	82.7	6.45	37.7
	40	714	105.1	8.82	38.1	98.3	8.34	38.2	95.0	7.61	38.2	87.7	6.94	38.4	82.7	6.68	38.5
	45	238	105.1	8.82	39.2	98.3	8.34	39.6	95.0	7.61	39.7	87.7	6.94	40.1	82.7	6.68	40.4
	45	476	105.1	8.82	42.1	98.3	8.34	42.3	95.0	7.61	42.4	87.7	6.94	42.6	82.7	6.68	42.7
	45	714	105.1	8.82	43.1	98.3	8.34	43.2	95.0	7.61	43.2	87.7	6.94	43.4	82.7	6.68	43.5
50	5	238	86.9	17.57	0.8	81.1	16.57	1.1	78.6	15.70	1.2	72.6	14.42	1.5	67.0	12.96	1.7
	5	476	86.9	17.89	2.9	81.2	16.89	3.1	78.6	16.00	3.1	72.6	14.72	3.3	67.0	13.22	3.4
	5	714	86.9	18.04	3.6	81.3	17.05	3.7	78.6	16.19	3.7	72.6	14.86	3.8	67.0	13.37	3.9
	10	238	86.9	15.45	5.7	81.1	14.71	6.0	78.6	14.16	6.1	72.6	13.00	6.4	67.0	11.77	6.7
	10	476	86.9	15.50	7.8	81.2	14.80	8.0	78.6	14.23	8.1	72.6	12.97	8.2	67.0	11.80	8.3
	10	714	86.9	15.45	8.6	81.3	14.75	8.7	78.7	14.19	8.7	72.6	13.02	8.8	67.0	11.84	8.9
	15	238	86.9	13.33	10.6	81.2	12.87	10.9	79.0	12.67	11.0	73.1	11.58	11.3	68.8	10.58	11.5
	15	476	86.9	13.11	12.8	81.2	12.71	12.9	79.0	12.50	13.0	73.1	11.23	13.1	68.8	10.38	13.2
	15	714	86.9	12.83	13.5	81.4	12.46	13.6	79.0	12.18	13.7	73.1	11.17	13.8	68.8	10.33	13.8
	20	238	86.9	11.29	15.4	81.3	10.97	15.8	79.0	10.78	15.9	73.1	9.91	16.2	68.8	9.31	16.4
	20	476	86.9	11.29	17.7	81.3	10.88	17.9	79.0	10.95	18.0	73.1	9.58	18.1	68.8	8.91	18.2
	20	714	86.9	11.01	18.5	81.5	10.75	18.6	79.0	10.90	18.6	73.1	9.50	18.7	68.8	8.86	18.8
	25	238	87.4	9.85	20.3	81.8	9.37	20.6	79.0	9.26	20.8	73.1	8.26	21.1	68.8	7.64	21.3
	25	476	87.4	9.76	22.7	81.8	9.26	22.8	79.0	9.07	22.9	73.1	8.06	23.0	68.8	7.45	23.2
	25	714	87.4	9.38	23.4	81.8	8.98	23.5	79.0	9.03	23.6	73.1	8.06	23.7	68.8	7.40	23.8
	30	238	87.4	8.90	25.3	81.8	8.30	25.6	79.0	7.97	25.7	73.1	7.18	26.0	68.8	6.60	26.3
	30	476	87.4	8.72	27.6	81.8	8.10	27.8	79.0	7.80	27.9	73.1	7.02	28.0	68.8	6.57	28.1
	30	714	87.4	8.40	28.4	81.8	7.84	28.5	79.0	7.77	28.6	73.1	7.02	28.7	68.8	6.34	28.7
	35	238	87.4	8.10	30.2	81.8	7.52	30.5	79.0	7.13	30.7	73.1	6.51	31.0	68.8	5.94	31.2
	35	476	87.4	8.26	32.6	81.8	7.27	32.8	79.0	6.95	32.8	73.1	6.34	33.0	68.8	5.94	33.1
	35	714	87.4	7.58	33.4	81.8	7.38	33.5	79.0	6.68	33.5	73.1	6.34	33.7	68.8	5.94	33.7
	40	238	87.4	7.51	35.2	81.8	6.92	35.5	79.0	6.43	35.6	73.1	6.02	36.0	68.8	5.43	36.2
	40	476	87.4	7.08	37.6	81.8	6.69	37.7	79.0	6.26	37.8	73.1	5.83	38.0	68.8	5.28	38.1
	40	714	87.4	7.08	38.4	81.8	6.69	38.5	79.0	6.26	38.5	73.1	5.83	38.6	68.8	5.43	38.7
	45	238	87.4	7.08	40.2	81.8	6.65	40.5	79.0	6.13	40.6	73.1	5.56	40.9	68.8	5.43	41.2
	45	476	87.4	7.08	42.6	81.8	6.65	42.7	79.0	6.13	42.8	73.1	5.56	43.0	68.8	5.43	43.1
	45	714	87.4	7.08	43.4	81.8	6.65	43.5	79.0	6.13	43.5	73.1	5.56	43.6	68.8	5.43	43.7

12. Capacity Table

1-21. AM520FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	247	146.6	10.70	19.1	161.2	12.73	20.1	173.2	13.94	20.9	185.9	14.80	21.6	190.8	14.97	21.9
	10	494	146.6	9.92	14.5	161.2	11.76	15.0	173.2	13.30	15.4	185.9	13.97	15.8	190.8	13.97	15.9
	10	741	146.6	9.75	13.0	161.2	11.72	13.3	173.2	12.58	13.6	185.9	13.71	13.9	190.8	14.02	14.0
	15	247	144.0	13.80	24.2	158.6	16.34	25.1	170.6	18.15	26.0	182.7	19.03	26.7	187.7	19.45	27.0
	15	494	144.0	12.87	19.6	158.6	15.14	20.0	170.6	16.90	20.4	182.7	17.78	20.8	187.7	18.18	21.0
	15	741	144.0	12.49	18.0	158.6	14.76	18.4	170.6	16.35	18.6	182.7	17.15	18.9	187.7	17.67	19.0
	20	247	142.0	16.45	29.2	156.5	19.24	30.2	168.5	21.49	31.0	180.1	22.53	31.8	185.1	23.01	32.1
	20	494	142.0	16.13	24.6	156.5	18.95	25.1	168.5	21.18	25.5	180.1	22.26	25.9	185.1	22.68	26.0
	20	741	142.0	15.58	23.0	156.5	18.38	23.4	168.5	20.55	23.7	180.1	21.43	23.9	185.1	22.09	24.0
	25	247	142.0	20.64	34.4	156.5	24.31	35.5	168.5	27.07	36.3	180.1	28.46	37.1	185.1	28.92	37.4
	25	494	142.0	19.30	29.7	156.5	22.69	30.2	168.5	25.23	30.6	180.1	26.59	31.0	185.1	27.02	31.2
	25	741	142.0	18.56	28.1	156.5	21.96	28.5	168.5	24.44	28.7	180.1	25.64	29.0	185.1	26.36	29.1
	30	247	142.0	24.22	39.6	156.5	28.47	40.7	168.5	31.78	41.6	180.1	33.34	42.4	185.1	33.90	42.7
	30	494	142.0	23.82	34.8	156.5	28.02	35.4	168.5	31.19	35.8	180.1	32.84	36.2	185.1	33.50	36.3
	30	741	142.0	23.05	33.2	156.5	27.14	33.6	168.5	30.27	33.8	180.1	31.76	34.1	185.1	32.61	34.2
	35	247	134.2	25.21	44.2	148.2	29.69	45.3	159.3	33.11	46.2	171.0	34.68	46.9	174.9	35.29	47.2
	35	494	134.2	24.72	39.6	148.2	29.20	40.1	159.3	32.52	40.6	171.0	34.18	41.0	174.9	34.90	41.1
	35	741	134.2	24.07	38.1	148.2	28.30	38.4	159.3	31.47	38.7	171.0	33.08	38.9	174.9	33.98	39.0
	40	247	112.2	26.25	48.0	123.6	30.89	49.0	133.1	34.45	49.7	142.5	36.14	50.4	146.6	36.87	50.6
	40	494	113.2	25.81	44.0	124.6	30.43	44.5	134.2	33.82	44.9	143.7	35.59	45.2	147.8	36.36	45.3
	40	741	114.8	25.02	42.7	126.4	29.38	43.0	136.2	32.84	43.3	145.8	34.44	43.5	149.9	35.48	43.6
	45	247	93.6	27.10	52.0	102.8	31.92	52.8	110.4	35.60	53.5	118.4	37.28	54.0	121.6	38.06	54.3
	45	494	94.4	26.65	48.5	103.6	31.38	48.9	111.4	34.94	49.2	119.4	36.85	49.5	122.6	37.57	49.6
	45	741	95.8	25.79	47.4	105.1	30.31	47.6	113.0	33.92	47.8	121.1	35.56	48.0	124.4	36.68	48.1
120	10	247	138.8	10.15	18.6	152.8	12.06	19.6	164.3	13.24	20.3	176.0	13.98	21.0	180.4	14.16	21.3
	10	494	138.8	9.48	14.3	152.8	11.27	14.8	164.3	12.58	15.1	176.0	13.20	15.5	180.4	13.22	15.6
	10	741	138.8	9.05	12.9	152.8	11.10	13.2	164.3	11.88	13.4	176.0	12.98	13.7	180.4	13.40	13.7
	15	247	137.3	13.21	23.7	150.7	15.58	24.6	162.2	17.40	25.4	173.9	18.22	26.1	178.4	18.54	26.4
	15	494	137.3	12.33	19.3	150.7	14.50	19.8	162.2	16.21	20.2	173.9	16.98	20.5	178.4	17.32	20.7
	15	741	137.3	11.91	17.9	150.7	14.11	18.2	162.2	15.60	18.4	173.9	16.40	18.7	178.4	16.92	18.8
	20	247	135.7	15.82	28.8	149.1	18.50	29.7	160.7	20.65	30.5	172.3	21.69	31.3	176.8	22.12	31.5
	20	494	135.7	15.47	24.4	149.1	18.17	24.9	160.7	20.36	25.3	172.3	21.38	25.6	176.8	21.75	25.8
	20	741	135.7	15.03	22.9	149.1	17.72	23.2	160.7	19.72	23.5	172.3	20.60	23.7	176.8	21.20	23.8
	25	247	135.7	19.84	34.0	149.1	23.33	35.0	160.7	25.90	35.8	172.3	27.28	36.6	176.8	27.74	36.9
	25	494	135.7	18.44	29.5	149.1	21.77	30.0	160.7	24.22	30.4	172.3	25.41	30.7	176.8	25.90	30.9
	25	741	135.7	17.76	28.0	149.1	20.99	28.3	160.7	23.43	28.6	172.3	24.58	28.8	176.8	25.18	28.9
	30	247	135.7	23.39	39.2	149.1	27.52	40.2	160.7	30.68	41.1	172.3	32.19	41.9	176.8	32.74	42.2
	30	494	135.7	22.99	34.6	149.1	27.02	35.1	160.7	30.15	35.5	172.3	31.69	35.9	176.8	32.29	36.1
	30	741	135.7	22.23	33.1	149.1	26.19	33.4	160.7	29.23	33.7	172.3	30.72	33.9	176.8	31.44	34.0
	35	247	130.4	24.67	44.0	143.8	29.09	45.0	154.9	32.41	45.9	165.5	33.93	46.6	170.0	34.59	46.9
	35	494	130.4	24.21	39.5	143.8	28.57	40.0	154.9	31.84	40.4	165.5	33.45	40.8	170.0	34.10	40.9
	35	741	130.4	23.50	38.0	143.8	27.73	38.3	154.9	30.79	38.6	165.5	32.35	38.8	170.0	33.23	38.9
	40	247	111.2	26.20	48.0	122.6	30.84	48.9	132.1	34.40	49.7	141.0	36.09	50.3	145.0	36.81	50.6
	40	494	112.1	25.75	44.0	123.6	30.37	44.5	133.2	33.77	44.8	142.2	35.48	45.2	146.3	36.25	45.3
	40	741	113.8	24.96	42.7	125.4	29.44	43.0	135.1	32.78	43.2	144.2	34.44	43.5	148.4	35.32	43.6
	45	247	94.6	27.51	52.1	104.7	32.45	53.0	112.9	36.18	53.6	120.3	37.91	54.2	123.5	38.69	54.4
	45	494	95.4	27.09	48.6	105.6	31.88	49.0	113.8	35.54	49.3	121.3	37.34	49.6	124.6	38.12	49.7
	45	741	96.8	26.18	47.4	107.1	30.92	47.7	115.5	34.47	47.9	123.1	36.22	48.1	126.4	37.01	48.2
110	10	247	131.0	9.50	18.2	143.9	11.39	19.0	155.0	12.48	19.7	166.1	13.22	20.4	170.0	13.34	20.6
	10	494	131.0	8.89	14.1	143.9	10.55	14.5	155.0	11.86	14.8	166.1	12.53	15.2	170.0	12.41	15.3
	10	741	131.0	8.61	12.7	143.9	10.36	13.0	155.0	11.34	13.2	166.1	12.26	13.4	170.0	12.55	13.5
	15	247	130.0	12.57	23.3	142.8	14.87	24.2	153.9	16.59	24.9	165.0	17.36	25.6	169.5	17.73	25.9
	15	494	130.0	11.75	19.1	142.8	13.79	19.5	153.9	15.46	19.9	165.0	16.23	20.3	169.5	16.52	20.4
	15	741	130.0	11.37	17.7	142.8	13.41	18.0	153.9	14.96	18.3	165.0	15.66	18.5	169.5	16.06	18.6
	20	247	129.5	15.18	28.4	142.3	17.76	29.3	153.4	19.86	30.1	164.0	20.80	30.7	168.5	21.23	31.0
	20	494	129.5	14.86	24.2	142.3	17.45	24.6	153.4	19.53	25.0	164.0	20.50	25.4	168.5	20.87	25.5
	20	741	129.5	14.42	22.8	142.3	16.99	23.1	153.4	18.95	23.3	164.0	19.84	23.6	168.5	20.26	23.7
	25	247	129.5	18.98	33.6	142.3	22.30	34.6	153.4	24.83	35.3	164.0	26.05	36.0	168.5	26.51	36.3
	25	494	129.5	17.69	29.3	142.3	20.80	29.7	153.4	23.15	30.1	164.0	24.29	30.5	168.5	24.72	30.6
	25	741	129.5	17.02	27.8	142.3	20.08	28.1	153.4	22.42	28.4	164.0	23.51	28.6	168.5	24.00	28.7
	30	247	129.5	22.55	38.8	142.3	26.52	39.8	153.4	29.58	40.6	164.0	31.04	41.3	168.5	31.59	41.6
	30	494	129.5	22.17	34.4	142.3	26.08	34.9	153.4	29.05	35.3	164.0	30.53	35.6	168.5	31.08	35.8
	30	741	129.5	21.46	32.9	142.3	25.30	33.2	153.4	28.18	33.5	164.0	29.57	33.7	168.5	30.22	33.8
	35	247	126.5	24.13	43.7	139.9	28.44	44.8	150.0	31.71	45.5	161.1	33.17	46.3	165.1	33.84	46.5
	35	494	126.5	23.70	39.4	139.9	27.94	39.9	150.0	31.16	40.3	161.1	32.66	40.6	165.1	33.31	40.8
	35	741	126.5	22.99	37.9	139.9	27.10	38.2	150.0	30.11	38.5	161.1	31.67	38.7	165.1	32.37	38.8
	40	247	110.2	26.20	47.9	121.5	30.84	48.8	130.5	34.35	49.6	139.9	36.03	50.2	144.0	36.76	50.5
	40	494	111.1	25.70	44.0	122.6	30.31	44.4	131.6	33.77	44.8	141.1	35.42	45.1	145.2	36.14	45.3
	40	741	112.7	24.91	42.7	124.3	29.38	43.0	133.5	32.73	43.2	143.2	34.39	43.4	147.3	35.15	43.5
	45	247	96.5	28.04	52.2	106.2	32.98	53.1	114.3	36.75	53.8	122.8	38.54	54.4	126.0	39.32	54.6
	45	494	97.4	27.48	48.6	107.1	32.38	49.0	115.3	36.09	49.4	123.8	38.00	49.7	127.0	38.67	49.8
	45	741	98.8	26.56	47.4	108.6	31.42	47.7	117.0	35.01	47.9	125.6	36.82	48.1	128.8	37.51	48.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	247	122.7	9.01	17.6	135.5	10.61	18.5	145.6	11.83	19.1	156.2	12.41	19.8	160.2	12.64	20.0
	10	494	122.7	8.40	13.8	135.5	9.94	14.2	145.6	11.26	14.6	156.2	11.76	14.9	160.2	11.76	15.0
	10	741	122.7	8.12	12.5	135.5	9.74	12.8	145.6	10.64	13.0	156.2	11.54	13.2	160.2	11.70	13.3
	15	247	122.7	12.03	22.8	135.5	14.17	23.7	145.6	15.78	24.4	156.2	16.56	25.0	160.2	16.87	25.3
	15	494	122.7	11.21	18.9	135.5	13.20	19.3	145.6	14.71	19.7	156.2	15.43	20.0	160.2	15.72	20.1
	15	741	122.7	10.84	17.6	135.5	12.76	17.9	145.6	14.22	18.1	156.2	14.92	18.3	160.2	15.20	18.4
	20	247	122.7	14.50	28.0	135.5	17.08	28.9	145.6	19.02	29.6	156.2	19.96	30.2	160.2	20.33	30.5
	20	494	122.7	14.25	24.0	135.5	16.78	24.4	145.6	18.70	24.8	156.2	19.62	25.1	160.2	19.99	25.2
	20	741	122.7	13.82	22.6	135.5	16.27	22.9	145.6	18.12	23.2	156.2	19.01	23.4	160.2	19.37	23.5
	25	247	122.7	18.07	33.2	135.5	21.27	34.1	145.6	23.70	34.8	156.2	24.87	35.5	160.2	25.33	35.8
	25	494	122.7	16.84	29.0	135.5	19.82	29.5	145.6	22.09	29.9	156.2	23.17	30.2	160.2	23.61	30.3
	25	741	122.7	16.28	27.7	135.5	19.16	28.0	145.6	21.35	28.2	156.2	22.40	28.5	160.2	22.82	28.5
	30	247	122.7	21.71	38.4	135.5	25.57	39.3	145.6	28.48	40.1	156.2	29.88	40.8	160.2	30.44	41.1
	30	494	122.7	21.34	34.2	135.5	25.13	34.7	145.6	28.00	35.0	156.2	29.38	35.4	160.2	29.93	35.5
	30	741	122.7	20.69	32.8	135.5	24.36	33.1	145.6	27.14	33.3	156.2	28.47	33.6	160.2	29.00	33.7
	35	247	122.7	23.59	43.5	135.5	27.78	44.5	145.6	30.95	45.2	156.2	32.47	45.9	160.2	33.08	46.2
	35	494	122.7	23.19	39.2	135.5	27.31	39.7	145.6	30.43	40.1	156.2	31.92	40.5	160.2	32.52	40.6
	35	741	122.7	22.48	37.8	135.5	26.47	38.1	145.6	29.49	38.4	156.2	30.94	38.6	160.2	31.52	38.7
	40	247	109.2	26.14	47.9	120.5	30.78	48.8	129.5	34.29	49.5	138.9	35.98	50.1	142.5	36.65	50.4
	40	494	110.1	25.70	43.9	121.5	30.26	44.4	130.6	33.71	44.8	140.1	35.37	45.1	143.7	36.03	45.2
	40	741	111.7	24.91	42.6	123.2	29.33	43.0	132.5	32.67	43.2	142.1	34.28	43.4	145.7	34.92	43.5
	45	247	98.0	28.45	52.3	108.2	33.50	53.2	116.3	37.33	53.9	124.7	39.16	54.5	127.9	39.90	54.7
	45	494	98.8	27.97	48.7	109.1	32.93	49.1	117.3	36.69	49.5	125.8	38.50	49.8	129.0	39.22	49.9
	45	741	100.3	27.11	47.5	110.7	31.92	47.8	119.0	35.56	48.0	127.6	37.31	48.2	130.8	38.01	48.3
90	10	247	110.7	7.97	16.9	122.2	9.39	17.6	131.3	10.46	18.2	140.8	10.98	18.8	144.4	11.18	19.0
	10	494	110.7	7.84	13.4	122.2	9.23	13.8	131.3	10.28	14.1	140.8	10.79	14.4	144.4	10.99	14.5
	10	741	110.7	7.60	12.3	122.2	8.95	12.5	131.3	9.97	12.7	140.8	10.46	12.9	144.4	10.65	13.0
	15	247	110.7	10.64	22.0	122.2	12.53	22.8	131.3	13.96	23.4	140.8	14.65	24.0	144.4	14.92	24.2
	15	494	110.7	10.46	18.5	122.2	12.32	18.9	131.3	13.73	19.2	140.8	14.40	19.5	144.4	14.67	19.6
	15	741	110.7	10.14	17.3	122.2	11.94	17.6	131.3	13.30	17.8	140.8	13.96	18.0	144.4	14.22	18.1
	20	247	110.7	12.83	27.2	122.2	15.11	28.0	131.3	16.83	28.6	140.8	17.66	29.2	144.4	17.99	29.4
	20	494	110.7	12.61	23.6	122.2	14.85	24.0	131.3	16.54	24.3	140.8	17.36	24.6	144.4	17.68	24.7
	20	741	110.7	12.22	22.4	122.2	14.39	22.6	131.3	16.03	22.8	140.8	16.82	23.0	144.4	17.14	23.1
	25	247	110.7	15.98	32.3	122.2	18.82	33.2	131.3	20.97	33.8	140.8	22.00	34.4	144.4	22.41	34.7
	25	494	110.7	15.71	28.7	122.2	18.50	29.1	131.3	20.61	29.4	140.8	21.62	29.7	144.4	22.03	29.8
	25	741	110.7	15.23	27.4	122.2	17.93	27.7	131.3	19.98	27.9	140.8	20.96	28.1	144.4	21.35	28.2
	30	247	110.7	19.21	37.5	122.2	22.62	38.4	131.3	25.20	39.1	140.8	26.44	39.7	144.4	26.93	39.9
	30	494	110.7	18.88	33.8	122.2	22.23	34.2	131.3	24.77	34.5	140.8	25.99	34.8	144.4	26.47	35.0
	30	741	110.7	18.30	32.5	122.2	21.55	32.8	131.3	24.01	33.0	140.8	25.19	33.2	144.4	25.66	33.3
	35	247	110.7	20.87	42.6	122.2	24.58	43.5	131.3	27.38	44.2	140.8	28.73	44.8	144.4	29.26	45.1
	35	494	110.7	20.52	38.8	122.2	24.16	39.2	131.3	26.92	39.6	140.8	28.24	39.9	144.4	28.77	40.0
	35	741	110.7	19.89	37.5	122.2	23.41	37.8	131.3	26.09	38.0	140.8	27.37	38.3	144.4	27.88	38.3
	40	247	98.4	23.13	47.1	108.7	27.23	47.9	116.8	30.34	48.5	125.3	31.83	49.1	128.5	32.42	49.3
	40	494	99.3	22.73	43.5	109.6	26.77	44.0	117.8	29.82	44.3	126.3	31.29	44.6	129.6	31.87	44.7
	40	741	100.7	22.03	42.4	111.1	25.94	42.7	119.5	28.90	42.9	128.1	30.32	43.1	131.4	30.89	43.1
	45	247	88.4	25.17	51.6	97.6	29.64	52.4	104.9	33.02	53.0	112.5	34.64	53.5	115.4	35.29	53.7
	45	494	89.1	24.74	48.3	98.4	29.14	48.7	105.8	32.46	49.0	113.4	34.05	49.3	116.3	34.69	49.4
	45	741	90.4	23.98	47.2	99.8	28.24	47.5	107.3	31.46	47.7	115.1	33.01	47.9	118.0	33.62	47.9
80	10	247	98.4	6.62	16.1	108.7	7.79	16.8	116.8	8.68	17.3	125.3	9.11	17.8	128.5	9.28	18.0
	10	494	98.4	6.51	13.0	108.7	7.66	13.4	116.8	8.54	13.6	125.3	8.95	13.9	128.5	9.12	14.0
	10	741	98.4	6.31	12.0	108.7	7.43	12.2	116.8	8.27	12.4	125.3	8.68	12.6	128.5	8.84	12.7
	15	247	98.4	8.84	21.2	108.7	10.40	21.9	116.8	11.59	22.5	125.3	12.16	23.0	128.5	12.39	23.2
	15	494	98.4	8.68	18.1	108.7	10.23	18.4	116.8	11.39	18.7	125.3	11.95	19.0	128.5	12.18	19.1
	15	741	98.4	8.42	17.1	108.7	9.91	17.3	116.8	11.04	17.5	125.3	11.58	17.6	128.5	11.80	17.7
	20	247	98.4	10.65	26.3	108.7	12.54	27.0	116.8	13.97	27.6	125.3	14.66	28.1	128.5	14.93	28.3
	20	494	98.4	10.47	23.2	108.7	12.32	23.5	116.8	13.73	23.8	125.3	14.41	24.1	128.5	14.68	24.2
	20	741	98.4	10.14	22.1	108.7	11.95	22.3	116.8	13.31	22.5	125.3	13.96	22.7	128.5	14.22	22.8
	25	247	98.4	13.27	31.5	108.7	15.62	32.2	116.8	17.40	32.8	125.3	18.26	33.3	128.5	18.60	33.5
	25	494	98.4	13.04	28.2	108.7	15.36	28.6	116.8	17.11	28.9	125.3	17.95	29.2	128.5	18.29	29.3
	25	741	98.4	12.64	27.1	108.7	14.88	27.4	116.8	16.58	27.6	125.3	17.40	27.8	128.5	17.72	27.8
	30	247	98.4	15.94	36.6	108.7	18.77	37.4	116.8	20.92	38.0	125.3	21.94	38.5	128.5	22.35	38.8
	30	494	98.4	15.67	33.3	108.7	18.45	33.7	116.8	20.56	34.0	125.3	21.57	34.3	128.5	21.97	34.4
	30	741	98.4	15.19	32.2	108.7	17.89	32.4	116.8	19.93	32.6	125.3	20.91	32.8	128.5	21.30	32.9
	35	247	98.4	17.33	41.7	108.7	20.40	42.5	116.8	22.73	43.1	125.3	23.84	43.7	128.5	24.29	43.9
	35	494	98.4	17.03	38.4	108.7	20.05	38.7	116.8	22.34	39.0	125.3	23.44	39.3	128.5	23.88	39.4
	35	741	98.4	16.51	37.2	108.7	19.44	37.5	116.8	21.65	37.7	125.3	22.72	37.9	128.5	23.14	37.9
	40	247	87.6	19.20	46.2	96.7	22.60	46.9	103.9	25.18	47.5	111.4	26.42	48.0	114.3	26.91	48.2
	40	494	88.3	18.87	43.1	97.5	22.22	43.5	104.8	24.75	43.8	112.4	25.97	44.0	115.2	26.46	44.1
	40	741	89.6	18.29	42.1	98.9	21.53	42.3	106.3	23.99	42.5	114.0	25.17	42.7	116.9	25.64	42.8
	45	247	78.6	20.89	50.8	86.8	24.60	51.5	93.3	27.41	52.0	100.1	28.76	52.5	102.6	29.29	52.7
	45	494	79.3	20.54	47.9	87.5	24.18	48.2	94.1	26.94	48.5	100.9	28.27	48.7	103.5	28.80	48.8
	45	741	80.4	19.91	46.9	88.8	23.44	47.2	95.4	26.11	47.4	102.4	27.40	47.5	105.0	27.91	47.6

