

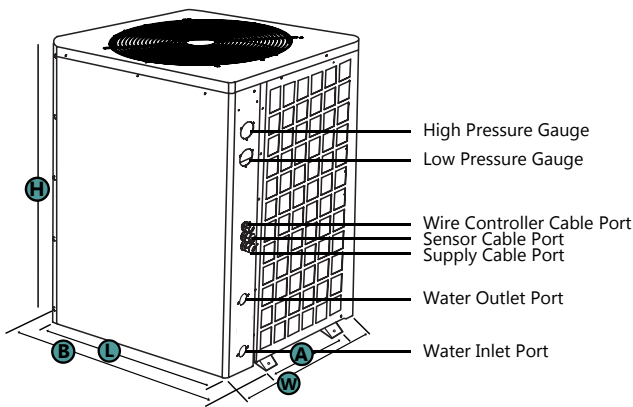
# CGB-020-S / 20kW Output Constant Temperature Heat Pump



## PRODUCT IMAGE



## DIMENSIONAL DATA



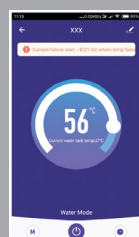
- A** Distance between supports - 470mm
- B** Length / Inc the supports- 785mm
- L** Length - 752mm
- W** Width - 690mm
- H** Height - 965mm

