

# RGB-100-V / 100kW Output Re-circulating Heat Pump

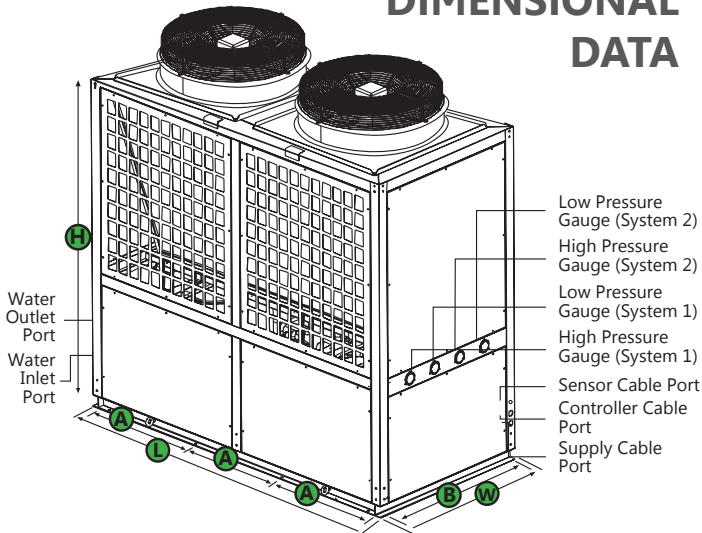


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## PRODUCT IMAGE



## DIMENSIONAL DATA



- A** Distance between supports - 600mm
- L** Length - 2000mm
- B** Width / Inc the supports- 946mm
- W** Width - 980mm
- H** Height - 1960mm

