

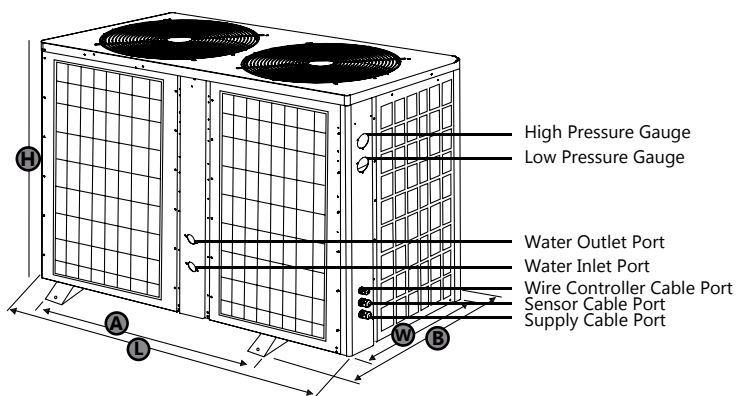
# HGB-031-S / 31kW Output High Temperature Heat Pump



## PRODUCT IMAGE



## DIMENSIONAL DATA



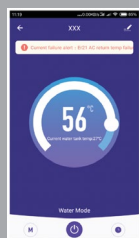
- A** Distance between supports - 755mm
- L** Length - 1450mm
- B** Width / Inc the supports- 708mm
- W** Width - 702mm
- H** Height - 1260mm

## SPECIAL FEATURES

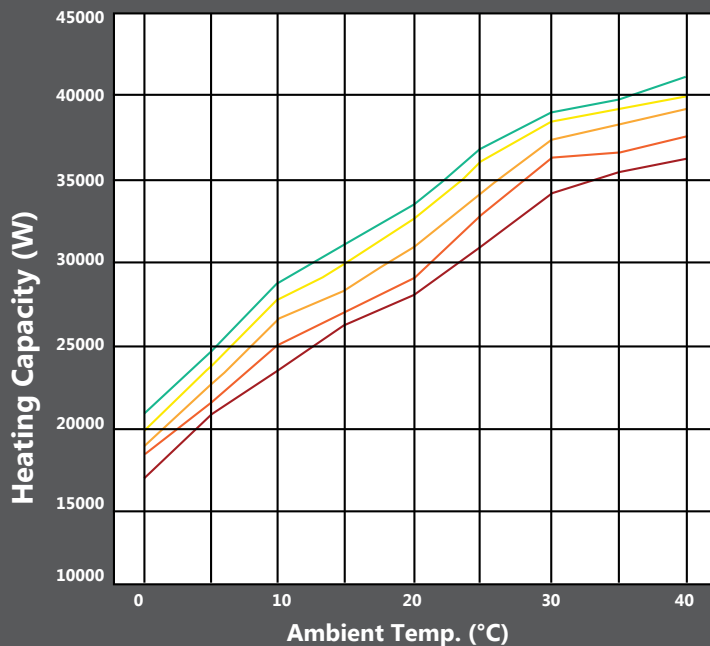
SMART LDC TOUCH SCREEN  
CONTROLLER



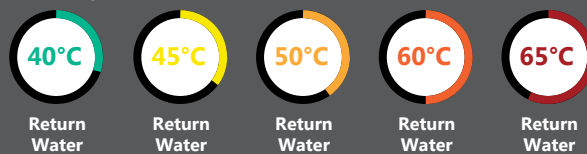
WI-FI ENABLED  
CONNECT TO SMART APP VIA  
YOUR MOBILE DEVICE



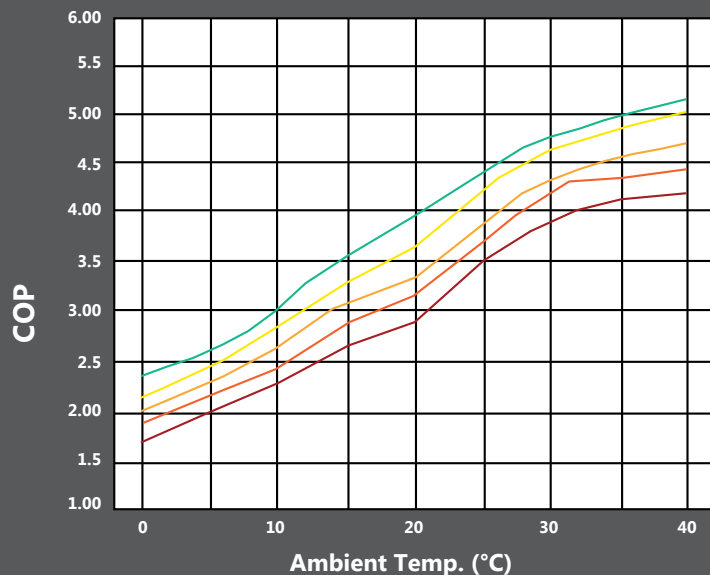
## HEATING CAPACITY



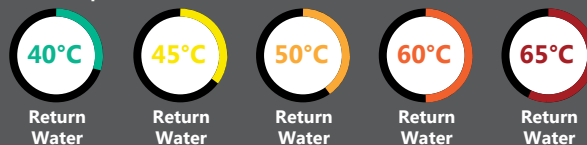
MEASURING CONDITION: Dry/Wet bulb temp. 20°C/15°C ; water inlet/  
outlet temp. 15°C/65°C



## COEFFICIENT OF PERFORMANCE (COP)



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



# HGB-031-S / 31kW Output High Temperature Heat Pump



OPERATIONAL DATA				
OPERATING DATA	<b>Heating Capacity</b>		kW	31
	<b>Power</b>	Power Supply	Ph-V-Hz	380V/3PH/50HZ
		Rated Input Consumption	kW	9
		Max Input Consumption	kW	13.50
		Rated Input Current	A	15.50
		Max Input Current	A	23.24
		Starting Current	A	73
		COP	W/W	3.44
	<b>Max Water Temp Setpoint</b>		°C	70
	<b>Max Outlet Water Temp</b>		°C	75
<b>Hot Water Yield</b>		L/h	533	
<b>Recommended Water Flow</b>		m³/h	5.2	
<b>Working Temp (Ambient)</b>		°C	-15°C~43°C	

GENERAL & PARTS DATA					
GENERAL & PARTS DATA	<b>Compressor</b>	Model		ZW72KAE-TFP-52E	
		Type / Brand		Scroll / Copeland	
		Compressor Qty	PCS		2
		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 (Per Fan)
		Fan Motor Qty	PCS		2
	<b>Heat Exchanger</b>	Type			Copper Tube in Shell
		Qty	PCS		2
		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		2 x 1082x44x1200
	<b>Four-Way Valve</b>	Number of Circuits			14
		Model / Brand			STF-0408G / Saginomiya
	<b>Expansion Device</b>	QTY			2
		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		5.2	
Water Pressure Differential		Kpa		55	
Water Inlet Connection Size		mm		DN40 / Female	
<b>Refrigerant HP &amp; LP Safety Cut-Out Pressure</b>	Water Outlet Connection Size	mm		DN40 / Female	
			Mpa	2.85/0.02	
<b>Refrigerant</b>	Gas Type			(R134A)	
	Gas Weight	g		2 x 3700g	
<b>Sound Pressure Level</b>			dB(A)	61	
<b>Dimensions</b>	Dimension(L*W*H)	mm		1450x702x1260	
	Packing(L*W*H)	mm		1525x805x1420	
	NG/WG	kg		268/316	