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	247	86.0	5.52	15.3	94.9	6.51	15.9	102.1	7.25	16.3	109.5	7.60	16.8	112.3	7.75	17.0
	10	494	86.0	5.43	12.7	94.9	6.39	12.9	102.1	7.12	13.2	109.5	7.47	13.4	112.3	7.61	13.5
	10	741	86.0	5.26	11.8	94.9	6.20	12.0	102.1	6.90	12.1	109.5	7.24	12.3	112.3	7.38	12.3
	15	247	86.0	7.37	20.4	94.9	8.68	21.0	102.1	9.67	21.5	109.5	10.15	21.9	112.3	10.34	22.1
	15	494	86.0	7.25	17.7	94.9	8.54	18.0	102.1	9.51	18.2	109.5	9.98	18.5	112.3	10.16	18.6
	15	741	86.0	7.03	16.8	94.9	8.27	17.0	102.1	9.22	17.2	109.5	9.67	17.3	112.3	9.85	17.4
	20	247	86.0	8.89	25.5	94.9	10.46	26.1	102.1	11.66	26.6	109.5	12.23	27.1	112.3	12.46	27.2
	20	494	86.0	8.74	22.7	94.9	10.29	23.1	102.1	11.46	23.3	109.5	12.02	23.5	112.3	12.25	23.6
	20	741	86.0	8.47	21.8	94.9	9.97	22.0	102.1	11.11	22.2	109.5	11.65	22.3	112.3	11.87	22.4
	25	247	86.0	11.07	30.6	94.9	13.04	31.3	102.1	14.53	31.8	109.5	15.24	32.2	112.3	15.53	32.4
	25	494	86.0	10.88	27.8	94.9	12.82	28.1	102.1	14.28	28.4	109.5	14.98	28.6	112.3	15.26	28.7
	25	741	86.0	10.55	26.9	94.9	12.42	27.1	102.1	13.84	27.2	109.5	14.52	27.4	112.3	14.79	27.5
	30	247	86.0	13.31	35.8	94.9	15.67	36.4	102.1	17.46	36.9	109.5	18.31	37.4	112.3	18.66	37.6
	30	494	86.0	13.08	32.9	94.9	15.40	33.2	102.1	17.16	33.5	109.5	18.00	33.7	112.3	18.34	33.8
	30	741	86.0	12.68	31.9	94.9	14.93	32.1	102.1	16.63	32.3	109.5	17.45	32.5	112.3	17.78	32.5
	35	247	86.0	14.46	40.8	94.9	17.03	41.5	102.1	18.97	42.0	109.5	19.90	42.5	112.3	20.27	42.7
	35	494	86.0	14.21	37.9	94.9	16.74	38.2	102.1	18.65	38.5	109.5	19.56	38.7	112.3	19.93	38.8
	35	741	86.0	13.78	36.9	94.9	16.22	37.2	102.1	18.07	37.3	109.5	18.96	37.5	112.3	19.32	37.5
	40	247	76.5	16.02	45.4	84.4	18.86	46.0	90.8	21.02	46.5	97.4	22.05	46.9	99.8	22.46	47.1
	40	494	77.2	15.75	42.7	85.2	18.54	43.0	91.5	20.66	43.3	98.2	21.67	43.5	100.7	22.08	43.6
	40	741	78.3	15.26	41.8	86.4	17.97	42.0	92.9	20.02	42.2	99.6	21.01	42.3	102.1	21.40	42.4
	45	247	68.7	17.44	50.0	75.8	20.53	50.6	81.5	22.88	51.1	87.4	24.00	51.5	89.7	24.45	51.6
	45	494	69.3	17.14	47.5	76.5	20.18	47.8	82.2	22.49	48.0	88.2	23.59	48.2	90.4	24.03	48.3
	45	741	70.3	16.61	46.7	77.6	19.56	46.9	83.4	21.80	47.0	89.4	22.87	47.2	91.7	23.29	47.2
60	10	247	73.4	4.38	14.5	81.0	5.16	15.0	87.1	5.75	15.4	93.4	6.03	15.8	95.8	6.14	15.9
	10	494	73.4	4.31	12.3	81.0	5.07	12.5	87.1	5.65	12.7	93.4	5.93	12.9	95.8	6.04	13.0
	10	741	73.4	4.17	11.5	81.0	4.92	11.7	87.1	5.48	11.8	93.4	5.75	11.9	95.8	5.85	12.0
	15	247	73.4	5.85	19.6	81.0	6.89	20.1	87.1	7.67	20.5	93.4	8.05	20.9	95.8	8.20	21.0
	15	494	73.4	5.75	17.3	81.0	6.77	17.5	87.1	7.54	17.7	93.4	7.91	17.9	95.8	8.06	18.0
	15	741	73.4	5.57	16.5	81.0	6.56	16.7	87.1	7.31	16.8	93.4	7.67	17.0	95.8	7.81	17.0
	20	247	73.4	7.05	24.7	81.0	8.30	25.2	87.1	9.25	25.6	93.4	9.70	26.0	95.8	9.88	26.1
	20	494	73.4	6.93	22.3	81.0	8.16	22.6	87.1	9.09	22.8	93.4	9.54	23.0	95.8	9.71	23.1
	20	741	73.4	6.72	21.5	81.0	7.91	21.7	87.1	8.81	21.9	93.4	9.24	22.0	95.8	9.42	22.0
	25	247	73.4	8.78	29.8	81.0	10.34	30.3	87.1	11.52	30.7	93.4	12.09	31.1	95.8	12.31	31.3
	25	494	73.4	8.63	27.4	81.0	10.17	27.6	87.1	11.33	27.9	93.4	11.88	28.1	95.8	12.10	28.1
	25	741	73.4	8.37	26.6	81.0	9.85	26.8	87.1	10.98	26.9	93.4	11.52	27.0	95.8	11.73	27.1
	30	247	73.4	10.55	34.9	81.0	12.43	35.4	87.1	13.85	35.9	93.4	14.53	36.3	95.8	14.80	36.4
	30	494	73.4	10.37	32.4	81.0	12.22	32.7	87.1	13.61	32.9	93.4	14.28	33.1	95.8	14.55	33.2
	30	741	73.4	10.06	31.6	81.0	11.84	31.8	87.1	13.19	31.9	93.4	13.84	32.1	95.8	14.10	32.1
	35	247	73.4	11.47	39.9	81.0	13.50	40.5	87.1	15.05	40.9	93.4	15.78	41.3	95.8	16.08	41.5
	35	494	73.4	11.27	37.5	81.0	13.27	37.7	87.1	14.79	38.0	93.4	15.52	38.2	95.8	15.81	38.2
	35	741	73.4	10.93	36.6	81.0	12.87	36.8	87.1	14.33	37.0	93.4	15.04	37.1	95.8	15.32	37.1
	40	247	65.3	12.71	44.5	72.1	14.96	45.1	77.5	16.67	45.5	83.1	17.49	45.8	85.2	17.82	46.0
	40	494	65.8	12.49	42.3	72.7	14.71	42.5	78.1	16.39	42.7	83.8	17.19	42.9	85.9	17.51	43.0
	40	741	66.8	12.11	41.5	73.7	14.25	41.7	79.2	15.88	41.8	85.0	16.66	42.0	87.2	16.97	42.0
	45	247	58.6	13.83	49.2	64.7	16.29	49.7	69.6	18.14	50.1	74.6	19.04	50.4	76.5	19.39	50.6
	45	494	59.1	13.60	47.1	65.3	16.01	47.4	70.2	17.84	47.6	75.2	18.71	47.7	77.2	19.06	47.8
	45	741	60.0	13.18	46.4	66.2	15.52	46.6	71.2	17.29	46.7	76.3	18.14	46.8	78.3	18.47	46.9
50	10	247	61.6	3.22	13.8	68.0	3.79	14.2	73.1	4.22	14.5	78.4	4.43	14.8	80.4	4.51	14.9
	10	494	61.6	3.16	11.9	68.0	3.72	12.1	73.1	4.15	12.2	78.4	4.35	12.4	80.4	4.43	12.5
	10	741	61.6	3.06	11.3	68.0	3.61	11.4	73.1	4.02	11.5	78.4	4.22	11.6	80.4	4.30	11.6
	15	247	61.6	4.29	18.8	68.0	5.06	19.2	73.1	5.63	19.6	78.4	5.91	19.9	80.4	6.02	20.0
	15	494	61.6	4.22	16.9	68.0	4.97	17.1	73.1	5.54	17.3	78.4	5.81	17.4	80.4	5.92	17.5
	15	741	61.6	4.09	16.3	68.0	4.82	16.4	73.1	5.37	16.5	78.4	5.63	16.6	80.4	5.73	16.7
	20	247	61.6	5.17	23.9	68.0	6.09	24.3	73.1	6.79	24.6	78.4	7.12	25.0	80.4	7.25	25.1
	20	494	61.6	5.09	21.9	68.0	5.99	22.1	73.1	6.67	22.3	78.4	7.00	22.5	80.4	7.13	22.5
	20	741	61.6	4.93	21.3	68.0	5.80	21.4	73.1	6.47	21.5	78.4	6.78	21.6	80.4	6.91	21.7
	25	247	61.6	6.45	28.9	68.0	7.59	29.4	73.1	8.46	29.7	78.4	8.87	30.1	80.4	9.04	30.2
	25	494	61.6	6.34	27.0	68.0	7.46	27.2	73.1	8.31	27.4	78.4	8.72	27.5	80.4	8.89	27.6
	25	741	61.6	6.14	26.3	68.0	7.23	26.5	73.1	8.06	26.6	78.4	8.45	26.7	80.4	8.61	26.7
	30	247	61.6	7.75	34.0	68.0	9.12	34.5	73.1	10.16	34.8	78.4	10.66	35.2	80.4	10.86	35.3
	30	494	61.6	7.62	32.0	68.0	8.97	32.2	73.1	9.99	32.4	78.4	10.48	32.6	80.4	10.68	32.6
	30	741	61.6	7.38	31.3	68.0	8.69	31.5	73.1	9.68	31.6	78.4	10.16	31.7	80.4	10.35	31.8
	35	247	61.6	8.42	39.1	68.0	9.91	39.5	73.1	11.04	39.9	78.4	11.59	40.2	80.4	11.80	40.4
	35	494	61.6	8.28	37.0	68.0	9.74	37.3	73.1	10.86	37.4	78.4	11.39	37.6	80.4	11.60	37.7
	35	741	61.6	8.02	36.3	68.0	9.44	36.5	73.1	10.52	36.6	78.4	11.04	36.7	80.4	11.25	36.8
	40	247	54.8	9.33	43.7	60.5	10.98	44.1	65.0	12.24	44.5	69.7	12.84	44.8	71.5	13.08	44.9
	40	494	55.3	9.17	41.9	61.0	10.80	42.1	65.6	12.03	42.3	70.3	12.62	42.4	72.1	12.86	42.5
	40	741	56.1	8.89	41.3	61.9	10.46	41.4	66.5	11.66	41.5	71.3	12.23	41.6	73.2	12.46	41.7
	45	247	49.2	10.15	48.4	54.3	11.95	48.8	58.4	13.32	49.2	62.6	13.97	49.4	64.2	14.24	49.6
	45	494	49.6	9.98	46.7	54.8	11.75	46.9	58.9	13.09	47.1	63.2	13.74	47.2	64.8	13.99	47.3
	45	741	50.3	9.67	46.2	55.6	11.39	46.3	59.7	12.69	46.4	64.1	13.31	46.5	65.7	13.56	46.5

