

WATER-TO-WATER HEAT PUMP SPECIFICATIONS

Double Wall Heat Exchanger Condenser / Rheem IQ Control	955071SDV-DQ-1
Vented Brazed Plate Heat Exchanger Condenser / Rheem IQ Control	955071SDP-DQ-1

ELECTRICAL INPUT	
Voltage/Phase	380 - 415 Volts / 3 Phase / 50 Hz
Full Load / Locked Rotor (Amps Per Phase)	40.2 FLA / 272 LRA
Min. Circuit Breaker Size	50.0 Amps
Refrigerant	R134a
Refrigeration Effect	Heating
Nominal Capacity	71.15 kW
Power Input	14.19 kW
COP	5.02 COP
Combined COP	9.03 COP
Noise Level	61 dBa @ 3 m
Rated Load Amps @ 10°C SST / 51°C SCT	28.1 Amps

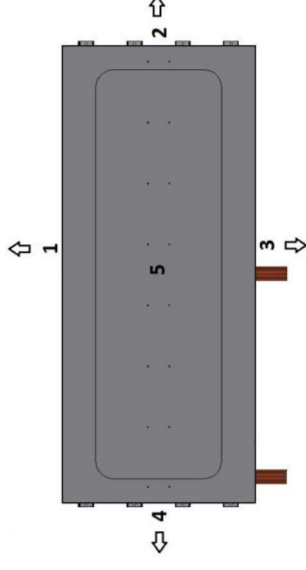
TECHNICAL DATA	
Make / Type	Compressor
Number Per Unit	Copeland / Scroll 20103
FLA (Full Load Amps, each)	1
Voltage / Phase	40.2 Amps
Pole/RPM	380 - 415 / 3
	2/2,900

HEAT EXCHANGER (Water Side)	
Type of Water Tube	Hot Side (Condenser)
Design	Double Wall
Flow Rate Excl. By Pass	Vented Brazed Plate / Co-axial Tube-in-tube
Max. Outlet Water Temp	4.25 L/s
Min. Outlet Water Temp	70°C
Design Pressure Drop	N/A
Max. Operating Pressure	7 °C
	50 kPa
	2,450 kPa

GENERAL INFORMATION	
Water Connections	65mm Table E Flange
Drain	20mm Aluminium
Cabinet Construction	1.2mm Stucco Aluminium
Approx. Shipping Size	Weight
955071SDV-DQ-1 (L x W x H)	420 kg
955071SDP-DQ-1 (L x W x H)	400 kg
	Dimensions
	2120mm x 805mm x 1100mm
	2120mm x 805mm x 1100mm

COP TABLE

Hot Water Out °C	Cold Water In °C						
	12 °C	14 °C	16 °C	18 °C	20 °C	25 °C	35 °C
45 °C	57.19 kW 4.09 COP	60.88 kW 4.34 COP	62.82 kW 4.47 COP	66.86 kW 4.73 COP	71.15 kW 5.02 COP	83.07 kW 5.78 COP	102.93 kW 7.01 COP
50 °C	56.35 kW 3.71 COP	59.90 kW 3.93 COP	61.76 kW 4.04 COP	65.65 kW 4.28 COP	69.77 kW 4.54 COP	81.20 kW 5.23 COP	100.26 kW 6.35 COP
55 °C	55.38 kW 3.27 COP	58.76 kW 3.46 COP	60.53 kW 3.56 COP	64.21 kW 3.77 COP	68.12 kW 3.99 COP	78.96 kW 4.60 COP	97.01 kW 5.59 COP
60 °C	54.67 kW 2.95 COP	57.92 kW 3.12 COP	59.61 kW 3.21 COP	63.14 kW 3.40 COP	66.88 kW 3.59 COP	77.24 kW 4.13 COP	94.49 kW 5.02 COP
65 °C	53.88 kW 2.60 COP	56.95 kW 2.75 COP	58.55 kW 2.82 COP	61.89 kW 2.98 COP	65.42 kW 3.15 COP	75.19 kW 3.61 COP	91.46 kW 4.38 COP
70 °C	53.19 kW 2.29 COP	56.10 kW 2.41 COP	57.61 kW 2.48 COP	60.75 kW 2.61 COP	64.08 kW 2.75 COP	73.26 kW 3.15 COP	88.54 kW 3.80 COP



UNIT CLEARANCES	
Direction	Description
1	Plain Back
2	Side Access
3	Compressor Access / Water
4	Side Access
5	Top - Height Clearance
	Minimum Clearance Required
	200mm
	200mm
	850mm
	200mm
	500mm

Rating Conditions: Cooling: 20°C EWT, 15°C LWT, Heating: 41°C EWT, 45°C LWT