

**FCU**

Fan Coil Unit  
5CFIW\_01A

**LG**

**TOTAL HVAC**

**SOLUTION**

**PROVIDER**

**ENGINEERING PRODUCT DATA BOOK**

***FCU***

**General Information**

**Product Data**

**Ceiling Mounted Cassette (4-Way)**

**Ceiling Concealed Duct (Low Static)**

***FCU***

**General Information**

**1. Model Lineup**

**2. Nomenclature**

# 1. Model line up

## 1.1 Indoor units


### ■ Ceiling Mounted Cassette

#### ◆ 4 Way

Chassis		용량 [kW]								
		1.8	2.7	3.2	4.1	6.0	7.2	9.0	10.5	13.0
	TR	WF4A018 CG0A	WF4A027 CG0A	WF4A032 CG0A						
	TQ				WF4A041 CG0A					
	TP					WF4A060 CG0A	WF4A072 CG0A			
	TN							WF4A090 CG0A	WF4A105 CG0A	
	TM									WF4A130 CG0A

### ■ Ceiling Concealed Cassette

#### ◆ Low static

Chassis		용량 [kW]						
		1.2	1.8	2.5	3.2	3.9	5.5	6.6
	L1	WFCA012RG 0A	WFCA018RG 0A					
	L2	-		WFCA025RG 0A	WFCA032RG 0A			
	L3					WFCA039RG 0A	WFCA055RG 0A	WFCA066RG 0A

## 2. Nomenclature

<b>Model Name</b>	<b>WF</b>	<b>4</b>	<b>A</b>	<b>018</b>	<b>C</b>	<b>G</b>	<b>0</b>	<b>A</b>
No.	1	2	3	4	5	6	7	8

No.	Signification
1	<b>Type of air conditioner</b> WF : Fan Coil Unit
2	<b>Model Type</b> 4 : 4 Way Cassette C : Ceiling Concealed Duct
3	<b>Coil</b> A : 2 pipe / 2 column B : 2 pipe / 3 column
4	<b>Total Cooling Capacity in kW</b> EX) 1.8 kW Class → '018' 13 kW Class → '130'
5	<b>Piping Direction</b> C : Common R : Right
6	<b>Electrical Ratings</b> G : 1Ø, 220 - 240V, 50Hz / 1Ø, 220V, 60Hz
7	<b>Function</b> 0 : Basic
8	<b>Serial Number</b>

***FCU***

**Product Data**

**Ceiling Mounted Cassette(4-Way)  
Ceiling Concealed Duct(Low Static)**

# ***FCU***

## **Ceiling Mounted Cassette (4-Way)**

- 1. List of functions**
- 2. Specifications**
- 3. Dimensions**
- 4. Wiring Diagrams**
- 5. Capacity Tables**
- 6. Air Velocity and Temperature Distribution**
- 7. Electric Characteristics**
- 8. Sound Levels**
- 9. Installation**

# 1. List of Functions

## ■ List of Function

Category	Function	WF4A018CG0A, WF4A027CG0A, WF4A032CG0A, WF4A041CG0A WF4A060CG0A, WF4A072CG0A, WF4A090CG0A, WF4A105CG0A WF4A130CG0A
Air flow	Air supply outlet	4
	Airflow direction control(left & right)	-
	Airflow direction control(up & down)	Auto
	Auto swing(left & right)	-
	Auto swing(up & down)	O
	Airflow steps(fan/cool/heat)	4 / 4 / 4
	Chaos swing	X
	Chaos wind(auto wind)	O
	Jet cool(Power wind)	O
	Swirl wind*	O
Air purifying	Deodorizing filter	X
	Plasma air purifier	X
	Prefilter(washable / anti-fungus)	O
Installation	Drain pump	O
	E.S.P. control*	X
	Electric heater(operation)	X
	High ceiling operation*	O
Reliability	Hot start	X
	Self diagnosis	O
	Soft dry operation	X
Convenience	Auto changeover	X
	Auto cleaning	X
	Auto operation(artificial intelligence)	X
	Auto restart operation	O
	Child lock*	O
	Forced operation	O
	Group control*	O
	Sleep mode	O
	Timer(on/off)	O
	Timer(weekly)*	O
	Two thermistor control*	O
External On/Off	X	
Ohters	Cold and Hot Water Control	O
	Freeze Protection Control	O

### Note

- O : Applied, X : Not Applied  
Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.  
Accessory line-ups varies by region, so check your local catalogue or local sales material.
- Some functions can be limited by remote controller.
- In case of ducted type indoor units using the wireless remote controller, it needs to connect the wired remote controller for received the signal of that.
- In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.
- \* : These functions need to connect the wired remote controller.



# 1. List of Functions

## ◆ Accessory Compatibility List

Category		Product	Remark	Compatibility WF4A---CG0A
Wireless Remote Controller		PQWRH(C)Q0FDB	-	O
Wired Remote Controller	Simple	PQRCVCL0Q(W)	Simple	O
		PQRCHCA0Q(W)	for Hotel	O
	Standard	PREMTB001	Standard (White)	O
		PREMTBB01	Standard (Black)	O
		PREMTB100	New Standard (White)	O
		PREMTBB10	New Standard (Black)	O
Premium	PREMTA000(A/B)	Premium	O*	
Dry contact	Simple Contact	PDRYCB000	Simple Dry Contact	O
	Communication type	PDRYCB400	Points Dry Contact (For Setback)	O
		PDRYCB300	-	O
		PDRYCB500	Dry Contact For Modbus	O
Gateway	IDU PI485	PHNFP14A0	Connected with the Indoor Units	-
		PSNFP14A0	Connected with the Indoor Units	-
ETC	Remote temperature sensor	PQRSTA0	-	O
	CO2 Sensor	PES-C0RV0	-	-
	Group control wire	PZCWRCG3	0.25m	O
	2-Remo Control Wire	PZCWRC2	0.25m	O
	Extension Wire	PZCWRC1	10m	O
	Wi-Fi Controller*	PWFMD200	-	O
	Independent Power Module	PRIP0	-	O

### Note

1. O: Possible, X: Impossible, - : Not applicable, Embedded : Included with product.
2. \* : Some advanced functions controlled by individual controller cannot be operated.
3. \*\* : It could not be operated some functions.
4. If you need more detail, please refer to the **BECON** PDB or the manual of product. (<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 2. Specifications

Type		4 Way Ceiling Mounted Cassette		
Model	Unit	WF4A018CG0A	WF4A027CG0A	
Power Supply	V, Φ, Hz	220-230-240, 1, 50		220-230-240, 1, 50
Running Current by Voltage	A	0.37-0.37-0.37		0.38-0.38-0.38
Cooling Capacity	Condition A	kW	1.8	2.7
		kcal/h	1,549	2,323
		Btu/h	6,146	9,219
Heating Capacity	Condition A	kW	1.9	2.6
		kcal/h	1,635	2,237
		Btu/h	6,487	8,878
Power Input	Rated	W	12	15
Running Current	Rated	A	0.37	0.38
Water Flow rate	Condition A	ℓ/min	5.7	8.2
Head Loss	Condition A	kPa	21.5	32.0
Fan	Type	-	Turbo Fan	Turbo Fan
	Air Flow Rate(H/M/L)	m <sup>3</sup> /min	6.5/5.5/5	7/6.5/6
Fan Motor	Type	-	BLDC	BLDC
	Drive	-	CCW	CCW
	Output	W x No.	30x1	30x1
	FLA(Full Load Ampere)	A	0.37	0.38
Dimensions (W x H x D)	Net	mm	570 x 214 x 570	570 x 214 x 570
	Decoration Panel #1	mm	700 x 22 x 700	700 x 22 x 700
	Decoration Panel #2	mm	620 x 34 x 620	620 x 34 x 620
Weight	Net	kg	12.9	12.9
	Shipping	kg	15.7	15.7
Air Filter	Type	-	Long life	Long life
Temperature Control	-	-	Microprocessor, Thermostat for cooling and heating	
Sound Absorbing / Thermal Insulation Material	-	-	Foamed polystyrene	Foamed polystyrene
Protection Device	-	-	Fuse	Fuse
Water Connecting Pipes	Inlet	-	BSP 3/4"	BSP 3/4"
	Outlet	-	BSP 3/4"	BSP 3/4"
Sound Pressure Level	Cooling(H/M/L)	dB(A)	33.5/33.3/33.0	36.0/35.0/33.5
	Heating(H/M/L)	dB(A)	33.5/33.3/33.0	36.0/35.0/33.5
Sound Power Level	Cooling(H/M/L)	dB(A)	38.1/37.4/36.7	42.8/40.6/38.1
	Heating(H/M/L)	dB(A)	38.1/37.4/36.7	42.8/40.6/38.1
Connecting Cable	Communication Cable(VCTF-SB)	mm <sup>2</sup> ×cores	1.0 ~ 1.5	1.0 ~ 1.5
Panel Name(Accessory)			PT-UQC, PT-QCHW0	PT-UQC, PT-QCHW0
Panel Color			Morning fog	Morning fog

**Note**

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
- Performances are based on the following conditions :
  - Condition A
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19°CWB
    - Heating : Inlet/Outlet Water Temp. 45°C / 40°C, Indoor Air Temp. 20°CDB / 15°CWB
  - Condition B
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19.5°CWB
    - Heating : Inlet Water Temp. 50°C, Indoor Air Temp. 20°CDB / 15°CWB

## 2. Specifications

Type		4 Way Ceiling Mounted Cassette		
Model	Unit	WF4A032CG0A	WF4A041CG0A	
Power Supply	V, Φ, Hz	220-230-240, 1, 50		220-230-240, 1, 50
Running Current by Voltage	A	0.40-0.40-0.40		0.35-0.42-0.42
Cooling Capacity	Condition A	kW	3.2	4.1
		kcal/h	2,753	3,526
		Btu/h	10,926	13,999
Heating Capacity	Condition A	kW	3.3	4.5
		kcal/h	2,839	3,872
		Btu/h	11,268	15,365
Power Input	Rated	W	20	43
Running Current	Rated	A	0.40	0.42
Water Flow rate	Condition A	ℓ/min	10.0	13.5
Head Loss	Condition A	kPa	47.7	43.7
Fan	Type	-	Turbo Fan	Turbo Fan
	Air Flow Rate(H/M/L)	m <sup>3</sup> /min	8.5/8/7	12/10/8
Fan Motor	Type	-	BLDC	BLDC
	Drive	-	CCW	CCW
	Output	W x No.	30x1	43x1
	FLA(Full Load Ampere)	A	0.40	0.42
Dimensions (W x H x D)	Net	mm	570 x 214 x 570	570 x 256 x 570
	Decoration Panel #1	mm	700 x 22 x 700	700 x 22 x 700
	Decoration Panel #2	mm	620 x 34 x 620	620 x 34 x 620
Weight	Net	kg	12.9	14.0
	Shipping	kg	15.7	16.3
Air Filter	Type	-	Long life	Long life
Temperature Control	-	-	Microprocessor, Thermostat for cooling and heating	
Sound Absorbing / Thermal Insulation Material	-	-	Foamed polystyrene	Foamed polystyrene
Protection Device	-	-	Fuse	Fuse
Water Connecting Pipes	Inlet	-	BSP 3/4"	BSP 3/4"
	Outlet	-	BSP 3/4"	BSP 3/4"
Sound Pressure Level	Cooling(H/M/L)	dB(A)	41.0/38.0/36.0	47.4/41.6/36.8
	Heating(H/M/L)	dB(A)	41.0/38.0/36.0	47.4/41.6/36.8
Sound Power Level	Cooling(H/M/L)	dB(A)	48.6/44.8/42.8	54.7/49.0/44.3
	Heating(H/M/L)	dB(A)	48.6/44.8/42.8	54.7/49.0/44.3
Connecting Cable	Communication Cable(VCTF-SB)	mm <sup>2</sup> ×cores	1.0 ~ 1.5	1.0 ~ 1.5
Panel Name(Accessory)			PT-UQC, PT-QCHW0	PT-UQC, PT-QCHW0
Panel Color			Morning fog	Morning fog

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- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
- Performances are based on the following conditions :
  - Condition A
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19°CWB
    - Heating : Inlet/Outlet Water Temp. 45°C / 40°C, Indoor Air Temp. 20°CDB / 15°CWB
  - Condition B
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19.5°CWB
    - Heating : Inlet Water Temp. 50°C, Indoor Air Temp. 20°CDB / 15°CWB

## 2. Specifications

Type		4 Way Ceiling Mounted Cassette		
Model	Unit	WF4A060CG0A	WF4A072CG0A	
Power Supply	V, Φ, Hz	220-230-240, 1, 50	220-230-240, 1, 50	
Running Current by Voltage	A	0.62-0.69-0.69	0.75-0.88-0.88	
Cooling Capacity	Condition A	kW	6.0	7.2
		kcal/h	5,160	6,192
		Btu/h	20,487	24,584
Heating Capacity	Condition A	kW	7.2	7.9
		kcal/h	6,195	6,797
		Btu/h	24,583	26,972
Power Input	Rated	W	73	93
Running Current	Rated	A	0.69	0.88
Water Flow rate	Condition A	ℓ/min	19.0	21.0
Head Loss	Condition A	kPa	38.2	45.9
Fan	Type	-	Turbo Fan	Turbo Fan
	Air Flow Rate(H/M/L)	m <sup>3</sup> /min	19/17/15	21/19/17
Fan Motor	Type	-	BLDC	BLDC
	Drive	-	CCW	CCW
	Output	W x No.	40x1	40x1
	FLA(Full Load Ampere)	A	0.69	0.88
Dimensions (W x H x D)	Net	mm	840 x 204 x 840	840 x 204 x 840
	Decoration Panel #1	mm	950 x 35 x 950	950 x 35 x 950
	Decoration Panel #2	mm	-	-
Weight	Net	kg	20.8	20.8
	Shipping	kg	24.9	24.9
Air Filter	Type	-	Long life	Long life
Temperature Control	-	-	Microprocessor, Thermostat for cooling and heating	
Sound Absorbing / Thermal Insulation Material	-	-	Foamed polystyrene	Foamed polystyrene
Protection Device	-	-	Fuse	Fuse
Water Connecting Pipes	Inlet	-	BSP 3/4"	BSP 3/4"
	Outlet	-	BSP 3/4"	BSP 3/4"
Sound Pressure Level	Cooling(H/M/L)	dB(A)	46.6/44.8/41.0	49.5/46.6/44.8
	Heating(H/M/L)	dB(A)	46.6/44.8/41.0	49.5/46.6/44.8
Sound Power Level	Cooling(H/M/L)	dB(A)	54.3/51.7/48.2	56.2/53.7/51.3
	Heating(H/M/L)	dB(A)	54.3/51.7/48.2	56.2/53.7/51.3
Connecting Cable	Communication Cable(VCTF-SB)	mm <sup>2</sup> ×cores	1.0 ~ 1.5	1.0 ~ 1.5
Panel Name(Accessory)			PT-UMC(1)	PT-UMC(1)
Panel Color			Morning fog	Morning fog

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- Performances are based on the following conditions :
  - Condition A
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19°CWB
    - Heating : Inlet/Outlet Water Temp. 45°C / 40°C, Indoor Air Temp. 20°CDB / 15°CWB
  - Condition B
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19.5°CWB
    - Heating : Inlet Water Temp. 50°C, Indoor Air Temp. 20°CDB / 15°CWB

## 2. Specifications

Type		4 Way Ceiling Mounted Cassette		
Model		Unit	WF4A090CG0A	WF4A105CG0A
Power Supply		V, Φ, Hz	220-230-240, 1, 50	220-230-240, 1, 50
Running Current by Voltage		A	0.89-0.89-0.89	1.4-1.39-1.39
Cooling Capacity	Condition A	kW	9.0	10.5
		kcal/h	7,740	9,030
		Btu/h	30,729	35,851
Heating Capacity	Condition A	kW	9.7	11.1
		kcal/h	8,346	9,551
		Btu/h	33,120	37,900
Power Input	Rated	W	103	167
Running Current	Rated	A	0.89	1.39
Water Flow rate	Condition A	ℓ/min	28.0	33
Head Loss	Condition A	kPa	78.3	111.4
Fan	Type	-	Turbo Fan	Turbo Fan
	Air Flow Rate(H/M/L)	m <sup>3</sup> /min	25/21/19	31/28/25
Fan Motor	Type	-	BLDC	BLDC
	Drive	-	CCW	CCW
	Output	W x No.	156x1	156x1
	FLA(Full Load Ampere)	A	0.89	1.39
Dimensions (W x H x D)	Net	mm	840 x 246 x 840	840 x 246 x 840
	Decoration Panel #1	mm	950 x 35 x 950	950 x 35 x 950
	Decoration Panel #2	mm	-	-
Weight	Net	kg	23.2	23.2
	Shipping	kg	27.5	27.5
Air Filter	Type	-	Long life	Long life
Temperature Control	-	-	Microprocessor, Thermostat for cooling and heating	
Sound Absorbing / Thermal Insulation Material	-	-	Foamed polystyrene	Foamed polystyrene
Protection Device	-	-	Fuse	Fuse
Water Connecting Pipes	Inlet	-	BSP 3/4"	BSP 3/4"
	Outlet	-	BSP 3/4"	BSP 3/4"
Sound Pressure Level	Cooling(H/M/L)	dB(A)	49.5/45.7/42.3	54.2/52.3/49.5
	Heating(H/M/L)	dB(A)	49.5/45.7/42.3	54.2/52.3/49.5
Sound Power Level	Cooling(H/M/L)	dB(A)	57.5/53.1/50.3	62.3/60.2/57.3
	Heating(H/M/L)	dB(A)	57.5/53.1/50.3	62.3/60.2/57.3
Connecting Cable	Communication Cable(VCTF-SB)	mm <sup>2</sup> ×cores	1.0 ~ 1.5	1.0 ~ 1.5
Panel Name(Accessory)			PT-UMC(1)	PT-UMC(1)
Panel Color			Morning fog	Morning fog

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- Performances are based on the following conditions :
  - Condition A
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19°CWB
    - Heating : Inlet/Outlet Water Temp. 45°C / 40°C, Indoor Air Temp. 20°CDB / 15°CWB
  - Condition B
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19.5°CWB
    - Heating : Inlet Water Temp. 50°C, Indoor Air Temp. 20°CDB / 15°CWB

## 2. Specifications

Type		4 Way Ceiling Mounted Cassette	
Model	Unit	WF4A130CG0A	
Power Supply	V, Φ, Hz	220-230-240, 1, 50	
Running Current by Voltage	A	1.7-1.88-1.88	
Cooling Capacity	Condition A	kW	13
		kcal/h	11,185
		Btu/h	44,387
Heating Capacity	Condition A	kW	13.3
		kcal/h	11,444
		Btu/h	45,412
Power Input	Rated	W	246
Running Current	Rated	A	1.88
Water Flow rate	Condition A	ℓ/min	37.8
Head Loss	Condition A	kPa	149.9
Fan	Type	-	Turbo Fan
	Air Flow Rate(H/M/L)	m <sup>3</sup> /min	41/36/30
Fan Motor	Type	-	BLDC
	Drive	-	CCW
	Output	W x No.	136x1
	FLA(Full Load Ampere)	A	1.88
Dimensions (W x H x D)	Net	mm	840 x 288 x 840
	Decoration Panel #1	mm	950 x 35 x 950
	Decoration Panel #2	mm	-
Weight	Net	kg	25.1
	Shipping	kg	29.7
Air Filter	Type	-	Long life
Temperature Control	-	-	Microprocessor, Thermostat for cooling and heating
Sound Absorbing / Thermal Insulation Material	-	-	Foamed polystyrene
Protection Device	-	-	Fuse
Water Connecting Pipes	Inlet	-	BSP 3/4"
	Outlet	-	BSP 3/4"
Sound Pressure Level	Cooling(H/M/L)	dB(A)	55.8/52.4/48.6
	Heating(H/M/L)	dB(A)	55.8/52.4/48.6
Sound Power Level	Cooling(H/M/L)	dB(A)	63.5/59.7/56.3
	Heating(H/M/L)	dB(A)	63.5/59.7/56.3
Connecting Cable	Communication Cable(VCTF-SB)	mm <sup>2</sup> ×cores	1.0 ~ 1.5
Panel Name(Accessory)		PT-UMC(1)	
Panel Color		Morning fog	

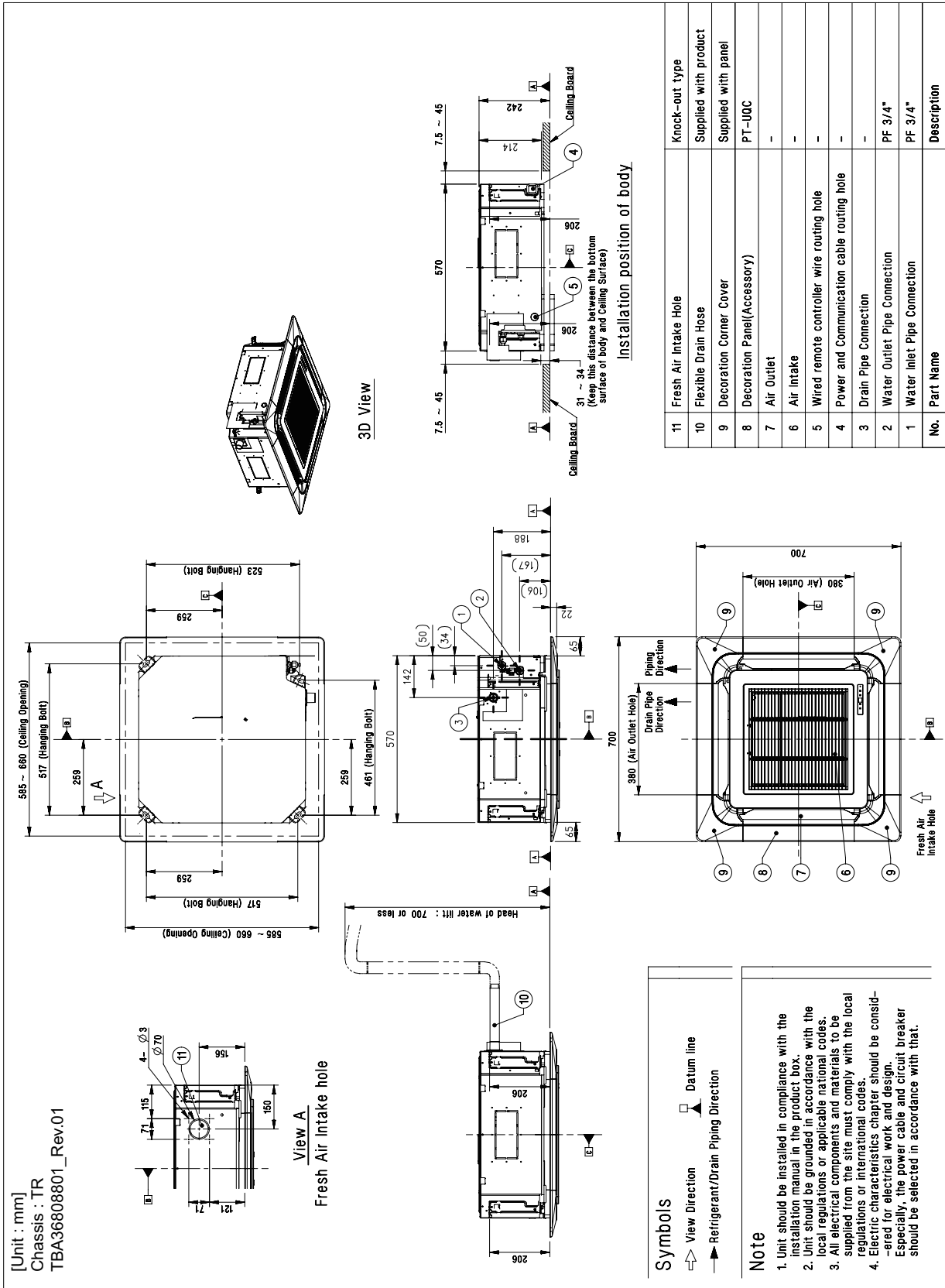
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  - Condition A
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19°CWB
    - Heating : Inlet/Outlet Water Temp. 45°C / 40°C, Indoor Air Temp. 20°CDB / 15°CWB
  - Condition B
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19.5°CWB
    - Heating : Inlet Water Temp. 50°C, Indoor Air Temp. 20°CDB / 15°CWB

### 3. Dimensions

■ WF4A018CG0A, WF4A027CG0A, WF4A032CG0A

◆ TR Chassis (PT-UQC)



### 3. Dimensions

- WF4A018CG0A, WF4A027CG0A, WF4A032CG0A
- ◆ TR Chassis (PT-QCHW0)

[Unit : mm]  
Chassis : TR  
TBA3680802\_Rev.01

View A  
Fresh Air Intake hole

3D View

Installation position of body  
(Keep this distance between the bottom surface of body and Ceiling Surface)

No.	Part Name	Knock-out type	Description
12	Fresh Air Intake Hole	Supplied with product	
11	Flexible Drain Hose	Supplied with panel	
10	Decoration Corner Display Cover	Supplied with panel	
9	Decoration Corner Cover	PT-QCHW0	
8	Decoration Panel(Accessory)	-	
7	Air Outlet	-	
6	Air Intake	-	
5	Wired remote controller wire routing hole	-	
4	Power and Communication cable routing hole	-	
3	Drain Pipe Connection	PF 3/4"	
2	Water Outlet Pipe Connection	PF 3/4"	
1	Water Inlet Pipe Connection		
	Part Name		Description

**Symbols**

- ⇒ View Direction
- Datum line
- Refrigerant/Drain Piping Direction

**Note**

1. Unit should be installed in compliance with the installation manual in the product box.
2. Unit should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
4. Electric characteristics chapter should be considered for electrical work and design. Especially, the power cable and circuit breaker should be selected in accordance with that.



# 3. Dimensions

■ WF4A041CG0A

◆ TQ Chassis (PT-UQC)

**3D View**

**View A**  
Fresh Air Intake hole

**Installation position of body**

**Dimensions:**  
 - Overall width: 517 mm  
 - Overall height: 570 mm  
 - Ceiling opening: 585 ~ 660 mm  
 - Hanging bolt spacing: 269 mm  
 - Hanging bolt diameter: 4-φ3  
 - Fresh air intake hole diameter: φ70  
 - Air outlet hole diameter: 380 mm  
 - Drain pipe diameter: 32 mm  
 - Piping diameter: 48 mm

**Callouts:**  
 1. Wired remote controller wire routing hole  
 2. Power and Communication cable routing hole  
 3. Drain Pipe Connection  
 4. Water Outlet Connection  
 5. Water Inlet Pipe Connection  
 6. Air Intake  
 7. Air Outlet  
 8. Decoration Panel(Accessory)  
 9. Decoration Corner Cover  
 10. Flexible Drain Hose  
 11. Fresh Air Intake Hole

**Notes:**  
 1. Unit should be installed in compliance with the installation manual in the product box.  
 2. Unit should be grounded in accordance with the local regulations or applicable national codes.  
 3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.  
 4. Electric characteristics chapter should be considered for electrical work and design. Especially, the power cable and circuit breaker should be selected in accordance with that.

**Table:**

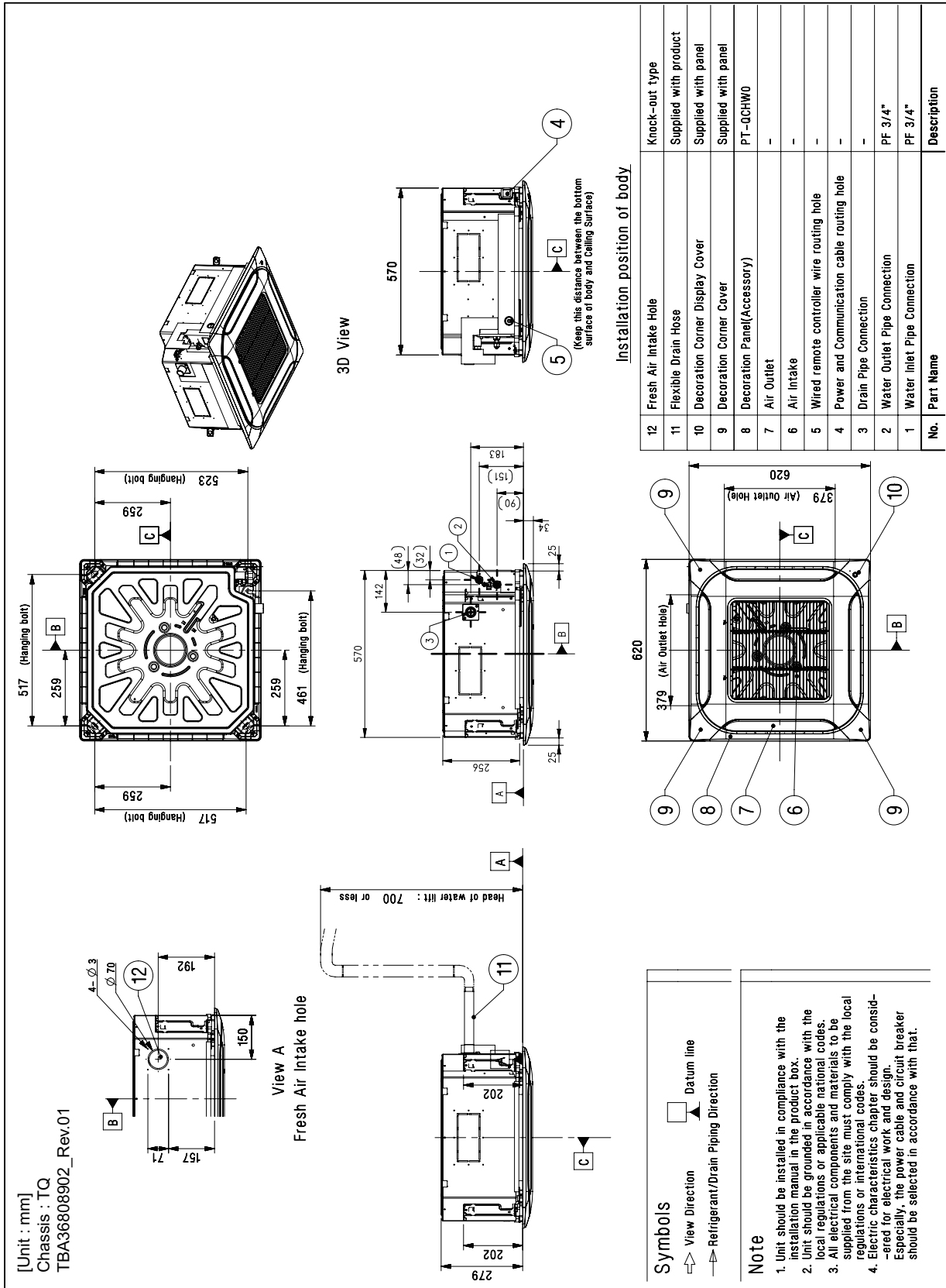
No.	Part Name	Knock-out type	Description
11	Fresh Air Intake Hole	Supplied with product	
10	Flexible Drain Hose	Supplied with panel	
9	Decoration Corner Cover	PT-UQC	
8	Decoration Panel(Accessory)	-	
7	Air Outlet	-	
6	Air Intake	-	
5	Wired remote controller wire routing hole	-	
4	Power and Communication cable routing hole	-	
3	Drain Pipe Connection	PF 3/4"	
2	Water Outlet Connection	PF 3/4"	
1	Water Inlet Pipe Connection	PF 3/4"	

**Symbols:**  
 ⇨ View Direction  
 ⇦ Refrigerant/Drain Piping Direction  
 □ Datum line

### 3. Dimensions

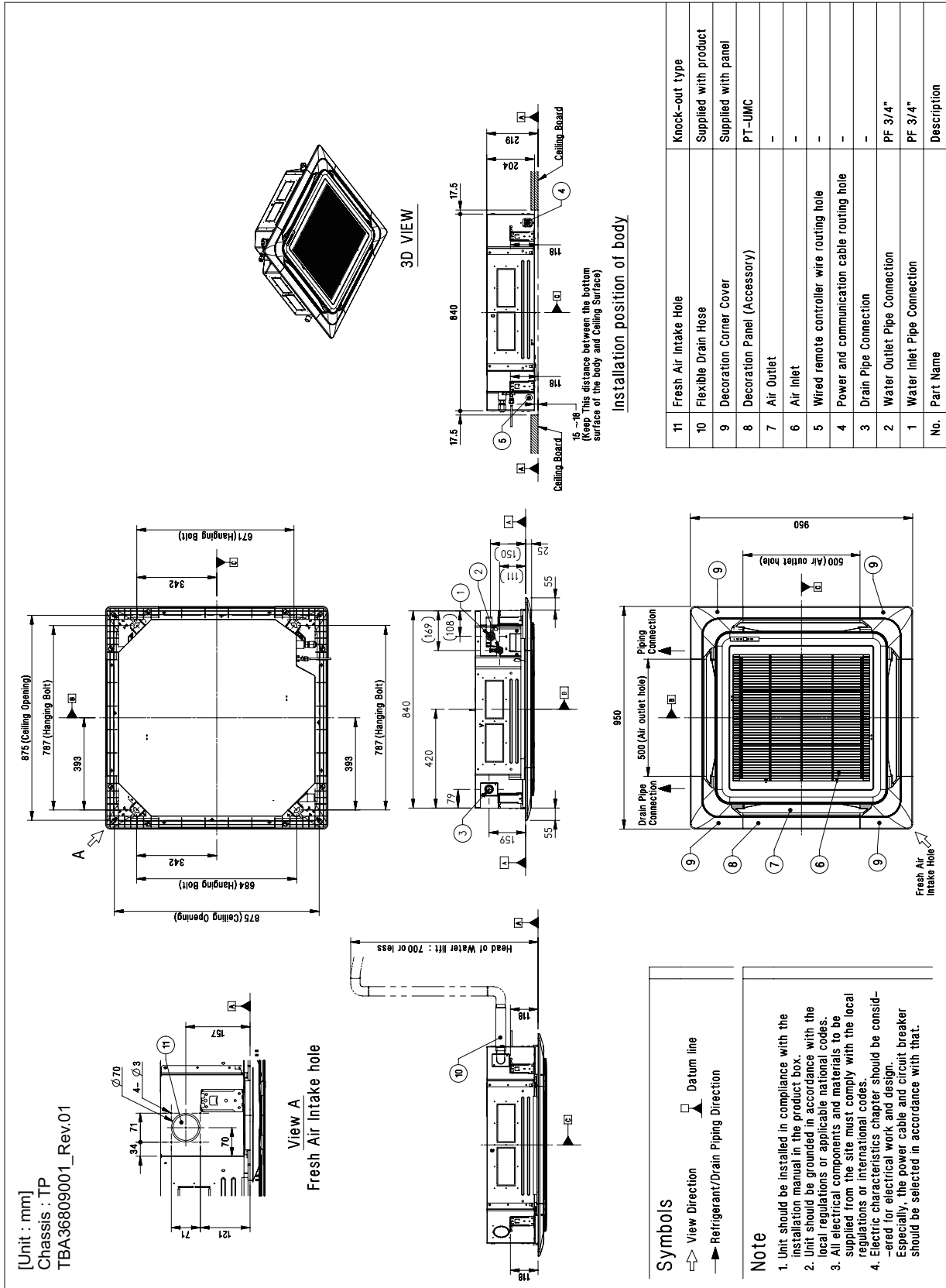
■ WF4A041CG0A

◆ TQ Chassis (PT-QCHW0)



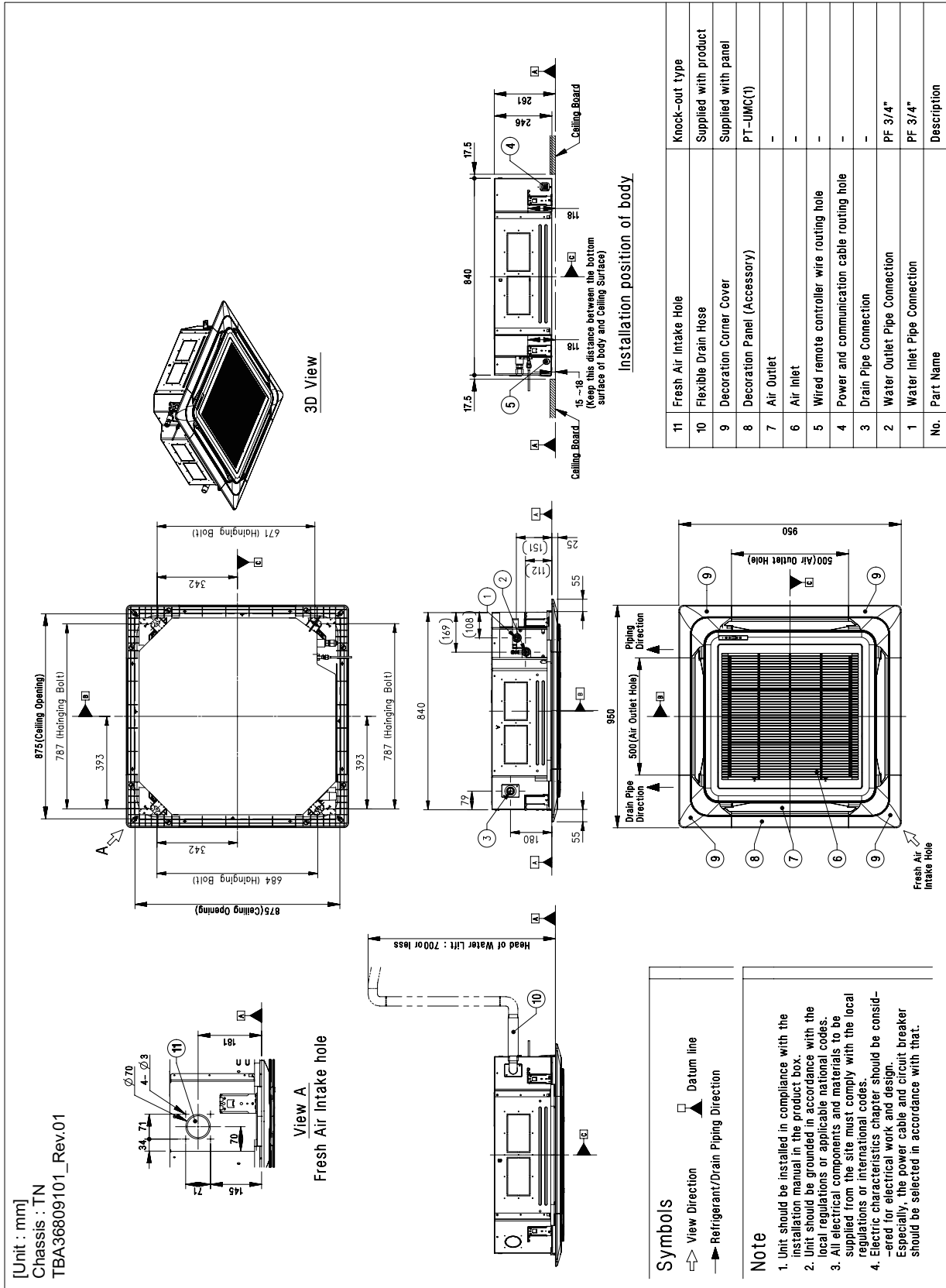
### 3. Dimensions

- WF4A060CG0A, WF4A072CG0A
- ◆ TP Chassis (PT-UMC(1))



### 3. Dimensions

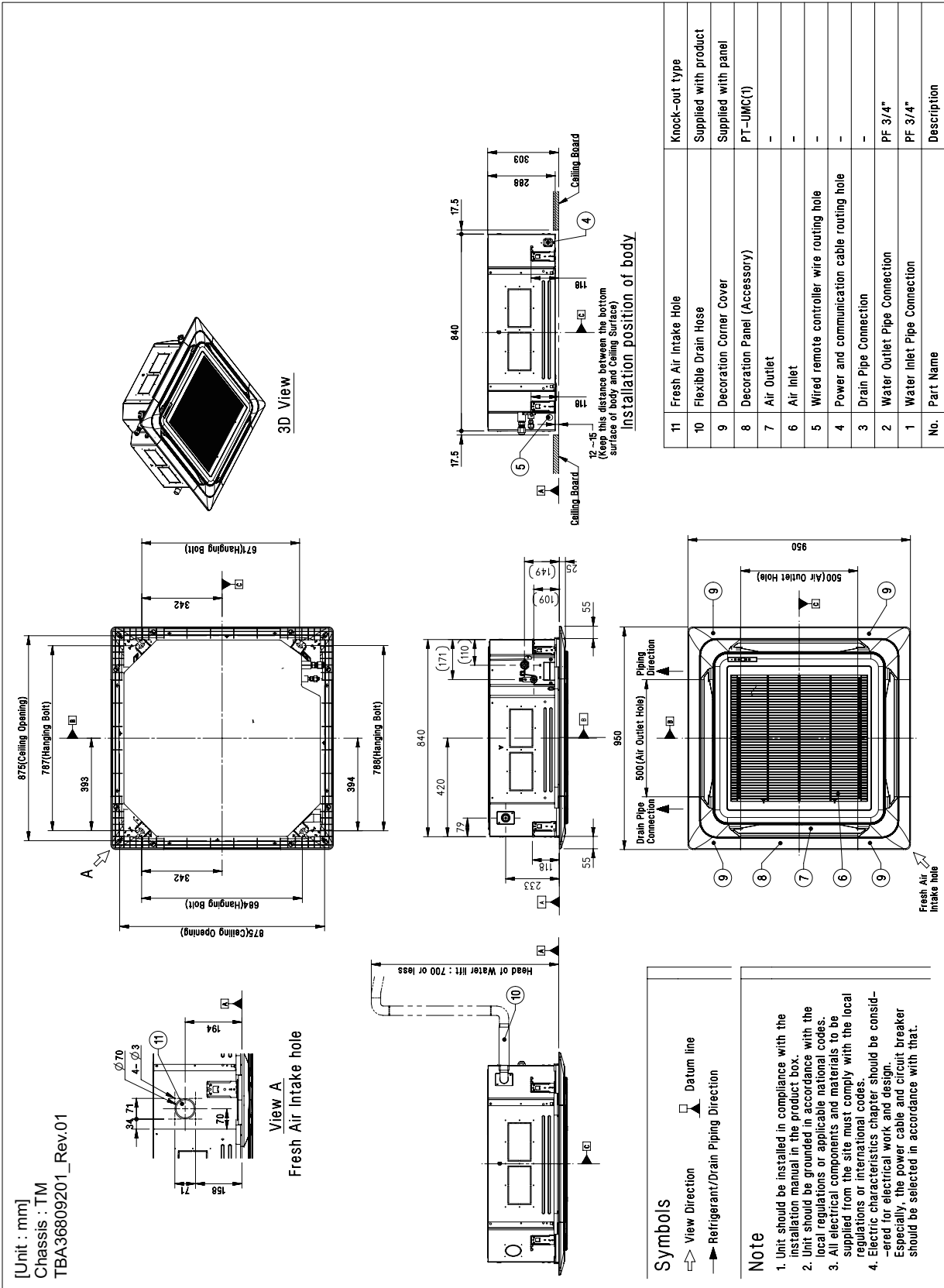
- WF4A090CG0A, WF4A105CG0A
- ◆ TN Chassis (PT-UMC(1))



# 3. Dimensions

■ WF4A130CG0A

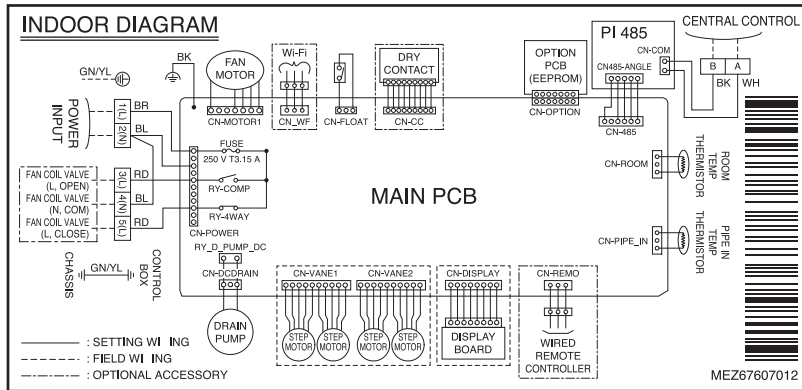
◆ TM Chassis (PT-UMC(1))



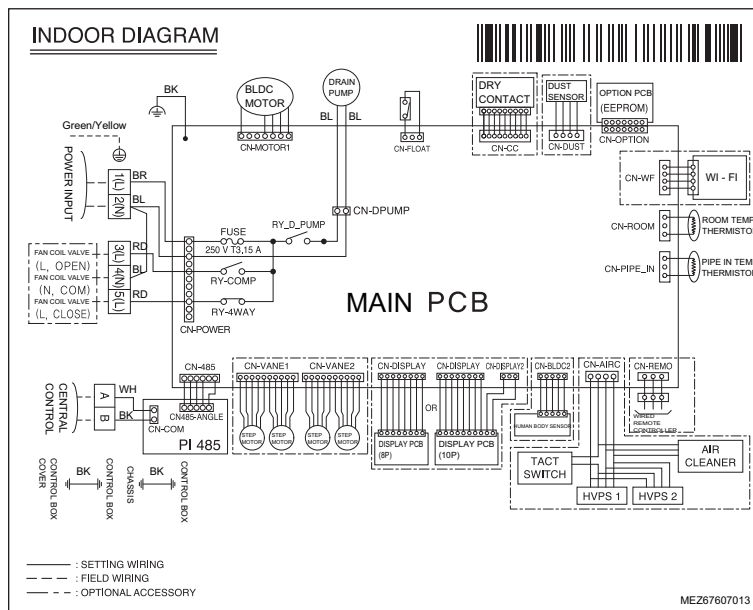
[Unit : mm]  
Chassis : TM  
TBA36809201\_Rev.01

# 4. Wiring diagrams

## TR / TQ Chassis



## TP / TN / TM Chassis



## 5. Capacity Tables

### 5.1 Cooling Capacity

#### ◆ WF4A018CG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
5	4	24	1,847	1,080	6.0	22.1	2,016	1,224	6.6	25.5	2,412	1,428	7.5	30.7	2,657	1,536	8.6	37.6
		25	2,093	1,270	6.9	27.3	2,285	1,440	7.6	31.2	2,734	1,680	8.5	37.1	3,012	1,807	9.8	44.9
		26	2,290	1,429	7.8	32.4	2,500	1,620	8.5	36.8	2,991	1,890	9.6	43.4	3,295	2,033	11.1	52.3
		27	2,462	1,588	8.6	37.6	2,689	1,800	9.4	42.5	3,216	2,100	10.7	49.8	3,543	2,258	12.3	59.6
		28	2,586	1,747	9.5	42.7	2,823	1,980	10.4	48.1	3,377	2,310	11.7	56.2	3,720	2,484	13.5	67.0
		29	2,709	1,921	10.3	47.8	2,958	2,178	11.3	53.7	3,538	2,541	12.8	62.5	3,897	2,733	14.8	74.3
	30	2,832	2,064	11.2	53.0	3,092	2,340	12.3	59.4	3,699	2,729	13.9	68.9	4,074	2,936	16.0	81.7	
	5	24	1,564	994	4.3	11.8	1,639	1,081	4.8	14.7	2,261	1,404	6.3	23.8	2,488	1,488	7.5	30.7
		25	1,773	1,170	4.9	15.5	1,857	1,272	5.5	18.8	2,563	1,651	7.2	29.2	2,819	1,750	8.5	37.1
		26	1,940	1,316	5.5	19.2	2,032	1,431	6.2	22.9	2,804	1,858	8.1	34.6	3,085	1,969	9.6	43.4
		27	2,086	1,462	6.2	22.9	2,185	1,590	6.8	26.9	3,015	2,064	9.0	40.0	3,317	2,188	10.7	49.8
		28	2,190	1,609	6.8	26.5	2,294	1,748	7.5	31.0	3,166	2,271	9.9	45.4	3,483	2,407	11.7	56.2
		29	2,294	1,769	7.4	30.2	2,404	1,923	8.2	35.1	3,317	2,498	10.8	50.8	3,649	2,647	12.8	62.5
	30	2,398	1,901	8.0	33.9	2,513	2,066	8.9	39.2	3,468	2,684	11.7	56.2	3,814	2,844	13.9	68.9	
	6	24	1,470	960	3.7	8.4	1,790	1,152	4.5	12.9	2,148	1,356	5.3	17.7	2,356	1,452	6.0	22.1
		25	1,666	1,129	4.3	11.6	2,029	1,355	5.1	16.7	2,435	1,595	6.0	22.2	2,670	1,708	6.9	27.3
		26	1,823	1,270	4.8	14.8	2,220	1,524	5.8	20.5	2,664	1,794	6.8	26.7	2,921	1,921	7.8	32.4
		27	1,960	1,411	5.3	18.0	2,387	1,694	6.4	24.3	2,865	1,994	7.6	31.2	3,141	2,135	8.6	37.6
		28	2,058	1,553	5.9	21.1	2,506	1,863	7.0	28.1	3,008	2,193	8.3	35.7	3,298	2,348	9.5	42.7
		29	2,156	1,708	6.4	24.3	2,626	2,049	7.7	32.0	3,151	2,412	9.1	40.2	3,455	2,583	10.3	47.8
	30	2,254	1,835	6.9	27.5	2,745	2,202	8.3	35.8	3,294	2,592	9.8	44.7	3,612	2,775	11.2	53.0	
	7	24	1,319	888	3.1	4.6	1,583	1,044	3.3	6.0	1,903	1,236	4.1	10.5	2,092	1,320	4.5	12.9
		25	1,495	1,045	3.5	7.3	1,794	1,228	3.8	8.8	2,157	1,454	4.7	13.9	2,371	1,553	5.1	16.7
		26	1,636	1,175	4.0	9.9	1,963	1,381	4.3	11.7	2,360	1,636	5.2	17.4	2,594	1,747	5.8	20.5
		27	1,759	1,306	4.4	12.6	2,111	1,535	4.8	14.5	2,538	1,817	5.8	20.9	2,789	1,941	6.4	24.3
		28	1,847	1,436	4.9	15.2	2,216	1,688	5.2	17.4	2,665	1,999	6.4	24.4	2,929	2,135	7.0	28.1
		29	1,935	1,580	5.3	17.9	2,322	1,857	5.7	20.2	2,792	2,199	7.0	27.8	3,068	2,348	7.7	32.0
	30	2,023	1,697	5.8	20.5	2,427	1,995	6.2	23.0	2,919	2,362	7.6	31.3	3,208	2,523	8.3	35.8	
	8	24	1,018	696	2.0	0.1	1,225	828	2.1	1.0	1,847	1,224	2.6	1.5	1,602	1,044	2.8	2.9
		25	1,153	819	2.2	0.1	1,388	974	2.4	0.6	2,093	1,440	3.0	3.7	1,815	1,228	3.2	5.3
26		1,262	921	2.5	1.1	1,519	1,096	2.7	2.4	2,290	1,620	3.3	5.9	1,986	1,381	3.6	7.7	
27		1,357	1,023	2.8	2.8	1,633	1,217	3.0	4.2	2,462	1,800	3.7	8.2	2,136	1,535	4.0	10.1	
28		1,425	1,126	3.1	4.4	1,715	1,339	3.3	6.0	2,586	1,980	4.1	10.4	2,243	1,688	4.4	12.5	
29		1,493	1,238	3.3	6.1	1,797	1,473	3.6	7.9	2,709	2,178	4.4	12.6	2,349	1,857	4.8	14.9	
30	1,560	1,330	3.6	7.8	1,878	1,583	3.9	9.7	2,832	2,340	4.8	14.8	2,456	1,995	5.2	17.3		
6	4	24	1,383	913	5.7	19.9	1,681	1,095	6.6	25.7	2,011	1,278	7.9	33.1	2,215	1,374	8.8	38.9
		25	1,567	1,074	6.5	24.7	1,905	1,288	7.6	31.4	2,279	1,503	9.0	39.8	2,511	1,617	10.1	46.5
		26	1,714	1,208	7.3	29.5	2,084	1,449	8.5	37.0	2,494	1,691	10.1	46.5	2,747	1,819	11.4	54.0
		27	1,843	1,342	8.1	34.3	2,241	1,610	9.5	42.7	2,681	1,879	11.2	53.2	2,954	2,021	12.6	61.6
		28	1,936	1,476	8.9	39.1	2,353	1,771	10.4	48.4	2,815	2,067	12.4	59.9	3,101	2,223	13.9	69.1
		29	2,028	1,624	9.7	44.0	2,466	1,949	11.4	54.0	2,949	2,273	13.5	66.6	3,249	2,445	15.2	76.7
	30	2,120	1,745	10.5	48.8	2,578	2,093	12.3	59.7	3,083	2,442	14.6	73.3	3,397	2,627	16.4	84.2	
	5	24	1,304	902	3.7	8.1	1,496	1,022	4.4	12.5	1,885	1,256	6.0	21.9	2,074	1,331	6.6	25.4
		25	1,478	1,061	4.2	11.3	1,696	1,203	5.1	16.3	2,137	1,478	6.9	27.0	2,350	1,566	7.5	31.0
		26	1,617	1,194	4.7	14.4	1,855	1,353	5.7	20.1	2,338	1,662	7.7	32.1	2,572	1,762	8.5	36.7
		27	1,739	1,326	5.3	17.5	1,995	1,504	6.3	23.9	2,514	1,847	8.6	37.3	2,765	1,958	9.4	42.3
		28	1,826	1,459	5.8	20.7	2,095	1,654	7.0	27.6	2,639	2,032	9.4	42.4	2,903	2,153	10.4	47.9
		29	1,913	1,605	6.3	23.8	2,195	1,819	7.6	31.4	2,765	2,235	10.3	47.5	3,042	2,369	11.3	53.5
	30	1,999	1,724	6.8	27.0	2,294	1,955	8.2	35.2	2,891	2,401	11.1	52.6	3,180	2,545	12.2	59.1	
	6	24	1,225	880	3.4	6.6	1,493	1,031	3.7	8.1	1,791	1,213	4.5	13.1	1,964	1,299	5.0	15.7
		25	1,389	1,036	3.9	9.6	1,692	1,213	4.2	11.3	2,030	1,427	5.2	17.0	2,226	1,528	5.7	20.0
		26	1,520	1,165	4.4	12.5	1,851	1,364	4.7	14.4	2,221	1,606	5.8	20.8	2,435	1,719	6.4	24.2
		27	1,634	1,295	4.9	15.4	1,990	1,516	5.3	17.5	2,388	1,784	6.5	24.7	2,618	1,910	7.1	28.4
		28	1,716	1,424	5.4	18.4	2,090	1,667	5.8	20.7	2,507	1,962	7.1	28.5	2,749	2,101	7.8	32.7
		29	1,797	1,566	5.9	21.3	2,189	1,834	6.3	23.8	2,627	2,159	7.8	32.4	2,880	2,311	8.5	36.9
	30	1,879	1,683	6.4	24.3	2,289	1,970	6.8	27.0	2,746	2,319	8.4	36.2	3,011	2,483	9.2	41.2	
	7	24	1,100	794	2.7	1.9	1,320	934	2.9	3.1	1,587	1,106	3.5	6.9	1,744	1,181	3.8	9.0
		25	1,246	935	3.0	4.2	1,496	1,099	3.3	5.6	1,798	1,301	4.0	9.9	1,976	1,389	4.4	12.3
		26	1,364	1,051	3.4	6.5	1,636	1,236	3.7	8.0	1,968	1,464	4.5	12.9	2,162	1,563	4.9	15.5
		27	1,466	1,168	3.8	8.7	1,760	1,374	4.1	10.4	2,116	1,626	5.0	15.9	2,325	1,737	5.5	18.8
		28	1,540	1,285	4.2	11.0	1,848	1,511	4.5	12.8	2,221	1,789	5.5	18.8	2,441	1,910	6.0	22.1
		29	1,613	1,414	4.6	13.3	1,936	1,662	4.9	15.3	2,327	1,968	6.0	21.8	2,558	2,101	6.6	25.3
	30	1,686	1,519	4.9	15.5	2,024	1,786	5.3	17.7	2,433	2,114	6.5	24.8	2,674	2,258	7.1	28.6	
	8	24	848	623	1.7	0.1	1,021	741	1.8	0.1	1,540	1,095	2.2	0.1	1,335	934	2.4	0.5
		25	961	733	1.9	0.1	1,157	871	2.1	0.1	1,745	1,288	2.5	1.2	1,513	1,099	2.8	2.5
26		1,052	824	2.1	0.1	1,266	980	2.3	0.1	1,909	1,449	2.8	3.1	1,656	1,236	3.1	4.6	
27		1,131	916	2.4	0.4	1,362	1,089	2.6	1.6	2,053	1,610	3.2	5.0	1,781	1,374	3.4	6.6	
28		1,188	1,007	2.6	1.8	1,430	1,198	2.9	3.2	2,155	1,771	3.5	6.9	1,870	1,511	3.8	8.7	
29		1,244	1,108	2.9	3.2	1,498	1,318	3.1	4.7	2,258	1,949	3.8	8.7	1,959	1,662	4.1	10.8	
30	1,301	1,163	3.1	4.6	1,566	1,383	3.4	6.3	2,361	2,045	4.1	10.6	2,048	1,744	4.5	12.8		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)				
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	
7	4	24	1,254	828	5.4	18.5	1,525	993	5.8	20.6	1,824	1,159	7.1	28.5	2,009	1,246	7.8	32.8	
		25	1,421	974	6.2	23.1	1,728	1,169	6.6	25.6	2,067	1,363	8.1	34.6	2,277	1,466	8.9	39.5	
		26	1,555	1,095	7.0	27.8	1,891	1,315	7.4	30.5	2,262	1,534	9.1	40.6	2,491	1,650	10.1	46.1	
		27	1,672	1,217	7.8	32.4	2,033	1,461	8.3	35.4	2,432	1,704	10.1	46.7	2,679	1,833	11.2	52.8	
		28	1,756	1,339	8.5	37.0	2,135	1,607	9.1	40.4	2,554	1,874	11.2	52.7	2,813	2,016	12.3	59.5	
		29	1,839	1,473	9.3	41.6	2,236	1,767	9.9	45.3	2,675	2,062	12.2	58.8	2,947	2,218	13.4	66.1	
	30	1,923	1,582	10.1	46.3	2,338	1,899	10.7	50.2	2,797	2,215	13.2	64.8	3,081	2,383	14.5	72.8		
	5	24	1,183	818	3.4	6.3	1,425	974	4.0	9.9	1,710	1,139	4.9	15.2	1,881	1,207	5.3	18.0	
		25	1,340	962	3.9	9.2	1,615	1,146	4.6	13.3	1,938	1,340	5.6	19.3	2,132	1,421	6.1	22.6	
		26	1,467	1,083	4.4	12.1	1,767	1,289	5.1	16.7	2,120	1,508	6.3	23.5	2,332	1,598	6.9	27.1	
		27	1,577	1,203	4.8	15.0	1,900	1,432	5.7	20.1	2,280	1,675	7.0	27.6	2,508	1,776	7.6	31.7	
		28	1,656	1,323	5.3	17.9	1,995	1,575	6.3	23.5	2,394	1,843	7.6	31.8	2,633	1,953	8.4	36.3	
		29	1,735	1,455	5.8	20.8	2,090	1,733	6.8	26.9	2,508	2,027	8.3	35.9	2,759	2,149	9.2	40.8	
	30	1,814	1,564	6.3	23.7	2,185	1,862	7.4	30.3	2,622	2,178	9.0	40.1	2,884	2,308	9.9	45.4		
	6	24	1,112	798	2.8	2.8	1,354	935	3.0	4.0	1,625	1,100	3.7	8.0	1,781	1,178	4.0	10.2	
		25	1,260	939	3.2	5.2	1,534	1,100	3.4	6.5	1,841	1,295	4.2	11.1	2,019	1,386	4.6	13.6	
		26	1,378	1,057	3.6	7.5	1,679	1,237	3.8	9.1	2,014	1,456	4.7	14.3	2,209	1,559	5.2	17.0	
		27	1,482	1,174	4.0	9.9	1,805	1,375	4.3	11.6	2,166	1,618	5.2	17.4	2,375	1,733	5.8	20.5	
		28	1,556	1,292	4.4	12.3	1,895	1,512	4.7	14.2	2,274	1,780	5.8	20.5	2,494	1,906	6.3	23.9	
		29	1,630	1,421	4.8	14.7	1,986	1,663	5.1	16.7	2,383	1,958	6.3	23.7	2,613	2,097	6.9	27.3	
	30	1,704	1,527	5.2	17.1	2,076	1,787	5.6	19.3	2,491	2,104	6.8	26.8	2,731	2,253	7.5	30.8		
	7	24	998	721	2.2	0.1	1,197	847	2.3	(0.1)	1,439	1,003	2.8	3.0	1,582	1,071	3.1	4.7	
		25	1,131	848	2.5	0.8	1,357	997	2.6	1.9	1,631	1,180	3.2	5.4	1,793	1,260	3.6	7.3	
		26	1,237	954	2.8	2.6	1,484	1,121	3.0	3.9	1,785	1,327	3.6	7.8	1,961	1,418	4.0	10.0	
		27	1,330	1,060	3.1	4.5	1,596	1,246	3.3	5.8	1,919	1,475	4.0	10.3	2,109	1,575	4.4	12.6	
		28	1,397	1,166	3.4	6.3	1,676	1,370	3.6	7.8	2,015	1,622	4.5	12.7	2,214	1,733	4.9	15.3	
		29	1,463	1,282	3.7	8.2	1,756	1,507	4.0	9.8	2,111	1,785	4.9	15.1	2,320	1,906	5.3	18.0	
	30	1,530	1,378	4.0	10.0	1,835	1,620	4.3	11.8	2,207	1,917	5.3	17.5	2,425	2,048	5.8	20.6		
	8	24	770	565	1.4	0.1	926	672	1.5	0.1	1,397	993	1.8	0.1	1,211	847	2.0	0.1	
		25	872	664	1.6	0.1	1,050	790	1.7	0.1	1,583	1,169	2.1	0.1	1,373	997	2.2	0.1	
		26	954	748	1.7	0.1	1,149	889	1.9	0.1	1,732	1,315	2.3	0.1	1,502	1,121	2.5	1.1	
		27	1,026	831	1.9	0.1	1,235	988	2.1	0.1	1,862	1,461	2.6	1.4	1,615	1,246	2.8	2.8	
		28	1,077	914	2.1	0.1	1,297	1,087	2.3	0.1	1,955	1,607	2.8	2.9	1,696	1,370	3.1	4.4	
		29	1,129	1,005	2.3	0.1	1,359	1,196	2.5	1.2	2,048	1,767	3.1	4.5	1,777	1,507	3.4	6.1	
	8	4	24	1,016	701	5.1	16.6	1,235	841	5.4	18.6	1,477	981	6.7	26.0	1,627	1,055	7.4	30.0
			25	1,151	824	5.8	20.9	1,400	989	6.2	23.2	1,674	1,154	7.6	31.7	1,844	1,241	8.4	36.3
			26	1,260	927	6.6	25.3	1,531	1,113	7.0	27.9	1,832	1,298	8.6	37.4	2,018	1,396	9.5	42.6
			27	1,354	1,030	7.3	29.6	1,647	1,236	7.8	32.5	1,970	1,442	9.5	43.1	2,170	1,551	10.5	48.9
			28	1,422	1,133	8.0	34.0	1,729	1,360	8.6	37.2	2,068	1,587	10.5	48.8	2,278	1,707	11.6	55.1
			29	1,490	1,247	8.8	38.4	1,811	1,496	9.3	41.8	2,167	1,745	11.5	54.5	2,387	1,877	12.6	61.4
		30	1,557	1,339	9.5	42.7	1,894	1,607	10.1	46.5	2,265	1,875	12.4	60.2	2,495	2,017	13.7	67.7	
		5	24	958	692	3.2	5.2	1,283	896	3.9	9.2	1,385	964	4.6	13.4	1,524	1,022	5.0	16.1
			25	1,086	814	3.6	7.9	1,454	1,054	4.4	12.5	1,570	1,134	5.2	17.3	1,727	1,202	5.7	20.4
			26	1,188	916	4.1	10.6	1,590	1,186	5.0	15.8	1,718	1,276	5.9	21.3	1,889	1,353	6.5	24.7
			27	1,277	1,018	4.6	13.3	1,710	1,317	5.5	19.1	1,847	1,418	6.5	25.2	2,031	1,503	7.2	29.0
			28	1,341	1,120	5.0	16.0	1,796	1,449	6.1	22.4	1,939	1,560	7.2	29.1	2,133	1,653	7.9	33.3
			29	1,405	1,232	5.5	18.8	1,881	1,594	6.6	25.7	2,031	1,716	7.9	33.0	2,235	1,819	8.6	37.6
		30	1,469	1,324	5.9	21.5	1,967	1,713	7.2	29.0	2,124	1,844	8.5	36.9	2,336	1,954	9.3	41.9	
6		24	900	676	2.6	1.8	1,097	791	2.8	2.9	1,316	931	3.5	6.7	1,443	997	3.8	8.7	
		25	1,020	795	3.0	4.0	1,243	931	3.2	5.3	1,491	1,096	3.9	9.7	1,635	1,173	4.3	12.0	
		26	1,116	894	3.4	6.3	1,360	1,047	3.6	7.7	1,632	1,233	4.4	12.6	1,789	1,320	4.9	15.2	
		27	1,200	994	3.8	8.5	1,462	1,164	4.0	10.1	1,754	1,370	4.9	15.6	1,924	1,467	5.4	18.4	
	28	1,260	1,093	4.1	10.8	1,535	1,280	4.4	12.5	1,842	1,507	5.4	18.5	2,020	1,613	6.0	21.7		
	29	1,320	1,153	4.5	13.0	1,608	1,350	4.8	14.9	1,930	1,589	5.9	21.4	2,116	1,701	6.5	24.9		
30	1,380	1,222	4.9	15.2	1,681	1,478	5.2	17.3	2,018	1,739	6.4	24.4	2,212	1,863	7.0	28.1			
7	24	808	610	2.0	0.1	970	717	2.2	0.1	1,166	849	2.7	2.0	1,281	907	2.9	3.6		
	25	916	718	2.3	0.1	1,099	844	2.5	1.0	1,321	999	3.0	4.3	1,452	1,067	3.3	6.1		
	26	1,002	807	2.6	1.7	1,202	949	2.8	2.8	1,446	1,124	3.4	6.6	1,589	1,200	3.8	8.6		
	27	1,077	897	2.9	3.4	1,293	1,054	3.1	4.7	1,554	1,248	3.8	8.8	1,708	1,333	4.2	11.1		
	28	1,131	987	3.2	5.1	1,357	1,160	3.4	6.5	1,632	1,373	4.2	11.1	1,794	1,467	4.6	13.6		
	29	1,185	1,040	3.5	6.8	1,422	1,223	3.7	8.4	1,710	1,448	4.6	13.4	1,879	1,547	5.0	16.1		
30	1,239	1,103	3.8	8.6	1,487	1,297	4.0	10.2	1,788	1,536	5.0	15.7	1,965	1,667	5.4	18.6			
8	24	623	478	1.3	0.1	750	569	1.4	0.1	1,131	841	1.7	0.1	981	717	1.8	0.1		
	25	706	562	1.5	0.1	850	669	1.6	0.1	1,282	989	1.9	0.1	1,112	844	2.1	0.1		
	26	773	633	1.6	0.1	930	753	1.8	0.1	1,403	1,113	2.2	0.1	1,217	949	2.4	0.2		
	27	831	703	1.8	0.1	1,000	836	2.0	0.1	1,508	1,236	2.4	0.5	1,308	1,054	2.6	1.8		
	28	873	773	2.0	0.1	1,050	920	2.2	0.1	1,584	1,360	2.7	1.9	1,374	1,160	2.9	3.4		
	29	914	815	2.2	0.1	1,100	970	2.4	0.3	1,659	1,434	2.9	3.4	1,439	1,223	3.2	4.9		
30	956	858	2.4	0.3	1,150	1,020	2.6	1.5	1,734	1,508	3.1	4.8	1,504	1,297	3.4	6.5			

**Note**  
 1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)



# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	843	598	4.3	11.8	1,025	718	4.6	13.5	1,226	837	5.6	19.7	1,351	901	6.2	23.1
		25	956	704	4.9	15.4	1,162	844	5.2	17.4	1,390	985	6.4	24.5	1,531	1,059	7.1	28.4
		26	1,046	791	5.5	19.1	1,271	950	5.9	21.3	1,521	1,108	7.2	29.3	1,675	1,192	8.0	33.6
		27	1,124	879	6.1	22.8	1,367	1,055	6.5	25.2	1,635	1,231	8.0	34.1	1,801	1,324	8.8	38.9
		28	1,180	967	6.8	26.4	1,435	1,161	7.2	29.1	1,717	1,354	8.8	38.9	1,891	1,457	9.7	44.2
		29	1,237	1,064	7.4	30.1	1,504	1,277	7.9	33.0	1,799	1,490	9.6	43.7	1,981	1,602	10.6	49.5
	30	1,293	1,143	8.0	33.8	1,572	1,372	8.5	36.9	1,881	1,601	10.4	48.5	2,072	1,722	11.5	54.8	
	5	24	795	591	2.7	2.1	1,169	828	3.6	7.3	1,150	823	3.9	9.1	1,265	872	4.2	11.4
		25	901	695	3.1	4.4	1,324	974	4.1	10.3	1,303	968	4.4	12.4	1,433	1,026	4.8	15.0
		26	986	782	3.5	6.7	1,449	1,095	4.6	13.4	1,426	1,089	5.0	15.7	1,568	1,155	5.4	18.6
		27	1,060	869	3.8	9.0	1,558	1,217	5.1	16.4	1,533	1,211	5.5	19.0	1,686	1,283	6.1	22.2
		28	1,113	956	4.2	11.3	1,636	1,339	5.6	19.4	1,610	1,332	6.1	22.3	1,771	1,411	6.7	25.8
		29	1,166	1,008	4.6	13.6	1,714	1,412	6.1	22.4	1,686	1,404	6.6	25.6	1,855	1,488	7.3	29.4
	30	1,219	1,060	5.0	15.9	1,792	1,485	6.6	25.5	1,763	1,477	7.2	28.8	1,939	1,565	7.9	33.1	
	6	24	747	577	2.2	0.1	910	675	2.4	0.3	1,092	795	2.9	3.5	1,198	851	3.2	5.2
		25	847	679	2.5	1.2	1,032	795	2.7	2.3	1,238	935	3.3	5.9	1,357	1,002	3.6	7.9
		26	927	764	2.8	3.1	1,129	894	3.0	4.3	1,354	1,052	3.7	8.4	1,485	1,127	4.1	10.6
		27	996	848	3.2	5.0	1,214	993	3.4	6.3	1,456	1,169	4.2	10.9	1,597	1,252	4.6	13.3
		28	1,046	908	3.5	6.9	1,274	1,063	3.7	8.3	1,529	1,251	4.6	13.4	1,677	1,340	5.0	16.0
		29	1,096	959	3.8	8.7	1,335	1,122	4.1	10.4	1,602	1,321	5.0	15.9	1,757	1,415	5.5	18.8
	30	1,146	1,018	4.1	10.6	1,396	1,192	4.4	12.4	1,675	1,403	5.4	18.3	1,836	1,502	5.9	21.5	
	7	24	671	521	1.7	0.1	805	612	1.8	0.1	968	725	2.2	0.1	1,064	774	2.5	0.8
		25	760	612	2.0	0.1	912	720	2.1	0.1	1,097	853	2.6	1.4	1,205	910	2.8	2.9
		26	832	689	2.2	0.1	998	810	2.4	0.2	1,200	959	2.9	3.3	1,319	1,024	3.2	5.0
		27	894	766	2.4	0.7	1,073	900	2.6	1.7	1,290	1,066	3.2	5.2	1,418	1,138	3.5	7.1
		28	939	819	2.7	2.1	1,127	963	2.9	3.3	1,355	1,140	3.5	7.2	1,489	1,218	3.9	9.2
		29	984	865	2.9	3.6	1,180	1,017	3.1	4.9	1,419	1,204	3.8	9.1	1,560	1,286	4.2	11.3
	30	1,028	919	3.2	5.0	1,234	1,080	3.4	6.4	1,484	1,279	4.2	11.0	1,631	1,366	4.6	13.4	
	8	24	517	408	1.1	0.1	623	485	1.2	0.1	939	718	1.4	0.1	814	612	1.5	0.1
		25	586	480	1.2	0.1	706	571	1.3	0.1	1,064	844	1.6	0.1	923	720	1.8	0.1
26		642	540	1.4	0.1	772	642	1.5	0.1	1,164	950	1.8	0.1	1,010	810	2.0	0.1	
27		690	600	1.5	0.1	830	714	1.7	0.1	1,252	1,055	2.0	0.1	1,086	900	2.2	0.1	
28		724	642	1.7	0.1	872	764	1.8	0.1	1,315	1,129	2.2	0.1	1,140	963	2.4	0.6	
29		759	678	1.8	0.1	913	807	2.0	0.1	1,377	1,193	2.4	0.7	1,195	1,017	2.7	1.9	
30	793	720	2.0	0.1	955	857	2.2	0.1	1,440	1,266	2.6	1.9	1,249	1,080	2.9	3.3		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)





# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	1,238	849	6.2	23.0	1,505	1,019	6.6	25.5	1,801	1,189	8.1	34.4	1,984	1,278	8.9	39.3
		25	1,403	999	7.1	28.3	1,706	1,199	7.5	31.1	2,041	1,398	9.2	41.3	2,248	1,504	10.2	46.9
		26	1,535	1,124	8.0	33.6	1,867	1,348	8.5	36.7	2,233	1,573	10.4	48.2	2,460	1,692	11.5	54.5
		27	1,651	1,249	8.8	38.8	2,007	1,498	9.4	42.3	2,401	1,748	11.6	55.1	2,645	1,880	12.7	62.1
		28	1,733	1,373	9.7	44.1	2,108	1,648	10.4	47.9	2,521	1,923	12.7	62.0	2,777	2,068	14.0	69.7
		29	1,816	1,511	10.6	49.4	2,208	1,813	11.3	53.6	2,641	2,115	13.9	68.9	2,910	2,275	15.3	77.3
	5	30	1,899	1,623	11.5	54.7	2,308	1,948	12.2	59.2	2,761	2,272	15.0	75.8	3,042	2,444	16.5	84.9
		24	1,168	839	3.9	9.2	1,716	1,175	5.1	16.6	1,688	1,169	5.5	19.2	1,857	1,239	6.1	22.5
		25	1,324	987	4.4	12.5	1,945	1,382	5.8	21.0	1,914	1,375	6.3	23.9	2,105	1,457	7.0	27.7
		26	1,448	1,110	5.0	15.8	2,128	1,555	6.6	25.3	2,094	1,547	7.1	28.7	2,303	1,639	7.8	32.9
		27	1,557	1,234	5.5	19.1	2,288	1,728	7.3	29.7	2,251	1,719	7.9	33.4	2,476	1,821	8.7	38.1
		28	1,635	1,357	6.1	22.4	2,402	1,901	8.0	34.0	2,364	1,890	8.7	38.1	2,600	2,004	9.6	43.3
	6	29	1,713	1,431	6.6	25.7	2,517	2,005	8.8	38.4	2,476	1,994	9.5	42.9	2,724	2,113	10.4	48.5
		30	1,791	1,505	7.2	28.9	2,631	2,108	9.5	42.7	2,589	2,097	10.3	47.6	2,848	2,222	11.3	53.6
		24	1,097	819	3.2	5.1	1,337	959	3.4	6.5	1,604	1,129	4.2	11.1	1,759	1,209	4.6	13.5
		25	1,244	964	3.6	7.8	1,515	1,128	3.9	9.4	1,818	1,328	4.8	14.6	1,993	1,422	5.2	17.4
		26	1,361	1,084	4.1	10.5	1,657	1,269	4.4	12.3	1,989	1,494	5.4	18.2	2,181	1,600	5.9	21.3
		27	1,463	1,204	4.5	13.2	1,782	1,410	4.9	15.2	2,139	1,660	6.0	21.8	2,345	1,777	6.6	25.3
	7	28	1,536	1,289	5.0	16.0	1,871	1,509	5.4	18.1	2,246	1,776	6.6	25.3	2,462	1,902	7.2	29.2
		29	1,610	1,361	5.5	18.7	1,960	1,593	5.8	21.0	2,352	1,876	7.2	28.9	2,579	2,008	7.9	33.1
		30	1,683	1,445	5.9	21.4	2,050	1,692	6.3	23.9	2,459	1,992	7.8	32.5	2,697	2,133	8.5	37.0
		24	985	739	2.5	0.8	1,182	869	2.6	1.8	1,421	1,029	3.2	5.4	1,562	1,099	3.5	7.3
		25	1,116	870	2.8	2.9	1,339	1,022	3.0	4.1	1,611	1,210	3.7	8.1	1,770	1,293	4.1	10.3
		26	1,221	978	3.2	4.9	1,466	1,150	3.4	6.3	1,762	1,362	4.2	10.9	1,937	1,454	4.6	13.3
	8	27	1,313	1,087	3.5	7.0	1,576	1,278	3.8	8.6	1,895	1,513	4.6	13.6	2,082	1,616	5.1	16.3
		28	1,379	1,163	3.9	9.1	1,655	1,367	4.1	10.8	1,989	1,619	5.1	16.4	2,186	1,729	5.6	19.4
		29	1,445	1,228	4.2	11.2	1,733	1,444	4.5	13.1	2,084	1,710	5.5	19.1	2,291	1,826	6.1	22.4
		30	1,510	1,304	4.6	13.3	1,812	1,533	4.9	15.3	2,179	1,815	6.0	21.9	2,395	1,939	6.6	25.4
		24	760	579	1.5	0.1	915	689	1.7	0.1	1,379	1,019	2.0	0.1	1,196	869	2.2	0.1
		25	861	682	1.8	0.1	1,036	811	1.9	0.1	1,563	1,199	2.3	0.1	1,355	1,022	2.5	1.3
9	26	942	767	2.0	0.1	1,134	912	2.2	0.1	1,710	1,348	2.6	1.8	1,483	1,150	2.9	3.2	
	27	1,013	852	2.2	0.1	1,219	1,014	2.4	0.4	1,838	1,498	2.9	3.5	1,595	1,278	3.2	5.1	
	28	1,064	912	2.4	0.6	1,280	1,084	2.6	1.9	1,930	1,603	3.2	5.3	1,674	1,367	3.5	7.0	
	29	1,114	963	2.7	1.9	1,341	1,145	2.9	3.3	2,022	1,693	3.5	7.0	1,754	1,444	3.8	8.9	
	30	1,165	1,022	2.9	3.2	1,402	1,216	3.1	4.8	2,114	1,798	3.8	8.8	1,834	1,533	4.1	10.8	

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)





# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	1,461	1,008	7.5	31.1	1,777	1,209	8.0	34.1	2,126	1,411	9.9	45.0	2,342	1,517	10.9	51.0
		25	1,656	1,186	8.6	37.5	2,014	1,423	9.2	41.0	2,409	1,660	11.3	53.4	2,654	1,785	12.4	60.2
		26	1,812	1,334	9.7	44.0	2,203	1,600	10.3	47.8	2,636	1,867	12.7	61.9	2,903	2,008	14.0	69.5
		27	1,949	1,482	10.8	50.4	2,369	1,778	11.5	54.7	2,834	2,075	14.1	70.3	3,122	2,232	15.5	78.8
		28	2,046	1,630	11.8	56.8	2,488	1,956	12.6	61.5	2,976	2,282	15.5	78.7	3,278	2,455	17.1	88.1
		29	2,143	1,793	12.9	63.3	2,606	2,152	13.8	68.4	3,118	2,510	16.9	87.1	3,434	2,700	18.6	97.3
	30	2,241	1,926	14.0	69.7	2,725	2,312	14.9	75.2	3,259	2,697	18.3	95.5	3,590	2,901	20.2	106.6	
	5	24	1,378	996	4.7	14.2	2,025	1,395	6.2	23.3	1,993	1,387	6.8	26.5	2,192	1,470	7.4	30.5
		25	1,562	1,172	5.4	18.3	2,295	1,641	7.1	28.6	2,258	1,632	7.7	32.3	2,484	1,729	8.5	36.8
		26	1,709	1,318	6.1	22.3	2,511	1,846	8.0	33.9	2,471	1,836	8.7	38.0	2,718	1,946	9.6	43.1
		27	1,838	1,464	6.7	26.3	2,700	2,051	8.9	39.2	2,657	2,040	9.7	43.8	2,923	2,162	10.6	49.5
		28	1,930	1,611	7.4	30.3	2,835	2,256	9.8	44.5	2,790	2,244	10.6	49.6	3,069	2,378	11.7	55.8
		29	2,022	1,699	8.1	34.3	2,970	2,379	10.7	49.9	2,923	2,366	11.6	55.3	3,215	2,508	12.7	62.1
	30	2,113	1,787	8.8	38.4	3,105	2,502	11.6	55.2	3,056	2,489	12.6	61.1	3,361	2,637	13.8	68.5	
	6	24	1,295	972	3.9	9.3	1,578	1,138	4.2	10.9	1,893	1,340	5.1	16.6	2,076	1,434	5.6	19.5
		25	1,468	1,144	4.4	12.6	1,788	1,339	4.8	14.5	2,146	1,576	5.8	20.9	2,353	1,688	6.4	24.3
		26	1,606	1,287	5.0	15.9	1,956	1,506	5.3	18.0	2,348	1,773	6.6	25.3	2,574	1,899	7.2	29.1
		27	1,727	1,430	5.5	19.2	2,104	1,674	5.9	21.6	2,524	1,970	7.3	29.6	2,768	2,110	8.0	33.9
		28	1,813	1,530	6.1	22.5	2,209	1,791	6.5	25.1	2,650	2,108	8.0	34.0	2,906	2,257	8.8	38.6
		29	1,900	1,615	6.7	25.8	2,314	1,891	7.1	28.7	2,777	2,226	8.7	38.3	3,045	2,384	9.6	43.4
	30	1,986	1,715	7.2	29.1	2,419	2,008	7.7	32.2	2,903	2,364	9.5	42.7	3,183	2,531	10.4	48.2	
	7	24	1,162	877	3.0	4.0	1,395	1,031	3.2	5.3	1,677	1,221	3.9	9.6	1,843	1,304	4.3	11.9
		25	1,317	1,032	3.4	6.5	1,581	1,213	3.7	8.0	1,901	1,437	4.5	13.0	2,089	1,534	4.9	15.6
		26	1,441	1,161	3.8	9.1	1,730	1,365	4.1	10.8	2,080	1,616	5.1	16.3	2,286	1,726	5.6	19.3
		27	1,550	1,290	4.3	11.6	1,860	1,517	4.6	13.5	2,236	1,796	5.6	19.7	2,458	1,918	6.2	23.0
		28	1,627	1,380	4.7	14.2	1,953	1,623	5.1	16.3	2,348	1,921	6.2	23.0	2,581	2,052	6.8	26.7
		29	1,705	1,458	5.1	16.7	2,046	1,714	5.5	19.0	2,460	2,029	6.7	26.4	2,704	2,167	7.4	30.4
	30	1,782	1,548	5.6	19.3	2,139	1,820	6.0	21.8	2,572	2,155	7.3	29.7	2,826	2,301	8.0	34.1	
	8	24	897	688	1.9	0.1	1,079	818	2.1	0.1	1,627	1,209	2.5	1.0	1,412	1,031	2.7	2.3
		25	1,016	809	2.2	0.1	1,223	962	2.3	0.1	1,844	1,423	2.9	3.1	1,600	1,213	3.1	4.6
26		1,112	910	2.4	0.6	1,338	1,083	2.6	1.8	2,018	1,600	3.2	5.3	1,750	1,365	3.5	7.0	
27		1,196	1,011	2.7	2.2	1,439	1,203	2.9	3.6	2,170	1,778	3.6	7.4	1,882	1,517	3.9	9.3	
28		1,255	1,082	3.0	3.8	1,511	1,287	3.2	5.3	2,278	1,903	3.9	9.5	1,976	1,623	4.3	11.6	
29		1,315	1,143	3.2	5.4	1,583	1,359	3.5	7.1	2,387	2,009	4.3	11.6	2,070	1,714	4.7	13.9	
30	1,375	1,213	3.5	7.0	1,655	1,444	3.8	8.8	2,495	2,134	4.6	13.8	2,164	1,820	5.0	16.2		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)





# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
7	4	24	2,710	1,970	12.9	38.1	3,290	2,360	13.7	41.9	3,940	2,750	16.8	55.6	4,340	2,960	18.5	62.8
		25	3,070	2,310	14.7	46.3	3,730	2,770	15.7	50.6	4,460	3,240	19.2	65.7	4,910	3,480	21.2	73.0
		26	3,360	2,600	16.5	54.3	4,080	3,120	17.6	59.0	4,880	3,640	21.6	74.6	5,380	3,920	23.8	81.4
		27	3,610	2,890	18.4	62.2	4,390	3,470	19.6	67.0	5,250	4,050	24.0	81.9	-	-	-	-
		28	3,790	3,180	20.2	69.4	4,610	3,810	21.5	74.3	-	-	-	-	-	-	-	-
		29	3,970	3,500	22.0	76.0	4,830	4,200	23.5	80.5	-	-	-	-	-	-	-	-
	30	4,150	3,760	23.9	81.5	5,050	4,510	25.4	85.3	-	-	-	-	-	-	-	-	
	24	2,550	1,940	8.0	18.3	3,080	2,310	9.5	23.8	3,690	2,710	11.5	32.4	4,060	2,870	12.7	37.3	
	25	2,890	2,280	9.2	22.7	3,490	2,720	10.8	29.3	4,180	3,180	13.2	39.6	4,600	3,370	14.5	45.3	
	26	3,160	2,570	10.3	27.3	3,810	3,060	12.2	35.1	4,580	3,580	14.8	46.9	5,030	3,790	16.3	53.3	
	27	3,400	2,860	11.5	32.1	4,100	3,400	13.5	43.7	4,920	3,980	16.5	54.1	5,410	4,220	18.1	61.0	
	28	3,570	3,140	12.6	37.1	4,310	3,740	14.9	47.0	5,170	4,380	18.1	61.1	5,680	4,640	19.9	68.3	
	29	3,740	3,460	13.8	42.2	4,510	4,110	16.2	52.9	5,410	4,810	19.8	67.8	5,950	5,100	21.7	74.9	
	30	3,910	3,710	14.9	47.3	4,720	4,420	17.6	58.8	5,660	5,170	21.4	73.9	6,220	5,480	23.5	80.5	
	24	2,400	1,900	6.6	13.4	2,920	2,220	7.1	15.0	3,510	2,610	8.7	20.8	3,840	2,800	9.5	24.1	
25	2,720	2,230	7.6	16.6	3,310	2,610	8.1	18.6	3,970	3,070	9.9	25.7	4,360	3,290	10.9	29.7		
26	2,970	2,510	8.5	20.1	3,620	2,940	9.1	22.4	4,350	3,460	11.2	30.9	4,770	3,700	12.3	35.6		
27	3,200	2,790	9.5	23.8	3,900	3,260	10.1	26.5	4,670	3,840	12.4	36.2	5,130	4,110	13.6	41.6		
28	3,360	3,070	10.4	27.6	4,090	3,590	11.1	30.7	4,910	4,230	13.7	41.7	5,380	4,530	15.0	47.6		
29	3,520	3,370	11.3	31.6	4,280	3,950	12.2	35.1	5,140	4,650	14.9	47.2	5,640	4,980	16.4	53.6		
30	3,680	3,620	12.3	35.6	4,480	4,240	13.2	39.5	5,380	4,990	16.1	52.7	5,890	5,350	17.7	59.5		
24	2,150	1,710	5.1	8.8	2,580	2,010	5.5	9.9	3,110	2,380	6.7	13.7	3,410	2,540	7.4	15.9		
25	2,440	2,010	5.8	10.9	2,930	2,370	6.3	12.2	3,520	2,800	7.7	17.0	3,870	2,990	8.4	19.8		
26	2,670	2,260	6.6	13.2	3,200	2,660	7.0	14.8	3,850	3,150	8.6	20.5	4,230	3,370	9.5	23.9		
27	2,870	2,520	7.3	15.7	3,440	2,960	7.8	17.6	4,140	3,500	9.6	24.3	4,550	3,740	10.5	28.2		
28	3,010	2,770	8.0	18.3	3,620	3,250	8.6	20.5	4,350	3,850	10.5	28.2	4,780	4,110	11.6	32.6		
29	3,160	3,040	8.7	21.0	3,790	3,580	9.4	23.5	4,560	4,240	11.5	32.3	5,010	4,530	12.6	37.2		
30	3,300	3,270	9.5	23.9	3,960	3,850	10.2	26.7	4,760	4,550	12.5	36.4	5,230	4,860	13.7	41.8		
24	1,660	1,340	3.2	4.2	2,000	1,600	3.5	4.8	3,010	2,360	4.3	6.5	2,610	2,010	4.6	7.5		
25	1,880	1,580	3.7	5.2	2,270	1,880	4.0	5.9	3,420	2,770	4.9	8.1	2,960	2,370	5.3	9.3		
26	2,060	1,770	4.1	6.2	2,480	2,110	4.5	7.1	3,740	3,120	5.5	9.8	3,240	2,660	6.0	11.3		
27	2,210	1,970	4.6	7.4	2,670	2,350	5.0	8.5	4,020	3,470	6.1	11.7	3,490	2,960	6.6	13.4		
28	2,320	2,170	5.0	8.6	2,800	2,580	5.5	9.9	4,220	3,810	6.7	13.6	3,660	3,250	7.3	15.6		
29	2,440	2,390	5.5	9.9	2,930	2,840	6.0	11.4	4,420	4,200	7.3	15.7	3,830	3,580	7.9	18.0		
30	2,550	2,500	6.0	11.3	3,060	2,980	6.5	13.0	4,620	4,400	7.9	17.8	4,010	3,760	8.6	20.4		
24	2,190	1,660	12.1	34.8	2,670	2,000	12.9	38.3	3,190	2,330	15.8	51.3	3,510	2,500	17.4	58.2		
25	2,480	1,960	13.8	42.4	3,020	2,350	14.7	46.5	3,610	2,740	18.1	61.0	3,980	2,950	19.9	68.4		
26	2,720	2,200	15.5	50.1	3,300	2,640	16.6	54.6	3,950	3,080	20.3	70.0	4,350	3,320	22.4	77.2		
27	2,920	2,450	17.3	57.6	3,550	2,940	18.4	62.4	4,250	3,420	22.6	77.8	4,680	3,680	24.9	84.1		
28	3,070	2,690	19.0	64.8	3,730	3,230	20.3	69.7	4,460	3,770	24.9	84.0	-	-	-	-		
29	3,210	2,960	20.7	71.4	3,910	3,550	22.1	76.2	-	-	-	-	-	-	-	-		
30	3,360	3,180	22.5	77.4	4,090	3,820	23.9	81.7	-	-	-	-	-	-	-	-		
24	2,070	1,640	7.6	16.6	2,770	2,130	9.2	22.6	2,990	2,290	10.8	29.5	3,290	2,430	11.9	34.0		
25	2,340	1,930	8.6	20.6	3,140	2,500	10.5	27.9	3,390	2,690	12.4	36.1	3,730	2,850	13.6	41.5		
26	2,560	2,180	9.7	24.8	3,430	2,820	11.8	33.5	3,710	3,030	13.9	43.0	4,080	3,210	15.3	49.1		
27	2,760	2,420	10.8	29.3	3,690	3,130	13.1	39.2	3,990	3,370	15.5	49.8	4,380	3,570	17.0	56.5		
28	2,890	2,660	11.9	33.9	3,870	3,440	14.4	45.0	4,180	3,700	17.0	56.6	4,600	3,930	18.7	63.6		
29	3,030	2,920	13.0	38.6	4,060	3,780	15.7	50.8	4,380	4,070	18.6	63.1	4,820	4,320	20.4	70.3		
30	3,170	3,140	14.0	43.4	4,240	4,070	17.0	56.5	4,580	4,380	20.1	69.2	5,040	4,640	22.1	76.3		
24	1,940	1,600	6.2	12.1	2,370	1,880	6.7	13.6	2,840	2,210	8.2	18.9	3,110	2,370	9.0	21.9		
25	2,200	1,890	7.1	15.1	2,680	2,210	7.6	16.8	3,220	2,600	9.3	23.4	3,530	2,790	10.3	27.0		
26	2,410	2,120	8.0	18.2	2,930	2,490	8.6	20.3	3,520	2,930	10.5	28.1	3,860	3,130	11.5	32.4		
27	2,590	2,360	8.9	21.6	3,150	2,760	9.5	24.1	3,790	3,250	11.7	33.0	4,150	3,480	12.8	38.0		
28	2,720	2,600	9.8	25.1	3,310	3,040	10.5	27.9	3,980	3,580	12.9	38.1	4,360	3,830	14.1	43.7		
29	2,850	2,740	10.7	28.7	3,470	3,200	11.4	32.0	4,160	3,770	14.0	43.3	4,570	4,040	15.4	49.4		
30	2,980	2,900	11.6	32.5	3,630	3,510	12.4	36.1	4,350	4,130	15.2	48.5	4,770	4,420	16.7	55.0		
24	1,740	1,450	4.8	7.9	2,090	1,700	5.2	8.9	2,520	2,020	6.3	12.4	2,760	2,150	6.9	14.4		
25	1,980	1,700	5.5	9.9	2,370	2,000	5.9	11.1	2,850	2,370	7.2	15.4	3,130	2,530	7.9	17.9		
26	2,160	1,920	6.2	12.0	2,590	2,250	6.6	13.4	3,120	2,670	8.1	18.6	3,430	2,850	8.9	21.7		
27	2,320	2,130	6.9	14.2	2,790	2,500	7.4	15.9	3,350	2,960	9.0	22.1	3,690	3,170	9.9	25.6		
28	2,440	2,340	7.5	16.6	2,930	2,750	8.1	18.6	3,520	3,260	9.9	25.6	3,870	3,480	10.9	29.7		
29	2,560	2,470	8.2	19.1	3,070	2,900	8.8	21.4	3,690	3,440	10.8	29.4	4,050	3,670	11.9	33.9		
30	2,670	2,620	8.9	21.7	3,210	3,080	9.6	24.3	3,860	3,650	11.7	33.2	4,240	3,960	12.9	38.2		
24	1,350	1,130	3.0	3.8	1,620	1,350	3.3	4.3	2,440	2,000	4.0	5.9	2,120	1,700	4.4	6.8		
25	1,520	1,340	3.5	4.7	1,830	1,590	3.8	5.4	2,770	2,350	4.6	7.3	2,400	2,000	5.0	8.4		
26	1,670	1,500	3.9	5.6	2,010	1,790	4.2	6.5	3,030	2,640	5.1	8.9	2,630	2,250	5.6	10.2		
27	1,790	1,670	4.3	6.7	2,160	1,990	4.7	7.7	3,250	2,940	5.7	10.6	2,820	2,500	6.2	12.1		
28	1,880	1,840	4.8	7.8	2,270	2,180	5.2	9.0	3,420	3,230	6.3	12.3	2,960	2,750	6.8	14.2		
29	1,970	1,940	5.2	9.0	2,370	2,300	5.6	10.3	3,580	3,400	6.9	14.2	3,110	2,900	7.5	16.3		
30	2,060	2,040	5.6	10.2	2,480	2,420	6.1	11.8	3,740	3,580	7.4	16.2	3,250	3,080	8.1	18.5		

**Note**  
 1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	1,820	1,420	10.2	26.7	2,210	1,700	10.9	29.5	2,650	1,990	13.3	40.2	2,920	2,140	14.7	46.2
		25	2,060	1,670	11.6	32.8	2,510	2,000	12.4	36.2	3,000	2,340	15.2	48.6	3,300	2,520	16.8	55.4
		26	2,260	1,880	13.1	39.2	2,740	2,260	14.0	43.0	3,280	2,630	17.1	57.0	3,620	2,830	18.9	64.2
		27	2,430	2,090	14.5	45.6	2,950	2,510	15.5	49.9	3,530	2,920	19.0	64.9	3,890	3,140	21.0	72.3
		28	2,550	2,300	16.0	52.0	3,100	2,760	17.1	56.6	3,710	3,220	20.9	72.2	4,080	3,460	23.1	79.2
		29	2,670	2,530	17.5	58.3	3,240	3,030	18.6	63.2	3,880	3,540	22.8	78.6	-	-	-	-
	30	2,790	2,710	18.9	64.4	3,390	3,260	20.2	69.3	4,060	3,800	24.7	83.7	-	-	-	-	
	5	24	1,720	1,400	6.4	12.6	2,520	1,970	8.4	19.7	2,480	1,950	9.1	22.5	2,730	2,070	10.0	26.1
		25	1,940	1,650	7.3	15.6	2,860	2,310	9.6	24.4	2,810	2,300	10.4	27.8	3,090	2,440	11.5	32.1
		26	2,130	1,860	8.2	18.9	3,130	2,600	10.8	29.3	3,080	2,590	11.7	33.3	3,380	2,740	12.9	38.3
		27	2,290	2,060	9.1	22.3	3,360	2,890	12.0	34.5	3,310	2,870	13.0	39.0	3,640	3,050	14.3	44.7
		28	2,400	2,270	10.0	26.0	3,530	3,180	13.2	39.7	3,470	3,160	14.4	44.8	3,820	3,350	15.8	51.0
		29	2,520	2,390	10.9	29.7	3,700	3,350	14.4	45.1	3,640	3,330	15.7	50.5	4,000	3,530	17.2	57.2
	30	2,630	2,520	11.8	33.6	3,870	3,530	15.6	50.4	3,800	3,510	17.0	56.2	4,180	3,720	18.6	63.3	
	6	24	1,610	1,370	5.2	9.2	1,960	1,600	5.6	10.2	2,360	1,890	6.9	14.3	2,580	2,020	7.6	16.6
		25	1,830	1,610	6.0	11.4	2,230	1,890	6.4	12.7	2,670	2,220	7.9	17.7	2,930	2,380	8.6	20.6
		26	2,000	1,810	6.7	13.8	2,440	2,120	7.2	15.4	2,920	2,500	8.9	21.4	3,200	2,680	9.7	24.8
		27	2,150	2,010	7.5	16.4	2,620	2,360	8.0	18.3	3,140	2,780	9.8	25.3	3,450	2,970	10.8	29.3
		28	2,260	2,160	8.2	19.1	2,750	2,520	8.8	21.3	3,300	2,970	10.8	29.4	3,620	3,180	11.9	33.9
		29	2,370	2,280	9.0	21.9	2,880	2,660	9.6	24.4	3,460	3,140	11.8	33.6	3,790	3,360	13.0	38.6
	30	2,470	2,420	9.7	24.9	3,010	2,830	10.4	27.7	3,610	3,330	12.8	37.8	3,960	3,570	14.0	43.4	
	7	24	1,450	1,240	4.0	6.0	1,740	1,450	4.3	6.8	2,090	1,720	5.3	9.4	2,300	1,840	5.8	10.9
		25	1,640	1,450	4.6	7.5	1,970	1,710	5.0	8.4	2,370	2,020	6.1	11.6	2,600	2,160	6.7	13.6
		26	1,790	1,640	5.2	9.0	2,150	1,920	5.6	10.2	2,590	2,280	6.8	14.1	2,850	2,430	7.5	16.4
		27	1,930	1,820	5.8	10.7	2,320	2,140	6.2	12.0	2,780	2,530	7.6	16.7	3,060	2,700	8.3	19.5
		28	2,030	1,950	6.4	12.5	2,430	2,290	6.8	14.1	2,920	2,710	8.4	19.5	3,210	2,890	9.2	22.7
		29	2,120	2,050	6.9	14.4	2,550	2,410	7.4	16.2	3,060	2,860	9.1	22.4	3,370	3,050	10.0	26.0
	30	2,220	2,180	7.5	16.4	2,660	2,560	8.1	18.4	3,200	3,040	9.9	25.4	3,520	3,240	10.8	29.5	
	8	24	1,120	970	2.5	2.9	1,340	1,150	2.8	3.3	2,030	1,700	3.4	4.5	1,760	1,450	3.7	5.1
		25	1,270	1,140	2.9	3.6	1,520	1,360	3.2	4.1	2,300	2,000	3.8	5.6	1,990	1,710	4.2	6.4
26		1,380	1,280	3.3	4.3	1,670	1,530	3.6	4.9	2,510	2,260	4.3	6.7	2,180	1,920	4.7	7.7	
27		1,490	1,420	3.6	5.1	1,790	1,690	4.0	5.8	2,700	2,510	4.8	8.0	2,340	2,140	5.2	9.2	
28		1,560	1,520	4.0	5.9	1,880	1,810	4.4	6.8	2,840	2,680	5.3	9.3	2,460	2,290	5.8	10.7	
29		1,640	1,610	4.4	6.8	1,970	1,920	4.7	7.8	2,970	2,830	5.8	10.7	2,580	2,410	6.3	12.3	
30	1,710	1,710	4.7	7.7	2,060	2,030	5.1	8.9	3,110	3,010	6.3	12.2	2,690	2,560	6.8	14.0		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

### ◆ WF4A060CG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)								
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)					
4	4	24	5.832	3.619	20.1	39.0	6.368	4.102	22.0	45.8	7.618	4.786	24.9	57.9	8.391	5.148	28.7	78.0					
		25	6.610	4.258	23.0	49.5	7.217	4.826	25.2	59.1	8.633	5.630	28.5	76.4	9.510	6.056	32.8	105.7					
		26	7.232	4.790	25.9	62.4	7.896	5.429	28.3	75.6	9.446	6.334	32.0	99.7	10,405	6,813	36.9	140.8					
		27	7.776	5.323	28.7	78.0	8.490	6.032	31.5	95.7	10,157	7,038	35.6	128.3	-	-	-	-					
		28	8.165	5.855	31.6	96.7	8,915	6,636	34.6	120.0	-	-	-	-	-	-	-	-					
		29	8,554	6,440	34.5	118.8	-	-	-	-	-	-	-	-	-	-	-	-	-				
	5	4	30	8,943	6,919	37.3	144.8	-	-	-	-	-	-	-	-	-	-	-	-				
			24	4.940	3.333	14.4	23.5	5.175	3.623	16.0	27.2	7,142	4,705	21.1	42.3	7,856	4,987	24.9	57.9				
			25	5.598	3,921	16.4	28.3	5,865	4,262	18.2	33.2	8,094	5,536	24.1	54.2	8,903	5,867	28.5	76.4				
			26	6.125	4,412	18.5	33.9	6,417	4,795	20.5	40.4	8,855	6,228	27.1	68.8	9,741	6,600	32.0	99.7				
			27	6.586	4,902	20.5	40.4	6,900	5,328	22.8	48.8	9,522	6,919	30.1	86.5	10,474	7,333	35.6	128.3				
			28	6,915	5,392	22.6	47.9	7,245	5,861	25.1	58.7	9,998	7,611	33.1	107.8	-	-	-	-				
		5	4	29	7,245	5,931	24.6	56.6	7,590	6,447	27.4	70.2	10,474	8,373	36.1	133.2	-	-	-	-			
				30	7,574	6,372	26.7	66.6	7,935	6,926	29.6	83.6	-	-	-	-	-	-	-	-			
				24	4.642	3.217	12.4	19.6	5,654	3,861	14.9	24.8	6,784	4,544	17.6	31.5	7,439	4,866	20.1	39.0			
				25	5.261	3,785	14.2	23.2	6,408	4,542	17.1	30.0	7,689	5,346	20.1	39.1	8,431	5,725	23.0	49.5			
				26	5.756	4,258	16.0	27.3	7,011	5,110	19.2	36.1	8,413	6,015	22.7	48.2	9,224	6,440	25.9	62.4			
				27	6,189	4,731	17.8	31.9	7,538	5,678	21.3	43.3	9,046	6,683	25.2	59.1	9,919	7,156	28.7	78.0			
			6	4	28	6,499	5,204	19.6	37.2	7,915	6,245	23.5	51.6	9,498	7,351	27.7	72.0	10,415	7,872	31.6	96.7		
					29	6,808	5,725	21.3	43.3	8,292	6,870	25.6	61.2	9,950	8,086	30.2	87.2	10,911	8,659	34.5	118.8		
					30	7,118	6,151	23.1	50.1	8,669	7,381	27.7	72.4	10,403	8,688	32.7	104.9	11,407	9,303	37.3	144.8		
					24	4.166	2,976	10.3	15.8	4,999	3,499	11.1	17.1	6,011	4,142	13.6	21.9	6,606	4,424	14.9	24.8		
					25	4,721	3,501	11.8	18.4	5,666	4,116	12.7	20.0	6,812	4,873	15.5	26.2	7,487	5,204	17.1	30.0		
					26	5,166	3,939	13.3	21.2	6,199	4,631	14.3	23.3	7,453	5,482	17.5	31.1	8,191	5,855	19.2	36.1		
				7	4	27	5,555	4,376	14.8	24.4	6,665	5,145	15.9	27.0	8,014	6,092	19.4	36.8	8,808	6,505	21.3	43.3	
						28	5,832	4,814	16.3	27.9	6,999	5,660	17.5	31.0	8,415	6,701	21.4	43.4	9,248	7,156	23.5	51.6	
						29	6,110	5,295	17.7	31.8	7,332	6,226	19.0	35.6	8,816	7,371	23.3	50.9	9,689	7,872	25.6	61.2	
						30	6,388	5,689	19.2	36.1	7,665	6,689	20.6	40.8	9,217	7,919	25.3	59.5	10,129	8,457	27.7	72.4	
						24	3.214	2,333	6.5	9.7	3,868	2,775	7.1	10.6	5,832	4,102	8.6	12.9	5,059	3,499	9.4	14.2	
						25	3,642	2,744	7.4	11.1	4,384	3,265	8.1	12.1	6,610	4,826	9.8	14.9	5,733	4,116	10.7	16.4	
8					4	26	3,985	3,087	8.4	12.6	4,797	3,673	9.1	13.7	7,232	5,429	11.1	17.0	6,273	4,631	12.1	18.8	
						27	4,285	3,430	9.3	14.0	5,158	4,081	10.1	15.4	7,776	6,032	12.3	19.3	6,745	5,145	13.4	21.5	
						28	4,499	3,773	10.2	15.6	5,416	4,489	11.1	17.1	8,165	6,636	13.5	21.7	7,082	5,660	14.7	24.3	
						29	4,713	4,151	11.2	17.2	5,674	4,938	12.1	19.0	8,554	7,299	14.8	24.4	7,419	6,226	16.1	27.5	
						30	4,928	4,459	12.1	18.9	5,931	5,305	13.2	21.0	9,943	7,842	16.0	27.3	7,756	6,689	17.4	31.0	
						24	4,366	3,059	18.8	35.0	5,309	3,671	22.1	46.2	6,350	4,282	26.2	64.2	6,995	4,606	29.5	82.7	
	5				4	25	4,948	3,599	21.5	44.0	6,016	4,318	25.3	59.7	7,197	5,038	30.0	85.7	7,928	5,419	33.7	112.6	
						26	5,414	4,048	24.2	54.8	6,583	4,858	28.4	76.4	7,874	5,668	33.7	112.6	8,674	6,096	37.9	150.5	
						27	5,821	4,498	26.9	67.9	7,078	5,398	31.6	96.7	8,467	6,297	37.5	145.9	-	-	-	-	
						28	6,112	4,948	29.6	83.4	7,432	5,938	34.8	121.3	-	-	-	-	-	-	-	-	
						29	6,403	5,443	32.3	101.8	-	-	-	-	-	-	-	-	-	-	-	-	-
						30	6,694	5,848	35.0	123.3	-	-	-	-	-	-	-	-	-	-	-	-	-
		6			4	24	4,118	3,023	12.3	19.3	4,725	3,427	14.8	24.4	5,954	4,210	20.0	38.6	6,549	4,462	22.0	45.5	
						25	4,667	3,556	14.0	22.8	5,355	4,032	16.9	29.5	6,747	4,953	22.8	49.0	7,422	5,250	25.1	58.8	
						26	5,106	4,001	15.8	26.8	5,859	4,536	19.0	35.4	7,382	5,572	25.7	61.7	8,121	5,906	28.2	75.1	
						27	5,490	4,445	17.6	31.3	6,300	5,040	21.1	42.4	7,938	6,192	28.6	77.0	8,732	6,562	31.4	95.1	
						28	5,765	4,890	19.3	36.4	6,615	5,544	23.2	50.4	8,335	6,811	31.4	95.4	9,168	7,218	34.5	119.1	
						29	6,039	5,379	21.1	42.3	6,930	6,098	25.3	59.8	8,732	7,492	34.3	117.2	9,605	7,940	37.6	147.7	
			5		4	30	6,314	5,779	22.8	48.9	7,245	6,552	27.4	70.6	9,129	8,049	37.1	142.7	-	-	-	-	
						24	3,870	2,951	11.5	17.7	4,713	3,455	12.3	19.3	5,656	4,066	15.1	25.1	6,202	4,354	16.6	28.6	
						25	4,386	3,472	13.1	20.9	5,342	4,064	14.0	22.8	6,410	4,784	17.2	30.4	7,028	5,123	18.9	35.2	
						26	4,799	3,905	14.7	24.3	5,844	4,572	15.8	26.8	7,013	5,382	19.4	36.7	7,690	5,763	21.3	43.0	
						27	5,160	4,339	16.4	28.2	6,284	5,080	17.6	31.3	7,541	5,980	21.5	44.0	8,269	6,403	23.6	52.3	
						28	5,418	4,773	18.0	32.6	6,598	5,588	19.3	36.4	7,918	6,578	23.7	52.5	8,682	7,044	26.0	63.2	
				6	4	29	5,676	5,251	19.7	37.6	6,913	6,147	21.1	42.3	8,295	7,236	25.8	62.4	9,096	7,748	28.4	75.9	
						30	5,934	5,641	21.3	43.1	7,227	6,604	22.8	48.9	8,672	7,774	28.0	73.8	9,509	8,324	30.7	90.7	
						24	3,473	2,663	8.8	13.3	4,167	3,131	9.5	14.4	5,011	3,707	11.6	18.0	5,507	3,958	12.8	20.2	
						25	3,936	3,133	10.1	15.4	4,723	3,683	10.9	16.7	5,679	4,361	13.3	21.2	6,241	4,657	14.6	24.0	
						26	4,306	3,524	11.4	17.6	5,168	4,144	12.2	19.1	6,213	4,906	15.0	24.8	6,829	5,239	16.4	28.4	
						27	4,631	3,916	12.6	19.9	5,557	4,604	13.6	21.8	6,681	5,451	16.6	28.8	7,343	5,821	18.3	33.3	
7					4	28	4,862	4,308	13.9	22.5	5,834	5,064	14.9	24.8	7,015	5,996	18.3	33.4	7,710	6,403	20.1	38.9	
						29	5,094	4,738	15.2	25.3	6,112	5,571	16.3	28.0	7,349	6,595	19.9	38.5	8,077	7,044	21.9	45.4	
						30	5,325	5,091	16.4	28.4	6,390	5,985	17.7	31.6	7,683	7,086	21.6	44.2	8,444	7,568	23.7	52.7	
						24	2,679	2,087	5.6	8.4	3,225	2,483	6.1	9.1	4,862	3,671	7.4	11.0	4,217	3,131	8.0	12.0	
						25	3,036	2,455	6.4	9.5	3,655	2,921	6.9	10.4	5,510	4,318	8.4	12.6	4,779	3,683	9.2	13.8	
						26	3,322	2,762	7.2	10.7	3,999	3,286	7.8	11.7	6,029	4,858	9.5	14.3	5,229	4,144	10.3	15.7	
	8				4	27	3,572	3,069	8.0	11.9	4,300	3,651	8.7	13.0	6,483	5,398	10.5	16.1	5,623	4,604	11.5	17.7	
						28	3,751	3,376	8.8	13.2	4,515	4,017	9.5	14.4	6,807	5,938	11.6	18.0	5,904	5,064	12.6	19.9	
						29	3,929	3,714	9.6	14.4	4,730	4,418	10.4	15.8	7,131	6,531	12.6	19.9	6,185	5,571	13.8	22.2	
						30	4,108	3,898	10.3	15.8	4,945	4,637	11.3	17.4	7,455	6,855	13.7	22.1	6,466	5,847	14.9	24.7	

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

## 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
7	4	24	3,960	2,774	18.1	32.8	4,815	3,329	19.3	36.4	5,760	3,884	23.7	52.4	6,345	4,178	26.1	63.5
		25	4,488	3,264	20.7	40.9	5,457	3,917	22.0	45.8	6,528	4,570	27.1	68.6	7,191	4,915	29.8	84.6
		26	4,910	3,672	23.3	50.7	5,971	4,406	24.8	57.4	7,142	5,141	30.4	88.8	7,868	5,530	33.5	111.1
		27	5,280	4,080	25.8	62.4	6,420	4,896	27.6	71.3	7,680	5,712	33.8	113.5	8,460	6,144	37.2	143.7
		28	5,544	4,488	28.4	76.2	6,741	5,386	30.3	87.9	8,064	6,283	37.2	143.4	-	-	-	-
		29	5,808	4,937	31.0	92.6	7,062	5,924	33.1	107.5	-	-	-	-	-	-	-	-
5	4	30	6,072	5,304	33.6	111.7	7,383	6,365	35.8	130.5	-	-	-	-	-	-	-	-
		24	3,735	2,742	11.3	17.4	4,500	3,264	13.3	21.2	5,400	3,819	16.2	27.8	5,940	4,047	17.8	32.0
		25	4,233	3,226	12.9	20.5	5,100	3,840	15.2	25.4	6,120	4,493	18.5	34.1	6,732	4,762	20.4	39.9
		26	4,631	3,629	14.5	23.9	5,580	4,320	17.1	30.1	6,696	5,054	20.9	41.6	7,366	5,357	22.9	49.3
		27	4,980	4,032	16.2	27.6	6,000	4,800	19.0	38.2	7,200	5,616	23.2	50.4	7,920	5,952	25.5	60.5
		28	5,229	4,435	17.8	31.9	6,300	5,280	20.9	41.7	7,560	6,178	25.5	60.7	8,316	6,547	28.0	73.8
6	4	29	5,478	4,879	19.4	36.7	6,600	5,808	22.8	48.8	7,920	6,795	27.8	72.8	8,712	7,202	30.6	89.5
		30	5,727	5,242	21.0	42.0	6,900	6,240	24.7	56.9	8,280	7,301	30.1	86.8	9,108	7,738	33.1	107.8
		24	3,510	2,676	9.3	14.0	4,275	3,133	10.0	15.1	5,130	3,688	12.2	19.2	5,625	3,949	13.4	21.5
		25	3,978	3,149	10.6	16.3	4,845	3,686	11.4	17.6	5,814	4,339	14.0	22.7	6,375	4,646	15.4	25.7
		26	4,352	3,542	12.0	18.7	5,301	4,147	12.8	20.3	6,361	4,882	15.7	26.6	6,975	5,227	17.3	30.5
		27	4,680	3,936	13.3	21.2	5,700	4,608	14.3	23.2	6,840	5,424	17.5	31.1	7,500	5,808	19.2	36.1
7	4	28	4,914	4,330	14.6	24.1	5,985	5,069	15.7	26.5	7,182	5,966	19.2	36.2	7,875	6,389	21.1	42.4
		29	5,148	4,763	16.0	27.2	6,270	5,576	17.1	30.1	7,524	6,563	21.0	42.0	8,250	7,028	23.0	49.7
		30	5,382	5,117	17.3	30.6	6,555	5,990	18.5	34.1	7,866	7,051	22.7	48.5	8,625	7,550	24.9	58.1
		24	3,150	2,415	7.2	10.7	3,780	2,840	7.7	11.5	4,545	3,362	9.4	14.3	4,995	3,590	10.4	15.8
		25	3,570	2,842	8.2	12.3	4,284	3,341	8.8	13.3	5,151	3,955	10.8	16.5	5,661	4,224	11.9	18.4
		26	3,906	3,197	9.2	13.9	4,687	3,758	9.9	15.0	5,636	4,450	12.1	19.0	6,194	4,752	13.3	21.3
8	4	27	4,200	3,552	10.3	15.6	5,040	4,176	11.0	16.9	6,060	4,944	13.5	21.6	6,660	5,280	14.8	24.5
		28	4,410	3,907	11.3	17.4	5,292	4,594	12.1	18.9	6,363	5,438	14.8	24.5	6,993	5,808	16.3	28.0
		29	4,620	4,298	12.3	19.3	5,544	4,953	13.2	21.1	6,666	5,982	16.2	27.7	7,326	6,389	17.8	31.9
		30	4,830	4,618	13.3	21.3	5,796	5,429	14.3	23.4	6,969	6,427	17.5	31.3	7,659	6,864	19.3	36.3
		24	2,430	1,893	4.5	6.8	2,925	2,252	4.9	7.4	3,410	3,329	6.0	9.0	3,825	2,840	6.5	9.7
		25	2,754	2,227	5.2	7.8	3,315	2,650	5.6	8.4	3,998	3,917	6.8	10.2	4,335	3,341	7.4	11.1
9	4	26	3,013	2,506	5.8	8.7	3,627	2,981	6.3	9.5	4,468	4,406	7.7	11.5	4,743	3,758	8.4	12.6
		27	3,240	2,784	6.5	9.7	3,900	3,312	7.0	10.5	4,880	4,896	8.6	12.8	5,100	4,176	9.3	14.0
		28	3,402	3,062	7.1	10.6	4,095	3,643	7.7	11.6	5,174	5,386	9.4	14.2	5,355	4,594	10.2	15.6
		29	3,564	3,369	7.8	11.6	4,290	4,008	8.4	12.7	5,468	5,924	10.3	15.6	5,610	5,053	11.2	17.2
		30	3,726	3,536	8.4	12.6	4,485	4,206	9.1	13.8	5,762	6,218	11.1	17.1	5,865	5,304	12.1	18.9
		10	4	24	3,208	2,348	17.0	29.9	3,900	2,818	18.1	33.0	4,666	3,288	22.3	46.7	5,139	3,536
25	3,635			2,763	19.5	36.9	4,420	3,315	20.7	41.1	5,288	3,868	25.5	60.5	5,825	4,160	28.0	74.0
26	3,977			3,108	21.9	45.2	4,836	3,730	23.3	51.0	5,785	4,351	28.6	77.5	6,373	4,680	31.5	96.2
27	4,277			3,453	24.3	55.2	5,200	4,144	25.9	62.8	6,221	4,835	31.8	98.3	6,853	5,200	35.0	123.6
28	4,491			3,799	26.7	67.0	5,460	4,558	28.5	76.8	6,532	5,318	35.0	123.3	7,195	5,720	38.5	156.8
29	4,704			4,179	29.2	80.7	5,720	5,014	31.1	93.3	6,843	5,850	38.2	153.1	-	-	-	-
11	4	30	4,918	4,489	31.6	96.8	5,980	5,387	33.7	112.5	-	-	-	-	-	-	-	-
		24	3,025	2,321	10.6	16.3	4,050	3,003	12.9	20.4	4,374	3,232	15.3	25.5	4,811	3,426	16.8	29.2
		25	3,429	2,730	12.2	19.0	4,590	3,533	14.7	24.3	4,957	3,803	17.4	31.0	5,453	4,030	19.2	36.0
		26	3,751	3,071	13.7	22.0	5,022	3,974	16.6	28.7	5,424	4,278	19.6	37.4	5,966	4,534	21.6	44.1
		27	4,034	3,413	15.2	25.4	5,400	4,416	18.4	33.8	5,832	4,753	21.8	45.0	6,415	5,038	24.0	53.6
		28	4,235	3,754	16.7	29.1	5,670	4,858	20.3	39.5	6,124	5,229	24.0	53.8	6,736	5,542	26.4	64.9
12	4	29	4,437	4,129	18.2	33.2	5,940	5,343	22.1	46.1	6,415	5,752	26.2	64.0	7,057	6,096	28.7	78.1
		30	4,639	4,436	19.8	37.8	6,210	5,741	24.0	53.6	6,707	6,179	28.4	75.8	7,377	6,549	31.1	93.5
		24	2,843	2,265	8.8	13.2	3,463	2,652	9.4	14.2	4,155	3,122	11.5	17.8	4,556	3,343	12.6	19.9
		25	3,222	2,665	10.0	15.2	3,924	3,120	10.7	16.4	4,709	3,673	13.2	21.0	5,164	3,933	14.4	23.7
		26	3,525	2,998	11.3	17.4	4,294	3,510	12.1	18.8	5,153	4,132	14.8	24.5	5,650	4,424	16.3	27.9
		27	3,791	3,331	12.5	19.7	4,617	3,900	13.4	21.5	5,540	4,591	16.4	28.4	6,075	4,916	18.1	32.7
13	4	28	3,980	3,665	13.8	22.2	4,848	4,290	14.7	24.3	5,817	5,050	18.1	32.8	6,379	5,407	19.9	38.2
		29	4,170	3,864	15.0	24.9	5,079	4,524	16.1	27.5	6,094	5,325	19.7	37.8	6,683	5,702	21.7	44.5
		30	4,359	4,098	16.3	27.9	5,310	4,953	17.4	31.0	6,371	5,830	21.4	43.4	6,986	6,243	23.5	51.6
		24	2,552	2,044	6.8	10.1	3,062	2,404	7.3	10.8	3,681	2,846	8.9	13.4	4,046	3,039	9.8	14.8
		25	2,892	2,405	7.7	11.6	3,470	2,828	8.3	12.4	4,172	3,348	10.2	15.4	4,585	3,575	11.2	17.2
		26	3,164	2,706	8.7	13.1	3,797	3,181	9.3	14.1	4,565	3,766	11.4	17.7	5,017	4,022	12.5	19.8
14	4	27	3,402	3,006	9.7	14.6	4,082	3,535	10.4	15.8	4,909	4,185	12.7	20.0	5,395	4,469	13.9	22.6
		28	3,572	3,307	10.6	16.2	4,287	3,888	11.4	17.6	5,154	4,603	14.0	22.6	5,664	4,916	15.3	25.7
		29	3,742	3,487	11.6	17.9	4,491	4,100	12.4	19.6	5,399	4,854	15.2	25.4	5,934	5,184	16.7	29.1
		30	3,912	3,698	12.5	19.8	4,695	4,348	13.5	21.6	5,645	5,147	16.5	28.5	6,204	5,586	18.1	32.9
		24	1,968	1,602	4.3	6.4	2,369	1,906	4.6	7.0	3,572	2,818	5.6	8.4	3,098	2,404	6.1	9.2
		25	2,231	1,885	4.9	7.3	2,685	2,243	5.3	7.9	4,048	3,315	6.4	9.6	3,511	2,828	7.0	10.5
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# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	2,663	2,005	14.3	23.4	3,238	2,405	15.3	25.5	3,873	2,806	18.8	34.7	4,266	3,019	20.6	40.8
		25	3,018	2,358	16.4	28.2	3,669	2,830	17.5	31.0	4,389	3,302	21.4	43.6	4,835	3,551	23.6	52.1
		26	3,302	2,653	18.4	33.8	4,015	3,184	19.6	37.5	4,803	3,714	24.1	54.3	5,290	3,995	26.5	65.9
		27	3,550	2,948	20.5	40.2	4,317	3,537	21.8	45.0	5,164	4,127	26.8	67.2	5,689	4,439	29.5	82.7
		28	3,728	3,243	22.5	47.7	4,533	3,891	24.0	53.8	5,422	4,540	29.5	82.5	5,973	4,883	32.4	102.9
		29	3,905	3,567	24.6	56.3	4,748	4,280	26.2	64.1	5,680	4,994	32.1	100.6	6,257	5,371	35.4	126.7
	30	4,083	3,832	26.6	66.2	4,964	4,599	28.4	75.9	5,939	5,365	34.8	121.8	-	-	-	-	
	5	24	2,511	1,981	9.0	13.5	3,690	2,774	11.8	18.4	3,631	2,759	12.9	20.4	3,994	2,924	14.1	23.0
		25	2,846	2,330	10.2	15.6	4,182	3,264	13.5	21.7	4,115	3,246	14.7	24.2	4,527	3,440	16.1	27.6
		26	3,114	2,622	11.5	17.8	4,576	3,672	15.2	25.4	4,502	3,652	16.5	28.6	4,953	3,870	18.2	33.0
		27	3,349	2,913	12.8	20.2	4,920	4,080	16.9	29.6	4,841	4,058	18.4	33.6	5,325	4,300	20.2	39.2
		28	3,516	3,204	14.1	22.9	5,166	4,488	18.6	34.3	5,083	4,463	20.2	39.3	5,592	4,730	22.2	46.4
		29	3,683	3,379	15.4	25.7	5,412	4,733	20.3	39.6	5,325	4,707	22.0	45.8	5,858	4,988	24.2	54.7
	30	3,851	3,554	16.6	28.9	5,658	4,978	22.0	45.6	5,567	4,950	23.9	53.3	6,124	5,246	26.2	64.2	
	6	24	2,360	1,934	7.4	11.0	2,875	2,264	7.9	11.8	3,449	2,665	9.7	14.7	3,782	2,853	10.6	16.3
		25	2,675	2,275	8.4	12.6	3,258	2,663	9.0	13.6	3,909	3,135	11.1	17.0	4,287	3,357	12.2	19.0
		26	2,927	2,559	9.5	14.3	3,564	2,996	10.2	15.4	4,277	3,527	12.5	19.6	4,690	3,777	13.7	22.0
		27	3,147	2,844	10.5	16.1	3,833	3,329	11.3	17.4	4,599	3,919	13.8	22.4	5,043	4,196	15.2	25.4
		28	3,304	3,043	11.6	18.0	4,024	3,562	12.4	19.5	4,829	4,193	15.2	25.4	5,295	4,490	16.7	29.1
		29	3,462	3,213	12.6	19.9	4,216	3,762	13.5	21.7	5,059	4,428	16.6	28.8	5,547	4,742	18.2	33.2
	30	3,619	3,413	13.7	22.1	4,408	3,995	14.7	24.2	5,289	4,703	18.0	32.5	5,799	5,036	19.8	37.9	
	7	24	2,118	1,745	5.7	8.5	2,542	2,052	6.1	9.1	3,056	2,429	7.5	11.2	3,359	2,594	8.2	12.3
		25	2,400	2,053	6.5	9.7	2,881	2,414	7.0	10.4	3,464	2,858	8.5	12.8	3,806	3,052	9.4	14.2
		26	2,626	2,310	7.3	10.9	3,152	2,715	7.9	11.8	3,790	3,215	9.6	14.5	4,165	3,433	10.6	16.1
		27	2,824	2,566	8.1	12.2	3,389	3,017	8.7	13.1	4,075	3,572	10.7	16.3	4,478	3,815	11.7	18.2
		28	2,965	2,746	8.9	13.4	3,558	3,228	9.6	14.5	4,278	3,822	11.8	18.3	4,702	4,082	12.9	20.5
		29	3,106	2,900	9.8	14.8	3,728	3,409	10.5	16.0	4,482	4,036	12.8	20.3	4,926	4,311	14.1	22.9
	30	3,248	3,080	10.6	16.1	3,897	3,621	11.3	17.5	4,686	4,286	13.9	22.5	5,150	4,578	15.3	25.5	
	8	24	1,634	1,368	3.6	5.5	1,967	1,627	3.9	5.9	2,965	2,405	4.7	7.1	2,572	2,052	5.2	7.8
		25	1,852	1,609	4.1	6.2	2,229	1,914	4.5	6.7	3,361	2,830	5.4	8.1	2,915	2,414	5.9	8.8
26		2,026	1,810	4.6	7.0	2,439	2,154	5.0	7.5	3,677	3,184	6.1	9.1	3,189	2,715	6.6	9.9	
27		2,179	2,011	5.1	7.7	2,622	2,393	5.6	8.4	3,954	3,537	6.8	10.1	3,429	3,017	7.4	11.0	
28		2,288	2,152	5.6	8.4	2,753	2,560	6.1	9.2	4,151	3,785	7.4	11.1	3,601	3,228	8.1	12.2	
29		2,396	2,273	6.1	9.2	2,885	2,704	6.7	10.0	4,349	3,997	8.1	12.2	3,772	3,409	8.8	13.3	
30	2,505	2,414	6.7	9.9	3,016	2,872	7.2	10.8	4,547	4,245	8.8	13.2	3,944	3,621	9.6	14.5		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

## 5. Capacity Tables

### ◆ WF4A072CG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)					
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)		
4	4	24	7,000	4,370	22.2	46.6	7,640	4,960	24.3	55.3	9,140	5,780	27.5	71.1	10,070	6,220	31.8	97.8		
		25	7,930	5,150	25.4	60.2	8,660	5,830	27.8	72.8	10,360	6,800	31.4	95.6	11,410	7,320	36.3	134.8		
		26	8,680	5,790	28.6	77.1	9,480	6,560	31.3	94.6	11,330	7,650	35.4	126.6	-	-	-	-		
		27	9,330	6,430	31.8	97.8	10,190	7,290	34.8	121.4	-	-	-	-	-	-	-	-	-	
		28	9,800	7,070	34.9	122.7	10,700	8,020	38.3	153.8	-	-	-	-	-	-	-	-	-	
		29	10,260	7,780	38.1	152.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		24	5,930	4,030	15.9	27.0	6,210	4,380	17.6	31.5	8,570	5,690	23.3	50.8	9,430	6,030	27.5	71.1		
		25	6,720	4,740	18.1	33.0	7,040	5,150	20.2	39.2	9,710	6,690	26.6	66.3	10,680	7,090	31.4	95.6		
		26	7,350	5,330	20.4	40.0	7,700	5,790	22.7	48.3	10,630	7,520	29.9	85.5	11,690	7,980	35.4	126.6		
		27	7,900	5,920	22.7	48.3	8,280	6,440	25.2	59.3	11,430	8,360	33.3	109.1	12,570	8,860	39.3	164.9		
		28	8,300	6,520	24.9	58.1	8,690	7,080	27.7	72.2	12,000	9,200	36.6	137.6	-	-	-	-		
29	8,690	7,170	27.2	69.5	9,110	7,790	30.2	87.5	12,570	10,120	39.9	171.5	-	-	-	-				
30	9,090	7,700	29.5	82.6	9,520	8,370	32.8	105.2	-	-	-	-	-	-	-	-	-			
5	6	24	5,570	3,890	13.8	22.2	6,780	4,670	16.5	28.5	8,140	5,490	19.5	37.0	8,930	5,880	22.2	46.6		
		25	6,310	4,570	15.7	26.6	7,690	5,490	18.9	35.1	9,230	6,460	22.3	46.7	10,120	6,920	25.4	60.2		
		26	6,910	5,150	17.7	31.7	8,410	6,170	21.2	42.9	10,100	7,270	25.0	58.5	11,070	7,780	28.6	77.1		
		27	7,430	5,720	19.7	37.5	9,050	6,860	23.6	52.1	10,860	8,080	27.8	72.8	11,900	8,650	31.8	97.8		
		28	7,800	6,290	21.6	44.3	9,500	7,550	25.9	62.9	11,400	8,880	30.6	89.8	12,500	9,510	34.9	122.7		
		29	8,170	6,920	23.6	52.1	9,950	8,300	28.3	75.5	11,940	9,770	33.4	110.0	-	-	-	-		
		30	8,540	7,430	25.6	61.0	10,400	8,920	30.7	90.3	-	-	-	-	-	-	-	-	-	
		24	5,000	3,600	11.4	17.7	6,000	4,230	12.3	19.2	7,210	5,010	15.0	25.0	7,930	5,350	16.5	28.5		
		25	5,670	4,230	13.1	20.8	6,800	4,970	14.0	22.8	8,170	5,890	17.2	30.3	8,980	6,290	18.9	35.1		
		26	6,200	4,760	14.7	24.2	7,440	5,600	15.8	26.8	8,940	6,620	19.3	36.5	9,830	7,070	21.2	42.9		
		27	6,670	5,290	16.3	28.1	8,000	6,220	17.5	31.3	9,620	7,360	21.5	43.7	10,570	7,860	23.6	52.1		
		28	7,000	5,820	18.0	32.4	8,400	6,840	19.3	36.4	10,100	8,100	23.6	52.2	11,100	8,650	25.9	62.9		
29	7,330	6,400	19.6	37.3	8,800	7,520	21.0	42.2	10,580	8,910	25.8	62.0	11,630	9,510	28.3	75.5				
30	7,670	6,870	21.2	42.9	9,200	8,080	22.8	48.8	11,060	9,570	27.9	73.3	12,150	10,220	30.7	90.3				
5	8	24	3,860	2,820	7.2	10.8	4,640	3,350	7.8	11.7	7,000	4,960	9.5	14.4	6,070	4,230	10.4	15.8		
		25	4,370	3,320	8.2	12.3	5,260	3,940	9.0	13.5	7,930	5,830	10.9	16.7	6,880	4,970	11.9	18.4		
		26	4,780	3,730	9.3	14.0	5,760	4,440	10.1	15.3	8,680	6,560	12.2	19.2	7,530	5,600	13.3	21.3		
		27	5,140	4,140	10.3	15.7	6,190	4,930	11.2	17.2	9,330	7,290	13.6	21.9	8,090	6,220	14.8	24.5		
		28	5,400	4,560	11.3	17.4	6,500	5,420	12.3	19.3	9,800	8,020	15.0	24.8	8,500	6,840	16.3	28.0		
		29	5,660	5,020	12.3	19.4	6,810	5,970	13.4	21.5	10,260	8,820	16.3	28.1	8,900	7,520	17.8	31.9		
		30	5,910	5,390	13.4	21.4	7,120	6,410	14.5	23.9	10,730	9,480	17.7	31.7	9,310	8,080	19.3	36.3		
		24	5,240	3,700	20.8	41.4	6,370	4,440	24.5	55.8	7,620	5,170	29.0	79.5	8,390	5,570	32.6	104.0		
		25	5,940	4,350	23.8	53.0	7,220	5,220	27.9	73.5	8,640	6,090	33.1	107.9	9,510	6,550	37.3	143.9		
		26	6,500	4,890	26.8	67.1	7,900	5,870	31.4	95.6	9,450	6,850	37.3	143.9	-	-	-	-		
		27	6,990	5,440	29.8	84.3	8,490	6,520	34.9	122.7	-	-	-	-	-	-	-	-	-	
		28	7,330	5,980	32.7	105.0	8,920	7,170	38.4	155.6	-	-	-	-	-	-	-	-	-	
29	7,680	6,580	35.7	129.5	-	-	-	-	-	-	-	-	-	-	-	-	-			
30	8,030	7,070	38.7	158.2	-	-	-	-	-	-	-	-	-	-	-	-	-			
6	4	24	4,940	3,650	13.6	21.8	5,670	4,140	16.3	28.1	7,140	5,090	22.1	46.1	7,860	5,390	24.3	55.0		
		25	5,600	4,300	15.5	26.1	6,430	4,870	18.6	34.4	8,100	5,990	25.3	59.5	8,910	6,340	27.7	72.3		
		26	6,130	4,830	17.5	31.1	7,030	5,480	21.0	42.0	8,860	6,730	28.4	76.2	9,740	7,140	31.2	93.9		
		27	6,590	5,370	19.4	36.7	7,560	6,090	23.3	50.9	9,530	7,480	31.6	96.5	10,480	7,930	34.7	120.5		
		28	6,920	5,910	21.3	43.3	7,940	6,700	25.6	61.4	10,000	8,230	34.7	120.9	11,000	8,720	38.1	152.7		
		29	7,250	6,500	23.3	50.8	8,320	7,370	28.0	73.6	10,480	9,050	37.9	150.0	-	-	-	-		
		30	7,580	6,980	25.2	59.4	8,690	7,920	30.3	87.9	-	-	-	-	-	-	-	-	-	
		24	4,640	3,570	12.7	20.0	5,660	4,170	13.6	21.8	6,790	4,910	16.7	28.9	7,440	5,260	18.3	33.4		
		25	5,260	4,190	14.5	23.8	6,410	4,910	15.5	26.1	7,690	5,780	19.0	35.6	8,430	6,190	20.9	41.7		
		26	5,760	4,720	16.3	28.0	7,010	5,520	17.5	31.1	8,420	6,500	21.4	43.6	9,230	6,960	23.5	51.8		
		27	6,190	5,240	18.1	32.9	7,540	6,140	19.4	36.7	9,050	7,230	23.8	53.0	9,920	7,740	26.1	63.8		
		28	6,500	5,770	19.9	38.4	7,920	6,750	21.3	43.3	9,500	7,950	26.2	64.1	10,420	8,510	28.7	78.1		
	29	6,810	6,340	21.7	44.7	8,300	7,430	23.3	50.8	9,950	8,740	28.6	77.1	10,910	9,360	31.4	95.0			
	30	7,120	6,820	23.5	51.9	8,670	7,980	25.2	59.4	10,410	9,390	30.9	92.2	11,410	10,060	34.0	114.7			
	24	4,170	3,220	9.8	14.8	5,000	3,780	10.5	16.0	6,010	4,480	12.9	20.4	6,610	4,780	14.1	23.0			
	25	4,720	3,790	11.2	17.2	5,670	4,450	12.0	18.7	6,810	5,270	14.7	24.2	7,490	5,630	16.1	27.6			
	26	5,170	4,260	12.6	19.8	6,200	5,010	13.5	21.7	7,460	5,930	16.5	28.6	8,190	6,330	18.2	33.0			
	27	5,560	4,730	14.0	22.6	6,670	5,560	15.0	24.9	8,020	6,590	18.4	33.6	8,810	7,030	20.2	39.2			
	28	5,830	5,210	15.4	25.8	7,000	6,120	16.5	28.5	8,420	7,240	20.2	39.3	9,250	7,740	22.2	46.5			
	29	6,110	5,730	16.8	29.2	7,330	6,730	18.0	32.6	8,820	7,970	22.0	45.9	9,690	8,510	24.2	54.8			
	30	6,390	6,150	18.2	33.0	7,670	7,230	19.5	37.1	9,220	8,560	23.9	53.3	10,130	9,140	26.2	64.3			
	24	3,210	2,520	6.2	9.2	3,870	3,000	6.7	10.0	5,830	4,440	8.2	12.2	5,060	3,780	8.9	13.3			
	25	3,640	2,970	7.0	10.5	4,390	3,530	7.7	11.5	6,610	5,220	9.3	14.1	5,740	4,450	10.1	15.4			
	26	3,990	3,340	7.9	11.9	4,800	3,970	8.6	12.9	7,230	5,870	10.5	16.0	6,270	5,010	11.4	17.6			
	27	4,290	3,710	8.8	13.2	5,160	4,410	9.6	14.5	7,780	6,520	11.6	18.1	6,750	5,560	12.7</				

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)				
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	
7	4	24	4,750	3,350	20.0	38.6	5,780	4,020	21.3	43.2	6,910	4,690	26.2	64.0	7,610	5,050	28.8	78.5	
		25	5,390	3,940	22.8	49.0	6,550	4,730	24.4	55.4	7,830	5,520	29.9	85.3	8,630	5,940	32.9	106.5	
		26	5,890	4,440	25.7	61.7	7,160	5,320	27.4	70.5	8,570	6,210	33.6	112.1	9,440	6,680	37.0	141.9	
		27	6,340	4,930	28.6	77.0	7,700	5,920	30.5	88.8	9,220	6,900	37.4	145.1	-	-	-	-	
		28	6,650	5,420	31.4	95.4	8,090	6,510	33.5	110.9	-	-	-	-	-	-	-	-	
		29	6,970	5,970	34.3	117.2	8,470	7,160	36.5	137.1	-	-	-	-	-	-	-	-	
	30	7,290	6,410	37.1	142.7	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	5	24	4,480	3,310	12.5	19.7	5,400	3,940	14.7	24.2	6,480	4,610	17.9	32.4	7,130	4,890	19.7	37.7
	25		5,080	3,900	14.3	23.3	6,120	4,640	16.8	29.3	7,340	5,430	20.5	40.3	8,080	5,750	22.5	47.7	
	26		5,560	4,380	16.1	27.4	6,700	5,220	18.9	35.2	8,040	6,110	23.1	49.9	8,840	6,470	25.3	59.9	
	27		5,980	4,870	17.9	32.1	7,200	5,800	21.0	45.9	8,640	6,790	25.6	61.3	9,500	7,190	28.1	74.6	
	28		6,270	5,360	19.6	37.5	7,560	6,380	23.1	50.0	9,070	7,460	28.2	74.8	9,980	7,910	31.0	92.2	
29	6,570		5,900	21.4	43.5	7,920	7,020	25.2	59.3	9,500	8,210	30.7	90.8	10,450	8,700	33.8	113.1		
30	6,870	6,330	23.2	50.5	8,280	7,540	27.3	69.9	9,940	8,820	33.3	109.4	10,930	9,350	36.6	137.5			
24	6	24	4,210	3,230	10.3	15.7	5,130	3,790	11.0	16.9	6,160	4,460	13.5	21.7	6,750	4,770	14.8	24.6	
25		4,770	3,800	11.8	18.3	5,810	4,450	12.6	19.9	6,980	5,240	15.5	26.0	7,650	5,610	17.0	29.7		
26		5,220	4,280	13.2	21.1	6,360	5,010	14.2	23.1	7,630	5,900	17.4	30.8	8,370	6,320	19.1	35.8		
27		5,620	4,760	14.7	24.2	6,840	5,570	15.8	26.7	8,210	6,550	19.3	36.5	9,000	7,020	21.2	42.8		
28		5,900	5,230	16.2	27.7	7,180	6,120	17.3	30.7	8,620	7,210	21.3	42.9	9,450	7,720	23.3	51.0		
29		6,180	5,750	17.6	31.5	7,520	6,740	18.9	35.2	9,030	7,930	23.2	50.4	9,900	8,490	25.5	60.5		
30	6,460	6,180	19.1	35.8	7,870	7,240	20.5	40.2	9,440	8,520	25.1	58.9	10,350	9,120	27.6	71.4			
24	7	24	3,780	2,920	7.9	11.9	4,540	3,430	8.5	12.8	5,450	4,060	10.4	15.9	5,990	4,340	11.5	17.7	
25		4,280	3,430	9.1	13.7	5,140	4,040	9.7	14.8	6,180	4,780	11.9	18.6	6,790	5,100	13.1	20.9		
26		4,690	3,860	10.2	15.5	5,620	4,540	11.0	16.8	6,760	5,380	13.4	21.5	7,430	5,740	14.7	24.3		
27		5,040	4,290	11.3	17.5	6,050	5,050	12.2	19.1	7,270	5,970	14.9	24.7	7,990	6,380	16.4	28.2		
28		5,290	4,720	12.5	19.6	6,350	5,550	13.4	21.4	7,640	6,570	16.4	28.3	8,390	7,020	18.0	32.6		
29		5,540	5,190	13.6	21.9	6,650	6,110	14.6	24.0	8,000	7,230	17.9	32.2	8,790	7,720	19.7	37.5		
30	5,800	5,580	14.7	24.3	6,960	6,560	15.8	26.9	8,360	7,770	19.4	36.7	9,190	8,290	21.3	43.1			
24	8	24	2,920	2,290	5.0	7.5	3,510	2,720	5.4	8.2	5,290	4,020	6.6	9.9	4,590	3,430	7.2	10.8	
25		3,300	2,690	5.7	8.6	3,980	3,200	6.2	9.3	6,000	4,730	7.6	11.3	5,200	4,040	8.2	12.3		
26		3,620	3,030	6.4	9.6	4,350	3,600	7.0	10.5	6,560	5,320	8.5	12.8	5,690	4,540	9.3	14.0		
27		3,890	3,360	7.1	10.7	4,680	4,000	7.8	11.6	7,060	5,920	9.5	14.3	6,120	5,050	10.3	15.7		
28		4,080	3,700	7.9	11.8	4,910	4,400	8.5	12.8	7,410	6,510	10.4	15.8	6,430	5,550	11.3	17.5		
29		4,280	4,070	8.6	12.9	5,150	4,840	9.3	14.1	7,760	7,160	11.3	17.5	6,730	6,110	12.3	19.4		
30	4,470	4,270	9.3	14.0	5,380	5,080	10.1	15.4	8,110	7,510	12.3	19.3	7,040	6,410	13.4	21.4			
24	4	24	3,850	2,840	18.8	34.9	4,680	3,400	20.1	38.8	5,600	3,970	24.6	56.6	6,170	4,270	27.1	68.9	
25		4,360	3,340	21.5	43.8	5,300	4,010	22.9	49.3	6,350	4,670	28.1	74.6	6,990	5,030	31.0	92.4		
26		4,770	3,760	24.2	54.6	5,800	4,510	25.8	62.1	6,940	5,260	31.7	97.1	7,650	5,660	34.9	122.1		
27		5,130	4,170	26.9	67.6	6,240	5,010	28.7	77.6	7,460	5,840	35.2	124.8	8,220	6,280	38.7	158.7		
28		5,390	4,590	29.6	83.1	6,550	5,510	31.5	96.1	7,840	6,430	38.7	158.3	-	-	-	-		
29		5,650	5,050	32.2	101.4	6,860	6,060	34.4	118.1	-	-	-	-	-	-	-	-		
30	5,900	5,420	34.9	122.7	7,180	6,510	37.2	143.8	-	-	-	-	-	-	-	-			
24	5	24	3,630	2,800	11.8	18.3	4,860	3,630	14.3	23.3	5,250	3,910	16.9	29.5	5,770	4,140	18.5	34.1	
25		4,110	3,300	13.4	21.5	5,510	4,270	16.3	28.0	5,950	4,590	19.3	36.4	6,540	4,870	21.2	42.7		
26		4,500	3,710	15.1	25.2	6,030	4,800	18.3	33.5	6,510	5,170	21.7	44.6	7,160	5,480	23.8	53.1		
27		4,840	4,120	16.8	29.3	6,480	5,340	20.4	39.9	7,000	5,740	24.1	54.3	7,700	6,090	26.5	65.6		
28		5,080	4,540	18.5	33.9	6,800	5,870	22.4	47.3	7,350	6,320	26.5	65.8	8,080	6,700	29.1	80.4		
29		5,320	4,990	20.2	39.2	7,130	6,460	24.4	55.8	7,700	6,950	28.9	79.2	8,470	7,370	31.8	97.9		
30	5,570	5,360	21.8	45.1	7,450	6,940	26.5	65.6	8,050	7,470	31.3	94.9	8,850	7,910	34.4	118.4			
24	6	24	3,410	2,740	9.7	14.7	4,160	3,200	10.4	15.8	4,990	3,770	12.7	20.1	5,470	4,040	14.0	22.6	
25		3,870	3,220	11.1	17.0	4,710	3,770	11.9	18.4	5,650	4,440	14.5	23.9	6,200	4,750	16.0	27.2		
26		4,230	3,620	12.4	19.6	5,150	4,240	13.3	21.3	6,180	4,990	16.4	28.2	6,780	5,350	18.0	32.4		
27		4,550	4,030	13.8	22.3	5,540	4,710	14.8	24.5	6,650	5,550	18.2	33.1	7,290	5,940	20.0	38.5		
28		4,780	4,430	15.2	25.4	5,820	5,180	16.3	28.0	6,980	6,100	20.0	38.6	7,650	6,530	22.0	45.5		
29		5,000	4,670	16.6	28.8	6,090	5,470	17.8	31.9	7,310	6,430	21.8	45.0	8,020	6,890	23.9	53.6		
30	5,230	4,950	18.0	32.5	6,370	5,990	19.3	36.3	7,650	7,050	23.6	52.2	8,380	7,540	25.9	62.9			
24	7	24	3,060	2,470	7.5	11.2	3,670	2,900	8.0	12.0	4,420	3,440	9.8	14.9	4,860	3,670	10.8	16.5	
25		3,470	2,910	8.5	12.8	4,160	3,420	9.2	13.8	5,010	4,050	11.2	17.3	5,500	4,320	12.3	19.3		
26		3,800	3,270	9.6	14.5	4,560	3,840	10.3	15.7	5,480	4,550	12.6	19.9	6,020	4,860	13.9	22.4		
27		4,080	3,630	10.7	16.3	4,900	4,270	11.5	17.7	5,890	5,060	14.0	22.8	6,470	5,400	15.4	25.9		
28		4,290	4,000	11.7	18.2	5,140	4,700	12.6	19.9	6,180	5,560	15.4	25.9	6,800	5,940	17.0	29.7		
29		4,490	4,210	12.8	20.3	5,390	4,950	13.8	22.2	6,480	5,870	16.8	29.4	7,120	6,260	18.5	34.0		
30	4,690	4,470	13.9	22.4	5,630	5,250	14.9	24.7	6,770	6,220	18.2	33.2	7,440	6,750	20.0	38.8			
24	8	24	2,360	1,940	4.7	7.1	2,840	2,300	5.1	7.7	4,290	3,400	6.2	9.3	3,720	2,900	6.8	10.1	
25		2,680	2,280	5.4	8.1	3,220	2,710	5.8	8.8	4,860	4,010	7.1	10.6	4,210	3,420	7.7	11.6		
26		2,930	2,560	6.0	9.1	3,530	3,050	6.6	9.8	5,320	4,510	8.0	12.0	4,610	3,840	8.7	13.1		
27		3,150	2,850	6.7	10.0	3,790	3,390	7.3	10.9	5,720	5,010	8.9	13.4	4,960	4,270	9.7	14.7		
28		3,310	3,130	7.4	11.0	3,980	3,730	8.0	12.0	6,000	5,510	9.8	14.8	5,210	4,700	10.7	16.3		
29		3,460	3,300	8.1	12.1	4,170	3,930	8.8	13.2	6,290	5,810	10.7	16.3	5,450	4,950	11.6	18.0		
30	3,620	3,470	8.7	13.1	4,360	4,130	9.5	14.4	6,570	6,110	11.6	17.9	5,700	5,250	12.6	19.8			

