

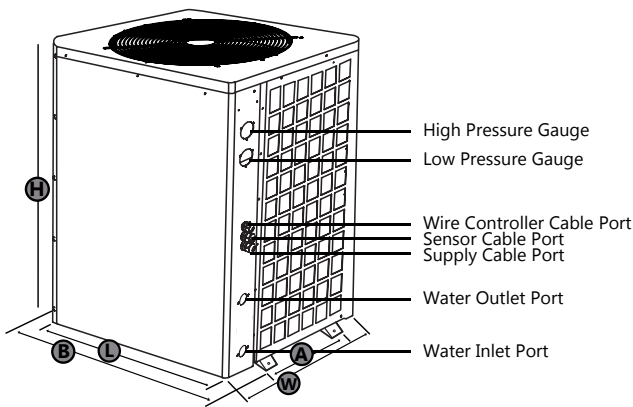
# HGB-021-S / 21kW Output High Temperature Heat Pump



## PRODUCT IMAGE



## DIMENSIONAL DATA



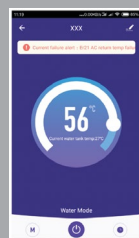
- A** Distance between supports - 470mm
- L** Length - 752mm
- B** Length / Inc the supports- 785mm
- W** Width - 690mm
- H** Height - 965mm