12. Capacity Table

2) Heating

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	5	247	197.2	44.00	-3.9	194.2	42.01	-3.8	188.0	40.93	-3.5	176.6	37.93	-3.0	170.3	35.06	-2.8
	5	494	203.0	43.66	0.4	198.4	42.32	0.5	191.7	41.58	0.6	179.5	38.44	0.9	172.7	35.53	1.0
	5	741	204.6	45.21	1.9	199.8	43.73	2.0	192.8	42.35	2.1	181.0	39.26	2.3	174.6	36.88	2.3
	10	247	198.4	39.37	0.8	194.8	37.59	0.9	188.0	36.91	1.2	176.6	34.19	1.7	170.3	31.79	2.0
	10	494	203.0	39.05	5.2	198.4	37.69	5.3	191.7	37.17	5.5	179.5	34.10	5.8	172.7	31.76	5.9
	10	741	204.6	39.85	6.8	200.4	38.52	6.9	193.9	37.38	7.0	181.0	34.34	7.2	174.6	32.40	7.2
	15	247	199.4	35.21	5.5	195.8	33.38	5.6	193.1	33.57	5.7	179.3	30.45	6.4	171.8	28.64	6.7
	15	494	205.6	33.78	10.0	201.5	32.81	10.1	199.3	33.31	10.2	185.3	29.59	10.5	176.7	27.64	10.7
	15	741	207.1	35.00	11.7	204.5	33.96	11.7	202.9	33.31	11.7	188.2	29.50	11.9	180.6	28.83	12.1
	20	247	206.6	32.37	9.9	203.0	30.58	10.0	200.3	30.37	10.1	186.3	27.19	10.8	177.6	26.99	11.3
	20	494	213.3	31.13	14.7	209.6	30.65	14.8	205.9	32.20	15.0	192.2	28.05	15.2	184.0	27.10	15.4
	20	741	214.8	31.47	16.5	211.7	30.48	16.5	210.2	30.58	16.5	194.7	27.48	16.8	185.9	27.10	16.9
	25	247	216.3	30.95	14.2	211.2	29.71	14.5	209.2	29.59	14.6	195.7	26.92	15.2	187.9	25.73	15.6
	25	494	216.4	30.48	19.6	211.2	29.50	19.7	209.2	29.06	19.8	195.7	26.49	20.1	187.9	25.88	20.3
	25	741	216.4	29.85	21.4	211.2	28.36	21.5	209.2	28.43	21.5	195.7	26.68	21.7	187.9	24.25	21.8
	30	247	216.4	30.06	19.2	211.2	28.32	19.4	209.2	28.38	19.5	195.7	25.31	20.1	187.9	25.55	20.6
	30	494	216.4	29.06	24.6	211.2	28.11	24.7	209.2	27.69	24.7	195.7	25.54	25.1	187.9	23.86	25.2
	30	741	216.4	28.43	26.4	211.2	26.96	26.4	209.2	27.01	26.5	195.7	23.84	26.7	187.9	24.87	26.8
	35	247	216.4	28.64	24.1	211.2	27.38	24.3	209.2	27.28	24.4	195.7	24.39	25.1	187.9	22.83	25.4
	35	494	216.4	27.69	29.5	211.2	26.76	29.6	209.2	26.75	29.7	195.7	24.11	30.0	187.9	22.30	30.2
	35	741	216.4	27.69	31.4	211.2	26.29	31.4	209.2	26.01	31.5	195.7	23.42	31.7	187.9	21.73	31.8
	40	247	216.4	27.69	29.1	211.2	26.45	29.3	209.2	26.28	29.4	195.7	23.47	30.0	187.9	22.50	30.4
	40	494	216.4	26.74	34.5	211.2	25.78	34.6	209.2	25.38	34.7	195.7	22.62	35.0	187.9	21.66	35.2
	40	741	216.4	26.01	36.3	211.2	25.15	36.4	209.2	25.38	36.4	195.7	22.62	36.7	187.9	21.66	36.8
	45	247	216.4	26.75	34.0	211.2	25.57	34.2	209.2	25.39	34.3	195.7	22.39	34.9	187.9	22.27	35.4
	45	494	216.4	25.85	39.5	211.2	24.90	39.6	209.2	23.96	39.6	195.7	20.94	39.9	187.9	20.98	40.2
	45	741	216.4	24.37	41.3	211.2	23.96	41.4	209.2	24.70	41.4	195.7	21.57	41.6	187.9	21.68	41.8
120	5	247	187.9	43.64	-3.4	184.8	41.83	-3.3	178.7	40.64	-3.0	168.3	37.38	-2.6	161.1	34.53	-2.3
	5	494	192.6	44.26	0.7	188.5	42.67	0.8	180.9	41.58	1.0	170.3	38.16	1.2	163.0	34.95	1.3
	5	741	194.1	44.67	2.1	186.9	43.14	2.2	182.0	42.35	2.3	171.2	38.92	2.4	164.0	35.69	2.5
	10	247	189.0	39.05	1.3	185.4	37.43	1.4	178.8	36.65	1.8	168.3	33.69	2.2	161.1	31.31	2.5
	10	494	192.6	39.58	5.6	188.5	38.00	5.6	180.9	37.17	5.8	170.3	33.85	6.0	163.0	31.23	6.2
	10	741	194.1	39.37	7.0	187.5	38.00	7.1	183.1	37.38	7.2	171.2	34.04	7.3	164.0	31.35	7.4
	15	247	190.0	34.57	6.0	185.9	33.07	6.1	183.5	33.05	6.3	170.9	30.01	6.8	162.5	28.16	7.2
	15	494	194.1	34.89	10.4	190.5	33.38	10.4	187.7	33.31	10.5	174.8	29.59	10.8	165.9	27.26	11.0
	15	741	195.7	34.10	11.9	190.5	32.91	12.0	189.8	33.31	12.0	176.8	29.50	12.2	167.9	27.25	12.3
	20	247	195.2	31.05	10.5	191.6	29.39	10.6	188.2	29.04	10.8	175.3	26.31	11.4	166.4	26.20	11.9
	20	494	200.3	30.71	15.1	196.2	30.02	15.2	191.9	31.36	15.3	179.3	27.12	15.6	170.8	25.56	15.8
	20	741	201.3	30.63	16.7	195.7	29.49	16.8	195.0	29.57	16.8	181.3	26.57	17.0	172.3	25.70	17.2
	25	247	203.4	29.26	14.9	197.2	27.52	15.2	193.9	27.42	15.3	181.3	24.76	15.9	173.7	23.60	16.3
	25	494	203.9	28.84	19.9	197.2	27.37	20.1	193.9	27.26	20.2	181.3	24.29	20.4	173.7	23.74	20.6
	25	741	204.9	27.20	21.6	197.2	26.28	21.7	193.9	26.52	21.8	181.3	25.12	22.0	173.7	22.20	22.1
	30	247	204.4	27.84	19.8	197.2	26.18	20.1	193.9	25.84	20.2	181.3	22.70	20.8	173.7	22.88	21.2
	30	494	204.4	26.94	24.9	197.2	25.56	25.0	193.9	25.37	25.1	181.3	22.87	25.4	173.7	21.32	25.6
	30	741	204.4	25.63	26.5	197.2	24.67	26.7	193.9	24.63	26.7	181.3	21.94	26.9	173.7	22.22	27.1
	35	247	204.4	26.47	24.7	197.2	24.78	25.0	193.9	24.42	25.2	181.3	21.79	25.7	173.7	20.26	26.1
	35	494	204.4	24.94	29.8	197.2	23.85	30.0	193.9	23.47	30.1	181.3	21.01	30.3	173.7	19.40	30.5
	35	741	204.4	24.52	31.5	197.2	23.59	31.6	193.9	23.47	31.7	181.3	21.01	31.9	173.7	19.40	32.0
	40	247	204.4	25.53	29.6	197.2	23.59	29.9	193.9	23.00	30.1	181.3	20.39	30.7	173.7	19.48	31.0
	40	494	204.4	23.57	34.8	197.2	22.50	34.9	193.9	22.05	35.0	181.3	19.59	35.3	173.7	18.63	35.5
	40	741	204.4	23.10	36.5	197.2	22.03	36.6	193.9	22.05	36.7	181.3	19.59	36.9	173.7	18.63	37.0
	45	247	204.4	24.63	34.6	197.2	22.39	34.9	193.9	21.63	35.0	181.3	18.90	35.6	173.7	18.71	36.0
	45	494	204.4	22.15	39.7	197.2	21.09	39.9	193.9	20.63	40.0	181.3	17.96	40.3	173.7	17.86	40.5
	45	741	204.4	21.73	41.5	197.2	20.52	41.6	193.9	20.63	41.6	181.3	17.96	41.8	173.7	17.86	42.0
110	5	247	179.7	44.12	-2.9	175.8	42.01	-2.8	169.3	40.75	-2.5	160.0	37.38	-2.1	151.8	34.53	-1.8
	5	494	183.4	44.43	1.0	177.9	42.67	1.1	170.9	41.58	1.2	161.0	38.16	1.4	152.7	34.95	1.6
	5	741	184.9	45.09	2.3	178.9	43.14	2.4	171.5	42.00	2.5	161.0	38.52	2.6	153.2	35.69	2.7
	10	247	180.8	39.48	1.8	176.3	37.59	1.9	169.3	36.76	2.3	160.0	33.69	2.7	151.8	31.31	3.0
	10	494	183.4	39.74	5.8	177.9	38.00	5.9	170.9	37.17	6.1	161.0	33.85	6.3	152.7	31.23	6.5
	10	741	184.9	39.74	7.2	179.4	38.00	7.3	172.5	37.07	7.4	161.0	33.69	7.5	153.2	31.35	7.6
	15	247	181.3	34.79	6.5	176.9	33.38	6.7	173.8	33.31	6.8	162.4	30.01	7.3	153.1	28.16	7.7
	15	494	184.4	34.57	10.7	179.4	33.38	10.8	175.9	33.31	10.9	163.9	29.59	11.1	155.1	27.26	11.3
	15	741	185.9	34.26	12.1	180.5	32.91	12.1	177.5	32.63	12.2	164.9	28.87	12.4	155.6	27.25	12.5
	20	247	184.9	30.15	11.0	179.9	28.92	11.2	176.4	28.62	11.4	163.9	25.88	12.0	155.1	25.37	12.5
	20	494	189.0	30.03	15.4	182.0	29.07	15.6	177.8	30.29	15.7	166.4	26.28	15.9	157.0	24.36	16.2
	20	741	190.6	30.36	16.9	184.6	28.92	17.0	180.1	28.62	17.1	167.4	25.07	17.2	158.5	24.35	17.4
	25	247	190.0	27.31	15.6	184.0	25.86	15.8	179.5	25.83	16.1	167.4	23.00	16.6	159.0	21.51	17.0
	25	494	191.6	27.15	20.2	184.0	25.44	20.4	179.5	25.36	20.5	167.4	22.58	20.8	159.0	21.55	21.0
	25	741	193.1	27.15	21.8	184.0	25.60	21.9	179.5	24.62	22.0	167.4	23.35	22.2	159.0	20.14	22.3
	30	247	192.6	24.83	20.3	184.0	23.58	20.7	179.5	22.99	20.9	167.4	20.58	21.5	159.0	19.81	21.9
	30	494	192.6	24.41	25.1	184.0	23.11	25.3	179.5	22.51	25.4	167.4	20.64	25.7	159.0	18.73	25.9
	30	741	192.6	24.15	26.7	184.0	22.43	26.9	179.5	21.77	26.9	167.4	19.24	27.1	159.0	19.52	27.3
	35	247	192.6	23.46	25.2	184.0	21.71	25.6	179.5	21.15	25.8	167.4	18.75	26.4	159.0	17.31	26.8
	35	494	192.6	22.51	30.1	184.0	21.29	30.3	179.5	20.62	30.4	167.4	18.39	30.7	159.0	16.84	30.9
	35	741	192.6	21.67	31.7	184.0	20.56	31.8	179.5	19.98	31.9	167.4	18.39	32.1	159.0	16.84	32.3
	40	247	192.6	22.04	30.1	184.0	20.83	30.5	179.5	19.72	30.7	167.4	17.36	31.3	159.0	16.41	31.7
	40	494	192.6	21.14	35.0	184.0	19.89	35.2	179.5	18.77	35.3	167.4	16.95	35.6	159.0	16.05	35.9
	40	741	192.6	20.67	36.7	184.0	19.16	36.8	179.5	18.77	36.9	167.4	16.26	37.1	159.0	15.37	37.2
	45	247	192.6	20.61	35.0	184.0	19.89	35.5	179.5	18.30	35.6	167.4	15.95	36.2	159.0	15.55	36.7
	45	494	192.6	19.72	40.0	184.0	18.49	40.2	179.5	16.88	40.3	167.4	15.36	40.6	159.0	15.20	40.8
	45	741	192.6	19.72	41.7	184.0	17.76	41.8	179.5	17.62	41.9	167.4	14.11	42.0	159.0	13.79	42.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	247	171.6	44.25	-2.4	165.4	42.54	-2.1	159.5	40.88	-1.9	150.6	37.49	-1.6	142.2	34.11	-1.3
	5	494	174.1	45.04	1.3	167.0	43.27	1.4	160.1	41.71	1.6	150.6	38.27	1.7	142.2	34.78	1.9
	5	741	175.7	45.46	2.5	167.5	43.74	2.6	159.7	42.13	2.7	150.6	38.64	2.8	142.2	35.10	2.9
	10	247	172.6	39.60	2.3	166.0	38.06	2.6	159.6	36.87	2.9	150.6	33.79	3.2	142.2	30.93	3.5
	10	494	174.1	40.28	6.1	167.0	38.53	6.3	160.1	37.28	6.4	150.6	33.95	6.6	142.2	31.09	6.8
	10	741	175.7	40.07	7.4	168.0	38.53	7.5	160.7	37.18	7.6	150.6	33.79	7.7	142.2	30.83	7.8
	15	247	173.1	34.89	7.0	167.0	33.64	7.3	163.8	33.41	7.4	152.9	30.10	7.9	143.4	27.81	8.3
	15	494	174.1	35.58	11.0	167.0	33.74	11.1	163.8	33.41	11.2	152.9	29.68	11.4	143.4	27.34	11.6
	15	741	176.2	34.68	12.3	168.5	33.33	12.4	163.8	32.72	12.5	152.9	28.95	12.6	143.4	26.66	12.7
	20	247	174.7	29.82	11.6	167.5	28.54	11.9	163.8	28.23	12.1	152.9	25.52	12.6	143.4	24.11	13.1
	20	494	177.2	30.06	15.7	168.0	28.79	16.0	163.8	28.23	16.1	152.9	25.52	16.3	143.4	23.17	16.5
	20	741	178.8	29.55	17.1	170.6	28.28	17.2	163.8	27.49	17.4	152.9	24.32	17.5	143.4	22.50	17.7
	25	247	176.7	26.01	16.3	170.1	24.63	16.6	163.8	24.00	16.9	152.9	21.35	17.4	143.4	19.47	17.8
	25	494	179.3	26.06	20.6	170.1	24.11	20.8	163.8	23.53	20.9	152.9	20.88	21.2	143.4	19.47	21.4
	25	741	180.8	25.22	22.0	170.1	23.85	22.2	163.8	22.84	22.3	152.9	20.88	22.4	143.4	18.75	22.6
	30	247	180.3	23.53	20.9	170.1	21.35	21.4	163.8	20.25	21.7	152.9	18.07	22.2	143.4	17.18	22.7
	30	494	180.3	23.05	25.4	170.1	20.88	25.7	163.8	20.04	25.8	152.9	18.07	26.1	143.4	16.66	26.3
	30	741	180.3	22.36	26.9	170.1	20.88	27.1	163.8	19.61	27.2	152.9	17.34	27.4	143.4	16.66	27.5
	35	247	180.3	21.67	25.8	170.1	19.47	26.3	163.8	17.87	26.5	152.9	16.19	27.1	143.4	14.79	27.5
	35	494	180.3	20.67	30.4	170.1	18.54	30.6	163.8	17.66	30.8	152.9	15.78	31.0	143.4	14.37	31.3
	35	741	180.3	20.67	31.9	170.1	18.54	32.1	163.8	17.29	32.2	152.9	15.78	32.3	143.4	14.37	32.5
	40	247	180.3	20.25	30.7	170.1	18.07	31.2	163.8	16.02	31.4	152.9	14.37	32.0	143.4	13.43	32.5
	40	494	180.3	19.30	35.3	170.1	17.18	35.6	163.8	15.81	35.7	152.9	13.90	36.0	143.4	13.02	36.2
	40	741	180.3	18.61	36.9	170.1	17.18	37.0	163.8	15.38	37.1	152.9	13.90	37.3	143.4	13.02	37.5
	45	247	180.3	18.82	35.6	170.1	16.66	36.1	163.8	14.12	36.3	152.9	12.50	36.9	143.4	12.03	37.4
	45	494	180.3	17.87	40.3	170.1	15.78	40.5	163.8	13.90	40.7	152.9	12.03	40.9	143.4	11.61	41.2
	45	741	180.3	16.49	41.8	170.1	15.78	42.0	163.8	13.48	42.1	152.9	12.03	42.3	143.4	11.61	42.5
90	5	247	154.3	41.73	-1.5	149.2	39.41	-1.4	144.6	37.21	-1.2	132.8	34.17	-0.7	121.9	30.65	-0.3
	5	494	155.3	42.49	1.7	148.7	40.16	1.9	144.6	37.92	1.9	132.8	34.89	2.2	121.9	31.25	2.4
	5	741	156.3	42.86	2.8	149.7	40.54	2.9	144.6	38.36	2.9	132.8	35.22	3.1	121.9	31.64	3.3
	10	247	155.3	36.70	3.1	149.7	34.92	3.3	144.6	33.57	3.6	132.8	30.81	4.1	121.9	27.84	4.5
	10	494	154.8	36.81	6.6	149.2	35.08	6.7	144.6	33.68	6.8	132.8	30.70	7.0	121.9	27.89	7.3
	10	741	156.3	36.70	7.7	149.7	34.92	7.8	144.6	33.57	7.9	132.8	30.87	8.0	121.9	28.06	8.2
	15	247	155.8	31.68	7.8	150.2	30.49	8.1	144.6	29.93	8.3	135.4	27.45	8.7	128.7	25.02	9.0
	15	494	154.8	31.13	11.4	149.2	30.00	11.5	144.6	29.43	11.7	135.4	26.51	11.8	128.7	24.53	12.0
	15	741	156.3	30.49	12.6	149.7	29.35	12.7	144.6	28.66	12.8	135.4	26.51	12.9	128.7	24.53	13.0
	20	247	156.8	26.81	12.5	150.7	26.00	12.8	144.6	25.52	13.1	135.4	23.54	13.5	128.7	22.10	13.8
	20	494	156.3	26.81	16.2	149.7	25.68	16.4	147.4	25.52	16.5	135.4	22.60	16.7	128.7	21.11	16.9
	20	741	156.8	26.16	17.5	150.2	25.41	17.6	147.4	25.52	17.6	135.4	22.60	17.8	128.7	21.11	17.9
	25	247	159.9	23.41	17.1	152.7	22.16	17.4	147.4	21.98	17.7	135.4	19.62	18.3	128.7	18.19	18.6
	25	494	161.4	23.19	21.0	152.7	21.95	21.2	147.4	21.53	21.3	135.4	19.13	21.6	128.7	17.64	21.8
	25	741	162.4	22.27	22.3	152.7	21.19	22.5	147.4	21.53	22.6	135.4	19.13	22.8	128.7	17.64	22.9
	30	247	161.9	21.13	21.8	152.7	19.73	22.3	147.4	19.00	22.5	135.4	17.14	23.1	128.7	15.65	23.4
	30	494	161.9	20.70	25.9	152.7	19.24	26.1	147.4	18.55	26.3	135.4	16.70	26.6	128.7	15.65	26.7
	30	741	161.9	19.95	27.3	152.7	18.49	27.4	147.4	18.55	27.5	135.4	16.70	27.7	128.7	14.99	27.8
	35	247	161.9	19.24	26.7	152.7	17.84	27.2	147.4	17.03	27.4	135.4	15.21	28.0	128.7	14.22	28.4
	35	494	161.9	19.62	30.9	152.7	17.30	31.1	147.4	16.52	31.2	135.4	14.72	31.5	128.7	14.22	31.7
	35	741	161.9	18.00	32.2	152.7	17.64	32.4	147.4	15.74	32.5	135.4	14.72	32.7	128.7	14.22	32.8
	40	247	161.9	17.84	31.6	152.7	16.38	32.1	147.4	15.01	32.3	135.4	13.78	32.9	128.7	12.73	33.3
	40	494	161.9	16.81	35.8	152.7	15.89	36.0	147.4	14.50	36.1	135.4	13.23	36.5	128.7	12.29	36.6
	40	741	161.9	16.81	37.2	152.7	15.89	37.4	147.4	14.50	37.4	135.4	13.23	37.6	128.7	12.73	37.8
	45	247	161.9	16.38	36.6	152.7	14.92	37.0	147.4	12.98	37.2	135.4	12.29	37.9	128.7	11.24	38.2
	45	494	161.9	14.92	40.7	152.7	14.43	41.0	147.4	12.53	41.1	135.4	11.80	41.4	128.7	10.80	41.6
	45	741	161.9	17.14	42.2	152.7	15.19	42.3	147.4	13.21	42.4	135.4	11.80	42.6	128.7	10.80	42.7
80	5	247	146.2	34.18	-1.5	136.9	32.28	-1.1	132.9	30.48	-0.9	122.0	27.99	-0.5	112.1	25.10	0.0
	5	494	146.2	34.80	1.8	136.9	32.90	2.0	132.9	31.06	2.0	122.0	28.58	2.3	112.1	25.60	2.5
	5	741	146.2	35.11	2.9	136.9	33.21	3.0	132.9	31.42	3.0	122.0	28.85	3.2	112.1	25.92	3.3
	10	247	146.2	30.06	3.3	136.9	28.60	3.7	132.9	27.50	3.9	122.0	25.24	4.4	112.1	22.80	4.8
	10	494	146.2	30.15	6.6	136.9	28.73	6.9	132.9	27.59	6.9	122.0	25.15	7.2	112.1	22.84	7.4
	10	741	146.2	30.06	7.8	136.9	28.60	7.9	132.9	27.50	8.0	122.0	25.28	8.1	112.1	22.98	8.3
	15	247	146.2	25.95	8.0	136.9	24.97	8.5	132.9	24.52	8.7	122.7	22.48	9.2	115.6	20.50	9.5
	15	494	146.2	25.50	11.5	136.9	24.57	11.7	132.9	24.11	11.8	122.7	21.72	12.1	115.6	20.09	12.2
	15	741	146.2	24.97	12.7	136.9	24.04	12.8	132.9	23.48	12.9	122.7	21.72	13.0	115.6	20.09	13.2
	20	247	146.2	21.96	12.8	136.9	21.30	13.3	132.9	20.90	13.5	122.7	19.28	14.0	115.6	18.10	14.3
	20	494	146.2	21.96	16.4	136.9	21.03	16.6	132.9	21.31	16.8	122.7	18.51	17.0	115.6	17.29	17.1
	20	741	146.2	21.43	17.6	136.9	20.81	17.8	132.9	21.31	17.8	122.7	18.51	18.0	115.6	17.29	18.1
	25	247	147.0	19.17	17.6	137.6	18.15	18.1	132.9	18.00	18.3	122.7	16.07	18.8	115.6	14.90	19.2
	25	494	147.0	18.99	21.3	137.6	17.98	21.5	132.9	17.63	21.7	122.7	15.67	21.9	115.6	14.45	22.1
	25	741	147.0	18.24	22.5	137.6	17.36	22.7	132.9	17.63	22.8	122.7	15.67	22.9	115.6	14.45	23.0
	30	247	147.0	17.31	22.5	137.6	16.16	23.0	132.9	15.56	23.2	122.7	14.04	23.7	115.6	12.82	24.0
	30	494	147.0	16.96	26.2	137.6	15.76	26.5	132.9	15.19	26.6	122.7	13.68	26.8	115.6	12.82	27.0
	30	741	147.0	16.34	27.5	137.6	15.14	27.6	132.9	15.19	27.7	122.7	13.68	27.9	115.6	12.28	28.0
	35	247	147.0	15.76	27.4	137.6	14.61	27.9	132.9	13.95	28.1	122.7	12.46	28.6	115.6	11.65	29.0
	35	494	147.0	16.07	31.2	137.6	14.17	31.4	132.9	13.54	31.5	122.7	12.05	31.8	115.6	11.65	32.0
	35	741	147.0	14.74	32.4	137.6	14.45	32.6	132.9	12.89	32.7	122.7	12.05	32.9	115.6	11.65	33.0
	40	247	147.0	14.61	32.3	137.6	13.42	32.8	132.9	12.29	33.0	122.7	11.29	33.5	115.6	10.43	33.9
	40	494	147.0	13.77	36.1	137.6	13.02	36.4	132.9	11.88	36.5	122.7	10.84	36.8	115.6	10.07	36.9
	40	741	147.0	13.77	37.4	137.6	13.02	37.6	132.9	11.88	37.7	122.7	10.84	37.8	115.6	10.43	38.0
	45	247	147.0	13.77	37.3	137.6	13.02	37.8	132.9	11.88	38.0	122.7	10.84	38.5	115.6	10.43	38.9
	45	494	147.0	13.77	41.1	137.6	13.02	41.4	132.9	11.88	41.5	122.7	10.84	41.8	115.6	10.43	41.9
	45	741	147.0	13.77	42.4	137.6	13.02	42.6	132.9	11.88	42.7	122.7	10.84	42.8	115.6	10.43	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (℃)	Water Flow Rate (LPM)	Indoor Temperature(℃, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	247	127.0	28.71	-0.7	118.9	27.11	-0.3	115.4	25.60	-0.2	106.0	23.51	0.2	97.3	21.09	0.6
	5	494	127.0	29.23	2.2	118.9	27.63	2.4	115.4	26.09	2.4	106.0	24.01	2.6	97.3	21.50	2.8
	5	741	127.0	29.49	3.1	118.9	27.89	3.2	115.4	26.40	3.3	106.0	24.23	3.4	97.3	21.77	3.5
	10	247	127.0	25.25	4.1	118.9	24.03	4.5	115.4	23.10	4.6	106.0	21.20	5.1	97.3	19.15	5.5
	10	494	127.0	25.33	7.1	118.9	24.14	7.3	115.4	23.17	7.3	106.0	21.12	7.5	97.3	19.19	7.7
	10	741	127.0	25.25	8.0	118.9	24.03	8.2	115.4	23.10	8.2	106.0	21.24	8.4	97.3	19.30	8.5
	15	247	127.0	21.79	8.9	118.9	20.98	9.3	115.4	20.59	9.5	106.6	18.89	9.9	100.4	17.22	10.2
	15	494	127.0	21.42	11.9	118.9	20.64	12.1	115.4	20.25	12.2	106.6	18.24	12.4	100.4	16.88	12.6
	15	741	127.0	20.98	12.9	118.9	20.20	13.1	115.4	19.72	13.1	106.6	18.24	13.3	100.4	16.88	13.4
	20	247	127.0	18.45	13.7	118.9	17.89	14.1	115.4	17.56	14.3	106.6	16.19	14.8	100.4	15.21	15.1
	20	494	127.0	18.45	16.9	118.9	17.67	17.1	115.4	17.90	17.2	106.6	15.55	17.4	100.4	14.53	17.5
	20	741	127.0	18.00	17.9	118.9	17.48	18.0	115.4	17.90	18.1	106.6	15.55	18.2	100.4	14.53	18.3
	25	247	127.7	16.10	18.5	119.5	15.25	19.0	115.4	15.12	19.2	106.6	13.50	19.6	100.4	12.52	19.9
	25	494	127.7	15.96	21.8	119.5	15.10	22.0	115.4	14.81	22.1	106.6	13.16	22.3	100.4	12.14	22.4
	25	741	127.7	15.32	22.8	119.5	14.58	23.0	115.4	14.81	23.1	106.6	13.16	23.2	100.4	12.14	23.3
	30	247	127.7	14.54	23.4	119.5	13.58	23.9	115.4	13.07	24.1	106.6	11.80	24.5	100.4	10.77	24.8
	30	494	127.7	14.24	26.7	119.5	13.24	26.9	115.4	12.76	27.0	106.6	11.49	27.2	100.4	10.77	27.4
	30	741	127.7	13.72	27.8	119.5	12.72	27.9	115.4	12.76	28.0	106.6	11.49	28.2	100.4	10.32	28.3
	35	247	127.7	13.24	28.4	119.5	12.27	28.8	115.4	11.72	29.0	106.6	10.47	29.4	100.4	9.79	29.7
	35	494	127.7	13.50	31.7	119.5	11.90	31.9	115.4	11.37	32.0	106.6	10.13	32.2	100.4	9.79	32.4
	35	741	127.7	12.39	32.8	119.5	12.14	32.9	115.4	10.83	33.0	106.6	10.13	33.1	100.4	9.79	33.2
	40	247	127.7	12.27	33.3	119.5	11.27	33.7	115.4	10.33	33.9	106.6	9.48	34.4	100.4	8.76	34.7
	40	494	127.7	11.57	36.6	119.5	10.93	36.9	115.4	9.98	36.9	106.6	9.10	37.2	100.4	8.46	37.3
	40	741	127.7	11.57	37.8	119.5	10.93	37.9	115.4	9.98	38.0	106.6	9.10	38.1	100.4	8.76	38.2
	45	247	127.7	11.57	38.3	119.5	10.93	38.7	115.4	9.98	38.9	106.6	9.10	39.3	100.4	8.76	39.7
	45	494	127.7	11.57	41.6	119.5	10.93	41.9	115.4	9.98	41.9	106.6	9.10	42.2	100.4	8.76	42.3
	45	741	127.7	11.57	42.8	119.5	10.93	42.9	115.4	9.98	43.0	106.6	9.10	43.1	100.4	8.76	43.2
60	5	247	108.7	23.02	0.0	101.8	21.74	0.4	98.8	20.53	0.5	90.7	18.85	0.8	83.3	16.91	1.1
	5	494	108.7	23.44	2.5	101.8	22.16	2.7	98.8	20.92	2.7	90.7	19.25	2.9	83.3	17.24	3.1
	5	741	108.7	23.65	3.4	101.8	22.37	3.5	98.8	21.17	3.5	90.7	19.43	3.6	83.3	17.46	3.7
	10	247	108.7	20.25	4.9	101.8	19.26	5.2	98.8	18.52	5.3	90.7	17.00	5.7	83.3	15.36	6.1
	10	494	108.7	20.31	7.4	101.8	19.35	7.6	98.8	18.58	7.7	90.7	16.94	7.9	83.3	15.39	8.0
	10	741	108.7	20.25	8.3	101.8	19.26	8.4	98.8	18.52	8.4	90.7	17.03	8.6	83.3	15.48	8.7
	15	247	108.7	17.48	9.7	101.8	16.82	10.1	98.8	16.51	10.2	91.2	15.14	10.6	86.0	13.81	10.8
	15	494	108.7	17.18	12.3	101.8	16.55	12.5	98.8	16.24	12.6	91.2	14.63	12.8	86.0	13.53	12.9
	15	741	108.7	16.82	13.2	101.8	16.19	13.3	98.8	15.81	13.4	91.2	14.63	13.5	86.0	13.53	13.6
	20	247	108.7	14.79	14.6	101.8	14.34	14.9	98.8	14.08	15.1	91.2	12.99	15.5	86.0	12.19	15.7
	20	494	108.7	14.79	17.3	101.8	14.17	17.5	98.8	14.36	17.5	91.2	12.47	17.7	86.0	11.65	17.8
	20	741	108.7	14.43	18.2	101.8	14.02	18.3	98.8	14.36	18.4	91.2	12.47	18.5	86.0	11.65	18.6
	25	247	109.3	12.91	19.4	102.3	12.23	19.8	98.8	12.12	20.0	91.2	10.83	20.3	86.0	10.04	20.6
	25	494	109.3	12.79	22.2	102.3	12.11	22.4	98.8	11.88	22.5	91.2	10.55	22.7	86.0	9.73	22.8
	25	741	109.3	12.29	23.1	102.3	11.69	23.2	98.8	11.88	23.3	91.2	10.55	23.4	86.0	9.73	23.5
	30	247	109.3	11.66	24.3	102.3	10.88	24.7	98.8	10.48	24.9	91.2	9.46	25.3	86.0	8.64	25.5
	30	494	109.3	11.42	27.2	102.3	10.62	27.3	98.8	10.23	27.4	91.2	9.21	27.6	86.0	8.64	27.8
	30	741	109.3	11.00	28.1	102.3	10.20	28.2	98.8	10.23	28.3	91.2	9.21	28.4	86.0	8.27	28.5
	35	247	109.3	10.62	29.3	102.3	9.84	29.6	98.8	9.40	29.8	91.2	8.39	30.2	86.0	7.85	30.5
	35	494	109.3	10.83	32.1	102.3	9.54	32.3	98.8	9.12	32.4	91.2	8.12	32.6	86.0	7.85	32.7
	35	741	109.3	9.93	33.1	102.3	9.73	33.2	98.8	8.68	33.3	91.2	8.12	33.4	86.0	7.85	33.5
	40	247	109.3	9.84	34.2	102.3	9.04	34.6	98.8	8.28	34.7	91.2	7.60	35.1	86.0	7.02	35.4
	40	494	109.3	9.27	37.1	102.3	8.77	37.3	98.8	8.00	37.4	91.2	7.30	37.6	86.0	6.78	37.7
	40	741	109.3	9.27	38.1	102.3	8.77	38.2	98.8	8.00	38.2	91.2	7.30	38.4	86.0	7.02	38.5
	45	247	109.3	9.27	39.2	102.3	8.77	39.6	98.8	8.00	39.7	91.2	7.30	40.1	86.0	7.02	40.4
	45	494	109.3	9.27	42.1	102.3	8.77	42.3	98.8	8.00	42.4	91.2	7.30	42.6	86.0	7.02	42.7
	45	741	109.3	9.27	43.1	102.3	8.77	43.2	98.8	8.00	43.2	91.2	7.30	43.4	86.0	7.02	43.5
50	5	247	90.4	18.47	0.8	84.6	17.45	1.1	82.2	16.47	1.2	75.4	15.13	1.5	69.3	13.57	1.8
	5	494	90.4	18.81	2.9	84.6	17.78	3.1	82.2	16.79	3.1	75.4	15.45	3.3	69.3	13.84	3.4
	5	741	90.4	18.98	3.6	84.6	17.95	3.7	82.2	16.98	3.7	75.4	15.59	3.8	69.3	14.01	3.9
	10	247	90.4	16.25	5.7	84.6	15.46	6.0	82.2	14.86	6.1	75.4	13.64	6.4	69.3	12.32	6.7
	10	494	90.4	16.30	7.9	84.6	15.53	8.0	82.2	14.91	8.0	75.4	13.59	8.2	69.3	12.35	8.3
	10	741	90.4	16.25	8.6	84.6	15.46	8.7	82.2	14.86	8.7	75.4	13.67	8.8	69.3	12.42	8.9
	15	247	90.4	14.02	10.6	84.6	13.50	10.9	82.2	13.25	11.0	75.8	12.15	11.3	71.5	11.08	11.5
	15	494	90.4	13.78	12.8	84.6	13.28	12.9	82.2	13.03	13.0	75.8	11.74	13.1	71.5	10.86	13.2
	15	741	90.4	13.50	13.5	84.6	12.99	13.6	82.2	12.69	13.7	75.8	11.74	13.8	71.5	10.86	13.8
	20	247	90.4	11.87	15.4	84.6	11.51	15.8	82.2	11.30	15.9	75.8	10.42	16.2	71.5	9.79	16.4
	20	494	90.4	11.87	17.7	84.6	11.37	17.9	82.2	11.52	18.0	75.8	10.01	18.1	71.5	9.35	18.2
	20	741	90.4	11.58	18.5	84.6	11.25	18.6	82.2	11.52	18.6	75.8	10.01	18.7	71.5	9.35	18.8
	25	247	90.9	10.36	20.3	85.0	9.81	20.6	82.2	9.73	20.8	75.8	8.69	21.1	71.5	8.05	21.3
	25	494	90.9	10.27	22.7	85.0	9.72	22.8	82.2	9.53	22.9	75.8	8.47	23.0	71.5	7.81	23.2
	25	741	90.9	9.86	23.4	85.0	9.38	23.5	82.2	9.53	23.6	75.8	8.47	23.7	71.5	7.81	23.8
	30	247	90.9	9.36	25.3	85.0	8.73	25.6	82.2	8.41	25.7	75.8	7.59	26.0	71.5	6.93	26.3
	30	494	90.9	9.17	27.6	85.0	8.52	27.8	82.2	8.21	27.9	75.8	7.39	28.0	71.5	6.93	28.1
	30	741	90.9	8.83	28.4	85.0	8.18	28.5	82.2	8.21	28.6	75.8	7.39	28.7	71.5	6.64	28.7
	35	247	90.9	8.52	30.2	85.0	7.90	30.5	82.2	7.54	30.7	75.8	6.74	31.0	71.5	6.30	31.2
	35	494	90.9	8.69	32.6	85.0	7.66	32.8	82.2	7.32	32.8	75.8	6.52	33.0	71.5	6.30	33.1
	35	741	90.9	7.97	33.4	85.0	7.81	33.5	82.2	6.97	33.5	75.8	6.52	33.7	71.5	6.30	33.7
	40	247	90.9	7.90	35.2	85.0	7.25	35.5	82.2	6.64	35.6	75.8	6.10	36.0	71.5	5.64	36.2
	40	494	90.9	7.44	37.6	85.0	7.04	37.7	82.2	6.42	37.8	75.8	5.86	38.0	71.5	5.44	38.1
	40	741	90.9	7.44	38.4	85.0	7.04	38.5	82.2	6.42	38.5	75.8	5.86	38.6	71.5	5.64	38.7
	45	247	90.9	7.44	40.2	85.0	7.04	40.5	82.2	6.42	40.6	75.8	5.86	40.9	71.5	5.64	41.2
	45	494	90.9	7.44	42.6	85.0	7.04	42.7	82.2	6.42	42.8	75.8	5.86	43.0	71.5	5.64	43.1
	45	741	90.9	7.44	43.4	85.0	7.04	43.5	82.2	6.42	43.5	75.8	5.86	43.6	71.5	5.64	43.7

