

HOT WATER HEAT PUMP SPECIFICATIONS

Single wall / thermostat control / vertical discharge **RTHW015KS-JEV-1**
 Single wall / Rheem IQ control / vertical discharge **RTHW015KS-JQV-1**

ELECTRICAL INPUT

Voltage/Phase	220 - 240 Volts / 1 Phase / 50 Hz
Full Load / Locked Rotor (Amps Per Phase)	19.9 FLA / 97 LRA
Min. Circuit Size	25.0 Amps
Refrigerant	R407C
Nominal Heating capacity	15.00 kW
Power input	3.00 kW
COP	5.00 COP
Noise Level	59 dBa @ 3 m
Rated Load Amps @ 12°C SST / 51°C SCT	14.61 Amps

TECHNICAL DATA

	Compressor	Fan
Make	Copeland	EBM-Papst
Type	Scroll 20104	Axial
Number Per Unit	1	1
FLA (Full Load Amps)	19.30 Amps (Each)	0.64 Amps (Each)
Voltage / Phase	220 - 240 / 1	220 - 240 / 1
Pole/RPM	2/2,900	6/890
Air Flow	N/A	800 L/s

HEAT EXCHANGER (Water Side)

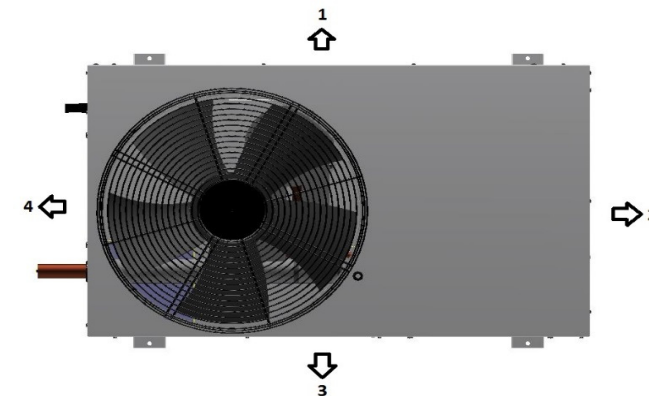
Type of Water Tube	Single Wall
Design	Shell and Tube
Flow Rate Excl. By Pass	0.60 L/s
Max. Outlet Water Temp	61 °C / 65 °C*
Design Pressure Drop	50 kPa
Max. Operating Pressure	2,450 kPa

GENERAL INFORMATION

Water Connections	32mm (1 1/4") Copper
Drain	20mm PVC
Defrost	Hot Gas Injection
Cabinet Construction	1.2mm Stucco Aluminium
Approx. shipping weight	90 kg
Size L x W x H (RTHW015KS-JEV-1)	1000mm x 640mm x 800mm

COP TABLE

Water Out °C	Ambient Temperature							
	0 °C	5 °C	10 °C	15 °C	20 °C	25 °C	30 °C	35 °C
45 °C	7.78 kW	9.85 kW	11.94 kW	12.65 kW	13.40 kW	14.18 kW	15.00 kW	15.36 kW
	2.49 COP	3.18 COP	3.90 COP	4.15 COP	4.42 COP	4.71 COP	5.00 COP	5.14 COP
50 °C	7.22 kW	9.60 kW	11.70 kW	12.38 kW	13.11 kW	13.86 kW	14.63 kW	14.99 kW
	2.04 COP	2.75 COP	3.39 COP	3.61 COP	3.84 COP	4.07 COP	4.32 COP	4.44 COP
55 °C	6.83 kW	9.15 kW	11.54 kW	12.19 kW	12.89 kW	13.61 kW	14.34 kW	14.68 kW
	1.75 COP	2.37 COP	3.03 COP	3.22 COP	3.42 COP	3.62 COP	3.84 COP	3.94 COP
60 °C	N/A	8.96 kW	11.37 kW	12.05 kW	12.73 kW	13.43 kW	14.16 kW	14.49 kW
		2.15 COP	2.77 COP	2.94 COP	3.13 COP	3.31 COP	3.51 COP	3.60 COP



UNIT CLEARANCES

Direction	Description	Minimum Clearance Required
1	Evaporator Coil	500mm
2	Compressor Access	850mm
3	Plain Back	Nil
4	Water Connections	500mm
5	Fan Clearance	2500mm

When units placed side by side allow 2000mm between evaporator coils.
 Rating Conditions: 30°C ambient, 60% RH, 39°C Water in, 45°C Water out
 * Max outlet temperature when ambient is above 20°C