

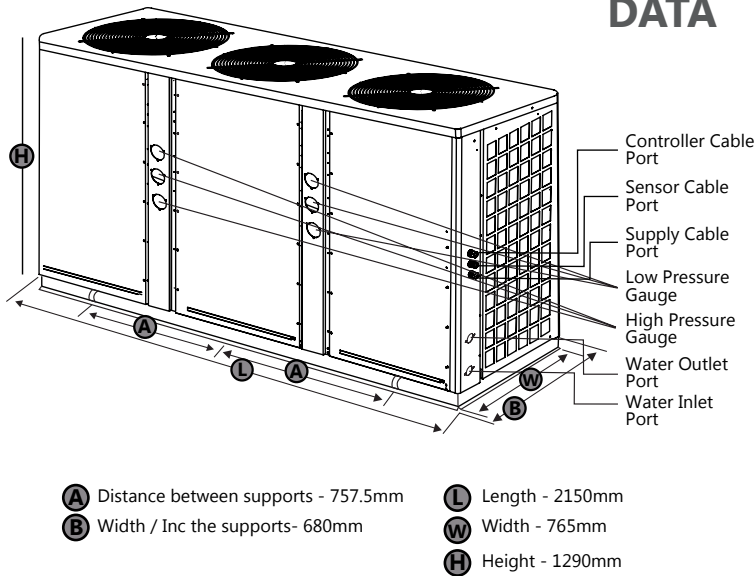
# HGB-046-S / 46kW Output High Temperature Heat Pump



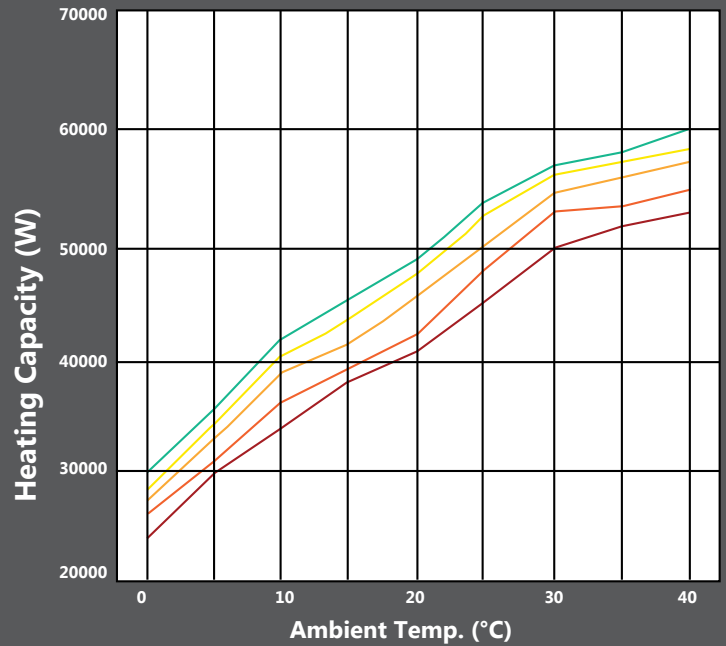
## PRODUCT IMAGE



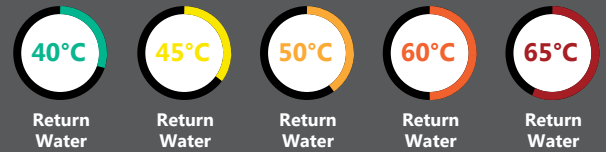
## DIMENSIONAL DATA



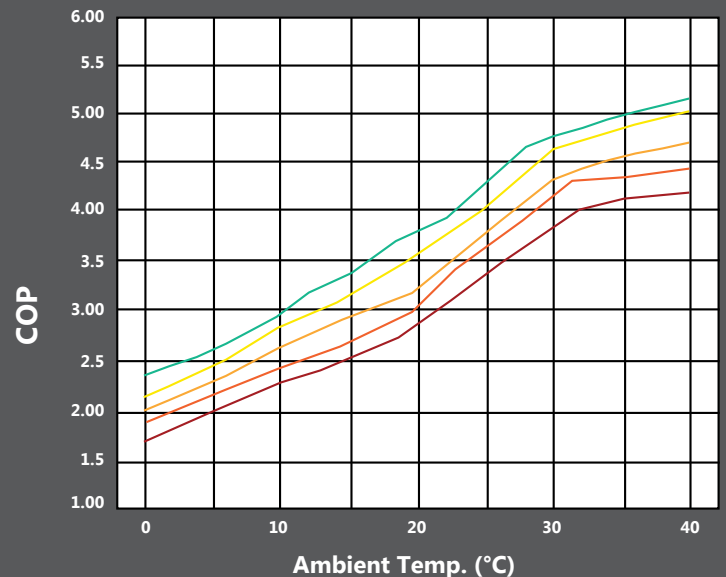
## HEATING CAPACITY



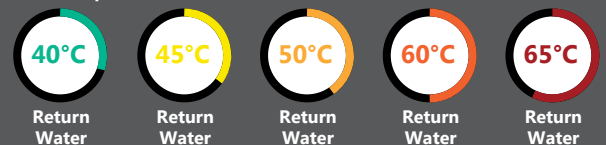
MEASURING CONDITION: Dry/Wet bulb temp. 20°C/15°C ; water inlet/outlet temp. 15°C/65°C



## COEFFICIENT OF PERFORMANCE (COP)



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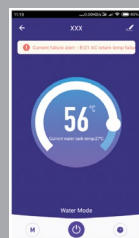


## SPECIAL FEATURES

SMART LDC TOUCH SCREEN CONTROLLER



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



# HGB-046-S / 46kW Output High Temperature Heat Pump



OPERATIONAL DATA				
OPERATING DATA	<b>Heating Capacity</b>		kW	46
	<b>Power</b>	Power Supply	Ph-V-Hz	380V/3PH/50HZ
		Rated Input Consumption	kW	13.5
		Max Input Consumption	kW	20.25
		Rated Input Current	A	23.24
		Max Input Current	A	34.87
		Starting Current	A	81
		COP	W/W	3.41
	<b>Max Water Temp Setpoint</b>		°C	65
	<b>Max Outlet Water Temp</b>		°C	75
<b>Hot Water Yield</b>		L/h	791	
<b>Recommended Water Flow</b>		m³/h	9.9	
<b>Working Temp (Ambient)</b>		°C	2°C~43°C	

GENERAL & PARTS DATA					
GENERAL & PARTS DATA	<b>Compressor</b>	Model		ZW72KAE-TFP-52E	
		Type / Brand		Scroll / Copeland	
		Compressor Qty	PCS		3
		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		3
	<b>Heat Exchanger</b>	Type			Copper Tube in Shell
		Qty	PCS		3
		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		3 x 935x44x1200
	<b>Four-Way Valve</b>	Number of Circuits			21
		Model / Brand			STF-0408G / Saginomiya
	<b>Expansion Device</b>	QTY			3
		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		9.9	
Water Pressure Differential		Kpa		55	
Water Inlet Connection Size		mm		DN50 / Female	
<b>Refrigerant HP &amp; LP Safety Cut-Out Pressure</b>	Water Outlet Connection Size	mm		DN50 / Female	
		Mpa		2.85/0.02	
<b>Refrigerant</b>	Gas Type			(R134A)	
	Gas Weight	g		3 x 3700g	
<b>Sound Pressure Level</b>		dB(A)		63	
<b>Dimensions</b>	Dimension(L*W*H)	mm		2150x765x1290	
	Packing(L*W*H)	mm		2250x865x1450	
	NG/WG	kg		428/490	