12. Capacity Table

1-22. AM600FXWANR✳ ✳ ✳

1) Cooling

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
130	10	285	169.2	12.34	19.1	186.0	14.69	20.1	199.8	16.09	20.9	214.4	17.08	21.6	220.2	17.28	21.9
	10	570	169.2	11.44	14.5	186.0	13.57	15.0	199.8	15.34	15.4	214.4	16.12	15.8	220.2	16.12	15.9
	10	855	169.2	11.26	13.0	186.0	13.52	13.3	199.8	14.52	13.6	214.4	15.82	13.9	220.2	16.18	14.0
	15	285	166.2	15.92	24.2	183.0	18.85	25.1	196.8	20.94	26.0	210.8	21.95	26.7	216.6	22.44	27.0
	15	570	166.2	14.85	19.6	183.0	17.47	20.0	196.8	19.50	20.4	210.8	20.52	20.8	216.6	20.98	21.0
	15	855	166.2	14.42	18.0	183.0	17.04	18.4	196.8	18.87	18.6	210.8	19.79	18.9	216.6	20.40	19.0
	20	285	163.8	18.98	29.2	180.5	22.20	30.2	194.4	24.79	31.0	207.8	25.99	31.8	213.6	26.55	32.1
	20	570	163.8	18.61	24.6	180.5	21.87	25.1	194.4	24.44	25.5	207.8	25.69	25.9	213.6	26.18	26.0
	20	855	163.8	17.98	23.0	180.5	21.21	23.4	194.4	23.71	23.7	207.8	24.72	23.9	213.6	25.49	24.0
	25	285	163.8	23.82	34.4	180.5	28.05	35.5	194.4	31.24	36.3	207.8	32.84	37.1	213.6	33.37	37.4
	25	570	163.8	22.27	29.7	180.5	26.18	30.2	194.4	29.12	30.6	207.8	30.68	31.0	213.6	31.17	31.2
	25	855	163.8	21.42	28.1	180.5	25.34	28.5	194.4	28.20	28.7	207.8	29.58	29.0	213.6	30.42	29.1
	30	285	163.8	27.95	39.6	180.5	32.85	40.7	194.4	36.68	41.6	207.8	38.47	42.4	213.6	39.11	42.7
	30	570	163.8	27.49	34.8	180.5	32.34	35.4	194.4	35.99	35.8	207.8	37.90	36.2	213.6	38.66	36.3
	30	855	163.8	26.60	33.2	180.5	31.32	33.6	194.4	34.93	33.8	207.8	36.65	34.1	213.6	37.63	34.2
	35	285	154.8	29.09	44.2	171.0	34.26	45.3	183.8	38.21	46.2	197.3	40.02	46.9	201.8	40.72	47.2
	35	570	154.8	28.53	39.6	171.0	33.69	40.1	183.8	37.53	40.6	197.3	39.45	41.0	201.8	40.27	41.1
	35	855	154.8	27.77	38.1	171.0	32.66	38.4	183.8	36.31	38.7	197.3	38.17	38.9	201.8	39.21	39.0
	40	285	129.5	30.29	48.0	142.6	35.64	49.0	153.6	39.76	49.7	164.4	41.70	50.4	169.1	42.54	50.6
	40	570	130.6	29.78	44.0	143.8	35.11	44.5	154.9	39.03	44.9	165.8	41.07	45.2	170.5	41.96	45.3
	40	855	132.5	28.87	42.7	145.9	33.91	43.0	157.1	37.90	43.3	168.2	39.75	43.5	173.0	40.95	43.6
	45	285	108.0	31.27	52.0	118.6	36.84	52.8	127.4	41.08	53.5	136.6	43.02	54.0	140.3	43.92	54.3
	45	570	108.9	30.76	48.5	119.6	36.21	48.9	128.5	40.31	49.2	137.7	42.52	49.5	141.5	43.35	49.6
	45	855	110.5	29.76	47.4	121.3	34.98	47.6	130.3	39.14	47.8	139.7	41.03	48.0	143.5	42.32	48.1
120	10	285	160.2	11.72	18.6	176.3	13.92	19.6	189.6	15.27	20.3	203.0	16.14	21.0	208.2	16.34	21.3
	10	570	160.2	10.94	14.3	176.3	13.00	14.8	189.6	14.52	15.1	203.0	15.23	15.5	208.2	15.25	15.6
	10	855	160.2	10.44	12.9	176.3	12.80	13.2	189.6	13.71	13.4	203.0	14.98	13.7	208.2	15.46	13.7
	15	285	158.4	15.24	23.7	173.9	17.98	24.6	187.2	20.07	25.4	200.6	21.03	26.1	205.8	21.39	26.4
	15	570	158.4	14.23	19.3	173.9	16.73	19.8	187.2	18.70	20.2	200.6	19.59	20.5	205.8	19.99	20.7
	15	855	158.4	13.74	17.9	173.9	16.29	18.2	187.2	18.00	18.4	200.6	18.93	18.7	205.8	19.53	18.8
	20	285	156.6	18.25	28.8	172.0	21.35	29.7	185.4	23.83	30.5	198.8	25.03	31.3	204.0	25.52	31.5
	20	570	156.6	17.85	24.4	172.0	20.97	24.9	185.4	23.49	25.3	198.8	24.67	25.6	204.0	25.10	25.8
	20	855	156.6	17.34	22.9	172.0	20.44	23.2	185.4	22.76	23.5	198.8	23.78	23.7	204.0	24.47	23.8
	25	285	156.6	22.89	34.0	172.0	26.92	35.0	185.4	29.88	35.8	198.8	31.48	36.6	204.0	32.01	36.9
	25	570	156.6	21.28	29.5	172.0	25.12	30.0	185.4	27.95	30.4	198.8	29.33	30.7	204.0	29.88	30.9
	25	855	156.6	20.50	28.0	172.0	24.23	28.3	185.4	27.03	28.6	198.8	28.36	28.8	204.0	29.06	28.9
	30	285	156.6	26.99	39.2	172.0	31.76	40.3	185.4	35.41	41.1	198.8	37.14	41.9	204.0	37.79	42.2
	30	570	156.6	26.53	34.6	172.0	31.18	35.1	185.4	34.79	35.5	198.8	36.56	35.9	204.0	37.26	36.1
	30	855	156.6	25.65	33.1	172.0	30.22	33.4	185.4	33.72	33.7	198.8	35.45	33.9	204.0	36.28	34.0
	35	285	150.4	28.47	44.0	165.9	33.57	45.0	178.7	37.40	45.9	191.0	39.15	46.6	196.2	39.91	46.9
	35	570	150.4	27.94	39.5	165.9	32.97	40.0	178.7	36.74	40.4	191.0	38.60	40.8	196.2	39.35	40.9
	35	855	150.4	27.12	38.0	165.9	32.00	38.3	178.7	35.53	38.6	191.0	37.33	38.8	196.2	38.35	38.9
	40	285	128.3	30.23	48.0	141.4	35.58	48.9	152.4	39.70	49.7	162.7	41.64	50.3	167.3	42.48	50.6
	40	570	129.4	29.72	44.0	142.6	35.05	44.5	153.7	38.96	44.8	164.0	40.94	45.2	168.8	41.83	45.3
	40	855	131.3	28.80	42.7	144.7	33.97	43.0	155.9	37.83	43.2	166.4	39.75	43.5	171.2	40.75	43.6
	45	285	109.2	31.75	52.1	120.8	37.44	53.0	130.2	41.75	53.6	138.8	43.74	54.2	142.5	44.65	54.4
	45	570	110.1	31.26	48.6	121.9	36.79	49.0	131.3	41.01	49.3	140.0	43.09	49.6	143.7	43.99	49.7
	45	855	111.7	30.21	47.4	123.6	35.68	47.7	133.2	39.77	47.9	142.0	41.79	48.1	145.8	42.71	48.2
110	10	285	151.2	10.97	18.2	166.0	13.15	19.0	178.8	14.40	19.7	191.6	15.26	20.4	196.2	15.40	20.6
	10	570	151.2	10.26	14.1	166.0	12.17	14.5	178.8	13.69	14.8	191.6	14.46	15.2	196.2	14.32	15.3
	10	855	151.2	9.94	12.7	166.0	11.96	13.0	178.8	13.09	13.2	191.6	14.15	13.4	196.2	14.48	13.5
	15	285	150.0	14.50	23.3	164.8	17.16	24.2	177.6	19.14	24.9	190.4	20.04	25.6	195.6	20.46	25.9
	15	570	150.0	13.55	19.1	164.8	15.92	19.5	177.6	17.84	19.9	190.4	18.73	20.3	195.6	19.07	20.4
	15	855	150.0	13.12	17.7	164.8	15.48	18.0	177.6	17.27	18.3	190.4	18.07	18.5	195.6	18.53	18.6
	20	285	149.4	17.52	28.4	164.2	20.50	29.3	177.0	22.92	30.1	189.2	24.00	30.7	194.4	24.49	31.0
	20	570	149.4	17.15	24.2	164.2	20.14	24.6	177.0	22.53	25.0	189.2	23.66	25.4	194.4	24.08	25.5
	20	855	149.4	16.64	22.8	164.2	19.61	23.1	177.0	21.87	23.3	189.2	22.89	23.6	194.4	23.38	23.7
	25	285	149.4	21.90	33.6	164.2	25.74	34.6	177.0	28.65	35.3	189.2	30.06	36.0	194.4	30.59	36.3
	25	570	149.4	20.41	29.3	164.2	24.00	29.7	177.0	26.72	30.1	189.2	28.03	30.5	194.4	28.53	30.6
	25	855	149.4	19.64	27.8	164.2	23.17	28.1	177.0	25.87	28.4	189.2	27.13	28.6	194.4	27.69	28.7
	30	285	149.4	26.02	38.8	164.2	30.60	39.8	177.0	34.14	40.6	189.2	35.81	41.3	194.4	36.46	41.6
	30	570	149.4	25.58	34.4	164.2	30.09	34.9	177.0	33.52	35.3	189.2	35.23	35.6	194.4	35.86	35.8
	30	855	149.4	24.76	32.9	164.2	29.20	33.2	177.0	32.52	33.5	189.2	34.12	33.7	194.4	34.88	33.8
	35	285	146.0	27.85	43.7	161.4	32.81	44.8	173.1	36.59	45.5	185.9	38.28	46.3	190.5	39.04	46.5
	35	570	146.0	27.35	39.4	161.4	32.24	39.9	173.1	35.96	40.3	185.9	37.68	40.6	190.5	38.44	40.8
	35	855	146.0	26.53	37.9	161.4	31.27	38.2	173.1	34.75	38.5	185.9	36.55	38.7	190.5	37.36	38.8
	40	285	127.1	30.23	47.9	140.2	35.58	48.8	150.6	39.64	49.6	161.5	41.58	50.2	166.2	42.42	50.5
	40	570	128.2	29.65	44.0	141.4	34.98	44.4	151.9	38.96	44.8	162.8	40.88	45.1	167.6	41.70	45.3
	40	855	130.0	28.74	42.7	143.4	33.91	43.0	154.1	37.77	43.2	165.2	39.68	43.4	170.0	40.56	43.5
	45	285	111.4	32.35	52.2	122.6	38.05	53.1	131.9	42.41	53.8	141.7	44.47	54.4	145.3	45.37	54.6
	45	570	112.3	31.71	48.6	123.6	37.36	49.0	133.0	41.64	49.4	142.9	43.85	49.7	146.6	44.62	49.8
	45	855	114.0	30.65	47.4	125.4	36.26	47.7	134.9	40.40	47.9	144.9	42.48	48.1	148.7	43.28	48.2