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	3,200	2,420	15.8	26.9	3,890	2,910	16.9	29.5	4,650	3,390	20.7	41.1	5,120	3,650	22.8	48.9
		25	3,620	2,850	18.1	32.8	4,400	3,420	19.3	36.4	5,270	3,990	23.7	52.5	5,800	4,290	26.1	63.6
		26	3,960	3,210	20.4	39.8	4,820	3,850	21.7	44.6	5,760	4,490	26.6	66.4	6,350	4,830	29.3	81.8
		27	4,260	3,560	22.6	48.1	5,180	4,270	24.1	54.3	6,200	4,990	29.6	83.4	6,830	5,360	32.6	104.0
		28	4,470	3,920	24.9	57.8	5,440	4,700	26.5	65.8	6,510	5,490	32.6	103.8	7,170	5,900	35.9	130.9
		29	4,690	4,310	27.1	69.1	5,700	5,170	28.9	79.3	6,820	6,030	35.5	127.9	-	-	-	-
	30	4,900	4,630	29.4	82.2	5,960	5,560	31.4	95.0	-	-	-	-	-	-	-	-	
	24	3,010	2,390	9.9	15.0	4,430	3,350	13.1	20.8	4,360	3,330	14.2	23.1	4,790	3,530	15.6	26.3	
	25	3,420	2,820	11.3	17.5	5,020	3,940	15.0	24.8	4,940	3,920	16.2	27.9	5,430	4,160	17.8	32.1	
	26	3,740	3,170	12.7	20.1	5,490	4,440	16.8	29.3	5,400	4,410	18.3	33.3	5,940	4,680	20.1	38.8	
	27	4,020	3,520	14.1	23.0	5,900	4,930	18.7	34.5	5,810	4,900	20.3	39.6	6,390	5,200	22.3	46.8	
	28	4,220	3,870	15.6	26.2	6,200	5,420	20.6	40.5	6,100	5,390	22.3	46.9	6,710	5,720	24.5	56.1	
	29	4,420	4,080	17.0	29.7	6,490	5,720	22.4	47.3	6,390	5,690	24.4	55.4	7,030	6,030	26.7	67.0	
	30	4,620	4,290	18.4	33.6	6,790	6,010	24.3	55.1	6,680	5,980	26.4	65.1	7,350	6,340	29.0	79.5	
	24	2,830	2,340	8.2	12.2	3,450	2,740	8.7	13.1	4,140	3,220	10.7	16.4	4,540	3,450	11.8	18.3	
	25	3,210	2,750	9.3	14.1	3,910	3,220	10.0	15.1	4,690	3,790	12.2	19.2	5,140	4,060	13.4	21.5	
	26	3,510	3,090	10.5	16.0	4,280	3,620	11.2	17.3	5,130	4,260	13.8	22.2	5,630	4,560	15.1	25.2	
	27	3,780	3,440	11.6	18.1	4,600	4,020	12.5	19.6	5,520	4,740	15.3	25.6	6,050	5,070	16.8	29.3	
	28	3,970	3,680	12.8	20.3	4,830	4,300	13.7	22.1	5,800	5,070	16.8	29.4	6,350	5,430	18.5	33.9	
	29	4,150	3,880	14.0	22.6	5,060	4,550	15.0	24.8	6,070	5,350	18.4	33.6	6,660	5,730	20.2	39.2	
	30	4,340	4,120	15.1	25.2	5,290	4,830	16.2	27.8	6,350	5,680	19.9	38.3	6,960	6,080	21.8	45.1	
	24	2,540	2,110	6.3	9.4	3,050	2,480	6.8	10.1	3,670	2,940	8.3	12.4	4,030	3,130	9.1	13.7	
	25	2,880	2,480	7.2	10.7	3,460	2,920	7.7	11.5	4,160	3,450	9.4	14.3	4,570	3,690	10.4	15.8	
	26	3,150	2,790	8.1	12.1	3,780	3,280	8.7	13.0	4,550	3,880	10.6	16.3	5,000	4,150	11.7	18.1	
	27	3,390	3,100	9.0	13.5	4,070	3,650	9.6	14.6	4,890	4,320	11.8	18.4	5,370	4,610	13.0	20.6	
	28	3,560	3,320	9.9	15.0	4,270	3,900	10.6	16.2	5,130	4,620	13.0	20.6	5,640	4,930	14.3	23.3	
	29	3,730	3,500	10.8	16.5	4,470	4,120	11.6	17.9	5,380	4,880	14.2	23.1	5,910	5,210	15.6	26.2	
	30	3,900	3,720	11.7	18.1	4,680	4,370	12.5	19.7	5,620	5,180	15.4	25.7	6,180	5,530	16.9	29.5	
	24	1,960	1,650	4.0	6.0	2,360	1,970	4.3	6.5	3,560	2,910	5.2	7.9	3,090	2,480	5.7	8.6	
	25	2,220	1,940	4.5	6.8	2,670	2,310	4.9	7.4	4,030	3,420	6.0	9.0	3,500	2,920	6.5	9.7	
26	2,430	2,190	5.1	7.7	2,930	2,600	5.5	8.3	4,410	3,850	6.7	10.1	3,830	3,280	7.3	11.0		
27	2,610	2,430	5.7	8.5	3,150	2,890	6.2	9.2	4,740	4,270	7.5	11.2	4,120	3,650	8.2	12.2		
28	2,750	2,600	6.2	9.3	3,300	3,090	6.8	10.1	4,980	4,570	8.2	12.3	4,320	3,900	9.0	13.5		
29	2,880	2,750	6.8	10.1	3,460	3,270	7.4	11.0	5,220	4,830	9.0	13.5	4,530	4,120	9.8	14.8		
30	3,010	2,920	7.4	11.0	3,620	3,470	8.0	12.0	5,460	5,130	9.7	14.7	4,730	4,370	10.6	16.2		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)



# 5. Capacity Tables

## ◆ WF4A09CG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
5	4	24	8,750	5,500	29.6	76.4	9,550	6,240	32.5	91.2	11,430	7,280	36.7	117.5	12,590	7,830	42.3	161.4
		25	9,910	6,480	33.9	99.4	10,830	7,340	37.1	120.3	12,950	8,560	41.9	157.9	14,270	9,210	48.4	221.4
		26	10,850	7,290	38.1	127.4	11,840	8,260	41.7	156.1	14,170	9,630	47.2	208.2	-	-	-	-
		27	11,660	8,090	42.3	161.4	12,740	9,170	46.4	199.8	15,240	10,700	52.4	269.9	-	-	-	-
		28	12,250	8,900	46.6	201.9	13,370	10,090	51.0	252.1	-	-	-	-	-	-	-	-
		29	12,830	9,790	50.8	249.6	-	-	-	-	-	-	-	-	-	-	-	-
	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	24	7,410	5,070	21.2	43.1	7,760	5,510	23.5	50.9	10,710	7,160	31.0	83.6	11,780	7,580	36.7	117.5
		25	8,400	5,960	24.2	53.4	8,800	6,480	26.9	63.9	12,140	8,420	35.5	109.4	13,350	8,920	41.9	157.9
		26	9,190	6,710	27.2	65.4	9,630	7,290	30.2	79.4	13,280	9,470	39.9	141.2	14,610	10,040	47.2	208.2
		27	9,880	7,450	30.2	79.4	10,350	8,100	33.6	97.8	14,280	10,520	44.4	179.8	15,710	11,150	52.4	269.9
		28	10,370	8,200	33.3	95.8	10,870	8,910	37.0	119.3	15,000	11,580	48.8	225.9	-	-	-	-
		29	10,870	9,020	36.3	114.7	11,390	9,800	40.3	144.4	-	-	-	-	-	-	-	-
	30	11,360	9,690	39.3	136.5	11,900	10,530	43.7	173.5	-	-	-	-	-	-	-	-	
	6	24	6,960	4,890	18.3	35.0	8,480	5,870	22.0	45.8	10,180	6,910	26.0	60.2	11,160	7,400	29.6	76.4
		25	7,890	5,760	21.0	42.5	9,610	6,910	25.2	57.0	11,530	8,130	29.7	76.6	12,650	8,710	33.9	99.4
		26	8,630	6,480	23.6	51.2	10,520	7,770	28.3	70.2	12,620	9,150	33.4	96.5	13,840	9,790	38.1	127.4
		27	9,280	7,200	26.2	61.2	11,310	8,630	31.4	85.7	13,570	10,160	37.1	120.3	14,880	10,880	42.3	161.4
		28	9,750	7,920	28.8	72.6	11,870	9,500	34.6	103.8	14,250	11,180	40.8	148.4	15,620	11,970	46.6	201.9
		29	10,210	8,710	31.4	85.7	12,440	10,450	37.7	124.8	14,930	12,300	44.5	181.3	-	-	-	-
	30	10,680	9,350	34.1	100.6	13,000	11,220	40.9	149.0	-	-	-	-	-	-	-	-	
	7	24	6,250	4,530	15.2	27.3	7,500	5,320	16.4	30.0	9,020	6,300	20.0	39.7	9,910	6,730	22.0	45.8
		25	7,080	5,320	17.4	32.6	8,500	6,260	18.7	36.0	10,220	7,410	22.9	48.8	11,230	7,920	25.2	57.0
		26	7,750	5,990	19.6	38.4	9,300	7,040	21.0	42.8	11,180	8,340	25.8	59.4	12,290	8,900	28.3	70.2
		27	8,330	6,660	21.8	45.1	10,000	7,830	23.4	50.5	12,020	9,260	28.6	71.7	13,210	9,890	31.4	85.7
		28	8,750	7,320	24.0	52.5	10,500	8,610	25.7	59.2	12,620	10,190	31.5	85.9	13,870	10,880	34.6	103.8
		29	9,160	8,050	26.1	60.8	11,000	9,470	28.1	69.1	13,220	11,210	34.4	102.3	14,530	11,970	37.7	124.8
	30	9,580	8,650	28.3	70.2	11,500	10,170	30.4	80.2	13,820	12,040	37.2	121.1	15,190	12,860	40.9	149.0	
	8	24	4,820	3,550	9.6	15.9	5,800	4,220	10.4	17.5	8,750	6,240	12.7	21.9	7,590	5,320	13.8	24.2
		25	5,460	4,170	11.0	18.5	6,580	4,960	11.9	20.3	9,910	7,340	14.5	25.7	8,600	6,260	15.8	28.6
26		5,980	4,700	12.3	21.1	7,200	5,590	13.4	23.3	10,850	8,260	16.3	29.9	9,410	7,040	17.8	33.5	
27		6,430	5,220	13.7	23.9	7,740	6,210	14.9	26.6	11,660	9,170	18.1	34.5	10,120	7,830	19.8	38.9	
28		6,750	5,740	15.1	26.9	8,120	6,830	16.4	30.1	12,250	10,090	20.0	39.5	10,620	8,610	21.7	44.9	
29		7,070	6,310	16.5	30.2	8,510	7,510	17.9	33.8	12,830	11,100	21.8	45.1	11,130	9,470	23.7	51.6	
30	7,390	6,780	17.8	33.6	8,900	8,070	19.4	37.9	13,410	11,930	23.6	51.2	11,630	10,170	25.7	59.0		
6	4	24	6,550	4,650	27.8	67.8	7,960	5,580	32.6	92.0	9,530	6,510	38.6	131.4	10,490	7,010	43.5	171.5
		25	7,420	5,470	31.7	87.2	9,020	6,570	37.3	121.4	10,800	7,660	44.2	178.0	11,890	8,240	49.7	236.2
		26	8,120	6,160	35.7	110.9	9,870	7,390	41.9	157.7	11,810	8,620	49.7	236.2	-	-	-	-
		27	8,730	6,840	39.7	139.3	10,620	8,210	46.6	201.9	-	-	-	-	-	-	-	-
		28	9,170	7,530	43.6	173.1	11,150	9,030	51.2	254.9	-	-	-	-	-	-	-	-
		29	9,600	8,280	47.6	212.9	-	-	-	-	-	-	-	-	-	-	-	-
	30	10,040	8,890	51.6	259.2	-	-	-	-	-	-	-	-	-	-	-	-	
	5	24	6,180	4,600	18.1	34.4	7,090	5,210	21.8	45.0	8,930	6,400	29.5	75.6	9,820	6,790	32.4	90.7
		25	7,000	5,410	20.7	41.7	8,030	6,130	24.9	55.9	10,120	7,530	33.7	98.2	11,130	7,980	37.0	119.5
		26	7,660	6,080	23.3	50.1	8,790	6,900	28.0	68.7	11,070	8,470	37.9	125.8	12,180	8,980	41.6	155.1
		27	8,240	6,760	25.9	59.8	9,450	7,670	31.1	83.7	11,910	9,420	42.1	159.2	13,100	9,980	46.2	198.3
		28	8,650	7,440	28.5	70.9	9,920	8,430	34.2	101.3	12,500	10,360	46.3	199.0	13,750	10,980	50.9	250.2
		29	9,060	8,180	31.0	83.6	10,400	9,270	37.3	121.7	13,100	11,390	50.5	246.0	-	-	-	-
	30	9,470	8,790	33.6	98.0	10,870	9,960	40.4	145.1	-	-	-	-	-	-	-	-	
	6	24	5,800	4,490	16.9	31.3	7,070	5,250	18.1	34.4	8,480	6,180	22.2	46.5	9,300	6,620	24.4	54.1
		25	6,580	5,280	19.3	37.7	8,010	6,180	20.7	41.7	9,610	7,280	25.4	57.9	10,540	7,790	27.9	68.2
		26	7,200	5,940	21.7	44.9	8,770	6,950	23.3	50.1	10,520	8,190	28.6	71.4	11,530	8,760	31.4	85.2
		27	7,740	6,600	24.1	53.2	9,430	7,730	25.9	59.8	11,310	9,090	31.7	87.2	12,400	9,740	34.8	105.4
		28	8,130	7,260	26.6	62.6	9,900	8,500	28.5	70.9	11,880	10,000	34.9	105.8	13,020	10,710	38.3	129.1
		29	8,510	7,990	29.0	73.3	10,370	9,350	31.0	83.6	12,440	11,000	38.1	127.3	13,640	11,780	41.8	156.8
	30	8,900	8,580	31.4	85.4	10,840	10,040	33.6	98.0	13,010	11,820	41.3	152.2	14,260	12,660	45.3	188.9	
	7	24	5,210	4,050	13.0	22.5	6,250	4,760	14.0	24.6	7,520	5,640	17.1	31.9	8,260	6,020	18.8	36.3
		25	5,900	4,760	14.9	26.5	7,080	5,600	16.0	29.1	8,520	6,630	19.6	38.4	9,360	7,080	21.5	44.3
		26	6,460	5,360	16.8	30.9	7,750	6,300	18.0	34.1	9,320	7,460	22.0	45.9	10,240	7,970	24.2	53.5
		27	6,950	5,960	18.6	35.8	8,330	7,000	20.0	39.6	10,020	8,290	24.5	54.5	11,010	8,850	26.9	64.1
		28	7,290	6,550	20.5	41.1	8,750	7,700	22.0	45.8	10,520	9,120	26.9	64.2	11,560	9,740	29.6	76.3
		29	7,640	7,210	22.4	47.0	9,170	8,470	24.0	52.7	11,020	10,030	29.4	75.3	12,120	10,710	32.3	90.3
	30	7,990	7,740	24.2	53.5	9,590	9,100	26.0	60.4	11,520	10,780	31.8	87.8	12,670	11,510	35.0	106.2	
	8	24	4,020	3,170	8.2	13.5	4,840	3,780	8.9	14.8	7,290	5,580	10.9	18.3	6,330	4,760	11.8	20.1
		25	4,550	3,730	9.4	15.5	5,480	4,440	10.2	17.0	8,270	6,570	12.4	21.3	7,170	5,600	13.5	23.5
26		4,980	4,200	10.6	17.7	6,000	5,000	11.5	19.5	9,040	7,390	14.0	24.5	7,840	6,300	15.2	27.3	
27		5,360	4,670	11.7	19.9	6,450	5,550	12.8	22.0	9,720	8,210	15.5	28.0	8,430	7,000	16.9	31.3	
28		5,630	5,130	12.9	22.3	6,770	6,110	14.0	24.7	10,210	9,030	17.1	31.7	8,860	7,700	18.6	35.7	
29		5,890	5,650	14.1	24.7	7,090	6,720	15.3	27.5	10,700	9,930	18.6	35.8	9,280	8,470	20.3	40.5	
30	6,160	5,930	15.2	27.3	7,420	7,050	16.6	30.5	11,180	10,430	20.2	40.1	9,700	8,890	22.0	45.7		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)				
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	
7	4	24	5,940	4,220	26.7	63.0	7,220	5,060	28.4	70.7	8,640	5,910	34.9	105.6	9,520	6,350	38.4	129.8	
		25	6,730	4,960	30.5	80.6	8,190	5,960	32.5	91.3	9,790	6,950	39.9	140.9	10,790	7,480	43.9	175.6	
		26	7,370	5,580	34.3	101.8	8,960	6,700	36.5	116.4	10,710	7,820	44.9	184.6	11,800	8,410	49.4	232.8	
		27	7,920	6,210	38.1	127.3	9,630	7,450	40.6	146.7	11,520	8,690	49.8	238.1	-	-	-	-	
		28	8,320	6,830	41.9	157.5	10,110	8,190	44.7	182.7	-	-	-	-	-	-	-	-	
		29	8,710	7,510	45.7	192.9	10,590	9,010	48.7	225.2	-	-	-	-	-	-	-	-	
	30	9,110	8,070	49.5	234.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	5	24	5,600	4,170	16.7	30.7	6,750	4,960	19.6	38.5	8,100	5,810	23.9	52.3	8,910	6,160	26.3	61.4
	25		6,350	4,910	19.0	36.9	7,650	5,840	22.4	47.1	9,180	6,830	27.3	65.9	10,100	7,240	30.0	78.3	
	26		6,950	5,520	21.4	43.9	8,370	6,570	25.2	57.1	10,040	7,690	30.7	82.0	11,050	8,150	33.8	98.8	
	27		7,470	6,130	23.8	51.9	9,000	7,300	28.0	78.3	10,800	8,540	34.2	101.1	11,880	9,050	37.5	123.3	
	28		7,840	6,750	26.2	61.0	9,450	8,030	30.8	82.3	11,340	9,400	37.6	123.7	12,470	9,960	41.3	152.3	
	29		8,220	7,420	28.6	71.4	9,900	8,830	33.6	97.8	11,880	10,330	41.0	149.9	13,070	10,950	45.0	186.3	
	30	8,590	7,970	30.9	83.0	10,350	9,490	36.4	115.5	12,420	11,100	44.4	180.3	13,660	11,770	48.8	225.8		
	24	6	24	5,270	4,070	13.7	24.0	6,410	4,770	14.7	26.1	7,700	5,610	18.0	34.2	8,440	6,010	19.8	39.0
	25		5,970	4,790	15.7	28.3	7,270	5,610	16.8	31.0	8,720	6,600	20.6	41.4	9,560	7,070	22.6	47.9	
	26		6,530	5,390	17.6	33.1	7,950	6,310	18.9	36.5	9,540	7,420	23.2	49.8	10,460	7,950	25.5	58.1	
	27		7,020	5,990	19.6	38.5	8,550	7,010	21.0	42.6	10,260	8,250	25.8	59.3	11,250	8,830	28.3	70.1	
	28		7,370	6,580	21.6	44.4	8,980	7,710	23.1	49.5	10,770	9,070	28.3	70.3	11,810	9,720	31.1	83.9	
	29		7,720	7,240	23.5	50.9	9,410	8,480	25.2	57.1	11,290	9,980	30.9	82.9	12,380	10,690	33.9	99.8	
	30	8,070	7,780	25.5	58.2	9,830	9,110	27.3	65.7	11,800	10,720	33.5	97.1	12,940	11,480	36.8	118.0		
	24	7	24	4,730	3,670	10.6	17.7	5,670	4,320	11.4	19.2	6,820	5,110	13.9	24.4	7,490	5,460	15.3	27.4
	25		5,360	4,320	12.1	20.6	6,430	5,080	13.0	22.4	7,730	6,020	15.9	28.9	8,490	6,420	17.5	32.7	
	26		5,860	4,860	13.6	23.7	7,030	5,720	14.6	25.9	8,450	6,770	17.9	33.8	9,290	7,230	19.7	38.6	
27	6,300		5,400	15.1	27.0	7,560	6,350	16.2	29.7	9,090	7,520	19.9	39.3	9,990	8,030	21.8	45.3		
28	6,620		5,940	16.6	30.6	7,940	6,990	17.9	33.7	9,540	8,270	21.9	45.4	10,490	8,830	24.0	52.7		
29	6,930		6,540	18.1	34.5	8,320	7,680	19.5	38.1	10,000	9,100	23.9	52.1	10,990	9,720	26.2	61.2		
30	7,250	7,020	19.7	38.6	8,690	8,260	21.1	43.0	10,450	9,770	25.8	59.7	11,490	10,440	28.4	70.6			
24	8	24	3,650	2,880	6.7	10.9	4,390	3,430	7.3	11.9	5,260	5,060	8.8	14.6	5,740	4,320	9.6	15.9	
25		4,130	3,390	7.6	12.5	4,970	4,030	8.3	13.6	5,750	5,960	10.1	16.8	6,500	5,080	11.0	18.5		
26		4,520	3,810	8.6	14.1	5,440	4,530	9.3	15.4	6,200	6,700	11.3	19.2	7,110	5,720	12.3	21.1		
27		4,860	4,230	9.5	15.8	5,850	5,040	10.4	17.3	6,820	7,450	12.6	21.6	7,650	6,350	13.7	24.0		
28		5,100	4,660	10.5	17.5	6,140	5,540	11.4	19.3	7,260	8,190	13.9	24.3	8,030	6,990	15.1	27.0		
29		5,350	5,120	11.4	19.3	6,440	6,090	12.4	21.3	7,970	9,010	15.1	27.0	8,420	7,680	16.5	30.2		
30	5,590	5,380	12.4	21.2	6,730	6,400	13.5	23.4	8,460	9,460	16.4	30.0	8,800	8,070	17.8	33.6			
24	4	24	4,810	3,570	25.1	56.7	5,850	4,290	26.7	63.4	7,000	5,000	32.8	93.3	7,710	5,380	36.1	113.8	
25		5,450	4,200	28.7	71.8	6,630	5,040	30.6	81.1	7,930	5,880	37.5	123.2	8,740	6,330	41.3	152.6		
26		5,970	4,730	32.2	90.0	7,250	5,670	34.4	102.5	8,680	6,620	42.2	160.2	9,560	7,120	46.5	200.8		
27		6,420	5,250	35.8	111.7	7,800	6,300	38.2	128.2	9,330	7,350	46.9	205.2	10,280	7,910	51.6	259.9		
28		6,740	5,780	39.4	137.3	8,190	6,930	42.0	158.6	9,800	8,090	51.6	259.3	-	-	-	-		
29		7,060	6,350	43.0	167.2	8,580	7,630	45.8	194.4	-	-	-	-	-	-	-	-		
30	7,380	6,830	46.6	201.9	8,970	8,190	49.7	236.0	-	-	-	-	-	-	-	-			
24	5	24	4,540	3,530	15.7	28.3	6,080	4,570	19.0	36.8	6,560	4,920	22.5	47.4	7,220	5,210	24.7	55.3	
25		5,140	4,150	17.9	33.8	6,890	5,370	21.7	44.9	7,440	5,780	25.7	59.2	8,180	6,130	28.2	69.9		
26		5,630	4,670	20.2	40.1	7,530	6,040	24.4	54.3	8,140	6,510	28.9	73.1	8,950	6,900	31.8	87.4		
27		6,050	5,190	22.4	47.1	8,100	6,720	27.2	65.1	8,750	7,230	32.1	89.4	9,620	7,660	35.3	108.3		
28		6,350	5,710	24.6	55.0	8,510	7,390	29.9	77.6	9,190	7,950	35.4	108.6	10,100	8,430	38.8	132.9		
29		6,660	6,280	26.9	63.9	8,910	8,130	32.6	92.0	9,620	8,750	38.6	130.9	10,590	9,270	42.4	161.6		
30	6,960	6,750	29.1	73.9	9,320	8,730	35.3	108.3	10,060	9,400	41.8	156.6	11,070	9,960	45.9	194.9			
24	6	24	4,260	3,450	12.9	22.3	5,190	4,030	13.8	24.2	6,230	4,750	17.0	31.4	6,830	5,080	18.6	35.7	
25		4,830	4,050	14.8	26.2	5,890	4,750	15.8	28.6	7,060	5,590	19.4	37.9	7,750	5,980	21.3	43.5		
26		5,290	4,560	16.6	30.5	6,440	5,340	17.8	33.5	7,730	6,280	21.8	45.2	8,470	6,730	23.9	52.5		
27		5,690	5,070	18.4	35.2	6,930	5,930	19.8	38.9	8,310	6,980	24.2	53.5	9,110	7,480	26.6	62.8		
28		5,970	5,570	20.3	40.5	7,270	6,520	21.7	44.9	8,730	7,680	26.7	63.0	9,570	8,220	29.3	74.7		
29		6,250	5,880	22.1	46.2	7,620	6,880	23.7	51.6	9,140	8,100	29.1	73.8	10,020	8,670	31.9	88.3		
30	6,540	6,230	24.0	52.6	7,960	7,530	25.7	59.1	9,560	8,870	31.5	86.0	10,480	9,490	34.6	103.8			
24	7	24	3,830	3,110	10.0	16.6	4,590	3,660	10.7	17.9	5,520	4,330	13.1	22.7	6,070	4,620	14.4	25.4	
25		4,340	3,660	11.4	19.2	5,210	4,300	12.2	20.9	6,260	5,090	15.0	26.7	6,880	5,440	16.4	30.1		
26		4,750	4,120	12.8	22.1	5,690	4,840	13.8	24.0	6,850	5,730	16.8	31.1	7,530	6,120	18.5	35.4		
27		5,100	4,570	14.2	25.1	6,120	5,380	15.3	27.4	7,360	6,360	18.7	36.0	8,090	6,800	20.5	41.2		
28		5,360	5,030	15.6	28.3	6,430	5,910	16.8	31.0	7,730	7,000	20.6	41.3	8,500	7,480	22.6	47.8		
29		5,610	5,300	17.1	31.7	6,740	6,240	18.3	35.0	8,100	7,380	22.4	47.3	8,900	7,880	24.7	55.1		
30	5,870	5,620	18.5	35.4	7,040	6,610	19.9	39.2	8,470	7,830	24.3	53.8	9,310	8,500	26.7	63.2			
24	8	24	2,950	2,440	6.3	10.2	3,550	2,900	6.8	11.1	5,360	4,290	8.3	13.6	4,650	3,660	9.0	14.9	
25		3,350	2,870	7.2	11.7	4,030	3,410	7.8	12.8	6,070	5,040	9.5	15.7	5,270	4,300	10.3	17.3		
26		3,660	3,230	8.1	13.2	4,410	3,840	8.8	14.5	6,640	5,670	10.7	17.9	5,760	4,840	11.6	19.7		
27		3,940	3,580	9.0	14.8	4,740	4,260	9.7	16.2	7,140	6,300	11.9	20.2	6,200	5,380	12.9	22.3		
28		4,130	3,940	9.9	16.4	4,980	4,690	10.7	18.0	7,500	6,930	13.0	22.5	6,510	5,910	14.2	25.0		
29		4,330	4,160	10.7	18.0	5,210	4,950	11.7	19.9	7,860	7,310	14.2	25.1	6,820	6,240	15.5	27.9		
30	4,530	4,370	11.6	19.8	5,450	5,200	12.7	21.8	8,220	7,690	15.4	27.7	7,130	6,610	16.8	31.0			

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	3,990	3,050	21.1	43.0	4,860	3,660	22.5	47.5	5,810	4,270	27.6	67.2	6,400	4,590	30.4	80.4
		25	4,530	3,590	24.1	53.1	5,500	4,300	25.7	59.2	6,580	5,020	31.6	86.4	7,250	5,400	34.8	104.9
		26	4,950	4,030	27.1	65.1	6,020	4,840	28.9	73.1	7,200	5,650	35.5	109.7	7,940	6,080	39.1	135.1
		27	5,330	4,480	30.2	79.0	6,480	5,380	32.2	89.5	7,750	6,280	39.5	137.8	8,530	6,750	43.5	171.5
		28	5,590	4,930	33.2	95.3	6,800	5,920	35.4	108.7	8,130	6,900	43.4	171.1	8,960	7,430	47.8	215.1
		29	5,860	5,420	36.2	114.1	7,120	6,510	38.6	131.1	8,520	7,590	47.4	210.3	9,390	8,170	52.2	266.6
	30	6,120	5,830	39.2	135.7	7,450	6,990	41.8	156.8	8,910	8,160	51.3	256.0	-	-	-	-	
	5	24	3,770	3,010	13.2	22.9	5,540	4,220	17.4	32.6	5,450	4,200	18.9	36.6	5,990	4,450	20.8	42.0
		25	4,270	3,540	15.1	27.0	6,270	4,960	19.9	39.4	6,170	4,940	21.6	44.6	6,790	5,230	23.8	51.9
		26	4,670	3,990	17.0	31.4	6,860	5,580	22.4	47.2	6,750	5,550	24.4	53.9	7,430	5,890	26.7	63.4
		27	5,020	4,430	18.9	36.4	7,380	6,210	24.9	56.1	7,260	6,170	27.1	64.7	7,990	6,540	29.7	76.9
		28	5,270	4,870	20.7	41.8	7,750	6,830	27.4	66.2	7,630	6,790	29.8	77.1	8,390	7,190	32.7	92.5
		29	5,530	5,140	22.6	47.8	8,120	7,200	29.9	77.8	7,990	7,160	32.5	91.3	8,790	7,590	35.7	110.6
	30	5,780	5,410	24.5	54.5	8,490	7,570	32.4	90.9	8,350	7,530	35.2	107.5	9,190	7,980	38.6	131.4	
	6	24	3,540	2,940	10.9	18.3	4,310	3,440	11.6	19.8	5,170	4,050	14.3	25.2	5,670	4,340	15.7	28.3
		25	4,010	3,460	12.4	21.3	4,890	4,050	13.3	23.1	5,860	4,770	16.3	29.9	6,430	5,110	17.9	33.9
		26	4,390	3,890	14.0	24.5	5,350	4,560	15.0	26.7	6,420	5,360	18.4	35.0	7,030	5,740	20.2	40.1
		27	4,720	4,320	15.5	28.0	5,750	5,060	16.6	30.6	6,900	5,960	20.4	40.8	7,560	6,380	22.4	47.1
		28	4,960	4,630	17.1	31.7	6,040	5,420	18.3	34.9	7,240	6,380	22.4	47.3	7,940	6,830	24.6	55.0
		29	5,190	4,890	18.6	35.8	6,320	5,720	20.0	39.5	7,590	6,730	24.5	54.4	8,320	7,210	26.9	63.9
	30	5,430	5,190	20.2	40.2	6,610	6,080	21.6	44.6	7,930	7,150	26.5	62.5	8,700	7,660	29.1	74.0	
	7	24	3,180	2,650	8.4	13.8	3,810	3,120	9.0	14.9	4,580	3,690	11.0	18.6	5,040	3,950	12.1	20.7
		25	3,600	3,120	9.6	15.9	4,320	3,670	10.3	17.2	5,200	4,350	12.6	21.6	5,710	4,640	13.8	24.2
		26	3,940	3,510	10.8	18.1	4,730	4,130	11.6	19.6	5,680	4,890	14.2	24.9	6,250	5,220	15.6	28.1
		27	4,240	3,900	12.0	20.4	5,080	4,590	12.9	22.2	6,110	5,430	15.7	28.5	6,720	5,800	17.3	32.3
		28	4,450	4,180	13.2	22.8	5,340	4,910	14.2	24.9	6,420	5,810	17.3	32.3	7,050	6,210	19.0	36.9
		29	4,660	4,410	14.4	25.4	5,590	5,190	15.4	27.8	6,720	6,140	18.9	36.5	7,390	6,560	20.8	41.9
	30	4,870	4,680	15.6	28.1	5,850	5,510	16.7	30.8	7,030	6,520	20.5	41.0	7,720	6,960	22.5	47.4	
	8	24	2,450	2,080	5.3	8.6	2,950	2,470	5.7	9.3	4,450	3,660	7.0	11.4	3,860	3,120	7.6	12.5
		25	2,780	2,450	6.0	9.8	3,340	2,910	6.6	10.7	5,040	4,300	8.0	13.1	4,370	3,670	8.7	14.3
26		3,040	2,750	6.8	11.1	3,660	3,280	7.4	12.1	5,520	4,840	9.0	14.8	4,780	4,130	9.8	16.3	
27		3,270	3,060	7.5	12.3	3,930	3,640	8.2	13.5	5,930	5,380	10.0	16.6	5,140	4,590	10.9	18.3	
28		3,430	3,270	8.3	13.6	4,130	3,890	9.0	14.9	6,230	5,760	11.0	18.5	5,400	4,910	12.0	20.4	
29		3,590	3,460	9.0	15.0	4,330	4,110	9.8	16.4	6,520	6,080	12.0	20.4	5,660	5,190	13.0	22.5	
30	3,760	3,670	9.8	16.3	4,520	4,370	10.7	17.9	6,820	6,460	13.0	22.4	5,920	5,510	14.1	24.8		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

## ◆ WF4A105CG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)				
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	
5	4	24	10,210	6,480	34.9	105.9	11,140	7,350	38.3	128.6	13,330	8,570	43.2	169.5	14,680	9,220	49.9	238.7	
		25	11,570	7,630	39.9	141.2	12,630	8,650	43.7	173.8	15,110	10,090	49.4	233.2	-	-	-	-	
		26	12,660	8,580	44.9	185.1	13,820	9,730	49.2	230.4	-	-	-	-	-	-	-	-	
		27	13,610	9,540	49.9	238.7	14,860	10,810	54.6	299.9	-	-	-	-	-	-	-	-	
		28	14,290	10,490	54.9	303.2	-	-	-	-	-	-	-	-	-	-	-	-	-
		29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	24	8,640	5,970	24.9	56.2	9,060	6,490	27.7	67.6	12,500	8,430	36.6	116.8	13,750	8,930	43.2	169.5	
		25	9,800	7,030	28.5	71.1	10,260	7,640	31.7	86.9	14,160	9,920	41.8	156.9	15,580	10,510	49.4	233.2	
		26	10,720	7,900	32.1	89.1	11,230	8,590	35.6	110.5	15,500	11,160	47.0	206.8	17,050	11,830	55.6	313.4	
		27	11,530	8,780	35.6	110.5	12,080	9,550	39.6	138.7	16,660	12,400	52.3	268.0	-	-	-	-	
		28	12,100	9,660	39.2	135.7	12,680	10,500	43.6	172.4	-	-	-	-	-	-	-	-	
		29	12,680	10,630	42.8	165.2	13,280	11,550	47.5	211.9	-	-	-	-	-	-	-	-	
	30	13,250	11,420	46.3	199.4	13,890	12,410	51.5	258.0	-	-	-	-	-	-	-	-		
	6	24	8,120	5,760	21.6	44.6	9,890	6,920	25.9	60.1	11,870	8,140	30.6	81.3	13,020	8,720	34.9	105.9	
		25	9,210	6,780	24.7	55.3	11,210	8,140	29.7	76.5	13,460	9,580	35.0	106.2	14,750	10,260	39.9	141.2	
		26	10,070	7,630	27.8	67.9	12,270	9,150	33.4	96.4	14,720	10,780	39.3	136.8	16,140	11,540	44.9	185.1	
		27	10,830	8,480	30.9	82.7	13,190	10,170	37.1	120.1	15,830	11,970	43.7	173.8	17,360	12,820	49.9	238.7	
		28	11,370	9,320	34.0	100.0	13,850	11,190	40.8	148.1	16,620	13,170	48.1	218.1	-	-	-	-	
		29	11,910	10,260	37.1	120.1	14,510	12,310	44.5	181.0	-	-	-	-	-	-	-	-	
	30	12,460	11,020	40.2	143.1	15,170	13,220	48.2	219.2	-	-	-	-	-	-	-	-		
	7	24	7,290	5,330	18.0	34.0	8,750	6,270	19.3	37.6	10,520	7,420	23.6	51.3	11,560	7,930	25.9	60.1	
		25	8,260	6,270	20.5	41.2	9,910	7,370	22.0	45.9	11,920	8,730	27.0	64.4	13,100	9,320	29.7	76.5	
		26	9,040	7,060	23.1	49.5	10,850	8,300	24.8	55.6	13,040	9,820	30.4	80.1	14,330	10,490	33.4	96.4	
		27	9,720	7,840	25.7	59.0	11,660	9,220	27.6	66.9	14,030	10,910	33.7	98.6	15,410	11,660	37.1	120.1	
		28	10,210	8,630	28.2	69.8	12,250	10,140	30.3	79.8	14,730	12,010	37.1	120.4	16,180	12,820	40.8	148.1	
		29	10,690	9,490	30.8	82.2	12,830	11,150	33.1	94.7	15,430	13,210	40.5	145.8	16,960	14,100	44.5	181.0	
	30	11,180	10,190	33.4	96.4	13,410	11,980	35.8	111.7	16,130	14,190	43.9	175.2	17,730	15,150	48.2	219.2		
	8	24	5,620	4,180	11.3	19.1	6,770	4,970	12.3	21.1	10,210	7,350	15.0	26.7	8,850	6,270	16.3	29.8	
		25	6,370	4,920	12.9	22.3	7,670	5,850	14.1	24.7	11,570	8,650	17.1	31.8	10,030	7,370	18.6	35.7	
26		6,970	5,530	14.5	25.7	8,390	6,580	15.8	28.7	12,660	9,730	19.2	37.5	10,980	8,300	21.0	42.5		
27		7,500	6,150	16.2	29.5	9,030	7,310	17.6	33.0	13,610	10,810	21.4	43.8	11,800	9,220	23.3	50.1		
28		7,870	6,760	17.8	33.5	9,480	8,040	19.3	37.7	14,290	11,890	23.5	50.9	12,390	10,140	25.6	58.8		
29		8,250	7,440	19.4	37.9	9,930	8,850	21.1	42.9	14,970	13,080	25.7	59.0	12,980	11,150	27.9	68.5		
30	8,620	7,990	21.0	42.6	10,380	9,500	22.9	48.6	15,650	14,050	27.8	67.9	13,570	11,980	30.3	79.6			
6	4	24	7,640	5,480	32.7	92.7	9,290	6,580	38.4	129.8	11,110	7,670	45.5	191.3	12,240	8,250	51.2	254.9	
		25	8,660	6,450	37.4	122.5	10,530	7,740	43.9	175.6	12,590	9,030	52.0	265.1	-	-	-	-	
		26	9,470	7,250	42.1	159.2	11,520	8,700	49.4	232.9	-	-	-	-	-	-	-	-	
		27	10,190	8,060	46.8	203.8	-	-	-	-	-	-	-	-	-	-	-	-	-
		28	10,700	8,870	51.4	257.4	-	-	-	-	-	-	-	-	-	-	-	-	-
		29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	24	7,210	5,420	21.3	43.7	8,270	6,140	25.6	58.9	10,420	7,540	34.7	104.6	11,460	7,990	38.1	127.7	
		25	8,170	6,370	24.4	54.1	9,370	7,220	29.3	74.8	11,810	8,870	39.7	139.4	12,990	9,410	43.6	172.6	
		26	8,940	7,170	27.4	66.4	10,250	8,130	33.0	94.1	12,920	9,980	44.6	182.6	14,210	10,580	49.0	228.7	
		27	9,610	7,960	30.5	80.7	11,030	9,030	36.6	117.1	13,890	11,090	49.6	235.3	15,280	11,760	54.5	297.6	
		28	10,090	8,760	33.5	97.4	11,580	9,930	40.3	144.2	14,590	12,200	54.6	298.7	-	-	-	-	
		29	10,570	9,640	36.6	116.8	12,130	10,930	44.0	176.0	-	-	-	-	-	-	-	-	
	30	11,050	10,350	39.6	139.1	12,680	11,740	47.6	213.0	-	-	-	-	-	-	-	-		
	6	24	6,770	5,290	19.9	39.4	8,250	6,190	21.3	43.7	9,900	7,290	26.2	61.1	10,850	7,800	28.7	72.2	
		25	7,680	6,220	22.8	48.3	9,350	7,280	24.4	54.1	11,220	8,570	29.9	77.9	12,300	9,180	32.9	93.4	
		26	8,400	7,000	25.6	58.8	10,230	8,190	27.4	66.4	12,270	9,640	33.7	98.2	13,460	10,330	37.0	119.3	
		27	9,030	7,770	28.5	70.9	11,000	9,100	30.5	80.7	13,200	10,710	37.4	122.5	14,470	11,470	41.1	150.5	
		28	9,480	8,550	31.3	84.9	11,550	10,010	33.5	97.4	13,860	11,790	41.1	151.2	15,190	12,620	45.2	187.7	
		29	9,930	9,410	34.2	101.1	12,100	11,010	36.6	116.8	14,520	12,960	44.9	184.9	15,920	13,880	49.3	231.5	
	30	10,380	10,110	37.0	119.6	12,650	11,830	39.6	139.1	15,180	13,930	48.6	224.1	-	-	-	-		
	7	24	6,080	4,770	15.4	27.6	7,290	5,610	16.5	30.3	8,770	6,640	20.2	40.2	9,640	7,090	22.2	46.4	
		25	6,890	5,610	17.6	32.9	8,270	6,600	18.9	36.4	9,940	7,810	23.1	49.5	10,920	8,340	25.4	57.8	
		26	7,540	6,310	19.8	38.9	9,040	7,420	21.2	43.3	10,870	8,790	26.0	60.2	11,950	9,390	28.5	71.3	
		27	8,100	7,020	22.0	45.6	9,720	8,250	23.6	51.2	11,690	9,770	28.9	72.8	12,850	10,430	31.7	87.1	
		28	8,510	7,720	24.2	53.2	10,210	9,070	25.9	60.1	12,280	10,740	31.8	87.3	13,490	11,470	34.9	105.6	
		29	8,910	8,490	26.3	61.7	10,700	9,980	28.3	70.2	12,860	11,820	34.6	104.1	14,130	12,620	38.1	127.1	
	30	9,320	9,120	28.5	71.3	11,180	10,720	30.7	81.5	13,450	12,700	37.5	123.3	14,780	13,560	41.2	151.9		
	8	24	4,690	3,740	9.7	16.1	5,640	4,450	10.5	17.6	8,510	6,580	12.8	22.1	7,380	5,610	13.9	24.4	
		25	5,310	4,400	11.1	18.6	6,400	5,230	12.0	20.5	9,640	7,740	14.6	26.0	8,360	6,600	15.9	28.9	
26		5,810	4,950	12.4	21.3	7,000	5,890	13.5	23.6	10,550	8,700	16.5	30.2	9,150	7,420	17.9	33.9		
27		6,250	5,500	13.8	24.2	7,520	6,540	15.0	26.9	11,340	9,670	18.3	34.9	9,840	8,250	19.9	39.4		
28		6,560	6,050	15.2	27.2	7,900	7,200	16.5	30.4	11,910	10,640	20.1	40.0	10,330	9,070	21.9	45.5		
29		6,880	6,650	16.6	30.5	8,280	7,920	18.1	34.2	12,480	11,700	22.0	45.6	10,820	9,980	23.9	52.3		
30	7,190	6,980	18.0	34.0	8,650	8,310	19.6	38.3	13,050	12,280	23.8	51.9	11,320	10,480	25.9	59.9			

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)				
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	
7	4	24	6,930	4,970	31.4	85.5	8,430	5,960	33.5	97.2	10,080	6,960	41.1	151.0	11,100	7,490	45.3	188.7	
		25	7,850	5,850	35.9	112.2	9,550	7,020	38.3	128.8	11,420	8,190	47.0	206.3	12,580	8,810	51.7	261.3	
		26	8,590	6,580	40.4	145.0	10,450	7,890	43.1	167.9	12,500	9,210	52.9	275.7	-	-	-	-	
		27	9,240	7,310	44.9	184.9	11,240	8,770	47.9	215.5	-	-	-	-	-	-	-	-	
		28	9,700	8,040	49.4	232.6	11,800	9,650	52.6	272.7	-	-	-	-	-	-	-	-	
		29	10,160	8,850	53.9	288.9	-	-	-	-	-	-	-	-	-	-	-	-	-
	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	5	24	6,540	4,910	19.6	38.6	7,880	5,850	23.1	49.5	9,450	6,840	28.2	69.6	10,400	7,250	31.0	83.1
	25		7,410	5,780	22.4	47.2	8,930	6,880	26.4	61.9	10,710	8,050	32.2	89.8	11,780	8,530	35.4	108.7	
	26		8,100	6,500	25.2	57.3	9,770	7,740	29.7	76.8	11,720	9,060	36.2	114.4	12,890	9,600	39.8	140.3	
	27		8,720	7,220	28.1	69.0	10,500	8,600	33.0	111.4	12,600	10,060	40.3	144.0	13,860	10,660	44.2	178.5	
	28		9,150	7,950	30.9	82.6	11,030	9,460	36.3	114.8	13,230	11,070	44.3	179.2	14,550	11,730	48.6	224.3	
	29		9,590	8,740	33.7	98.1	11,550	10,410	39.6	138.7	13,860	12,180	48.3	220.6	15,250	12,900	53.1	278.3	
	30	10,020	9,990	36.5	115.9	12,080	11,180	42.9	166.4	14,490	13,080	52.3	268.8	-	-	-	-		
	24	6	24	6,140	4,800	16.2	29.5	7,480	5,610	17.3	32.3	8,980	6,610	21.3	43.4	9,840	7,080	23.3	50.3
	25		6,960	5,640	18.5	35.3	8,480	6,600	19.8	39.0	10,170	7,770	24.3	53.7	11,160	8,320	26.7	63.0	
	26		7,620	6,350	20.8	42.0	9,280	7,430	22.3	46.7	11,130	8,750	27.3	65.8	12,210	9,370	30.0	78.2	
	27		8,190	7,050	23.1	49.5	9,980	8,260	24.8	55.4	11,970	9,720	30.4	80.0	13,130	10,410	33.3	96.2	
	28		8,600	7,760	25.4	58.0	10,470	9,080	27.2	65.4	12,570	10,690	33.4	96.6	13,780	11,450	36.7	117.3	
	29		9,010	8,530	27.7	67.6	10,970	9,990	29.7	76.8	13,170	11,760	36.4	115.7	14,440	12,590	40.0	141.9	
	30	9,420	9,170	30.0	78.4	11,470	10,730	32.2	89.6	13,770	12,630	39.5	137.7	15,090	13,530	43.3	170.2		
	24	7	24	5,510	4,330	12.5	21.4	6,620	5,090	13.4	23.3	7,950	6,020	16.4	30.0	8,740	6,430	18.0	34.1
	25		6,250	5,090	14.3	25.1	7,500	5,990	15.3	27.5	9,010	7,090	18.7	36.1	9,910	7,570	20.6	41.4	
	26		6,840	5,730	16.0	29.2	8,200	6,730	17.2	32.1	9,860	7,970	21.1	42.9	10,840	8,510	23.2	49.7	
	27		7,350	6,360	17.8	33.6	8,820	7,480	19.1	37.2	10,610	8,860	23.4	50.6	11,660	9,460	25.7	59.3	
	28		7,720	7,000	19.6	38.5	9,260	8,230	21.1	42.8	11,140	9,740	25.8	59.4	12,240	10,410	28.3	70.2	
	29		8,090	7,700	21.4	43.8	9,700	9,050	23.0	49.0	11,670	10,720	28.1	69.3	12,820	11,450	30.9	82.7	
	30	8,450	8,270	23.2	49.7	10,140	9,730	24.9	55.9	12,200	11,520	30.5	80.5	13,400	12,300	33.5	97.0		
	24	8	24	4,250	3,390	7.9	12.9	5,120	4,040	8.5	14.1	7,720	5,960	10.4	17.4	6,890	5,090	11.3	19.1
	25		4,820	3,990	9.0	14.8	5,800	4,750	9.8	16.2	8,750	7,020	11.9	20.2	7,590	5,990	12.9	22.3	
26	5,270		4,490	10.1	16.8	6,350	5,340	11.0	18.5	9,570	7,890	13.4	23.2	8,300	6,730	14.6	25.8		
27	5,670		4,990	11.2	18.9	6,830	5,930	12.2	20.9	10,290	8,770	14.9	26.4	8,930	7,480	16.2	29.5		
28	5,950		5,490	12.3	21.1	7,170	6,530	13.4	23.4	10,800	9,650	16.3	29.9	9,370	8,230	17.8	33.5		
29	6,240		6,040	13.5	23.4	7,510	7,180	14.7	26.0	11,320	10,610	17.8	33.6	9,820	9,050	19.4	37.9		
30	6,520	6,330	14.6	25.8	7,850	7,540	15.9	28.8	11,830	11,140	19.3	37.6	10,260	9,500	21.0	42.7			
24	4	24	5,610	4,210	29.6	76.1	6,830	5,050	31.5	86.0	8,160	5,890	38.7	131.8	8,990	6,340	42.6	163.7	
25		6,360	4,950	33.8	98.9	7,740	5,940	36.0	112.9	9,250	6,930	44.2	178.5	10,190	7,450	48.7	224.8		
26		6,960	5,570	38.0	126.7	8,460	6,680	40.5	146.1	10,120	7,800	49.7	236.9	11,150	8,390	54.8	301.6		
27		7,480	6,190	42.2	160.4	9,100	7,420	45.0	186.2	10,890	8,660	55.3	308.6	-	-	-	-		
28		7,860	6,810	46.5	200.6	9,560	8,170	49.5	234.4	-	-	-	-	-	-	-	-		
29		8,230	7,490	50.7	248.0	10,010	8,980	54.0	291.3	-	-	-	-	-	-	-	-		
30	8,610	8,040	54.9	303.3	-	-	-	-	-	-	-	-	-	-	-	-	-		
24	5	24	5,290	4,160	18.5	35.3	7,090	5,380	22.4	47.1	7,650	5,790	26.5	62.4	8,420	6,140	29.1	74.0	
25		6,000	4,890	21.1	43.0	8,030	6,330	25.6	58.7	8,680	6,810	30.3	79.8	9,540	7,220	33.3	95.9		
26		6,570	5,500	23.8	51.8	8,790	7,120	28.8	72.5	9,490	7,660	34.1	100.7	10,440	8,120	37.4	122.7		
27		7,060	6,110	26.4	61.9	9,450	7,910	32.0	88.7	10,210	8,520	37.9	125.8	11,230	9,030	41.6	155.1		
28		7,410	6,730	29.0	73.5	9,920	8,700	35.2	107.7	10,720	9,370	41.7	155.6	11,790	9,930	45.8	193.6		
29		7,770	7,400	31.7	86.9	10,400	9,570	38.4	129.7	11,230	10,300	45.5	190.5	12,350	10,920	49.9	239.1		
30	8,120	7,950	34.3	102.1	10,870	10,290	41.6	155.1	11,740	11,070	49.2	231.1	12,910	11,730	54.1	292.1			
24	6	24	4,980	4,060	15.2	27.3	6,060	4,750	16.3	29.8	7,270	5,590	20.0	39.6	7,970	5,990	22.0	45.6	
25		5,640	4,780	17.4	32.5	6,870	5,590	18.6	35.8	8,240	6,580	22.9	48.6	9,040	7,050	25.1	56.7		
26		6,170	5,370	19.6	38.3	7,510	6,290	21.0	42.5	9,020	7,400	25.7	59.1	9,890	7,930	28.2	69.8		
27		6,630	5,970	21.7	44.9	8,080	6,990	23.3	50.1	9,700	8,230	28.6	71.4	10,630	8,810	31.4	85.2		
28		6,970	6,570	23.9	52.3	8,480	7,690	25.6	58.8	10,180	9,050	31.4	85.5	11,160	9,690	34.5	103.2		
29		7,300	6,920	26.1	60.6	8,890	8,110	27.9	68.6	10,670	9,540	34.3	101.9	11,690	10,220	37.6	124.1		
30	7,630	7,340	28.3	70.0	9,290	8,870	30.3	79.6	11,150	10,450	37.1	120.5	12,230	11,190	40.8	148.1			
24	7	24	4,470	3,660	11.7	19.9	5,360	4,310	12.6	21.7	6,440	5,100	15.4	27.8	7,080	5,440	17.0	31.4	
25		5,060	4,310	13.4	23.3	6,070	5,070	14.4	25.4	7,300	6,000	17.6	33.1	8,020	6,410	19.4	37.8		
26		5,540	4,850	15.1	27.0	6,640	5,700	16.2	29.6	7,990	6,750	19.8	39.2	8,780	7,210	21.8	45.1		
27		5,950	5,390	16.8	30.9	7,140	6,330	18.0	34.1	8,590	7,500	22.0	45.9	9,440	8,010	24.2	53.5		
28		6,250	5,930	18.4	35.3	7,500	6,970	19.8	39.1	9,020	8,250	24.2	53.6	9,910	8,810	26.6	62.9		
29		6,550	6,250	20.1	40.0	7,860	7,350	21.6	44.5	9,450	8,700	26.5	62.2	10,380	9,290	29.1	73.7		
30	6,850	6,630	21.8	45.1	8,220	7,790	23.4	50.6	9,880	9,220	28.7	71.8	10,860	10,010	31.5	85.9			
24	8	24	3,440	2,870	7.4	12.1	4,150	3,420	8.0	13.2	6,250	5,050	9.8	16.3	5,420	4,310	10.7	17.9	
25		3,900	3,380	8.4	13.9	4,700	4,020	9.2	15.2	7,080	5,940	11.2	18.9	6,140	5,070	12.2	20.8		
26		4,270	3,800	9.5	15.8	5,140	4,520	10.3	17.3	7,750	6,680	12.6	21.6	6,720	5,700	13.7	23.9		
27		4,590	4,220	10.6	17.7	5,530	5,020	11.5	19.5	8,330	7,420	14.0	24.5	7,230	6,330	15.2	27.3		
28		4,820	4,640	11.6	19.7	5,800	5,520	12.6	21.7	8,750	8,170	15.4	27.6	7,590	6,970	16.7	30.9		
29		5,050	4,900	12.7	21.8	6,080	5,830	13.8	24.1	9,170	8,610	16.8	30.9	7,950	7,350	18.3	34.8		
30	5,280	5,150	13.7	24.0	6,360	6,130	14.9	26.6	9,590	9,060	18.2	34.5	8,310	7,790	19.8	39.0			

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	4,660	3,590	24.9	55.9	5,670	4,310	26.5	62.5	6,780	5,030	32.6	91.8	7,470	5,410	35.9	111.9
		25	5,280	4,230	28.4	70.8	6,420	5,070	30.3	79.8	7,680	5,920	37.2	121.2	8,460	6,360	41.0	149.9
		26	5,780	4,750	32.0	88.6	7,030	5,700	34.1	100.8	8,400	6,650	41.9	157.4	9,260	7,160	46.1	197.1
		27	6,210	5,280	35.5	109.9	7,550	6,340	37.9	126.0	9,040	7,390	46.5	201.4	9,950	7,950	51.2	254.9
		28	6,520	5,810	39.1	134.9	7,930	6,970	41.7	155.8	9,490	8,130	51.2	254.2	-	-	-	-
		29	6,830	6,390	42.7	164.2	8,310	7,670	45.5	190.8	-	-	-	-	-	-	-	-
	30	7,140	6,870	46.2	198.2	8,690	8,240	49.3	231.5	-	-	-	-	-	-	-	-	
	24	4,390	3,550	15.6	28.0	6,460	4,970	20.6	41.3	6,350	4,940	22.3	46.8	6,990	5,240	24.5	54.6	
	25	4,980	4,180	17.8	33.5	7,320	5,850	23.5	50.9	7,200	5,820	25.5	58.4	7,920	6,160	28.0	68.9	
	26	5,450	4,700	20.0	39.6	8,010	6,580	26.4	62.1	7,880	6,540	28.7	72.0	8,670	6,930	31.5	86.1	
	27	5,860	5,220	22.2	46.5	8,610	7,310	29.4	75.2	8,470	7,270	31.9	88.1	9,320	7,700	35.0	106.5	
	28	6,150	5,740	24.4	54.3	9,040	8,040	32.3	90.4	8,900	8,000	35.1	106.8	9,790	8,480	38.5	130.6	
	29	6,450	6,050	26.7	63.0	9,470	8,480	35.2	107.9	9,320	8,430	38.3	128.7	10,250	8,940	42.0	158.7	
	30	6,740	6,370	28.9	72.9	9,900	8,920	38.2	128.0	9,740	8,870	41.5	153.8	10,720	9,400	45.5	191.3	
	24	4,130	3,460	12.8	22.1	5,030	4,060	13.7	24.0	6,040	4,770	16.8	31.1	6,620	5,110	18.5	35.4	
	25	4,680	4,080	14.6	26.0	5,700	4,770	15.7	28.3	6,840	5,620	19.2	37.4	7,500	6,010	21.1	43.0	
	26	5,120	4,590	16.5	30.2	6,240	5,370	17.6	33.1	7,490	6,320	21.6	44.6	8,210	6,770	23.8	51.8	
	27	5,510	5,100	18.3	34.9	6,710	5,960	19.6	38.5	8,050	7,020	24.0	52.8	8,830	7,520	26.4	61.9	
	28	5,780	5,450	20.1	40.0	7,040	6,380	21.6	44.4	8,450	7,510	26.5	62.2	9,270	8,040	29.0	73.6	
	29	6,060	5,760	22.0	45.6	7,380	6,740	23.5	51.0	8,850	7,930	28.9	72.7	9,710	8,500	31.7	86.9	
	30	6,330	6,110	23.8	51.9	7,710	7,160	25.5	58.3	9,260	8,430	31.3	84.7	10,150	9,020	34.3	102.1	
	24	3,710	3,130	9.9	16.4	4,450	3,680	10.6	17.8	5,350	4,350	13.0	22.4	5,880	4,650	14.3	25.2	
	25	4,200	3,680	11.3	19.1	5,040	4,320	12.1	20.7	6,060	5,120	14.8	26.4	6,660	5,470	16.3	29.8	
	26	4,600	4,140	12.7	21.9	5,520	4,870	13.6	23.8	6,630	5,760	16.7	30.8	7,290	6,150	18.3	35.0	
	27	4,940	4,600	14.1	24.8	5,930	5,410	15.2	27.1	7,130	6,400	18.6	35.6	7,840	6,830	20.4	40.8	
	28	5,190	4,920	15.5	28.0	6,230	5,780	16.7	30.7	7,490	6,850	20.4	40.8	8,230	7,310	22.4	47.2	
	29	5,440	5,200	16.9	31.4	6,520	6,110	18.2	34.6	7,840	7,230	22.3	46.7	8,620	7,720	24.5	54.4	
	30	5,680	5,520	18.3	35.0	6,820	6,490	19.7	38.8	8,200	7,680	24.1	53.1	9,010	8,200	26.5	62.4	
	24	2,860	2,450	6.2	10.1	3,440	2,920	6.8	11.0	5,190	4,310	8.2	13.5	4,500	3,680	9.0	14.8	
	25	3,240	2,880	7.1	11.6	3,900	3,430	7.7	12.7	5,880	5,070	9.4	15.6	5,100	4,320	10.2	17.1	
26	3,550	3,240	8.0	13.1	4,270	3,860	8.7	14.3	6,430	5,700	10.6	17.7	5,580	4,870	11.5	19.5		
27	3,810	3,600	8.9	14.7	4,590	4,290	9.7	16.1	6,920	6,340	11.8	20.0	6,000	5,410	12.8	22.1		
28	4,000	3,860	9.8	16.3	4,820	4,590	10.6	17.8	7,260	6,780	12.9	22.3	6,300	5,780	14.1	24.8		
29	4,190	4,070	10.7	17.9	5,050	4,840	11.6	19.7	7,610	7,160	14.1	24.8	6,600	6,110	15.4	27.6		
30	4,380	4,320	11.6	19.6	5,280	5,140	12.6	21.6	7,960	7,610	15.3	27.4	6,900	6,490	16.7	30.6		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

