

HGB-080-V / 80kW Output High Temperature Heat Pump

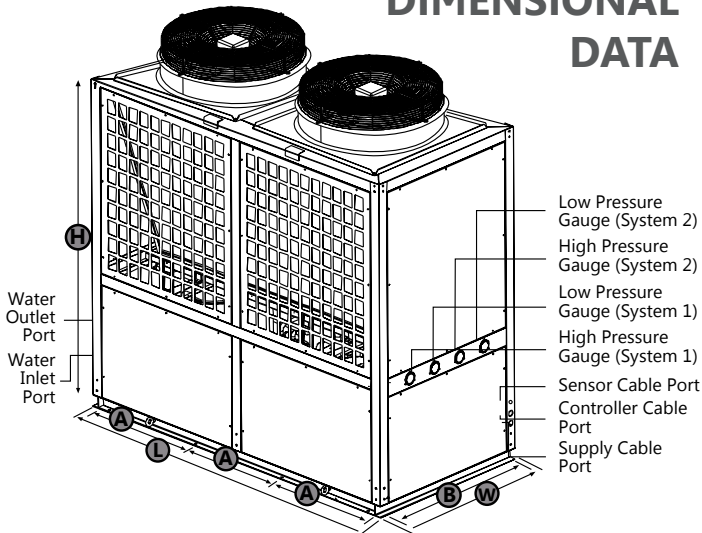


ENDORSED BY NATURE®

PRODUCT IMAGE



DIMENSIONAL DATA



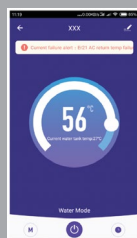
- A** Distance between supports - 600mm
- L** Length - 2000mm
- B** Width / Inc the supports- 946mm
- W** Width - 980mm
- H** Height - 2062mm