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	10	285	141.6	10.40	17.6	156.3	12.25	18.5	168.0	13.65	19.1	180.2	14.32	19.8	184.8	14.58	20.0
	10	570	141.6	9.69	13.8	156.3	11.47	14.2	168.0	12.99	14.6	180.2	13.57	14.9	184.8	13.57	15.0
	10	855	141.6	9.37	12.5	156.3	11.24	12.8	168.0	12.28	13.0	180.2	13.31	13.2	184.8	13.51	13.3
	15	285	141.6	13.88	22.8	156.3	16.35	23.7	168.0	18.21	24.4	180.2	19.11	25.0	184.8	19.47	25.3
	15	570	141.6	12.94	18.9	156.3	15.23	19.3	168.0	16.97	19.7	180.2	17.81	20.0	184.8	18.14	20.1
	15	855	141.6	12.51	17.6	156.3	14.73	17.9	168.0	16.41	18.1	180.2	17.21	18.3	184.8	17.54	18.4
	20	285	141.6	16.73	28.0	156.3	19.70	28.9	168.0	21.95	29.6	180.2	23.03	30.2	184.8	23.46	30.5
	20	570	141.6	16.45	24.0	156.3	19.37	24.4	168.0	21.58	24.8	180.2	22.64	25.1	184.8	23.06	25.2
	20	855	141.6	15.94	22.6	156.3	18.77	22.9	168.0	20.91	23.2	180.2	21.94	23.4	184.8	22.35	23.5
	25	285	141.6	20.85	33.2	156.3	24.55	34.1	168.0	27.35	34.8	180.2	28.69	35.5	184.8	29.23	35.8
	25	570	141.6	19.43	29.0	156.3	22.88	29.5	168.0	25.49	29.9	180.2	26.74	30.2	184.8	27.24	30.3
	25	855	141.6	18.78	27.7	156.3	22.11	28.0	168.0	24.64	28.2	180.2	25.85	28.5	184.8	26.33	28.5
	30	285	141.6	25.06	38.4	156.3	29.50	39.3	168.0	32.87	40.1	180.2	34.48	40.8	184.8	35.13	41.1
	30	570	141.6	24.63	34.2	156.3	29.00	34.7	168.0	32.31	35.0	180.2	33.90	35.4	184.8	34.53	35.5
	30	855	141.6	23.87	32.8	156.3	28.11	33.1	168.0	31.31	33.3	180.2	32.85	33.6	184.8	33.47	33.7
	35	285	141.6	27.23	43.5	156.3	32.06	44.5	168.0	35.72	45.2	180.2	37.47	45.9	184.8	38.17	46.2
	35	570	141.6	26.76	39.2	156.3	31.51	39.7	168.0	35.11	40.1	180.2	36.83	40.5	184.8	37.52	40.6
	35	855	141.6	25.94	37.8	156.3	30.54	38.1	168.0	34.03	38.4	180.2	35.70	38.6	184.8	36.37	38.7
	40	285	125.9	30.17	47.9	139.0	35.52	48.8	149.4	39.57	49.5	160.3	41.52	50.1	164.4	42.29	50.4
	40	570	127.0	29.65	43.9	140.2	34.92	44.4	150.7	38.90	44.8	161.6	40.81	45.1	165.8	41.58	45.2
	40	855	128.8	28.74	42.6	142.2	33.84	43.0	152.9	37.70	43.2	164.0	39.55	43.4	168.1	40.29	43.5
	45	285	113.1	32.83	52.3	124.8	38.66	53.2	134.2	43.07	53.9	143.9	45.19	54.5	147.6	46.04	54.7
	45	570	114.0	32.28	48.7	125.9	38.00	49.1	135.3	42.34	49.5	145.1	44.42	49.8	148.8	45.25	49.9
	45	855	115.7	31.28	47.5	127.7	36.83	47.8	137.3	41.04	48.0	147.2	43.05	48.2	151.0	43.86	48.3
90	10	285	127.7	9.29	16.9	140.9	10.94	17.6	151.5	12.19	18.2	162.5	12.79	18.8	166.7	13.03	19.0
	10	570	127.7	9.13	13.4	140.9	10.75	13.8	151.5	11.98	14.1	162.5	12.57	14.4	166.7	12.81	14.5
	10	855	127.7	8.85	12.3	140.9	10.42	12.5	151.5	11.61	12.7	162.5	12.18	12.9	166.7	12.41	13.0
	15	285	127.7	12.40	22.0	140.9	14.60	22.8	151.5	16.27	23.4	162.5	17.07	24.0	166.7	17.39	24.3
	15	570	127.7	12.19	18.5	140.9	14.35	18.9	151.5	15.99	19.2	162.5	16.78	19.5	166.7	17.09	19.6
	15	855	127.7	11.82	17.3	140.9	13.91	17.6	151.5	15.50	17.8	162.5	16.26	18.0	166.7	16.57	18.1
	20	285	127.7	14.95	27.2	140.9	17.60	28.0	151.5	19.61	28.6	162.5	20.57	29.2	166.7	20.96	29.4
	20	570	127.7	14.69	23.6	140.9	17.30	24.0	151.5	19.27	24.3	162.5	20.22	24.6	166.7	20.60	24.7
	20	855	127.7	14.24	22.4	140.9	16.77	22.6	151.5	18.68	22.9	162.5	19.60	23.1	166.7	19.97	23.1
	25	285	127.7	18.62	32.4	140.9	21.93	33.2	151.5	24.43	33.8	162.5	25.63	34.5	166.7	26.11	34.7
	25	570	127.7	18.31	28.7	140.9	21.56	29.1	151.5	24.02	29.4	162.5	25.19	29.7	166.7	25.67	29.8
	25	855	127.7	17.74	27.4	140.9	20.89	27.7	151.5	23.28	27.9	162.5	24.42	28.1	166.7	24.88	28.2
	30	285	127.7	22.38	37.5	140.9	26.35	38.4	151.5	29.36	39.1	162.5	30.80	39.7	166.7	31.38	40.0
	30	570	127.7	22.00	33.8	140.9	25.90	34.2	151.5	28.86	34.5	162.5	30.28	34.8	166.7	30.84	35.0
	30	855	127.7	21.32	32.5	140.9	25.11	32.8	151.5	27.97	33.0	162.5	29.35	33.2	166.7	29.89	33.3
	35	285	127.7	24.32	42.6	140.9	28.64	43.5	151.5	31.90	44.2	162.5	33.47	44.9	166.7	34.10	45.1
	35	570	127.7	23.91	38.8	140.9	28.15	39.3	151.5	31.36	39.6	162.5	32.90	39.9	166.7	33.52	40.0
	35	855	127.7	23.17	37.5	140.9	27.28	37.8	151.5	30.39	38.0	162.5	31.89	38.3	166.7	32.48	38.3
	40	285	113.6	26.95	47.1	125.4	31.73	47.9	134.8	35.35	48.6	144.5	37.08	49.1	148.2	37.78	49.4
	40	570	114.5	26.49	43.5	126.4	31.19	44.0	135.9	34.75	44.3	145.8	36.45	44.6	149.5	37.14	44.7
	40	855	116.2	25.67	42.4	128.2	30.23	42.7	137.8	33.68	42.9	147.9	35.33	43.1	151.6	35.99	43.1
	45	285	102.0	29.33	51.6	112.6	34.53	52.4	121.0	38.47	53.0	129.8	40.36	53.6	133.1	41.12	53.8
	45	570	102.8	28.83	48.3	113.5	33.95	48.7	122.0	37.82	49.0	130.9	39.68	49.3	134.2	40.42	49.4
	45	855	104.3	27.94	47.2	115.2	32.90	47.5	123.8	36.66	47.7	132.8	38.46	47.9	136.1	39.18	47.9
80	10	285	113.5	7.69	16.1	125.3	9.05	16.8	134.7	10.09	17.3	144.5	10.58	17.8	148.2	10.78	18.0
	10	570	113.5	7.56	13.0	125.3	8.90	13.4	134.7	9.91	13.6	144.5	10.40	13.9	148.2	10.60	14.0
	10	855	113.5	7.32	12.0	125.3	8.62	12.2	134.7	9.61	12.4	144.5	10.08	12.6	148.2	10.27	12.7
	15	285	113.5	10.26	21.2	125.3	12.08	21.9	134.7	13.46	22.5	144.5	14.12	23.0	148.2	14.39	23.2
	15	570	113.5	10.09	18.1	125.3	11.88	18.4	134.7	13.23	18.7	144.5	13.88	19.0	148.2	14.14	19.1
	15	855	113.5	9.78	17.1	125.3	11.51	17.3	134.7	12.83	17.5	144.5	13.46	17.6	148.2	13.71	17.7
	20	285	113.5	12.37	26.3	125.3	14.56	27.0	134.7	16.22	27.6	144.5	17.02	28.1	148.2	17.34	28.3
	20	570	113.5	12.16	23.2	125.3	14.31	23.5	134.7	15.95	23.8	144.5	16.73	24.1	148.2	17.05	24.2
	20	855	113.5	11.78	22.1	125.3	13.87	22.3	134.7	15.46	22.5	144.5	16.22	22.7	148.2	16.52	22.8
	25	285	113.5	15.41	31.5	125.3	18.14	32.2	134.7	20.22	32.8	144.5	21.21	33.3	148.2	21.61	33.5
	25	570	113.5	15.15	28.2	125.3	17.84	28.6	134.7	19.87	28.9	144.5	20.85	29.2	148.2	21.24	29.3
	25	855	113.5	14.68	27.1	125.3	17.29	27.4	134.7	19.26	27.6	144.5	20.21	27.8	148.2	20.58	27.8
	30	285	113.5	18.52	36.6	125.3	21.80	37.4	134.7	24.29	38.0	144.5	25.49	38.5	148.2	25.96	38.8
	30	570	113.5	18.20	33.3	125.3	21.43	33.7	134.7	23.88	34.0	144.5	25.05	34.3	148.2	25.52	34.4
	30	855	113.5	17.64	32.2	125.3	20.77	32.4	134.7	23.14	32.6	144.5	24.28	32.8	148.2	24.74	32.9
	35	285	113.5	20.12	41.7	125.3	23.69	42.5	134.7	26.40	43.1	144.5	27.69	43.7	148.2	28.21	43.9
	35	570	113.5	19.78	38.4	125.3	23.29	38.7	134.7	25.95	39.0	144.5	27.22	39.3	148.2	27.73	39.4
	35	855	113.5	19.17	37.2	125.3	22.57	37.5	134.7	25.15	37.7	144.5	26.39	37.9	148.2	26.88	37.9
	40	285	101.0	22.30	46.2	111.5	26.25	46.9	119.8	29.25	47.5	128.5	30.69	48.0	131.8	31.26	48.2
	40	570	101.8	21.92	43.1	112.4	25.81	43.5	120.8	28.75	43.8	129.6	30.16	44.0	132.9	30.73	44.1
	40	855	103.3	21.24	42.1	114.0	25.01	42.3	122.6	27.87	42.5	131.5	29.23	42.7	134.8	29.78	42.8
	45	285	90.7	24.27	50.8	100.1	28.57	51.5	107.6	31.84	52.0	115.4	33.40	52.5	118.3	34.02	52.7
	45	570	91.4	23.85	47.9	100.9	28.09	48.2	108.5	31.29	48.5	116.4	32.83	48.8	119.3	33.45	48.8
	45	855	92.8	23.12	46.9	102.4	27.22	47.2	110.0	30.33	47.4	118.0	31.82	47.5	121.1	32.42	47.6

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB/WB)														
			23/16			25/18			27/19			30/22			32/24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	10	285	99.2	6.42	15.3	109.5	7.56	15.9	117.8	8.43	16.3	126.3	8.84	16.8	129.5	9.01	17.0
	10	570	99.2	6.31	12.7	109.5	7.43	12.9	117.8	8.28	13.2	126.3	8.69	13.4	129.5	8.85	13.5
	10	855	99.2	6.12	11.8	109.5	7.21	12.0	117.8	8.03	12.1	126.3	8.42	12.3	129.5	8.58	12.3
	15	285	99.2	8.57	20.4	109.5	10.09	21.0	117.8	11.25	21.5	126.3	11.80	21.9	129.5	12.02	22.1
	15	570	99.2	8.43	17.7	109.5	9.92	18.0	117.8	11.06	18.2	126.3	11.60	18.5	129.5	11.82	18.6
	15	855	99.2	8.17	16.8	109.5	9.62	17.0	117.8	10.71	17.2	126.3	11.24	17.3	129.5	11.45	17.4
	20	285	99.2	10.33	25.5	109.5	12.17	26.1	117.8	13.55	26.6	126.3	14.22	27.1	129.5	14.49	27.2
	20	570	99.2	10.16	22.8	109.5	11.96	23.1	117.8	13.32	23.3	126.3	13.98	23.5	129.5	14.24	23.6
	20	855	99.2	9.84	21.8	109.5	11.59	22.0	117.8	12.91	22.2	126.3	13.55	22.3	129.5	13.80	22.4
	25	285	99.2	12.87	30.6	109.5	15.16	31.3	117.8	16.89	31.8	126.3	17.72	32.2	129.5	18.05	32.4
	25	570	99.2	12.65	27.8	109.5	14.90	28.1	117.8	16.60	28.4	126.3	17.42	28.6	129.5	17.74	28.7
	25	855	99.2	12.26	26.9	109.5	14.44	27.1	117.8	16.09	27.2	126.3	16.88	27.4	129.5	17.20	27.5
	30	285	99.2	15.47	35.8	109.5	18.22	36.4	117.8	20.30	36.9	126.3	21.29	37.4	129.5	21.69	37.6
	30	570	99.2	15.21	32.9	109.5	17.91	33.2	117.8	19.95	33.5	126.3	20.93	33.7	129.5	21.32	33.8
	30	855	99.2	14.74	31.9	109.5	17.35	32.1	117.8	19.34	32.3	126.3	20.29	32.5	129.5	20.67	32.5
	35	285	99.2	16.81	40.8	109.5	19.79	41.5	117.8	22.05	42.0	126.3	23.14	42.5	129.5	23.57	42.7
	35	570	99.2	16.53	37.9	109.5	19.46	38.2	117.8	21.68	38.5	126.3	22.74	38.7	129.5	23.17	38.8
	35	855	99.2	16.02	36.9	109.5	18.86	37.2	117.8	21.01	37.3	126.3	22.04	37.5	129.5	22.46	37.5
	40	285	88.3	18.63	45.4	97.4	21.93	46.0	104.7	24.43	46.5	112.3	25.64	46.9	115.2	26.12	47.1
	40	570	89.0	18.31	42.7	98.3	21.56	43.0	105.6	24.02	43.3	113.3	25.20	43.5	116.2	25.67	43.6
	40	855	90.3	17.75	41.8	99.7	20.89	42.0	107.1	23.28	42.2	114.9	24.42	42.3	117.8	24.88	42.4
	45	285	79.3	20.27	50.0	87.5	23.87	50.6	94.0	26.60	51.1	100.9	27.90	51.5	103.4	28.43	51.6
	45	570	79.9	19.93	47.5	88.2	23.47	47.8	94.8	26.14	48.0	101.7	27.43	48.2	104.3	27.94	48.3
	45	855	81.1	19.32	46.7	89.5	22.74	46.9	96.2	25.34	47.0	103.2	26.58	47.2	105.8	27.08	47.2
60	10	285	84.7	5.09	14.5	93.5	5.99	15.0	100.5	6.68	15.4	107.8	7.01	15.8	110.6	7.14	15.9
	10	570	84.7	5.00	12.3	93.5	5.89	12.5	100.5	6.56	12.7	107.8	6.89	12.9	110.6	7.02	13.0
	10	855	84.7	4.85	11.5	93.5	5.71	11.7	100.5	6.36	11.8	107.8	6.67	11.9	110.6	6.80	12.0
	15	285	84.7	6.79	19.6	93.5	8.00	20.1	100.5	8.91	20.5	107.8	9.35	20.9	110.6	9.53	21.0
	15	570	84.7	6.68	17.3	93.5	7.86	17.5	100.5	8.76	17.7	107.8	9.19	17.9	110.6	9.36	18.0
	15	855	84.7	6.47	16.5	93.5	7.62	16.7	100.5	8.49	16.8	107.8	8.91	17.0	110.6	9.08	17.0
	20	285	84.7	8.19	24.7	93.5	9.64	25.2	100.5	10.74	25.6	107.8	11.27	26.0	110.6	11.48	26.1
	20	570	84.7	8.05	22.3	93.5	9.48	22.6	100.5	10.56	22.8	107.8	11.08	23.0	110.6	11.29	23.1
	20	855	84.7	7.80	21.6	93.5	9.19	21.7	100.5	10.23	21.9	107.8	10.74	22.0	110.6	10.94	22.0
	25	285	84.7	10.20	29.8	93.5	12.01	30.3	100.5	13.38	30.7	107.8	14.04	31.1	110.6	14.30	31.3
	25	570	84.7	10.03	27.4	93.5	11.81	27.6	100.5	13.16	27.9	107.8	13.80	28.1	110.6	14.06	28.1
	25	855	84.7	9.72	26.6	93.5	11.44	26.8	100.5	12.75	26.9	107.8	13.38	27.0	110.6	13.63	27.1
	30	285	84.7	12.26	34.9	93.5	14.44	35.4	100.5	16.08	35.9	107.8	16.87	36.3	110.6	17.19	36.4
	30	570	84.7	12.05	32.4	93.5	14.19	32.7	100.5	15.81	32.9	107.8	16.59	33.1	110.6	16.90	33.2
	30	855	84.7	11.68	31.6	93.5	13.75	31.8	100.5	15.32	31.9	107.8	16.08	32.1	110.6	16.38	32.1
	35	285	84.7	13.32	39.9	93.5	15.69	40.5	100.5	17.48	40.9	107.8	18.34	41.3	110.6	18.68	41.5
	35	570	84.7	13.10	37.5	93.5	15.42	37.7	100.5	17.18	38.0	107.8	18.02	38.2	110.6	18.36	38.2
	35	855	84.7	12.69	36.6	93.5	14.95	36.8	100.5	16.65	37.0	107.8	17.47	37.1	110.6	17.80	37.2
	40	285	75.3	14.76	44.5	83.2	17.38	45.1	89.4	19.36	45.5	95.9	20.32	45.8	98.3	20.70	46.0
	40	570	76.0	14.51	42.3	83.9	17.08	42.5	90.1	19.03	42.7	96.7	19.97	42.9	99.2	20.34	43.0
	40	855	77.1	14.06	41.5	85.1	16.56	41.7	91.4	18.45	41.8	98.1	19.35	42.0	100.6	19.72	42.0
	45	285	67.7	16.07	49.2	74.7	18.92	49.7	80.3	21.08	50.1	86.1	22.11	50.4	88.3	22.53	50.6
	45	570	68.2	15.79	47.1	75.3	18.60	47.4	80.9	20.72	47.6	86.8	21.74	47.7	89.0	22.14	47.8
	45	855	69.2	15.31	46.4	76.4	18.02	46.6	82.1	20.08	46.7	88.1	21.07	46.8	90.3	21.46	46.9
50	10	285	71.1	3.72	13.8	78.4	4.38	14.2	84.3	4.88	14.5	90.4	5.12	14.8	92.7	5.21	14.9
	10	570	71.1	3.66	11.9	78.4	4.30	12.1	84.3	4.80	12.2	90.4	5.03	12.4	92.7	5.13	12.5
	10	855	71.1	3.54	11.3	78.4	4.17	11.4	84.3	4.65	11.5	90.4	4.88	11.6	92.7	4.97	11.6
	15	285	71.1	4.96	18.8	78.4	5.84	19.2	84.3	6.51	19.6	90.4	6.83	19.9	92.7	6.96	20.0
	15	570	71.1	4.88	16.9	78.4	5.75	17.1	84.3	6.40	17.3	90.4	6.72	17.4	92.7	6.84	17.5
	15	855	71.1	4.73	16.3	78.4	5.57	16.4	84.3	6.20	16.5	90.4	6.51	16.6	92.7	6.63	16.7
	20	285	71.1	5.98	23.9	78.4	7.04	24.3	84.3	7.85	24.6	90.4	8.23	25.0	92.7	8.39	25.1
	20	570	71.1	5.88	21.9	78.4	6.92	22.1	84.3	7.71	22.3	90.4	8.09	22.5	92.7	8.25	22.5
	20	855	71.1	5.70	21.3	78.4	6.71	21.4	84.3	7.48	21.5	90.4	7.84	21.6	92.7	7.99	21.7
	25	285	71.1	7.45	28.9	78.4	8.78	29.4	84.3	9.78	29.7	90.4	10.26	30.1	92.7	10.45	30.2
	25	570	71.1	7.33	27.0	78.4	8.63	27.2	84.3	9.61	27.4	90.4	10.08	27.5	92.7	10.27	27.6
	25	855	71.1	7.10	26.3	78.4	8.36	26.5	84.3	9.32	26.6	90.4	9.77	26.7	92.7	9.96	26.7
	30	285	71.1	8.96	34.0	78.4	10.55	34.5	84.3	11.75	34.8	90.4	12.33	35.2	92.7	12.56	35.3
	30	570	71.1	8.81	32.0	78.4	10.37	32.2	84.3	11.55	32.4	90.4	12.12	32.6	92.7	12.35	32.6
	30	855	71.1	8.53	31.3	78.4	10.05	31.5	84.3	11.20	31.6	90.4	11.75	31.7	92.7	11.97	31.8
	35	285	71.1	9.73	39.1	78.4	11.46	39.5	84.3	12.77	39.9	90.4	13.40	40.2	92.7	13.65	40.4
	35	570	71.1	9.57	37.0	78.4	11.27	37.3	84.3	12.55	37.4	90.4	13.17	37.6	92.7	13.42	37.7
	35	855	71.1	9.27	36.3	78.4	10.92	36.5	84.3	12.17	36.6	90.4	12.76	36.7	92.7	13.00	36.8
	40	285	63.2	10.78	43.7	69.8	12.70	44.1	75.0	14.15	44.5	80.4	14.84	44.8	82.5	15.12	44.9
	40	570	63.7	10.60	41.9	70.3	12.48	42.1	75.6	13.91	42.3	81.1	14.59	42.4	83.2	14.86	42.5
	40	855	64.6	10.27	41.3	71.4	12.10	41.4	76.7	13.48	41.5	82.3	14.14	41.6	84.4	14.41	41.7
	45	285	56.7	11.74	48.4	62.6	13.82	48.8	67.3	15.40	49.2	72.2	16.16	49.4	74.1	16.46	49.6
	45	570	57.2	11.54	46.7	63.2	13.59	46.9	67.9	15.14	47.1	72.8	15.88	47.2	74.7	16.18	47.3
	45	855	58.0	11.18	46.2	64.1	13.17	46.3	68.9	14.67	46.4	73.9	15.39	46.5	75.8	15.68	46.5