## ◆ WF4A130CG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
5	4	24	12,636	7,917	40.0	164.2	13,797	8,973	43.8	192.5	16,505	10,469	49.5	240.3	-	-	-	-
		25	14,321	9,315	45.7	207.7	15,637	10,557	50.1	245.2	-	-	-	-	-	-	-	-
		26	15,669	10,479	51.4	257.7	-	-	-	-	-	-	-	-	-	-	-	-
		27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	24	10,702	7,291	28.6	94.4	11,213	7,925	31.8	111.6	15,473	10,293	41.9	178.0	17,021	10,909	49.5	240.3
		25	12,129	8,578	32.7	116.8	12,708	9,324	36.3	139.0	17,536	12,109	47.9	226.0	-	-	-	-
		26	13,271	9,650	36.7	142.0	13,904	10,490	40.8	170.0	19,187	13,623	53.9	281.2	-	-	-	-
		27	14,270	10,723	40.8	170.0	14,950	11,655	45	204.8	-	-	-	-	-	-	-	-
		28	14,983	11,795	44.9	201.1	15,698	12,821	49.9	243.6	-	-	-	-	-	-	-	-
		29	15,697	12,974	49.0	235.5	16,445	14,103	54.4	286.6	-	-	-	-	-	-	-	-
	30	16,410	13,939	53.1	273.2	-	-	-	-	-	-	-	-	-	-	-	-	
	6	24	10,058	7,038	24.8	75.8	12,250	8,445	29.7	100.4	14,700	9,941	35.1	131.2	16,118	10,645	40.0	164.2
		25	11,399	8,280	28.3	93.0	13,883	9,936	34.0	124.6	16,660	11,695	40.1	164.6	18,267	12,523	45.7	207.7
		26	12,471	9,315	31.8	112.1	15,190	11,178	38.2	151.7	18,227	13,157	45.1	202.4	19,986	14,088	51.4	257.7
		27	13,410	10,350	35.4	133.3	16,333	12,420	42.5	182.1	19,599	14,619	50.1	245.2	-	-	-	-
		28	14,081	11,385	38.9	156.6	17,150	13,662	46.7	215.8	20,579	16,081	55.1	293.1	-	-	-	-
		29	14,751	12,523	42.5	182.1	17,966	15,028	50.9	253.2	-	-	-	-	-	-	-	-
	30	15,422	13,455	46.0	210.0	18,783	16,145	55.2	294.2	-	-	-	-	-	-	-	-	
	7	24	9,026	6,510	20.6	57.8	10,831	7,654	22.1	64.0	13,023	9,061	27.1	86.7	14,313	9,677	29.7	100.4
		25	10,230	7,659	23.5	70.1	12,275	9,004	25.3	78.1	14,760	10,660	30.9	106.9	16,221	11,385	34.0	124.6
		26	11,192	8,616	26.5	83.8	13,431	10,130	28.4	93.6	16,149	11,993	34.8	129.5	17,748	12,808	38.2	151.7
		27	12,035	9,573	29.4	98.7	14,442	11,255	31.6	110.6	17,364	13,325	38.6	154.7	19,084	14,231	42.5	182.1
		28	12,636	10,531	32.3	114.9	15,164	12,381	34.7	129.2	18,233	14,658	42.5	182.5	20,038	15,654	46.7	215.8
		29	13,238	11,584	35.3	132.6	15,886	13,619	37.9	149.5	19,101	16,123	46.4	213.1	20,992	17,219	50.9	253.2
	30	13,840	12,445	38.2	151.7	16,608	14,632	41.0	171.6	19,969	17,323	50.2	246.7	-	-	-	-	
	8	24	6,963	5,102	13.0	30.9	8,381	6,070	14.1	34.4	12,636	8,973	17.1	44.8	10,960	7,654	18.7	50.3
		25	7,891	6,003	14.8	36.7	9,499	7,141	16.1	41.1	14,321	10,557	19.6	53.9	12,422	9,004	21.3	60.9
26		8,634	6,753	16.7	43.0	10,393	8,034	18.1	48.3	15,669	11,876	22.0	63.8	13,591	10,130	24.0	72.3	
27		9,284	7,503	18.5	49.7	11,175	8,927	20.1	56.0	16,849	13,196	24.5	74.6	14,614	11,255	26.7	84.8	
28		9,748	8,254	20.4	56.9	11,734	9,819	22.2	64.3	17,691	14,515	26.9	86.2	15,344	12,381	29.3	98.4	
29		10,212	9,079	22.2	64.5	12,293	10,801	24.2	73.1	18,534	15,967	29.4	98.7	16,075	13,619	32.0	113.1	
30	10,677	9,755	24.1	72.6	12,851	11,605	26.2	82.5	19,376	17,155	31.8	112.1	16,806	14,632	34.7	128.9		
6	4	24	9,459	6,691	37.5	146.9	11,502	8,029	44.0	194.0	13,759	9,368	52.2	264.5	-	-	-	-
		25	10,721	7,872	42.8	185.0	13,035	9,446	50.3	247.2	-	-	-	-	-	-	-	-
		26	11,730	8,856	48.2	228.6	-	-	-	-	-	-	-	-	-	-	-	-
		27	12,613	9,840	53.6	278.0	-	-	-	-	-	-	-	-	-	-	-	-
		28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	24	8,922	6,612	24.5	74.4	10,238	7,497	29.4	98.6	12,899	9,210	39.8	162.5	14,189	9,761	43.7	191.5
		25	10,112	7,779	27.9	91.2	11,603	8,820	33.6	122.2	14,619	10,835	45.5	205.6	16,081	11,484	49.9	243.8
		26	11,063	8,752	31.4	109.8	12,695	9,923	37.8	148.7	15,995	12,190	51.1	254.9	-	-	-	-
		27	11,896	9,724	34.9	130.5	13,650	11,025	42	178.3	-	-	-	-	-	-	-	-
		28	12,491	10,696	38.4	153.2	14,333	12,128	46.2	211.3	-	-	-	-	-	-	-	-
		29	13,086	11,766	41.9	178.0	15,015	13,340	50.3	247.7	-	-	-	-	-	-	-	-
	30	13,680	12,641	45.4	205.2	15,698	14,333	54.5	287.7	-	-	-	-	-	-	-	-	
	6	24	8,385	6,455	22.8	67.1	10,212	7,557	24.5	74.4	12,254	8,895	30.0	101.9	13,437	9,525	32.9	118.4
		25	9,502	7,594	26.1	82.0	11,573	8,891	27.9	91.2	13,888	10,465	34.3	126.5	15,228	11,206	37.6	147.8
		26	10,397	8,543	29.3	98.4	12,663	10,002	31.4	109.8	15,195	11,773	38.6	154.1	16,662	12,607	42.3	181.2
		27	11,179	9,493	32.6	116.5	13,616	11,113	34.9	130.5	16,339	13,081	42.8	185.0	17,916	14,007	47.0	218.7
		28	11,738	10,442	35.9	136.3	14,297	12,225	38.4	153.2	17,156	14,389	47.1	219.4	18,811	15,408	51.7	260.6
		29	12,297	11,486	39.1	158.0	14,977	13,447	41.9	178.0	17,973	15,828	51.4	257.5	-	-	-	-
	30	12,856	12,340	42.4	181.5	15,658	14,447	45.4	205.2	-	-	-	-	-	-	-	-	
	7	24	7,525	5,825	17.6	46.4	9,029	6,849	18.9	51.2	10,857	8,108	23.1	68.5	11,932	8,659	25.4	78.9
		25	8,528	6,853	20.1	55.9	10,233	8,057	21.6	62.0	12,304	9,539	26.5	83.8	13,523	10,187	29.1	96.9
		26	9,330	7,710	22.6	66.3	11,197	9,064	24.3	73.7	13,463	10,731	29.8	100.6	14,795	11,460	32.7	117.0
		27	10,033	8,566	25.1	77.6	12,039	10,071	27.0	86.5	14,476	11,924	33.1	119.2	15,909	12,734	36.3	139.3
		28	10,534	9,423	27.7	89.7	12,641	11,078	29.7	100.4	15,200	13,116	36.4	139.6	16,705	14,007	40.0	163.8
		29	11,036	10,365	30.2	102.9	13,243	12,186	32.4	115.4	15,923	14,427	39.7	161.9	17,500	15,408	43.6	190.8
	30	11,538	11,136	32.7	117.0	13,845	13,093	35.1	131.6	16,647	15,501	43.0	186.1	18,295	16,554	47.2	220.2	
	8	24	5,805	4,566	11.1	25.3	6,987	5,432	12.1	28.2	10,534	8,029	14.7	36.3	9,137	6,849	16.0	40.7
		25	6,579	5,371	12.7	30.0	7,919	6,390	13.8	33.5	11,939	9,446	16.8	43.4	10,355	8,057	18.3	48.8
26		7,198	6,043	14.3	34.9	8,664	7,189	15.5	39.1	13,063	10,627	18.9	51.1	11,330	9,064	20.5	57.6	
27		7,740	6,714	15.8	40.2	9,316	7,988	17.2	45.1	14,046	11,808	21.0	59.3	12,183	10,071	22.8	67.1	
28		8,127	7,386	17.4	45.7	9,782	8,786	19.0	51.4	14,748	12,989	23.1	68.1	12,792	11,078	25.1	77.4	
29		8,514	8,124	19.0	51.6	10,248	9,665	20.7	58.2	15,450	14,287	25.1	77.6	13,401	12,186	27.4	88.3	
30	8,900	8,527	20.6	57.8	10,714	10,144	22.4	65.3	16,153	14,996	27.2	87.7	14,010	12,791	29.7	100.1		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)				
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	
7	4	24	8,580	6,069	36.0	137.1	10,433	7,283	38.4	152.8	12,480	8,497	47.1	219.2	13,748	9,139	51.9	261.7	
		25	9,724	7,140	41.1	172.2	11,824	8,568	43.8	192.8	14,144	9,996	53.8	280.6	-	-	-	-	
		26	10,639	8,033	46.3	212.2	12,936	9,639	49.3	238.5	-	-	-	-	-	-	-	-	
		27	11,440	8,925	51.4	257.4	13,910	10,710	54.8	290.4	-	-	-	-	-	-	-	-	
		28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	24	8,093	5,998	22.5	65.7	9,750	7,140	26.5	83.8	11,700	8,354	32.3	114.6	12,870	8,854	35.5	133.7		
	25	9,172	7,056	25.7	80.2	11,050	8,400	30.2	103.2	13,260	9,828	36.9	143.0	14,586	10,416	40.5	167.8		
	26	10,035	7,938	28.9	96.2	12,090	9,450	34.0	124.9	14,508	11,057	41.5	175.0	15,959	11,718	45.6	206.6		
	27	10,790	8,820	32.1	113.8	13,000	10,500	37.8	150.0	15,600	12,285	46.1	211.0	17,160	13,020	50.7	250.4		
	28	11,330	9,702	35.3	133.0	13,650	11,550	41.6	175.5	16,380	13,514	50.7	251.1	-	-	-	-		
	29	11,869	10,672	38.6	154.1	14,300	12,705	45.4	204.8	-	-	-	-	-	-	-	-		
	30	12,409	11,466	41.8	176.9	14,950	13,650	49.1	236.8	-	-	-	-	-	-	-	-		
	24	7,605	5,855	18.5	49.8	9,263	6,854	19.8	54.9	11,115	8,068	24.3	73.9	12,188	8,639	26.7	85.1		
	25	8,619	6,888	21.2	60.2	10,498	8,064	22.7	66.5	12,597	9,492	27.8	90.5	13,813	10,164	30.5	104.9		
	26	9,430	7,749	23.8	71.5	11,486	9,072	25.5	79.3	13,783	10,679	31.3	109.1	15,113	11,435	34.4	127.0		
	27	10,140	8,610	26.5	83.8	12,350	10,080	28.4	93.2	14,820	11,865	34.8	129.5	16,250	12,705	38.2	151.5		
	28	10,647	9,471	29.1	97.2	12,968	11,088	31.2	108.4	15,561	13,052	38.3	152.0	17,063	13,976	42.0	178.6		
	29	11,154	10,418	31.8	111.6	13,585	12,197	34.0	124.9	16,302	14,357	41.7	176.7	17,875	15,373	45.8	208.5		
	30	11,661	11,193	34.4	127.2	14,203	13,104	36.9	142.7	17,043	15,425	45.2	203.6	18,688	16,517	49.6	241.2		
	24	6,825	5,284	14.3	35.1	8,190	6,212	15.3	38.5	9,848	7,354	18.8	50.8	10,823	7,854	20.6	58.0		
	25	7,735	6,216	16.3	41.9	9,282	7,308	17.5	46.2	11,161	8,652	21.5	61.4	12,266	9,240	23.6	70.5		
	26	8,463	6,993	18.4	49.2	10,156	8,222	19.7	54.4	12,211	9,734	24.2	73.0	13,420	10,395	26.5	84.2		
	27	9,100	7,770	20.4	57.1	10,920	9,135	21.9	63.3	13,130	10,815	26.8	85.6	14,430	11,550	29.5	99.2		
	28	9,555	8,547	22.5	65.5	11,466	10,049	24.1	72.8	13,787	11,897	29.5	99.4	15,152	12,705	32.4	115.5		
	29	10,010	9,402	24.5	74.6	12,012	11,053	26.3	83.1	14,443	13,086	32.2	114.2	15,873	13,976	35.4	133.3		
	30	10,465	10,101	26.5	84.2	12,558	11,876	28.5	94.0	15,100	14,060	34.9	130.2	16,595	15,015	38.3	152.5		
	24	5,265	4,141	9.0	19.6	6,338	4,927	9.8	21.7	7,555	5,723	11.9	27.7	8,288	6,212	13.0	30.9		
	25	5,967	4,872	10.3	23.1	7,183	5,796	11.2	25.6	8,829	6,568	13.6	32.9	9,393	7,308	14.8	36.8		
26	6,529	5,481	11.6	26.7	7,859	6,521	12.6	29.7	9,848	7,639	15.3	38.4	10,277	8,222	16.7	43.1			
27	7,020	6,090	12.9	30.6	8,450	7,245	14.0	34.1	10,710	8,710	17.0	44.3	11,050	9,135	18.5	49.8			
28	7,371	6,699	14.1	34.6	8,873	7,970	15.4	38.7	11,377	10,181	18.7	50.5	11,603	10,049	20.4	56.9			
29	7,722	7,369	15.4	38.8	9,295	8,766	16.8	43.5	12,014	11,299	20.4	57.1	12,155	11,053	22.2	64.6			
30	8,073	7,734	16.7	43.2	9,718	9,201	18.2	48.5	12,651	13,602	22.1	64.1	12,708	11,601	24.1	72.7			
24	6,950	5,137	33.9	123.9	8,450	6,164	36.1	137.8	10,109	7,192	44.3	196.4	11,135	7,735	48.8	233.8			
25	7,876	6,043	38.7	155.0	9,577	7,252	41.3	173.2	11,457	8,461	50.6	250.4	-	-	-	-			
26	8,618	6,799	43.5	190.3	10,478	8,158	46.4	213.4	-	-	-	-	-	-	-	-			
27	9,266	7,554	48.4	230.1	11,267	9,065	51.6	258.9	-	-	-	-	-	-	-	-			
28	9,730	8,310	53.2	274.5	-	-	-	-	-	-	-	-	-	-	-	-			
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
24	6,555	5,076	21.2	60.1	8,775	6,569	25.7	80.0	9,477	7,071	30.4	103.9	10,425	7,494	33.4	120.9			
25	7,429	5,972	24.2	73.1	9,945	7,728	29.3	98.4	10,741	8,318	34.7	129.1	11,815	8,816	38.1	151.2			
26	8,128	6,719	27.2	87.5	10,881	8,694	33.0	118.8	11,751	9,358	39.1	157.5	12,927	9,918	42.9	185.4			
27	8,740	7,465	30.2	103.2	11,700	9,660	37	141.5	12,636	10,398	43.4	189.2	13,900	11,020	47.7	223.9			
28	9,177	8,212	33.3	120.3	12,285	10,626	40.3	166.5	13,268	11,438	47.7	224.5	14,595	12,122	52.4	267.0			
29	9,614	9,033	36.3	139.0	12,870	11,689	44.0	193.9	13,900	12,582	52.1	263.6	-	-	-	-			
30	10,051	9,705	39.3	159.2	13,455	12,558	47.7	224.0	-	-	-	-	-	-	-	-			
24	6,160	4,956	17.4	45.8	7,503	5,802	18.7	50.3	9,003	6,829	22.9	67.5	9,872	7,312	25.1	77.5			
25	6,981	5,830	19.9	55.1	8,503	6,825	21.3	60.9	10,204	8,034	26.2	82.4	11,188	8,603	28.7	95.2			
26	7,638	6,559	22.4	65.3	9,303	7,679	24.0	72.3	11,164	9,038	29.4	99.0	12,241	9,678	32.3	114.9			
27	8,213	7,288	24.9	76.4	10,004	8,532	26.7	84.8	12,004	10,043	32.7	117.2	13,163	10,754	35.9	136.7			
28	8,624	8,016	27.4	88.4	10,504	9,385	29.3	98.4	12,604	11,047	36.0	137.1	13,821	11,829	39.5	160.7			
29	9,035	8,454	29.9	101.2	11,004	9,897	32.0	113.1	13,205	11,649	39.3	159.0	14,479	12,474	43.1	187.0			
30	9,445	8,964	32.4	115.1	11,504	10,835	34.7	128.9	13,805	12,754	42.5	182.7	15,137	13,657	46.7	215.8			
24	5,528	4,472	13.4	32.4	6,634	5,258	14.4	35.5	7,976	6,225	17.7	46.7	8,766	6,648	19.4	53.2			
25	6,265	5,261	15.4	38.6	7,518	6,185	16.5	42.5	9,040	7,323	20.2	56.3	9,935	7,821	22.2	64.4			
26	6,855	5,919	17.3	45.3	8,226	6,959	18.6	49.9	9,891	8,238	22.7	66.7	10,870	8,798	25.0	76.7			
27	7,371	6,577	19.2	52.4	8,845	7,732	20.6	58.0	10,635	9,154	25.3	78.0	11,688	9,776	27.7	90.1			
28	7,740	7,234	21.1	60.0	9,287	8,505	22.7	66.6	11,167	10,069	27.8	90.3	12,273	10,754	30.5	104.7			
29	8,108	7,629	23.0	68.1	9,730	8,969	24.8	75.7	11,699	10,618	30.3	103.6	12,857	11,340	33.3	120.5			
30	8,477	8,089	25.0	76.7	10,172	9,510	26.8	85.5	12,231	11,259	32.8	117.8	13,442	12,220	36.1	137.6			
24	4,265	3,505	8.5	18.2	5,133	4,170	9.2	20.2	7,740	6,164	11.2	25.7	6,713	5,258	12.2	28.6			
25	4,833	4,124	9.7	21.4	5,818	4,906	10.5	23.8	8,771	7,252	12.8	30.4	7,608	6,185	13.9	33.9			
26	5,288	4,639	10.9	24.8	6,365	5,519	11.8	27.5	9,597	8,158	14.4	35.4	8,324	6,959	15.7	39.7			
27	5,686	5,155	12.1	28.3	6,845	6,132	13.2	31.5	10,319	9,065	16.0	40.8	8,951	7,732	17.4	45.8			
28	5,971	5,670	13.3	31.9	7,187														



# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	5,769	4,385	28.5	94.0	7,015	5,262	30.4	104.0	8,392	6,139	37.3	145.7	9,244	6,603	41.1	171.9
		25	6,538	5,159	32.6	116.3	7,950	6,190	34.7	129.2	9,510	7,222	42.6	183.4	10,476	7,768	46.9	217.9
		26	7,154	5,803	36.6	141.4	8,698	6,964	39.1	157.6	10,406	8,125	48.0	226.6	11,462	8,739	52.8	270.8
		27	7,692	6,448	40.7	169.3	9,353	7,738	43.4	189.4	11,189	9,028	53.3	275.4	-	-	-	-
		28	8,077	7,093	44.8	200.2	9,821	8,512	47.8	224.8	-	-	-	-	-	-	-	-
		29	8,461	7,802	48.9	234.4	10,288	9,363	52.1	263.9	-	-	-	-	-	-	-	-
	5	30	8,846	8,383	52.9	271.9	10,756	10,059	56.4	307.0	-	-	-	-	-	-	-	-
		24	5,441	4,333	17.8	47.2	7,995	6,069	23.5	70.3	7,867	6,036	25.6	79.5	8,654	6,397	28.1	91.9
		25	6,167	5,098	20.4	56.9	9,061	7,140	26.9	86.0	8,916	7,101	29.2	97.8	9,808	7,526	32.1	113.6
		26	6,747	5,735	22.9	67.5	9,914	8,033	30.3	103.4	9,755	7,988	32.9	118.1	10,731	8,466	36.1	137.9
		27	7,255	6,372	25.5	79.0	10,660	8,925	34	122.6	10,489	8,876	36.5	140.6	11,538	9,407	40.1	165.0
		28	7,618	7,010	28.0	91.4	11,193	9,818	37.0	143.7	11,014	9,764	40.2	165.4	12,115	10,348	44.1	195.0
	6	29	7,981	7,392	30.5	104.9	11,726	10,353	40.4	166.8	11,538	10,296	43.8	192.7	12,692	10,912	48.1	228.1
		30	8,343	7,774	33.1	119.3	12,259	10,889	43.7	191.9	12,063	10,829	47.5	222.5	13,269	11,476	52.2	264.5
		24	5,114	4,230	14.7	36.3	6,228	4,952	15.7	39.8	7,474	5,829	19.3	52.7	8,195	6,242	21.2	60.2
		25	5,795	4,977	16.8	43.4	7,059	5,826	18.0	47.7	8,470	6,858	22.0	63.8	9,288	7,343	24.2	73.2
		26	6,341	5,599	18.9	51.1	7,723	6,555	20.2	56.3	9,267	7,715	24.8	75.9	10,162	8,261	27.2	87.5
		27	6,818	6,221	21.0	59.3	8,304	7,283	22.5	65.5	9,965	8,572	27.5	89.2	10,927	9,179	30.2	103.2
	7	28	7,159	6,656	23.1	68.1	8,719	7,793	24.7	75.5	10,463	9,173	30.3	103.5	11,473	9,822	33.3	120.4
		29	7,500	7,029	25.2	77.6	9,135	8,230	26.9	86.2	10,961	9,687	33.1	119.1	12,019	10,373	36.3	139.0
		30	7,841	7,465	27.2	87.7	9,550	8,739	29.2	97.6	11,460	10,287	35.8	136.0	12,565	11,015	39.3	159.3
		24	4,589	3,817	11.3	26.0	5,507	4,488	12.2	28.5	6,621	5,313	14.9	37.0	7,277	5,675	16.3	41.9
		25	5,201	4,491	12.9	30.8	6,241	5,280	13.9	33.8	7,504	6,251	17.0	44.3	8,247	6,676	18.7	50.4
		26	5,691	5,052	14.6	35.9	6,829	5,940	15.6	39.5	8,211	7,032	19.1	52.1	9,024	7,510	21.0	59.5
	8	27	6,119	5,614	16.2	41.3	7,343	6,600	17.4	45.5	8,829	7,814	21.3	60.5	9,703	8,345	23.4	69.4
		28	6,425	6,007	17.8	47.1	7,710	7,062	19.1	52.0	9,270	8,361	23.4	69.6	10,188	8,929	25.7	80.1
		29	6,731	6,344	19.4	53.1	8,077	7,458	20.8	58.8	9,711	8,830	25.5	79.3	10,673	9,430	28.0	91.6
		30	7,037	6,737	21.0	59.5	8,444	7,920	22.6	66.1	10,153	9,377	27.6	89.6	11,158	10,014	30.4	103.9
		24	3,540	2,992	7.1	14.9	4,261	3,559	7.8	16.4	6,425	5,262	9.4	20.8	5,573	4,488	10.3	23.0
		25	4,012	3,520	8.1	17.4	4,830	4,188	8.9	19.3	7,281	6,190	10.8	24.5	6,316	5,280	11.7	27.2
9	26	4,390	3,960	9.2	20.1	5,284	4,711	10.0	22.2	7,967	6,964	12.1	28.4	6,910	5,940	13.2	31.6	
	27	4,720	4,400	10.2	22.8	5,682	5,235	11.1	25.3	8,566	7,738	13.5	32.5	7,430	6,600	14.7	36.3	
	28	4,956	4,708	11.2	25.7	5,966	5,601	12.2	28.5	8,995	8,280	14.8	36.8	7,802	7,062	16.1	41.2	
	29	5,192	4,972	12.2	28.6	6,250	5,915	13.3	31.9	9,423	8,744	16.2	41.3	8,173	7,458	17.6	46.4	
	30	5,428	5,280	13.2	31.7	6,534	6,281	14.4	35.4	9,851	9,286	17.5	46.1	8,545	7,920	19.1	51.9	

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

## 5. Capacity Tables

### 5.2 Heating Capacity

#### ◆ WF4A018CG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
2.0	0.1	40	1,088	1,026	967
		50	1,749	1,650	1,555
		60	2,314	2,183	2,056
4.0	10.0	40	1,371	1,294	1,219
		50	2,206	2,081	1,960
		60	2,917	2,752	2,593
5.7	20.1	40	1,470	1,387	1,306
		50	2,364	2,230	2,101
		60	3,127	2,950	2,779
9.0	39.8	40	1,536	1,449	1,365
		50	2,470	2,331	2,195
		60	3,268	3,083	2,904
12.0	57.7	40	1,580	1,490	1,404
		50	2,541	2,397	2,258
		60	3,362	3,171	2,987

#### ◆ WF4A027CG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
2.0	0.1	40	1,512	1,426	1,343
		50	2,431	2,294	2,161
		60	3,216	3,034	2,858
5.0	16.0	40	1,906	1,798	1,694
		50	3,065	2,892	2,724
		60	4,055	3,825	3,603
8.2	35.1	40	2,043	1,927	1,815
		50	3,286	3,100	2,920
		60	4,346	4,100	3,862
11.0	51.8	40	2,135	2,014	1,897
		50	3,433	3,239	3,051
		60	4,542	4,285	4,036
14.0	69.7	40	2,196	2,072	1,951
		50	3,532	3,332	3,139
		60	4,672	4,408	4,152

#### ◆ WF4A032CG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
4.0	10.0	40	1,917	1,809	1,704
		50	3,084	2,909	2,740
		60	4,079	3,848	3,625
7.0	27.9	40	2,417	2,280	2,148
		50	3,888	3,668	3,455
		60	5,143	4,852	4,570
10.0	45.8	40	2,591	2,444	2,302
		50	4,167	3,931	3,703
		60	5,512	5,200	4,898
13.0	63.7	40	2,707	2,554	2,406
		50	4,355	4,108	3,870
		60	5,760	5,434	5,119
16.0	81.6	40	2,785	2,627	2,475
		50	4,480	4,226	3,981
		60	5,925	5,590	5,266

## 5. Capacity Tables

### ◆ WF4A041CG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
7.0	14.7	40	2,691	2,539	2,392
		50	4,329	4,084	3,847
		60	5,726	5,402	5,089
10.0	26.0	40	3,393	3,201	3,015
		50	5,458	5,149	4,850
		60	7,220	6,811	6,416
13.5	43.7	40	3,637	3,431	3,232
		50	5,850	5,519	5,199
		60	7,738	7,300	6,877
16.0	52.1	40	3,801	3,585	3,377
		50	6,113	5,767	5,433
		60	8,086	7,629	7,186
19.0	64.8	40	3,910	3,688	3,474
		50	6,289	5,933	5,589
		60	8,318	7,848	7,392

### ◆ WF4A060CG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
13.0	20.6	40	4,240	4,000	3,768
		50	6,820	6,434	6,060
		60	9,021	8,510	8,016
16.0	27.3	40	5,345	5,043	4,750
		50	8,598	8,112	7,641
		60	11,373	10,730	10,107
19.0	38.2	40	5,729	5,405	5,092
		50	9,216	8,694	8,190
		60	12,190	11,500	10,833
21.0	45.1	40	5,987	5,648	5,321
		50	9,630	9,085	8,558
		60	12,739	12,018	11,320
24.0	58.9	40	6,159	5,810	5,473
		50	9,907	9,346	8,804
		60	13,104	12,363	11,645

### ◆ WF4A072CG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
15.0	24.9	40	4,608	4,348	4,095
		50	7,413	6,993	6,587
		60	9,805	9,250	8,714
18.0	32.5	40	5,810	5,481	5,163
		50	9,346	8,817	8,305
		60	12,362	11,663	10,986
21.0	45.9	40	6,228	5,875	5,534
		50	10,017	9,450	8,902
		60	13,250	12,500	11,775
24.0	59.1	40	6,508	6,139	5,783
		50	10,468	9,875	9,302
		60	13,846	13,063	12,305
27.0	73.5	40	6,695	6,316	5,949
		50	10,768	10,159	9,570
		60	14,244	13,438	12,658

## 5. Capacity Tables

### ◆ WF4A090CG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
22.0	45.8	40	5,530	5,217	4,914
		50	8,895	8,392	7,905
		60	11,766	11,100	10,456
25.0	56.4	40	6,972	6,578	6,196
		50	11,215	10,580	9,967
		60	14,835	13,995	13,183
28.0	78.3	40	7,473	7,050	6,641
		50	12,020	11,340	10,682
		60	15,900	15,000	14,130
31.0	93.3	40	7,809	7,367	6,940
		50	12,561	11,850	11,163
		60	16,616	15,675	14,766
34.0	110.1	40	8,033	7,579	7,139
		50	12,922	12,191	11,483
		60	17,093	16,125	15,190

### ◆ WF4A105CG0A

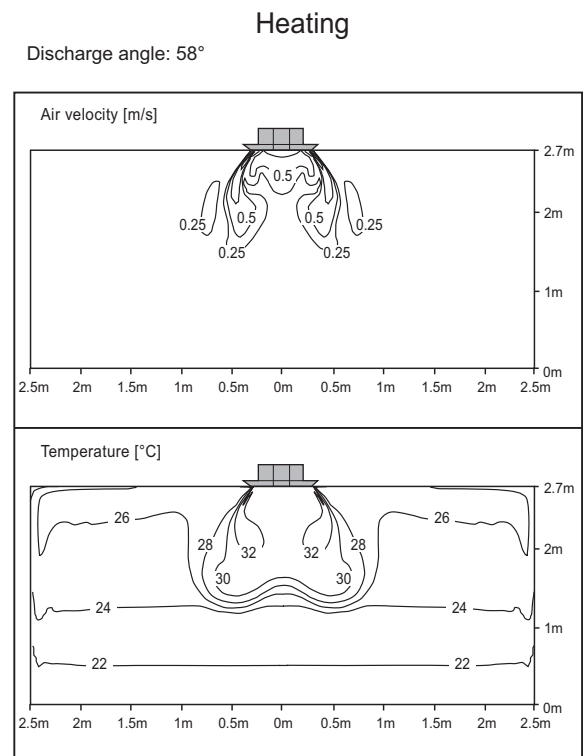
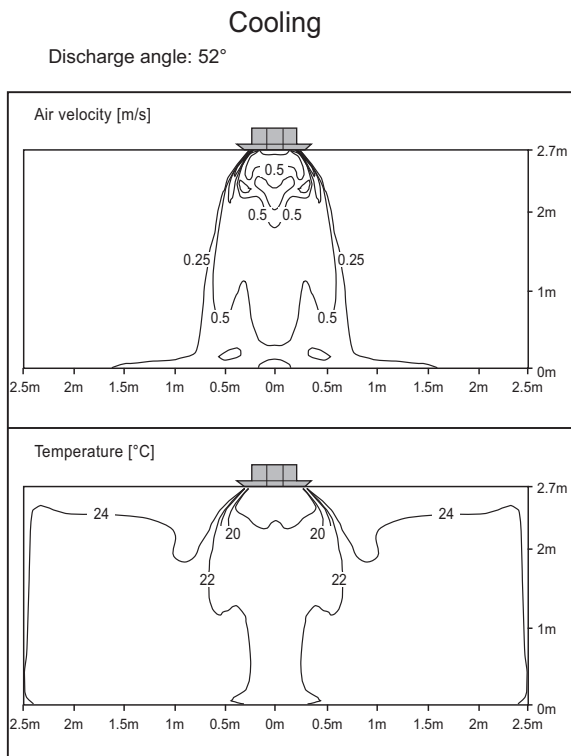
Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
27.0	64.4	40	6,636	6,260	5,897
		50	10,674	10,070	9,486
		60	14,119	13,320	12,547
30.0	78.2	40	8,367	7,893	7,435
		50	13,458	12,696	11,960
		60	17,802	16,794	15,820
33.0	111.4	40	8,968	8,460	7,969
		50	14,424	13,608	12,819
		60	19,080	18,000	16,956
36.0	123.8	40	9,371	8,841	8,328
		50	15,074	14,220	13,396
		60	19,939	18,810	17,719
39.0	144.1	40	9,640	9,095	8,567
		50	15,506	14,629	13,780
		60	20,511	19,350	18,228

### ◆ WF4A130CG0A

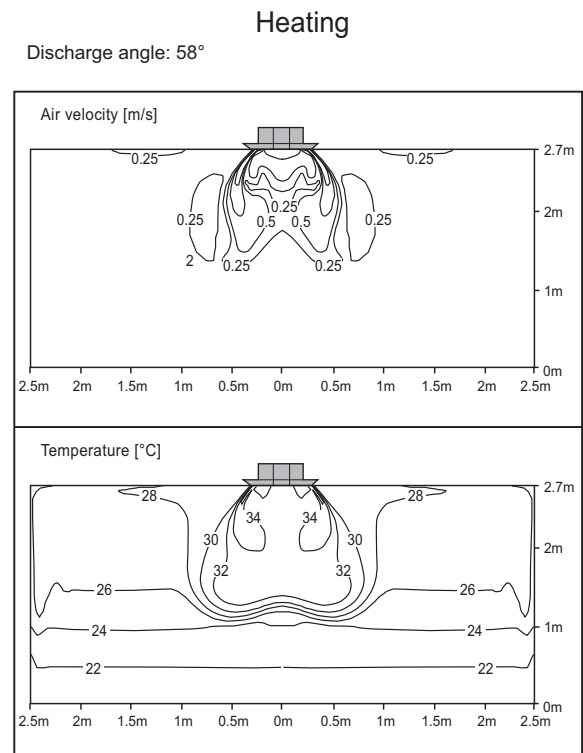
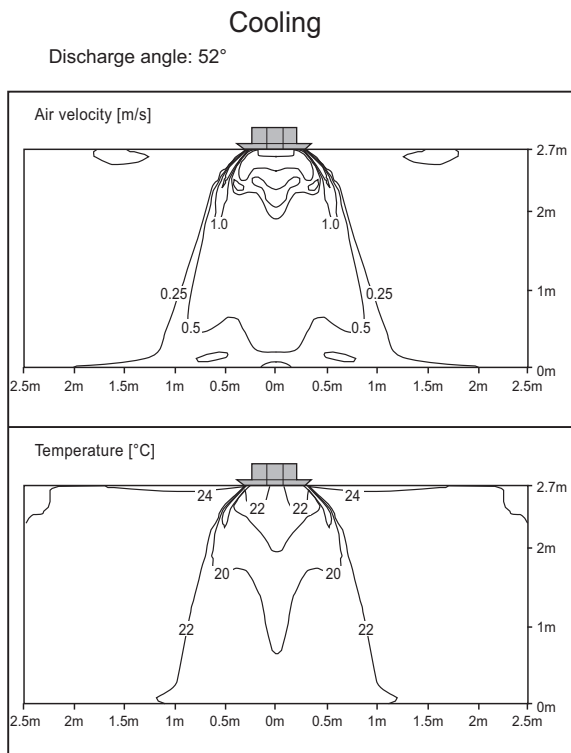
Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
32.0	113.0	40	8,479	7,999	7,535
		50	13,639	12,867	12,121
		60	18,041	17,020	16,033
35.0	131.0	40	10,691	10,086	9,501
		50	17,196	16,223	15,282
		60	22,747	21,459	20,214
37.8	150.0	40	11,459	10,810	10,183
		50	18,431	17,388	16,379
		60	24,380	23,000	21,666
41.0	171.0	40	11,974	11,296	10,641
		50	19,261	18,170	17,117
		60	25,477	24,035	22,641
44.0	194.0	40	12,318	11,621	10,947
		50	19,814	18,692	17,608
		60	26,209	24,725	23,291

# 6. Air Velocity and Temperature Distribution(Reference Data)

## ◆ WF4A018CG0A



## ◆ WF4A027CG0A

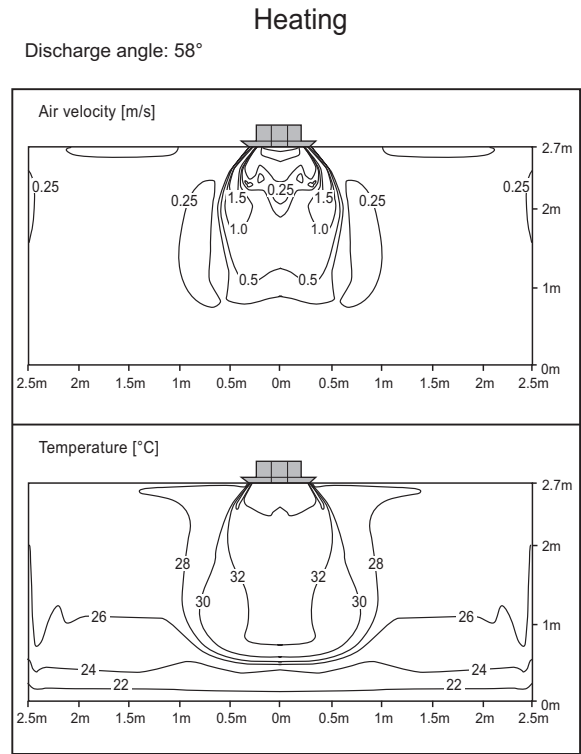
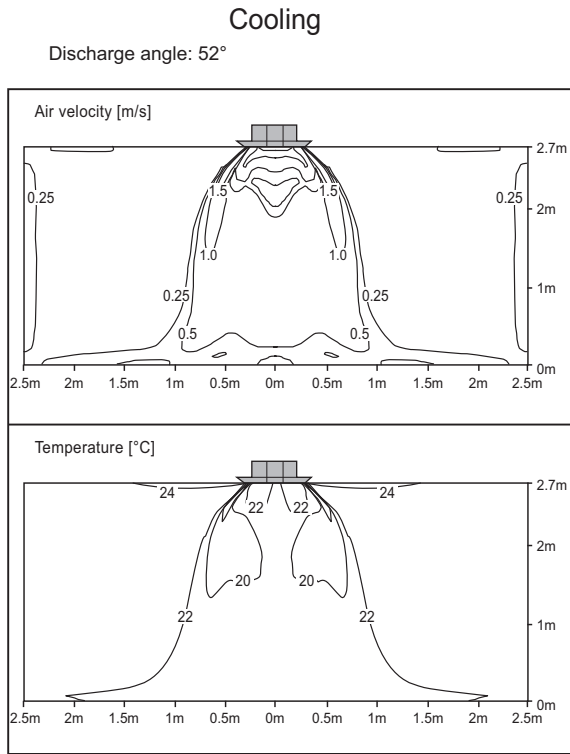


**Note**

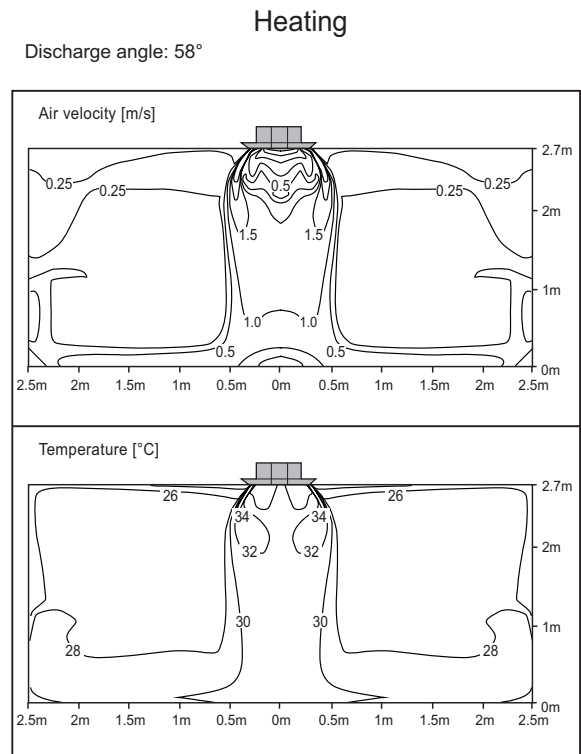
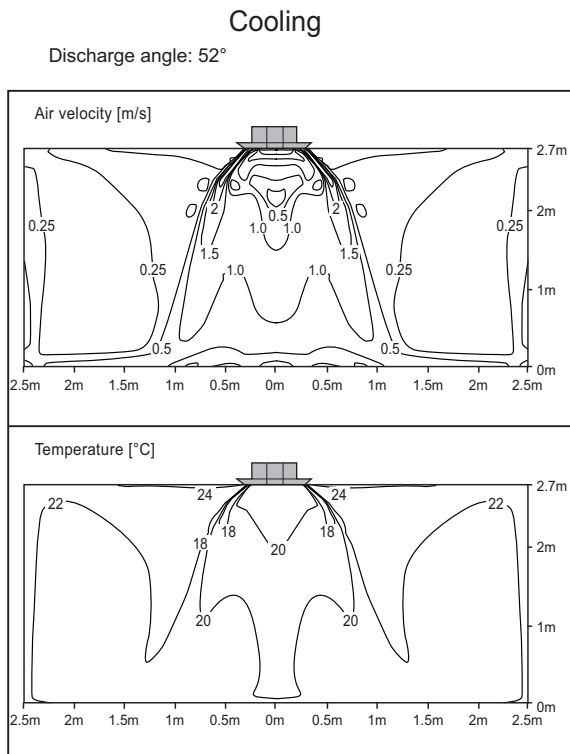
- These figures are accordance with normal certain condition and environment. (Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

# 6. Air Velocity and Temperature Distribution(Reference Data)

## ◆ WF4A032CG0A



## ◆ WF4A041CG0A

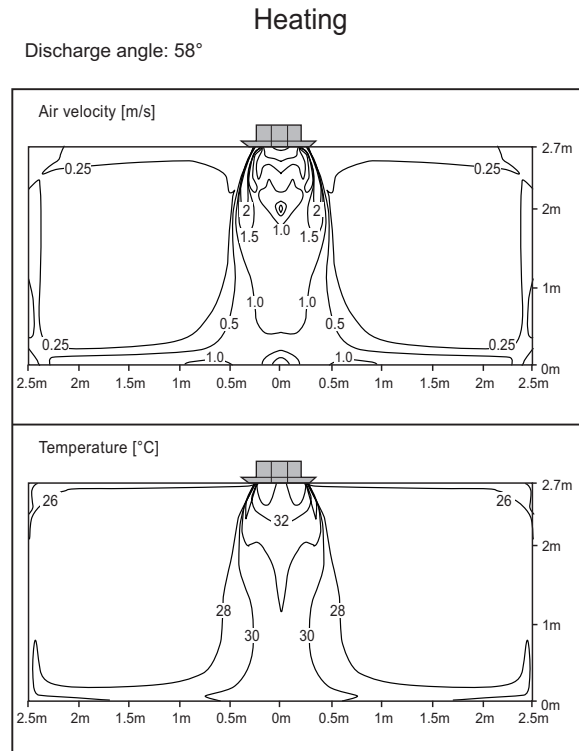
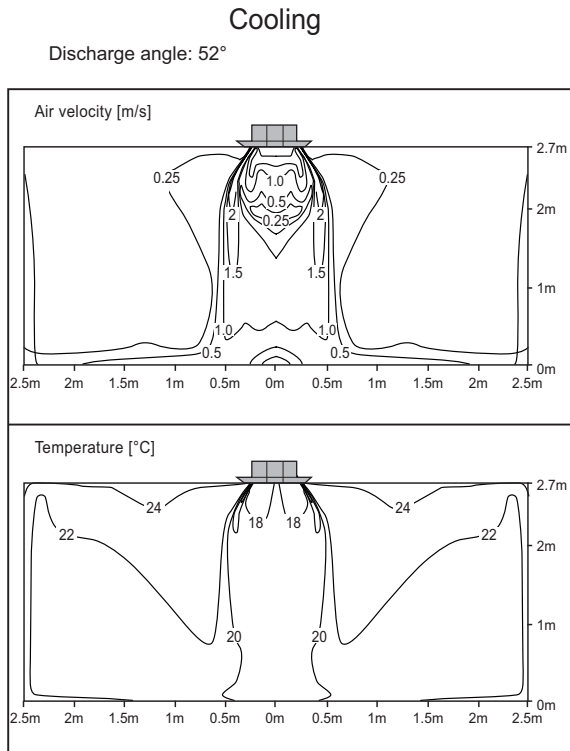


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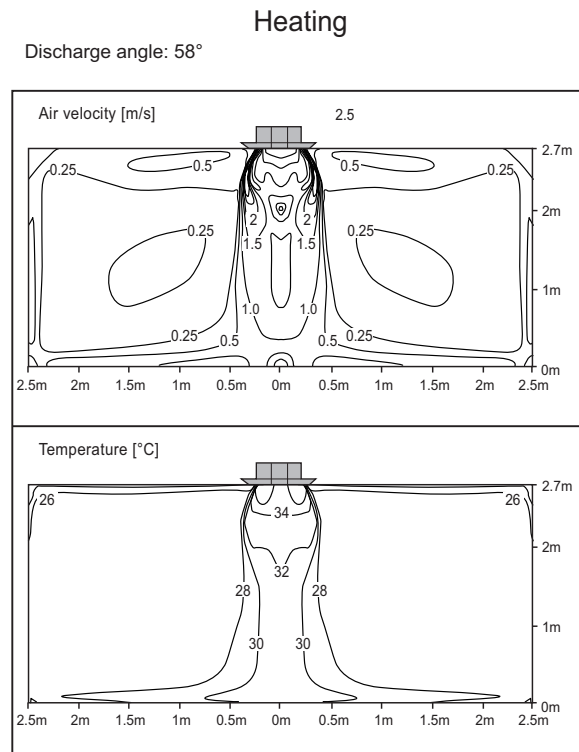
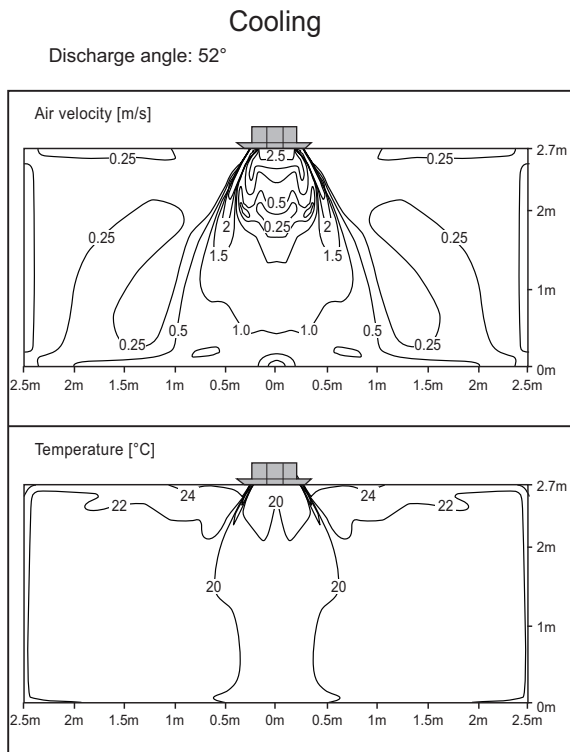
- These figures are accordance with normal certain condition and environment. (Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

# 6. Air Velocity and Temperature Distribution(Reference Data)

## ◆ WF4A060CG0A



## ◆ WF4A072CG0A

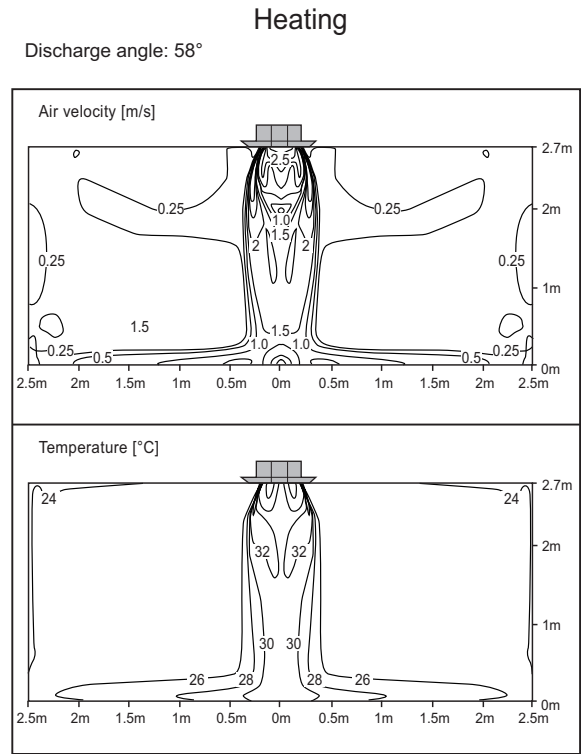
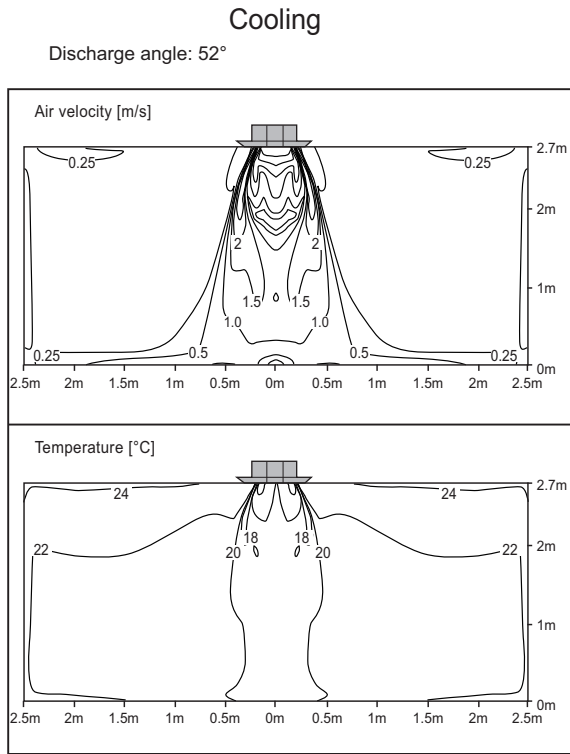


**Note**

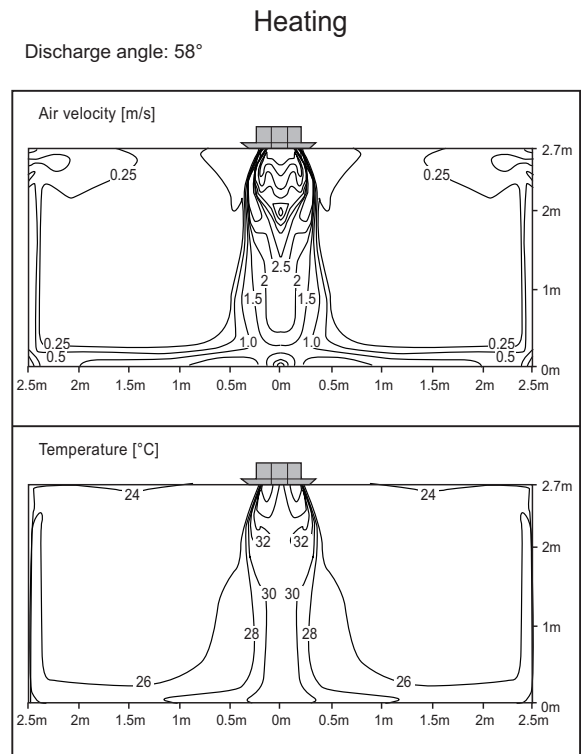
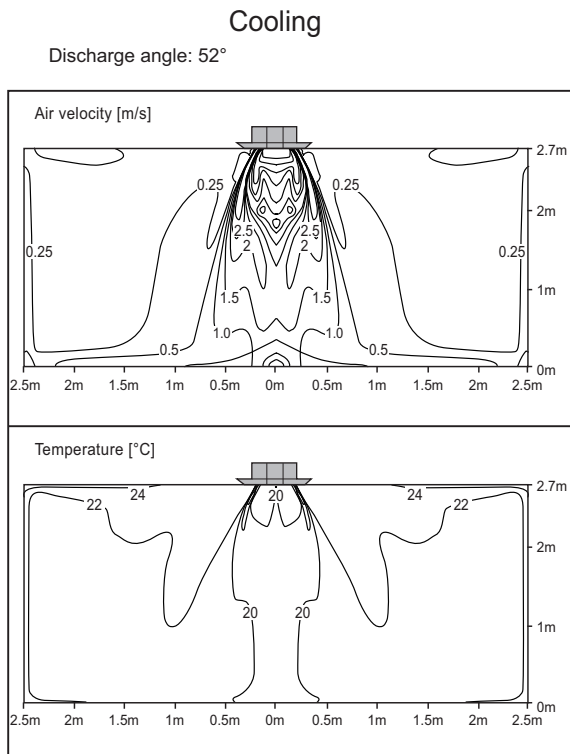
- These figures are accordance with normal certain condition and environment. (Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

# 6. Air Velocity and Temperature Distribution(Reference Data)

## ◆ WF4A090CG0A



## ◆ WF4A105CG0A



**Note**

- These figures are accordance with normal certain condition and environment. (Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

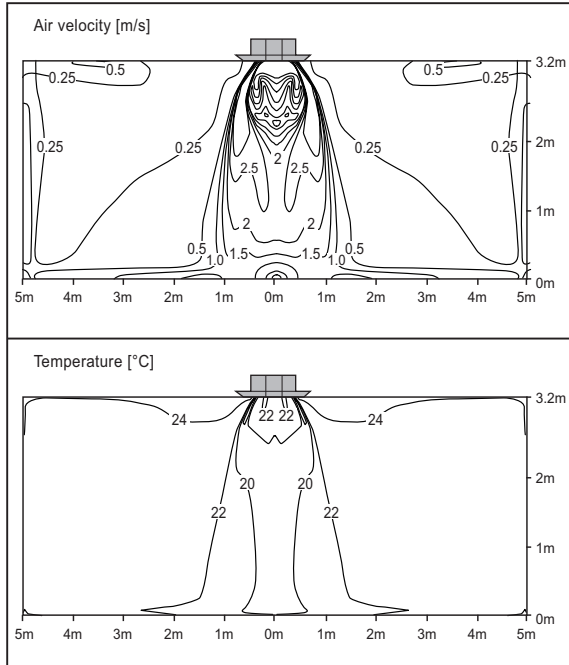


## 6. Air Velocity and Temperature Distribution(Reference Data)

◆ WF4A130CG0A

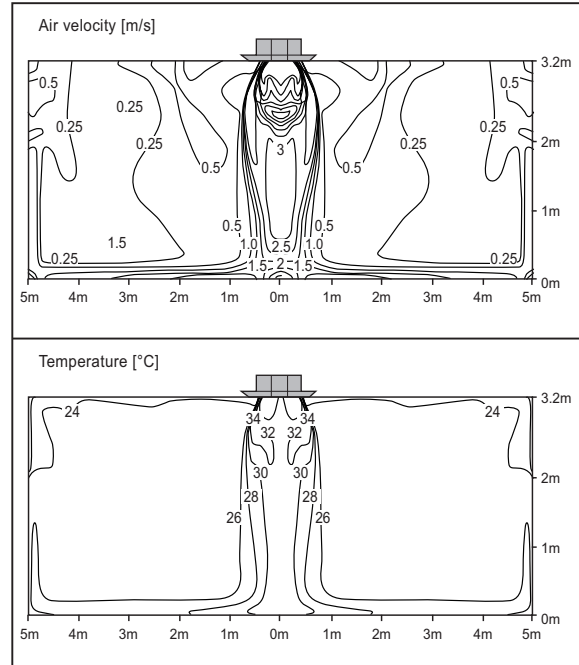
### Cooling

Discharge angle: 52°



### Heating

Discharge angle: 58°



**Note**

- These figures are accordance with normal certain condition and environment. (Airflow step is 'High', Air discharge angle is fixed as indicated angle.)
- Indoor airflow distribution under actual installation or operating conditions depends on ambient temperature, ceiling height, product installation direction / location, indoor / Heating load, and other obstacles, etc.

## 7. Electric Characteristics

Unit					Power Supply		IFM		PI	
Model	Type	Hz	Volts	Voltage Range	MCA	MFA	kW	FLA	cooling	Heating
WF4A018CG0A	TR	50	220-240	Max : 264 Min : 198	0.46	15	0.030	0.37	12	12
WF4A027CG0A	TR				0.48	15	0.030	0.38	15	15
WF4A032CG0A	TR				0.50	15	0.030	0.40	20	20
WF4A041CG0A	TQ				0.53	15	0.043	0.42	43	43
WF4A060CG0A	T.P				0.86	15	0.040	0.69	73	73
WF4A072CG0A	T.P				1.10	15	0.040	0.88	93	93
WF4A090CG0A	TN				1.11	15	0.156	0.89	103	103
WF4A105CG0A	TN				1.74	15	0.156	1.39	167	167
WF4A130CG0A	TM				2.35	15	0.136	1.88	246	246
WF4A018CG0A	TR	60	220	Max : 242 Min : 198	0.46	15	0.030	0.37	12	12
WF4A027CG0A	TR				0.48	15	0.030	0.38	15	15
WF4A032CG0A	TR				0.50	15	0.030	0.40	20	20
WF4A041CG0A	TQ				0.53	15	0.043	0.42	43	43
WF4A060CG0A	T.P				0.86	15	0.040	0.69	73	73
WF4A072CG0A	T.P				1.10	15	0.040	0.88	93	93
WF4A090CG0A	TN				1.11	15	0.156	0.89	103	103
WF4A105CG0A	TN				1.74	15	0.156	1.39	167	167
WF4A130CG0A	TM				2.35	15	0.136	1.88	246	246

### Symbols

**MCA** : Minimum Circuit Amperes (A)

**MFA** : Maximum Fuse Amperes (A)

**kW** : Fan Motor Rated Output (kW)

**FLA** : Full Load Amperes (A)

**IFM** : Indoor Fan Motor

**PI** : Maximum Power Input (W)

### Note

1. Voltage range

Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above the listed range limits.

2. Maximum allowable voltage unbalance between phases is 2%.

3. MCA/MFA

$$MCA = 1.25 \times FLA$$

$$MFA \leq 4 \times FLA$$

(Next lower standard fuse rating. Minimum 15A)

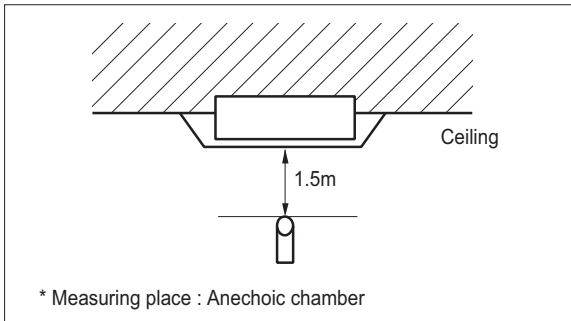
4. Select wire size based on the MCA

5. Instead of fuse, use Circuit Breaker.

# 8. Sound Levels

## 8.1 Sound Pressure Levels

### Overall

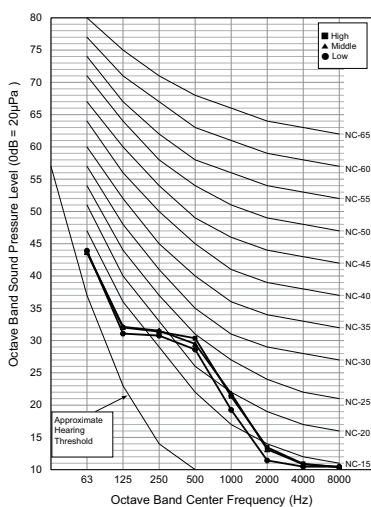


**Note**

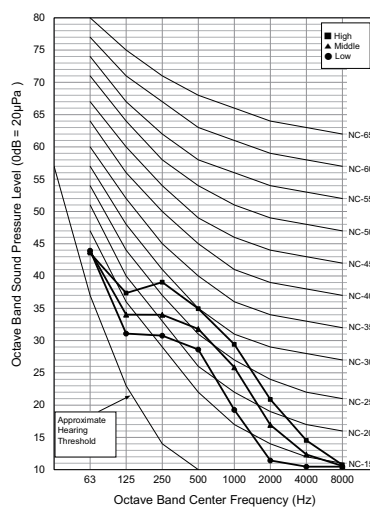
1. Sound measured at some distance away from the center of the unit.
2. Data is valid at free field condition.
3. Reference acoustic pressure 0dB = 20μPa.
4. Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
5. Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
6. Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
7. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.

Model	Sound Pressure Levels [dB(A)]		
	H	M	L
WF4A018CG0A	33.5	33.3	33.0
WF4A027CG0A	36.0	35.0	33.5
WF4A032CG0A	41.0	38.0	36.0
WF4A041CG0A	47.4	41.6	36.8
WF4A060CG0A	46.6	44.8	41.0
WF4A072CG0A	49.5	46.6	44.8
WF4A090CG0A	49.5	45.7	42.3
WF4A105CG0A	54.2	52.3	49.5
WF4A130CG0A	55.8	52.4	48.6

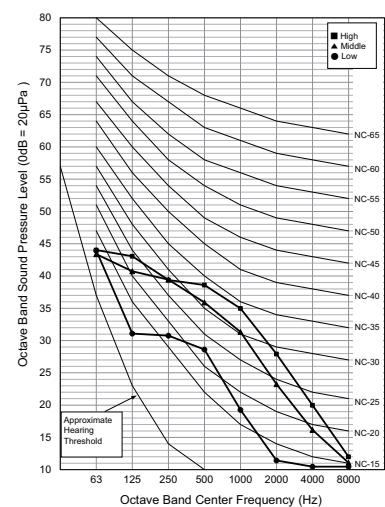
**WF4A018CG0A**



**WF4A027CG0A**

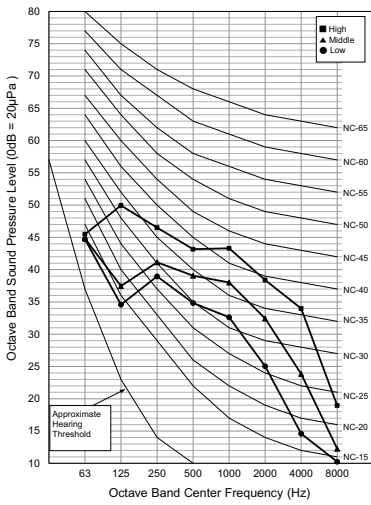


**WF4A032CG0A**

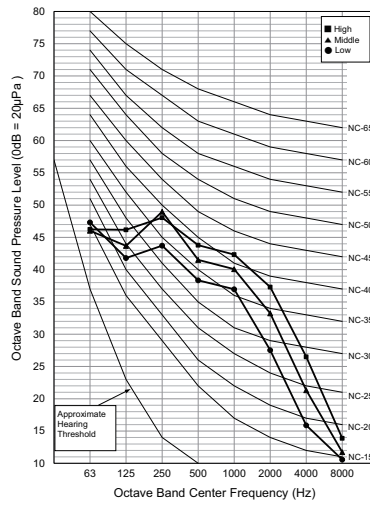


# 8. Sound Levels

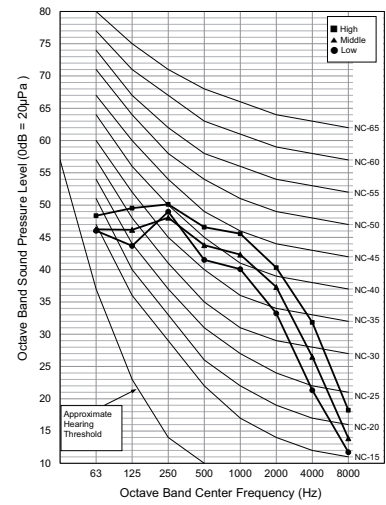
**WF4A041CG0A**



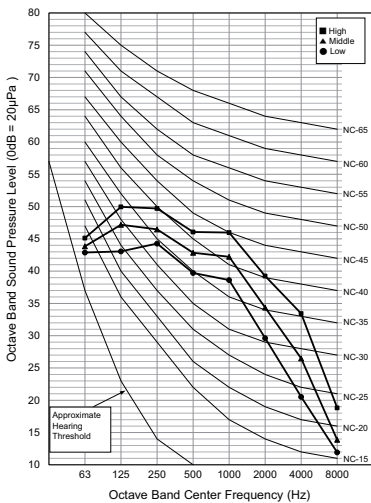
**WF4A060CG0A**



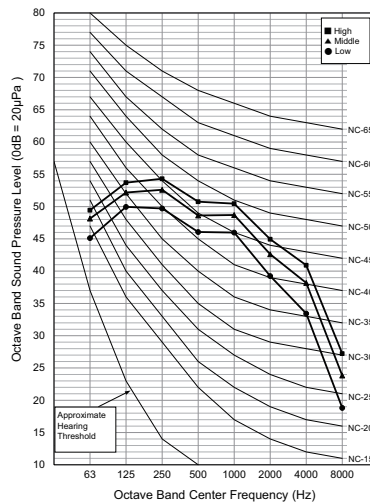
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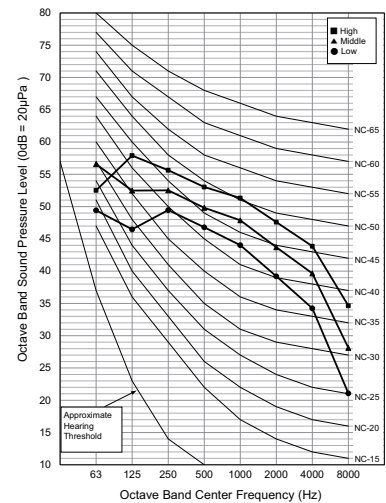
**WF4A090CG0A**



**WF4A105CG0A**



**WF4A130CG0A**



## 8. Sound Levels

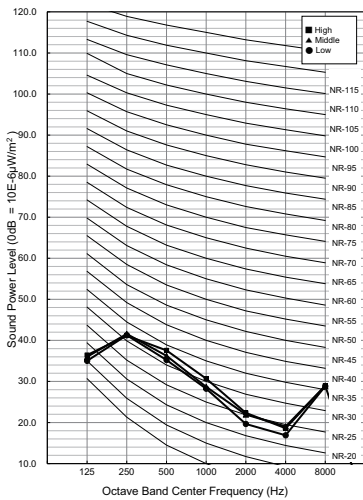
### 8.2 Sound Power Levels

**Note**

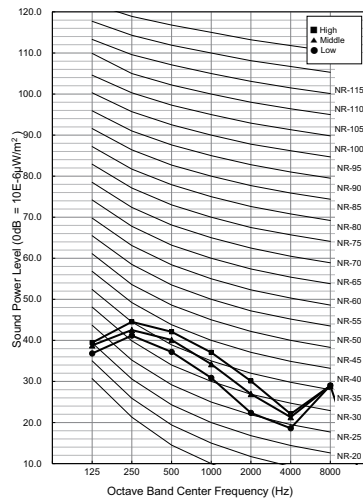
- Data is valid at diffuse field condition
- Data is valid at nominal operating condition
- Sound level can be increased in static pressure mode or used air guide.
- Sound power level is measured on the rated condition in the reverberation rooms.
- Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
- Reference acoustic intensity  $0\text{dB} = 10\text{E-}6\mu\text{W}/\text{m}^2$
- Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

Model	Sound Power Levels [dB(A)]		
	H	M	L
WF4A018CG0A	38.1	37.4	36.7
WF4A027CG0A	42.8	40.6	38.1
WF4A032CG0A	48.6	44.8	42.8
WF4A041CG0A	54.7	49.0	44.3
WF4A060CG0A	54.3	51.7	48.2
WF4A072CG0A	56.2	53.7	51.3
WF4A090CG0A	57.5	53.1	50.3
WF4A105CG0A	62.3	60.2	57.3
WF4A130CG0A	63.5	59.7	56.3

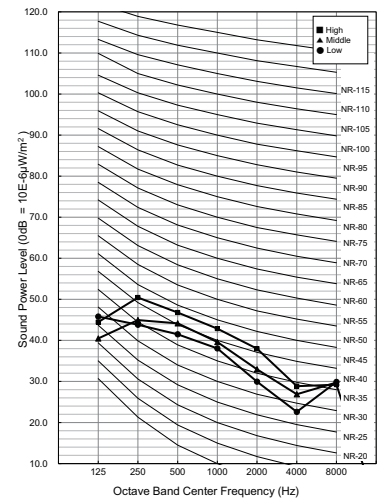
**WF4A018CG0A**



**WF4A027CG0A**

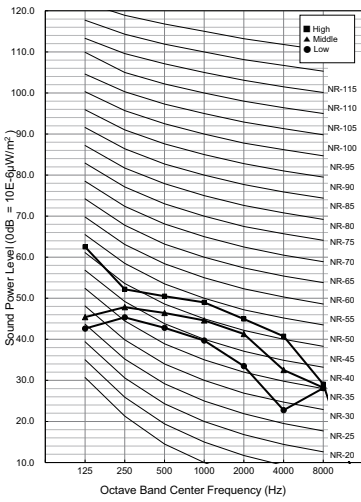


**WF4A032CG0A**

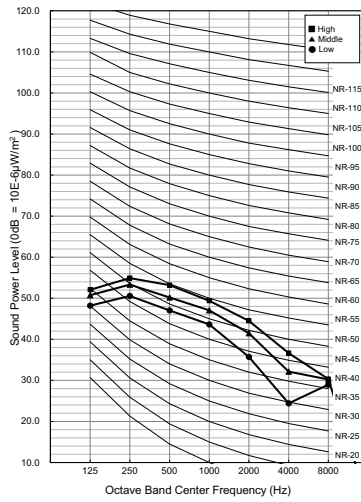


# 8. Sound Levels

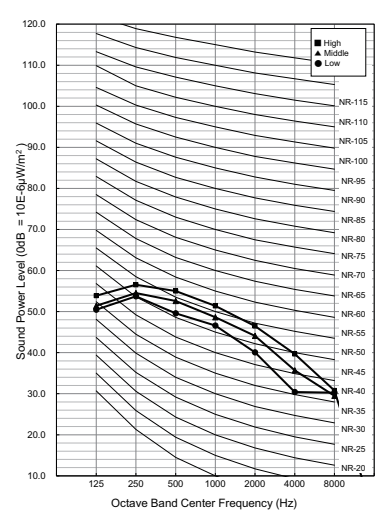
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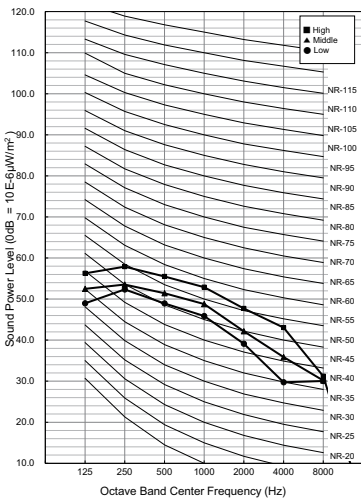
**WF4A060CG0A**



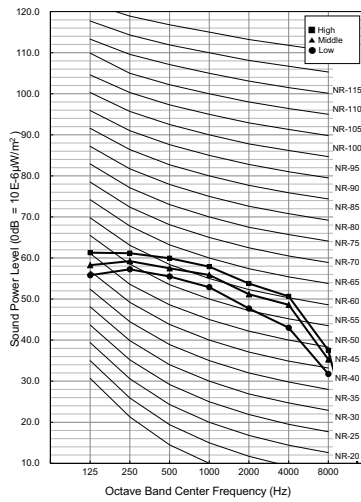
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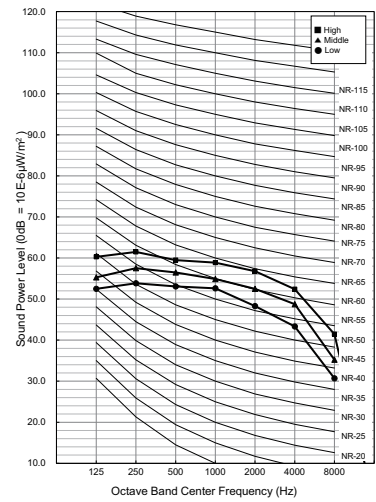
**WF4A090CG0A**



**WF4A105CG0A**



**WF4A130CG0A**

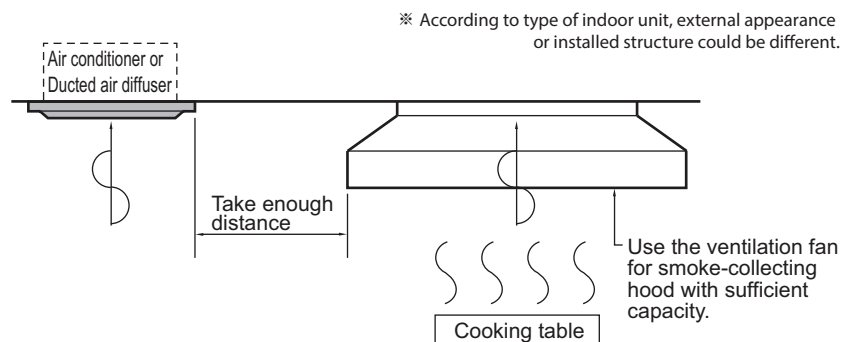


## 9. Installation

Read completely, then follow step by step.

### 9.1 Selection of the best location

- The place where room air circulation is good.
- Do not install the unit near the door.
- There should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- The place where the indoor unit can be connected with outdoor unit easily.
- The place where the unit is leveled.
- The place shall allow easy water drainage.
- The place where bear a load exceeding four times of the indoor unit weight.
- The mounting ceiling or wall should be solid enough to protect it from the vibration.
- The place where the unit is not affected by an electrical noise.
- The place where noise prevention is taken into consideration.
- The place where the maintenance space for product is sufficient. (The servicing inspection hole of the ceiling should be larger than the indoor unit.)
- The selection of the servicing inspection hole should be approved by the customer.
- There should not be any heat source or steam near the unit. Avoid the following installation location.
  1. Such places as restaurants and kitchen where considerable amount of oil steam and flour is generated. These may cause heat exchange efficiency reduction, or water drops, drain pump mal-function. In these cases, take the following actions;
    - Make sure that ventilation fan is enough to cover all noxious gases from this place.
    - Ensure enough distance from the cooking room to install the air conditioner in such a place where it may not suck oily steam.



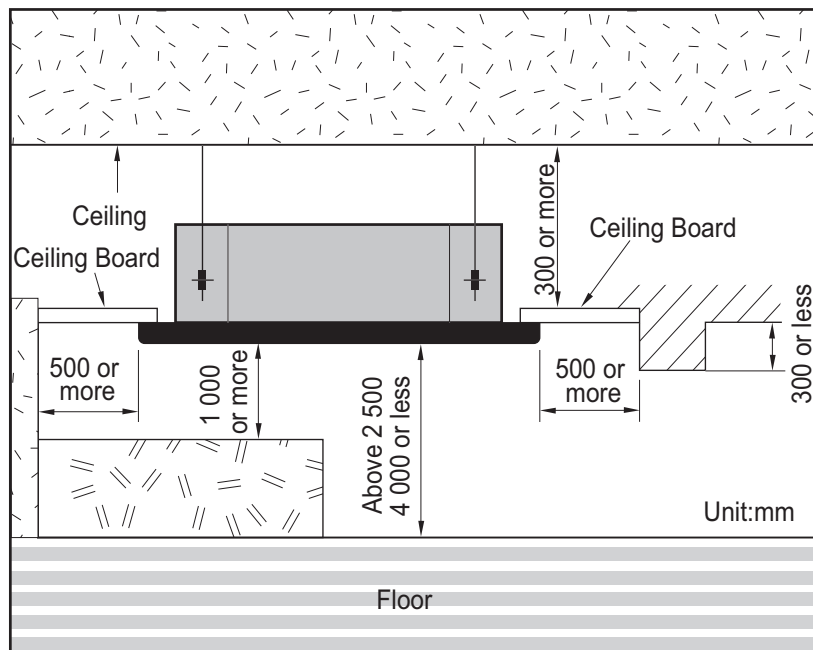
2. Avoid installing air conditioner in such places where cooking oil or iron powder is generated.
3. Avoid places where inflammable gas is generated.
4. Avoid place where noxious gas is generated.
5. Avoid places near high frequency generators.

### **CAUTION**

- If the temperature rise above 30°C or the humidity rise above RH 80%, the dew-protective kit should be equipped or use additional insulation to the indoor unit body.
  - "Dew Protective kit" is sold separately.
  - Use the glass wool material or polyethylene foam and it make sure to be thick of 10mm at least.

# 9. Installation

## ◆ TR / TQ / TP / TN / TM Chassis



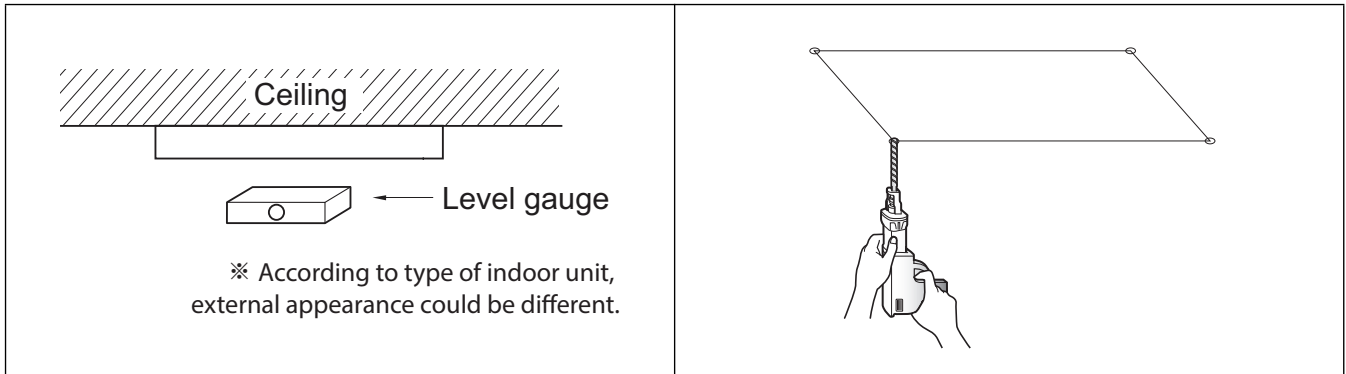


## 9. Installation

### 9.2 Ceiling opening dimensions and hanging bolt location

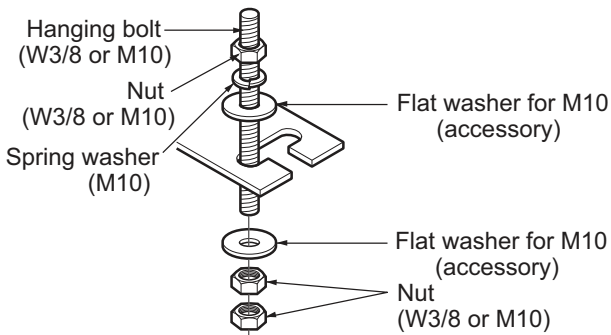
#### **⚠ CAUTION**

- During the installation, care should be taken not to damage electric wires.
- In case of using a drain pump, install the unit horizontally using a level gauge.