SPECIAL FEATURES

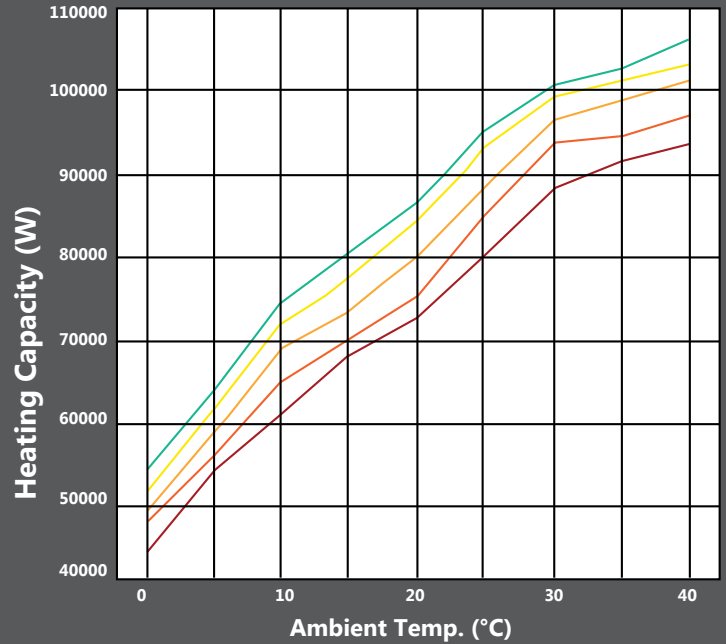
SMART LDC TOUCH SCREEN CONTROLLER



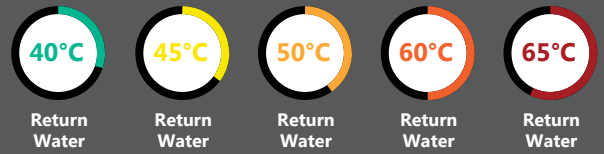
WI-FI ENABLED
CONNECT TO SMART APP VIA
YOUR MOBILE DEVICE



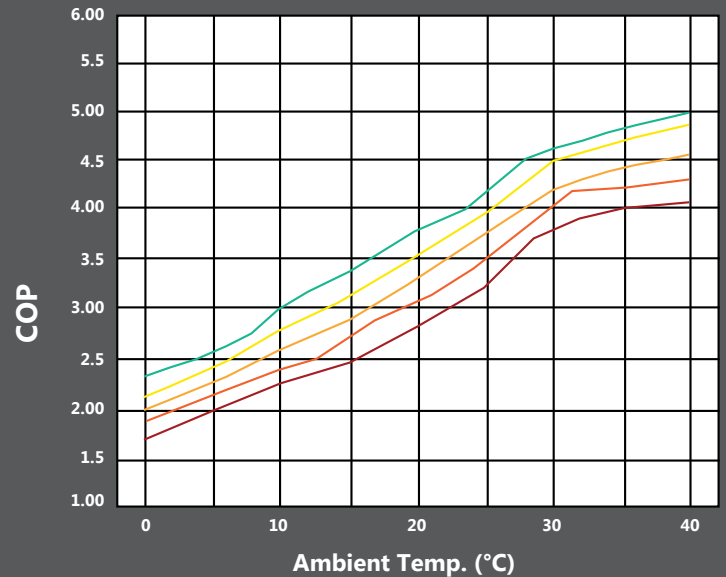
HEATING CAPACITY



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



COEFFICIENT OF PERFORMANCE (COP)



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HGB-080-V / 80kW Output High Temperature Heat Pump



OPERATIONAL DATA				
OPERATING DATA	Heating Capacity		kW	80
	Power	Power Supply	Ph-V-Hz	380V/3PH/50HZ
		Rated Input Consumption	kW	23.5
		Max Input Consumption	kW	35.25
		Rated Input Current	A	40.46
		Max Input Current	A	60.69
		Starting Current	A	170
		COP	W/W	3.40
	Max Water Temp Setpoint		°C	65
	Max Outlet Water Temp		°C	75
Hot Water Yield		L/h	1376	
Recommended Water Flow		m³/h	17.2	
Working Temp (Ambient)		°C	2°C~43°C	

GENERAL & PARTS DATA				
GENERAL & PARTS DATA	Compressor	Model		VR190KSE-TFP
		Type / Brand		Scroll / Copeland
		Compressor Qty	PCS	2
		Locked Rotor Amp	A	130
		Thermal Protector		Inner
		Capacitor	µF	None
	Fan Motor	Model		YWF.A6T-710S-7DIII500 / DUNLI
		Input	W	1000
		Capacitor	µF	/
		Speed	r/min	900
		Diameter of Fans	mm	710
		Air Flow	m³/h	13500
		Fan Motor Qty	PCS	2
	Heat Exchanger	Type		Copper Tube in Shell
		Qty	PCS	2
		Model / Brand		15 / Tuoqiu
	Evaporator	Diameter of Copper Pipe	mm	25.4x2
		Number of Rows		3
		Tube Pitch(a)x Row Pitch(b)	mm	25x22
		Fin Spacing	mm	2.2
		Fin Type		Hydrophilic Aluminum
		Tube Outer Diameter & Type	mm	Ø9.52 Innergroove Tube
		Coil Length x Width x Height	mm	2 x 1740x66x1000
	Four-Way Valve	Number of Circuits		9 x 2
		Model / Brand		STF-1511G / Saginomiya
	Expansion Device	QTY		2
		Model / Brand		TGEN-10 067N5161 / Danfoss
	Wire Controller	Type		Thermostatic Expansion Valve
		Type		Intelligent Touch Screen
		Part Number		O01T0089
The Length of Control Cable		m	12	
Water System	Set Temp.	°C	30~75	
	Materials of Water Pipe		Copper	
	Water Flow	m³/h	17.2	
	Water Pressure Differential	Kpa	60	
	Water Inlet Connection Size	mm	DN50 / Female	
Refrigerant HP & LP Safety Cut-Out Pressure	Water Outlet Connection Size	mm	DN50 / Female	
		Mpa	2.85/0.02	
Refrigerant	Gas Type		(R134A)	
	Gas Weight	g	2 x 7000g	
Sound Pressure Level		dB(A)	71	
Dimensions	Dimension(L*W*H)	mm	2000x980x2062	
	Packing(L*W*H)	mm	2130x1100x2250	
	NG/WG	kg	620/710	