## SPECIAL FEATURES

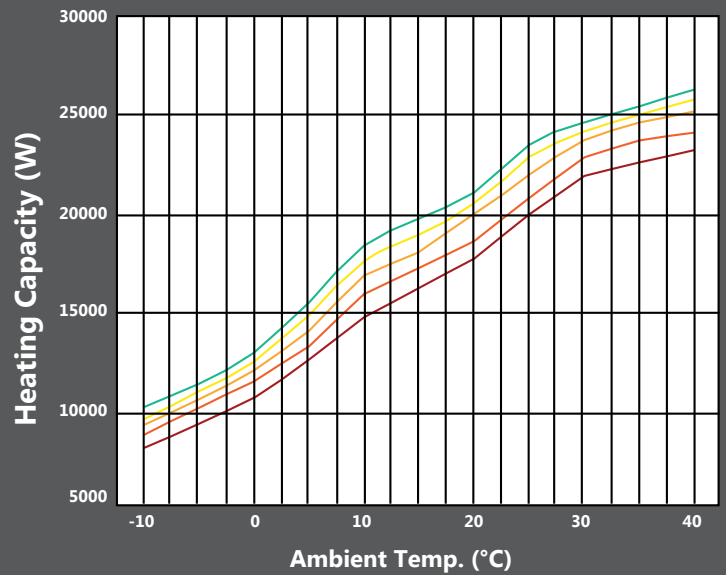
SMART LDC TOUCH SCREEN CONTROLLER



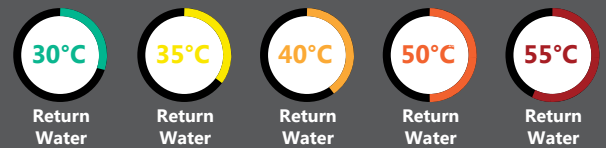
WI-FI ENABLED  
CONNECT TO SMART APP VIA  
YOUR MOBILE DEVICE



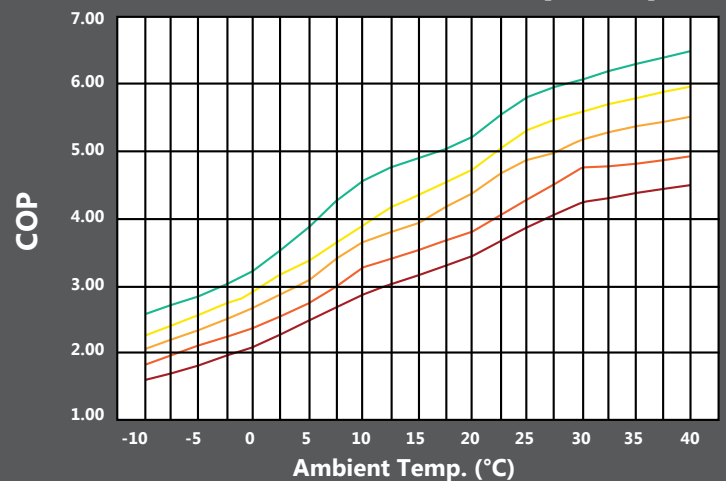
## HEATING CAPACITY



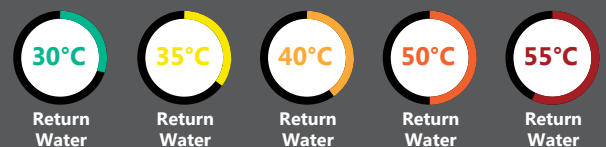
MEASURING CONDITION: Dry/Wet bulb temp. 20°C/15°C ; water inlet/outlet temp. 15°C/55°C



## COEFFICIENT OF PERFORMANCE (COP)



MEASURING CONDITION: Dry/Wet bulb temp. 20°C/15°C ; water inlet/outlet temp. 15°C/55°C



# CGB-020-S / 20kW Output Constant Temperature Heat Pump



OPERATIONAL DATA				
OPERATING DATA	<b>Heating Capacity</b>		kW	20
	<b>Power</b>	Power Supply	Ph-V-Hz	380V/3PH/50HZ
		Rated Input Consumption	kW	4.9
		Max Input Consumption	kW	6.86
		Rated Input Current	A	8.77
		Max Input Current	A	12.28
		Starting Current	A	58
		COP	W/W	4.08
	<b>Max Water Temp Setpoint</b>		°C	65
	<b>Max Outlet Water Temp</b>		°C	65
<b>Hot Water Yield</b>		L/h	430	
<b>Recommended Water Flow</b>		m³/h	4.3	
<b>Working Temp (Ambient)</b>		°C	-10°C~43°C	

GENERAL & PARTS DATA				
GENERAL & PARTS DATA	<b>Compressor</b>	Model		ZW72KA-TPF-52E
		Type / Brand		Scroll / Copeland
		Compressor Qty	PCS	1
		Capacity	kW	17.6
		Locked Rotor Amp	A	58
		Thermal Protector		Inner
	Capacitor	µF	None	
	<b>Fan Motor</b>	Model		YDK-160G-6 / HELONG
		Input	W	320
		Capacitor	µF	10
		Speed	r/min	800/500
		Diameter of Fans	mm	556
		Air Flow	m³/h	7000
	Fan Motor Qty	PCS	1	
	<b>Heat Exchanger</b>	Type		Copper Tube in Shell
		Qty	PCS	1
		Model		7P
	<b>Evaporator</b>	Diameter of Copper Pipe	mm	19
		Number of Rows		2
		Tube Pitch(a)x Row Pitch(b)	mm	25x22
		Fin Spacing	mm	1,8
		Fin Type		Hydrophilic Aluminum
		Tube Outer Diameter & Type	mm	Ø9.52 Innergroove Tube
	Coil Length x Width x Height	mm	1609x38x900	
	Number of Circuits		8	
	<b>Four-Way Valve</b>	Model / Brand		STF-0408G / Saginomiya
	<b>AC Contactor</b>	Model / Brand		3TF3300-0X/AC220V/ Siemens
	<b>Expansion Device</b>	Type		Thermostatic Expansion Valve
	<b>Wire Controller</b>	Model / Brand		TCBE-2 (068U4202) / Danfoss
		Type		Intelligent Touch Screen
		Part Number		O01T0089
		The Length of Control Cable	m	12
	<b>Water System</b>	Set Temp.	°C	30~65
Materials of Water Pipe			Copper	
Water Flow		m³/h	4.3	
Water Pressure Differential		Kpa	55	
Water Inlet Connection Size		mm	DN25 / Female	
Water Outlet Connection Size	mm	DN25 / Female		
<b>Refrigerant HP &amp; LP Safety Cut-Out Pressure</b>		Mpa	2.85/0.02	
<b>Refrigerant</b>	Gas Type		(R417A)	
	Gas Weight	g	1 x 3400g	
<b>Sound Pressure Level</b>		dB(A)	57	
<b>Dimensions</b>	Dimension(L*W*H)	mm	752x690x965	
	Packing(L*W*H)	mm	840x750x1100	
	NG/WG	kg	139/157	