1. The dimensions of the paper model for installation are the same as those of the ceiling opening dimensions.
2. Select and mark the position for fixing bolts and piping hole.
3. Decide the position for fixing bolts slightly tilted to the drain direction after considering the direction of drain hose.
4. Drill the hole for anchor bolt on the wall or ceiling.
  - Insert the set anchor and washer onto the suspension bolts for locking the suspension bolts on the ceiling.
  - Mount the suspension bolts to the set anchor firmly.
  - Secure the installation plates onto the suspension bolts (adjust level roughly) using nuts, washers and spring washers.
5. In case of ducted type unit, apply a joint-canvas between the unit and duct to absorb unnecessary vibration.

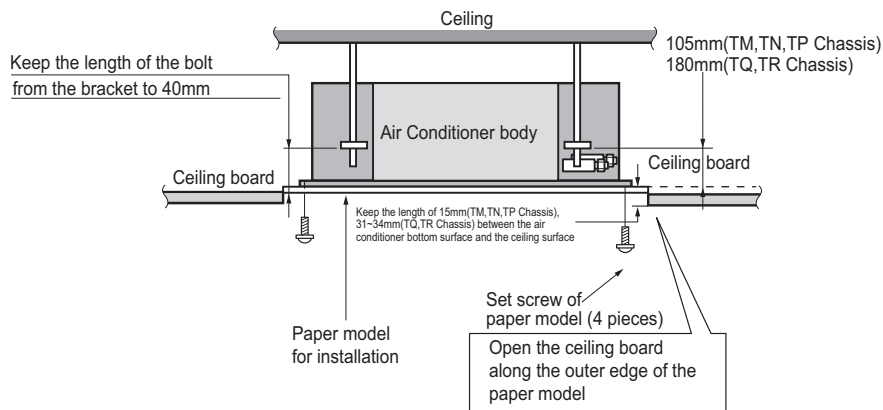
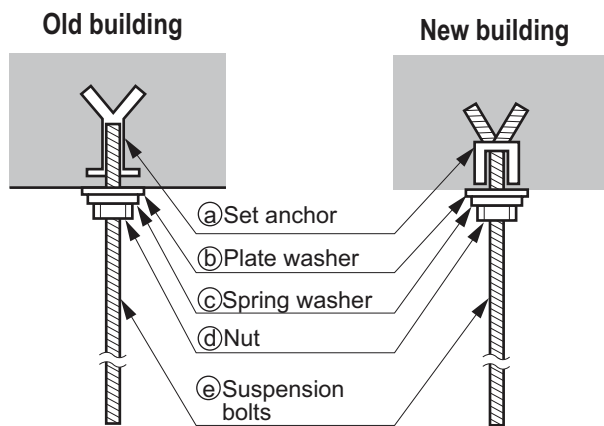
# 9. Installation



- The following parts are local purchasing.
  1. Hanging bolt - W 3/8 or M10
  2. Nut - W 3/8 or M10
  3. Spring washer - M10
  4. Plate washer - M10

**CAUTION**

- Tighten the nut and bolt to prevent the unit from falling.
- When mechanical connectors are reused indoors, sealing parts shall be renewed. (for R32)
- When flared joints are reused indoors, the flare part shall be re-fabricated. (for R32)



TQ/TR Chassis		TM/TN/TP Chassis
Panel Dimensions [Unit : mm]		
<b>700 x 700</b>	<b>620 x 620</b>	<b>950 x 950</b>
585-660(Ceiling opening)	600(Ceiling opening)	875(Ceiling opening)
517	517	787(Hanging bolt)
523	523	671
570	570	840 Unit size
319	319	840 Unit size
570	570	684(Hanging bolt)
585-660(Ceiling opening)	600(Ceiling opening)	875(Ceiling opening)
461	461	Unit:mm
Unit:mm	Unit:mm	

## 9. Installation

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### 9.3 Connecting Cables between Indoor Unit and Outdoor Unit

#### 9.3.1 General instructions

- All field supplied parts and materials, electric works must conform to local codes. Use copper wire only.
  - Follow the "**WIRING DIAGRAM**" attached to the unit body to wire the outdoor unit, indoor units and the remote controller.
  - All wiring must be performed by an authorized electrician.
  - A circuit breaker capable of shutting down the power supply to the entire system must be installed.
- 

#### CAUTION

After the confirmation of the above conditions, prepare the wiring as follows:

- Never fail to have separate power specially for the air conditioner.
  - Provide a circuit breaker switch between power source and the unit.
  - Confirm the Specification of power source.
  - Confirm that electrical capacity is sufficient.
  - Be sure that the starting voltage is maintained at more than 90 percent of the rated voltage marked on the name plate.
  - Confirm that the cable thickness is as specified in the power sources specification.  
(Particularly note the relation between cable length and thickness.)
  - Do not install the leakage breaker in a place which is wet or moist.  
Water or moist may cause short circuit.
  - The following troubles would be caused by voltage drop-down.
    - » Vibration of a magnetic switch, damage on the contact point there of, fuse breaking, disturbance to the normal function of a overload protection device.
    - » Proper starting power is not given to the compressor.
- 

#### 9.3.2 Wiring connection

- Connect the wires to the terminals on the control board individually according to the outdoor unit connection.
- Ensure that the color of the wires of outdoor unit and the terminal No. are the same as those of indoor unit respectively.
- In case of the system with multiple indoor units, mark each indoor unit as unit A, unit B, etc and be sure the terminal board wiring to the outdoor unit and indoor units are properly matched. If wiring and piping between the outdoor unit and an indoor unit are mismatched, the system may cause a malfunction.

#### 9.3.3 Clamping of cables

1. Arrange 2 power cables on the control panel.
2. First, fasten the steel clamp with a screw to the inner boss of control panel.
3. For connecting of communication (transmission) cable, put the cable(or thinner cable) on the clamp and tighten it with a plastic clamp to the other boss of the control panel. In case that communication (transmission) cable is not needed to connect, fix the other side of the clamp with a screw strongly.

## 9. Installation

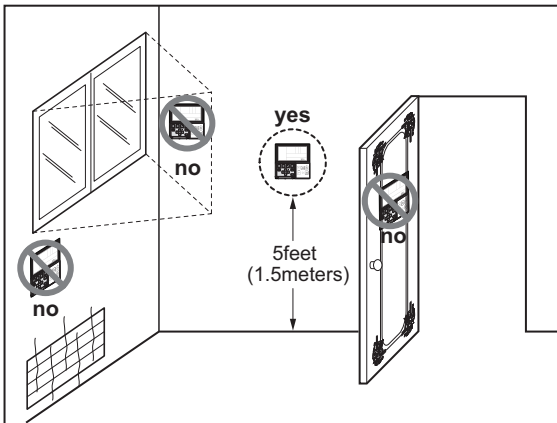
### ⚠ WARNING

- Make sure that the screws of the terminal are fixed tightly.
- The screw which fasten the wiring in the casing of electrical fittings are liable to come loose from vibrations to which the unit is subjected during the course of transportation. Check them and make sure that they are all tightly fastened. (If they are loose, it could give rise to burn-out of the wires.)
- Make sure to attach the sealing material or (field supplied) to hole of wiring to prevent the infiltration of foreign particle from outside. Otherwise a short-circuit may occur inside the electric parts box.
- When clamping the wires, be sure no pressure is applied to the wire connections by using the included clamping material to make appropriate clamps. Also, when wiring, make sure the cover on the electric parts box fits snugly by arranging the wires neatly and attaching the electric parts box cover firmly. When attaching the electric parts box cover, make sure no wires get caught in the edges. Pass wiring through the wiring through holes to prevent damage to them.
- Make sure the remote controller wiring, the wiring between the units, and other electrical wiring do not pass through the same locations outside of the unit, separating them properly, otherwise electrical noise (external static) could cause product malfunction.

### 9.3.4 Wired Remote Controller Installation (Optional)

Since the room temperature sensor is in the remote controller, the remote controller box should be installed in a place away from direct sunlight, high humidity and direct supply of cold air to maintain proper space temperature.

Install the remote controller about 5ft(1.5m) above the floor in an area with good air circulation at an average temperature.



#### • Do not install the remote controller where it can be affected by :

- Drafts, or dead spots behind doors and in corners.
- Hot or cold air from ducts.
- Radiant heat from sun or appliances.
- Concealed pipes and chimneys.
- Uncontrolled areas such as an outside wall behind the remote controller.
- This remote controller is equipped with a seven segment LED. display. For proper display of the remote controller LED's, the remote controller should be installed properly. (The standard height is 1.2~1.5 m from floor level.)

## 9. Installation

### 9.4 Installation of Decoration Panel

- The decoration panel has its installation direction.
- Before installing the decoration panel, always remove the paper template.

#### **!** CAUTION

- Install certainly the decoration panel. Cool air leakage causes sweating or falling of water-drops.

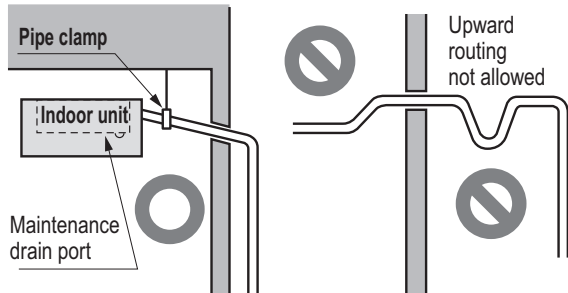


## 9. Installation

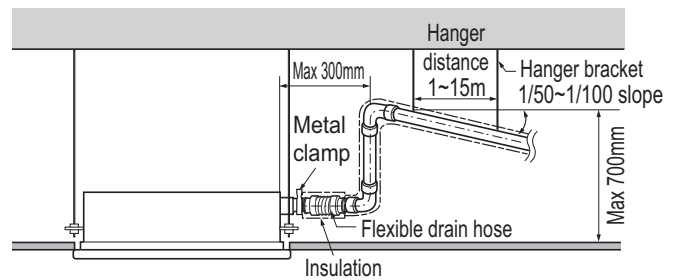
### 9.5 Indoor Unit Drain Piping

#### 9.5.1 Drain piping of indoor unit with drain pump

- Drain piping must have down-slope (1/50 to 1/100). Be sure not to provide up-and-down slope to prevent reversal flow.
- During drain piping connection, be careful not to exert force on the drain port on the indoor unit.
- The outside diameter of the drain connection on the indoor unit is 32 mm (1-1/4 inch).
  - Piping material: Use the Polyvinyl chloride pipe, 25 mm (1 inch) pipe fittings.

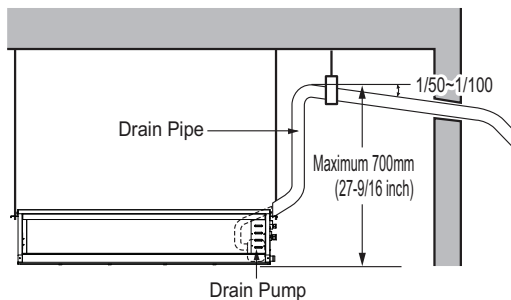


※ According to type of indoor unit, external appearance could be different.

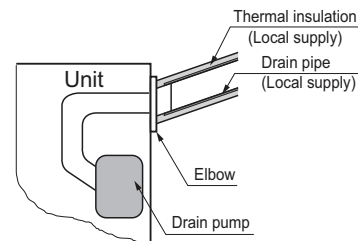


※ According to type of indoor unit, external appearance could be different.

- Possible drain head height is upto 700 mm (27-6/19 inch). So the drain head should be installed below 700 mm (27-6/19 inch).
- Be sure to install heat insulation on the drain piping.
  - Heat insulation material: Polyethylene foam with thickness more than 8 mm (5/16 inch).



※ According to type of indoor unit, external appearance could be different.

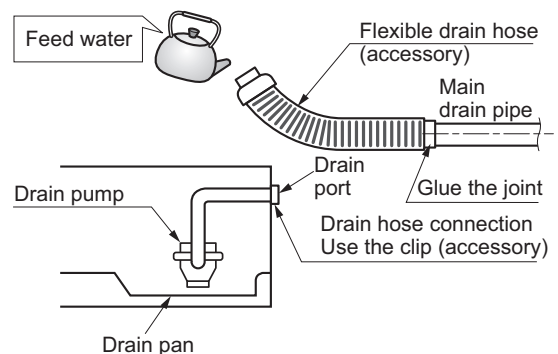


#### 9.5.2 Method of Drainage test

##### ◆ Drainage test of indoor unit with drain pump

Use the following procedure to test the drain pump operation.

1. Connect the main drain pipe to the exterior and leave it provisionally until the test comes to an end.
2. Feed water to the flexible drain hose and check the piping for leakage.
3. Be sure to check the drain pump for normal operating and noise when electrical wiring is complete.
4. When the test is complete, connect the flexible drain hose to the drain port on the indoor unit.



※ According to type of indoor unit, external appearance could be different.

## **Ceiling Concealed Duct (Low Static)**

- 1. List of functions**
- 2. Specifications**
- 3. Dimensions**
- 4. Wiring Diagrams**
- 5. Capacity Tables**
- 6. External Static Pressure(E.S.P) & Air Flow**
- 7. Electric Characteristics**
- 8. Sound Levels**
- 9. Installation**

# 1. List of Functions

## ◆ List of Functions

Category	Function	WFC A012RG0A, WFC A018RG0A, WFC A025RG0A, WFC A032RG0A, WFC A039RG0A, WFC A055RG0A, WFC A066RG0A
Air flow	Air supply outlet	1
	Airflow direction control(left & right)	-
	Airflow direction control(up & down)	-
	Auto swing(left & right)	-
	Auto swing(up & down)	-
	Airflow steps(fan/cool/heat)	3 / 3 / 3
	Chaos swing	-
	Chaos wind(auto wind)	-
	Jet cool(Power wind)	-
	Swirl wind	-
Air purifying	Deodorizing filter	X
	Plasma air purifier	X
	Prefilter(washable / anti-fungus)	O
Installation	Drain pump	O
	E.S.P. control*	O
	Electric heater(operation)	X
	High ceiling operation*	-
Reliability	Hot start	X
	Self diagnosis	O
	Soft dry operation	X
Convenience	Auto changeover	X
	Auto cleaning	X
	Auto operation(artificial intelligence)	X
	Auto restart operation	O
	Child lock*	O
	Forced operation	X
	Group control*	O
	Sleep mode	O
	Timer(on/off)	O
	Timer(weekly)*	O
	Two thermistor control*	O
External On/Off	X	
Ohters	Cold and Hot Water Control	O
	Freeze Protection Control	O

### Note

1. O : Applied, X : Not Applied

Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.

Accessory line-ups varies by region, so check your local catalogue or local sales material.

2. Some functions can be limited by remote controller.

3. In case of ducted type indoor units using the wireless remote controller, it needs to connect the wired remote controller for received the signal of that.

4. In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.

5. \* : These functions need to connect the wired remote controller.



# 1. List of Functions

## ◆ Accessory Compatibility List

Category		Product	Remark	Compatibility WFCA---RG0A
Wireless Remote Controller		PQWRH(C)Q0FDB	-	O
Wired Remote Controller	Simple	PQRCVCL0Q(W)	Simple	O
		PQRCHCA0Q(W)	for Hotel	O
		PREMTB001	Standard (White)	O
	Standard	PREMTBB01	Standard (Black)	O
		PREMTB100	New Standard (White)	O
		PREMTBB10	New Standard (Black)	O
Premium	PREMTA000(A/B)	Premium	O*	
Dry contact	Simple Contact	PDRYCB000	Simple Dry Contact	O
	Communication type	PDRYCB400	Points Dry Contact (For Setback)	O
		PDRYCB300	-	O
		PDRYCB500	Dry Contact For Modbus	O
Gateway	IDU PI485	PHNFP14A0	Connected with the Indoor Units	-
		PSNFP14A0	Connected with the Indoor Units	-
ETC	Remote temperature sensor	PQRSTA0	-	O
	Zone controller	ABZCA	-	-
	CO2 Sensor	PES-C0RV0	-	-
	Group control wire	PZCWRCG3	0.25m	O
	2-Remo Control Wire	PZCWRC2	0.25m	O
	Extension Wire	PZCWRC1	10m	O
	Wi-Fi Controller*	PWFMD200	-	O
	Independent Power Module	PRIP0	-	O

### Note

1. O: Possible, X: Impossible, - : Not applicable, Embedded : Included with product.
2. \* : Some advanced functions controlled by individual controller cannot be operated.
3. \*\* : It could not be operated some functions.
4. If you need more detail, please refer to the **BECON** PDB or the manual of product. (<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 2. Specifications

Type		Ceiling Concealed Duct - Low Static		
Model Name		Unit	WFC A012RG0A	WFC A018RG0A
Power Supply		V, $\Phi$ , Hz	220-230-240, 1, 50	220-230-240, 1, 50
Running Current by Voltage		A	0.29-0.29-.029	0.31-0.31-0.31
Cooling Capacity	Condition A	kW	1.3	1.8
		kcal/h	1,119	1,549
		Btu/h	4,439	6,146
Heating Capacity	Condition A	kW	2.0	2.8
		kcal/h	1,721	2,409
		Btu/h	6,829	9,560
Power Input	Rated	W	8	17
Running Current	Rated	A	0.29	0.31
Water Flow Rate	Condition A	ℓ/min	4.0	5.6
Head Loss	Condition A	kPa	1.2	3.3
Fan	Type	-	Sirocco Fan	Sirocco Fan
	Air Flow Rate(H/M/L)	m <sup>3</sup> /min	5.5/5/4.5	8/7/6
	External Static Pressure_Standard mode	mmAq	0	0
	External Static Pressure_High mode	mmAq	0	0
Fan Motor	Type	-	BLDC	BLDC
	Drive	-	CW	CW
	Output	W x No.	19x1	19x1
	FLA(Full Load Ampere)	A	0.29	0.31
Dimensions	Net(W x H x D)	mm	700 x 190 x 700	700 x 190 x 700
	Shipping(W x H x D)	mm	842 x 235 x 766	842 x 235 x 766
Weight	Net	kg	17.5	17.5
	Shipping	kg	21.9	21.9
Air Filter	Type	-	Long life	Long life
Temperature Control		-	Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing / Thermal Insulation Material		-	Foamed polystyrene	Foamed polystyrene
Protection Device		-	Fuse	Fuse
Water Connecting Pipes	Inlet	-	PF 3/4"	PF 3/4"
	Outlet	-	PF 3/4"	PF 3/4"
Sound Pressure Level	Cooling(H/M/L)	dB(A)	29.0/28.5/28.0	31.0/30.0/29.0
	Heating(H/M/L)	dB(A)	29.0/28.5/28.0	31.0/30.0/29.0
Sound Power Level	Cooling(H/M/L)	dB(A)	37.2/35.1/33.7	44.7/41.7/38.3
	Heating(H/M/L)	dB(A)	37.2/35.1/33.7	44.7/41.7/38.3
Connecting Cable	Communication Cable(VCTF-SB)	mm <sup>2</sup> ×cores	1.0 ~ 1.5	1.0 ~ 1.5

### Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
- Performances are based on the following conditions :
  - Condition A
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19°CWB
    - Heating : Inlet/Outlet Water Temp. 45°C / 40°C, Indoor Air Temp. 20°CDB / 15°CWB
  - Condition B
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19.5°CWB
    - Heating : Inlet Water Temp. 50°C, Indoor Air Temp. 20°CDB / 15°CWB

## 2. Specifications

Type		Ceiling Concealed Duct - Low Static		
Model Name		Unit	WFC A025RG0A	WFC A032RG0A
Power Supply		V, $\Phi$ , Hz	220-230-240, 1, 50	220-230-240, 1, 50
Running Current by Voltage		A	0.32-0.32-0.32	0.35-0.35-0.35
Cooling Capacity	Condition A	kW	2.5	3.2
		kcal/h	2,151	2,753
		Btu/h	8,536	10,926
Heating Capacity	Condition A	kW	3.2	3.8
		kcal/h	2,753	3,270
		Btu/h	10,926	12,975
Power Input	Rated	W	20	27
Running Current	Rated	A	0.32	0.35
Water Flow Rate	Condition A	ℓ/min	7.4	9.3
Head Loss	Condition A	kPa	7.6	11.8
Fan	Type	-	Sirocco Fan	Sirocco Fan
	Air Flow Rate(H/M/L)	m <sup>3</sup> /min	8/7.5/7	9.8/8.8/8
	External Static Pressure_Standard mode	mmAq	0	0
	External Static Pressure_High mode	mmAq	0	0
Fan Motor	Type	-	BLDC	BLDC
	Drive	-	CW	CW
	Output	W x No.	19x1 + 5x1	19x1 + 5x1
	FLA(Full Load Ampere)	A	0.32	0.35
Dimensions	Net(W x H x D)	mm	900 x 190 x 700	900 x 190 x 700
	Shipping(W x H x D)	mm	1,042 x 235 x 766	1,042 x 235 x 766
Weight	Net	kg	22.0	22.0
	Shipping	kg	26.9	26.9
Air Filter	Type	-	Long life	Long life
Temperature Control		-	Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing / Thermal Insulation Material		-	Foamed polystyrene	Foamed polystyrene
Protection Device		-	Fuse	Fuse
Water Connecting Pipes	Inlet	-	PF 3/4"	PF 3/4"
	Outlet	-	PF 3/4"	PF 3/4"
Sound Pressure Level	Cooling(H/M/L)	dB(A)	29.0/28.5/28.0	30.0/29.5/29.0
	Heating(H/M/L)	dB(A)	29.0/28.5/28.0	30.0/29.5/29.0
Sound Power Level	Cooling(H/M/L)	dB(A)	39.5/38.9/37.1	44.7/41.7/39.2
	Heating(H/M/L)	dB(A)	39.5/38.9/37.1	44.7/41.7/39.2
Connecting Cable	Communication Cable(VCTF-SB)	mm <sup>2</sup> xcores	1.0 ~ 1.5	1.0 ~ 1.5

### Note

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- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
- Performances are based on the following conditions :
  - Condition A
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19°CWB
    - Heating : Inlet/Outlet Water Temp. 45°C / 40°C, Indoor Air Temp. 20°CDB / 15°CWB
  - Condition B
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19.5°CWB
    - Heating : Inlet Water Temp. 50°C, Indoor Air Temp. 20°CDB / 15°CWB

## 2. Specifications

Type		Ceiling Concealed Duct - Low Static		
Model Name		Unit	WFC A039RG0A	WFC A055RG0A
Power Supply		V, $\Phi$ , Hz	220-230-240, 1, 50	220-230-240, 1, 50
Running Current by Voltage		A	0.26-0.37-0.37	0.36-0.44-0.44
Cooling Capacity	Condition A	kW	3.9	5
		kcal/h	3,351	4,310
		Btu/h	13,316	17,072
Heating Capacity	Condition A	kW	4.2	5.3
		kcal/h	3,614	4,560
		Btu/h	14,341	18,096
Power Input	Rated	W	29	44
Running Current	Rated	A	0.37	0.44
Water Flow Rate	Condition A	ℓ/min	13.3	17
Head Loss	Condition A	kPa	21.7	39
Fan	Type	-	Sirocco Fan	Sirocco Fan
	Air Flow Rate(H/M/L)	m <sup>3</sup> /min	10.7/9.3/7.2	14.4/10.7/9.3
	External Static Pressure_Standard mode	mmAq	0	0
	External Static Pressure_High mode	mmAq	0	0
Fan Motor	Type	-	BLDC	BLDC
	Drive	-	CW	CW
	Output	W x No.	19x2	19x2
	FLA(Full Load Ampere)	A	0.37	0.44
Dimensions	Net(W x H x D)	mm	1100 x 190 x 700	1100 x 190 x 700
	Shipping(W x H x D)	mm	1242 x 235 x 766	1242 x 235 x 766
Weight	Net	kg	26.2	26.2
	Shipping	kg	30.7	30.7
Air Filter	Type	-	Long life	Long life
Temperature Control		-	Microprocessor, Thermostat for cooling and heating	Microprocessor, Thermostat for cooling and heating
Sound Absorbing / Thermal Insulation Material		-	Foamed polystyrene	Foamed polystyrene
Protection Device		-	Fuse	Fuse
Water Connecting Pipes	Inlet	-	PF 3/4"	PF 3/4"
	Outlet	-	PF 3/4"	PF 3/4"
Sound Pressure Level	Cooling(H/M/L)	dB(A)	26.5/25.6/24.9	30.0/26.5/25.3
	Heating(H/M/L)	dB(A)	26.5/25.6/24.9	30.0/26.5/25.3
Sound Power Level	Cooling(H/M/L)	dB(A)	41.6/39.9/38.5	46.4/41.2/39.6
	Heating(H/M/L)	dB(A)	41.6/39.9/38.5	46.4/41.2/39.6
Connecting Cable	Communication Cable(VCTF-SB)	mm <sup>2</sup> xcores	1.0 ~ 1.5	1.0 ~ 1.5

### Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
- Performances are based on the following conditions :
  - Condition A
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19°CWB
    - Heating : Inlet/Outlet Water Temp. 45°C / 40°C, Indoor Air Temp. 20°CDB / 15°CWB
  - Condition B
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19.5°CWB
    - Heating : Inlet Water Temp. 50°C, Indoor Air Temp. 20°CDB / 15°CWB

## 2. Specifications

Type		Ceiling Concealed Duct - Low Static	
Model Name	Unit	WFCA066RG0A	
Power Supply	V, $\Phi$ , Hz	220-230-240, 1, 50	
Running Current by Voltage	A	0.70-0.71-0.71	
Cooling Capacity	Condition A	kW	6.6
		kcal/h	5,646
		Btu/h	22,535
Heating Capacity	Condition A	kW	6.6
		kcal/h	5,679
		Btu/h	22,536
Power Input	Rated	W	81
Running Current	Rated	A	0.71
Water Flow Rate	Condition A	ℓ/min	21.7
Head Loss	Condition A	kPa	53.9
Fan	Type	-	Sirocco Fan
	Air Flow Rate(H/M/L)	m <sup>3</sup> /min	20.1/17.3/14.4
	External Static Pressure_Standard mode	mmAq	0
	External Static Pressure_High mode	mmAq	0
Fan Motor	Type	-	BLDC
	Drive	-	CW
	Output	W x No.	19x2
	FLA(Full Load Ampere)	A	0.71
Dimensions	Net(W x H x D)	mm	1100 x 190 x 700
	Shipping(W x H x D)	mm	1242 x 235 x 766
Weight	Net	kg	26.2
	Shipping	kg	30.7
Air Filter	Type	-	Long life
Temperature Control	-	Microprocessor, Thermostat for cooling and heating	
Sound Absorbing / Thermal Insulation Material	-	Foamed polystyrene	
Protection Device	-	Fuse	
Water Connecting Pipes	Inlet	-	PF 3/4"
	Outlet	-	PF 3/4"
Sound Pressure Level	Cooling(H/M/L)	dB(A)	36.6/33.4/29.9
	Heating(H/M/L)	dB(A)	36.6/33.4/29.9
Sound Power Level	Cooling(H/M/L)	dB(A)	54.4/51.1/46.8
	Heating(H/M/L)	dB(A)	54.4/51.1/46.8
Connecting Cable	Communication Cable(VCTF-SB)	mm <sup>2</sup> ×cores	1.0 ~ 1.5

### Note

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
- Performances are based on the following conditions :
  - Condition A
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19°CWB
    - Heating : Inlet/Outlet Water Temp. 45°C / 40°C, Indoor Air Temp. 20°CDB / 15°CWB
  - Condition B
    - Cooling : Inlet/Outlet Water Temp. 7°C / 12°C, Indoor Air Temp. 27°CDB / 19.5°CWB
    - Heating : Inlet Water Temp. 50°C, Indoor Air Temp. 20°CDB / 15°CWB

### 3. Dimensions

■ WFC A012RG0A, WFC A018RG0A, WFC A025RG0A, WFC A032RG0A ,WFC A039RG0A  
 WFC A055RG0A, WFC A066RG0A

◆ L1 / L2 / L3 Chassis

**Note**

1. Unit should be installed in compliance with the installation code for the country.
2. Units should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.

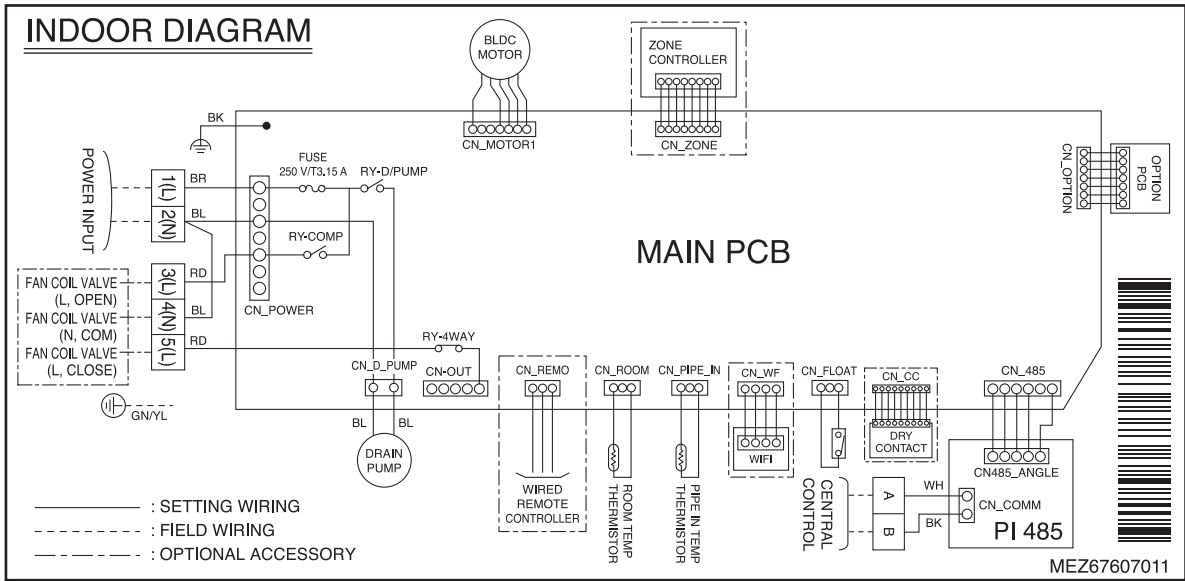
Chassis	A	B	C	D
L1	774	700	733	660
L2	974	900	933	860
L3	1,174	1,100	1,133	1,060

No.	Part Name	Description
6	Air Suction	-
5	Air discharge	-
4	Power supply connection	-
3	Drain pipe connection	-
2	Water in pipe connection	PF 3/4"
1	Water out pipe connection	PF 3/4"

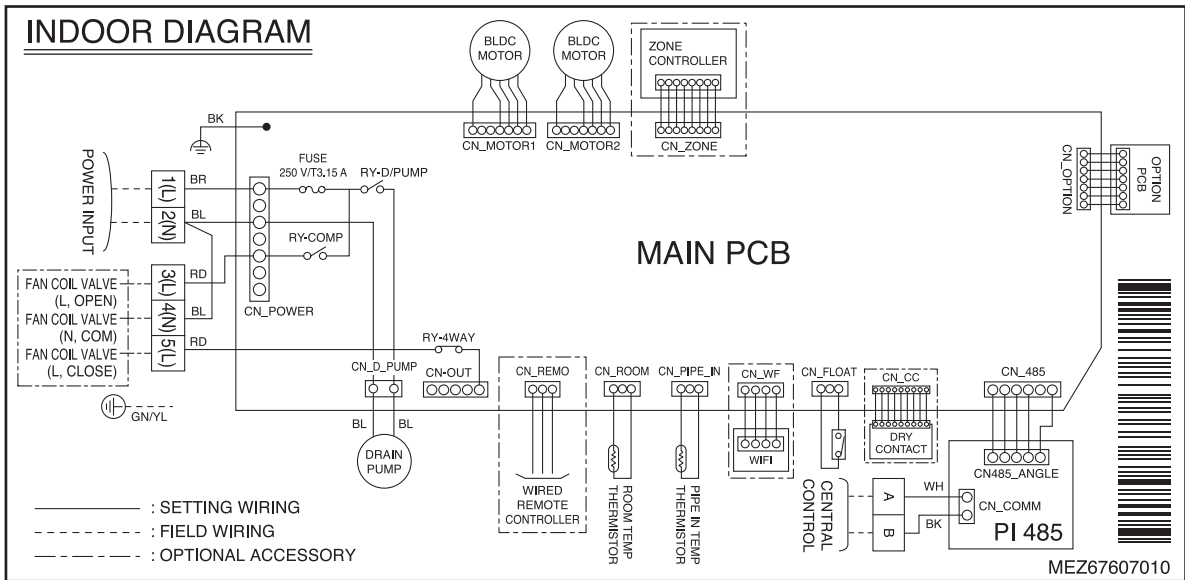
[Unit : mm]  
 Chassis : L1 / L2 / L3  
 TBA36373301\_Rev.01

# 4. Wiring diagrams

## L1 Chassis



## L2 / L3 Chassis



# 5. Capacity Tables

## 5.1 Cooling Capacity

### ◆ WFA012RG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
5	4	24	1,316	949	4.2	1.5	1,437	1,075	4.6	2.0	1,719	1,254	5.2	2.8	1,894	1,349	6.0	3.9
		25	1,492	1,116	4.8	2.3	1,629	1,265	5.3	2.9	1,948	1,476	6.0	3.8	2,146	1,587	6.9	5.0
		26	1,632	1,255	5.4	3.1	1,782	1,423	6.0	3.8	2,132	1,660	6.7	4.8	2,348	1,786	7.8	6.2
		27	1,755	1,395	6.0	3.9	1,916	1,581	6.6	4.6	2,292	1,844	7.5	5.8	2,525	1,984	8.6	7.3
		28	1,843	1,534	6.7	4.7	2,012	1,739	7.3	5.5	2,407	2,029	8.2	6.8	2,651	2,182	9.5	8.4
		29	1,930	1,688	7.3	5.5	2,108	1,913	7.9	6.4	2,521	2,232	9.0	7.7	2,777	2,401	10.4	9.6
	30	2,018	1,813	7.9	6.3	2,203	2,055	8.6	7.2	2,636	2,398	9.7	8.7	2,904	2,579	11.2	10.7	
	5	24	1,115	874	3.0	0.1	1,168	950	3.4	0.4	1,612	1,233	4.4	1.8	1,773	1,307	5.2	2.8
		25	1,263	1,028	3.5	0.5	1,324	1,117	3.8	1.0	1,826	1,451	5.1	2.6	2,009	1,538	6.0	3.8
		26	1,382	1,156	3.9	1.1	1,448	1,257	4.3	1.6	1,998	1,632	5.7	3.4	2,198	1,730	6.7	4.8
		27	1,486	1,285	4.3	1.6	1,557	1,396	4.8	2.2	2,149	1,813	6.3	4.3	2,364	1,922	7.5	5.8
		28	1,561	1,413	4.8	2.2	1,635	1,536	5.3	2.9	2,256	1,995	7.0	5.1	2,482	2,114	8.2	6.8
		29	1,635	1,554	5.2	2.8	1,713	1,690	5.8	3.5	2,364	2,194	7.6	5.9	2,600	2,326	9.0	7.7
	30	1,709	1,670	5.6	3.3	1,791	1,815	6.2	4.1	2,471	2,358	8.2	6.8	2,718	2,499	9.7	8.7	
	6	24	1,048	843	2.6	0.1	1,276	1,012	3.1	0.1	1,531	1,191	3.7	0.8	1,679	1,275	4.2	1.5
		25	1,187	992	3.0	0.1	1,446	1,190	3.6	0.7	1,735	1,401	4.2	1.5	1,903	1,500	4.8	2.3
		26	1,299	1,116	3.4	0.4	1,582	1,339	4.0	1.3	1,898	1,576	4.8	2.2	2,082	1,688	5.4	3.1
		27	1,397	1,240	3.7	0.9	1,701	1,488	4.5	1.8	2,041	1,751	5.3	2.9	2,238	1,875	6.0	3.9
		28	1,467	1,364	4.1	1.4	1,786	1,637	4.9	2.4	2,143	1,927	5.8	3.6	2,350	2,063	6.7	4.7
		29	1,536	1,500	4.5	1.8	1,871	1,800	5.4	3.0	2,245	2,119	6.4	4.3	2,462	2,269	7.3	5.5
	30	1,606	1,612	4.9	2.3	1,956	1,934	5.8	3.6	2,348	2,277	6.9	5.0	2,574	2,438	7.9	6.3	
	7	24	940	780	2.2	0.1	1,128	917	2.3	0.1	1,356	1,086	2.9	0.1	1,491	1,159	3.1	0.1
		25	1,065	918	2.5	0.1	1,279	1,079	2.7	0.1	1,537	1,277	3.3	0.2	1,689	1,364	3.6	0.7
		26	1,166	1,032	2.8	0.1	1,399	1,214	3.0	0.1	1,682	1,437	3.7	0.8	1,849	1,534	4.0	1.3
		27	1,253	1,147	3.1	0.0	1,504	1,348	3.3	0.3	1,809	1,596	4.1	1.3	1,988	1,705	4.5	1.8
		28	1,316	1,262	3.4	0.4	1,579	1,483	3.7	0.8	1,899	1,756	4.5	1.9	2,087	1,875	4.9	2.4
		29	1,379	1,388	3.7	0.8	1,655	1,632	4.0	1.2	1,989	1,932	4.9	2.4	2,186	2,063	5.4	3.0
	30	1,441	1,491	4.0	1.3	1,730	1,753	4.3	1.6	2,080	2,075	5.3	2.9	2,286	2,216	5.8	3.6	
	8	24	725	611	1.4	0.1	873	727	1.5	0.1	1,316	1,075	1.8	0.1	1,442	917	2.0	0.1
		25	822	719	1.6	0.1	989	856	1.7	0.1	1,492	1,265	2.1	0.1	1,624	1,399	2.3	0.1
26		899	809	1.8	0.1	1,082	963	1.9	0.1	1,632	1,423	2.3	0.1	1,816	1,614	2.5	0.1	
27		967	899	2.0	0.1	1,164	1,069	2.1	0.1	1,755	1,581	2.6	0.1	1,922	1,748	2.8	0.1	
28		1,015	989	2.2	0.1	1,222	1,176	2.3	0.1	1,843	1,739	2.9	0.1	2,015	1,883	3.1	0.1	
29		1,064	1,088	2.4	0.1	1,280	1,294	2.6	0.1	1,930	1,913	3.1	0.0	2,114	2,082	3.4	0.4	
30	1,112	1,169	2.5	0.1	1,339	1,390	2.8	0.1	2,018	2,055	3.4	0.4	2,214	2,251	3.7	0.8		
6	4	24	985	802	4.0	1.2	1,198	962	4.7	2.1	1,433	1,122	5.5	3.2	1,579	1,207	6.2	4.1
		25	1,117	943	4.5	1.9	1,358	1,132	5.3	2.9	1,624	1,320	6.3	4.2	1,789	1,420	7.1	5.3
		26	1,222	1,061	5.1	2.6	1,485	1,273	6.0	3.8	1,777	1,485	7.1	5.3	1,957	1,598	8.0	6.4
		27	1,314	1,179	5.7	3.4	1,597	1,415	6.7	4.7	1,911	1,650	7.9	6.3	2,105	1,775	8.9	7.6
		28	1,379	1,297	6.2	4.1	1,677	1,556	7.3	5.6	2,006	1,816	8.7	7.3	2,210	1,953	9.8	8.8
		29	1,445	1,426	6.8	4.9	1,757	1,712	8.0	6.4	2,102	1,997	9.5	8.4	2,315	2,148	10.6	9.9
	30	1,511	1,533	7.4	5.6	1,837	1,839	8.6	7.3	2,197	2,146	10.3	9.4	2,421	2,308	11.5	11.1	
	5	24	929	792	2.6	0.1	1,066	898	3.1	0.0	1,344	1,103	4.2	1.5	1,478	1,169	4.6	2.0
		25	1,053	932	3.0	0.1	1,208	1,057	3.6	0.6	1,523	1,298	4.8	2.3	1,675	1,376	5.3	2.9
		26	1,152	1,049	3.3	0.3	1,322	1,189	4.0	1.2	1,666	1,460	5.4	3.0	1,833	1,548	5.9	3.7
		27	1,239	1,165	3.7	0.8	1,422	1,321	4.4	1.8	1,791	1,623	6.0	3.8	1,970	1,720	6.6	4.6
		28	1,301	1,282	4.1	1.3	1,493	1,453	4.9	2.4	1,881	1,785	6.6	4.6	2,069	1,892	7.3	5.5
		29	1,363	1,410	4.4	1.8	1,564	1,598	5.3	2.9	1,970	1,963	7.2	5.4	2,168	2,081	7.9	6.3
	30	1,425	1,515	4.8	2.3	1,635	1,717	5.8	3.5	2,060	2,110	7.8	6.2	2,266	2,236	8.6	7.2	
	6	24	873	773	2.4	0.1	1,064	905	2.6	0.1	1,276	1,066	3.2	0.1	1,399	1,141	3.5	0.5
		25	990	910	2.8	0.1	1,205	1,065	3.0	0.1	1,447	1,254	3.6	0.7	1,586	1,343	4.0	1.2
		26	1,083	1,024	3.1	0.0	1,319	1,198	3.3	0.3	1,583	1,411	4.1	1.3	1,735	1,510	4.5	1.8
		27	1,164	1,137	3.4	0.5	1,418	1,331	3.7	0.8	1,702	1,567	4.5	1.9	1,866	1,678	5.0	2.5
		28	1,223	1,251	3.8	0.9	1,489	1,465	4.1	1.3	1,787	1,724	5.0	2.5	1,959	1,846	5.5	3.1
		29	1,281	1,376	4.1	1.4	1,560	1,611	4.4	1.8	1,872	1,896	5.4	3.1	2,053	2,031	6.0	3.8
	30	1,339	1,478	4.5	1.8	1,631	1,731	4.8	2.3	1,957	2,037	5.9	3.7	2,146	2,182	6.5	4.4	
	7	24	784	698	1.9	0.1	940	821	2.0	0.1	1,131	971	2.4	0.1	1,243	1,037	2.7	0.1
		25	888	821	2.1	0.1	1,066	965	2.3	0.1	1,282	1,143	2.8	0.1	1,408	1,221	3.1	0.1
		26	972	924	2.4	0.1	1,166	1,086	2.6	0.1	1,402	1,286	3.1	0.1	1,541	1,373	3.5	0.5
		27	1,045	1,026	2.7	0.1	1,254	1,207	2.9	0.1	1,508	1,429	3.5	0.5	1,657	1,526	3.8	1.0
		28	1,097	1,129	2.9	0.1	1,317	1,327	3.1	0.1	1,583	1,571	3.8	1.0	1,740	1,678	4.2	1.5
		29	1,149	1,242	3.2	0.1	1,379	1,460	3.4	0.5	1,658	1,729	4.2	1.5	1,823	1,846	4.6	2.0
	30	1,202	1,334	3.5	0.5	1,442	1,569	3.7	0.8	1,734	1,857	4.5	1.9	1,906	1,983	5.0	2.5	
	8	24	605	547	1.2	0.1	728	651	1.3	0.1	1,097	962	1.6	0.1	1,192	821	1.7	0.1
		25	685	644	1.3	0.1	825	766	1.5	0.1	1,243	1,132	1.8	0.1	1,379	965	1.9	0.1
26		750	724	1.5	0.1	902	861	1.6	0.1	1,361	1,273	2.0	0.1	1,480	1,386	2.2	0.1	
27		806	804	1.7	0.1	970	957	1.8	0.1	1,463	1,415	2.2	0.1	1,569	1,507	2.4	0.1	
28		846	885	1.8	0.1	1,019	1,053	2.0	0.1	1,536	1,556	2.4	0.1	1,632	1,678	2.7	0.1	
29		887	973	2.0	0.1	1,067	1,158	2.2	0.1	1,609	1,712	2.7	0.1	1,701	1,816	2.9	0.1	
30	927	1,022	2.2	0.1	1,116	1,215	2.4	0.1	1,682	1,797	2.9	0.1	1,789	1,916	3.1	0.1		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)



# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
7	4	24	894	727	3.8	0.9	1,087	873	4.1	1.3	1,300	1,018	5.0	2.5	1,432	1,095	5.5	3.2
		25	1,013	855	4.4	1.7	1,231	1,027	4.6	2.0	1,473	1,198	5.7	3.4	1,623	1,288	6.3	4.2
		26	1,108	962	4.9	2.4	1,347	1,155	5.2	2.8	1,612	1,347	6.4	4.4	1,776	1,449	7.1	5.2
		27	1,192	1,069	5.4	3.1	1,449	1,283	5.8	3.6	1,733	1,497	7.1	5.3	1,909	1,610	7.8	6.2
		28	1,251	1,176	6.0	3.8	1,521	1,411	6.4	4.3	1,820	1,647	7.8	6.2	2,005	1,771	8.6	7.3
		29	1,311	1,294	6.5	4.5	1,594	1,553	7.0	5.1	1,906	1,811	8.5	7.2	2,100	1,948	9.4	8.3
	30	1,370	1,390	7.1	5.2	1,666	1,668	7.5	5.8	1,993	1,946	9.3	8.1	2,196	2,093	10.2	9.3	
	5	24	843	719	2.4	0.1	1,016	855	2.8	0.1	1,219	1,001	3.4	0.4	1,340	1,061	3.8	0.9
		25	955	845	2.7	0.1	1,151	1,006	3.2	0.1	1,381	1,177	3.9	1.1	1,519	1,248	4.3	1.6
		26	1,045	951	3.1	0.1	1,259	1,132	3.6	0.7	1,511	1,325	4.4	1.7	1,662	1,404	4.8	2.3
		27	1,124	1,057	3.4	0.4	1,354	1,258	4.0	1.2	1,625	1,472	4.9	2.4	1,787	1,560	5.4	3.0
		28	1,180	1,162	3.7	0.9	1,422	1,384	4.4	1.7	1,706	1,619	5.4	3.0	1,877	1,716	5.9	3.7
		29	1,236	1,279	4.1	1.3	1,489	1,522	4.8	2.2	1,787	1,781	5.9	3.6	1,966	1,888	6.4	4.4
	30	1,292	1,374	4.4	1.7	1,557	1,635	5.2	2.8	1,869	1,913	6.3	4.3	2,055	2,028	7.0	5.1	
	6	24	792	701	2.0	0.1	965	821	2.1	0.1	1,158	967	2.6	0.1	1,269	1,035	2.8	0.1
		25	898	825	2.2	0.1	1,093	966	2.4	0.1	1,312	1,137	2.9	0.1	1,439	1,218	3.2	0.2
		26	982	928	2.5	0.1	1,196	1,087	2.7	0.1	1,436	1,279	3.3	0.3	1,574	1,370	3.6	0.7
		27	1,056	1,032	2.8	0.1	1,286	1,208	3.0	0.1	1,544	1,422	3.7	0.8	1,693	1,522	4.0	1.3
		28	1,109	1,135	3.1	0.1	1,351	1,328	3.3	0.3	1,621	1,564	4.0	1.3	1,777	1,674	4.4	1.8
		29	1,162	1,248	3.4	0.4	1,415	1,461	3.6	0.7	1,698	1,720	4.4	1.7	1,862	1,842	4.8	2.3
	30	1,215	1,341	3.6	0.7	1,479	1,570	3.9	1.1	1,775	1,848	4.8	2.2	1,946	1,979	5.3	2.8	
	7	24	711	633	1.5	0.1	853	744	1.6	0.1	1,026	881	2.0	0.1	1,127	941	2.2	0.1
		25	806	745	1.7	0.1	967	876	1.9	0.1	1,162	1,037	2.3	0.1	1,277	1,107	2.5	0.1
		26	881	838	1.9	0.1	1,058	985	2.1	0.1	1,272	1,166	2.6	0.1	1,398	1,245	2.8	0.1
		27	948	931	2.2	0.1	1,137	1,094	2.3	0.1	1,368	1,296	2.8	0.1	1,503	1,384	3.1	0.0
		28	995	1,024	2.4	0.1	1,194	1,204	2.6	0.1	1,436	1,425	3.1	0.0	1,578	1,522	3.4	0.5
		29	1,043	1,126	2.6	0.1	1,251	1,324	2.8	0.1	1,504	1,568	3.4	0.4	1,653	1,674	3.7	0.9
	30	1,090	1,210	2.8	0.1	1,308	1,423	3.0	0.1	1,573	1,684	3.7	0.8	1,728	1,799	4.1	1.3	
	8	24	548	496	1.0	0.1	660	590	1.0	0.1	995	873	1.3	0.1	863	744	1.4	0.1
		25	621	584	1.1	0.1	748	694	1.2	0.1	1,128	1,027	1.4	0.1	978	876	1.6	0.1
26		680	657	1.2	0.1	818	781	1.3	0.1	1,234	1,155	1.6	0.1	1,070	985	1.8	0.1	
27		731	730	1.4	0.1	880	868	1.5	0.1	1,327	1,283	1.8	0.1	1,151	1,094	2.0	0.1	
28		768	803	1.5	0.1	924	955	1.6	0.1	1,393	1,411	2.0	0.1	1,208	1,204	2.2	0.1	
29		804	883	1.6	0.1	968	1,050	1.8	0.1	1,460	1,553	2.2	0.1	1,266	1,324	2.4	0.1	
30	841	927	1.8	0.1	1,012	1,102	1.9	0.1	1,526	1,630	2.3	0.1	1,324	1,390	2.5	0.1		
8	4	24	724	615	3.6	0.7	880	739	3.8	1.0	1,053	862	4.7	2.1	1,160	927	5.2	2.7
		25	820	724	4.1	1.3	997	869	4.4	1.7	1,193	1,014	5.4	3.0	1,314	1,090	5.9	3.7
		26	898	815	4.6	2.0	1,091	977	4.9	2.4	1,306	1,140	6.0	3.9	1,438	1,227	6.6	4.7
		27	965	905	5.1	2.7	1,174	1,086	5.5	3.1	1,404	1,267	6.7	4.7	1,546	1,363	7.4	5.6
		28	1,013	996	5.6	3.3	1,232	1,195	6.0	3.8	1,474	1,394	7.4	5.6	1,624	1,499	8.1	6.6
		29	1,062	1,095	6.1	4.0	1,291	1,314	6.5	4.5	1,544	1,533	8.0	6.5	1,701	1,649	8.9	7.6
	30	1,110	1,177	6.7	4.7	1,350	1,412	7.1	5.3	1,614	1,647	8.7	7.4	1,778	1,772	9.6	8.5	
	5	24	683	608	2.2	0.1	914	787	2.7	0.1	987	847	3.2	0.2	1,086	898	3.5	0.6
		25	774	716	2.6	0.1	1,036	926	3.1	0.0	1,119	997	3.7	0.8	1,231	1,056	4.0	1.2
		26	847	805	2.9	0.1	1,133	1,042	3.5	0.5	1,224	1,121	4.1	1.4	1,346	1,188	4.5	1.9
		27	910	894	3.2	0.1	1,219	1,157	3.9	1.0	1,316	1,246	4.6	2.0	1,448	1,320	5.0	2.6
		28	956	984	3.5	0.6	1,280	1,273	4.3	1.5	1,382	1,370	5.1	2.6	1,520	1,452	5.5	3.2
		29	1,001	1,082	3.8	1.0	1,340	1,400	4.7	2.1	1,448	1,507	5.5	3.2	1,592	1,598	6.1	3.9
	30	1,047	1,163	4.2	1.4	1,401	1,505	5.0	2.6	1,514	1,620	6.0	3.8	1,665	1,716	6.6	4.6	
	6	24	642	594	1.8	0.1	781	695	2.0	0.1	938	818	2.4	0.1	1,028	876	2.7	0.1
		25	727	698	2.1	0.1	886	818	2.3	0.1	1,063	963	2.8	0.1	1,165	1,031	3.0	0.1
		26	796	786	2.4	0.1	969	920	2.5	0.1	1,163	1,083	3.1	0.0	1,275	1,160	3.4	0.4
		27	855	873	2.6	0.1	1,042	1,022	2.8	0.1	1,250	1,203	3.5	0.5	1,371	1,288	3.8	0.9
		28	898	960	2.9	0.1	1,094	1,124	3.1	0.0	1,313	1,324	3.8	0.9	1,439	1,417	4.2	1.4
		29	941	1,013	3.2	0.1	1,146	1,186	3.4	0.4	1,375	1,396	4.2	1.4	1,508	1,495	4.6	1.9
	30	984	1,074	3.4	0.4	1,198	1,298	3.7	0.8	1,438	1,528	4.5	1.9	1,577	1,636	4.9	2.4	
	7	24	576	536	1.4	0.1	691	630	1.5	0.1	831	746	1.9	0.1	913	796	2.1	0.1
		25	653	630	1.6	0.1	783	741	1.7	0.1	942	877	2.1	0.1	1,035	937	2.3	0.1
		26	714	709	1.8	0.1	857	834	2.0	0.1	1,030	987	2.4	0.1	1,132	1,054	2.6	0.1
		27	768	788	2.0	0.1	921	926	2.2	0.1	1,108	1,097	2.7	0.1	1,217	1,171	2.9	0.1
		28	806	867	2.2	0.1	967	1,019	2.4	0.1	1,163	1,206	2.9	0.1	1,278	1,288	3.2	0.2
		29	844	914	2.4	0.1	1,013	1,075	2.6	0.1	1,218	1,272	3.2	0.2	1,339	1,359	3.5	0.6
	30	883	969	2.6	0.1	1,059	1,139	2.8	0.1	1,274	1,349	3.5	0.5	1,400	1,464	3.8	1.0	
	8	24	444	420	0.9	0.1	535	500	1.0	0.1	806	739	1.2	0.1	699	630	1.3	0.1
		25	503	494	1.0	0.1	606	588	1.1	0.1	914	869	1.4	0.1	792	741	1.5	0.1
26		551	556	1.2	0.1	663	661	1.3	0.1	1,000	977	1.5	0.1	867	834	1.7	0.1	
27		592	618	1.3	0.1	713	735	1.4	0.1	1,075	1,086	1.7	0.1	932	926	1.8	0.1	
28		622	679	1.4	0.1	749	808	1.5	0.1	1,129	1,195	1.9	0.1	979	1,019	2.0	0.1	
29		651	716	1.5	0.1	784	852	1.7	0.1	1,182	1,260	2.0	0.1	1,025	1,075	2.2	0.1	
30	681	753	1.7	0.1	820	896	1.8	0.1	1,236	1,325								

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	601	525	3.0	0.1	731	630	3.2	0.2	874	735	3.9	1.1	963	791	4.3	1.7
		25	681	618	3.4	0.5	828	742	3.7	0.8	991	865	4.5	1.9	1,091	931	5.0	2.5
		26	745	695	3.9	1.0	906	834	4.1	1.4	1,084	973	5.1	2.6	1,194	1,047	5.6	3.3
		27	801	773	4.3	1.6	974	927	4.6	2.0	1,165	1,082	5.6	3.3	1,284	1,163	6.2	4.1
		28	841	850	4.7	2.2	1,023	1,020	5.1	2.6	1,224	1,190	6.2	4.1	1,348	1,280	6.8	4.9
		29	881	935	5.2	2.7	1,072	1,122	5.5	3.2	1,282	1,309	6.8	4.8	1,412	1,408	7.5	5.7
	30	921	1,004	5.6	3.3	1,120	1,205	6.0	3.8	1,340	1,406	7.3	5.6	1,476	1,512	8.1	6.5	
	5	24	567	519	1.9	0.1	833	727	2.5	0.1	819	723	2.7	0.1	901	766	3.0	0.1
		25	642	611	2.2	0.1	944	855	2.8	0.1	929	851	3.1	0.0	1,022	902	3.4	0.4
		26	703	687	2.4	0.1	1,033	962	3.2	0.2	1,016	957	3.5	0.5	1,118	1,014	3.8	1.0
		27	756	763	2.7	0.1	1,110	1,069	3.6	0.6	1,093	1,063	3.9	1.0	1,202	1,127	4.2	1.5
		28	793	840	3.0	0.1	1,166	1,176	3.9	1.1	1,147	1,170	4.3	1.5	1,262	1,240	4.7	2.1
		29	831	886	3.2	0.2	1,221	1,240	4.3	1.6	1,202	1,234	4.6	2.0	1,322	1,307	5.1	2.6
	30	869	931	3.5	0.5	1,277	1,305	4.6	2.0	1,256	1,297	5.0	2.5	1,382	1,375	5.5	3.2	
	6	24	533	507	1.6	0.1	649	593	1.7	0.1	778	698	2.0	0.1	854	748	2.2	0.1
		25	604	596	1.8	0.1	735	698	1.9	0.1	882	822	2.3	0.1	967	880	2.6	0.1
		26	660	671	2.0	0.1	804	785	2.1	0.1	965	924	2.6	0.1	1,058	990	2.9	0.1
		27	710	745	2.2	0.1	865	873	2.4	0.1	1,038	1,027	2.9	0.1	1,138	1,100	3.2	0.1
		28	746	797	2.4	0.1	908	934	2.6	0.1	1,090	1,099	3.2	0.2	1,195	1,177	3.5	0.6
		29	781	842	2.7	0.1	951	986	2.9	0.1	1,142	1,161	3.5	0.5	1,252	1,243	3.8	1.0
	30	817	894	2.9	0.1	995	1,047	3.1	0.0	1,194	1,232	3.8	0.9	1,309	1,320	4.2	1.4	
	7	24	478	457	1.2	0.1	574	538	1.3	0.1	690	637	1.6	0.1	758	680	1.7	0.1
		25	542	538	1.4	0.1	650	633	1.5	0.1	782	749	1.8	0.1	859	800	2.0	0.1
		26	593	605	1.5	0.1	711	712	1.7	0.1	855	843	2.0	0.1	940	900	2.2	0.1
		27	637	673	1.7	0.1	765	791	1.8	0.1	920	936	2.2	0.1	1,011	1,000	2.5	0.1
		28	669	720	1.9	0.1	803	846	2.0	0.1	966	1,002	2.5	0.1	1,061	1,070	2.7	0.1
		29	701	760	2.1	0.1	841	894	2.2	0.1	1,011	1,058	2.7	0.1	1,112	1,130	3.0	0.1
	30	733	807	2.2	0.1	879	949	2.4	0.1	1,057	1,123	2.9	0.1	1,162	1,200	3.2	0.2	
	8	24	369	358	0.8	0.1	444	426	0.8	0.1	669	630	1.0	0.1	580	538	1.1	0.1
		25	418	422	0.9	0.1	503	502	0.9	0.1	758	742	1.1	0.1	658	633	1.2	0.1
		26	457	474	1.0	0.1	550	564	1.1	0.1	830	834	1.3	0.1	720	712	1.4	0.1
		27	492	527	1.1	0.1	592	627	1.2	0.1	892	927	1.4	0.1	774	791	1.6	0.1
		28	516	564	1.2	0.1	621	671	1.3	0.1	937	992	1.6	0.1	813	846	1.7	0.1
		29	541	596	1.3	0.1	651	709	1.4	0.1	981	1,048	1.7	0.1	851	894	1.9	0.1
	30	565	633	1.4	0.1	681	753	1.5	0.1	1,026	1,112	1.9	0.1	890	949	2.0	0.1	

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

## ◆ WFA018RG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
5	4	24	1,788	1,293	5.9	3.7	1,952	1,466	6.5	4.5	2,335	1,710	7.3	5.6	2,572	1,839	8.5	7.1
		25	2,026	1,521	6.8	4.8	2,212	1,724	7.4	5.7	2,646	2,012	8.4	7.0	2,915	2,164	9.7	8.6
		26	2,217	1,712	7.6	5.9	2,420	1,940	8.3	6.9	2,895	2,263	9.4	8.3	3,189	2,434	10.9	10.2
		27	2,383	1,902	8.5	7.1	2,602	2,155	9.3	8.1	3,113	2,515	10.5	9.7	3,429	2,705	12.1	11.8
		28	2,503	2,092	9.3	8.2	2,732	2,371	10.2	9.3	3,269	2,766	11.5	11.1	3,601	2,975	13.3	13.4
		29	2,622	2,301	10.2	9.3	2,863	2,608	11.1	10.6	3,424	3,043	12.6	12.5	3,772	3,273	14.5	15.0
	30	2,741	2,472	11.0	10.4	2,993	2,802	12.1	11.8	3,580	3,269	13.6	13.8	3,944	3,516	15.7	16.6	
	5	24	1,514	1,191	4.2	1.5	1,586	1,294	4.7	2.1	2,189	1,681	6.2	4.1	2,408	1,782	7.3	5.6
		25	1,716	1,401	4.8	2.3	1,798	1,523	5.4	3.0	2,481	1,978	7.1	5.3	2,729	2,096	8.4	7.0
		26	1,877	1,576	5.4	3.1	1,967	1,713	6.0	3.9	2,714	2,225	8.0	6.4	2,986	2,358	9.4	8.3
		27	2,019	1,751	6.0	3.9	2,115	1,904	6.7	4.8	2,918	2,472	8.9	7.6	3,210	2,620	10.5	9.7
		28	2,120	1,926	6.7	4.7	2,221	2,094	7.4	5.6	3,064	2,719	9.8	8.8	3,371	2,882	11.5	11.1
		29	2,220	2,119	7.3	5.5	2,326	2,303	8.1	6.5	3,210	2,991	10.6	9.9	3,531	3,170	12.6	12.5
	30	2,321	2,277	7.9	6.3	2,432	2,475	8.7	7.4	3,356	3,214	11.5	11.1	3,692	3,406	13.6	13.8	
	6	24	1,423	1,150	3.7	0.8	1,733	1,379	4.4	1.7	2,079	1,624	5.2	2.8	2,280	1,739	5.9	3.7
		25	1,612	1,352	4.2	1.5	1,964	1,623	5.0	2.6	2,357	1,910	5.9	3.7	2,584	2,045	6.8	4.8
		26	1,764	1,521	4.7	2.1	2,149	1,826	5.7	3.4	2,578	2,149	6.7	4.7	2,827	2,301	7.6	5.9
		27	1,897	1,690	5.2	2.8	2,310	2,029	6.3	4.2	2,773	2,388	7.4	5.7	3,040	2,557	8.5	7.1
		28	1,992	1,859	5.8	3.5	2,426	2,231	6.9	5.0	2,911	2,627	8.2	6.7	3,192	2,812	9.3	8.2
		29	2,087	2,045	6.3	4.2	2,542	2,455	7.5	5.9	3,050	2,889	8.9	7.6	3,344	3,094	10.2	9.3
	30	2,182	2,198	6.8	4.9	2,657	2,637	8.2	6.7	3,188	3,104	9.6	8.6	3,496	3,324	11.0	10.4	
	7	24	1,277	1,063	3.0	0.1	1,532	1,250	3.3	0.2	1,842	1,480	4.0	1.2	2,025	1,581	4.4	1.7
		25	1,447	1,251	3.5	0.5	1,737	1,471	3.7	0.9	2,088	1,741	4.6	2.0	2,295	1,859	5.0	2.6
		26	1,583	1,407	3.9	1.1	1,900	1,655	4.2	1.5	2,284	1,959	5.2	2.7	2,511	2,092	5.7	3.4
		27	1,702	1,564	4.4	1.7	2,043	1,838	4.7	2.1	2,456	2,176	5.7	3.5	2,700	2,324	6.3	4.2
		28	1,788	1,720	4.8	2.2	2,145	2,022	5.1	2.7	2,579	2,394	6.3	4.2	2,835	2,557	6.9	5.0
		29	1,873	1,892	5.2	2.8	2,247	2,224	5.6	3.3	2,702	2,633	6.9	5.0	2,970	2,812	7.5	5.9
	30	1,958	2,033	5.7	3.4	2,349	2,390	6.1	3.9	2,825	2,829	7.4	5.7	3,105	3,022	8.2	6.7	
	8	24	985	833	1.9	0.1	1,186	991	2.1	0.1	1,788	1,466	2.5	0.1	1,550	1,250	2.8	0.1
		25	1,116	980	2.2	0.1	1,344	1,166	2.4	0.1	2,026	1,724	2.9	0.1	1,757	1,471	3.2	0.1
26		1,221	1,103	2.5	0.1	1,470	1,312	2.7	0.1	2,217	1,940	3.3	0.2	1,923	1,655	3.6	0.6	
27		1,313	1,226	2.7	0.1	1,581	1,458	3.0	0.1	2,383	2,155	3.6	0.7	2,067	1,838	4.0	1.1	
28		1,379	1,348	3.0	0.1	1,660	1,604	3.3	0.3	2,503	2,371	4.0	1.2	2,171	2,022	4.3	1.7	
29		1,445	1,483	3.3	0.3	1,739	1,764	3.6	0.6	2,622	2,608	4.4	1.7	2,274	2,224	4.7	2.2	
30	1,510	1,593	3.6	0.6	1,818	1,895	3.9	1.0	2,741	2,802	4.7	2.1	2,377	2,390	5.1	2.7		
6	4	24	1,338	1,093	5.6	3.2	1,627	1,311	6.5	4.5	1,946	1,530	7.7	6.1	2,144	1,646	8.7	7.4
		25	1,517	1,286	6.3	4.3	1,844	1,543	7.5	5.7	2,206	1,800	8.8	7.5	2,430	1,936	9.9	9.0
		26	1,659	1,446	7.1	5.3	2,018	1,736	8.4	6.9	2,414	2,025	9.9	9.0	2,659	2,178	11.2	10.6
		27	1,784	1,607	7.9	6.4	2,169	1,929	9.3	8.2	2,595	2,250	11.0	10.4	2,859	2,420	12.4	12.2
		28	1,873	1,768	8.7	7.4	2,278	2,121	10.2	9.4	2,725	2,475	12.1	11.9	3,002	2,662	13.7	13.9
		29	1,963	1,945	9.5	8.4	2,386	2,334	11.2	10.6	2,855	2,723	13.2	13.3	3,145	2,928	14.9	15.5
	30	2,052	2,089	10.3	9.5	2,495	2,507	12.1	11.8	2,984	2,925	14.4	14.8	3,288	3,146	16.1	17.1	
	5	24	1,262	1,080	3.6	0.7	1,448	1,225	4.4	1.7	1,825	1,504	5.9	3.7	2,007	1,594	6.5	4.4
		25	1,430	1,271	4.1	1.4	1,641	1,441	5.0	2.5	2,068	1,770	6.7	4.8	2,275	1,876	7.4	5.7
		26	1,565	1,429	4.7	2.1	1,796	1,621	5.6	3.3	2,263	1,991	7.6	5.9	2,489	2,110	8.3	6.9
		27	1,683	1,588	5.2	2.7	1,931	1,801	6.2	4.1	2,433	2,212	8.4	7.0	2,676	2,345	9.2	8.1
		28	1,767	1,747	5.7	3.4	2,027	1,981	6.8	4.9	2,555	2,433	9.3	8.1	2,810	2,579	10.2	9.3
		29	1,851	1,922	6.2	4.1	2,124	2,179	7.5	5.7	2,676	2,677	10.1	9.2	2,944	2,837	11.1	10.5
	30	1,935	2,065	6.7	4.8	2,221	2,341	8.1	6.6	2,798	2,876	10.9	10.3	3,078	3,048	12.0	11.7	
	6	24	1,186	1,054	3.4	0.4	1,445	1,234	3.6	0.7	1,734	1,453	4.4	1.8	1,901	1,556	4.9	2.4
		25	1,344	1,240	3.9	1.0	1,637	1,452	4.1	1.4	1,965	1,709	5.1	2.6	2,154	1,830	5.6	3.3
		26	1,471	1,395	4.3	1.7	1,791	1,634	4.7	2.1	2,150	1,923	5.7	3.4	2,357	2,059	6.3	4.2
		27	1,581	1,550	4.8	2.3	1,926	1,815	5.2	2.7	2,311	2,137	6.3	4.3	2,534	2,288	7.0	5.1
		28	1,661	1,705	5.3	2.9	2,022	1,997	5.7	3.4	2,427	2,350	7.0	5.1	2,661	2,517	7.7	6.0
		29	1,740	1,876	5.8	3.6	2,119	2,196	6.2	4.1	2,542	2,585	7.6	5.9	2,788	2,768	8.4	6.9
	30	1,819	2,016	6.3	4.2	2,215	2,360	6.7	4.8	2,658	2,778	8.3	6.8	2,915	2,974	9.1	7.8	
	7	24	1,064	951	2.6	0.1	1,277	1,119	2.8	0.1	1,536	1,324	3.4	0.4	1,688	1,414	3.8	0.9
		25	1,206	1,119	3.0	0.1	1,448	1,316	3.2	0.2	1,741	1,558	3.9	1.1	1,913	1,664	4.3	1.6
		26	1,320	1,259	3.4	0.3	1,584	1,480	3.6	0.7	1,904	1,753	4.4	1.7	2,093	1,872	4.8	2.3
		27	1,419	1,399	3.7	0.8	1,703	1,645	4.0	1.2	2,048	1,948	4.9	2.4	2,251	2,080	5.4	3.0
		28	1,490	1,539	4.1	1.3	1,788	1,809	4.4	1.7	2,150	2,142	5.4	3.0	2,363	2,288	5.9	3.7
		29	1,561	1,693	4.5	1.8	1,873	1,990	4.8	2.3	2,253	2,356	5.9	3.7	2,476	2,517	6.5	4.4
	30	1,632	1,819	4.8	2.3	1,959	2,138	5.2	2.8	2,355	2,532	6.4	4.3	2,588	2,704	7.0	5.1	
	8	24	821	746	1.6	0.1	988	887	1.8	0.1	1,490	1,311	2.2	0.1	1,293	1,119	2.4	0.1
		25	931	877	1.9	0.1	1,120	1,044	2.0	0.1	1,689	1,543	2.5	0.1	1,465	1,316	2.7	0.1
26		1,018	987	2.1	0.1	1,226	1,174	2.3	0.1	1,848	1,736	2.8	0.1	1,603	1,480	3.0	0.1	
27		1,095	1,097	2.3	0.1	1,318	1,305	2.6	0.1	1,987	1,929	3.1	0.0	1,723	1,645	3.4	0.4	
28		1,150	1,206	2.6	0.1	1,384	1,435	2.8	0.1	2,086	2,121	3.4	0.4	1,810	1,809	3.7	0.8	
29		1,204	1,327	2.8	0.1	1,450	1,579	3.1	0.1	2,186	2,334	3.7	0.8	1,896	1,990	4.1	1.3	
30	1,259	1,393	3.0	0.1	1,516	1,657	3.3	0.3	2,285	2,449	4.0	1.2	1,982	2,089	4.4	1.7		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
7	4	24	1,214	991	5.3	2.9	1,476	1,190	5.7	3.4	1,765	1,388	7.0	5.1	1,945	1,493	7.7	6.0
		25	1,376	1,166	6.1	3.9	1,673	1,399	6.5	4.5	2,001	1,633	8.0	6.4	2,204	1,756	8.8	7.5
		26	1,505	1,312	6.9	4.9	1,830	1,574	7.3	5.5	2,189	1,837	9.0	7.7	2,411	1,976	9.9	8.9
		27	1,618	1,458	7.6	5.9	1,968	1,749	8.1	6.6	2,354	2,041	10.0	9.0	2,593	2,195	11.0	10.4
		28	1,699	1,604	8.4	6.9	2,066	1,924	8.9	7.7	2,472	2,245	11.0	10.3	2,723	2,415	12.1	11.8
		29	1,780	1,764	9.1	7.9	2,165	2,117	9.7	8.7	2,589	2,469	12.0	11.6	2,852	2,656	13.2	13.2
	30	1,861	1,895	9.9	8.9	2,263	2,274	10.6	9.8	2,707	2,653	13.0	13.0	2,982	2,854	14.3	14.7	
	24	1,145	980	3.3	0.3	1,379	1,166	3.9	1.1	1,655	1,364	4.8	2.2	1,821	1,446	5.3	2.8	
	25	1,297	1,152	3.8	0.9	1,563	1,372	4.5	1.8	1,876	1,605	5.5	3.1	2,063	1,701	6.0	3.8	
	26	1,420	1,297	4.3	1.6	1,710	1,544	5.0	2.6	2,052	1,806	6.1	4.0	2,258	1,914	6.8	4.8	
	27	1,526	1,441	4.8	2.2	1,839	1,715	5.6	3.3	2,207	2,007	6.8	4.9	2,427	2,127	7.5	5.8	
	28	1,603	1,585	5.2	2.8	1,931	1,887	6.2	4.0	2,317	2,207	7.5	5.8	2,549	2,339	8.3	6.8	
	29	1,679	1,743	5.7	3.4	2,023	2,075	6.7	4.8	2,427	2,428	8.2	6.7	2,670	2,573	9.0	7.8	
	30	1,755	1,873	6.2	4.1	2,115	2,230	7.3	5.5	2,538	2,609	8.9	7.6	2,792	2,765	9.8	8.7	
	24	1,076	956	2.7	0.1	1,310	1,120	2.9	0.1	1,572	1,318	3.6	0.7	1,724	1,411	4.0	1.1	
	25	1,219	1,125	3.1	0.1	1,485	1,317	3.4	0.4	1,782	1,550	4.1	1.4	1,954	1,660	4.5	1.9	
	26	1,334	1,266	3.5	0.6	1,625	1,482	3.8	0.9	1,950	1,744	4.6	2.0	2,138	1,868	5.1	2.6	
	27	1,434	1,406	3.9	1.1	1,747	1,646	4.2	1.5	2,096	1,938	5.2	2.7	2,299	2,075	5.7	3.4	
	28	1,506	1,547	4.3	1.6	1,834	1,811	4.6	2.0	2,201	2,132	5.7	3.4	2,414	2,283	6.2	4.1	
	29	1,578	1,702	4.7	2.1	1,922	1,992	5.0	2.6	2,306	2,345	6.2	4.1	2,529	2,511	6.8	4.9	
	30	1,650	1,828	5.1	2.6	2,009	2,140	5.5	3.1	2,411	2,519	6.7	4.7	2,644	2,698	7.4	5.6	
	24	965	863	2.1	0.1	1,159	1,015	2.3	0.1	1,393	1,201	2.8	0.1	1,531	1,283	3.1	0.1	
	25	1,094	1,015	2.4	0.1	1,313	1,194	2.6	0.1	1,579	1,413	3.2	0.1	1,735	1,509	3.5	0.5	
	26	1,197	1,142	2.7	0.1	1,437	1,343	2.9	0.1	1,727	1,590	3.6	0.6	1,898	1,698	3.9	1.1	
	27	1,287	1,269	3.0	0.1	1,545	1,492	3.2	0.2	1,857	1,766	4.0	1.2	2,041	1,887	4.4	1.7	
	28	1,352	1,396	3.3	0.3	1,622	1,641	3.6	0.6	1,950	1,943	4.4	1.7	2,143	2,075	4.8	2.3	
	29	1,416	1,536	3.6	0.7	1,699	1,805	3.9	1.1	2,043	2,137	4.8	2.2	2,245	2,283	5.2	2.8	
	30	1,480	1,650	3.9	1.1	1,776	1,940	4.2	1.5	2,136	2,296	5.2	2.7	2,347	2,452	5.7	3.4	
	24	745	676	1.3	0.1	897	805	1.5	0.1	1,352	1,190	1.8	0.1	1,712	1,015	1.9	0.1	
	25	844	796	1.5	0.1	1,016	947	1.7	0.1	1,532	1,399	2.0	0.1	1,329	1,194	2.2	0.1	
26	924	895	1.7	0.1	1,112	1,065	1.9	0.1	1,676	1,574	2.3	0.1	1,454	1,343	2.5	0.1		
27	993	995	1.9	0.1	1,195	1,183	2.1	0.1	1,802	1,749	2.5	0.1	1,563	1,492	2.7	0.1		
28	1,043	1,094	2.1	0.1	1,255	1,302	2.3	0.1	1,892	1,924	2.8	0.1	1,641	1,641	3.0	0.1		
29	1,092	1,204	2.3	0.1	1,315	1,432	2.5	0.1	1,982	2,117	3.0	0.1	1,719	1,805	3.3	0.3		
30	1,142	1,263	2.5	0.1	1,375	1,503	2.7	0.1	2,073	2,222	3.3	0.2	1,798	1,895	3.6	0.6		
8	4	24	983	839	5.0	2.5	1,195	1,007	5.3	3.0	1,430	1,175	6.6	4.6	1,575	1,263	7.2	5.4
		25	1,114	987	5.7	3.5	1,355	1,184	6.1	4.0	1,621	1,382	7.5	5.8	1,785	1,486	8.3	6.8
		26	1,219	1,110	6.4	4.4	1,482	1,333	6.9	5.0	1,773	1,555	8.4	7.0	1,953	1,672	9.3	8.1
		27	1,311	1,234	7.2	5.4	1,594	1,481	7.6	6.0	1,907	1,727	9.4	8.3	2,100	1,858	10.3	9.5
		28	1,376	1,357	7.9	6.3	1,674	1,629	8.4	7.0	2,002	1,900	10.3	9.5	2,205	2,044	11.4	10.9
		29	1,442	1,493	8.6	7.2	1,753	1,792	9.2	8.0	2,097	2,090	11.3	10.7	2,310	2,248	12.4	12.2
	30	1,507	1,604	9.3	8.2	1,833	1,925	9.9	9.0	2,193	2,246	12.2	11.9	2,415	2,415	13.4	13.6	
	24	927	829	3.1	0.1	1,241	1,073	3.8	0.9	1,341	1,155	4.5	1.9	1,475	1,224	4.9	2.4	
	25	1,051	975	3.6	0.7	1,407	1,262	4.3	1.7	1,519	1,359	5.1	2.7	1,671	1,440	5.6	3.4	
	26	1,150	1,097	4.0	1.2	1,539	1,420	4.9	2.4	1,662	1,529	5.8	3.5	1,829	1,620	6.4	4.3	
	27	1,236	1,219	4.5	1.8	1,655	1,578	5.4	3.1	1,788	1,698	6.4	4.4	1,966	1,800	7.1	5.2	
	28	1,298	1,341	4.9	2.4	1,738	1,736	6.0	3.8	1,877	1,868	7.1	5.2	2,065	1,980	7.8	6.1	
	29	1,360	1,475	5.4	3.0	1,821	1,909	6.5	4.5	1,966	2,055	7.7	6.1	2,163	2,178	8.5	7.1	
	30	1,422	1,585	5.8	3.6	1,903	2,051	7.1	5.2	2,056	2,208	8.4	6.9	2,261	2,340	9.2	8.0	
	24	871	809	2.6	0.1	1,061	948	2.8	0.1	1,274	1,115	3.4	0.4	1,396	1,194	3.7	0.8	
	25	988	952	3.0	0.1	1,203	1,115	3.2	0.1	1,443	1,312	3.9	1.0	1,583	1,405	4.3	1.5	
	26	1,081	1,071	3.3	0.3	1,316	1,254	3.6	0.6	1,579	1,476	4.4	1.7	1,732	1,581	4.8	2.2	
	27	1,162	1,190	3.7	0.8	1,415	1,394	4.0	1.1	1,698	1,640	4.8	2.3	1,862	1,756	5.3	2.9	
	28	1,220	1,309	4.1	1.3	1,486	1,533	4.3	1.7	1,783	1,804	5.3	2.9	1,955	1,932	5.9	3.6	
	29	1,278	1,381	4.4	1.8	1,557	1,616	4.7	2.2	1,868	1,903	5.8	3.6	2,048	2,037	6.4	4.3	
	30	1,336	1,464	4.8	2.2	1,627	1,770	5.1	2.7	1,953	2,083	6.3	4.2	2,141	2,231	6.9	5.0	
	24	782	730	2.0	0.1	938	859	2.1	0.1	1,128	1,017	2.6	0.1	1,240	1,086	2.9	0.1	
	25	886	859	2.3	0.1	1,064	1,010	2.4	0.1	1,279	1,196	3.0	0.1	1,405	1,277	3.3	0.3	
	26	970	967	2.6	0.1	1,164	1,137	2.8	0.1	1,399	1,346	3.4	0.4	1,538	1,437	3.7	0.8	
	27	1,043	1,074	2.8	0.1	1,251	1,263	3.1	0.1	1,504	1,495	3.7	0.9	1,653	1,597	4.1	1.3	
	28	1,095	1,182	3.1	0.1	1,314	1,389	3.4	0.4	1,580	1,645	4.1	1.3	1,736	1,756	4.5	1.9	
	29	1,147	1,246	3.4	0.4	1,376	1,465	3.7	0.8	1,655	1,734	4.5	1.8	1,819	1,852	4.9	2.4	
	30	1,199	1,321	3.7	0.8	1,439	1,553	4.0	1.2	1,730	1,839	4.9	2.3	1,901	1,996	5.3	3.0	
	24	603	573	1.3	0.1	726	681	1.4	0.1	1,095	1,007	1.7	0.1	950	859	1.8	0.1	
	25	684	674	1.4	0.1	823	801	1.6	0.1	1,241	1,184	1.9	0.1	1,076	1,010	2.1	0.1	
26	748	758	1.6	0.1	900	901	1.8	0.1	1,358	1,333	2.1	0.1	1,178	1,137	2.3	0.1		
27	804	842	1.8	0.1	968	1,002	1.9	0.1	1,460	1,481	2.4	0.1	1,266	1,263	2.6	0.1		
28	845	926	2.0	0.1	1,017	1,102	2.1	0.1	1,533	1,629	2.6	0.1	1,329	1,389	2.8	0.1		
29	885	977	2.1	0.1	1,065	1,162	2.3	0.1	1,606	1,718	2.8	0.1	1,393	1,465	3.1	0.0		
30	925	1,027	2.3	0.1	1,113	1,222	2.5	0.1	1,679	1,806	3.1	0.1	1,456	1,553	3.4	0.4		