## SPECIAL FEATURES

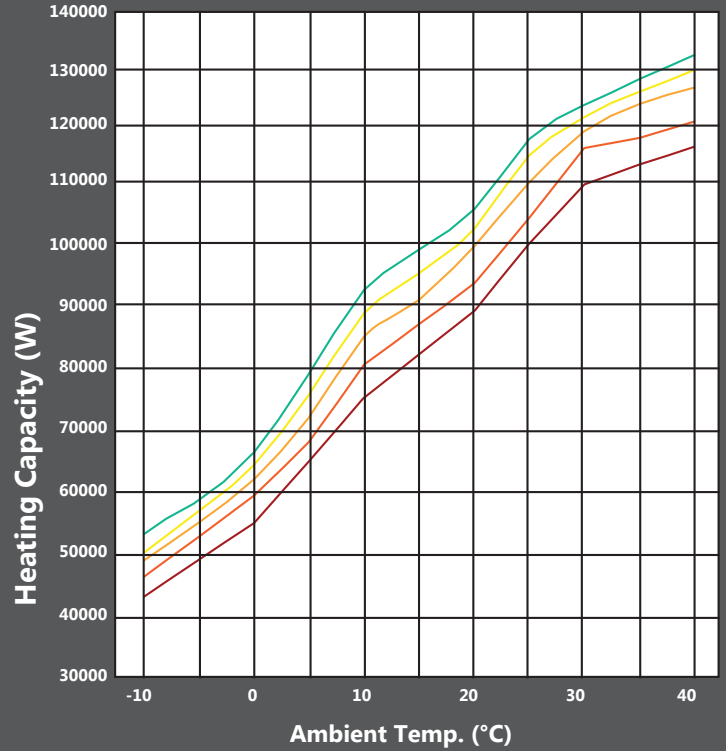
SMART LDC TOUCH SCREEN CONTROLLER



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



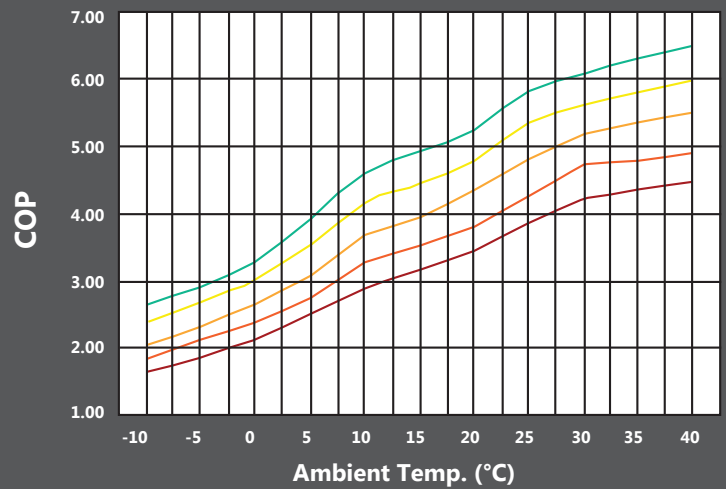
## HEATING CAPACITY



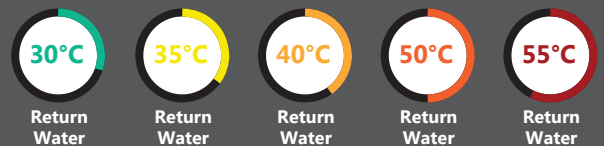
MEASURING CONDITION: Dry/Wet bulb temp. 20°C/15°C ; water inlet/outlet temp. 15°C/55°C



## COEFFICIENT OF PERFORMANCE (COP)



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OPERATIONAL DATA				
OPERATING DATA	<b>Heating Capacity</b>		kW	100
	<b>Power</b>	Power Supply	Ph-V-Hz	380V/3PH/50HZ
		Rated Input Consumption	kW	24
		Max Input Consumption	kW	36
		Rated Input Current	A	39.53
		Max Input Current	A	59.29
		Starting Current	A	236
		COP	W/W	4.10
	<b>Max Water Temp Setpoint</b>		°C	55
	<b>Max Outlet Water Temp</b>		°C	60
<b>Hot Water Yield</b>		L/h	2150	
<b>Recommended Water Flow</b>		m³/h	21.5	
<b>Working Temp (Ambient)</b>		°C	-15°C~43°C	

GENERAL & PARTS DATA					
GENERAL & PARTS DATA	<b>Compressor</b>	Model		ZW150KAE-TFP-522	
		Type / Brand		Scroll / Copeland	
		Compressor Qty	PCS		2
		Rated Capacity	kW		47.5
		Locked Rotor Amp	A		157
		Thermal Protector			Inner
		Capacitor	µF		None
	<b>Fan Motor</b>	Model		YWF.A6T-710S-7F1S10 / Dunli	
		Input (2 Speeds)	W		1100/800
		Speed	r/min		920/780
		Diameter of Fans	mm		710
		Air Flow	m³/h		17400/15000
		Static Pressure	Pa		150/98
		Fan Motor Qty	PCS		2
	<b>Heat Exchanger</b>	Type			Copper Tube in Shell
		Qty	PCS		2
	<b>Evaporator</b>	Number of Rows			3
		Fin Spacing	mm		2
		Fin Type			Hydrophilic Aluminum
	<b>Four-Way Valve</b>	Tube Outer Diameter & Type	mm		Ø9.52 Innergroove Tube
		Model / Brand			STF-1511G / Saginomiya
	<b>Expansion Device</b>	Type			Thermostatic Expansion Valve
		Model / Brand			TGEZ-12 (067N4159) / Danfoss
	<b>Wire Controller</b>	Type			Intelligent & LCD
		Part Number			O01T0089
		The Length of Control Cable	m		12
	<b>Water System</b>	Set Temp.	°C		25~55
		Materials of Water Pipe			Copper
		Water Flow	m³/h		21.5
		Water Pressure Differential	Kpa		60
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		4.2/0.02	
<b>Refrigerant</b>	Gas Type			(R407C)	
	Gas Weight	g		2 x 7800g	
<b>Sound Pressure Level</b>		dB(A)		70	
<b>Dimensions</b>	Dimension(L*W*H)	mm		2000x980x1960	
	Packing(L*W*H)	mm		2090x995x2020	
	NG/WG	kg		600/690	