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	285	146.5	33.44	-0.7	137.2	31.58	-0.3	133.2	29.81	-0.2	122.3	27.38	0.2	112.3	24.56	0.6
	5	570	146.5	34.04	2.2	137.2	32.18	2.4	133.2	30.39	2.4	122.3	27.96	2.6	112.3	25.04	2.8
	5	855	146.5	34.35	3.1	137.2	32.49	3.2	133.2	30.74	3.3	122.3	28.22	3.4	112.3	25.35	3.5
	10	285	146.5	29.41	4.1	137.2	27.98	4.5	133.2	26.90	4.7	122.3	24.69	5.1	112.3	22.31	5.5
	10	570	146.5	29.50	7.1	137.2	28.11	7.3	133.2	26.99	7.3	122.3	24.60	7.5	112.3	22.35	7.7
	10	855	146.5	29.41	8.0	137.2	27.98	8.2	133.2	26.90	8.2	122.3	24.73	8.4	112.3	22.48	8.5
	15	285	146.5	25.38	8.9	137.2	24.43	9.3	133.2	23.98	9.5	122.9	22.00	9.9	115.9	20.05	10.2
	15	570	146.5	24.95	11.9	137.2	24.04	12.2	133.2	23.59	12.2	122.9	21.24	12.4	115.9	19.65	12.6
	15	855	146.5	24.43	13.0	137.2	23.52	13.1	133.2	22.97	13.2	122.9	21.24	13.3	115.9	19.65	13.4
	20	285	146.5	21.48	13.7	137.2	20.83	14.1	133.2	20.45	14.3	122.9	18.86	14.8	115.9	17.71	15.1
	20	570	146.5	21.48	16.9	137.2	20.57	17.1	133.2	20.85	17.2	122.9	18.11	17.4	115.9	16.92	17.5
	20	855	146.5	20.96	17.9	137.2	20.36	18.0	133.2	20.85	18.1	122.9	18.11	18.2	115.9	16.92	18.3
	25	285	147.3	18.76	18.5	137.9	17.76	19.0	133.2	17.61	19.2	122.9	15.72	19.6	115.9	14.58	19.9
	25	570	147.3	18.58	21.8	137.9	17.59	22.0	133.2	17.25	22.1	122.9	15.33	22.3	115.9	14.13	22.4
	25	855	147.3	17.85	22.8	137.9	16.98	23.0	133.2	17.25	23.1	122.9	15.33	23.2	115.9	14.13	23.3
	30	285	147.3	16.94	23.4	137.9	15.81	23.9	133.2	15.22	24.1	122.9	13.74	24.5	115.9	12.54	24.8
	30	570	147.3	16.59	26.7	137.9	15.42	26.9	133.2	14.86	27.0	122.9	13.38	27.2	115.9	12.54	27.4
	30	855	147.3	15.98	27.8	137.9	14.81	27.9	133.2	14.86	28.0	122.9	13.38	28.2	115.9	12.01	28.3
	35	285	147.3	15.42	28.4	137.9	14.29	28.8	133.2	13.65	29.0	122.9	12.19	29.4	115.9	11.40	29.7
	35	570	147.3	15.72	31.7	137.9	13.86	31.9	133.2	13.24	32.0	122.9	11.79	32.2	115.9	11.40	32.4
	35	855	147.3	14.42	32.8	137.9	14.13	32.9	133.2	12.61	33.0	122.9	11.79	33.1	115.9	11.40	33.2
	40	285	147.3	14.29	33.3	137.9	13.12	33.7	133.2	12.03	33.9	122.9	11.04	34.4	115.9	10.20	34.7
	40	570	147.3	13.47	36.6	137.9	12.73	36.9	133.2	11.62	36.9	122.9	10.60	37.2	115.9	9.85	37.3
	40	855	147.3	13.47	37.8	137.9	12.73	37.9	133.2	11.62	38.0	122.9	10.60	38.1	115.9	10.20	38.2
	45	285	147.3	13.47	38.3	137.9	12.73	38.7	133.2	11.62	38.9	122.9	10.60	39.3	115.9	10.20	39.7
	45	570	147.3	13.47	41.6	137.9	12.73	41.9	133.2	11.62	41.9	122.9	10.60	42.2	115.9	10.20	42.3
	45	855	147.3	13.47	42.8	137.9	12.73	42.9	133.2	11.62	43.0	122.9	10.60	43.1	115.9	10.20	43.2
60	5	285	125.4	26.75	0.0	117.4	25.26	0.4	114.0	23.85	0.5	104.7	21.91	0.8	96.1	19.65	1.2
	5	570	125.4	27.24	2.5	117.4	25.75	2.7	114.0	24.31	2.7	104.7	22.37	2.9	96.1	20.03	3.1
	5	855	125.4	27.48	3.4	117.4	25.99	3.5	114.0	24.59	3.5	104.7	22.58	3.6	96.1	20.28	3.7
	10	285	125.4	23.53	4.9	117.4	22.38	5.2	114.0	21.52	5.3	104.7	19.75	5.7	96.1	17.84	6.1
	10	570	125.4	23.60	7.4	117.4	22.49	7.6	114.0	21.59	7.7	104.7	19.68	7.9	96.1	17.88	8.0
	10	855	125.4	23.53	8.3	117.4	22.38	8.4	114.0	21.52	8.4	104.7	19.79	8.6	96.1	17.99	8.7
	15	285	125.4	20.31	9.7	117.4	19.54	10.1	114.0	19.19	10.2	105.2	17.60	10.6	99.2	16.04	10.8
	15	570	125.4	19.96	12.3	117.4	19.23	12.5	114.0	18.87	12.6	105.2	17.00	12.8	99.2	15.72	12.9
	15	855	125.4	19.54	13.2	117.4	18.82	13.3	114.0	18.37	13.4	105.2	17.00	13.5	99.2	15.72	13.6
	20	285	125.4	17.19	14.6	117.4	16.67	14.9	114.0	16.36	15.1	105.2	15.09	15.5	99.2	14.17	15.7
	20	570	125.4	17.19	17.3	117.4	16.46	17.5	114.0	16.68	17.6	105.2	14.49	17.7	99.2	13.53	17.8
	20	855	125.4	16.77	18.2	117.4	16.29	18.3	114.0	16.68	18.4	105.2	14.49	18.5	99.2	13.53	18.6
	25	285	126.1	15.00	19.4	118.0	14.21	19.8	114.0	14.09	20.0	105.2	12.58	20.3	99.2	11.66	20.6
	25	570	126.1	14.87	22.2	118.0	14.07	22.4	114.0	13.80	22.5	105.2	12.26	22.7	99.2	11.31	22.8
	25	855	126.1	14.28	23.1	118.0	13.58	23.2	114.0	13.80	23.3	105.2	12.26	23.4	99.2	11.31	23.5
	30	285	126.1	13.55	24.3	118.0	12.65	24.7	114.0	12.18	24.9	105.2	10.99	25.3	99.2	10.04	25.5
	30	570	126.1	13.27	27.2	118.0	12.34	27.3	114.0	11.89	27.4	105.2	10.71	27.6	99.2	10.04	27.8
	30	855	126.1	12.79	28.1	118.0	11.85	28.2	114.0	11.89	28.3	105.2	10.71	28.4	99.2	9.61	28.5
	35	285	126.1	12.34	29.3	118.0	11.43	29.6	114.0	10.92	29.8	105.2	9.75	30.2	99.2	9.12	30.5
	35	570	126.1	12.58	32.1	118.0	11.09	32.3	114.0	10.59	32.4	105.2	9.43	32.6	99.2	9.12	32.7
	35	855	126.1	11.54	33.1	118.0	11.31	33.2	114.0	10.09	33.3	105.2	9.43	33.4	99.2	9.12	33.5
	40	285	126.1	11.43	34.2	118.0	10.50	34.6	114.0	9.62	34.8	105.2	8.83	35.2	99.2	8.16	35.4
	40	570	126.1	10.78	37.1	118.0	10.19	37.3	114.0	9.30	37.4	105.2	8.48	37.6	99.2	7.88	37.7
	40	855	126.1	10.78	38.1	118.0	10.19	38.2	114.0	9.30	38.2	105.2	8.48	38.4	99.2	8.16	38.5
	45	285	126.1	10.78	39.2	118.0	10.19	39.6	114.0	9.30	39.7	105.2	8.48	40.1	99.2	8.16	40.4
	45	570	126.1	10.78	42.1	118.0	10.19	42.3	114.0	9.30	42.4	105.2	8.48	42.6	99.2	8.16	42.7
	45	855	126.1	10.78	43.1	118.0	10.19	43.2	114.0	9.30	43.2	105.2	8.48	43.4	99.2	8.16	43.5
50	5	285	104.3	21.53	0.8	97.6	20.33	1.1	94.8	19.19	1.2	87.1	17.63	1.5	79.9	15.81	1.8
	5	570	104.3	21.92	2.9	97.6	20.72	3.1	94.8	19.56	3.1	87.1	18.00	3.3	79.9	16.12	3.4
	5	855	104.3	22.11	3.6	97.6	20.91	3.7	94.8	19.79	3.7	87.1	18.17	3.8	79.9	16.32	3.9
	10	285	104.3	18.93	5.7	97.6	18.01	6.0	94.8	17.32	6.1	87.1	15.89	6.4	79.9	14.36	6.7
	10	570	104.3	18.99	7.9	97.6	18.10	8.0	94.8	17.37	8.1	87.1	15.84	8.2	79.9	14.39	8.4
	10	855	104.3	18.93	8.6	97.6	18.01	8.7	94.8	17.32	8.7	87.1	15.92	8.8	79.9	14.47	8.9
	15	285	104.3	16.34	10.6	97.6	15.73	10.9	94.8	15.44	11.0	87.5	14.16	11.3	82.5	12.91	11.5
	15	570	104.3	16.06	12.8	97.6	15.48	12.9	94.8	15.18	13.0	87.5	13.68	13.1	82.5	12.65	13.2
	15	855	104.3	15.73	13.5	97.6	15.14	13.6	94.8	14.79	13.7	87.5	13.68	13.8	82.5	12.65	13.8
	20	285	104.3	13.83	15.5	97.6	13.41	15.8	94.8	13.16	15.9	87.5	12.14	16.2	82.5	11.40	16.4
	20	570	104.3	13.83	17.7	97.6	13.24	17.9	94.8	13.42	18.0	87.5	11.66	18.1	82.5	10.89	18.2
	20	855	104.3	13.50	18.5	97.6	13.11	18.6	94.8	13.42	18.6	87.5	11.66	18.7	82.5	10.89	18.8
	25	285	104.8	12.07	20.3	98.1	11.43	20.6	94.8	11.34	20.8	87.5	10.12	21.1	82.5	9.38	21.3
	25	570	104.8	11.96	22.7	98.1	11.32	22.8	94.8	11.10	22.9	87.5	9.87	23.0	82.5	9.10	23.2
	25	855	104.8	11.49	23.4	98.1	10.93	23.5	94.8	11.10	23.6	87.5	9.87	23.7	82.5	9.10	23.8
	30	285	104.8	10.90	25.3	98.1	10.18	25.6	94.8	9.80	25.7	87.5	8.84	26.0	82.5	8.08	26.3
	30	570	104.8	10.68	27.6	98.1	9.93	27.8	94.8	9.57	27.9	87.5	8.62	28.0	82.5	8.08	28.1
	30	855	104.8	10.29	28.4	98.1	9.54	28.5	94.8	9.57	28.6	87.5	8.62	28.7	82.5	7.73	28.7
	35	285	104.8	9.93	30.2	98.1	9.20	30.5	94.8	8.79	30.7	87.5	7.85	31.0	82.5	7.34	31.2
	35	570	104.8	10.12	32.6	98.1	8.92	32.8	94.8	8.52	32.8	87.5	7.59	33.0	82.5	7.34	33.1
	35	855	104.8	9.29	33.4	98.1	9.10	33.5	94.8	8.12	33.5	87.5	7.59	33.7	82.5	7.34	33.7
	40	285	104.8	9.20	35.2	98.1	8.45	35.5	94.8	7.74	35.6	87.5	7.11	36.0	82.5	6.57	36.2
	40	570	104.8	8.67	37.6	98.1	8.20	37.7	94.8	7.48	37.8	87.5	6.82	38.0	82.5	6.34	38.1
	40	855	104.8	8.67	38.4	98.1	8.20	38.5	94.8	7.48	38.5	87.5	6.82	38.6	82.5	6.57	38.7
	45	285	104.8	8.67	40.2	98.1	8.20	40.5	94.8	7.48	40.6	87.5	6.82	40.9	82.5	6.57	41.2
	45	570	104.8	8.67	42.6	98.1	8.20	42.7	94.8	7.48	42.8	87.5	6.82	43.0	82.5	6.57	43.1
	45	855	104.8	8.67	43.4	98.1	8.20	43.5	94.8	7.48	43.5	87.5	6.82	43.6	82.5	6.57	43.7

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
100	5	285	198.0	51.07	-2.4	190.9	49.10	-2.1	184.1	47.18	-1.9	173.8	43.27	-1.6	164.0	39.36	-1.3
	5	570	200.9	51.98	1.3	192.7	49.94	1.4	184.7	48.14	1.6	173.8	44.17	1.7	164.0	40.14	1.9
	5	855	202.7	52.47	2.5	193.3	50.48	2.6	184.2	48.62	2.7	173.8	44.59	2.8	164.0	40.50	2.9
	10	285	199.2	45.70	2.3	191.5	43.93	2.6	184.1	42.55	2.9	173.8	39.00	3.2	164.0	35.70	3.5
	10	570	200.9	46.49	6.1	192.7	44.47	6.3	184.7	43.03	6.4	173.8	39.18	6.6	164.0	35.88	6.8
	10	855	202.7	46.25	7.4	193.8	44.47	7.5	185.4	42.91	7.6	173.8	39.00	7.7	164.0	35.58	7.8
	15	285	199.8	40.27	7.0	192.7	38.82	7.3	189.0	38.56	7.4	176.4	34.74	7.9	165.5	32.09	8.3
	15	570	200.9	41.06	11.0	192.7	38.94	11.1	189.0	38.56	11.2	176.4	34.25	11.4	165.5	31.55	11.6
	15	855	203.3	40.02	12.3	194.4	38.46	12.4	189.0	37.77	12.5	176.4	33.41	12.6	165.5	30.77	12.7
	20	285	201.5	34.41	11.6	193.3	32.93	11.9	189.0	32.58	12.1	176.4	29.45	12.6	165.5	27.82	13.1
	20	570	204.5	34.70	15.7	193.8	33.23	16.0	189.0	32.58	16.1	176.4	29.45	16.3	165.5	26.74	16.5
	20	855	206.3	34.11	17.1	196.8	32.63	17.2	189.0	31.73	17.4	176.4	28.06	17.5	165.5	25.96	17.7
	25	285	203.9	30.02	16.3	196.2	28.43	16.6	189.0	27.70	16.9	176.4	24.64	17.4	165.5	22.48	17.8
	25	570	206.9	30.08	20.6	196.2	27.82	20.8	189.0	27.15	20.9	176.4	24.10	21.2	165.5	22.48	21.4
	25	855	208.6	29.10	22.0	196.2	27.52	22.2	189.0	26.36	22.3	176.4	24.10	22.4	165.5	21.63	22.6
	30	285	208.0	27.15	20.9	196.2	24.64	21.4	189.0	23.37	21.7	176.4	20.85	22.2	165.5	19.83	22.7
	30	570	208.0	26.60	25.4	196.2	24.10	25.7	189.0	23.12	25.8	176.4	20.85	26.1	165.5	19.23	26.3
	30	855	208.0	25.81	26.9	196.2	24.10	27.1	189.0	22.64	27.2	176.4	20.01	27.4	165.5	19.23	27.5
	35	285	208.0	25.01	25.8	196.2	22.48	26.3	189.0	20.62	26.5	176.4	18.69	27.1	165.5	17.07	27.5
	35	570	208.0	23.86	30.4	196.2	21.39	30.6	189.0	20.38	30.8	176.4	18.21	31.0	165.5	16.59	31.3
	35	855	208.0	23.86	31.9	196.2	21.39	32.1	189.0	19.95	32.2	176.4	18.21	32.3	165.5	16.59	32.5
	40	285	208.0	23.37	30.7	196.2	20.85	31.2	189.0	18.49	31.4	176.4	16.59	32.0	165.5	15.50	32.5
	40	570	208.0	22.27	35.3	196.2	19.83	35.6	189.0	18.24	35.7	176.4	16.05	36.0	165.5	15.02	36.2
	40	855	208.0	21.48	36.9	196.2	19.83	37.0	189.0	17.75	37.1	176.4	16.05	37.3	165.5	15.02	37.5
	45	285	208.0	21.72	35.6	196.2	19.23	36.1	189.0	16.29	36.3	176.4	14.42	36.9	165.5	13.88	37.4
	45	570	208.0	20.62	40.3	196.2	18.21	40.5	189.0	16.05	40.7	176.4	13.88	40.9	165.5	13.40	41.2
	45	855	208.0	19.04	41.8	196.2	18.21	42.0	189.0	15.56	42.1	176.4	13.88	42.3	165.5	13.40	42.5
90	5	285	178.0	48.59	-1.5	172.1	45.88	-1.3	166.8	43.32	-1.2	153.2	39.79	-0.7	140.7	35.68	-0.3
	5	570	179.2	49.47	1.7	171.5	46.76	1.9	166.8	44.16	1.9	153.2	40.63	2.2	140.7	36.39	2.4
	5	855	180.4	49.91	2.8	172.7	47.20	2.9	166.8	44.67	3.0	153.2	41.01	3.1	140.7	36.84	3.3
	10	285	179.2	42.74	3.1	172.7	40.66	3.4	166.8	39.09	3.6	153.2	35.88	4.1	140.7	32.41	4.6
	10	570	178.6	42.86	6.6	172.1	40.85	6.7	166.8	39.21	6.8	153.2	35.75	7.0	140.7	32.48	7.3
	10	855	180.4	42.74	7.7	172.7	40.66	7.8	166.8	39.09	7.9	153.2	35.94	8.0	140.7	32.67	8.2
	15	285	179.8	36.88	7.8	173.3	35.50	8.1	166.8	34.85	8.4	156.2	31.96	8.8	148.5	29.14	9.0
	15	570	178.6	36.25	11.4	172.1	34.93	11.6	166.8	34.27	11.7	156.2	30.87	11.8	148.5	28.56	12.0
	15	855	180.4	35.50	12.6	172.7	34.18	12.7	166.8	33.37	12.8	156.2	30.87	12.9	148.5	28.56	13.0
	20	285	181.0	31.22	12.5	173.9	30.27	12.8	166.8	29.72	13.1	156.2	27.41	13.5	148.5	25.74	13.8
	20	570	180.4	31.22	16.2	172.7	29.90	16.4	170.1	29.71	16.5	156.2	26.31	16.7	148.5	24.58	16.9
	20	855	181.0	30.46	17.5	173.3	29.58	17.6	170.1	29.71	17.6	156.2	26.31	17.8	148.5	24.58	17.9
	25	285	184.5	27.25	17.1	176.2	25.81	17.4	170.1	25.59	17.7	156.2	22.85	18.3	148.5	21.18	18.6
	25	570	186.3	27.00	21.0	176.2	25.55	21.2	170.1	25.07	21.4	156.2	22.27	21.6	148.5	20.54	21.8
	25	855	187.4	25.93	22.3	176.2	24.67	22.5	170.1	25.07	22.6	156.2	22.27	22.8	148.5	20.54	22.9
	30	285	186.9	24.61	21.8	176.2	22.97	22.3	170.1	22.12	22.6	156.2	19.96	23.1	148.5	18.23	23.4
	30	570	186.9	24.11	25.9	176.2	22.41	26.1	170.1	21.60	26.3	156.2	19.45	26.6	148.5	18.23	26.7
	30	855	186.9	23.22	27.3	176.2	21.53	27.4	170.1	21.60	27.5	156.2	19.45	27.7	148.5	17.46	27.8
	35	285	186.9	22.41	26.7	176.2	20.77	27.2	170.1	19.83	27.4	156.2	17.71	28.0	148.5	16.56	28.4
	35	570	186.9	22.85	30.9	176.2	20.14	31.1	170.1	19.24	31.2	156.2	17.14	31.5	148.5	16.56	31.7
	35	855	186.9	20.96	32.2	176.2	20.54	32.4	170.1	18.33	32.5	156.2	17.14	32.7	148.5	16.56	32.8
	40	285	186.9	20.77	31.6	176.2	19.07	32.1	170.1	17.47	32.3	156.2	16.05	33.0	148.5	14.83	33.3
	40	570	186.9	19.57	35.8	176.2	18.50	36.0	170.1	16.89	36.1	156.2	15.40	36.5	148.5	14.31	36.6
	40	855	186.9	19.57	37.2	176.2	18.50	37.4	170.1	16.89	37.4	156.2	15.40	37.6	148.5	14.83	37.8
	45	285	186.9	19.07	36.6	176.2	17.37	37.0	170.1	15.12	37.2	156.2	14.31	37.9	148.5	13.09	38.2
	45	570	186.9	17.37	40.7	176.2	16.80	41.0	170.1	14.59	41.1	156.2	13.73	41.4	148.5	12.58	41.6
	45	855	186.9	19.96	42.2	176.2	17.69	42.3	170.1	15.38	42.4	156.2	13.73	42.6	148.5	12.58	42.7
80	5	285	168.4	39.76	-1.5	157.7	37.55	-1.0	153.1	35.45	-0.9	140.6	32.56	-0.4	129.1	29.20	0.0
	5	570	168.4	40.48	1.8	157.7	38.27	2.0	153.1	36.13	2.1	140.6	33.24	2.3	129.1	29.78	2.5
	5	855	168.4	40.84	2.9	157.7	38.63	3.0	153.1	36.55	3.0	140.6	33.56	3.2	129.1	30.15	3.3
	10	285	168.4	34.97	3.3	157.7	33.27	3.7	153.1	31.98	3.9	140.6	29.36	4.4	129.1	26.52	4.8
	10	570	168.4	35.07	6.6	157.7	33.43	6.9	153.1	32.09	7.0	140.6	29.25	7.2	129.1	26.57	7.4
	10	855	168.4	34.97	7.8	157.7	33.27	7.9	153.1	31.98	8.0	140.6	29.41	8.1	129.1	26.73	8.3
	15	285	168.4	30.18	8.0	157.7	29.05	8.5	153.1	28.52	8.7	141.3	26.15	9.2	133.2	23.84	9.5
	15	570	168.4	29.67	11.5	157.7	28.58	11.8	153.1	28.05	11.9	141.3	25.26	12.1	133.2	23.37	12.2
	15	855	168.4	29.05	12.7	157.7	27.97	12.8	153.1	27.31	12.9	141.3	25.26	13.1	133.2	23.37	13.2
	20	285	168.4	25.55	12.8	157.7	24.77	13.3	153.1	24.32	13.5	141.3	22.43	14.0	133.2	21.06	14.4
	20	570	168.4	25.55	16.4	157.7	24.46	16.7	153.1	24.79	16.8	141.3	21.53	17.0	133.2	20.11	17.2
	20	855	168.4	24.93	17.6	157.7	24.21	17.8	153.1	24.79	17.8	141.3	21.53	18.0	133.2	20.11	18.1
	25	285	169.3	22.30	17.6	158.4	21.12	18.1	153.1	20.94	18.4	141.3	18.70	18.8	133.2	17.33	19.2
	25	570	169.3	22.09	21.3	158.4	20.91	21.5	153.1	20.51	21.7	141.3	18.22	21.9	133.2	16.81	22.1
	25	855	169.3	21.22	22.5	158.4	20.19	22.7	153.1	20.51	22.8	141.3	18.22	22.9	133.2	16.81	23.0
	30	285	169.3	20.14	22.5	158.4	18.80	23.0	153.1	18.10	23.2	141.3	16.33	23.7	133.2	14.92	24.1
	30	570	169.3	19.73	26.2	158.4	18.34	26.5	153.1	17.67	26.6	141.3	15.91	26.8	133.2	14.92	27.0
	30	855	169.3	19.00	27.5	158.4	17.61	27.6	153.1	17.67	27.7	141.3	15.91	27.9	133.2	14.29	28.0
	35	285	169.3	18.34	27.4	158.4	17.00	27.9	153.1	16.23	28.1	141.3	14.50	28.6	133.2	13.55	29.0
	35	570	169.3	18.70	31.2	158.4	16.48	31.4	153.1	15.75	31.5	141.3	14.02	31.8	133.2	13.55	32.0
	35	855	169.3	17.15	32.4	158.4	16.81	32.6	153.1	15.00	32.7	141.3	14.02	32.9	133.2	13.55	33.0
	40	285	169.3	17.00	32.3	158.4	15.61	32.8	153.1	14.30	33.0	141.3	13.13	33.6	133.2	12.13	33.9
	40	570	169.3	16.02	36.1	158.4	15.14	36.4	153.1	13.82	36.5	141.3	12.60	36.8	133.2	11.71	36.9
	40	855	169.3	16.02	37.4	158.4	15.14	37.6	153.1	13.82	37.7	141.3	12.60	37.8	133.2	12.13	38.0
	45	285	169.3	16.02	37.3	158.4	15.14	37.8	153.1	13.82	38.0	141.3	12.60	38.5	133.2	12.13	38.9
	45	570	169.3	16.02	41.1	158.4	15.14	41.4	153.1	13.82	41.5	141.3	12.60	41.8	133.2	12.13	42.0
	45	855	169.3	16.02	42.4	158.4	15.14	42.6	153.1	13.82	42.7	141.3	12.60	42.8	133.2	12.13	43.0