## SPECIAL FEATURES

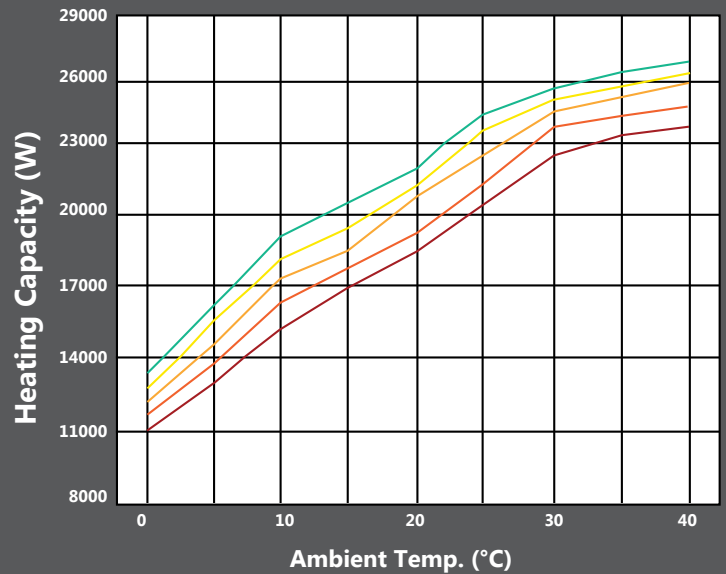
SMART LDC TOUCH SCREEN  
CONTROLLER



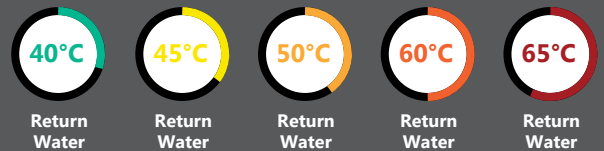
WI-FI ENABLED  
CONNECT TO SMART APP VIA  
YOUR MOBILE DEVICE



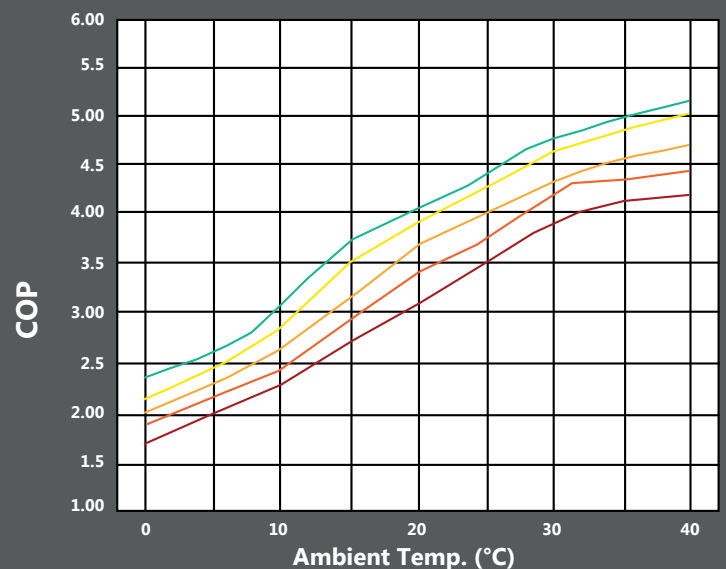
## HEATING CAPACITY



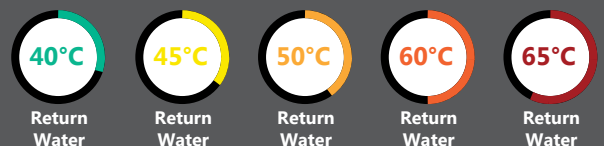
MEASURING CONDITION: Dry/Wet bulb temp. 20°C/15°C ; water inlet/  
outlet temp. 15°C/65°C



## COEFFICIENT OF PERFORMANCE (COP)



MEASURING CONDITION: Dry/Wet bulb temp. 20°C/15°C ; water inlet/  
outlet temp. 15°C/65°C



# HGB-021-S / 21kW Output High Temperature Heat Pump



OPERATIONAL DATA				
OPERATING DATA	<b>Heating Capacity</b>		kW	20.5
	<b>Power</b>	Power Supply	Ph-V-Hz	380V/3PH/50HZ
		Rated Input Consumption	kW	5.8
		Max Input Consumption	kW	8.70
		Rated Input Current	A	9.99
		Max Input Current	A	14.98
		Starting Current	A	65
		COP	W/W	3.53
	<b>Max Water Temp Setpoint</b>		°C	70
	<b>Max Outlet Water Temp</b>		°C	75
<b>Hot Water Yield</b>		L/h	350	
<b>Recommended Water Flow</b>		m³/h	3.6	
<b>Working Temp (Ambient)</b>		°C	-15°C~43°C	

GENERAL & PARTS DATA					
GENERAL & PARTS DATA	<b>Compressor</b>	Model		ZW79KAE-TFP-52E	
		Type / Brand		Scroll / Copeland	
		Compressor Qty	PCS		1
		Locked Rotor Amp	A		65
		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 (Per Fan)
		Fan Motor Qty	PCS		1
	<b>Heat Exchanger</b>	Type			Copper Tube in Shell
		Qty	PCS		1
		Model / Brand			7P / Gimleo
	<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		1609x44x900
	<b>Four-Way Valve</b>	Number of Circuits			4
		Model / Brand			STF-0408G / Saginomiya
	<b>Expansion Device</b>	QTY			1
		Model / Brand			AAE4MC + Capillary / Emerson
	<b>Wire Controller</b>	Type			Thermostatic Expansion Valve
		Type			Intelligent Touch Screen
		Part Number			O01T0089
The Length of Control Cable		m		12	
<b>Water System</b>	Set Temp.	°C		30~75	
	Materials of Water Pipe			Copper	
	Water Flow	m³/h		3.6	
	Water Pressure Differential	Kpa		60	
	Water Inlet Connection Size	mm		DN25 / Female	
<b>Refrigerant HP &amp; LP Safety Cut-Out Pressure</b>	Water Outlet Connection Size	mm		DN25 / Female	
			Mpa	2.85/0.02	
<b>Refrigerant</b>	Gas Type			(R134A)	
	Gas Weight	g		1 x 3400g	
<b>Sound Pressure Level</b>			dB(A)	58	
<b>Dimensions</b>	Dimension(L*W*H)	mm		752x690x965	
	Packing(L*W*H)	mm		840x750x1100	
	NG/WG	kg		150/168	