Note  
1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	816	716	4.2	1.5	992	859	4.5	1.9	1,187	1,003	5.5	3.2	1,308	1,079	6.1	3.9
		25	925	843	4.8	2.3	1,125	1,011	5.1	2.7	1,345	1,180	6.3	4.2	1,482	1,269	7.0	5.1
		26	1,012	948	5.4	3.1	1,230	1,137	5.8	3.5	1,472	1,327	7.1	5.3	1,621	1,427	7.8	6.2
		27	1,088	1,053	6.0	3.9	1,323	1,264	6.4	4.4	1,583	1,475	7.9	6.3	1,744	1,586	8.7	7.4
		28	1,143	1,159	6.6	4.7	1,389	1,390	7.1	5.2	1,662	1,622	8.7	7.3	1,831	1,745	9.6	8.5
		29	1,197	1,274	7.2	5.4	1,455	1,529	7.7	6.1	1,741	1,784	9.5	8.4	1,918	1,919	10.4	9.6
	30	1,251	1,369	7.8	6.2	1,522	1,643	8.4	6.9	1,820	1,917	10.3	9.4	2,005	2,062	11.3	10.8	
	5	24	770	708	2.6	0.1	1,131	991	3.5	0.5	1,113	986	3.8	0.9	1,224	1,045	4.2	1.4
		25	872	833	3.0	0.1	1,282	1,166	4.0	1.2	1,261	1,160	4.3	1.6	1,387	1,229	4.8	2.2
		26	954	937	3.4	0.4	1,402	1,312	4.5	1.8	1,380	1,305	4.9	2.3	1,518	1,383	5.3	3.0
		27	1,026	1,041	3.8	0.9	1,508	1,458	5.0	2.5	1,484	1,450	5.4	3.1	1,632	1,536	5.9	3.7
		28	1,078	1,145	4.1	1.4	1,583	1,604	5.5	3.1	1,558	1,595	6.0	3.8	1,714	1,690	6.5	4.5
		29	1,129	1,207	4.5	1.9	1,659	1,691	6.0	3.8	1,632	1,682	6.5	4.5	1,795	1,782	7.1	5.3
	30	1,180	1,270	4.9	2.4	1,734	1,778	6.5	4.5	1,706	1,769	7.0	5.2	1,877	1,874	7.7	6.1	
	6	24	723	691	2.2	0.1	881	809	2.3	0.1	1,057	952	2.9	0.1	1,159	1,020	3.1	0.1
		25	820	813	2.5	0.1	999	952	2.7	0.1	1,198	1,120	3.3	0.2	1,314	1,199	3.6	0.7
		26	897	914	2.8	0.1	1,092	1,071	3.0	0.1	1,311	1,260	3.7	0.8	1,437	1,349	4.0	1.2
		27	965	1,016	3.1	0.0	1,175	1,190	3.3	0.3	1,410	1,400	4.1	1.3	1,546	1,499	4.5	1.8
		28	1,013	1,087	3.4	0.4	1,233	1,273	3.7	0.8	1,480	1,498	4.5	1.8	1,623	1,604	4.9	2.4
		29	1,061	1,148	3.7	0.8	1,292	1,344	4.0	1.2	1,551	1,582	4.9	2.4	1,700	1,694	5.4	3.0
	30	1,109	1,219	4.0	1.2	1,351	1,427	4.3	1.6	1,621	1,680	5.3	2.9	1,778	1,799	5.8	3.6	
	7	24	649	624	1.7	0.1	779	733	1.8	0.1	937	868	2.2	0.1	1,029	927	2.4	0.1
		25	736	734	1.9	0.1	883	862	2.1	0.1	1,062	1,021	2.5	0.1	1,167	1,090	2.8	0.1
		26	805	825	2.2	0.1	966	970	2.3	0.1	1,161	1,149	2.8	0.1	1,276	1,227	3.1	0.0
		27	866	917	2.4	0.1	1,039	1,078	2.6	0.1	1,249	1,276	3.1	0.1	1,373	1,363	3.5	0.5
		28	909	981	2.6	0.1	1,091	1,153	2.8	0.1	1,311	1,366	3.5	0.5	1,441	1,458	3.8	0.9
		29	952	1,036	2.9	0.1	1,143	1,218	3.1	0.0	1,374	1,442	3.8	0.9	1,510	1,540	4.2	1.4
	30	995	1,100	3.1	0.0	1,195	1,294	3.3	0.3	1,436	1,532	4.1	1.3	1,578	1,636	4.5	1.9	
	8	24	501	489	1.1	0.1	603	581	1.1	0.1	909	859	1.4	0.1	788	733	1.5	0.1
		25	568	575	1.2	0.1	683	684	1.3	0.1	1,030	1,011	1.6	0.1	893	862	1.7	0.1
26		621	647	1.4	0.1	747	769	1.5	0.1	1,127	1,137	1.8	0.1	977	970	2.0	0.1	
27		668	719	1.5	0.1	804	855	1.6	0.1	1,212	1,264	2.0	0.1	1,051	1,078	2.2	0.1	
28		701	769	1.7	0.1	844	915	1.8	0.1	1,272	1,352	2.2	0.1	1,104	1,153	2.4	0.1	
29		735	812	1.8	0.1	884	966	2.0	0.1	1,333	1,428	2.4	0.1	1,156	1,218	2.6	0.1	
30	768	862	2.0	0.1	924	1,026	2.1	0.1	1,394	1,517	2.6	0.1	1,209	1,294	2.8	0.1		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

## ◆ WFA025RG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
5	4	24	2,477	1,599	7.8	8.6	2,704	1,813	8.6	10.2	3,235	2,115	9.7	12.7	3,563	2,275	11.2	16.0
		25	2,807	1,882	9.0	11.0	3,065	2,132	9.8	12.9	3,666	2,488	11.1	15.7	4,039	2,676	12.8	19.5
		26	3,071	2,117	10.1	13.5	3,353	2,399	11.0	15.6	4,011	2,799	12.5	18.8	4,419	3,011	14.4	23.0
		27	3,302	2,352	11.2	16.0	3,606	2,666	12.3	18.3	4,313	3,110	13.9	21.9	4,751	3,345	16.0	26.6
		28	3,467	2,587	12.3	18.5	3,786	2,932	13.5	21.0	4,529	3,421	15.2	24.9	4,989	3,680	17.6	30.1
		29	3,633	2,846	13.4	20.9	3,966	3,225	14.7	23.8	4,745	3,763	16.6	28.0	5,226	4,047	19.2	33.7
	30	3,798	3,058	14.5	23.4	4,146	3,465	15.9	26.5	4,960	4,043	18.0	31.1	5,464	4,349	20.8	37.2	
	5	24	2,098	1,473	5.6	3.6	2,198	1,601	6.2	5.0	3,033	2,079	8.2	9.4	3,336	2,204	9.7	12.7
		25	2,377	1,733	6.4	5.4	2,491	1,883	7.1	6.9	3,437	2,446	9.4	12.0	3,781	2,592	11.1	15.7
		26	2,601	1,949	7.2	7.1	2,725	2,119	8.0	8.9	3,761	2,752	10.5	14.6	4,137	2,916	12.5	18.8
		27	2,797	2,166	8.0	8.9	2,930	2,354	8.9	10.9	4,044	3,058	11.7	17.2	4,448	3,240	13.9	21.9
		28	2,937	2,383	8.8	10.7	3,077	2,590	9.8	12.8	4,246	3,363	12.9	19.8	4,670	3,565	15.2	24.9
		29	3,077	2,621	9.6	12.4	3,223	2,849	10.7	14.8	4,448	3,700	14.1	22.3	4,893	3,921	16.6	28.0
	30	3,216	2,816	10.4	14.2	3,370	3,061	11.5	16.8	4,650	3,975	15.2	24.9	5,115	4,213	18.0	31.1	
	6	24	1,971	1,422	4.8	2.0	2,401	1,706	5.8	4.1	2,881	2,008	6.9	6.4	3,159	2,150	7.8	8.6
		25	2,234	1,673	5.5	3.5	2,721	2,007	6.6	5.9	3,265	2,362	7.8	8.6	3,580	2,530	9.0	11.0
		26	2,444	1,882	6.2	5.0	2,977	2,258	7.5	7.8	3,573	2,658	8.8	10.8	3,917	2,846	10.1	13.5
		27	2,628	2,091	6.9	6.6	3,201	2,509	8.3	9.6	3,841	2,953	9.8	12.9	4,212	3,162	11.2	16.0
		28	2,760	2,300	7.6	8.1	3,361	2,760	9.1	11.5	4,034	3,248	10.8	15.1	4,423	3,478	12.3	18.5
		29	2,891	2,530	8.3	9.6	3,521	3,036	10.0	13.3	4,226	3,573	11.8	17.3	4,633	3,826	13.4	20.9
	30	3,023	2,718	9.0	11.2	3,681	3,261	10.8	15.1	4,418	3,839	12.7	19.4	4,844	4,111	14.5	23.4	
	7	24	1,769	1,315	4.0	0.1	2,123	1,546	4.3	0.8	2,553	1,830	5.3	3.0	2,805	1,955	5.8	4.1
		25	2,005	1,547	4.6	1.4	2,406	1,819	4.9	2.2	2,893	2,153	6.1	4.6	3,179	2,300	6.6	5.9
		26	2,194	1,740	5.2	2.7	2,632	2,046	5.6	3.5	3,165	2,423	6.8	6.3	3,479	2,587	7.5	7.8
		27	2,359	1,934	5.8	4.0	2,831	2,274	6.2	4.9	3,403	2,692	7.6	8.0	3,740	2,875	8.3	9.6
		28	2,477	2,127	6.3	5.2	2,972	2,501	6.8	6.3	3,574	2,961	8.3	9.6	3,927	3,162	9.1	11.5
		29	2,595	2,340	6.9	6.5	3,114	2,751	7.4	7.6	3,744	3,257	9.1	11.3	4,114	3,478	10.0	13.3
	30	2,713	2,514	7.5	7.8	3,255	2,956	8.0	9.0	3,914	3,499	9.8	13.0	4,301	3,737	10.8	15.1	
	8	24	1,365	1,031	2.5	0.1	1,643	1,226	2.8	0.1	2,477	1,813	3.4	0.1	2,148	1,546	3.7	0.1
		25	1,547	1,213	2.9	0.1	1,862	1,443	3.2	0.1	2,807	2,132	3.8	0.1	2,435	1,819	4.2	0.5
26		1,692	1,364	3.3	0.1	2,037	1,623	3.5	0.1	3,071	2,399	4.3	0.8	2,664	2,046	4.7	1.6	
27		1,820	1,516	3.6	0.1	2,190	1,803	3.9	0.1	3,302	2,666	4.8	1.8	2,864	2,274	5.2	2.8	
28		1,911	1,667	4.0	0.1	2,300	1,983	4.3	0.8	3,467	2,932	5.3	2.9	3,007	2,501	5.7	3.9	
29		2,002	1,834	4.3	0.9	2,409	2,182	4.7	1.7	3,633	3,225	5.8	4.0	3,151	2,751	6.3	5.1	
30	2,093	1,970	4.7	1.7	2,519	2,344	5.1	2.6	3,798	3,465	6.2	5.0	3,294	2,956	6.8	6.2		
6	4	24	1,854	1,352	7.3	7.5	2,254	1,622	8.6	10.3	2,697	1,892	10.2	13.8	2,971	2,035	11.5	16.6
		25	2,101	1,590	8.4	9.8	2,555	1,908	9.8	13.0	3,056	2,226	11.7	17.0	3,367	2,395	13.1	20.3
		26	2,299	1,789	9.4	12.1	2,795	2,147	11.1	15.7	3,344	2,504	13.1	20.3	3,684	2,694	14.8	23.9
		27	2,472	1,988	10.5	14.4	3,006	2,385	12.3	18.5	3,596	2,783	14.6	23.5	3,961	2,993	16.4	27.5
		28	2,596	2,186	11.5	16.7	3,156	2,624	13.5	21.2	3,776	3,061	16.0	26.7	4,159	3,292	18.1	31.2
		29	2,719	2,405	12.6	19.1	3,306	2,886	14.8	23.9	3,955	3,367	17.5	29.9	4,357	3,622	19.7	34.8
	30	2,843	2,584	13.6	21.4	3,457	3,101	16.0	26.6	4,135	3,618	19.0	33.2	4,555	3,891	21.3	38.4	
	5	24	1,749	1,336	4.8	1.8	2,007	1,514	5.7	4.0	2,528	1,860	7.8	8.5	2,781	1,972	8.6	10.2
		25	1,982	1,571	5.5	3.3	2,274	1,782	6.6	5.8	2,865	2,189	8.9	10.9	3,152	2,320	9.8	12.9
		26	2,168	1,768	6.2	4.8	2,488	2,004	7.4	7.6	3,135	2,462	10.0	13.4	3,449	2,610	11.0	15.6
		27	2,332	1,964	6.8	6.4	2,675	2,227	8.2	9.4	3,371	2,736	11.1	15.8	3,708	2,900	12.2	18.3
		28	2,448	2,161	7.5	7.9	2,809	2,450	9.0	11.2	3,540	3,010	12.2	18.3	3,894	3,190	13.4	21.0
		29	2,565	2,377	8.2	9.4	2,943	2,695	9.9	13.0	3,708	3,310	13.3	20.8	4,079	3,509	14.7	23.7
	30	2,681	2,554	8.9	10.9	3,077	2,895	10.7	14.9	3,877	3,557	14.5	23.2	4,264	3,770	15.9	26.4	
	6	24	1,643	1,304	4.5	1.1	2,002	1,527	4.8	1.8	2,402	1,797	5.9	4.2	2,634	1,924	6.4	5.5
		25	1,862	1,534	5.1	2.5	2,268	1,796	5.5	3.3	2,722	2,114	6.7	6.1	2,985	2,264	7.4	7.5
		26	2,038	1,726	5.7	3.9	2,482	2,020	6.2	4.8	2,978	2,378	7.5	7.9	3,266	2,547	8.3	9.6
		27	2,191	1,917	6.4	5.4	2,669	2,245	6.8	6.4	3,202	2,642	8.4	9.8	3,511	2,829	9.2	11.6
		28	2,301	2,109	7.0	6.8	2,802	2,469	7.5	7.9	3,363	2,907	9.2	11.6	3,687	3,112	10.1	13.6
		29	2,410	2,320	7.7	8.2	2,936	2,716	8.2	9.4	3,523	3,197	10.1	13.5	3,863	3,424	11.1	15.7
	30	2,520	2,493	8.3	9.6	3,069	2,918	8.9	10.9	3,683	3,435	10.9	15.4	4,038	3,678	12.0	17.7	
	7	24	1,475	1,177	3.4	0.1	1,770	1,383	3.7	0.1	2,128	1,638	4.5	1.3	2,339	1,749	5.0	2.2
		25	1,671	1,384	3.9	0.1	2,006	1,628	4.2	0.6	2,412	1,927	5.2	2.7	2,650	2,058	5.7	3.8
		26	1,829	1,557	4.4	1.0	2,195	1,831	4.8	1.8	2,639	2,168	5.8	4.1	2,900	2,315	6.4	5.4
		27	1,966	1,730	4.9	2.1	2,360	2,034	5.3	2.9	2,837	2,409	6.5	5.6	3,118	2,572	7.1	7.0
		28	2,065	1,903	5.4	3.2	2,478	2,238	5.8	4.1	2,979	2,649	7.1	7.0	3,274	2,829	7.8	8.5
		29	2,163	2,094	5.9	4.3	2,596	2,462	6.3	5.3	3,121	2,914	7.8	8.4	3,430	3,112	8.5	10.1
	30	2,261	2,250	6.4	5.4	2,714	2,645	6.9	6.4	3,263	3,131	8.4	9.8	3,586	3,344	9.2	11.7	
	8	24	1,138	922	2.2	0.1	1,369	1,097	2.4	0.1	2,065	1,622	2.9	0.1	1,791	1,383	3.1	0.1
		25	1,289	1,085	2.5	0.1	1,552	1,291	2.7	0.1	2,340	1,908	3.3	0.1	2,030	1,628	3.6	0.1
26		1,411	1,221	2.8	0.1	1,698	1,452	3.0	0.1	2,560	2,147	3.7	0.1	2,221	1,831	4.0	0.1	
27		1,517	1,356	3.1	0.1	1,826	1,613	3.4	0.1	2,753	2,385	4.1	0.3	2,388	2,034	4.5	1.1	
28		1,593	1,492	3.4	0.1	1,917	1,775	3.7	0.1	2,891	2,624	4.5	1.2	2,507	2,238	4.9	2.1	
29		1,669	1,641	3.7	0.1	2,009	1,952	4.0	0.2	3,028	2,886	4.9	2.1	2,627	2,462	5.4	3.1	
30	1,744	1,722	4.0	0.2	2,100	2,049	4.4	0.9	3,166	3,029	5.3	3.0	2,746	2,584	5.8	4.1		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
7	4	24	1,682	1,226	7.0	6.8	2,045	1,471	7.5	7.8	2,446	1,716	9.2	11.6	2,695	1,846	10.2	13.7
		25	1,906	1,442	8.1	9.0	2,317	1,731	8.6	10.2	2,772	2,019	10.5	14.5	3,054	2,172	11.6	16.9
		26	2,085	1,623	9.1	11.3	2,536	1,947	9.7	12.6	3,033	2,272	11.9	17.5	3,341	2,443	13.1	20.1
		27	2,242	1,803	10.1	13.5	2,726	2,163	10.7	15.0	3,261	2,524	13.2	20.4	3,593	2,715	14.5	23.3
		28	2,354	1,983	11.1	15.7	2,863	2,380	11.8	17.3	3,425	2,776	14.5	23.3	3,772	2,986	16.0	26.5
		29	2,466	2,181	12.1	17.9	2,999	2,618	12.9	19.7	3,588	3,054	15.8	26.2	3,952	3,285	17.4	29.7
	30	2,579	2,344	13.1	20.2	3,135	2,812	13.9	22.1	3,751	3,281	17.1	29.1	4,132	3,529	18.9	32.9	
	24	1,586	1,212	4.4	1.0	1,911	1,442	5.2	2.7	2,293	1,687	6.3	5.2	2,523	1,788	6.9	6.6	
	25	1,798	1,425	5.0	2.4	2,166	1,697	5.9	4.3	2,599	1,985	7.2	7.2	2,859	2,104	7.9	8.8	
	26	1,967	1,603	5.7	3.8	2,370	1,909	6.7	6.0	2,844	2,233	8.1	9.2	3,128	2,367	8.9	11.0	
	27	2,115	1,782	6.3	5.1	2,548	2,121	7.4	7.6	3,058	2,482	9.0	11.2	3,363	2,630	9.9	13.2	
	28	2,221	1,960	6.9	6.5	2,675	2,333	8.1	9.2	3,210	2,730	9.9	13.2	3,532	2,893	10.9	15.4	
	29	2,326	2,156	7.5	7.9	2,803	2,566	8.9	10.9	3,363	3,003	10.8	15.2	3,700	3,182	11.9	17.6	
	30	2,432	2,316	8.2	9.3	2,930	2,757	9.6	12.5	3,516	3,226	11.7	17.2	3,868	3,419	12.9	19.7	
	24	1,491	1,183	3.6	0.1	1,815	1,385	3.9	0.1	2,179	1,630	4.8	1.8	2,389	1,745	5.2	2.8	
	25	1,689	1,391	4.1	0.4	2,058	1,629	4.4	1.1	2,469	1,917	5.4	3.3	2,707	2,053	6.0	4.5	
	26	1,848	1,565	4.7	1.5	2,251	1,833	5.0	2.3	2,701	2,157	6.1	4.8	2,962	2,310	6.7	6.1	
	27	1,987	1,739	5.2	2.7	2,421	2,036	5.6	3.5	2,905	2,397	6.8	6.3	3,185	2,566	7.5	7.8	
	28	2,087	1,913	5.7	3.8	2,542	2,240	6.1	4.7	3,050	2,636	7.5	7.8	3,344	2,823	8.2	9.4	
	29	2,186	2,104	6.2	5.0	2,663	2,464	6.7	6.0	3,195	2,900	8.2	9.3	3,504	3,105	9.0	11.1	
	30	2,286	2,261	6.7	6.1	2,784	2,647	7.2	7.2	3,340	3,116	8.9	10.8	3,663	3,336	9.7	12.7	
	24	1,338	1,067	2.8	0.1	1,605	1,255	3.0	0.1	1,930	1,486	3.7	0.1	2,121	1,587	4.0	0.2	
	25	1,516	1,256	3.2	0.1	1,819	1,476	3.4	0.1	2,187	1,748	4.2	0.5	2,404	1,866	4.6	1.5	
	26	1,659	1,413	3.6	0.1	1,990	1,661	3.9	0.1	2,393	1,966	4.7	1.7	2,630	2,100	5.2	2.7	
	27	1,784	1,570	4.0	0.1	2,140	1,845	4.3	0.7	2,573	2,185	5.3	2.9	2,828	2,333	5.8	4.0	
	28	1,873	1,726	4.4	1.0	2,247	2,030	4.7	1.7	2,702	2,403	5.8	4.0	2,970	2,566	6.3	5.3	
	29	1,962	1,899	4.8	1.8	2,354	2,233	5.2	2.6	2,831	2,643	6.3	5.2	3,111	2,823	6.9	6.6	
	30	2,051	2,040	5.2	2.7	2,461	2,399	5.6	3.6	2,960	2,840	6.8	6.3	3,253	3,033	7.5	7.8	
	24	1,032	837	1.8	0.1	1,242	995	1.9	0.1	1,873	1,471	2.3	0.1	1,624	1,255	2.5	0.1	
	25	1,170	984	2.0	0.1	1,408	1,171	2.2	0.1	2,122	1,731	2.7	0.1	1,841	1,476	2.9	0.1	
26	1,280	1,107	2.3	0.1	1,540	1,317	2.5	0.1	2,322	1,947	3.0	0.1	2,014	1,661	3.3	0.1		
27	1,376	1,230	2.5	0.1	1,656	1,463	2.7	0.1	2,497	2,163	3.3	0.1	2,166	1,845	3.6	0.1		
28	1,445	1,353	2.8	0.1	1,739	1,610	3.0	0.1	2,622	2,380	3.7	0.1	2,274	2,030	4.0	0.1		
29	1,514	1,489	3.0	0.1	1,822	1,771	3.3	0.1	2,747	2,618	4.0	0.1	2,382	2,233	4.4	0.9		
30	1,582	1,562	3.3	0.1	1,905	1,859	3.6	0.1	2,872	2,748	4.3	0.8	2,491	2,343	4.7	1.7		
8	4	24	1,362	1,038	6.6	5.9	1,656	1,245	7.1	6.9	1,981	1,453	8.7	10.4	2,183	1,563	9.6	12.4
		25	1,544	1,221	7.6	8.0	1,877	1,465	8.1	9.1	2,246	1,709	9.9	13.2	2,474	1,838	10.9	15.4
		26	1,689	1,373	8.5	10.1	2,054	1,648	9.1	11.3	2,457	1,923	11.2	15.9	2,706	2,068	12.3	18.4
		27	1,816	1,526	9.5	12.2	2,208	1,831	10.1	13.6	2,642	2,136	12.4	18.6	2,910	2,298	13.6	21.4
		28	1,907	1,679	10.4	14.3	2,319	2,014	11.1	15.8	2,774	2,350	13.6	21.4	3,056	2,528	15.0	24.4
		29	1,998	1,846	11.4	16.4	2,429	2,216	12.1	18.0	2,906	2,585	14.9	24.1	3,201	2,780	16.4	27.4
	30	2,089	1,984	12.3	18.5	2,540	2,380	13.1	20.3	3,038	2,777	16.1	26.9	3,347	2,987	17.7	30.5	
	24	1,285	1,025	4.1	0.4	1,720	1,327	5.0	2.4	1,857	1,428	5.9	4.4	2,043	1,514	6.5	5.7	
	25	1,456	1,206	4.7	1.7	1,949	1,561	5.7	3.9	2,105	1,680	6.8	6.3	2,316	1,781	7.5	7.7	
	26	1,593	1,357	5.3	3.0	2,133	1,756	6.5	5.5	2,303	1,890	7.6	8.1	2,534	2,003	8.4	9.8	
	27	1,713	1,508	5.9	4.3	2,293	1,951	7.2	7.1	2,477	2,100	8.5	10.0	2,724	2,226	9.3	11.9	
	28	1,799	1,659	6.5	5.6	2,408	2,146	7.9	8.7	2,600	2,310	9.3	11.9	2,861	2,449	10.3	13.9	
	29	1,884	1,825	7.1	6.9	2,523	2,361	8.6	10.3	2,724	2,541	10.2	13.8	2,997	2,694	11.2	16.0	
	30	1,970	1,960	7.7	8.3	2,637	2,537	9.3	11.9	2,848	2,731	11.0	15.7	3,133	2,894	12.1	18.1	
	24	1,207	1,001	3.4	0.1	1,471	1,172	3.7	0.1	1,765	1,379	4.5	1.2	1,935	1,477	4.9	2.1	
	25	1,368	1,178	3.9	0.1	1,667	1,379	4.2	0.5	2,000	1,623	5.1	2.6	2,193	1,738	5.6	3.7	
	26	1,497	1,325	4.4	0.9	1,823	1,551	4.7	1.6	2,188	1,826	5.8	4.0	2,399	1,955	6.3	5.2	
	27	1,610	1,472	4.9	2.0	1,961	1,723	5.2	2.8	2,353	2,029	6.4	5.4	2,580	2,172	7.0	6.8	
	28	1,690	1,619	5.4	3.1	2,059	1,896	5.7	3.9	2,470	2,231	7.0	6.8	2,709	2,389	7.7	8.3	
	29	1,771	1,708	5.8	4.2	2,157	1,999	6.3	5.1	2,588	2,353	7.7	8.2	2,838	2,520	8.4	9.9	
	30	1,851	1,811	6.3	5.3	2,255	2,189	6.8	6.3	2,706	2,576	8.3	9.7	2,967	2,759	9.1	11.5	
	24	1,084	903	2.6	0.1	1,300	1,062	2.8	0.1	1,563	1,257	3.5	0.1	1,718	1,343	3.8	0.1	
	25	1,228	1,063	3.0	0.1	1,474	1,249	3.2	0.1	1,772	1,479	4.0	0.1	1,947	1,580	4.3	0.8	
	26	1,344	1,196	3.4	0.1	1,612	1,406	3.6	0.1	1,939	1,664	4.4	1.1	2,131	1,777	4.9	2.0	
	27	1,445	1,328	3.8	0.1	1,734	1,562	4.0	0.2	2,085	1,849	4.9	2.2	2,291	1,975	5.4	3.2	
	28	1,517	1,461	4.1	0.4	1,820	1,718	4.4	1.1	2,189	2,034	5.4	3.3	2,405	2,172	6.0	4.5	
	29	1,589	1,541	4.5	1.2	1,907	1,812	4.8	2.0	2,293	2,145	5.9	4.4	2,520	2,291	6.5	5.7	
	30	1,661	1,634	4.9	2.0	1,994	1,921	5.2	2.8	2,397	2,274	6.4	5.5	2,635	2,468	7.1	6.9	
	24	836	708	1.7	0.1	1,006	842	1.8	0.1	1,517	1,245	2.2	0.1	1,316	1,062	2.4	0.1	
	25	947	833	1.9	0.1	1,140	991	2.1	0.1	1,719	1,465	2.5	0.1	1,491	1,249	2.7	0.1	
26	1,036	937	2.1	0.1	1,248	1,115	2.3	0.1	1,881	1,648	2.8	0.1	1,631	1,406	3.1	0.1		
27	1,114	1,041	2.4	0.1	1,342	1,239	2.6	0.1	2,023	1,831	3.1	0.1	1,754	1,562	3.4	0.1		
28	1,170	1,145	2.6	0.1	1,409	1,363	2.8	0.1	2,124	2,014	3.4	0.1	1,842	1,718	3.8	0.1		
29	1,226	1,208	2.8	0.1	1,476	1,437	3.1	0.1	2,225	2,124	3.8	0.1	1,930	1,812	4.1	0.3		
30	1,282	1,270	3.1	0.1	1,543	1,511	3.3	0.1	2,326	2,234	4.1	0.2	2,017	1,921	4.4	1.0		

Note  
1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	1,131	886	5.6	3.6	1,375	1,063	5.9	4.4	1,645	1,240	7.3	7.4	1,812	1,334	8.0	9.0
		25	1,282	1,042	6.4	5.3	1,558	1,250	6.8	6.3	1,864	1,459	8.3	9.7	2,053	1,569	9.2	11.6
		26	1,402	1,172	7.2	7.1	1,705	1,407	7.6	8.2	2,039	1,641	9.4	12.0	2,247	1,765	10.3	14.1
		27	1,508	1,303	8.0	8.9	1,833	1,563	8.5	10.0	2,193	1,824	10.4	14.3	2,416	1,962	11.5	16.6
		28	1,583	1,433	8.8	10.6	1,925	1,719	9.3	11.9	2,303	2,006	11.5	16.6	2,537	2,158	12.6	19.2
		29	1,658	1,576	9.6	12.4	2,017	1,891	10.2	13.8	2,412	2,207	12.5	18.9	2,657	2,373	13.8	21.7
	30	1,734	1,693	10.4	14.2	2,108	2,032	11.0	15.7	2,522	2,371	13.6	21.2	2,778	2,550	14.9	24.3	
	5	24	1,067	875	3.5	0.1	1,567	1,226	4.6	1.4	1,542	1,219	5.0	2.3	1,696	1,292	5.5	3.4
		25	1,209	1,030	4.0	0.1	1,776	1,442	5.3	2.9	1,748	1,434	5.7	3.9	1,922	1,520	6.3	5.1
		26	1,322	1,159	4.5	1.2	1,943	1,623	5.9	4.3	1,912	1,614	6.4	5.5	2,103	1,710	7.1	6.9
		27	1,422	1,287	5.0	2.3	2,089	1,803	6.6	5.8	2,056	1,793	7.2	7.1	2,262	1,900	7.9	8.6
		28	1,493	1,416	5.5	3.4	2,194	1,983	7.2	7.3	2,159	1,972	7.9	8.6	2,375	2,090	8.6	10.3
		29	1,564	1,493	6.0	4.5	2,298	2,091	7.9	8.7	2,262	2,080	8.6	10.2	2,488	2,204	9.4	12.1
	30	1,635	1,570	6.5	5.6	2,403	2,199	8.6	10.2	2,364	2,187	9.3	11.8	2,601	2,318	10.2	13.8	
	6	24	1,002	854	2.9	0.1	1,221	1,000	3.1	0.1	1,465	1,178	3.8	0.1	1,606	1,261	4.1	0.4
		25	1,136	1,005	3.3	0.1	1,383	1,177	3.5	0.1	1,660	1,385	4.3	0.8	1,820	1,483	4.7	1.7
		26	1,243	1,131	3.7	0.1	1,514	1,324	4.0	0.1	1,816	1,558	4.9	2.0	1,992	1,669	5.3	3.0
		27	1,336	1,257	4.1	0.3	1,628	1,471	4.4	1.0	1,953	1,732	5.4	3.2	2,142	1,854	5.9	4.3
		28	1,403	1,345	4.5	1.2	1,709	1,574	4.8	1.9	2,051	1,853	5.9	4.4	2,249	1,984	6.5	5.6
		29	1,470	1,420	4.9	2.1	1,790	1,662	5.3	2.9	2,148	1,957	6.5	5.5	2,356	2,095	7.1	6.9
	30	1,537	1,508	5.3	3.0	1,872	1,765	5.7	3.9	2,246	2,078	7.0	6.7	2,463	2,225	7.7	8.3	
	7	24	899	771	2.2	0.1	1,079	907	2.4	0.1	1,298	1,073	2.9	0.1	1,426	1,146	3.2	0.1
		25	1,019	907	2.5	0.1	1,223	1,067	2.7	0.1	1,471	1,263	3.3	0.1	1,616	1,349	3.7	0.1
		26	1,115	1,021	2.8	0.1	1,338	1,200	3.1	0.1	1,609	1,421	3.7	0.1	1,769	1,517	4.1	0.3
		27	1,199	1,134	3.2	0.1	1,439	1,333	3.4	0.1	1,730	1,578	4.2	0.4	1,902	1,686	4.6	1.4
		28	1,259	1,213	3.5	0.1	1,511	1,427	3.7	0.1	1,817	1,689	4.6	1.4	1,997	1,804	5.0	2.4
		29	1,319	1,281	3.8	0.1	1,583	1,507	4.1	0.3	1,903	1,784	5.0	2.3	2,092	1,905	5.5	3.4
	30	1,379	1,361	4.1	0.3	1,655	1,600	4.4	1.0	1,990	1,894	5.4	3.2	2,187	2,023	5.9	4.4	
	8	24	694	604	1.4	0.1	835	719	1.5	0.1	1,259	1,063	1.8	0.1	1,092	907	2.0	0.1
		25	786	711	1.6	0.1	947	846	1.7	0.1	1,427	1,250	2.1	0.1	1,238	1,067	2.3	0.1
26		860	800	1.8	0.1	1,036	952	2.0	0.1	1,561	1,407	2.4	0.1	1,354	1,200	2.6	0.1	
27		925	889	2.0	0.1	1,114	1,057	2.2	0.1	1,679	1,563	2.6	0.1	1,456	1,333	2.9	0.1	
28		971	951	2.2	0.1	1,169	1,131	2.4	0.1	1,763	1,672	2.9	0.1	1,529	1,427	3.2	0.1	
29		1,018	1,004	2.4	0.1	1,225	1,195	2.6	0.1	1,847	1,766	3.2	0.1	1,602	1,507	3.4	0.1	
30	1,064	1,067	2.6	0.1	1,281	1,269	2.8	0.1	1,931	1,876	3.4	0.1	1,675	1,600	3.7	0.1		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)



# 5. Capacity Tables

## ◆ WFA032RG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
5	4	24	3,146	1,991	9.8	13.0	3,435	2,256	10.8	15.1	4,110	2,632	12.2	18.2	4,527	2,831	14.1	22.3
		25	3,566	2,342	11.2	16.1	3,894	2,654	12.3	18.5	4,658	3,097	13.9	22.0	5,131	3,331	16.1	26.8
		26	3,902	2,635	12.7	19.2	4,260	2,986	13.9	21.9	5,096	3,484	15.7	25.9	5,614	3,747	18.1	31.2
		27	4,195	2,927	14.1	22.3	4,581	3,318	15.4	25.3	5,480	3,871	17.4	29.7	6,036	4,164	20.1	35.7
		28	4,405	3,220	15.5	25.4	4,810	3,650	16.9	28.7	5,754	4,258	19.2	33.6	6,338	4,580	22.1	40.1
		29	4,615	3,542	16.9	28.6	5,039	4,015	18.5	32.1	6,028	4,684	20.9	37.4	6,640	5,038	24.1	44.5
	30	4,825	3,806	18.3	31.7	5,268	4,313	20.0	35.5	6,302	5,032	22.6	41.3	6,942	5,413	26.1	49.0	
	5	24	2,665	1,833	7.0	6.8	2,792	1,993	7.8	8.5	3,853	2,588	10.3	14.0	4,238	2,743	12.2	18.2
		25	3,020	2,157	8.0	9.0	3,164	2,344	8.9	11.0	4,367	3,045	11.8	17.3	4,803	3,227	13.9	22.0
		26	3,304	2,426	9.0	11.2	3,462	2,637	10.0	13.4	4,778	3,425	13.3	20.6	5,255	3,630	15.7	25.9
		27	3,553	2,696	10.0	13.4	3,723	2,930	11.2	15.9	5,137	3,806	14.7	23.8	5,651	4,033	17.4	29.7
		28	3,731	2,966	11.0	15.7	3,909	3,223	12.3	18.4	5,394	4,186	16.2	27.1	5,933	4,437	19.2	33.6
		29	3,908	3,262	12.1	17.9	4,095	3,546	13.4	20.9	5,651	4,605	17.7	30.3	6,216	4,880	20.9	37.4
	30	4,086	3,505	13.1	20.1	4,281	3,810	14.5	23.3	5,908	4,947	19.2	33.6	6,498	5,243	22.6	41.3	
	6	24	2,504	1,769	6.1	4.7	3,050	2,123	7.3	7.4	3,660	2,499	8.6	10.3	4,013	2,676	9.8	13.0
		25	2,838	2,082	7.0	6.6	3,457	2,498	8.4	9.7	4,148	2,940	9.9	13.0	4,548	3,149	11.2	16.1
		26	3,105	2,342	7.8	8.6	3,782	2,810	9.4	12.0	4,539	3,308	11.1	15.8	4,977	3,542	12.7	19.2
		27	3,339	2,602	8.7	10.5	4,067	3,123	10.4	14.3	4,880	3,676	12.3	18.5	5,351	3,936	14.1	22.3
		28	3,506	2,862	9.6	12.4	4,270	3,435	11.5	16.6	5,124	4,043	13.6	21.2	5,619	4,329	15.5	25.4
		29	3,673	3,149	10.4	14.3	4,474	3,778	12.5	19.0	5,368	4,447	14.8	23.9	5,886	4,762	16.9	28.6
	30	3,840	3,383	11.3	16.3	4,677	4,059	13.6	21.3	5,612	4,778	16.0	26.7	6,154	5,117	18.3	31.7	
	7	24	2,247	1,637	5.1	2.4	2,697	1,924	5.4	3.3	3,243	2,278	6.7	6.0	3,564	2,433	7.3	7.4
		25	2,547	1,926	5.8	4.0	3,057	2,264	6.2	5.0	3,675	2,680	7.6	8.1	4,039	2,862	8.4	9.7
		26	2,787	2,166	6.5	5.6	3,344	2,547	7.0	6.7	4,021	3,015	8.6	10.2	4,419	3,220	9.4	12.0
		27	2,997	2,407	7.2	7.2	3,596	2,830	7.8	8.4	4,324	3,350	9.5	12.3	4,752	3,578	10.4	14.3
		28	3,146	2,648	8.0	8.8	3,776	3,113	8.5	10.1	4,540	3,685	10.5	14.4	4,989	3,936	11.5	16.6
		29	3,296	2,913	8.7	10.4	3,956	3,424	9.3	11.9	4,756	4,054	11.4	16.5	5,227	4,329	12.5	19.0
	30	3,446	3,129	9.4	12.0	4,135	3,679	10.1	13.6	4,972	4,355	12.4	18.6	5,465	4,651	13.6	21.3	
	8	24	1,734	1,283	3.2	0.1	2,087	1,526	3.5	0.1	3,146	2,256	4.2	0.6	2,729	1,924	4.6	1.4
		25	1,965	1,509	3.6	0.1	2,365	1,796	4.0	0.0	3,566	2,654	4.8	1.9	3,093	2,264	5.2	2.8
26		2,150	1,698	4.1	0.3	2,588	2,020	4.5	1.1	3,902	2,986	5.4	3.2	3,384	2,547	5.9	4.3	
27		2,312	1,887	4.6	1.3	2,783	2,244	5.0	2.2	4,195	3,318	6.0	4.6	3,639	2,830	6.6	5.8	
28		2,427	2,075	5.0	2.3	2,922	2,469	5.5	3.3	4,405	3,650	6.6	5.9	3,821	3,113	7.2	7.2	
29		2,543	2,283	5.5	3.3	3,061	2,716	5.9	4.4	4,615	4,015	7.2	7.2	4,003	3,424	7.9	8.7	
30	2,658	2,453	5.9	4.3	3,200	2,918	6.4	5.5	4,825	4,313	7.8	8.6	4,185	3,679	8.5	10.1		
6	4	24	2,355	1,682	9.2	11.6	2,864	2,019	10.8	15.2	3,426	2,355	12.8	19.6	3,774	2,533	14.4	23.2
		25	2,669	1,979	10.5	14.6	3,246	2,375	12.4	18.6	3,883	2,771	14.7	23.7	4,277	2,980	16.5	27.7
		26	2,921	2,227	11.9	17.5	3,551	2,672	13.9	22.0	4,248	3,117	16.5	27.7	4,680	3,353	18.6	32.3
		27	3,141	2,474	13.2	20.4	3,819	2,969	15.5	25.4	4,568	3,464	18.3	31.8	5,032	3,726	20.6	36.8
		28	3,298	2,721	14.5	23.3	4,010	3,266	17.0	28.9	4,796	3,810	20.2	35.8	5,284	4,098	22.7	41.4
		29	3,455	2,994	15.8	26.2	4,200	3,592	18.6	32.3	5,025	4,191	22.0	39.9	5,535	4,508	24.8	46.0
	30	3,612	3,216	17.1	29.1	4,391	3,859	20.1	35.7	5,253	4,503	23.8	43.9	5,787	4,843	26.8	50.5	
	5	24	2,222	1,663	6.0	4.5	2,549	1,885	7.2	7.2	3,212	2,316	9.8	12.9	3,533	2,454	10.7	15.0
		25	2,518	1,956	6.9	6.4	2,889	2,218	8.3	9.5	3,640	2,724	11.2	16.0	4,004	2,887	12.3	18.4
		26	2,755	2,200	7.7	8.3	3,161	2,495	9.3	11.8	3,983	3,065	12.6	19.1	4,381	3,248	13.8	21.8
		27	2,962	2,445	8.6	10.2	3,399	2,772	10.3	14.1	4,283	3,405	14.0	22.2	4,711	3,609	15.4	25.2
		28	3,110	2,689	9.5	12.1	3,569	3,049	11.4	16.3	4,497	3,746	15.4	25.2	4,946	3,970	16.9	28.6
		29	3,258	2,958	10.3	14.0	3,739	3,354	12.4	18.6	4,711	4,121	16.8	28.3	5,182	4,367	18.4	32.0
	30	3,406	3,178	11.2	15.9	3,909	3,604	13.4	20.9	4,925	4,427	18.2	31.4	5,417	4,692	20.0	35.4	
	6	24	2,088	1,623	5.6	3.7	2,543	1,900	6.0	4.5	3,051	2,237	7.4	7.6	3,346	2,395	8.1	9.2
		25	2,366	1,909	6.4	5.4	2,882	2,235	6.9	6.4	3,458	2,631	8.4	9.9	3,792	2,817	9.3	11.7
		26	2,589	2,148	7.2	7.2	3,153	2,515	7.7	8.3	3,784	2,960	9.5	12.2	4,149	3,170	10.4	14.3
		27	2,784	2,387	8.0	9.0	3,390	2,794	8.6	10.2	4,068	3,289	10.5	14.6	4,461	3,522	11.6	16.8
		28	2,923	2,625	8.8	10.7	3,560	3,074	9.5	12.1	4,272	3,618	11.6	16.9	4,684	3,874	12.7	19.4
		29	3,062	2,888	9.6	12.5	3,729	3,381	10.3	14.0	4,475	3,980	12.7	19.2	4,907	4,261	13.9	21.9
	30	3,201	3,103	10.4	14.3	3,899	3,632	11.2	15.9	4,679	4,276	13.7	21.5	5,130	4,578	15.0	24.5	
	7	24	1,874	1,465	4.3	0.8	2,248	1,722	4.7	1.5	2,703	2,039	5.7	3.8	2,971	2,177	6.3	5.1
		25	2,123	1,723	5.0	2.2	2,548	2,026	5.3	3.0	3,064	2,398	6.5	5.6	3,367	2,561	7.2	7.1
		26	2,323	1,938	5.6	3.6	2,788	2,279	6.0	4.5	3,352	2,698	7.3	7.4	3,684	2,881	8.0	9.0
		27	2,498	2,154	6.2	4.9	2,998	2,532	6.6	5.9	3,604	2,998	8.1	9.2	3,961	3,202	8.9	11.0
		28	2,623	2,369	6.8	6.3	3,148	2,785	7.3	7.4	3,785	3,298	8.9	11.0	4,159	3,522	9.8	13.0
		29	2,748	2,606	7.4	7.7	3,298	3,064	8.0	8.9	3,965	3,627	9.8	12.8	4,357	3,874	10.7	15.0
	30	2,873	2,800	8.0	9.0	3,447	3,292	8.6	10.3	4,145	3,897	10.6	14.6	4,556	4,162	11.6	16.9	
	8	24	1,445	1,148	2.7	0.1	1,740	1,366	3.0	0.1	2,623	2,019	3.6	0.1	2,275	1,722	3.9	0.1
		25	1,638	1,351	3.1	0.1	1,972	1,607	3.4	0.1	2,973	2,375	4.1	0.4	2,578	2,026	4.5	1.2
26		1,792	1,519	3.5	0.1	2,157	1,807	3.8	0.1	3,253	2,672	4.6	1.5	2,821	2,279	5.1	2.4	
27		1,927	1,688	3.9	0.1	2,320	2,008	4.2	0.6	3,497	2,969	5.2	2.6	3,033	2,532	5.6	3.7	
28		2,024	1,857	4.3	0.7	2,436	2,209	4.7	1.6	3,672	3,266	5.7	3.8	3,185	2,785	6.2	4.9	
29		2,120	2,043	4.7	1.6	2,552	2,430	5.1	2.5	3,847	3,592	6.2	4.9	3,337	3,064	6.7	6.1	
30	2,216	2,144	5.1	2.4	2,668	2,551	5.5	3.4	4,022	3,770	6.7	6.1	3,488	3,216	7.3	7.4		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
7	4	24	2,136	1,526	8.9	10.8	2,598	1,831	9.4	12.1	3,108	2,136	11.6	16.9	3,423	2,298	12.8	19.5
		25	2,421	1,795	10.1	13.6	2,944	2,154	10.8	15.1	3,522	2,513	13.2	20.5	3,880	2,703	14.6	23.5
		26	2,649	2,020	11.4	16.4	3,221	2,424	12.1	18.1	3,853	2,827	14.9	24.2	4,245	3,041	16.4	27.5
		27	2,849	2,244	12.6	19.2	3,464	2,693	13.5	21.1	4,143	3,142	16.6	27.8	4,564	3,379	18.2	31.5
		28	2,991	2,468	13.9	22.0	3,637	2,962	14.8	24.0	4,351	3,456	18.2	31.5	4,792	3,717	20.1	35.6
		29	3,133	2,715	15.2	24.8	3,810	3,258	16.2	27.0	4,558	3,801	19.9	35.2	5,021	4,089	21.9	39.6
	30	3,276	2,917	16.4	27.6	3,983	3,501	17.5	30.0	4,765	4,084	21.5	38.8	5,249	4,393	23.7	43.6	
	5	24	2,015	1,508	5.5	3.5	2,428	1,795	6.5	5.6	2,913	2,100	7.9	8.8	3,205	2,226	8.7	10.5
		25	2,284	1,774	6.3	5.2	2,751	2,112	7.4	7.7	3,302	2,471	9.1	11.3	3,632	2,619	10.0	13.3
		26	2,499	1,996	7.1	7.0	3,010	2,376	8.4	9.7	3,612	2,780	10.2	13.8	3,974	2,946	11.2	16.0
		27	2,687	2,218	7.9	8.7	3,237	2,640	9.3	11.8	3,884	3,089	11.3	16.3	4,273	3,274	12.5	18.8
		28	2,821	2,439	8.7	10.5	3,399	2,904	10.2	13.9	4,079	3,398	12.5	18.8	4,486	3,601	13.7	21.6
		29	2,955	2,683	9.5	12.2	3,561	3,194	11.2	15.9	4,273	3,737	13.6	21.3	4,700	3,961	15.0	24.3
	30	3,090	2,883	10.3	14.0	3,723	3,432	12.1	18.0	4,467	4,015	14.7	23.9	4,914	4,256	16.2	27.1	
	6	24	1,894	1,472	4.6	1.3	2,306	1,723	4.9	2.0	2,768	2,029	6.0	4.5	3,035	2,172	6.6	5.8
		25	2,146	1,732	5.2	2.8	2,614	2,028	5.6	3.6	3,137	2,387	6.8	6.4	3,439	2,556	7.5	7.9
		26	2,348	1,948	5.9	4.2	2,860	2,281	6.3	5.1	3,432	2,685	7.7	8.3	3,763	2,875	8.5	9.9
		27	2,525	2,165	6.5	5.6	3,075	2,534	7.0	6.7	3,690	2,983	8.6	10.2	4,046	3,194	9.4	12.0
		28	2,651	2,381	7.2	7.1	3,229	2,788	7.7	8.2	3,875	3,282	9.4	12.1	4,249	3,514	10.3	14.1
		29	2,777	2,619	7.8	8.5	3,383	3,067	8.4	9.7	4,059	3,610	10.3	13.9	4,451	3,865	11.3	16.2
	30	2,904	2,814	8.5	10.0	3,536	3,295	9.1	11.3	4,244	3,878	11.1	15.8	4,653	4,153	12.2	18.2	
	7	24	1,699	1,328	3.5	0.1	2,039	1,562	3.8	0.1	2,452	1,849	4.6	1.5	2,695	1,975	5.1	2.5
		25	1,926	1,563	4.0	0.1	2,311	1,837	4.3	0.8	2,779	2,175	5.3	2.9	3,054	2,323	5.8	4.1
		26	2,107	1,758	4.5	1.2	2,529	2,067	4.9	2.0	3,041	2,447	5.9	4.4	3,342	2,614	6.5	5.7
		27	2,266	1,954	5.0	2.3	2,719	2,297	5.4	3.2	3,269	2,719	6.6	5.8	3,593	2,904	7.3	7.3
		28	2,379	2,149	5.5	3.5	2,855	2,526	5.9	4.4	3,433	2,991	7.3	7.3	3,773	3,194	8.0	8.9
		29	2,492	2,364	6.0	4.6	2,991	2,779	6.5	5.6	3,596	3,290	7.9	8.8	3,952	3,514	8.7	10.5
	30	2,606	2,540	6.5	5.7	3,127	2,986	7.0	6.7	3,760	3,535	8.6	10.2	4,132	3,775	9.4	12.1	
	8	24	1,311	1,041	2.2	0.1	1,578	1,239	2.4	0.1	2,379	1,831	2.9	0.1	2,064	1,562	3.2	0.1
		25	1,486	1,225	2.5	0.1	1,788	1,457	2.8	0.1	2,696	2,154	3.3	0.1	2,339	1,837	3.6	0.1
26		1,626	1,378	2.8	0.1	1,957	1,639	3.1	0.1	2,950	2,424	3.8	0.1	2,559	2,067	4.1	0.3	
27		1,748	1,531	3.2	0.1	2,104	1,822	3.4	0.1	3,172	2,693	4.2	0.5	2,751	2,297	4.6	1.3	
28		1,835	1,684	3.5	0.1	2,209	2,004	3.8	0.1	3,331	2,962	4.6	1.4	2,889	2,526	5.0	2.3	
29		1,923	1,853	3.8	0.1	2,314	2,204	4.1	0.4	3,489	3,258	5.0	2.3	3,027	2,779	5.5	3.3	
8	4	24	2,010	1,945	4.1	0.3	2,420	2,313	4.5	1.1	3,648	3,420	5.4	3.3	3,164	2,917	5.9	4.3
		25	1,731	1,292	8.3	9.7	2,104	1,550	8.9	10.9	2,517	1,808	10.9	15.3	2,773	1,945	12.0	17.8
		26	1,961	1,519	9.5	12.3	2,385	1,823	10.2	13.7	2,853	2,127	12.5	18.8	3,142	2,288	13.7	21.6
		27	2,146	1,709	10.7	14.9	2,609	2,051	11.4	16.5	3,121	2,393	14.0	22.2	3,438	2,574	15.4	25.4
		28	2,307	1,899	11.9	17.6	2,806	2,279	12.7	19.3	3,356	2,659	15.6	25.7	3,697	2,860	17.2	29.2
		29	2,423	2,089	13.1	20.2	2,946	2,507	14.0	22.1	3,524	2,925	17.1	29.1	3,882	3,146	18.9	33.0
	30	2,538	2,298	14.3	22.8	3,086	2,758	15.2	24.9	3,692	3,217	18.7	32.6	4,067	3,461	20.6	36.7	
	5	24	2,653	2,469	15.5	25.4	3,226	2,963	16.5	27.7	3,860	3,457	20.2	36.0	4,252	3,718	22.3	40.5
		25	1,632	1,276	5.2	2.8	2,185	1,652	6.3	5.2	2,360	1,778	7.5	7.8	2,596	1,884	8.2	9.4
		26	1,850	1,502	6.0	4.4	2,476	1,943	7.2	7.2	2,674	2,091	8.5	10.1	2,942	2,217	9.4	12.0
		27	2,024	1,689	6.7	6.0	2,709	2,186	8.1	9.2	2,926	2,353	9.6	12.5	3,219	2,494	10.6	14.6
		28	2,176	1,877	7.4	7.7	2,913	2,429	9.0	11.2	3,146	2,614	10.7	14.8	3,461	2,771	11.7	17.2
		29	2,285	2,065	8.2	9.3	3,059	2,672	9.9	13.2	3,304	2,876	11.7	17.2	3,634	3,048	12.9	19.8
	30	2,394	2,271	8.9	11.0	3,205	2,939	10.8	15.2	3,461	3,163	12.8	19.6	3,807	3,353	14.1	22.4	
	6	24	2,503	2,440	9.7	12.6	3,350	3,157	11.7	17.2	3,618	3,399	13.9	21.9	3,980	3,602	15.2	24.9
		25	1,534	1,246	4.3	0.7	1,868	1,459	4.6	1.4	2,242	1,717	5.6	3.7	2,458	1,839	6.2	4.9
		26	1,738	1,466	4.9	2.1	2,117	1,716	5.3	2.9	2,541	2,020	6.4	5.5	2,786	2,163	7.1	6.9
		27	1,902	1,649	5.5	3.4	2,317	1,931	5.9	4.3	2,780	2,272	7.2	7.3	3,048	2,433	8.0	8.8
		28	2,045	1,832	6.1	4.8	2,491	2,145	6.6	5.8	2,989	2,525	8.1	9.0	3,277	2,704	8.8	10.8
		29	2,147	2,016	6.7	6.1	2,615	2,360	7.2	7.2	3,138	2,777	8.9	10.8	3,441	2,974	9.7	12.7
	30	2,250	2,125	7.4	7.5	2,740	2,488	7.9	8.7	3,288	2,929	9.7	12.6	3,605	3,136	10.6	14.7	
	7	24	2,352	2,254	8.0	8.8	2,865	2,724	8.5	10.1	3,437	3,207	10.5	14.4	3,769	3,434	11.5	16.6
		25	1,377	1,124	3.3	0.1	1,652	1,322	3.6	0.1	1,986	1,565	4.3	0.9	2,183	1,671	4.8	1.8
		26	1,560	1,323	3.8	0.1	1,872	1,555	4.1	0.2	2,251	1,841	5.0	2.2	2,474	1,966	5.5	3.3
		27	1,707	1,488	4.3	0.6	2,048	1,750	4.6	1.3	2,463	2,071	5.6	3.6	2,707	2,212	6.1	4.8
		28	1,835	1,654	4.7	1.7	2,202	1,944	5.1	2.5	2,648	2,302	6.2	5.0	2,910	2,458	6.8	6.3
		29	1,927	1,819	5.2	2.7	2,313	2,138	5.6	3.6	2,781	2,532	6.8	6.4	3,056	2,704	7.5	7.8
	8	24	2,019	1,918	5.7	3.8	2,423	2,255	6.1	4.7	2,913	2,670	7.5	7.7	3,201	2,851	8.2	9.4
		25	2,111	2,034	6.1	4.8	2,533	2,391	6.6	5.8	3,045	2,831	8.1	9.1	3,347	3,072	8.9	10.9
		26	1,062	881	2.1	0.1	1,278	1,048	2.3	0.1	1,927	1,550	2.8	0.1	1,672	1,322	3.0	0.1
27		1,203	1,037	2.4	0.1	1,449	1,233	2.6	0.1	2,184	1,823	3.2	0.1	1,894	1,555	3.4	0.1	
28		1,317	1,166	2.7	0.1	1,585	1,388	2.9	0.1	2,390	2,051	3.5	0.1	2,073	1,750	3.9	0.1	
29		1,416	1,296	3.0	0.1	1,704	1,542	3.2	0.1	2,570	2,279	3.9	0.1	2,229	1,944	4.3	0.7	
30	1,487	1,426	3.3	0.1	1,789	1,696	3.6	0.1	2,698	2,507	4.3	0.8	2,340	2,138	4.7	1.7		
30	1,557	1,503	3.6	0.1	1,875	1,788	3.9	0.1	2,826	2,644	4.7	1.7	2,452	2,255	5.1	2.6		
30	1,628	1,581	3.9	0.1	1,960	1,881	4.2	0.5	2,955	2,781	5.1	2.6	2,563	2,391	5.6	3.6		

Note  
1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	1,437	1,102	7.0	6.7	1,747	1,323	7.5	7.8	2,089	1,543	9.2	11.5	2,302	1,660	10.1	13.6
		25	1,628	1,297	8.0	9.0	1,980	1,556	8.5	10.1	2,368	1,816	10.5	14.4	2,609	1,953	11.6	16.8
		26	1,781	1,459	9.0	11.2	2,166	1,751	9.6	12.5	2,591	2,043	11.8	17.3	2,854	2,197	13.0	20.0
		27	1,915	1,621	10.0	13.4	2,329	1,946	10.7	14.9	2,786	2,270	13.1	20.2	3,069	2,441	14.4	23.2
		28	2,011	1,783	11.0	15.6	2,445	2,140	11.7	17.2	2,925	2,497	14.4	23.1	3,222	2,686	15.9	26.4
		29	2,107	1,962	12.0	17.8	2,562	2,354	12.8	19.6	3,065	2,746	15.7	26.0	3,376	2,954	17.3	29.5
	30	2,203	2,108	13.0	20.0	2,678	2,529	13.9	21.9	3,204	2,951	17.0	28.9	3,529	3,174	18.8	32.7	
	5	24	1,355	1,090	4.4	0.9	1,991	1,526	5.8	4.1	1,959	1,518	6.3	5.2	2,155	1,608	6.9	6.5
		25	1,536	1,282	5.0	2.3	2,256	1,795	6.6	5.9	2,220	1,785	7.2	7.1	2,442	1,892	7.9	8.7
		26	1,680	1,442	5.6	3.7	2,469	2,020	7.4	7.7	2,429	2,008	8.1	9.1	2,672	2,129	8.9	10.9
		27	1,807	1,602	6.3	5.1	2,654	2,244	8.3	9.5	2,612	2,232	9.0	11.1	2,873	2,365	9.9	13.1
		28	1,897	1,762	6.9	6.5	2,787	2,468	9.1	11.4	2,742	2,455	9.9	13.1	3,017	2,602	10.9	15.2
		29	1,987	1,859	7.5	7.9	2,920	2,603	9.9	13.2	2,873	2,589	10.8	15.1	3,160	2,744	11.8	17.4
	30	2,078	1,955	8.1	9.2	3,052	2,738	10.8	15.0	3,004	2,723	11.7	17.1	3,304	2,886	12.8	19.6	
	6	24	1,273	1,064	3.6	0.1	1,551	1,245	3.9	0.1	1,861	1,466	4.7	1.7	2,041	1,569	5.2	2.8
		25	1,443	1,251	4.1	0.4	1,758	1,465	4.4	1.0	2,109	1,724	5.4	3.2	2,313	1,846	6.0	4.4
		26	1,579	1,408	4.6	1.5	1,923	1,648	5.0	2.2	2,308	1,940	6.1	4.7	2,530	2,077	6.7	6.0
		27	1,698	1,564	5.2	2.6	2,068	1,831	5.5	3.5	2,481	2,155	6.8	6.2	2,721	2,308	7.4	7.7
		28	1,783	1,674	5.7	3.8	2,171	1,959	6.1	4.7	2,605	2,306	7.5	7.7	2,857	2,470	8.2	9.3
		29	1,867	1,767	6.2	4.9	2,275	2,069	6.6	5.9	2,729	2,436	8.1	9.2	2,993	2,608	8.9	11.0
	30	1,952	1,877	6.7	6.1	2,378	2,197	7.2	7.1	2,853	2,586	8.8	10.7	3,129	2,770	9.7	12.6	
	7	24	1,143	960	2.8	0.1	1,371	1,128	3.0	0.1	1,649	1,336	3.7	0.1	1,812	1,427	4.0	0.1
		25	1,295	1,129	3.2	0.1	1,554	1,328	3.4	0.1	1,869	1,572	4.2	0.5	2,054	1,679	4.6	1.4
		26	1,417	1,270	3.6	0.1	1,700	1,493	3.8	0.1	2,044	1,768	4.7	1.6	2,247	1,888	5.2	2.7
		27	1,524	1,411	4.0	0.0	1,828	1,659	4.3	0.7	2,198	1,965	5.2	2.8	2,416	2,098	5.7	3.9
		28	1,600	1,510	4.4	0.9	1,920	1,776	4.7	1.6	2,308	2,102	5.8	4.0	2,537	2,245	6.3	5.2
		29	1,676	1,595	4.8	1.8	2,011	1,875	5.1	2.6	2,418	2,220	6.3	5.1	2,658	2,371	6.9	6.5
	30	1,752	1,694	5.2	2.7	2,103	1,991	5.6	3.5	2,528	2,358	6.8	6.3	2,778	2,518	7.5	7.8	
	8	24	882	752	1.8	0.1	1,061	895	1.9	0.1	1,600	1,323	2.3	0.1	1,388	1,128	2.5	0.1
		25	999	885	2.0	0.1	1,203	1,053	2.2	0.1	1,813	1,556	2.7	0.1	1,573	1,328	2.9	0.1
26		1,093	996	2.3	0.1	1,316	1,184	2.5	0.1	1,984	1,751	3.0	0.1	1,721	1,493	3.2	0.1	
27		1,175	1,106	2.5	0.1	1,415	1,316	2.7	0.1	2,133	1,946	3.3	0.1	1,850	1,659	3.6	0.1	
28		1,234	1,184	2.8	0.1	1,486	1,408	3.0	0.1	2,240	2,082	3.6	0.1	1,943	1,776	4.0	0.0	
29		1,293	1,250	3.0	0.1	1,556	1,487	3.3	0.1	2,346	2,198	4.0	0.0	2,035	1,875	4.3	0.8	
30	1,352	1,328	3.3	0.1	1,627	1,579	3.5	0.1	2,453	2,335	4.3	0.8	2,128	1,991	4.7	1.6		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