12. Capacity Table

TC : Total Capacity, PI : Power Input, LWT : Leaving Water Temperature

Combi. (%)	Inlet Water Temp. (°C)	Water Flow Rate (LPM)	Indoor Temperature(°C, DB)														
			16			18			20			22			24		
			TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT	TC	PI	LWT
70	5	285	146.5	33.44	-0.7	137.2	31.58	-0.3	133.2	29.81	-0.2	122.3	27.38	0.2	112.3	24.56	0.6
	5	570	146.5	34.04	2.2	137.2	32.18	2.4	133.2	30.39	2.4	122.3	27.96	2.6	112.3	25.04	2.8
	5	855	146.5	34.35	3.1	137.2	32.49	3.2	133.2	30.74	3.3	122.3	28.22	3.4	112.3	25.35	3.5
	10	285	146.5	29.41	4.1	137.2	27.98	4.5	133.2	26.90	4.7	122.3	24.69	5.1	112.3	22.31	5.5
	10	570	146.5	29.50	7.1	137.2	28.11	7.3	133.2	26.99	7.3	122.3	24.60	7.5	112.3	22.35	7.7
	10	855	146.5	29.41	8.0	137.2	27.98	8.2	133.2	26.90	8.2	122.3	24.73	8.4	112.3	22.48	8.5
	15	285	146.5	25.38	8.9	137.2	24.43	9.3	133.2	23.98	9.5	122.9	22.00	9.9	115.9	20.05	10.2
	15	570	146.5	24.95	11.9	137.2	24.04	12.2	133.2	23.59	12.2	122.9	21.24	12.4	115.9	19.65	12.6
	15	855	146.5	24.43	13.0	137.2	23.52	13.1	133.2	22.97	13.2	122.9	21.24	13.3	115.9	19.65	13.4
	20	285	146.5	21.48	13.7	137.2	20.83	14.1	133.2	20.45	14.3	122.9	18.86	14.8	115.9	17.71	15.1
	20	570	146.5	21.48	16.9	137.2	20.57	17.1	133.2	20.85	17.2	122.9	18.11	17.4	115.9	16.92	17.5
	20	855	146.5	20.96	17.9	137.2	20.36	18.0	133.2	20.85	18.1	122.9	18.11	18.2	115.9	16.92	18.3
	25	285	147.3	18.76	18.5	137.9	17.76	19.0	133.2	17.61	19.2	122.9	15.72	19.6	115.9	14.58	19.9
	25	570	147.3	18.58	21.8	137.9	17.59	22.0	133.2	17.25	22.1	122.9	15.33	22.3	115.9	14.13	22.4
	25	855	147.3	17.85	22.8	137.9	16.98	23.0	133.2	17.25	23.1	122.9	15.33	23.2	115.9	14.13	23.3
	30	285	147.3	16.94	23.4	137.9	15.81	23.9	133.2	15.22	24.1	122.9	13.74	24.5	115.9	12.54	24.8
	30	570	147.3	16.59	26.7	137.9	15.42	26.9	133.2	14.86	27.0	122.9	13.38	27.2	115.9	12.54	27.4
	30	855	147.3	15.98	27.8	137.9	14.81	27.9	133.2	14.86	28.0	122.9	13.38	28.2	115.9	12.01	28.3
	35	285	147.3	15.42	28.4	137.9	14.29	28.8	133.2	13.65	29.0	122.9	12.19	29.4	115.9	11.40	29.7
	35	570	147.3	15.72	31.7	137.9	13.86	31.9	133.2	13.24	32.0	122.9	11.79	32.2	115.9	11.40	32.4
	35	855	147.3	14.42	32.8	137.9	14.13	32.9	133.2	12.61	33.0	122.9	11.79	33.1	115.9	11.40	33.2
	40	285	147.3	14.29	33.3	137.9	13.12	33.7	133.2	12.03	33.9	122.9	11.04	34.4	115.9	10.20	34.7
	40	570	147.3	13.47	36.6	137.9	12.73	36.9	133.2	11.62	36.9	122.9	10.60	37.2	115.9	9.85	37.3
	40	855	147.3	13.47	37.8	137.9	12.73	37.9	133.2	11.62	38.0	122.9	10.60	38.1	115.9	10.20	38.2
	45	285	147.3	13.47	38.3	137.9	12.73	38.7	133.2	11.62	38.9	122.9	10.60	39.3	115.9	10.20	39.7
	45	570	147.3	13.47	41.6	137.9	12.73	41.9	133.2	11.62	41.9	122.9	10.60	42.2	115.9	10.20	42.3
	45	855	147.3	13.47	42.8	137.9	12.73	42.9	133.2	11.62	43.0	122.9	10.60	43.1	115.9	10.20	43.2
60	5	285	125.4	26.75	0.0	117.4	25.26	0.4	114.0	23.85	0.5	104.7	21.91	0.8	96.1	19.65	1.2
	5	570	125.4	27.24	2.5	117.4	25.75	2.7	114.0	24.31	2.7	104.7	22.37	2.9	96.1	20.03	3.1
	5	855	125.4	27.48	3.4	117.4	25.99	3.5	114.0	24.59	3.5	104.7	22.58	3.6	96.1	20.28	3.7
	10	285	125.4	23.53	4.9	117.4	22.38	5.2	114.0	21.52	5.3	104.7	19.75	5.7	96.1	17.84	6.1
	10	570	125.4	23.60	7.4	117.4	22.49	7.6	114.0	21.59	7.7	104.7	19.68	7.9	96.1	17.88	8.0
	10	855	125.4	23.53	8.3	117.4	22.38	8.4	114.0	21.52	8.4	104.7	19.79	8.6	96.1	17.99	8.7
	15	285	125.4	20.31	9.7	117.4	19.54	10.1	114.0	19.19	10.2	105.2	17.60	10.6	99.2	16.04	10.8
	15	570	125.4	19.96	12.3	117.4	19.23	12.5	114.0	18.87	12.6	105.2	17.00	12.8	99.2	15.72	12.9
	15	855	125.4	19.54	13.2	117.4	18.82	13.3	114.0	18.37	13.4	105.2	17.00	13.5	99.2	15.72	13.6
	20	285	125.4	17.19	14.6	117.4	16.67	14.9	114.0	16.36	15.1	105.2	15.09	15.5	99.2	14.17	15.7
	20	570	125.4	17.19	17.3	117.4	16.46	17.5	114.0	16.68	17.6	105.2	14.49	17.7	99.2	13.53	17.8
	20	855	125.4	16.77	18.2	117.4	16.29	18.3	114.0	16.68	18.4	105.2	14.49	18.5	99.2	13.53	18.6
	25	285	126.1	15.00	19.4	118.0	14.21	19.8	114.0	14.09	20.0	105.2	12.58	20.3	99.2	11.66	20.6
	25	570	126.1	14.87	22.2	118.0	14.07	22.4	114.0	13.80	22.5	105.2	12.26	22.7	99.2	11.31	22.8
	25	855	126.1	14.28	23.1	118.0	13.58	23.2	114.0	13.80	23.3	105.2	12.26	23.4	99.2	11.31	23.5
	30	285	126.1	13.55	24.3	118.0	12.65	24.7	114.0	12.18	24.9	105.2	10.99	25.3	99.2	10.04	25.5
	30	570	126.1	13.27	27.2	118.0	12.34	27.3	114.0	11.89	27.4	105.2	10.71	27.6	99.2	10.04	27.8
	30	855	126.1	12.79	28.1	118.0	11.85	28.2	114.0	11.89	28.3	105.2	10.71	28.4	99.2	9.61	28.5
	35	285	126.1	12.34	29.3	118.0	11.43	29.6	114.0	10.92	29.8	105.2	9.75	30.2	99.2	9.12	30.5
	35	570	126.1	12.58	32.1	118.0	11.09	32.3	114.0	10.59	32.4	105.2	9.43	32.6	99.2	9.12	32.7
	35	855	126.1	11.54	33.1	118.0	11.31	33.2	114.0	10.09	33.3	105.2	9.43	33.4	99.2	9.12	33.5
	40	285	126.1	11.43	34.2	118.0	10.50	34.6	114.0	9.62	34.8	105.2	8.83	35.2	99.2	8.16	35.4
	40	570	126.1	10.78	37.1	118.0	10.19	37.3	114.0	9.30	37.4	105.2	8.48	37.6	99.2	7.88	37.7
	40	855	126.1	10.78	38.1	118.0	10.19	38.2	114.0	9.30	38.2	105.2	8.48	38.4	99.2	8.16	38.5
	45	285	126.1	10.78	39.2	118.0	10.19	39.6	114.0	9.30	39.7	105.2	8.48	40.1	99.2	8.16	40.4
	45	570	126.1	10.78	42.1	118.0	10.19	42.3	114.0	9.30	42.4	105.2	8.48	42.6	99.2	8.16	42.7
	45	855	126.1	10.78	43.1	118.0	10.19	43.2	114.0	9.30	43.2	105.2	8.48	43.4	99.2	8.16	43.5
50	5	285	104.3	21.53	0.8	97.6	20.33	1.1	94.8	19.19	1.2	87.1	17.63	1.5	79.9	15.81	1.8
	5	570	104.3	21.92	2.9	97.6	20.72	3.1	94.8	19.56	3.1	87.1	18.00	3.3	79.9	16.12	3.4
	5	855	104.3	22.11	3.6	97.6	20.91	3.7	94.8	19.79	3.7	87.1	18.17	3.8	79.9	16.32	3.9
	10	285	104.3	18.93	5.7	97.6	18.01	6.0	94.8	17.32	6.1	87.1	15.89	6.4	79.9	14.36	6.7
	10	570	104.3	18.99	7.9	97.6	18.10	8.0	94.8	17.37	8.1	87.1	15.84	8.2	79.9	14.39	8.4
	10	855	104.3	18.93	8.6	97.6	18.01	8.7	94.8	17.32	8.7	87.1	15.92	8.8	79.9	14.47	8.9
	15	285	104.3	16.34	10.6	97.6	15.73	10.9	94.8	15.44	11.0	87.5	14.16	11.3	82.5	12.91	11.5
	15	570	104.3	16.06	12.8	97.6	15.48	12.9	94.8	15.18	13.0	87.5	13.68	13.1	82.5	12.65	13.2
	15	855	104.3	15.73	13.5	97.6	15.14	13.6	94.8	14.79	13.7	87.5	13.68	13.8	82.5	12.65	13.8
	20	285	104.3	13.83	15.5	97.6	13.41	15.8	94.8	13.16	15.9	87.5	12.14	16.2	82.5	11.40	16.4
	20	570	104.3	13.83	17.7	97.6	13.24	17.9	94.8	13.42	18.0	87.5	11.66	18.1	82.5	10.89	18.2
	20	855	104.3	13.50	18.5	97.6	13.11	18.6	94.8	13.42	18.6	87.5	11.66	18.7	82.5	10.89	18.8
	25	285	104.8	12.07	20.3	98.1	11.43	20.6	94.8	11.34	20.8	87.5	10.12	21.1	82.5	9.38	21.3
	25	570	104.8	11.96	22.7	98.1	11.32	22.8	94.8	11.10	22.9	87.5	9.87	23.0	82.5	9.10	23.2
	25	855	104.8	11.49	23.4	98.1	10.93	23.5	94.8	11.10	23.6	87.5	9.87	23.7	82.5	9.10	23.8
	30	285	104.8	10.90	25.3	98.1	10.18	25.6	94.8	9.80	25.7	87.5	8.84	26.0	82.5	8.08	26.3
	30	570	104.8	10.68	27.6	98.1	9.93	27.8	94.8	9.57	27.9	87.5	8.62	28.0	82.5	8.08	28.1
	30	855	104.8	10.29	28.4	98.1	9.54	28.5	94.8	9.57	28.6	87.5	8.62	28.7	82.5	7.73	28.7
	35	285	104.8	9.93	30.2	98.1	9.20	30.5	94.8	8.79	30.7	87.5	7.85	31.0	82.5	7.34	31.2
	35	570	104.8	10.12	32.6	98.1	8.92	32.8	94.8	8.52	32.8	87.5	7.59	33.0	82.5	7.34	33.1
	35	855	104.8	9.29	33.4	98.1	9.10	33.5	94.8	8.12	33.5	87.5	7.59	33.7	82.5	7.34	33.7
	40	285	104.8	9.20	35.2	98.1	8.45	35.5	94.8	7.74	35.6	87.5	7.11	36.0	82.5	6.57	36.2
	40	570	104.8	8.67	37.6	98.1	8.20	37.7	94.8	7.48	37.8	87.5	6.82	38.0	82.5	6.34	38.1
	40	855	104.8	8.67	38.4	98.1	8.20	38.5	94.8	7.48	38.5	87.5	6.82	38.6	82.5	6.57	38.7
	45	285	104.8	8.67	40.2	98.1	8.20	40.5	94.8	7.48	40.6	87.5	6.82	40.9	82.5	6.57	41.2
	45	570	104.8	8.67	42.6	98.1	8.20	42.7	94.8	7.48	42.8	87.5	6.82	43.0	82.5	6.57	43.1
	45	855	104.8	8.67	43.4	98.1	8.20	43.5	94.8	7.48	43.5	87.5	6.82	43.6	82.5	6.57	43.7

13. Capacity Correction

13-1. Capacity correction factor

1. Correction coefficient(α) represents the capacity change rate of the system during the maximum load operation in the standard condition. (The correction coefficient(α) value is not much different from that of the standard condition.)

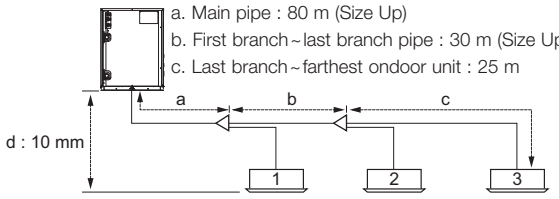
2. When the equivalent length of main pipe is 90m or more between the outdoor unit and the farthest indoor unit, the diameter of the main gas and liquid pipes must be increased by one grade larger.

3. When the pipe length after the first refrigerant branch kit is 45m or more, the diameter of the gas and liquid pipes between first and final branch kit must be increased by one grade larger.

4. In this cases, correction coefficient(α) is measured as below based on the overall equivalent length.
→ The overall equivalent length = (Equivalent length of main pipe x correction factor)
+ (Equivalent length of first branch ~ last branch pipe x correction factor)
+ (Equivalent length of last branch ~ farthest indoor unit)

	Correction Factor	
	Standard Size	Size Increase
Cooling	1	0.5
Heating	1	0.2

ex) When the condition is System 8HP



① Cooling : The overall equivalent length = 80 x 0.5 + 30 x 0.5 + 25 = 80m
② Heating : The overall equivalent length = 80 x 0.2 + 30 x 0.2 + 25 = 47m
Heating correction coefficient(α) = 0.97

5. The correction coefficient(α) can be reduced according to the condition of pipe insulation.

1) AM080FXWANR✳✳✳

(1) Cooling

			Pipe Length (m)																
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.92	0.91	0.90	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.81	0.80	0.79
	40	-	-	-	-	0.94	0.92	0.91	0.90	0.88	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.80	0.79
	30	-	-	-	0.95	0.94	0.93	0.91	0.90	0.89	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.79
	20	-	-	0.97	0.96	0.94	0.93	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80
	10	-	0.98	0.97	0.96	0.94	0.93	0.92	0.90	0.89	0.89	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.80
	0	0.99	0.99	0.97	0.96	0.95	0.93	0.92	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.82	0.81	0.80
	-10	-	0.99	0.97	0.96	0.95	0.93	0.92	0.91	0.89	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.81	0.80
	-20	-	-	0.98	0.96	0.95	0.94	0.92	0.91	0.90	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.80
	-30	-	-	-	0.97	0.95	0.94	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81
	-40	-	-	-	-	0.95	0.94	0.93	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.81

(2) Heating

			Pipe Length (m)																
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	40	-	-	-	-	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	30	-	-	-	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	20	-	-	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	10	-	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	0	1.00	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	-10	-	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	-20	-	-	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	-30	-	-	-	0.98	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	-40	-	-	-	-	0.97	0.97	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13. Capacity Correction

2) AM100FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.94	0.93	0.92	0.91	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	40	-	-	-	-	0.95	0.94	0.93	0.92	0.91	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.85
	30	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85
	20	-	-	0.98	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	0.85
	10	-	0.99	0.98	0.97	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	0.85
	0	0.99	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85
	-10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86
	-20	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86
	-30	-	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86
	-40	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93
	40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93
	30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93
	20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93
	10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93
	0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93
	-10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93
	-20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93
	-30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93
	-40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

3) AM120FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.88	0.88
	40	-	-	-	-	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88
	30	-	-	-	0.97	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88
	20	-	-	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.88
	10	-	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	0	1.00	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	-10	-	1.00	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89
	-20	-	-	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89
	-30	-	-	-	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89
	-40	-	-	-	-	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	0	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13. Capacity Correction

4) AM160FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.95	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89	0.88
	40	-	-	-	-	0.96	0.96	0.95	0.94	0.93	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88
	30	-	-	-	0.97	0.96	0.96	0.95	0.94	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.88
	20	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.88
	10	-	0.99	0.98	0.98	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	0	0.99	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.90	0.89
	-10	-	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89
	-20	-	-	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89
	-30	-	-	-	0.98	0.98	0.97	0.96	0.95	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89
	-40	-	-	-	-	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	0	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

5) AM180FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.94	0.94	0.93	0.92	0.92	0.91	0.9	0.89	0.88	0.88	0.87	0.86	0.85
	40	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.9	0.89	0.89	0.88	0.87	0.86	0.85
	30	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.9	0.9	0.89	0.88	0.87	0.86	0.86
	20	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.91	0.9	0.89	0.88	0.87	0.87	0.86
	10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.9	0.89	0.88	0.88	0.87	0.86
	0	0.99	0.99	0.98	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.9	0.89	0.89	0.88	0.87	0.86
	-10	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.9	0.9	0.89	0.88	0.87	0.86
	-20	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.9	0.89	0.88	0.87	0.87
	-30	-	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.9	0.89	0.88	0.88	0.87
	-40	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.93	0.93	0.92	0.91	0.9	0.89	0.89	0.88	0.87

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93
	40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93
	30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93
	20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93
	10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93
	0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93
	-10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93
	-20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93
	-30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93
	-40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13. Capacity Correction

6) AM200FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.93	0.92	0.91	0.9	0.9	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
	40	-	-	-	-	0.95	0.94	0.93	0.91	0.9	0.9	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
	30	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.9	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	20	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.9	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	10	-	0.99	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.9	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	0	0.99	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.91	0.9	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	-10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.92	0.91	0.91	0.9	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	-20	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.9	0.89	0.88	0.87	0.86	0.85	0.84
	-30	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.9	0.89	0.88	0.87	0.86	0.85	0.84
	-40	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.9	0.89	0.88	0.87	0.86	0.85	0.84

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	40	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	30	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	20	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	10	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	0	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-10	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-20	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-30	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-40	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92

※ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

7) AM220FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.92	0.91	0.9	0.88	0.88	0.87	0.86	0.85	0.84	0.83	0.81	0.8	0.79
	40	-	-	-	-	0.94	0.93	0.91	0.9	0.89	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.8	0.79
	30	-	-	-	0.95	0.94	0.93	0.92	0.9	0.89	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.79
	20	-	-	0.97	0.96	0.94	0.93	0.92	0.9	0.89	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.80
	10	-	0.98	0.97	0.96	0.95	0.93	0.92	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.80
	0	0.99	0.99	0.97	0.96	0.95	0.93	0.92	0.91	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.82	0.81	0.80
	-10	-	0.99	0.98	0.96	0.95	0.94	0.92	0.91	0.9	0.9	0.88	0.87	0.86	0.85	0.84	0.83	0.81	0.80
	-20	-	-	0.98	0.96	0.95	0.94	0.92	0.91	0.9	0.9	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.80
	-30	-	-	-	0.97	0.95	0.94	0.93	0.91	0.9	0.9	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81
	-40	-	-	-	-	0.96	0.94	0.93	0.92	0.9	0.9	0.89	0.88	0.87	0.86	0.84	0.83	0.82	0.81

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	40	-	-	-	-	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	30	-	-	-	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	20	-	-	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	10	-	0.99	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	0	1.00	0.99	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	-10	-	0.99	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	-20	-	-	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	-30	-	-	-	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90
	-40	-	-	-	-	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90

※ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13. Capacity Correction

8) AM240FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.91	0.9	0.88	0.87	0.87	0.85	0.84	0.82	0.81	0.8	0.78	0.77	0.76
	40	-	-	-	-	0.93	0.91	0.9	0.88	0.87	0.87	0.85	0.84	0.83	0.81	0.8	0.79	0.77	0.76
	30	-	-	-	0.95	0.93	0.92	0.9	0.89	0.87	0.87	0.86	0.84	0.83	0.82	0.8	0.79	0.77	0.76
	20	-	-	0.97	0.95	0.93	0.92	0.9	0.89	0.87	0.87	0.86	0.84	0.83	0.82	0.8	0.79	0.78	0.76
	10	-	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.87	0.87	0.86	0.85	0.83	0.82	0.81	0.79	0.78	0.76
	0	0.99	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.88	0.86	0.85	0.83	0.82	0.81	0.79	0.78	0.77
	-10	-	0.99	0.97	0.96	0.94	0.92	0.91	0.89	0.88	0.88	0.86	0.85	0.84	0.82	0.81	0.8	0.78	0.77
	-20	-	-	0.97	0.96	0.94	0.93	0.91	0.9	0.88	0.88	0.87	0.85	0.84	0.83	0.81	0.8	0.78	0.77
	-30	-	-	-	0.96	0.94	0.93	0.91	0.9	0.88	0.88	0.87	0.85	0.84	0.83	0.81	0.8	0.79	0.77
	-40	-	-	-	-	0.95	0.93	0.92	0.9	0.88	0.88	0.87	0.86	0.84	0.83	0.82	0.8	0.79	0.77

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	40	-	-	-	-	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	30	-	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	20	-	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	10	-	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	0	0.99	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	-10	-	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	-20	-	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	-30	-	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	-40	-	-	-	-	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

9) AM260FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.96	0.95	0.94	0.93	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88
	40	-	-	-	-	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.88
	30	-	-	-	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89	0.89
	20	-	-	0.98	0.98	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	10	-	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89
	0	0.99	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89
	-10	-	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89
	-20	-	-	0.99	0.98	0.98	0.97	0.96	0.95	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.90
	-30	-	-	-	0.98	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90
	-40	-	-	-	-	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	0	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95
	-40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13. Capacity Correction

10) AM280FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.9	0.9	0.89	0.88	0.87	0.87
	40	-	-	-	-	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.9	0.9	0.89	0.88	0.88	0.87
	30	-	-	-	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.9	0.89	0.88	0.88	0.87
	20	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.9	0.89	0.89	0.88	0.87
	10	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.93	0.93	0.92	0.91	0.9	0.9	0.89	0.88	0.87
	0	0.99	0.99	0.98	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.9	0.89	0.88	0.88
	-10	-	0.99	0.99	0.98	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.9	0.89	0.89	0.88
	-20	-	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.9	0.89	0.89	0.88
	-30	-	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.9	0.9	0.89	0.88
	-40	-	-	-	-	0.98	0.97	0.96	0.95	0.94	0.94	0.94	0.93	0.92	0.91	0.91	0.9	0.89	0.88

(2) Heating

		Pipe Length (m)																
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94
	40	-	-	-	-	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94
	30	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94
	20	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94
	10	-	1.00	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94
	0	1.00	1.00	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94
	-10	-	1.00	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94
	-20	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94
	-30	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94
	-40	-	-	-	-	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

11) AM300FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.94	0.94	0.93	0.92	0.92	0.91	0.9	0.89	0.88	0.87	0.87	0.86	0.85
	40	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.9	0.89	0.88	0.88	0.87	0.86	0.85
	30	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.9	0.89	0.89	0.88	0.87	0.86	0.85
	20	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.91	0.9	0.89	0.88	0.87	0.86	0.86
	10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.9	0.89	0.88	0.87	0.87	0.86
	0	0.99	0.99	0.98	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.9	0.89	0.88	0.88	0.87	0.86
	-10	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.9	0.89	0.89	0.88	0.87	0.86
	-20	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.9	0.9	0.89	0.88	0.87	0.86
	-30	-	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.9	0.89	0.88	0.87	0.87
	-40	-	-	-	-	0.97	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.9	0.89	0.88	0.88	0.87

(2) Heating

		Pipe Length (m)																
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
	40	-	-	-	-	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
	30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
	20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
	10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
	0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
	-10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
	-20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
	-30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
	-40	-	-	-	-	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13. Capacity Correction

12) AM320FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.88
	40	-	-	-	-	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.89
	30	-	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	20	-	-	0.98	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.90	0.90	0.89
	10	-	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89
	0	1.00	0.99	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89
	-10	-	1.00	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.90
	-20	-	-	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90
	-30	-	-	-	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90
	-40	-	-	-	-	0.98	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95
	40	-	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95
	30	-	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95
	20	-	-	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95
	10	-	1.00	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95
	0	1.00	1.00	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95
	-10	-	1.00	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95
	-20	-	-	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95
	-30	-	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95
	-40	-	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13) AM340FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88	0.87
	40	-	-	-	-	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.89	0.88	0.87
	30	-	-	-	0.97	0.97	0.96	0.95	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.88	0.88
	20	-	-	0.98	0.98	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88
	10	-	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.89	0.88
	0	0.99	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89	0.88
	-10	-	1.00	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.90	0.89	0.88
	-20	-	-	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.89
	-30	-	-	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.89
	-40	-	-	-	-	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.89

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94
	40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94
	30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94
	20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94
	10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94
	0	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94
	-10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94
	-20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94
	-30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94
	-40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13. Capacity Correction

14) AM360FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.87	0.86
	40	-	-	-	-	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.88	0.87	0.86
	30	-	-	-	0.97	0.96	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
	20	-	-	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86
	10	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.87
	0	0.99	0.99	0.98	0.98	0.97	0.96	0.95	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.88	0.87
	-10	-	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.89	0.88	0.87
	-20	-	-	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87
	-30	-	-	-	0.98	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87
	-40	-	-	-	-	0.98	0.97	0.96	0.95	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.88

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94
	40	-	-	-	-	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94
	30	-	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94
	20	-	-	0.99	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94
	10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94
	0	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94
	-10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94
	-20	-	-	0.99	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94
	-30	-	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94
	-40	-	-	-	-	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

15) AM380FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.85
	40	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85
	30	-	-	-	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85
	20	-	-	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.85
	10	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85
	0	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.86
	-10	-	0.99	0.98	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86
	-20	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86
	-30	-	-	-	0.98	0.97	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86
	-40	-	-	-	-	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93
	40	-	-	-	-	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93
	30	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93
	20	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93
	10	-	1.00	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93
	0	1.00	1.00	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93
	-10	-	1.00	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93
	-20	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93
	-30	-	-	-	0.99	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93
	-40	-	-	-	-	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13. Capacity Correction

16) AM400FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	40	-	-	-	-	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	30	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	20	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84
	10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.85	0.84
	0	0.99	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	-10	-	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	-20	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	-30	-	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85
	-40	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92
	40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92
	30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92
	20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92
	10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92
	0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92
	-10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92
	-20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92
	-30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92
	-40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

17) AM420FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
	40	-	-	-	-	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
	30	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
	20	-	-	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
	10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82
	0	0.99	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	-10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	-20	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	-30	-	-	-	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	-40	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-40	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13. Capacity Correction

18) AM440FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.83	0.82	0.81	0.80
	40	-	-	-	-	0.95	0.94	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.82	0.81	0.80
	30	-	-	-	0.96	0.95	0.94	0.93	0.92	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.80
	20	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81
	10	-	0.99	0.98	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81
	0	0.99	0.99	0.98	0.97	0.96	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.85	0.84	0.83	0.82	0.81
	-10	-	0.99	0.98	0.97	0.96	0.95	0.94	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.83	0.82	0.81
	-20	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.81
	-30	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
	-40	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91
	40	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91
	30	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91
	20	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91
	10	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91
	0	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91
	-10	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91
	-20	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91
	-30	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91
	-40	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

19) AM480FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.92	0.91	0.90	0.89	0.87	0.86	0.85	0.83	0.82	0.81	0.79	0.78	0.77
	40	-	-	-	-	0.94	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.82	0.81	0.80	0.78	0.77
	30	-	-	-	0.95	0.94	0.93	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.82	0.81	0.80	0.78	0.77
	20	-	-	0.97	0.96	0.94	0.93	0.92	0.90	0.89	0.88	0.87	0.85	0.84	0.83	0.81	0.80	0.79	0.77
	10	-	0.98	0.97	0.96	0.95	0.93	0.92	0.91	0.89	0.88	0.87	0.85	0.84	0.83	0.81	0.80	0.79	0.78
	0	0.99	0.99	0.97	0.96	0.95	0.93	0.92	0.91	0.90	0.88	0.87	0.86	0.84	0.83	0.82	0.80	0.79	0.78
	-10	-	0.99	0.98	0.96	0.95	0.94	0.92	0.91	0.90	0.88	0.87	0.86	0.84	0.83	0.82	0.81	0.79	0.78
	-20	-	-	0.98	0.96	0.95	0.94	0.93	0.91	0.90	0.89	0.87	0.86	0.85	0.83	0.82	0.81	0.79	0.78
	-30	-	-	-	0.97	0.95	0.94	0.93	0.91	0.90	0.89	0.88	0.86	0.85	0.84	0.82	0.81	0.80	0.78
	-40	-	-	-	-	0.96	0.94	0.93	0.92	0.90	0.89	0.88	0.86	0.85	0.84	0.82	0.81	0.80	0.79

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89
	40	-	-	-	-	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89
	30	-	-	-	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89
	20	-	-	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89
	10	-	0.99	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89
	0	1.00	0.99	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89
	-10	-	0.99	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89
	-20	-	-	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89
	-30	-	-	-	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89
	-40	-	-	-	-	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.92	0.92	0.91	0.91	0.90	0.89

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13. Capacity Correction

20) AM500FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.96	0.96	0.95	0.95	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93	0.92
	40	-	-	-	-	0.97	0.97	0.96	0.96	0.95	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.93
	30	-	-	-	0.98	0.97	0.97	0.96	0.96	0.95	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
	20	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93
	10	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
	0	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93
	-10	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94
	-20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94
	-30	-	-	-	0.99	0.99	0.98	0.98	0.97	0.96	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94
	-40	-	-	-	-	0.99	0.98	0.98	0.97	0.97	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	40	-	-	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	30	-	-	-	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	20	-	-	1.00	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	10	-	1.00	1.00	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	0	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	-10	-	1.00	1.00	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	-20	-	-	1.00	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	-30	-	-	-	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97
	-40	-	-	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

21) AM520FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.96	0.96	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.93	0.93	0.92	0.92
	40	-	-	-	-	0.97	0.96	0.96	0.95	0.95	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.93	0.92
	30	-	-	-	0.98	0.97	0.97	0.96	0.96	0.95	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93	0.92
	20	-	-	0.99	0.98	0.97	0.97	0.96	0.96	0.95	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.93
	10	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.95	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93	0.93
	0	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93
	-10	-	1.00	0.99	0.99	0.98	0.97	0.97	0.96	0.96	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94	0.93
	-20	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93
	-30	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.94
	-40	-	-	-	-	0.99	0.98	0.97	0.97	0.96	0.97	0.97	0.96	0.96	0.95	0.95	0.95	0.94	0.94

(2) Heating

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97
	40	-	-	-	-	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97
	30	-	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97
	20	-	-	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97
	10	-	1.00	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97
	0	1.00	1.00	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97
	-10	-	1.00	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97
	-20	-	-	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97
	-30	-	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97
	-40	-	-	-	-	0.99	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.97	0.97

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

13. Capacity Correction

22) AM600FXWANR✳✳✳

(1) Cooling

		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.95	0.95	0.94	0.93	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.90
	40	-	-	-	-	0.96	0.96	0.95	0.94	0.93	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.90
	30	-	-	-	0.97	0.97	0.96	0.95	0.94	0.94	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.90
	20	-	-	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.95	0.94	0.94	0.93	0.93	0.92	0.91	0.91	0.90
	10	-	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91
	0	0.99	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.95	0.95	0.94	0.93	0.93	0.92	0.92	0.91	0.91
	-10	-	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91
	-20	-	-	0.99	0.98	0.98	0.97	0.96	0.95	0.95	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91
	-30	-	-	-	0.98	0.98	0.97	0.96	0.96	0.95	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.92	0.91
	-40	-	-	-	-	0.98	0.97	0.97	0.96	0.95	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92

(2) Heating

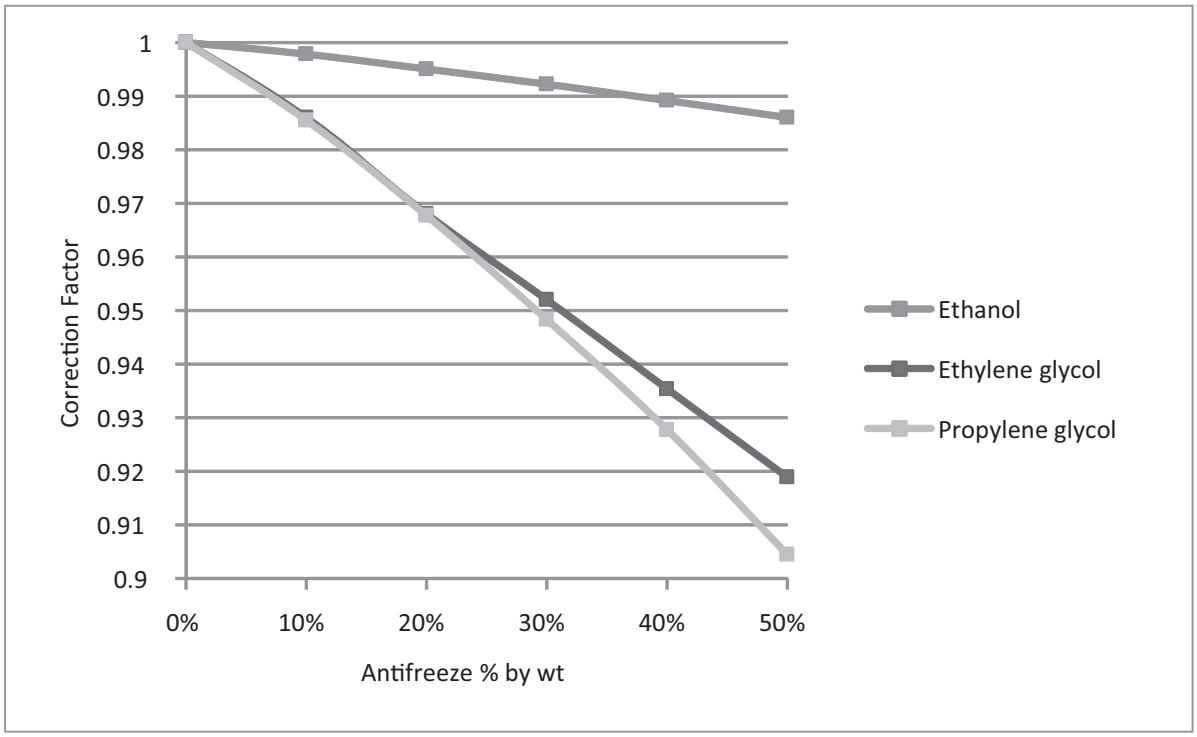
		Pipe Length (m)																	
		7.5	10	20	30	40	50	60	70	80	*90	100	110	120	130	140	150	160	170
Level Difference (m)	50	-	-	-	-	-	0.98	0.98	0.98	0.97	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96
	40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96
	30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96
	20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96
	10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96
	0	1.00	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96
	-10	-	1.00	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96
	-20	-	-	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96
	-30	-	-	-	0.99	0.99	0.98	0.98	0.98	0.97	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96
	-40	-	-	-	-	0.99	0.98	0.98	0.98	0.97	0.98	0.97	0.97	0.97	0.97	0.96	0.96	0.96	0.96

✳ When pipe length exceeds 90 m, increase the size of the main pipe by one level (Refer to installation manual)

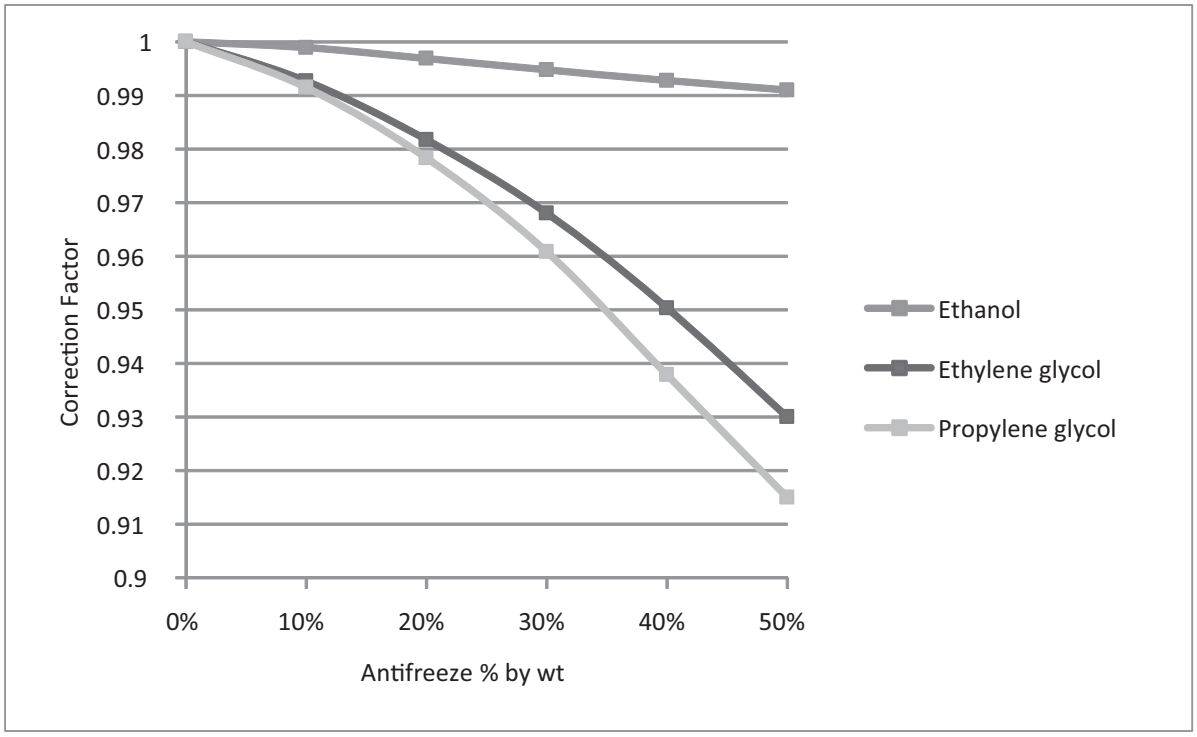
13. Capacity Correction

13-2. Antifreeze Corrections

1) Correction factor of cooling capacity

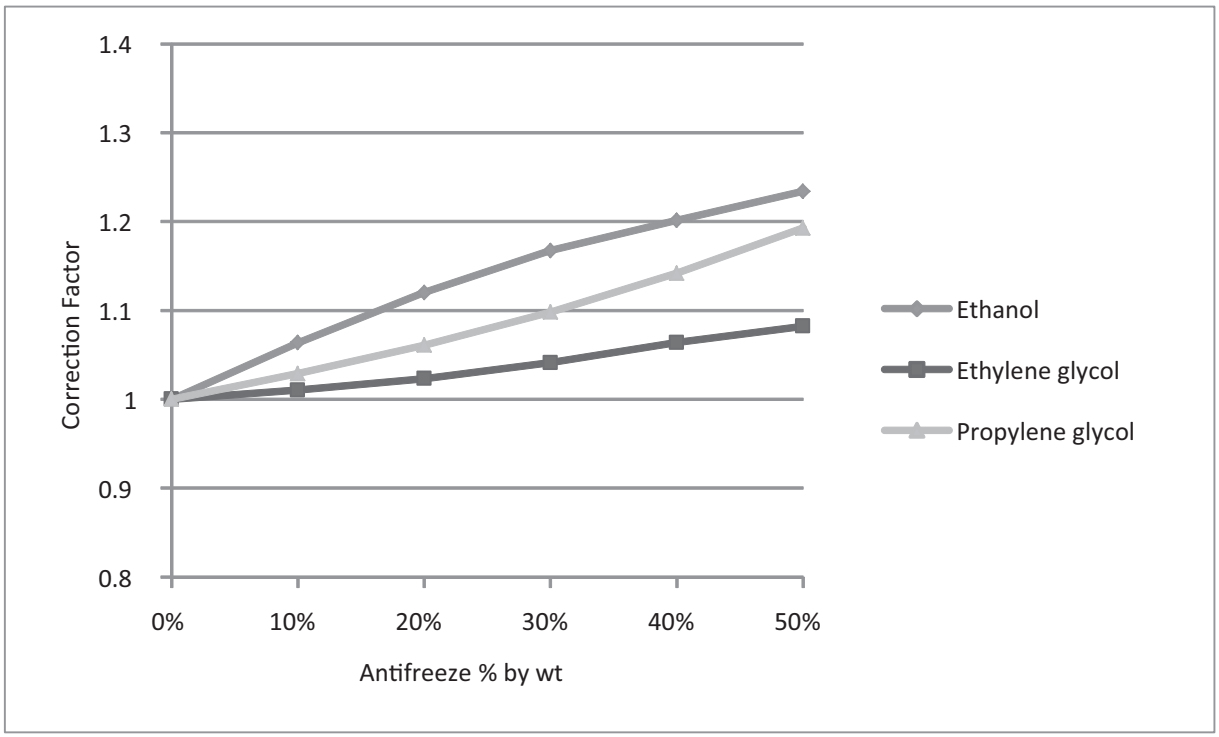


2) Correction factor of heating capacity



13. Capacity Correction

3) Correction factor of pressure drop



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