## ◆ WFA039RG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
5	4	24	3,791	2,187	14.1	25.6	4,139	2,478	15.4	30.5	4,951	2,891	17.4	38.5	5,454	3,110	20.1	49.8
		25	4,296	2,573	16.1	33.1	4,691	2,916	17.6	39.2	5,612	3,402	19.9	48.9	6,182	3,659	23.0	62.5
		26	4,701	2,894	18.1	41.2	5,132	3,280	19.8	48.5	6,140	3,827	22.4	59.9	6,763	4,116	25.9	75.6
		27	5,055	3,216	20.1	49.8	5,519	3,645	22.0	58.2	6,602	4,252	24.9	71.2	7,272	4,574	28.7	88.6
		28	5,307	3,537	22.1	58.6	5,795	4,009	24.2	68.2	6,932	4,677	27.4	82.6	7,636	5,031	31.6	101.2
		29	5,560	3,891	24.1	67.7	6,071	4,410	26.4	78.2	7,262	5,145	29.9	93.7	8,000	5,534	34.5	113.0
	30	5,813	4,181	26.1	76.9	6,347	4,738	28.6	88.2	7,592	5,528	32.4	104.4	8,363	5,946	37.3	123.6	
	5	24	3,211	2,014	10.1	12.9	3,364	2,189	11.2	16.1	4,642	2,843	14.7	28.0	5,106	3,013	17.4	38.5
		25	3,639	2,369	11.5	17.0	3,812	2,575	12.8	21.1	5,261	3,344	16.9	36.1	5,787	3,545	19.9	48.9
		26	3,981	2,665	12.9	21.6	4,171	2,897	14.4	26.6	5,756	3,762	19.0	44.8	6,332	3,988	22.4	59.9
		27	4,281	2,961	14.4	26.6	4,485	3,219	16.0	32.6	6,189	4,181	21.1	53.9	6,808	4,431	24.9	71.2
		28	4,495	3,258	15.8	32.0	4,709	3,541	17.6	39.0	6,499	4,599	23.2	63.4	7,149	4,874	27.4	82.6
		29	4,709	3,583	17.2	37.7	4,934	3,895	19.2	45.6	6,808	5,058	25.3	73.0	7,489	5,361	29.9	93.7
	30	4,923	3,850	18.7	43.6	5,158	4,185	20.7	52.5	7,118	5,435	27.4	82.6	7,829	5,760	32.4	104.4	
	6	24	3,017	1,944	8.7	9.4	3,675	2,333	10.5	14.0	4,410	2,746	12.3	19.7	4,835	2,940	14.1	25.6
		25	3,420	2,287	10.0	12.6	4,165	2,744	12.0	18.5	4,998	3,230	14.1	25.7	5,480	3,459	16.1	33.1
		26	3,741	2,573	11.2	16.2	4,557	3,087	13.4	23.4	5,468	3,634	15.9	32.2	5,996	3,891	18.1	41.2
		27	4,023	2,858	12.4	20.1	4,900	3,430	14.9	28.7	5,880	4,038	17.6	39.2	6,447	4,323	20.1	49.8
		28	4,224	3,144	13.7	24.3	5,145	3,773	16.4	34.5	6,174	4,441	19.4	46.6	6,770	4,756	22.1	58.6
		29	4,425	3,459	14.9	28.7	5,390	4,151	17.9	40.5	6,468	4,885	21.1	54.3	7,092	5,231	24.1	67.7
	30	4,627	3,716	16.2	33.5	5,635	4,459	19.4	46.8	6,762	5,249	22.9	62.2	7,414	5,620	26.1	76.9	
	7	24	2,708	1,798	7.2	6.2	3,249	2,114	7.8	7.3	3,907	2,503	9.5	11.4	4,294	2,673	10.5	14.0
		25	3,069	2,115	8.3	8.4	3,683	2,487	8.9	9.9	4,428	2,944	10.9	15.2	4,866	3,144	12.0	18.5
		26	3,358	2,380	9.3	10.9	4,029	2,798	10.0	12.7	4,845	3,312	12.2	19.4	5,324	3,537	13.4	23.4
		27	3,610	2,644	10.3	13.7	4,333	3,109	11.1	15.9	5,209	3,680	13.6	23.9	5,725	3,930	14.9	28.7
		28	3,791	2,908	11.4	16.7	4,549	3,419	12.2	19.3	5,470	4,048	15.0	28.8	6,011	4,323	16.4	34.5
		29	3,971	3,199	12.4	19.9	4,766	3,761	13.3	23.0	5,730	4,453	16.3	34.0	6,298	4,756	17.9	40.5
	30	4,152	3,437	13.4	23.4	4,982	4,041	14.4	26.9	5,991	4,784	17.7	39.5	6,584	5,110	19.4	46.8	
	8	24	2,089	1,409	4.6	1.9	2,514	1,676	5.0	2.4	3,791	2,478	6.0	4.0	3,288	2,114	6.6	4.9
		25	2,367	1,658	5.2	2.8	2,850	1,972	5.7	3.4	4,296	2,916	6.9	5.5	3,726	2,487	7.5	6.7
26		2,590	1,865	5.9	3.7	3,118	2,219	6.4	4.6	4,701	3,280	7.8	7.3	4,077	2,798	8.4	8.8	
27		2,785	2,072	6.5	4.8	3,353	2,465	7.1	5.9	5,055	3,645	8.6	9.2	4,384	3,109	9.4	11.1	
28		2,924	2,280	7.2	6.0	3,520	2,712	7.8	7.3	5,307	4,009	9.5	11.3	4,603	3,419	10.3	13.6	
29		3,064	2,508	7.8	7.4	3,688	2,983	8.5	8.9	5,560	4,410	10.3	13.7	4,822	3,761	11.3	16.3	
30	3,203	2,694	8.5	8.8	3,855	3,205	9.2	10.7	5,813	4,738	11.2	16.2	5,042	4,041	12.2	19.3		
6	4	24	2,838	1,848	13.2	22.5	3,451	2,218	15.5	30.8	4,128	2,587	18.4	42.3	4,547	2,783	20.6	52.1
		25	3,216	2,174	15.1	29.3	3,911	2,609	17.7	39.6	4,678	3,044	21.0	53.5	5,153	3,274	23.6	65.3
		26	3,519	2,446	17.0	36.6	4,279	2,935	19.9	48.9	5,118	3,424	23.6	65.3	5,638	3,683	26.5	78.7
		27	3,784	2,718	18.8	44.3	4,601	3,261	22.1	58.6	5,504	3,805	26.2	77.2	6,063	4,092	29.5	92.0
		28	3,973	2,989	20.7	52.5	4,831	3,587	24.3	68.7	5,779	4,185	28.8	89.1	6,366	4,502	32.4	104.8
		29	4,162	3,288	22.6	60.9	5,061	3,946	26.5	78.7	6,054	4,604	31.5	100.6	6,669	4,952	35.4	116.5
	30	4,351	3,533	24.5	69.4	5,291	4,240	28.8	88.7	6,329	4,946	34.1	111.4	6,972	5,320	38.3	127.0	
	5	24	2,677	1,826	8.6	9.2	3,071	2,071	10.3	13.6	3,870	2,544	14.0	25.3	4,257	2,696	15.4	30.4
		25	3,033	2,149	9.8	12.3	3,481	2,436	11.8	18.0	4,386	2,993	16.0	32.7	4,824	3,172	17.6	39.0
		26	3,319	2,417	11.1	15.7	3,808	2,741	13.3	22.9	4,799	3,367	18.0	40.8	5,278	3,568	19.8	48.3
		27	3,569	2,686	12.3	19.5	4,095	3,045	14.8	28.1	5,160	3,741	20.0	49.2	5,676	3,965	22.0	57.9
		28	3,747	2,954	13.5	23.7	4,300	3,350	16.2	33.7	5,418	4,115	22.0	58.1	5,959	4,361	24.2	67.8
		29	3,926	3,250	14.7	28.0	4,505	3,684	17.7	39.6	5,676	4,526	24.0	67.1	6,243	4,797	26.4	77.8
	30	4,104	3,491	16.0	32.7	4,709	3,959	19.2	45.8	5,934	4,863	26.0	76.2	6,527	5,154	28.5	87.8	
	6	24	2,515	1,783	8.0	7.9	3,064	2,087	8.6	9.2	3,676	2,457	10.6	14.3	4,031	2,631	11.6	17.3
		25	2,851	2,097	9.2	10.6	3,472	2,455	9.8	12.3	4,166	2,890	12.1	18.8	4,568	3,095	13.2	22.7
		26	3,119	2,360	10.3	13.6	3,799	2,762	11.1	15.7	4,559	3,252	13.6	23.8	4,998	3,482	14.9	28.6
		27	3,354	2,622	11.5	17.0	4,085	3,069	12.3	19.5	4,902	3,613	15.1	29.3	5,375	3,869	16.6	34.9
		28	3,521	2,884	12.6	20.6	4,289	3,376	13.5	23.7	5,147	3,974	16.6	35.1	5,643	4,256	18.2	41.6
		29	3,689	3,172	13.8	24.5	4,493	3,714	14.7	28.0	5,392	4,372	18.1	41.2	5,912	4,681	19.9	48.7
	30	3,857	3,408	14.9	28.6	4,697	3,990	16.0	32.7	5,637	4,697	19.6	47.5	6,181	5,029	21.5	55.9	
	7	24	2,257	1,609	6.2	4.3	2,709	1,891	6.7	5.1	3,257	2,239	8.1	8.1	3,580	2,392	8.9	10.0
		25	2,558	1,893	7.1	5.9	3,070	2,225	7.6	6.9	3,691	2,635	9.3	10.9	4,057	2,814	10.2	13.3
		26	2,799	2,129	8.0	7.7	3,359	2,503	8.6	9.1	4,039	2,964	10.5	14.0	4,439	3,165	11.5	17.1
		27	3,010	2,366	8.8	9.8	3,612	2,782	9.5	11.4	4,343	3,293	11.6	17.5	4,773	3,517	12.8	21.2
		28	3,160	2,603	9.7	12.0	3,792	3,060	10.5	14.0	4,560	3,622	12.8	21.2	5,011	3,869	14.1	25.6
		29	3,311	2,863	10.6	14.5	3,973	3,366	11.4	16.8	4,777	3,985	14.0	25.2	5,250	4,256	15.3	30.2
	30	3,461	3,076	11.5	17.1	4,154	3,616	12.4	19.8	4,994	4,281	15.1	29.4	5,489	4,572	16.6	35.2	
	8	24	1,741	1,261	3.9	1.2	2,096	1,500	4.2	1.6	3,160	2,218	5.2	2.7	2,741	1,891	5.6	3.4
		25	1,974	1,484	4.5	1.8	2,376	1,765	4.9	2.3	3,582	2,609	5.9	3.8	3,107	2,225	6.4	4.7
26		2,159	1,669	5.0	2.5	2,599	1,985	5.5	3.1	3,919	2,935	6.6	5.0	3,399	2,503	7.2	6.2	
27		2,322	1,854	5.6	3.3	2,795	2,206	6.1	4.1	4,214	3,261	7.4	6.5	3,655	2,782	8.0	7.9	
28		2,438	2,040	6.1	4.2	2,935	2,427	6.7	5.1	4,424	3,587	8.1	8.0	3,838	3,060	8.8	9.7	
29		2,554	2,244	6.7	5.1	3,074	2,669	7.3	6.3	4,635	3,946	8.8	9.8	4,020	3,366	9.6	11.8	
30	2,670	2,355	7.2	6.2	3,214	2,802	7.9	7.5	4,846	4,142	9.6	11.6	4,203	3,533	10.4	13.9		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
7	4	24	2,574	1,676	12.7	20.8	3,130	2,011	13.5	23.6	3,744	2,347	16.6	35.0	4,124	2,524	18.2	41.8
		25	2,917	1,972	14.5	27.0	3,547	2,366	15.4	30.6	4,243	2,761	18.9	44.7	4,674	2,970	20.9	53.0
		26	3,192	2,219	16.3	33.9	3,881	2,662	17.4	38.2	4,643	3,106	21.3	55.0	5,114	3,341	23.5	64.7
		27	3,432	2,465	18.1	41.2	4,173	2,958	19.3	46.2	4,992	3,451	23.7	65.6	5,499	3,712	26.1	76.6
		28	3,604	2,712	19.9	48.8	4,382	3,254	21.2	54.6	5,242	3,796	26.0	76.4	5,774	4,083	28.7	88.4
		29	3,775	2,983	21.7	56.8	4,590	3,579	23.1	63.2	5,491	4,176	28.4	87.2	6,049	4,492	31.3	99.8
	30	3,947	3,205	23.5	64.9	4,799	3,845	25.1	72.0	5,741	4,486	30.8	97.6	6,324	4,826	33.9	110.7	
	24	2,428	1,656	7.9	7.6	2,925	1,972	9.3	10.9	3,510	2,307	11.4	16.6	3,861	2,445	12.5	20.1	
	25	2,751	1,949	9.0	10.2	3,315	2,320	10.6	14.5	3,978	2,714	13.0	21.8	4,376	2,877	14.3	26.3	
	26	3,010	2,192	10.2	13.2	3,627	2,610	12.0	18.5	4,352	3,054	14.6	27.5	4,788	3,236	16.0	32.9	
	27	3,237	2,436	11.3	16.5	3,900	2,900	13.3	22.9	4,680	3,393	16.2	33.7	5,148	3,596	17.8	40.1	
	28	3,399	2,680	12.4	20.0	4,095	3,190	14.6	27.6	4,914	3,732	17.8	40.2	5,405	3,956	19.6	47.6	
	29	3,561	2,948	13.6	23.8	4,290	3,509	16.0	32.6	5,148	4,106	19.5	47.0	5,663	4,351	21.4	55.4	
	30	3,723	3,167	14.7	27.9	4,485	3,770	17.3	37.9	5,382	4,411	21.1	54.1	5,920	4,675	23.2	63.4	
	24	2,282	1,617	6.5	4.8	2,779	1,893	7.0	5.7	3,335	2,228	8.6	9.1	3,656	2,386	9.4	11.1	
	25	2,586	1,902	7.4	6.6	3,149	2,227	8.0	7.8	3,779	2,622	9.8	12.2	4,144	2,807	10.7	14.8	
	26	2,829	2,140	8.4	8.6	3,446	2,506	9.0	10.1	4,135	2,949	11.0	15.6	4,534	3,158	12.1	18.9	
	27	3,042	2,378	9.3	10.9	3,705	2,784	10.0	12.7	4,446	3,277	12.2	19.4	4,875	3,509	13.4	23.4	
	28	3,194	2,616	10.2	13.4	3,890	3,062	11.0	15.5	4,668	3,605	13.5	23.4	5,119	3,860	14.8	28.1	
	29	3,346	2,877	11.2	16.1	4,076	3,369	12.0	18.5	4,891	3,965	14.7	27.8	5,363	4,246	16.1	33.2	
	30	3,498	3,091	12.1	18.9	4,261	3,619	13.0	21.8	5,113	4,260	15.9	32.4	5,606	4,562	17.5	38.6	
	24	2,048	1,459	5.0	2.5	2,457	1,716	5.4	3.0	2,954	2,031	6.6	5.0	3,247	2,169	7.3	6.2	
	25	2,321	1,717	5.7	3.5	2,785	2,018	6.2	4.2	3,348	2,390	7.6	6.8	3,680	2,552	8.3	8.5	
	26	2,539	1,931	6.5	4.7	3,047	2,271	6.9	5.6	3,663	2,688	8.5	8.9	4,026	2,871	9.3	11.0	
	27	2,730	2,146	7.2	6.1	3,276	2,523	7.7	7.2	3,939	2,987	9.4	11.3	4,329	3,190	10.4	13.8	
	28	2,867	2,361	7.9	7.6	3,440	2,775	8.5	8.9	4,136	3,286	10.4	13.8	4,545	3,509	11.4	16.8	
	29	3,003	2,597	8.6	9.2	3,604	3,053	9.3	10.8	4,333	3,614	11.3	16.5	4,762	3,860	12.4	20.1	
	30	3,140	2,790	9.3	11.0	3,767	3,280	10.0	12.8	4,530	3,883	12.3	19.5	4,978	4,147	13.5	23.5	
	24	1,580	1,144	3.2	0.6	1,901	1,361	3.4	0.8	2,867	2,011	4.2	1.5	2,486	1,716	4.6	1.9	
	25	1,790	1,346	3.6	1.0	2,155	1,601	3.9	1.2	3,249	2,366	4.8	2.2	2,818	2,018	5.2	2.8	
26	1,959	1,514	4.1	1.4	2,358	1,801	4.4	1.8	3,554	2,662	5.4	3.0	3,083	2,271	5.9	3.7		
27	2,106	1,682	4.5	1.9	2,535	2,001	4.9	2.4	3,822	2,958	6.0	3.9	3,315	2,523	6.5	4.8		
28	2,211	1,850	5.0	2.4	2,662	2,201	5.4	3.0	4,013	3,254	6.6	5.0	3,481	2,775	7.2	6.1		
29	2,317	2,035	5.4	3.1	2,789	2,421	5.9	3.8	4,204	3,579	7.2	6.1	3,647	3,053	7.8	7.4		
30	2,422	2,136	5.9	3.8	2,915	2,541	6.4	4.6	4,395	3,757	7.8	7.3	3,812	3,204	8.5	8.9		
8	4	24	2,085	1,419	11.9	18.3	2,535	1,702	12.7	20.9	3,033	1,986	15.6	31.2	3,341	2,136	17.2	37.4
		25	2,363	1,669	13.6	24.0	2,873	2,003	14.5	27.2	3,437	2,337	17.8	40.1	3,786	2,513	19.6	47.6
		26	2,585	1,878	15.3	30.2	3,144	2,253	16.3	34.1	3,760	2,629	20.0	49.5	4,142	2,828	22.1	58.4
		27	2,780	2,086	17.0	36.8	3,380	2,504	18.1	41.4	4,044	2,921	22.3	59.3	4,454	3,142	24.5	69.5
		28	2,919	2,295	18.7	43.8	3,549	2,754	20.0	49.1	4,246	3,213	24.5	69.4	4,677	3,456	27.0	80.7
		29	3,058	2,525	20.4	51.1	3,718	3,029	21.8	57.1	4,448	3,534	26.7	79.6	4,900	3,802	29.4	91.7
	30	3,197	2,712	22.1	58.7	3,887	3,255	23.6	65.3	4,650	3,797	29.0	89.6	5,122	4,084	31.9	102.4	
	24	1,966	1,402	7.4	6.6	2,633	1,814	9.0	10.2	2,843	1,953	10.7	14.6	3,127	2,070	11.7	17.8	
	25	2,229	1,649	8.5	9.0	2,984	2,134	10.3	13.6	3,222	2,297	12.2	19.3	3,544	2,435	13.4	23.3	
	26	2,438	1,856	9.6	11.6	3,264	2,401	11.6	17.4	3,525	2,585	13.7	24.4	3,878	2,739	15.1	29.3	
	27	2,622	2,062	10.6	14.5	3,510	2,668	12.9	21.5	3,791	2,872	15.3	30.0	4,170	3,044	16.8	35.8	
	28	2,753	2,268	11.7	17.7	3,686	2,935	14.2	26.0	3,980	3,159	16.8	35.9	4,378	3,348	18.4	42.6	
	29	2,884	2,495	12.8	21.1	3,861	3,228	15.5	30.8	4,170	3,475	18.3	42.1	4,587	3,683	20.1	49.8	
	30	3,015	2,680	13.8	24.7	4,037	3,468	16.8	35.8	4,359	3,733	19.8	48.6	4,795	3,957	21.8	57.2	
	24	1,848	1,369	6.1	4.2	2,251	1,602	6.6	4.9	2,701	1,886	8.1	7.9	2,962	2,020	8.8	9.8	
	25	2,094	1,610	7.0	5.7	2,551	1,885	7.5	6.7	3,061	2,219	9.2	10.7	3,356	2,376	10.1	13.0	
	26	2,292	1,811	7.9	7.5	2,791	2,121	8.4	8.8	3,349	2,496	10.4	13.7	3,672	2,673	11.4	16.7	
	27	2,464	2,013	8.8	9.5	3,001	2,356	9.4	11.1	3,601	2,774	11.5	17.1	3,949	2,970	12.6	20.7	
	28	2,587	2,214	9.6	11.8	3,151	2,592	10.3	13.6	3,781	3,051	12.7	20.8	4,146	3,267	13.9	25.0	
	29	2,710	2,335	10.5	14.1	3,301	2,733	11.3	16.3	3,961	3,217	13.8	24.7	4,344	3,445	15.2	29.6	
	30	2,834	2,476	11.4	16.7	3,451	2,993	12.2	19.3	4,141	3,523	15.0	28.9	4,541	3,772	16.4	34.5	
	24	1,658	1,235	4.7	2.1	1,990	1,452	5.1	2.6	2,393	1,719	6.2	4.3	2,630	1,836	6.8	5.4	
	25	1,880	1,453	5.4	3.0	2,256	1,708	5.8	3.6	2,712	2,023	7.1	5.9	2,981	2,160	7.8	7.4	
	26	2,057	1,635	6.1	4.1	2,468	1,922	6.5	4.9	2,967	2,275	8.0	7.8	3,261	2,430	8.8	9.6	
	27	2,211	1,816	6.8	5.3	2,654	2,135	7.3	6.2	3,191	2,528	8.9	9.8	3,506	2,700	9.8	12.1	
	28	2,322	1,998	7.4	6.6	2,786	2,349	8.0	7.8	3,350	2,781	9.8	12.1	3,682	2,970	10.7	14.8	
	29	2,432	2,107	8.1	8.0	2,919	2,477	8.7	9.4	3,510	2,933	10.7	14.6	3,857	3,132	11.7	17.7	
	30	2,543	2,234	8.8	9.6	3,052	2,627	9.4	11.2	3,669	3,110	11.6	17.2	4,032	3,375	12.7	20.8	
	24	1,279	968	3.0	0.5	1,540	1,152	3.2	0.7	2,322	1,702	3.9	1.3	2,014	1,452	4.3	1.6	
	25	1,450	1,139	3.4	0.8	1,745	1,355	3.7	1.0	2,631	2,003	4.5	1.9	2,282	1,708	4.9	2.3	
26	1,586	1,281	3.8	1.1	1,910	1,524	4.2	1.5	2,879	2,253	5.1	2.6	2,497	1,922	5.5	3.2		
27	1,706	1,424	4.3	1.6	2,053	1,694	4.6	2.0	3,096	2,504	5.6	3.4	2,685	2,135	6.1	4.2		
28	1,791	1,566	4.7	2.1	2,156	1,863	5.1	2.6	3,251	2,754	6.2	4.3	2,819	2,349	6.7	5.2		
29	1,876	1,651	5.1	2.6	2,259	1,965	5.6	3.3	3,405	2,904	6.8	5.3	2,954	2,477	7.4	6.4		
30	1,962	1,737	5.5	3.2	2,361	2,066	6.0	4.0	3,560	3,054	7.3	6.4	3,088	2,627	8.0	7.7		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	1,731	1,211	10.0	12.8	2,104	1,453	10.7	14.7	2,517	1,695	13.1	22.3	2,773	1,824	14.5	27.0
		25	1,962	1,425	11.5	16.9	2,385	1,710	12.2	19.3	2,853	1,995	15.0	29.0	3,143	2,146	16.5	34.8
		26	2,146	1,603	12.9	21.5	2,610	1,923	13.7	24.5	3,122	2,244	16.9	36.2	3,439	2,414	18.6	43.2
		27	2,308	1,781	14.3	26.5	2,806	2,137	15.3	30.0	3,357	2,493	18.8	43.9	3,698	2,682	20.6	52.1
		28	2,423	1,959	15.8	31.8	2,946	2,351	16.8	35.9	3,524	2,743	20.6	52.0	3,882	2,950	22.7	61.3
		29	2,538	2,155	17.2	37.5	3,087	2,586	18.3	42.2	3,692	3,017	22.5	60.4	4,067	3,245	24.8	70.7
	30	2,654	2,315	18.6	43.4	3,227	2,778	19.9	48.7	3,860	3,241	24.4	68.8	4,252	3,486	26.8	80.1	
	5	24	1,632	1,197	6.3	4.4	2,399	1,676	8.3	8.4	2,360	1,667	9.0	10.1	2,596	1,767	9.9	12.4
		25	1,850	1,408	7.2	6.0	2,718	1,972	9.5	11.3	2,675	1,961	10.3	13.5	2,942	2,078	11.3	16.4
		26	2,024	1,584	8.1	7.9	2,974	2,219	10.7	14.5	2,927	2,206	11.6	17.3	3,219	2,338	12.7	20.9
		27	2,177	1,760	9.0	10.0	3,198	2,465	11.8	18.1	3,147	2,451	12.9	21.4	3,462	2,598	14.1	25.8
		28	2,285	1,936	9.9	12.3	3,358	2,712	13.0	22.0	3,304	2,697	14.1	25.8	3,635	2,858	15.5	31.0
		29	2,394	2,042	10.7	14.8	3,518	2,859	14.2	26.1	3,462	2,844	15.4	30.6	3,808	3,014	16.9	36.5
	30	2,503	2,147	11.6	17.5	3,678	3,007	15.4	30.4	3,619	2,991	16.7	35.6	3,981	3,170	18.4	42.3	
	6	24	1,534	1,168	5.2	2.7	1,868	1,368	5.5	3.2	2,242	1,610	6.8	5.3	2,458	1,724	7.4	6.6
		25	1,739	1,374	5.9	3.8	2,118	1,609	6.3	4.5	2,541	1,894	7.8	7.3	2,786	2,028	8.5	9.0
		26	1,902	1,546	6.6	5.0	2,317	1,810	7.1	5.9	2,780	2,131	8.7	9.5	3,048	2,282	9.6	11.6
		27	2,045	1,718	7.4	6.5	2,491	2,011	7.9	7.6	2,989	2,368	9.7	11.9	3,278	2,535	10.6	14.5
		28	2,148	1,838	8.1	8.0	2,616	2,152	8.7	9.4	3,139	2,533	10.7	14.6	3,442	2,713	11.7	17.7
		29	2,250	1,941	8.8	9.8	2,740	2,273	9.5	11.3	3,288	2,675	11.6	17.5	3,606	2,865	12.8	21.1
	30	2,352	2,062	9.6	11.6	2,865	2,414	10.3	13.5	3,438	2,841	12.6	20.5	3,770	3,042	13.8	24.7	
	7	24	1,377	1,054	4.0	1.3	1,652	1,240	4.3	1.6	1,986	1,468	5.2	2.8	2,183	1,567	5.8	3.6
		25	1,560	1,240	4.6	1.9	1,872	1,458	4.9	2.3	2,251	1,726	6.0	3.9	2,474	1,844	6.6	4.9
		26	1,707	1,395	5.1	2.6	2,049	1,641	5.5	3.2	2,463	1,942	6.7	5.2	2,707	2,074	7.4	6.5
		27	1,836	1,550	5.7	3.5	2,203	1,823	6.1	4.1	2,649	2,158	7.5	6.7	2,911	2,305	8.2	8.3
		28	1,927	1,659	6.3	4.4	2,313	1,950	6.7	5.2	2,781	2,309	8.2	8.3	3,056	2,466	9.0	10.2
		29	2,019	1,752	6.8	5.4	2,423	2,060	7.3	6.4	2,913	2,439	9.0	10.1	3,202	2,604	9.9	12.3
	30	2,111	1,861	7.4	6.5	2,533	2,187	7.9	7.7	3,046	2,590	9.7	12.0	3,347	2,766	10.7	14.6	
	8	24	1,062	826	2.5	0.2	1,278	983	2.7	0.3	1,927	1,453	3.3	0.7	1,672	1,240	3.6	1.0
		25	1,204	972	2.9	0.4	1,449	1,157	3.1	0.6	2,184	1,710	3.8	1.1	1,895	1,458	4.1	1.4
26		1,317	1,094	3.2	0.6	1,585	1,301	3.5	0.9	2,390	1,923	4.3	1.6	2,073	1,641	4.6	2.0	
27		1,416	1,215	3.6	0.9	1,705	1,446	3.9	1.2	2,570	2,137	4.7	2.1	2,229	1,823	5.2	2.7	
28		1,487	1,300	3.9	1.3	1,790	1,547	4.3	1.6	2,698	2,287	5.2	2.8	2,340	1,950	5.7	3.4	
29		1,558	1,373	4.3	1.6	1,875	1,634	4.7	2.1	2,827	2,415	5.7	3.5	2,452	2,060	6.2	4.3	
30	1,628	1,458	4.7	2.0	1,960	1,735	5.1	2.6	2,955	2,565	6.2	4.2	2,563	2,187	6.7	5.2		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

## ◆ WFA055RG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
5	4	24	4,860	2,941	18.0	40.8	5,307	3,333	19.7	48.0	6,348	3,888	22.3	59.3	6,993	4,182	25.7	74.9
		25	5,508	3,460	20.6	51.7	6,014	3,921	22.5	60.4	7,194	4,575	25.5	73.8	7,925	4,921	29.4	91.5
		26	6,027	3,892	23.1	63.2	6,580	4,411	25.3	73.2	7,872	5,146	28.6	88.2	8,671	5,536	33.0	107.3
		27	6,480	4,325	25.7	74.9	7,075	4,901	28.2	86.0	8,464	5,718	31.8	102.1	9,324	6,151	36.7	121.4
		28	6,804	4,757	28.3	86.6	7,429	5,391	31.0	98.5	8,887	6,290	35.0	115.1	9,790	6,766	40.4	133.2
		29	7,128	5,233	30.8	97.9	7,783	5,931	33.8	110.2	9,310	6,919	38.2	126.5	10,256	7,442	44.1	141.8
	30	7,452	5,622	33.4	108.8	8,137	6,372	36.6	121.0	9,734	7,434	41.4	135.8	10,722	7,996	47.7	146.6	
	5	24	4,116	2,708	12.9	21.4	4,313	2,944	14.3	26.3	5,951	3,823	18.8	44.3	6,546	4,052	22.3	59.3
		25	4,665	3,186	14.7	27.8	4,888	3,463	16.3	34.0	6,745	4,498	21.5	56.1	7,419	4,767	25.5	73.8
		26	5,104	3,584	16.5	34.8	5,348	3,896	18.4	42.3	7,380	5,060	24.2	68.2	8,118	5,363	28.6	88.2
		27	5,488	3,983	18.4	42.3	5,750	4,329	20.4	51.0	7,935	5,622	26.9	80.5	8,729	5,958	31.8	102.1
		28	5,763	4,381	20.2	50.1	6,038	4,762	22.4	60.1	8,332	6,184	29.6	92.6	9,165	6,554	35.0	115.1
		29	6,037	4,819	22.0	58.2	6,325	5,238	24.5	69.3	8,729	6,803	32.3	104.2	9,601	7,210	38.2	126.5
	30	6,312	5,177	23.9	66.5	6,613	5,628	26.5	78.6	9,125	7,309	35.0	115.1	10,038	7,746	41.4	135.8	
	6	24	3,868	2,614	11.1	16.0	4,711	3,137	13.4	23.1	5,654	3,692	15.8	31.9	6,199	3,954	18.0	40.8
		25	4,384	3,075	12.7	21.0	5,340	3,690	15.3	30.0	6,408	4,344	18.0	40.9	7,026	4,651	20.6	51.7
		26	4,797	3,460	14.3	26.5	5,842	4,162	17.2	37.5	7,011	4,887	20.3	50.4	7,687	5,233	23.1	63.2
		27	5,158	3,844	15.9	32.4	6,282	4,613	19.1	45.4	7,538	5,430	22.5	60.4	8,266	5,814	25.7	74.9
		28	5,416	4,229	17.5	38.8	6,596	5,074	21.0	53.7	7,915	5,973	24.8	70.7	8,679	6,396	28.3	86.6
		29	5,674	4,651	19.1	45.4	6,910	5,582	22.9	62.2	8,292	6,570	27.0	80.9	9,092	7,035	30.8	97.9
	30	5,931	4,997	20.7	52.3	7,224	5,997	24.8	70.9	8,669	7,059	29.3	91.1	9,505	7,559	33.4	108.8	
	7	24	3,472	2,418	9.3	10.8	4,166	2,843	9.9	12.6	5,009	3,366	12.2	19.1	5,505	3,594	13.4	23.1
		25	3,934	2,845	10.6	14.3	4,721	3,344	11.4	16.6	5,677	3,959	13.9	25.0	6,239	4,229	15.3	30.0
		26	4,305	3,200	11.9	18.3	5,166	3,762	12.8	21.1	6,211	4,454	15.6	31.4	6,826	4,757	17.2	37.5
		27	4,629	3,556	13.2	22.6	5,555	4,181	14.2	26.0	6,679	4,949	17.4	38.3	7,340	5,286	19.1	45.4
		28	4,860	3,911	14.5	27.3	5,832	4,599	15.6	31.3	7,013	5,444	19.1	45.5	7,707	5,814	21.0	53.7
		29	5,092	4,303	15.9	32.2	6,110	5,058	17.0	36.9	7,346	5,989	20.9	53.0	8,074	6,396	22.9	62.2
	30	5,323	4,623	17.2	37.5	6,388	5,435	18.5	42.7	7,680	6,434	22.6	60.8	8,441	6,871	24.8	70.9	
	8	24	2,678	1,895	5.8	3.7	3,224	2,255	6.3	4.5	4,860	3,333	7.7	7.2	4,215	2,843	8.4	8.7
		25	3,035	2,230	6.7	5.1	3,653	2,652	7.2	6.2	5,508	3,921	8.8	9.7	4,778	3,344	9.6	11.6
26		3,321	2,508	7.5	6.7	3,997	2,984	8.2	8.1	6,027	4,411	9.9	12.5	5,227	3,762	10.8	15.0	
27		3,571	2,787	8.3	8.5	4,298	3,316	9.1	10.3	6,480	4,901	11.0	15.6	5,621	4,181	12.0	18.6	
28		3,749	3,066	9.2	10.5	4,513	3,647	10.0	12.6	6,804	5,391	12.1	19.0	5,902	4,599	13.2	22.5	
29		3,928	3,372	10.0	12.7	4,728	4,012	10.9	15.2	7,128	5,931	13.2	22.6	6,183	5,058	14.4	26.8	
30	4,106	3,623	10.8	15.0	4,943	4,310	11.8	17.9	7,452	6,372	14.3	26.5	6,464	5,435	15.6	31.2		
6	4	24	3,638	2,485	16.9	36.2	4,424	2,982	19.8	48.4	5,292	3,479	23.5	64.7	5,829	3,743	26.4	78.0
		25	4,123	2,924	19.3	46.1	5,014	3,509	22.6	60.9	5,998	4,093	26.8	79.9	6,607	4,403	30.2	95.0
		26	4,511	3,289	21.7	56.7	5,485	3,947	25.4	73.7	6,562	4,605	30.2	95.0	7,229	4,953	33.9	110.8
		27	4,851	3,655	24.1	67.5	5,898	4,386	28.3	86.6	7,056	5,117	33.5	109.2	7,773	5,504	37.7	124.8
		28	5,094	4,020	26.5	78.5	6,193	4,824	31.1	99.1	7,409	5,628	36.9	121.9	8,161	6,054	41.5	136.1
		29	5,336	4,422	28.9	89.4	6,488	5,307	33.9	110.8	7,762	6,191	40.2	132.7	8,550	6,659	45.2	143.8
	30	5,579	4,751	31.3	100.0	6,783	5,701	36.8	121.6	8,114	6,652	43.6	140.9	8,939	7,155	49.0	147.1	
	5	24	3,432	2,456	11.0	15.5	3,938	2,785	13.2	22.6	4,961	3,421	17.9	40.3	5,457	3,626	19.6	47.8
		25	3,889	2,889	12.6	20.4	4,463	3,276	15.1	29.3	5,623	4,025	20.4	51.2	6,185	4,265	22.5	60.1
		26	4,255	3,251	14.1	25.8	4,883	3,686	17.0	36.7	6,152	4,528	23.0	62.6	6,767	4,799	25.3	72.9
		27	4,575	3,612	15.7	31.7	5,250	4,095	18.9	44.4	6,615	5,031	25.6	74.2	7,277	5,332	28.1	85.6
		28	4,804	3,973	17.3	37.8	5,513	4,505	20.8	52.6	6,946	5,534	28.1	85.8	7,640	5,865	30.9	98.1
		29	5,033	4,370	18.9	44.4	5,775	4,955	22.6	61.0	7,277	6,087	30.7	97.2	8,004	6,451	33.7	109.8
	30	5,262	4,695	20.4	51.1	6,038	5,324	24.5	69.5	7,607	6,540	33.2	108.0	8,368	6,931	36.5	120.6	
	6	24	3,225	2,398	10.3	13.4	3,928	2,807	11.0	15.5	4,713	3,304	13.5	23.5	5,168	3,538	14.8	28.3
		25	3,655	2,821	11.7	17.8	4,451	3,302	12.6	20.4	5,342	3,887	15.4	30.5	5,857	4,162	16.9	36.4
		26	3,999	3,173	13.2	22.5	4,870	3,715	14.1	25.8	5,844	4,373	17.3	38.1	6,408	4,682	19.0	45.2
		27	4,300	3,526	14.7	27.7	5,237	4,128	15.7	31.7	6,284	4,859	19.3	46.1	6,891	5,203	21.2	54.3
		28	4,515	3,878	16.1	33.3	5,499	4,541	17.3	37.8	6,598	5,345	21.2	54.5	7,235	5,723	23.3	63.8
		29	4,730	4,266	17.6	39.1	5,761	4,995	18.9	44.4	6,913	5,879	23.1	63.2	7,580	6,295	25.4	73.4
	30	4,945	4,584	19.1	45.2	6,022	5,366	20.4	51.1	7,227	6,316	25.1	71.9	7,924	6,764	27.5	83.1	
	7	24	2,894	2,164	7.9	7.6	3,473	2,544	8.5	8.9	4,176	3,012	10.4	13.9	4,589	3,216	11.4	16.9
		25	3,280	2,545	9.0	10.3	3,936	2,993	9.7	12.0	4,732	3,543	11.9	18.3	5,201	3,784	13.1	22.1
		26	3,589	2,864	10.2	13.2	4,306	3,367	10.9	15.4	5,178	3,986	13.4	23.2	5,691	4,257	14.7	27.9
		27	3,859	3,182	11.3	16.5	4,631	3,741	12.1	19.1	5,568	4,429	14.9	28.5	6,119	4,730	16.3	34.1
		28	4,052	3,500	12.4	20.0	4,862	4,115	13.4	23.1	5,846	4,872	16.4	34.2	6,425	5,203	18.0	40.7
		29	4,245	3,850	13.6	23.8	5,094	4,526	14.6	27.4	6,124	5,359	17.8	40.2	6,731	5,723	19.6	47.6
	30	4,438	4,136	14.7	27.9	5,325	4,863	15.8	32.0	6,403	5,757	19.3	46.4	7,037	6,149	21.2	54.7	
	8	24	2,233	1,696	5.0	2.5	2,687	2,017	5.4	3.1	4,052	2,982	6.6	5.0	3,514	2,544	7.2	6.1
		25	2,530	1,995	5.7	3.5	3,046	2,373	6.2	4.3	4,592	3,509	7.5	6.8	3,983	2,993	8.2	8.3
26		2,768	2,244	6.4	4.6	3,332	2,670	7.0	5.7	5,024	3,947	8.5	8.9	4,358	3,367	9.2	10.7	
27		2,977	2,494	7.1	6.0	3,583	2,967	7.7	7.3	5,402	4,386	9.4	11.2	4,686	3,741	10.3	13.4	
28		3,126	2,743	7.8	7.4	3,762	3,264	8.5	9.0	5,672	4,824	10.4	13.7	4,920	4,115	11.3	16.4	
29		3,274	3,018	8.5	9.0	3,941	3,590	9.3	10.9	5,942	5,307	11.3	16.5	5,154	4,526	12.3	19.6	
30	3,423	3,167	9.3	10.8	4,121	3,768	10.1	12.9	6,213	5,570	12.3	19.4	5,388	4,751	13.3	23.0		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
7	4	24	3,300	2,254	16.2	33.5	4,013	2,705	17.3	37.7	4,800	3,156	21.2	54.5	5,288	3,395	23.3	64.1
		25	3,740	2,652	18.5	42.9	4,548	3,182	19.7	48.1	5,440	3,713	24.2	68.1	5,993	3,994	26.7	79.2
		26	4,092	2,984	20.8	52.8	4,976	3,580	22.2	58.9	5,952	4,177	27.2	81.9	6,557	4,493	30.0	94.2
		27	4,400	3,315	23.1	63.1	5,350	3,978	24.7	70.1	6,400	4,641	30.3	95.4	7,050	4,992	33.3	108.4
		28	4,620	3,647	25.4	73.7	5,618	4,376	27.1	81.3	6,720	5,105	33.3	108.2	7,403	5,491	36.7	121.2
		29	4,840	4,011	27.7	84.2	5,885	4,813	29.6	92.4	7,040	5,616	36.3	119.9	7,755	6,040	40.0	132.0
	30	5,060	4,310	30.1	94.5	6,153	5,171	32.0	103.1	7,360	6,033	39.3	130.1	8,108	6,490	43.3	140.4	
	24	3,113	2,228	10.1	13.0	3,750	2,652	11.9	18.3	4,500	3,103	14.5	27.2	4,950	3,288	15.9	32.6	
	25	3,528	2,621	11.6	17.2	4,250	3,120	13.6	23.9	5,100	3,650	16.6	35.1	5,610	3,869	18.2	41.7	
	26	3,860	2,948	13.0	21.9	4,650	3,510	15.3	30.1	5,580	4,107	18.7	43.6	6,138	4,352	20.5	51.5	
	27	4,150	3,276	14.5	27.0	5,000	3,900	17.0	36.7	6,000	4,563	20.7	52.5	6,600	4,836	22.8	61.6	
	28	4,358	3,604	15.9	32.4	5,250	4,290	18.7	43.7	6,300	5,019	22.8	61.8	6,930	5,320	25.1	71.9	
	29	4,565	3,964	17.3	38.1	5,500	4,719	20.4	51.0	6,600	5,521	24.9	71.2	7,260	5,852	27.3	82.3	
	30	4,773	4,259	18.8	44.1	5,750	5,070	22.1	58.5	6,900	5,932	27.0	80.6	7,590	6,287	29.6	92.5	
	24	2,925	2,175	8.3	8.5	3,563	2,546	8.9	9.9	4,275	2,997	10.9	15.4	4,688	3,209	12.0	18.7	
	25	3,315	2,558	9.5	11.4	4,038	2,995	10.2	13.3	4,845	3,526	12.5	20.3	5,313	3,775	13.7	24.4	
	26	3,627	2,878	10.7	14.7	4,418	3,370	11.5	17.0	5,301	3,966	14.1	25.6	5,813	4,247	15.5	30.7	
	27	3,900	3,198	11.9	18.3	4,750	3,744	12.8	21.0	5,700	4,407	15.6	31.4	6,250	4,719	17.2	37.4	
	28	4,095	3,518	13.1	22.2	4,988	4,118	14.0	25.4	5,985	4,848	17.2	37.5	6,563	5,191	18.9	44.5	
	29	4,290	3,870	14.3	26.3	5,225	4,530	15.3	30.1	6,270	5,332	18.8	44.0	6,875	5,710	20.6	51.9	
	30	4,485	4,157	15.5	30.7	5,463	4,867	16.6	35.0	6,555	5,729	20.3	50.7	7,188	6,135	22.3	59.5	
	24	2,625	1,962	6.4	4.7	3,150	2,307	6.9	5.5	3,788	2,732	8.4	8.8	4,163	2,917	9.3	10.8	
	25	2,975	2,309	7.3	6.4	3,570	2,714	7.9	7.5	4,293	3,214	9.7	11.8	4,718	3,432	10.6	14.4	
	26	3,255	2,597	8.3	8.4	3,906	3,054	8.9	9.8	4,697	3,615	10.9	15.2	5,162	3,861	11.9	18.4	
	27	3,500	2,886	9.2	10.6	4,200	3,393	9.9	12.3	5,050	4,017	12.1	18.8	5,550	4,290	13.3	22.8	
	28	3,675	3,175	10.1	13.0	4,410	3,732	10.8	15.1	5,303	4,419	13.3	22.8	5,828	4,719	14.6	27.4	
	29	3,850	3,492	11.0	15.6	4,620	4,106	11.8	18.1	5,555	4,861	14.5	27.1	6,105	5,191	15.9	32.4	
	30	4,025	3,752	11.9	18.4	4,830	4,411	12.8	21.3	5,808	5,222	15.7	31.6	6,383	5,577	17.2	37.7	
	24	2,025	1,538	4.0	1.4	2,438	1,830	4.4	1.7	3,675	2,705	5.4	3.0	3,188	2,307	5.8	3.7	
	25	2,295	1,810	4.6	2.0	2,763	2,153	5.0	2.5	4,165	3,182	6.1	4.1	3,613	2,714	6.7	5.1	
26	2,511	2,036	5.2	2.7	3,023	2,422	5.7	3.4	4,557	3,580	6.9	5.5	3,953	3,054	7.5	6.7		
27	2,700	2,262	5.8	3.6	3,250	2,691	6.3	4.4	4,900	3,978	7.7	7.0	4,250	3,393	8.3	8.5		
28	2,835	2,488	6.4	4.6	3,413	2,960	6.9	5.6	5,145	4,376	8.4	8.7	4,463	3,732	9.2	10.5		
29	2,970	2,737	6.9	5.6	3,575	3,256	7.5	6.8	5,390	4,813	9.2	10.6	4,675	4,106	10.0	12.7		
30	3,105	2,873	7.5	6.8	3,738	3,418	8.2	8.2	5,635	5,052	9.9	12.6	4,888	4,309	10.8	15.1		
24	2,673	1,908	15.2	29.8	3,250	2,290	16.2	33.7	3,888	2,671	19.9	49.0	4,283	2,873	21.9	57.9		
25	3,029	2,245	17.4	38.3	3,683	2,694	18.6	43.1	4,406	3,143	22.8	61.6	4,854	3,380	25.1	72.1		
26	3,315	2,525	19.6	47.5	4,030	3,030	20.9	53.1	4,821	3,535	25.6	74.5	5,311	3,803	28.2	86.3		
27	3,564	2,806	21.8	57.0	4,334	3,367	23.2	63.5	5,184	3,928	28.5	87.5	5,711	4,225	31.4	100.1		
28	3,742	3,086	23.9	66.8	4,550	3,704	25.5	74.0	5,443	4,321	31.3	100.0	5,996	4,648	34.5	113.0		
29	3,920	3,395	26.1	76.7	4,767	4,074	27.8	84.6	5,702	4,753	34.2	111.8	6,282	5,113	37.6	124.6		
30	4,099	3,648	28.3	86.6	4,984	4,377	30.2	94.9	5,962	5,107	37.0	122.5	6,567	5,493	40.8	134.2		
24	2,521	1,886	9.5	11.4	3,375	2,440	11.5	17.2	3,645	2,626	13.7	24.1	4,010	2,783	15.0	29.0		
25	2,857	2,218	10.9	15.2	3,825	2,870	13.2	22.5	4,131	3,090	15.6	31.3	4,544	3,275	17.1	37.3		
26	3,126	2,496	12.2	19.4	4,185	3,229	14.8	28.4	4,520	3,476	17.6	39.0	4,972	3,684	19.3	46.2		
27	3,362	2,773	13.6	23.9	4,500	3,588	16.5	34.7	4,860	3,862	19.5	47.2	5,346	4,093	21.4	55.6		
28	3,530	3,050	15.0	28.8	4,725	3,947	18.1	41.4	5,103	4,248	21.5	55.7	5,613	4,503	23.6	65.2		
29	3,698	3,355	16.3	34.0	4,950	4,341	19.8	48.4	5,346	4,673	23.4	64.5	5,881	4,953	25.7	75.0		
30	3,866	3,605	17.7	39.5	5,175	4,664	21.4	55.6	5,589	5,021	25.4	73.4	6,148	5,321	27.9	84.7		
24	2,369	1,841	7.8	7.4	2,886	2,155	8.4	8.7	3,463	2,536	10.3	13.6	3,797	2,716	11.3	16.5		
25	2,685	2,165	9.0	10.0	3,270	2,535	9.6	11.7	3,924	2,984	11.8	17.9	4,303	3,195	12.9	21.6		
26	2,938	2,436	10.1	12.9	3,578	2,852	10.8	15.0	4,294	3,357	13.2	22.7	4,708	3,595	14.5	27.3		
27	3,159	2,707	11.2	16.1	3,848	3,169	12.0	18.6	4,617	3,730	14.7	27.9	5,063	3,994	16.2	33.4		
28	3,317	2,977	12.3	19.6	4,040	3,486	13.2	22.5	4,848	4,103	16.2	33.5	5,316	4,394	17.8	39.9		
29	3,475	3,140	13.4	23.4	4,232	3,676	14.4	26.8	5,079	4,327	17.7	39.4	5,569	4,633	19.4	46.6		
30	3,633	3,329	14.6	27.3	4,425	4,025	15.6	31.2	5,310	4,737	19.1	45.5	5,822	5,073	21.0	53.7		
24	2,126	1,661	6.0	4.0	2,552	1,953	6.5	4.8	3,068	2,312	7.9	7.7	3,372	2,469	8.7	9.5		
25	2,410	1,954	6.9	5.6	2,892	2,297	7.4	6.6	3,477	2,720	9.1	10.3	3,821	2,905	10.0	12.7		
26	2,637	2,198	7.8	7.3	3,164	2,585	8.3	8.6	3,804	3,060	10.2	13.3	4,181	3,268	11.2	16.2		
27	2,835	2,443	8.6	9.3	3,402	2,872	9.3	10.8	4,091	3,400	11.4	16.6	4,496	3,631	12.5	20.1		
28	2,977	2,687	9.5	11.4	3,572	3,159	10.2	13.3	4,295	3,740	12.5	20.2	4,720	3,994	13.7	24.4		
29	3,119	2,834	10.4	13.7	3,742	3,331	11.1	16.0	4,500	3,944	13.6	24.0	4,945	4,212	15.0	28.9		
30	3,260	3,005	11.2	16.2	3,912	3,532	12.1	18.8	4,704	4,182	14.8	28.1	5,170	4,539	16.2	33.6		
24	1,640	1,302	3.8	1.1	1,974	1,549	4.1	1.5	2,977	2,290	5.0	2.5	2,582	1,953	5.5	3.2		
25	1,859	1,532	4.4	1.7	2,238	1,822	4.7	2.1	3,374	2,694	5.8	3.6	2,926	2,297	6.3	4.4		
26	2,034	1,723	4.9	2.3	2,448	2,050	5.3	2.9	3,691	3,030	6.5	4.8	3,202	2,585	7.1	5.8		
27	2,187	1,915	5.4	3.1	2,633	2,278	5.9	3.8	3,969	3,367	7.2	6.1	3,443	2,872	7.8	7.4		
28	2,296	2,106	6.0	3.9	2,764	2,505	6.5	4.8	4,167	3,704	7.9	7.6	3,615	3,159	8.6	9.2		
29	2,406	2,221	6.5	4.8	2,896	2,642	7.1	5.9	4,366	3,906	8.6	9.3	3,787	3,331	9.4	11.2		
30	2,515	2,336	7.1	5.9	3,027	2,779	7.7	7.1	4,564	4,108	9.4	11.0	3,959	3,532	10.2	13.2		

Note  
1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)



# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	2,219	1,629	12.8	21.3	2,698	1,954	13.7	24.2	3,228	2,280	16.8	35.8	3,555	2,453	18.5	42.8
		25	2,515	1,916	14.7	27.7	3,058	2,299	15.6	31.3	3,658	2,682	19.2	45.7	4,029	2,885	21.1	54.2
		26	2,751	2,156	16.5	34.7	3,346	2,587	17.6	39.0	4,002	3,018	21.6	56.2	4,409	3,246	23.8	66.0
		27	2,959	2,395	18.3	42.1	3,597	2,874	19.5	47.2	4,303	3,353	24.0	67.0	4,740	3,607	26.4	78.0
		28	3,106	2,635	20.1	49.9	3,777	3,162	21.5	55.8	4,519	3,688	26.4	77.9	4,977	3,967	29.0	90.0
		29	3,254	2,898	22.0	58.0	3,957	3,478	23.4	64.5	4,734	4,057	28.8	88.8	5,214	4,364	31.7	101.5
	30	3,402	3,114	23.8	66.3	4,137	3,736	25.4	73.4	4,949	4,359	31.2	99.3	5,451	4,689	34.3	112.3	
	5	24	2,093	1,609	8.0	7.8	3,075	2,254	10.6	14.4	3,026	2,242	11.5	17.1	3,328	2,376	12.6	20.7
		25	2,372	1,894	9.2	10.5	3,485	2,652	12.1	18.9	3,429	2,637	13.1	22.4	3,772	2,795	14.4	26.9
		26	2,595	2,130	10.3	13.6	3,813	2,984	13.6	24.0	3,752	2,967	14.8	28.2	4,127	3,145	16.2	33.7
		27	2,790	2,367	11.4	16.9	4,100	3,315	15.1	29.5	4,034	3,297	16.4	34.4	4,438	3,494	18.0	41.0
		28	2,930	2,604	12.6	20.5	4,305	3,647	16.6	35.3	4,236	3,626	18.1	41.1	4,660	3,843	19.8	48.6
		29	3,070	2,746	13.7	24.4	4,510	3,845	18.2	41.4	4,438	3,824	19.7	48.0	4,882	4,053	21.7	56.5
	30	3,209	2,888	14.9	28.5	4,715	4,044	19.7	47.8	4,640	4,022	21.4	55.2	5,104	4,263	23.5	64.7	
	6	24	1,967	1,571	6.6	5.0	2,395	1,839	7.1	5.9	2,875	2,165	8.7	9.3	3,152	2,318	9.5	11.5
		25	2,229	1,848	7.5	6.8	2,715	2,164	8.1	8.0	3,258	2,547	9.9	12.5	3,572	2,728	10.9	15.2
		26	2,439	2,079	8.5	8.9	2,970	2,435	9.1	10.4	3,564	2,866	11.1	16.0	3,908	3,069	12.2	19.4
		27	2,622	2,311	9.4	11.2	3,194	2,705	10.1	13.0	3,833	3,184	12.4	19.9	4,203	3,409	13.6	23.9
		28	2,753	2,472	10.4	13.7	3,354	2,894	11.1	15.9	4,024	3,407	13.6	24.0	4,413	3,648	15.0	28.8
		29	2,885	2,611	11.3	16.5	3,513	3,057	12.1	19.0	4,216	3,598	14.9	28.5	4,623	3,853	16.3	34.0
	30	3,016	2,773	12.3	19.4	3,673	3,246	13.1	22.3	4,408	3,821	16.1	33.2	4,833	4,091	17.7	39.5	
	7	24	1,765	1,418	5.1	2.6	2,118	1,667	5.5	3.1	2,547	1,974	6.7	5.2	2,799	2,108	7.4	6.4
		25	2,000	1,668	5.8	3.7	2,400	1,961	6.2	4.4	2,886	2,322	7.6	7.0	3,172	2,480	8.4	8.7
		26	2,189	1,877	6.5	4.9	2,626	2,206	7.0	5.8	3,158	2,612	8.6	9.2	3,471	2,790	9.5	11.3
		27	2,353	2,085	7.3	6.3	2,824	2,451	7.8	7.4	3,396	2,902	9.6	11.6	3,732	3,100	10.5	14.1
		28	2,471	2,231	8.0	7.8	2,965	2,623	8.6	9.1	3,565	3,105	10.5	14.2	3,918	3,316	11.6	17.2
		29	2,589	2,356	8.7	9.5	3,106	2,770	9.4	11.1	3,735	3,280	11.5	17.0	4,105	3,502	12.6	20.6
	30	2,706	2,502	9.5	11.3	3,248	2,942	10.2	13.1	3,905	3,483	12.4	20.0	4,292	3,719	13.7	24.1	
	8	24	1,362	1,111	3.2	0.6	1,639	1,322	3.5	0.8	2,471	1,954	4.2	1.6	2,143	1,667	4.6	2.0
		25	1,543	1,307	3.7	1.0	1,858	1,555	4.0	1.3	2,801	2,299	4.8	2.3	2,429	1,961	5.3	2.9
26		1,688	1,471	4.1	1.4	2,032	1,750	4.5	1.8	3,064	2,587	5.5	3.1	2,658	2,206	5.9	3.8	
27		1,815	1,634	4.6	1.9	2,185	1,944	5.0	2.4	3,295	2,874	6.1	4.0	2,858	2,451	6.6	5.0	
28		1,906	1,749	5.0	2.5	2,295	2,080	5.5	3.1	3,459	3,075	6.7	5.1	3,001	2,623	7.3	6.2	
29		1,997	1,847	5.5	3.2	2,404	2,197	6.0	3.9	3,624	3,248	7.3	6.3	3,143	2,770	7.9	7.6	
30	2,088	1,961	6.0	3.9	2,513	2,333	6.5	4.8	3,789	3,449	7.9	7.5	3,286	2,942	8.6	9.1		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

## ◆ WFA066RG0A

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
5	4	24	6,415	3,883	23.0	62.4	7,005	4,401	25.2	72.4	8,379	5,135	28.4	87.3	9,230	5,523	32.8	106.3
		25	7,271	4,569	26.2	77.4	7,939	5,178	28.7	88.7	9,497	6,041	32.5	105.0	10,461	6,498	37.5	124.1
		26	7,955	5,140	29.5	92.2	8,686	5,825	32.3	104.3	10,390	6,796	36.6	120.8	11,446	7,310	42.2	137.9
		27	8,554	5,711	32.8	106.3	9,339	6,472	35.9	118.6	11,172	7,551	40.6	133.8	12,307	8,122	46.9	145.8
		28	8,982	6,282	36.1	119.1	9,806	7,119	39.5	130.7	11,731	8,306	44.7	142.9	12,923	8,934	51.6	146.5
		29	9,409	6,910	39.4	130.2	10,273	7,831	43.1	140.0	12,290	9,137	48.7	147.1	13,538	9,828	56.2	138.2
	30	9,837	7,424	42.7	138.9	10,740	8,414	46.7	145.7	12,848	9,816	52.8	145.2	14,153	10,559	60.9	119.3	
	5	24	5,433	3,576	16.4	34.4	5,693	3,887	18.2	41.7	7,856	5,048	24.1	67.4	8,641	5,350	28.4	87.3
		25	6,158	4,207	18.7	43.9	6,452	4,573	20.8	52.9	8,903	5,939	27.5	83.1	9,793	6,295	32.5	105.0
		26	6,738	4,733	21.1	54.1	7,059	5,145	23.4	64.6	9,741	6,682	30.9	98.3	10,715	7,081	36.6	120.8
		27	7,245	5,259	23.4	64.6	7,590	5,717	26.0	76.4	10,474	7,424	34.4	112.6	11,522	7,868	40.6	133.8
		28	7,607	5,785	25.8	75.2	7,970	6,288	28.6	88.2	10,998	8,166	37.8	125.2	12,098	8,655	44.7	142.9
		29	7,969	6,364	28.1	85.9	8,349	6,917	31.2	99.7	11,522	8,983	41.2	135.5	12,674	9,521	48.7	147.1
	30	8,331	6,837	30.5	96.3	8,729	7,431	33.9	110.5	12,045	9,651	44.7	142.9	13,250	10,229	52.8	145.2	
	6	24	5,106	3,452	14.2	26.1	6,219	4,142	17.1	37.0	7,463	4,876	20.1	49.8	8,183	5,221	23.0	62.4
		25	5,787	4,061	16.2	33.7	7,048	4,873	19.5	47.1	8,458	5,736	23.0	62.6	9,274	6,142	26.2	77.4
		26	6,332	4,569	18.3	42.0	7,712	5,482	21.9	57.8	9,254	6,453	25.9	75.7	10,147	6,910	29.5	92.2
		27	6,808	5,076	20.3	50.6	8,292	6,092	24.4	68.8	9,950	7,170	28.7	88.7	10,911	7,678	32.8	106.3
		28	7,149	5,584	22.3	59.6	8,707	6,701	26.8	79.9	10,448	7,887	31.6	101.3	11,456	8,446	36.1	119.1
		29	7,489	6,142	24.4	68.8	9,121	7,371	29.2	90.9	10,946	8,676	34.5	113.1	12,002	9,290	39.4	130.2
	30	7,829	6,599	26.4	78.1	9,536	7,919	31.7	101.6	11,443	9,321	37.4	123.7	12,547	9,981	42.7	138.9	
	7	24	4,582	3,193	11.8	18.0	5,499	3,754	12.7	20.8	6,612	4,444	15.5	31.0	7,266	4,746	17.1	37.0
		25	5,193	3,756	13.5	23.6	6,232	4,416	14.5	27.1	7,493	5,229	17.7	39.8	8,235	5,584	19.5	47.1
		26	5,682	4,226	15.2	29.7	6,819	4,968	16.3	34.0	8,199	5,882	20.0	49.1	9,010	6,282	21.9	57.8
		27	6,110	4,696	16.9	36.2	7,332	5,520	18.1	41.3	8,816	6,536	22.2	58.9	9,689	6,980	24.4	68.8
		28	6,415	5,165	18.6	43.1	7,699	6,072	19.9	49.0	9,257	7,189	24.4	69.0	10,173	7,678	26.8	79.9
		29	6,721	5,682	20.2	50.4	8,065	6,680	21.7	57.0	9,697	7,908	26.6	79.1	10,657	8,446	29.2	90.9
	30	7,026	6,104	21.9	57.8	8,432	7,177	23.6	65.1	10,138	8,496	28.8	89.1	11,142	9,074	31.7	101.6	
	8	24	3,535	2,503	7.4	6.6	4,255	2,977	8.1	8.0	6,415	4,401	9.8	12.3	5,564	3,754	10.7	14.7
		25	4,006	2,944	8.5	8.9	4,822	3,503	9.2	10.8	7,271	5,178	11.2	16.3	6,306	4,416	12.2	19.4
26		4,383	3,312	9.6	11.6	5,276	3,940	10.4	13.8	7,955	5,825	12.7	20.7	6,900	4,968	13.8	24.6	
27		4,713	3,680	10.6	14.5	5,674	4,378	11.6	17.2	8,554	6,472	14.1	25.6	7,419	5,520	15.3	30.1	
28		4,949	4,048	11.7	17.6	5,957	4,816	12.7	20.9	9,982	7,119	15.5	30.7	7,790	6,072	16.8	36.1	
29		5,185	4,453	12.7	21.0	6,241	5,298	13.9	24.9	9,409	7,831	16.9	36.2	8,161	6,680	18.4	42.3	
30	5,420	4,784	13.8	24.7	6,525	5,692	15.0	29.1	9,837	8,414	18.3	42.0	8,532	7,177	19.9	48.9		
6	4	24	4,802	3,282	21.5	56.0	5,839	3,938	25.3	72.9	6,985	4,595	29.9	94.0	7,695	4,942	33.7	109.9
		25	5,443	3,861	24.6	69.9	6,618	4,633	28.9	89.3	7,917	5,405	34.2	112.0	8,721	5,814	38.5	127.5
		26	5,955	4,344	27.7	83.9	7,241	5,212	32.5	104.9	8,662	6,081	38.5	127.5	9,542	6,541	43.3	140.4
		27	6,403	4,826	30.7	97.5	7,786	5,791	36.1	119.1	9,314	6,757	42.8	139.2	10,260	7,268	48.1	146.8
		28	6,723	5,309	33.8	110.4	8,175	6,371	39.7	131.2	9,780	7,432	47.1	146.0	10,773	7,994	52.9	145.0
		29	7,044	5,840	36.9	122.0	8,564	7,008	43.3	140.4	10,245	8,176	51.3	146.6	11,286	8,794	57.8	133.3
	30	7,364	6,274	40.0	132.0	8,954	7,529	46.9	145.9	10,711	8,784	55.6	139.9	11,799	9,448	62.6	110.0	
	5	24	4,530	3,243	14.0	25.5	5,198	3,677	16.9	36.2	6,549	4,517	22.8	61.8	7,204	4,788	25.1	72.0
		25	5,134	3,816	16.0	32.9	5,891	4,326	19.3	46.1	7,422	5,314	26.1	76.7	8,164	5,632	28.7	88.3
		26	5,617	4,292	18.0	41.0	6,445	4,867	21.7	56.7	8,121	5,979	29.4	91.4	8,933	6,337	32.2	103.9
		27	6,039	4,769	20.1	49.5	6,930	5,408	24.1	67.5	8,732	6,643	32.6	105.5	9,605	7,041	35.8	118.2
		28	6,341	5,246	22.1	58.4	7,277	5,948	26.5	78.5	9,168	7,307	35.9	118.4	10,085	7,745	39.4	130.3
		29	6,643	5,771	24.1	67.4	7,623	6,543	28.9	89.4	9,605	8,038	39.1	129.5	10,565	8,519	43.0	139.7
	30	6,945	6,200	26.1	76.6	7,970	7,030	31.3	100.0	10,042	8,636	42.4	138.4	11,046	9,153	46.6	145.5	
	6	24	4,257	3,166	13.1	22.2	5,185	3,707	14.0	25.5	6,221	4,363	17.2	37.6	6,822	4,672	18.9	44.6
		25	4,824	3,725	15.0	28.9	5,876	4,361	16.0	32.9	7,051	5,133	19.7	47.9	7,731	5,496	21.6	56.3
		26	5,278	4,190	16.8	36.1	6,429	4,906	18.0	41.0	7,715	5,774	22.1	58.7	8,459	6,183	24.3	68.5
		27	5,676	4,656	18.7	43.8	6,913	5,451	20.1	49.5	8,295	6,416	24.6	69.9	9,096	6,870	27.0	80.8
		28	5,959	5,121	20.6	51.8	7,258	5,996	22.1	58.4	8,710	7,058	27.1	81.1	9,550	7,557	29.7	92.9
		29	6,243	5,634	22.5	60.2	7,604	6,595	24.1	67.4	9,125	7,763	29.5	92.1	10,005	8,313	32.4	104.6
	30	6,527	6,053	24.3	68.6	7,950	7,086	26.1	76.6	9,539	8,341	32.0	102.8	10,460	8,931	35.1	115.4	
	7	24	3,820	2,857	10.1	13.0	4,584	3,359	10.9	15.1	5,512	3,977	13.3	22.9	6,058	4,247	14.6	27.5
		25	4,330	3,361	11.6	17.2	5,195	3,952	12.4	19.9	6,247	4,679	15.2	29.7	6,865	4,997	16.7	35.5
		26	4,737	3,781	13.0	21.9	5,684	4,446	14.0	25.2	6,835	5,263	17.1	37.1	7,512	5,621	18.8	44.0
		27	5,094	4,202	14.4	26.9	6,112	4,940	15.5	30.9	7,349	5,848	19.0	44.9	8,077	6,246	20.9	53.0
		28	5,348	4,622	15.9	32.3	6,418	5,434	17.1	37.0	7,717	6,433	20.9	53.1	8,481	6,870	22.9	62.3
		29	5,603	5,084	17.3	38.0	6,723	5,977	18.6	43.3	8,084	7,076	22.8	61.6	8,885	7,557	25.0	71.8
	30	5,858	5,462	18.8	44.0	7,029	6,422	20.2	50.0	8,452	7,603	24.7	70.2	9,288	8,119	27.1	81.3	
	8	24	2,947	2,239	6.4	4.6	3,547	2,664	6.9	5.6	5,348	3,938	8.4	8.7	4,639	3,359	9.2	10.6
		25	3,340	2,635	7.3	6.3	4,020	3,134	7.9	7.6	6,061	4,633	9.6	11.7	5,257	3,952	10.5	14.1
26		3,654	2,964	8.2	8.2	4,399	3,526	8.9	9.9	6,632	5,212	10.8	15.1	5,752	4,446	11.8	18.0	
27		3,929	3,293	9.1	10.4	4,730	3,918	9.9	12.4	7,131	5,791	12.0	18.7	6,185	4,940	13.1	22.2	
28		4,126	3,622	10.0	12.7	4,966	4,310	10.9	15.2	7,488	6,371	13.2	22.7	6,494	5,434	14.4	26.8	
29		4,322	3,985	10.9	15.3	5,203	4,740	11.9	18.2	7,844	7,008	14.4	26.9	6,804	5,977	15.7	31.7	
30	4,519	4,182	11.8	18.0	5,439	4,976	12.9	21.4	8,201	7,355	15.6	31.4	7,113	6,273	17.0	36.8		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
7	4	24	4,356	2,977	20.7	52.2	5,297	3,572	22.0	58.2	6,336	4,167	27.0	81.0	6,980	4,483	29.8	93.2
		25	4,937	3,502	23.6	65.4	6,003	4,202	25.2	72.5	7,181	4,903	30.9	98.2	7,910	5,274	34.0	111.2
		26	5,401	3,940	26.6	78.8	6,568	4,728	28.3	86.8	7,857	5,516	34.8	114.1	8,655	5,933	38.3	126.7
		27	5,808	4,378	29.5	92.1	7,062	5,253	31.5	100.6	8,448	6,129	38.6	127.9	9,306	6,592	42.5	138.7
		28	6,098	4,815	32.5	104.8	7,415	5,778	34.6	113.5	8,870	6,741	42.5	138.6	9,771	7,251	46.8	145.7
		29	6,389	5,297	35.4	116.6	7,768	6,356	37.8	125.0	9,293	7,415	46.4	145.3	10,237	7,976	51.0	146.8
	30	6,679	5,691	38.4	127.0	8,121	6,829	40.9	134.6	9,715	7,967	50.2	147.1	10,702	8,570	55.3	140.7	
	24	4,109	2,942	12.9	21.6	4,950	3,502	15.2	29.7	5,940	4,097	18.5	43.0	6,534	4,342	20.4	50.8	
	25	4,656	3,461	14.8	28.1	5,610	4,120	17.4	38.2	6,732	4,820	21.2	54.4	7,405	5,109	23.3	63.8	
	26	5,095	3,893	16.6	35.1	6,138	4,635	19.5	47.2	7,366	5,423	23.8	66.3	8,102	5,747	26.2	77.0	
	27	5,478	4,326	18.4	42.6	6,600	5,150	21.7	56.8	7,920	6,026	26.5	78.4	8,712	6,386	29.1	90.2	
	28	5,752	4,759	20.3	50.5	6,930	5,665	23.9	66.5	8,316	6,628	29.1	90.4	9,148	7,025	32.0	102.8	
	29	6,026	5,234	22.1	58.7	7,260	6,232	26.0	76.4	8,712	7,291	31.8	101.9	9,583	7,727	34.9	114.6	
	30	6,300	5,624	24.0	67.0	7,590	6,695	28.2	86.3	9,108	7,833	34.4	112.8	10,019	8,302	37.8	125.2	
	24	3,861	2,872	10.6	14.5	4,703	3,362	11.4	16.7	5,643	3,957	14.0	25.2	6,188	4,237	15.3	30.3	
	25	4,376	3,378	12.2	19.1	5,330	3,955	13.0	21.9	6,395	4,656	16.0	32.7	7,013	4,985	17.5	38.9	
	26	4,788	3,801	13.7	24.2	5,831	4,450	14.6	27.7	6,997	5,238	18.0	40.7	7,673	5,608	19.7	48.1	
	27	5,148	4,223	15.2	29.7	6,270	4,944	16.3	33.8	7,524	5,820	20.0	49.1	8,250	6,232	21.9	57.7	
	28	5,405	4,645	16.7	35.6	6,584	5,438	17.9	40.4	7,900	6,401	22.0	57.9	8,663	6,855	24.1	67.6	
	29	5,663	5,110	18.2	41.7	6,897	5,982	19.5	47.2	8,276	7,042	24.0	66.9	9,075	7,540	26.3	77.6	
	30	5,920	5,490	19.7	48.2	7,211	6,427	21.2	54.3	8,653	7,565	26.0	76.0	9,488	8,101	28.5	87.5	
	24	3,465	2,591	8.2	8.2	4,158	3,047	8.8	9.7	5,000	3,607	10.8	14.9	5,495	3,852	11.8	18.1	
	25	3,927	3,049	9.4	11.1	4,712	3,584	10.1	12.9	5,666	4,244	12.3	19.7	6,227	4,532	13.5	23.7	
	26	4,297	3,430	10.5	14.2	5,156	4,032	11.3	16.5	6,199	4,774	13.9	24.9	6,813	5,099	15.2	29.8	
	27	4,620	3,811	11.7	17.7	5,544	4,481	12.6	20.5	6,666	5,305	15.4	30.5	7,326	5,665	16.9	36.4	
	28	4,851	4,192	12.9	21.5	5,821	4,929	13.8	24.8	6,999	5,835	16.9	36.5	7,692	6,232	18.6	43.4	
	29	5,082	4,611	14.1	25.6	6,098	5,421	15.1	29.4	7,333	6,418	18.5	42.8	8,059	6,855	20.3	50.6	
	30	5,313	4,954	15.2	29.8	6,376	5,825	16.4	34.2	7,666	6,896	20.0	49.4	8,425	7,365	22.0	58.1	
	24	2,673	2,031	5.2	2.7	3,218	2,416	5.6	3.4	4,851	3,572	6.8	5.4	4,208	3,047	7.4	6.6	
	25	3,029	2,390	5.9	3.8	3,647	2,843	6.4	4.7	5,498	4,202	7.8	7.4	4,769	3,584	8.5	8.9	
	26	3,315	2,688	6.6	5.1	3,990	3,198	7.2	6.2	6,015	4,728	8.8	9.6	5,217	4,032	9.6	11.6	
	27	3,564	2,987	7.4	6.5	4,290	3,554	8.0	7.9	6,468	5,253	9.8	12.1	5,610	4,481	10.6	14.5	
	28	3,742	3,286	8.1	8.1	4,505	3,909	8.8	9.7	6,791	5,778	10.7	14.8	5,891	4,929	11.7	17.7	
	29	3,920	3,614	8.9	9.8	4,719	4,300	9.6	11.7	7,115	6,356	11.7	17.7	6,171	5,421	12.8	21.1	
	30	4,099	3,793	9.6	11.6	4,934	4,513	10.4	13.9	7,438	6,671	12.7	20.9	6,452	5,690	13.8	24.7	
	8	4	24	3,528	2,519	19.4	46.9	4,290	3,023	20.7	52.4	5,132	3,527	25.4	73.7	5,653	3,794	28.0
25			3,999	2,964	22.2	59.1	4,862	3,557	23.7	65.7	5,816	4,150	29.1	90.2	6,407	4,464	32.0	102.9
26			4,375	3,335	25.0	71.6	5,320	4,002	26.6	79.2	6,364	4,668	32.7	105.9	7,010	5,022	36.0	118.9
27			4,704	3,705	27.8	84.3	5,720	4,446	29.6	92.5	6,843	5,187	36.3	120.1	7,538	5,579	40.0	132.1
28			4,940	4,076	30.5	96.6	6,006	4,891	32.6	105.3	7,185	5,706	40.0	132.0	7,915	6,137	44.0	141.8
29			5,175	4,483	33.3	108.4	6,292	5,380	35.5	117.0	7,527	6,276	43.6	141.0	8,292	6,751	48.0	146.7
30		5,410	4,817	36.1	119.2	6,578	5,780	38.5	127.4	7,869	6,743	47.2	146.2	8,669	7,253	52.0	146.1	
24		3,328	2,490	12.1	19.1	4,455	3,222	14.7	28.0	4,811	3,468	17.4	38.5	5,293	3,675	19.2	45.6	
25		3,772	2,929	13.9	24.9	5,049	3,790	16.8	36.1	5,453	4,080	19.9	49.0	5,998	4,324	21.9	57.6	
26		4,127	3,295	15.6	31.3	5,524	4,264	18.9	44.7	5,966	4,590	22.4	60.0	6,563	4,865	24.6	70.0	
27		4,437	3,662	17.4	38.2	5,940	4,738	21.0	53.9	6,415	5,100	24.9	71.3	7,057	5,405	27.4	82.4	
28		4,659	4,028	19.1	45.4	6,237	5,212	23.2	63.3	6,736	5,610	27.4	82.6	7,410	5,946	30.1	94.7	
29		4,881	4,430	20.8	52.9	6,534	5,733	25.3	72.9	7,057	6,171	29.9	93.8	7,762	6,540	32.8	106.4	
30		5,103	4,760	22.6	60.6	6,831	6,159	27.4	82.5	7,377	6,630	32.4	104.5	8,115	7,027	35.6	117.2	
24		3,127	2,431	10.0	12.7	3,809	2,846	10.7	14.7	4,571	3,349	13.1	22.4	5,012	3,587	14.4	26.9	
25		3,544	2,859	11.4	16.9	4,317	3,348	12.3	19.4	5,180	3,940	15.0	29.1	5,680	4,219	16.5	34.7	
26		3,878	3,217	12.9	21.4	4,723	3,766	13.8	24.6	5,668	4,433	16.9	36.3	6,215	4,747	18.6	43.1	
27		4,170	3,574	14.3	26.4	5,079	4,185	15.3	30.1	6,094	4,926	18.8	44.1	6,683	5,274	20.6	52.0	
28		4,378	3,932	15.7	31.7	5,333	4,603	16.8	36.1	6,399	5,418	20.7	52.2	7,017	5,802	22.7	61.2	
29		4,587	4,146	17.2	37.3	5,587	4,854	18.4	42.4	6,704	5,714	22.5	60.5	7,351	6,118	24.7	70.5	
30		4,795	4,396	18.6	43.2	5,841	5,314	19.9	48.9	7,009	6,256	24.4	69.0	7,685	6,698	26.8	79.9	
24		2,807	2,193	7.7	7.2	3,368	2,579	8.3	8.4	4,050	3,053	10.1	13.1	4,451	3,261	11.1	16.0	
25		3,181	2,581	8.8	9.7	3,817	3,034	9.5	11.3	4,590	3,592	11.6	17.4	5,044	3,836	12.7	21.0	
26		3,480	2,903	9.9	12.5	4,176	3,413	10.7	14.6	5,021	4,041	13.0	22.0	5,519	4,315	14.3	26.5	
27		3,742	3,226	11.0	15.6	4,491	3,792	11.8	18.1	5,399	4,490	14.5	27.1	5,934	4,795	15.9	32.5	
28		3,929	3,548	12.1	19.0	4,715	4,172	13.0	22.0	5,669	4,939	15.9	32.6	6,231	5,274	17.5	38.8	
29		4,116	3,742	13.2	22.7	4,940	4,399	14.2	26.1	5,939	5,208	17.4	38.3	6,527	5,562	19.1	45.5	
30		4,304	3,968	14.3	26.5	5,164	4,665	15.4	30.5	6,209	5,522	18.8	44.3	6,824	5,994	20.7	52.3	
24		2,165	1,719	4.9	2.3	2,606	2,045	5.3	2.9	3,929	3,023	6.4	4.7	3,408	2,579	7.0	5.7	
25		2,454	2,023	5.6	3.3	2,954	2,406	6.0	4.0	4,453	3,557	7.4	6.4	3,862	3,034	8.0	7.8	
26		2,685	2,275	6.2	4.4	3,232	2,707	6.8	5.3	4,872	4,002	8.3	8.4	4,226	3,413	9.0	10.1	
27		2,887	2,528	6.9	5.6	3,475	3,008	7.6	6.8	5,239	4,446	9.2	10.6	4,544	3,792	10.0	12.7	
28		3,031	2,781	7.6	7.0	3,649	3,308	8.3	8.5	5,501	4,891	10.1	13.0	4,771	4,172	11.0	15.6	
29		3,176	2,933	8.3	8.5	3,822	3,489	9.1	10.3	5,763	5,158	11.0	15.6	4,999	4,399	12.0	18.6	
30		3,320	3,084	9.0	10.2	3,996	3,669	9.8	12.2	6,025	5,424	11.9	18.4	5,226	4,665	13.0	21.9	

Note  
1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

# 5. Capacity Tables

Inlet Water Temp. (°C)	Water Temp Difference (°C)	Air Temp (°C DB)	Air Temp(17°C WB)				Air Temp(19°C WB)				Air Temp(21°C WB)				Air Temp(23°C WB)			
			TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)	TC (W)	SHC (W)	Water Flow Rate (LPM)	Pressure Drop (kPa)
9	4	24	2,929	2,151	16.4	34.2	3,561	2,581	17.4	38.5	4,260	3,011	21.4	55.5	4,693	3,239	23.6	65.2
		25	3,320	2,530	18.7	43.7	4,036	3,036	19.9	49.0	4,828	3,542	24.5	69.3	5,319	3,810	27.0	80.6
		26	3,632	2,846	21.0	53.8	4,416	3,416	22.4	60.0	5,283	3,985	27.5	83.2	5,819	4,286	30.3	95.7
		27	3,905	3,163	23.4	64.3	4,748	3,795	24.9	71.3	5,680	4,428	30.6	96.9	6,257	4,763	33.7	109.9
		28	4,101	3,479	25.7	74.9	4,986	4,175	27.4	82.7	5,964	4,871	33.7	109.7	6,570	5,239	37.1	122.6
		29	4,296	3,827	28.1	85.6	5,223	4,592	29.9	93.8	6,248	5,358	36.7	121.4	6,883	5,763	40.4	133.3
	30	4,491	4,112	30.4	96.0	5,461	4,934	32.4	104.6	6,533	5,756	39.8	131.4	7,196	6,192	43.8	141.3	
	5	24	2,763	2,125	10.2	13.3	4,059	2,977	13.5	23.7	3,994	2,960	14.7	27.8	4,393	3,137	16.1	33.3
		25	3,131	2,500	11.7	17.6	4,600	3,502	15.5	30.7	4,527	3,483	16.8	35.8	4,979	3,691	18.4	42.6
		26	3,426	2,813	13.1	22.4	5,033	3,940	17.4	38.3	4,953	3,918	18.9	44.4	5,448	4,152	20.7	52.5
		27	3,683	3,126	14.6	27.5	5,412	4,378	19.3	46.3	5,325	4,353	21.0	53.5	5,858	4,614	23.0	62.7
		28	3,868	3,438	16.1	33.1	5,683	4,815	21.2	54.7	5,592	4,789	23.1	62.9	6,151	5,075	25.3	73.2
		29	4,052	3,626	17.5	38.9	5,953	5,078	23.2	63.4	5,858	5,050	25.2	72.4	6,444	5,352	27.6	83.7
	30	4,236	3,813	19.0	45.0	6,224	5,341	25.1	72.2	6,124	5,311	27.3	82.0	6,737	5,629	29.9	94.0	
	6	24	2,596	2,075	8.4	8.8	3,162	2,429	9.0	10.2	3,794	2,859	11.1	15.8	4,160	3,062	12.2	19.1
		25	2,942	2,441	9.6	11.7	3,584	2,858	10.3	13.6	4,300	3,364	12.7	20.7	4,715	3,602	13.9	24.9
		26	3,219	2,746	10.8	15.1	3,921	3,215	11.6	17.4	4,705	3,784	14.2	26.2	5,159	4,052	15.6	31.3
		27	3,462	3,051	12.0	18.7	4,216	3,572	12.9	21.5	5,059	4,205	15.8	32.1	5,547	4,502	17.4	38.2
		28	3,635	3,265	13.2	22.7	4,427	3,822	14.2	26.0	5,312	4,499	17.4	38.3	5,825	4,817	19.1	45.4
		29	3,808	3,448	14.4	26.9	4,638	4,036	15.5	30.7	5,565	4,751	19.0	44.9	6,102	5,088	20.8	52.9
	30	3,981	3,661	15.6	31.4	4,848	4,286	16.8	35.8	5,818	5,046	20.6	51.7	6,379	5,403	22.6	60.6	
	7	24	2,330	1,872	6.5	4.8	2,796	2,201	7.0	5.7	3,362	2,606	8.5	9.0	3,695	2,783	9.4	11.1
		25	2,641	2,203	7.4	6.6	3,169	2,590	8.0	7.7	3,810	3,066	9.8	12.1	4,187	3,274	10.7	14.8
		26	2,889	2,478	8.4	8.6	3,467	2,913	9.0	10.1	4,168	3,449	11.0	15.5	4,581	3,684	12.1	18.8
		27	3,106	2,753	9.3	10.8	3,728	3,237	10.0	12.6	4,482	3,833	12.2	19.3	4,926	4,093	13.4	23.3
		28	3,262	2,946	10.2	13.3	3,914	3,464	11.0	15.5	4,706	4,101	13.4	23.3	5,172	4,379	14.7	28.0
		29	3,417	3,111	11.1	16.0	4,101	3,658	12.0	18.5	4,930	4,331	14.6	27.7	5,419	4,625	16.1	33.1
	30	3,572	3,304	12.1	18.8	4,287	3,885	13.0	21.7	5,155	4,599	15.9	32.3	5,665	4,912	17.4	38.5	
	8	24	1,797	1,468	4.1	1.4	2,163	1,746	4.5	1.8	3,262	2,581	5.4	3.0	2,829	2,201	5.9	3.8
		25	2,037	1,726	4.7	2.1	2,452	2,054	5.1	2.6	3,697	3,036	6.2	4.3	3,206	2,590	6.7	5.2
26		2,229	1,942	5.3	2.8	2,683	2,311	5.7	3.5	4,045	3,416	7.0	5.7	3,508	2,913	7.6	6.9	
27		2,396	2,158	5.8	3.7	2,885	2,567	6.4	4.6	4,349	3,795	7.7	7.2	3,772	3,237	8.4	8.8	
28		2,516	2,309	6.4	4.7	3,029	2,747	7.0	5.7	4,567	4,061	8.5	9.0	3,961	3,464	9.3	10.8	
29		2,636	2,439	7.0	5.8	3,173	2,901	7.6	7.0	4,784	4,289	9.3	10.8	4,149	3,658	10.1	13.0	
30	2,756	2,590	7.6	6.9	3,317	3,081	8.3	8.4	5,001	4,554	10.1	12.9	4,338	3,885	10.9	15.4		

**Note**

1. TC : Total capacity(W), SHC : Sensible Heat Capacity(W)

## 5. Capacity Tables

### 5.2 Heating Capacity

#### ◆ WFCA012RG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
2.0	0	40	1,032	974	917
		50	1,660	1,566	1,476
		60	2,196	2,072	1,952
3.0	0.5	40	1,301	1,228	1,157
		50	2,093	1,975	1,860
		60	2,769	2,612	2,461
4.0	1.2	40	1,395	1,316	1,240
		50	2,244	2,117	1,994
		60	2,968	2,800	2,638
7.0	5.1	40	1,458	1,375	1,295
		50	2,345	2,212	2,084
		60	3,102	2,926	2,756
10.0	9.1	40	1,500	1,415	1,333
		50	2,412	2,276	2,144
		60	3,191	3,010	2,835

#### ◆ WFCA018RG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
2.0	0	40	1,475	1,391	1,311
		50	2,372	2,238	2,108
		60	3,138	2,960	2,788
4.0	1.2	40	1,859	1,754	1,652
		50	2,991	2,821	2,658
		60	3,956	3,732	3,516
5.6	3.3	40	1,993	1,880	1,771
		50	3,205	3,024	2,849
		60	4,240	4,000	3,768
9.0	7.8	40	2,082	1,965	1,851
		50	3,350	3,160	2,977
		60	4,431	4,180	3,938
12.0	11.7	40	2,142	2,021	1,904
		50	3,446	3,251	3,062
		60	4,558	4,300	4,051

#### ◆ WFCA025RG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
3.0	0	40	1,770	1,669	1,573
		50	2,846	2,685	2,530
		60	3,765	3,552	3,346
5.0	2.3	40	2,231	2,105	1,983
		50	3,589	3,386	3,189
		60	4,747	4,478	4,219
7.4	7.6	40	2,391	2,256	2,125
		50	3,847	3,629	3,418
		60	5,088	4,800	4,522
10.0	13.4	40	2,499	2,358	2,221
		50	4,020	3,792	3,572
		60	5,317	5,016	4,725
13.0	20.0	40	2,571	2,425	2,285
		50	4,135	3,901	3,675
		60	5,470	5,160	4,861

## 5. Capacity Tables

### ◆ WFCA032RG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
5.0	2.3	40	2,157	2,035	1,917
		50	3,469	3,273	3,083
		60	4,589	4,329	4,078
7.0	6.7	40	2,719	2,565	2,416
		50	4,374	4,126	3,887
		60	5,786	5,458	5,141
9.3	11.8	40	2,914	2,750	2,590
		50	4,688	4,423	4,166
		60	6,201	5,850	5,511
12.0	17.8	40	3,046	2,873	2,707
		50	4,899	4,622	4,354
		60	6,480	6,113	5,759
15.0	24.4	40	3,133	2,956	2,784
		50	5,040	4,754	4,479
		60	6,666	6,289	5,924

### ◆ WFCA039RG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
7.0	5.7	40	2,433	2,295	2,162
		50	3,914	3,692	3,478
		60	5,177	4,884	4,601
10.0	12.7	40	3,068	2,894	2,726
		50	4,935	4,655	4,385
		60	6,527	6,158	5,801
13.3	22.9	40	3,288	3,102	2,922
		50	5,289	4,990	4,700
		60	6,996	6,600	6,217
16.0	32.8	40	3,436	3,242	3,054
		50	5,527	5,214	4,912
		60	7,311	6,897	6,497
19.0	45.0	40	3,535	3,335	3,141
		50	5,686	5,364	5,053
		60	7,521	7,095	6,683

### ◆ WFCA055RG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp.(°C DB)		
			18°C	20°C	22°C
11.0	15.6	40	3,097	2,922	2,752
		50	4,981	4,699	4,427
		60	6,589	6,216	5,855
14.0	25.3	40	3,904	3,683	3,470
		50	6,280	5,925	5,581
		60	8,307	7,837	7,383
17.0	36.7	40	4,185	3,948	3,719
		50	6,731	6,350	5,982
		60	8,904	8,400	7,913
20.0	49.3	40	4,373	4,126	3,886
		50	7,034	6,636	6,251
		60	9,305	8,778	8,269
23.0	65.6	40	4,499	4,244	3,998
		50	7,236	6,827	6,431
		60	9,572	9,030	8,506

# 5. Capacity Tables

◆ WFC A066RG0A

Water Flow Rate (LPM)	Pressure Drop (kPa)	Inlet Water Temp. (°C)	Heating Capacity (W)		
			Inlet Air Temp. (°C DB)		
			18 °C	20 °C	22 °C
15.0	29.0	40	4,129	3,895	3,669
		50	6,642	6,266	5,902
		60	8,785	8,288	7,807
18.0	40.8	40	5,206	4,911	4,626
		50	8,374	7,900	7,442
		60	11,077	10,450	9,844
21.7	56.8	40	5,580	5,264	4,959
		50	8,975	8,467	7,976
		60	11,872	11,200	10,550
25.0	71.7	40	5,831	5,501	5,182
		50	9,379	8,848	8,335
		60	12,406	11,704	11,025
28.0	85.3	40	5,998	5,659	5,331
		50	9,648	9,102	8,574
		60	12,762	12,040	11,342

## 6. External Static Pressure (E.S.P) & Air Flow

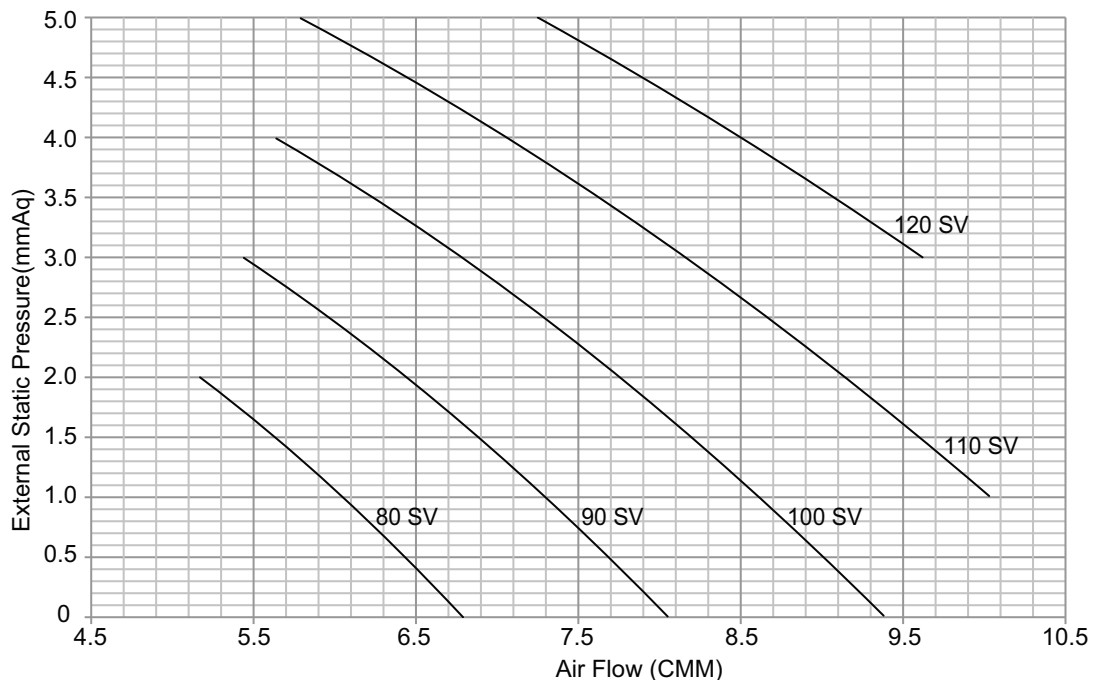
### ◆ WFC A012RG0A, WFC A018RG0A

Setting Value	Static Pressure(mmAq(Pa))					
	0 (0)	1 (10)	2 (20)	3 (29)	4 (39)	5 (49)
	Air Flow Rate (m³/min)					
60	-	-	-	-	-	-
65	5.03	-	-	-	-	-
70	5.60	4.85	-	-	-	-
75	6.19	5.44	4.57	-	-	-
80	6.79	6.05	5.17	-	-	-
85	7.41	6.67	5.80	4.80	-	-
90	8.05	7.31	6.43	5.44	-	-
95	8.71	7.96	7.09	6.09	4.97	-
100	9.38	8.63	7.76	6.76	5.64	-
105	10.07	9.32	8.45	7.45	6.33	5.08
110	-	10.03	9.16	8.16	7.04	5.79
115	-	-	9.88	8.88	7.76	6.51
120	-	-	-	9.62	8.50	7.25
125	-	-	-	10.38	9.26	8.01
130	-	-	-	-	10.03	8.78

### Note

1. The above table shows the correlation between the air rates and E.S.P.
2. The above table shows the available E.S.P. range.
3. If the E.S.P. of the installed indoor is less than the lowest value(as mention in the table), indoor components can be failed.

### ◆ Fan Performance (WFC A012RG0A, WFC A018RG0A)





## 6. External Static Pressure (E.S.P) & Air Flow

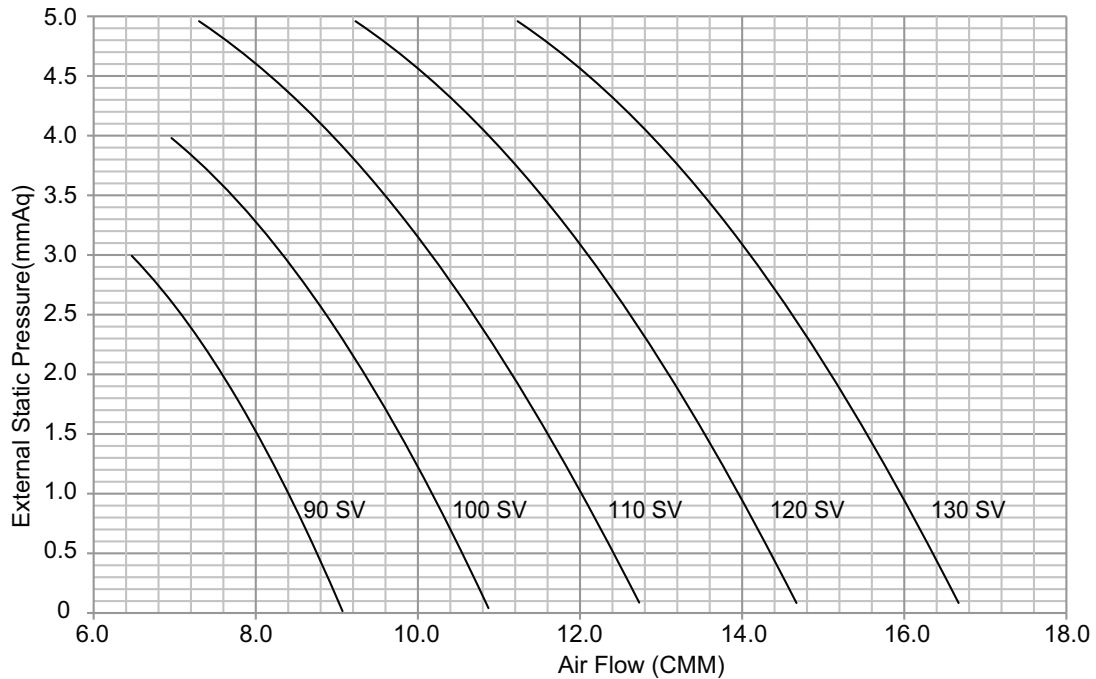
### ◆ WFC A025RG0A, WFC A032RG0A

Setting Value	Static Pressure(mmAq(Pa))					
	0 (0)	1 (10)	2 (20)	3 (29)	4 (39)	5 (49)
	Air Flow Rate (m³/min)					
75	6.50	-	-	-	-	-
80	7.34	6.70	-	-	-	-
85	8.20	7.55	6.69	-	-	-
90	9.07	8.43	7.56	6.47	-	-
95	9.96	9.32	8.45	7.36	-	-
100	10.87	10.22	9.36	8.27	6.96	-
105	11.79	11.15	10.28	9.19	7.89	6.35
110	12.73	12.09	11.22	10.14	8.83	7.30
115	13.69	13.05	12.18	11.09	9.78	8.25
120	14.67	14.02	13.16	12.07	10.76	9.23
125	15.66	15.01	14.15	13.06	11.75	10.22
130	16.67	16.02	15.16	14.07	12.76	11.23
135	-	-	16.18	15.10	13.79	12.26

### Note

1. The above table shows the correlation between the air rates and E.S.P.
2. The above table shows the available E.S.P. range.
3. If the E.S.P. of the installed indoor is less than the lowest value(as mention in the table), indoor components can be failed.

### ◆ Fan Performance (WFC A025RG0A, WFC A032RG0A)



## 6. External Static Pressure (E.S.P) & Air Flow

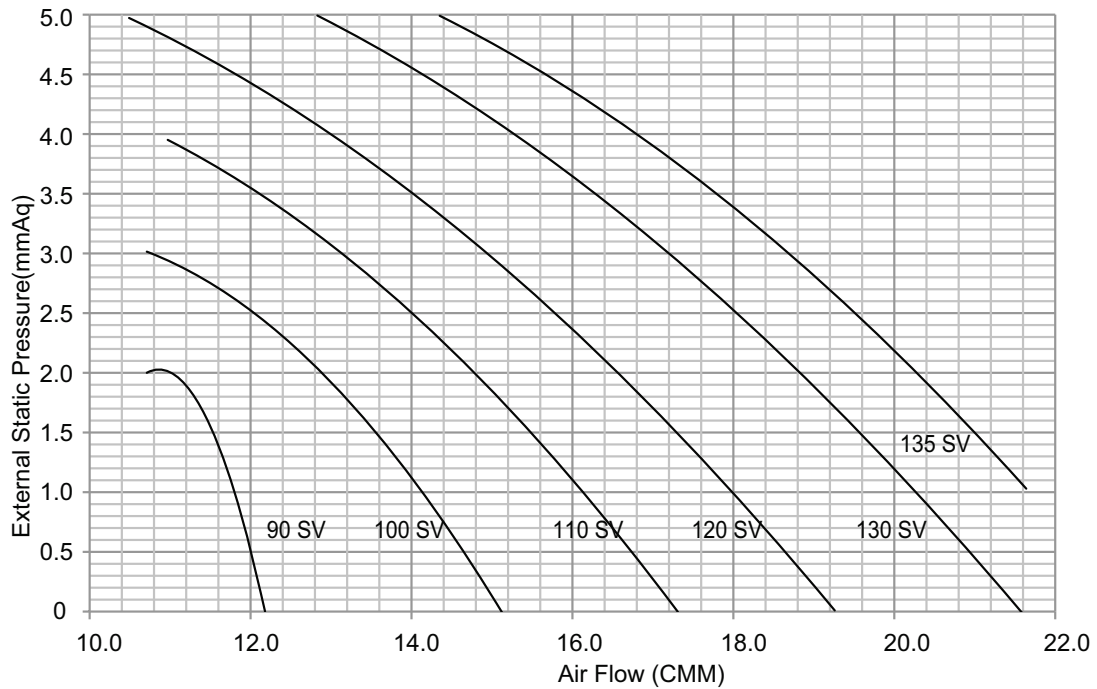
### ◆ WFCA039RG0A WFCA055RG0A, WFCA066RG0A

Setting Value	Static Pressure(mmAq(Pa))					
	0 (0)	1 (10)	2 (20)	3 (29)	4 (39)	5 (49)
	Air Flow Rate (m³/min)					
85	10.19	-	-	-	-	-
90	12.18	10.71	11.09	-	-	-
95	13.81	12.34	12.19	-	-	-
100	15.16	13.69	13.38	10.71	-	-
105	16.30	14.83	14.36	11.85	-	-
110	17.31	15.85	15.23	12.86	10.97	-
115	18.27	16.80	16.07	13.82	11.93	-
120	19.26	17.79	16.93	14.80	12.91	10.49
125	20.34	18.87	17.89	15.88	13.99	11.57
130	21.60	20.13	19.01	17.14	15.25	12.83
135	-	21.64	20.36	18.66	16.76	14.35
139	-	-	21.08	20.00	17.34	15.29

### Note

1. The above table shows the correlation between the air rates and E.S.P.
2. The above table shows the available E.S.P. range.
3. If the E.S.P. of the installed indoor is less than the lowest value(as mention in the table), indoor components can be failed.

### ◆ Fan Performance (WFCA039RG0A WFCA055RG0A, WFCA066RG0A)



## 7. Electric Characteristics

Unit					Power Supply		IFM		PI	
Model	Type	Hz	Volts	Voltage Range	MCA	MFA	kW	FLA	cooling	Heating
WFOA012RG0A	L1	50	220-240	Max : 264 Min : 198	0.36	15	0.019	0.29	8	8
WFOA018RG0A	L1				0.39	15	0.019	0.31	17	17
WFOA025RG0A	L2				0.40	15	0.024	0.32	20	20
WFOA032RG0A	L2				0.44	15	0.024	0.35	27	27
WFOA039RG0A	L3				0.46	15	0.038	0.37	29	29
WFOA055RG0A	L3				0.55	15	0.038	0.44	44	44
WFOA066RG0A	L3				0.89	15	0.038	0.71	81	81
WFOA012RG0A	L1	60	220-240	Max : 242 Min : 198	0.36	15	0.019	0.29	8	8
WFOA018RG0A	L1				0.39	15	0.019	0.31	17	17
WFOA025RG0A	L2				0.40	15	0.024	0.32	20	20
WFOA032RG0A	L2				0.44	15	0.024	0.35	27	27
WFOA039RG0A	L3				0.46	15	0.038	0.37	29	29
WFOA055RG0A	L3				0.55	15	0.038	0.44	44	44
WFOA066RG0A	L3				0.89	15	0.038	0.71	81	81

### Symbols

**MCA** : Minimum Circuit Amperes (A)

**MFA** : Maximum Fuse Amperes (A)

**kW** : Fan Motor Rated Output (kW)

**FLA** : Full Load Amperes (A)

**IFM** : Indoor Fan Motor

**PI** : Maximum Power Input (W)

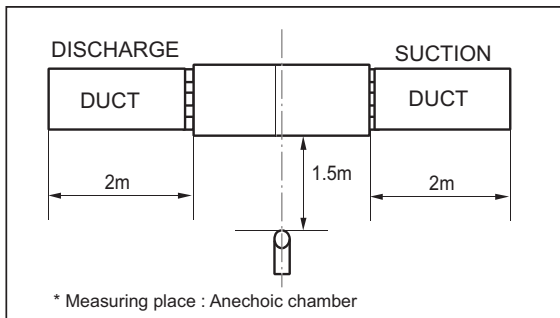
### Note

- Voltage range  
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above the listed range limits.
- Maximum allowable voltage unbalance between phases is 2%.
- MCA/MFA  
MCA=1.25 x FLA  
MFA ≤ 4 x FLA  
(Next lower standard fuse rating. Minimum 15A)
- Select wire size based on the MCA
- Instead of fuse, use Circuit Breaker.

# 8. Sound Levels

## 8.1 Sound Pressure Levels

### Overall

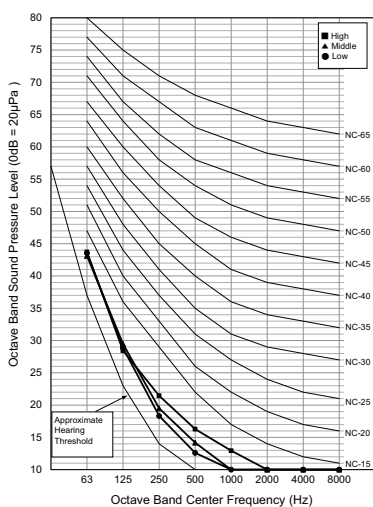


**Note**

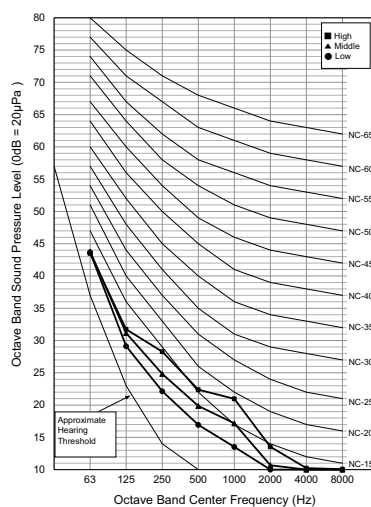
1. Sound measured at some distance away from the center of the unit.
2. Data is valid at free field condition.
3. Reference acoustic pressure 0dB = 20μPa.
4. Data is valid at nominal operation condition. Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
5. Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
6. Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
7. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Therefore, these values can be increased owing to ambient conditions during operation.

Model	Sound Pressure Levels [dB(A)]		
	H	M	L
WFCA012RG0A	29.0	28.5	28.0
WFCA018RG0A	31.0	30.0	29.0
WFCA025RG0A	29.0	28.5	28.0
WFCA032RG0A	30.0	29.5	29.0
WFCA039RG0A	26.5	25.6	24.9
WFCA055RG0A	30.0	26.5	25.3
WFCA066RG0A	36.6	33.4	29.9

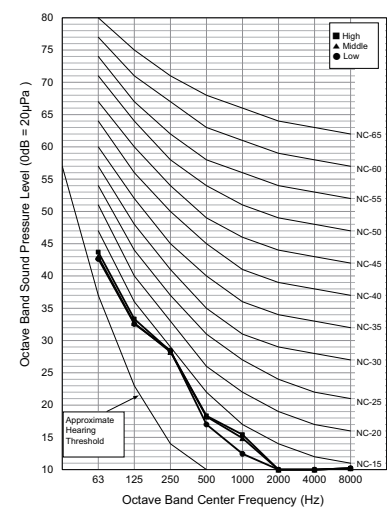
**WFCA012RG0A**



**WFCA018RG0A**

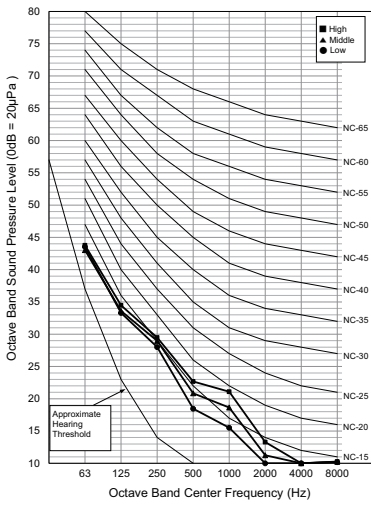


**WFCA025RG0A**

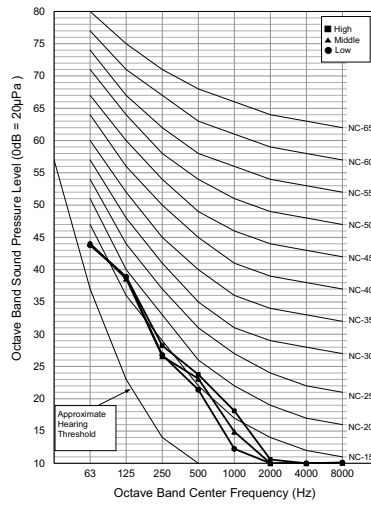


# 8. Sound Levels

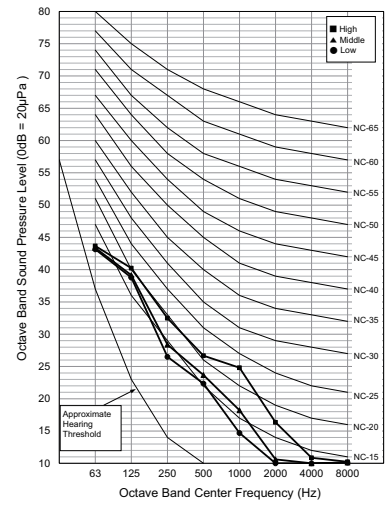
**WFCA032RG0A**



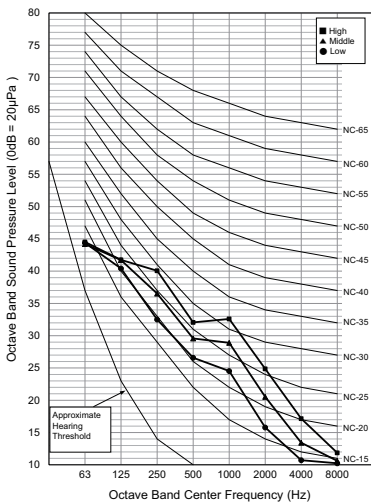
**WFCA039RG0A**



**WFCA055RG0A**



**WFCA066RG0A**



# 8. Sound Levels

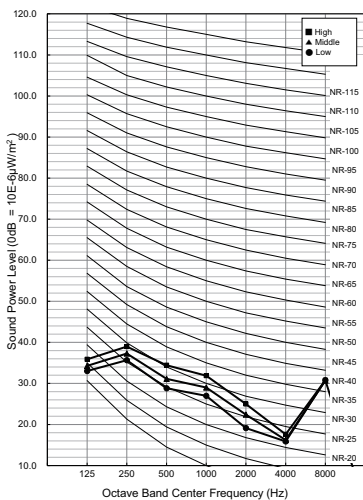
## 8.2 Sound Power Levels

### Note

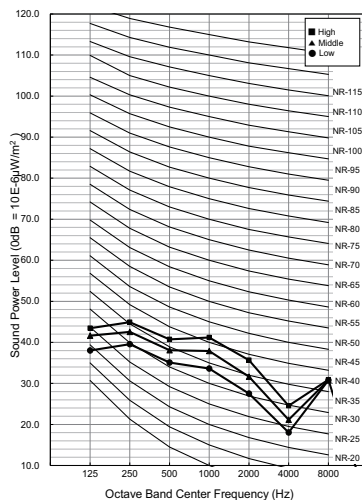
- Data is valid at diffuse field condition
- Data is valid at nominal operating condition
- Sound level can be increased in static pressure mode or used air guide.
- Sound power level is measured on the rated condition in the reverberation rooms.
- Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
- Reference acoustic intensity  $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.

Model	Sound Power Levels [dB(A)]		
	H	M	L
WFCA012RG0A	21.8	21.0	20.7
WFCA018RG0A	26.3	23.9	22.2
WFCA025RG0A	24.3	23.9	23.4
WFCA032RG0A	27.0	25.6	24.2
WFCA039RG0A	26.5	25.6	24.9
WFCA055RG0A	30.0	26.5	25.3
WFCA066RG0A	36.6	33.4	29.9

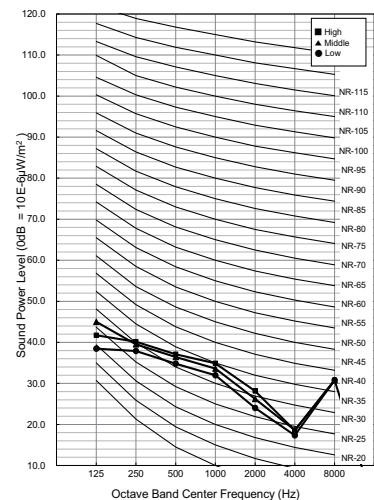
WFCA012RG0A



WFCA018RG0A

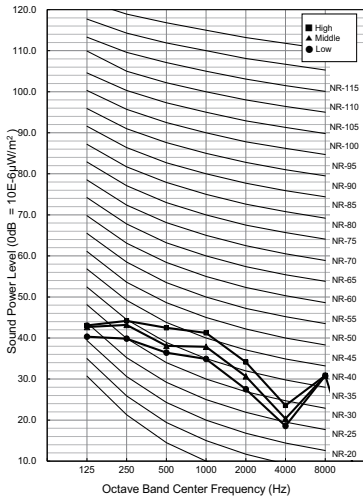


WFCA025RG0A

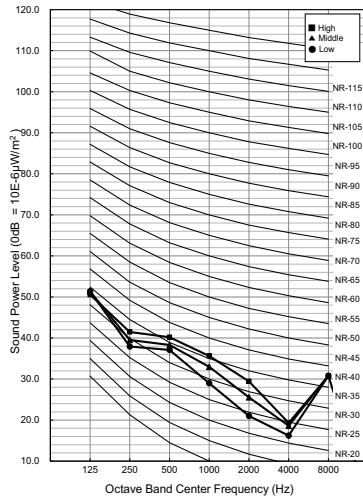


# 8. Sound Levels

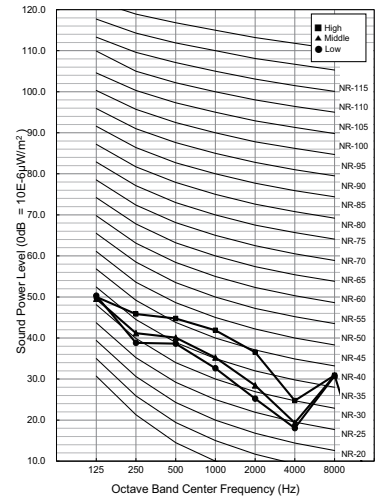
**WFCA032RG0A**



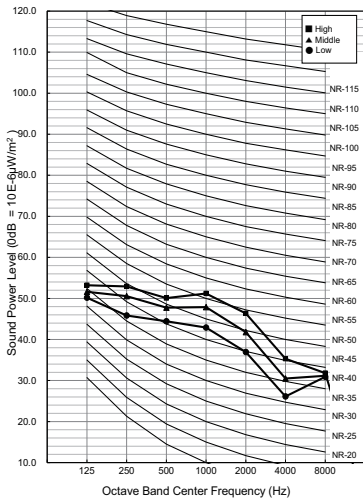
**WFCA039RG0A**



**WFCA055RG0A**



**WFCA066RG0A**

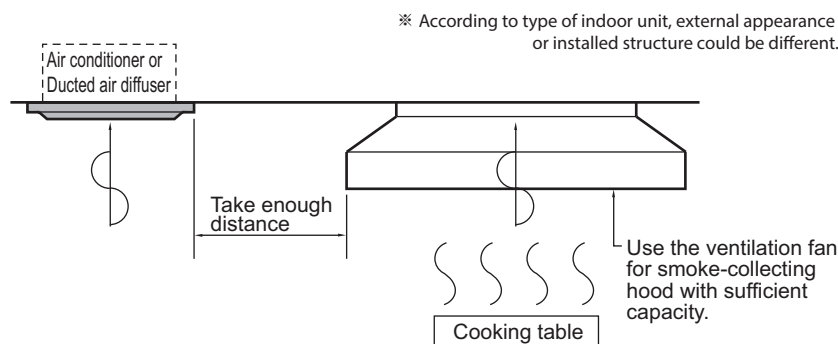


## 9. Installation

- Please read the instruction sheets completely before installing the product.
- When the power cord is damaged, replacement work shall be performed by authorized personnel only.
- Installation work must be performed in accordance with the national wiring standards.
- Teach the customer the operation and maintenance procedures, using the operation manual. (air filter cleaning, temperature control, etc.)

### 9.1 Selection of the best location

- The place where room air circulation is good.
- Do not install the unit near the door.
- There should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- The place where the indoor unit can be connected with outdoor unit easily.
- The place where the unit is leveled.
- The place shall allow easy water drainage.
- The place where bear a load exceeding four times of the indoor unit weight.
- The mounting ceiling or wall should be solid enough to protect it from the vibration.
- The place where the unit is not affected by an electrical noise.
- The place where noise prevention is taken into consideration.
- The place where the maintenance space for product is sufficient. (The servicing inspection hole of the ceiling should be larger than the indoor unit.)
- The selection of the servicing inspection hole should be approved by the customer.
- There should not be any heat source or steam near the unit. Avoid the following installation location.
  1. Such places as restaurants and kitchen where considerable amount of oil steam and flour is generated. These may cause heat exchange efficiency reduction, or water drops, drain pump mal-function. In these cases, take the following actions;
    - Make sure that ventilation fan is enough to cover all noxious gases from this place.
    - Ensure enough distance from the cooking room to install the air conditioner in such a place where it may not suck oily steam.



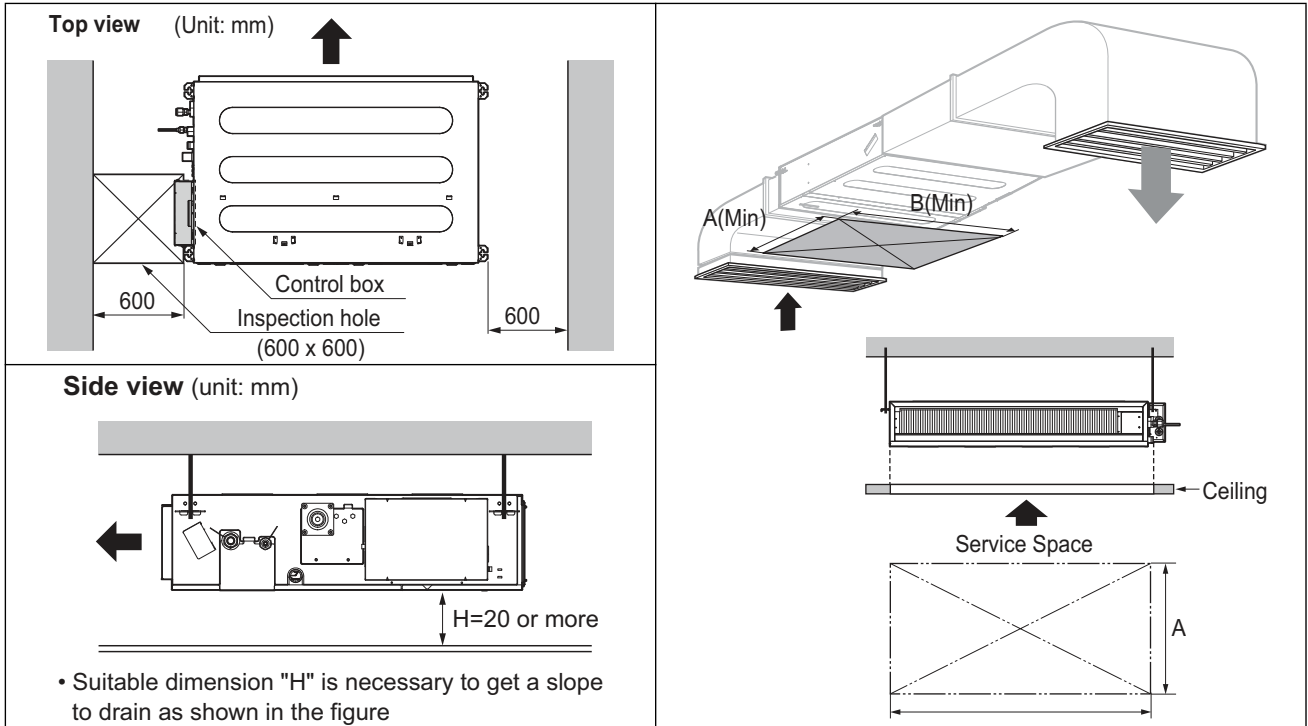
2. Avoid installing air conditioner in such places where cooking oil or iron powder is generated.
3. Avoid places where inflammable gas is generated.
4. Avoid place where noxious gas is generated.
5. Avoid places near high frequency generators.



# 9. Installation

## ⚠ CAUTION

- If the temperature rise above 30°C or the humidity rise above RH 80%, the dew-protective kit should be equipped or use additional insulation to the indoor unit body.
  - "Dew Protective kit" is sold separately.
  - Use the glass wool material or polyethylene foam and it make sure to be thick of 10mm at least.



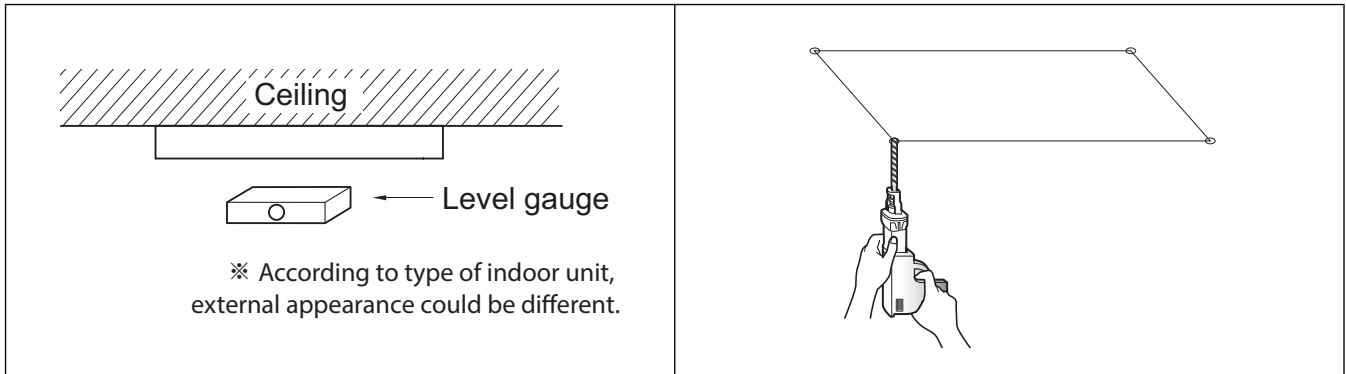
Chassis code	A [mm]	B [mm]
L1	800	800
L2	800	1,000
L3	800	1,200

## 9. Installation

### 9.2 Ceiling dimension and hanging bolt location

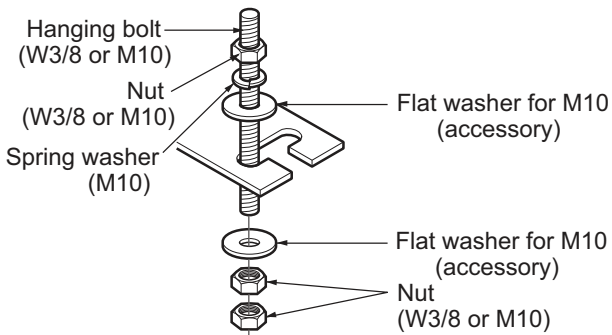
#### ⚠ CAUTION

- During the installation, care should be taken not to damage electric wires.
- In case of using a drain pump, install the unit horizontally using a level gauge.



1. The dimensions of the paper model for installation are the same as those of the ceiling opening dimensions.
2. Select and mark the position for fixing bolts and piping hole.
3. Decide the position for fixing bolts slightly tilted to the drain direction after considering the direction of drain hose.
4. Drill the hole for anchor bolt on the wall or ceiling.
  - Insert the set anchor and washer onto the suspension bolts for locking the suspension bolts on the ceiling.
  - Mount the suspension bolts to the set anchor firmly.
  - Secure the installation plates onto the suspension bolts (adjust level roughly) using nuts, washers and spring washers.
5. In case of ducted type unit, apply a joint-canvas between the unit and duct to absorb unnecessary vibration.

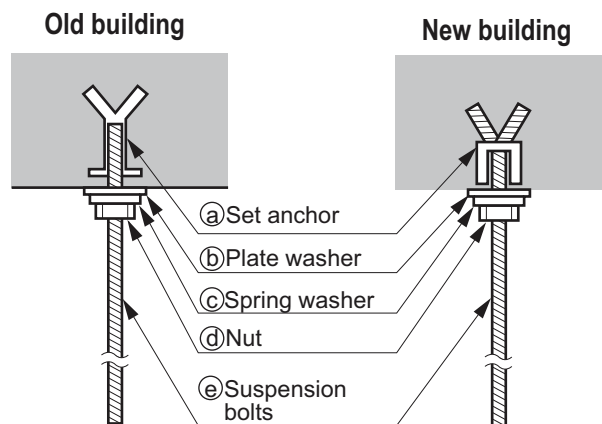
# 9. Installation



- The following parts are local purchasing.
  1. Hanging bolt - W 3/8 or M10
  2. Nut - W 3/8 or M10
  3. Spring washer - M10
  4. Plate washer - M10

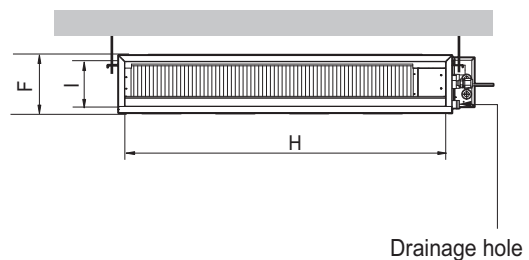
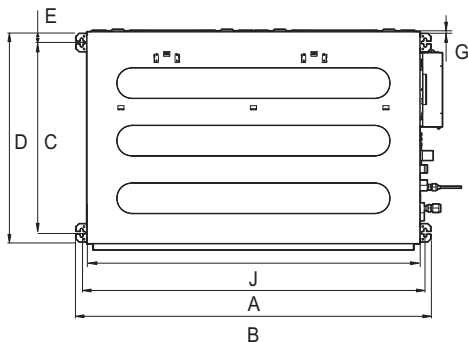
**CAUTION**

- Tighten the nut and bolt to prevent the unit from falling.
- When mechanical connectors are reused indoors, sealing parts shall be renewed. (for R32)
- When flared joints are reused indoors, the flare part shall be re-fabricated. (for R32)



## Installation of Unit

Install the unit above the ceiling correctly.



Chassis	Dimension (mm)									
	A	B	C	D	E	F	G	H	I	J
L1	733	772	628	700	36	190	20	660	155	700
L2	933	972	628	700	36	190	20	860	155	900
L3	1,133	1,172	628	700	36	190	20	1,060	155	1,100

## 9. Installation

---

### 9.3 Connecting cables between Indoor Unit and Outdoor Unit

#### 9.3.1 General instructions

- All field supplied parts and materials, electric works must conform to local codes. Use copper wire only.
  - Follow the "**WIRING DIAGRAM**" attached to the unit body to wire the outdoor unit, indoor units and the remote controller.
  - All wiring must be performed by an authorized electrician.
  - A circuit breaker capable of shutting down the power supply to the entire system must be installed.
- 

#### CAUTION

After the confirmation of the above conditions, prepare the wiring as follows:

- Never fail to have separate power specially for the air conditioner.
  - Provide a circuit breaker switch between power source and the unit.
  - Confirm the Specification of power source.
  - Confirm that electrical capacity is sufficient.
  - Be sure that the starting voltage is maintained at more than 90 percent of the rated voltage marked on the name plate.
  - Confirm that the cable thickness is as specified in the power sources specification.  
(Particularly note the relation between cable length and thickness.)
  - Do not install the leakage breaker in a place which is wet or moist.  
Water or moist may cause short circuit.
  - The following troubles would be caused by voltage drop-down.
    - » Vibration of a magnetic switch, damage on the contact point there of, fuse breaking, disturbance to the normal function of a overload protection device.
    - » Proper starting power is not given to the compressor.
- 

#### 9.3.2 Wiring connection

- Connect the wires to the terminals on the control board individually according to the outdoor unit connection.
- Ensure that the color of the wires of outdoor unit and the terminal No. are the same as those of indoor unit respectively.
- In case of the system with multiple indoor units, mark each indoor unit as unit A, unit B, etc and be sure the terminal board wiring to the outdoor unit and indoor units are properly matched. If wiring and piping between the outdoor unit and an indoor unit are mismatched, the system may cause a malfunction.

#### 9.3.3 Clamping of cables

1. Arrange 2 power cables on the control panel.
2. First, fasten the steel clamp with a screw to the inner boss of control panel.
3. For connecting of communication (transmission) cable, put the cable(or thinner cable) on the clamp and tighten it with a plastic clamp to the other boss of the control panel. In case that communication (transmission) cable is not needed to connect, fix the other side of the clamp with a screw strongly.

## 9. Installation

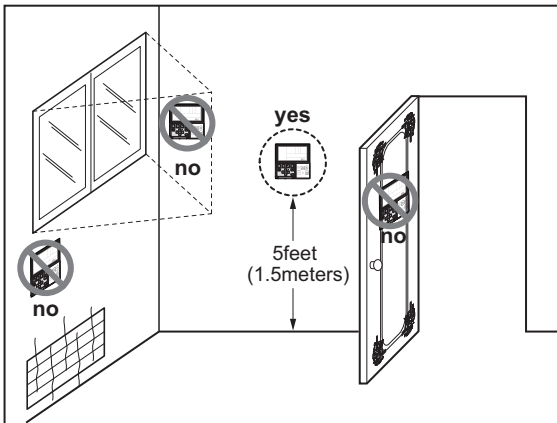
### ⚠ WARNING

- Make sure that the screws of the terminal are fixed tightly.
- The screw which fasten the wiring in the casing of electrical fittings are liable to come loose from vibrations to which the unit is subjected during the course of transportation. Check them and make sure that they are all tightly fastened. (If they are loose, it could give rise to burn-out of the wires.)
- Make sure to attach the sealing material or (field supplied) to hole of wiring to prevent the infiltration of foreign particle from outside. Otherwise a short-circuit may occur inside the electric parts box.
- When clamping the wires, be sure no pressure is applied to the wire connections by using the included clamping material to make appropriate clamps. Also, when wiring, make sure the cover on the electric parts box fits snugly by arranging the wires neatly and attaching the electric parts box cover firmly. When attaching the electric parts box cover, make sure no wires get caught in the edges. Pass wiring through the wiring through holes to prevent damage to them.
- Make sure the remote controller wiring, the wiring between the units, and other electrical wiring do not pass through the same locations outside of the unit, separating them properly, otherwise electrical noise (external static) could cause product malfunction.

### 9.3.4 Wire Remote Controller Installation (Optional)

Since the room temperature sensor is in the remote controller, the remote controller box should be installed in a place away from direct sunlight, high humidity and direct supply of cold air to maintain proper space temperature.

Install the remote controller about 5ft(1.5m) above the floor in an area with good air circulation at an average temperature.



#### • Do not install the remote controller where it can be affected by :

- Drafts, or dead spots behind doors and in corners.
- Hot or cold air from ducts.
- Radiant heat from sun or appliances.
- Concealed pipes and chimneys.
- Uncontrolled areas such as an outside wall behind the remote controller.
- This remote controller is equipped with a seven segment LED. display. For proper display of the remote controller LED's, the remote controller should be installed properly. (The standard height is 1.2~1.5 m from floor level.)

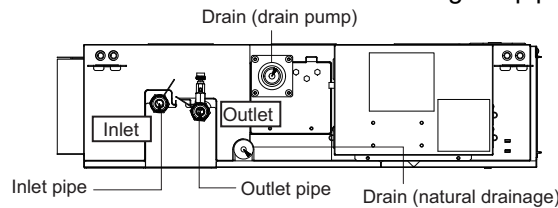
## 9. Installation

### 9.3.5 Piping Installation

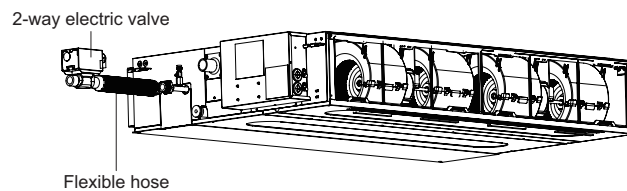
#### ⚠ CAUTION

- A difference in pipe fitting standards could cause leakage.
- When installing, use parts with the same specifications as the product.
- Product's pipe fitting specifications: PF 3/4
- Cover all of the water pipes with insulation.

1. Check the location of the product's inlet and outlet before connecting the pipes.

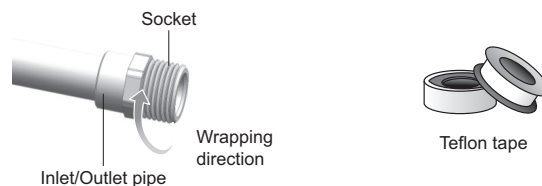


- 2.



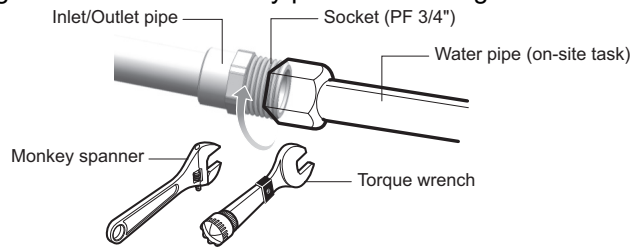
#### ⚠ CAUTION

- Be sure to install the 2-way electric valve. Not installing the 2-way electric valve could result in product malfunction and the formation of condensation.
  - Connecting the water pipes in the opposite directions could result in decreased capacity, noise, and product malfunction.
  - Be careful that the water temperature does not go higher than the maximum temperature allowed by the 2-way electric valve.
  - If the pipe temperature is 5 °C or lower or the indoor temperature is 2 °C or lower, the freeze protection function will operate, automatically opening the 2-way electric valve. Run the pump so that water will circulate in order to prevent freezing. If the valve is not open, run the product. Then, open the valve.
  - When installing the 2-way electric valve, you must use double insulated wire as the connecting wire.
  - Connecting wire should be firmly affixed to pipes so that it doesn't sag.
  - If sagging connecting wire comes in contact or is submerged in water, it could result in fire or electrical shock.
3. Use Teflon tape to fully wrap (10-15 times) the threading of the inlet/outlet pipe socket, following the direction of the screw.



## 9. Installation

4. Connect the water pipe to the product's pipe socket (PF 3/4"). After removing foreign substances from inside the pipe, circulate water through to check whether any parts are leaking



### **CAUTION**

- When connecting the pipes, use both tools to ensure that the pipes are sufficiently tightened, as shown in the above picture. Not using the tools could result in leakage.
  - When circulating water, open the air vent and use the tube to remove water in order to fully remove the air inside the valve pipe and coil. Then close the valve. Not doing this could result in decreased performance and noise.
5. If water is not managed properly, corrosion, slime, and erosion can occur. This not only decreases performance, but damages the product. Therefore, have a water quality manager make sure that the water quality standards listed in the chart below are always met.

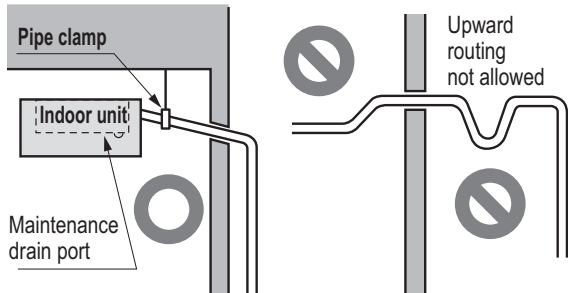
	Item	Cold water
Standards	PH (25 °C)	6.5-8.0
	CONDUCTIVITY (25 °C μs/cm)	under 200
	ALKALINITY (PPM)	under 50
	WATER HARDNESS (PPM)	under 50
	CHLORIDE IONS (PPM)	under 50
	LACTATE IONS (PPM)	under 50
	IRON (PPM)	under 0.3
	SULFUR IONS (PPM)	Not Detected
	AMMONIUM IONS (PPM)	under 0.2
	SILICA (PPM)	under 30

## 9. Installation

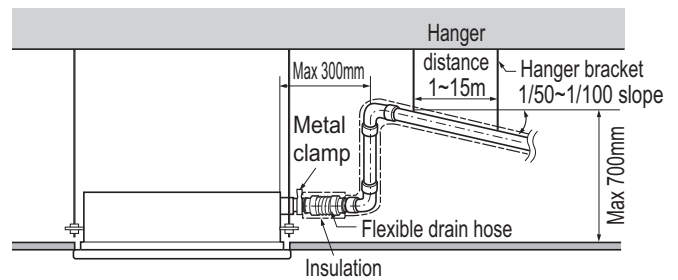
### 9.4 Indoor Unit Drain Piping

#### 9.4.1 Drain piping of indoor unit with drain pump

- Drain piping must have down-slope (1/50 to 1/100). Be sure not to provide up-and-down slope to prevent reversal flow.
- During drain piping connection, be careful not to exert force on the drain port on the indoor unit.
- The outside diameter of the drain connection on the indoor unit is 32 mm (1-1/4 inch).
  - Piping material: Use the Polyvinyl chloride pipe, 25 mm (1 inch) pipe fittings.

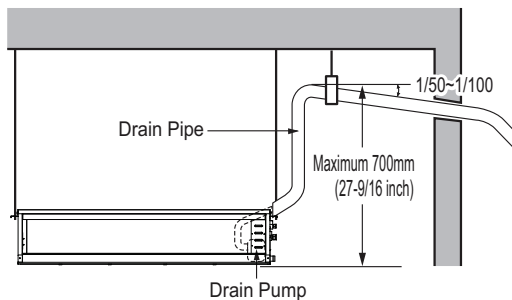


※ According to type of indoor unit, external appearance could be different.

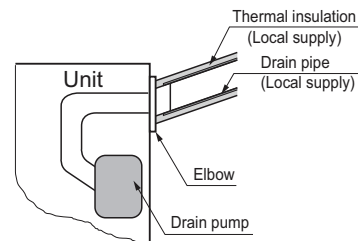


※ According to type of indoor unit, external appearance could be different.

- Possible drain head height is upto 700 mm (27-6/19 inch). So the drain head should be installed below 700 mm (27-6/19 inch).
- Be sure to install heat insulation on the drain piping.
  - Heat insulation material: Polyethylene foam with thickness more than 8 mm (5/16 inch).



※ According to type of indoor unit, external appearance could be different.

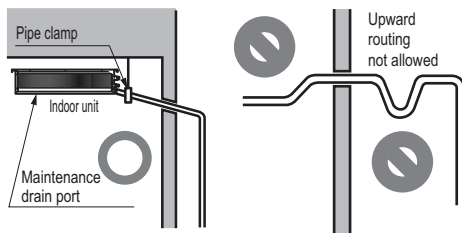




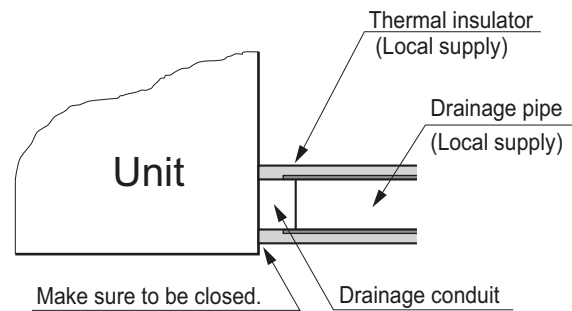
## 9. Installation

### 9.4.2 Drain pipe connection without drain pump

- Drain piping must have down-slope (1/50 to 1/100). Be sure not to provide up-and-down slope to prevent reversal flow.
- During drain piping connection, be careful not to exert force on the drain port on the indoor unit.
- The outside diameter of the drain connection on the indoor unit and drain piping fittings should be referenced from 'Specifications' of each models.
  - Piping material: Use the Polyvinyl chloride pipe.
- Be sure to install heat insulation on the drain piping.
  - Heat insulation material: Polyethylene foam with thickness more than 8 mm (5/16 inch).



\* U-trap is not required for low static model in which the external static pressure is below 50 pa(5mm Aq)



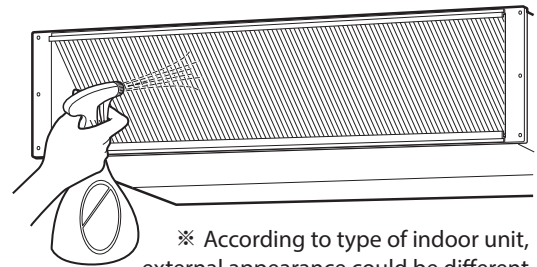
## 9. Installation

### 9.4.3 Method of Drainage test

#### ◆ Drainage test of indoor unit

Use the following procedure to test the drainage.

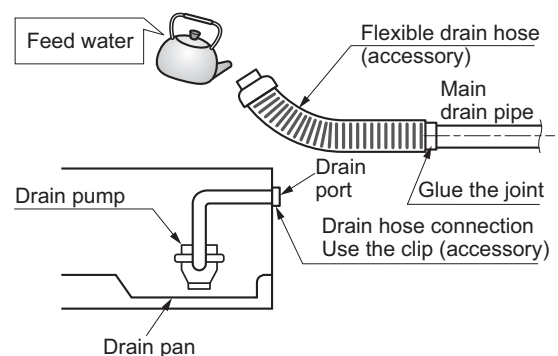
1. In case that there are air filter, remove the air filter first.
2. Spray one or two glasses of water on the evaporator.
3. Check the drainage. Ensure that water flows through drain hose of indoor unit without any leakage.



#### ◆ Drainage test of indoor unit with drain pump

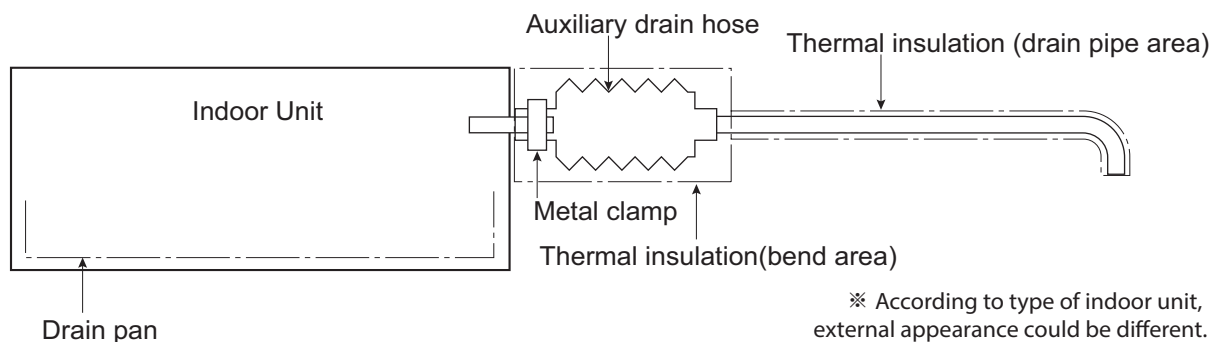
Use the following procedure to test the drain pump operation.

1. Connect the main drain pipe to the exterior and leave it provisionally until the test comes to an end.
2. Feed water to the flexible drain hose and check the piping for leakage.
3. Be sure to check the drain pump for normal operating and noise when electrical wiring is complete.
4. When the test is complete, connect the flexible drain hose to the drain port on the indoor unit.



### 9.4.4 Connection of an auxiliary(flexible) drain hose

- To connect drain pipe to the drain socket on the indoor unit, an auxiliary flexible drain hose should be used. auxiliary flexible drain hose allows that the drain pipe can be connected to the socket without breaking by excessive strain.



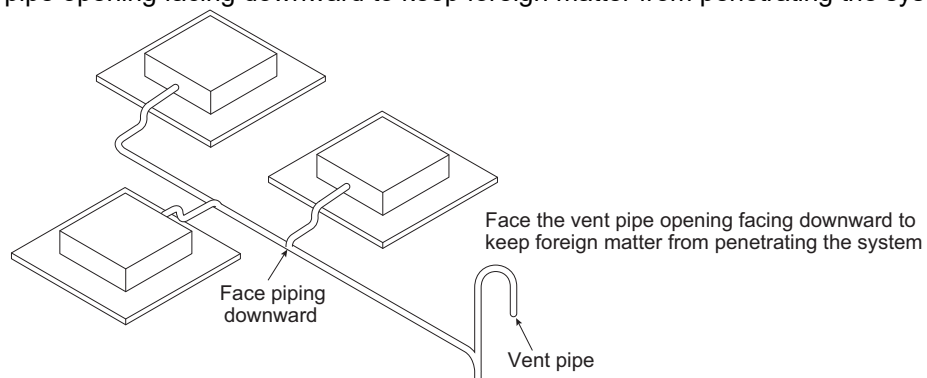
#### ⚠ CAUTION

- The supplied flexible drain hose should not be curved, neither screwed. The curved or screwed hose may cause a leakage of water.
- It is need to insulate the auxiliary drain hose with thermal insulation material.

## 9. Installation

### 9.4.5 Ground drain piping

- It is standard work practice to make connections to the main pipe from above. The pipe down from the combination should be as large as possible.
- The pipe work should be kept as short as possible and the number of indoor units per group kept to a minimum.
- Face the vent pipe opening facing downward to keep foreign matter from penetrating the system.





**Air Solution**

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