

## WATER-TO-WATER HEAT PUMP SPECIFICATIONS

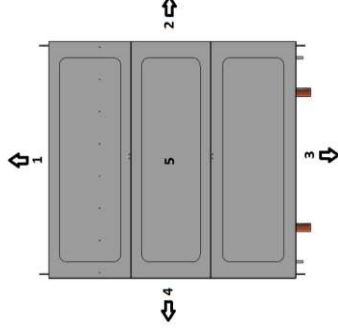
Double Wall Heat Exchanger Condenser / Rheem IQ Control 955213SDV-DQ-1  
955213SDP-DQ-1

Vented Brazed Plate Heat Exchanger Condenser / Rheem IQ Control

ELECTRICAL INPUT	
Voltage/Phase	380 - 415 Volts / 3 Phase / 50 Hz
Full Load / Locked Rotor (Amps Per Phase)	120.6 FLA / 272 LRA
Min. Circuit Breaker Size	150.0 Amps
Refrigerant	R134a
Refrigeration Effect	Heating 213.46 kW Cooling 170.90 kW
Nominal Capacity	213.46 kW
Power Input	42.56 kW
COP	5.02 COP 4.02 COP
Combined COP	9.03 COP
Noise Level	67 dBA @ 3 m
Rated Load Amps @ 10°C SST / 51°C SCT	84.2 Amps
TECHNICAL DATA	
Make / Type	Compressor Copeland / Scroll 20103
Number Per Unit	3
FLA (Full Load Amps, each)	40.2 Amps
Voltage / Phase	380 - 415 / 3
Pole/RPM	2/2,900
HEAT EXCHANGER (Water Side)	
Type of Water Tube	Hot Side (Condenser) Double Wall
Design	Hot Side (Evaporator) Single Wall
Flow Rate Excl. By Pass	Vented Brazed Plate / Co-axial Tube-in-tube Shell & Tube
Max. Outlet Water Temp	12.75 L/s 70°C
Min. Outlet Water Temp	N/A 7°C
Design Pressure Drop	N/A
Max. Operating Pressure	50 kPa 2,450 kPa
GENERAL INFORMATION	
Water Connections	125mm Table E Flange
Drain	20mm Aluminium
Cabinet Construction	1.2mm Stucco Aluminium
Approx. Shipping Size	Weight 1400 kg
955213SDV-DQ-1 (L x W x H)	Dimensions 2890mm x 2205mm x 1380mm
955213SDP-DQ-1 (L x W x H)	1300 kg 2590mm x 2205mm x 1380mm

## COP TABLE

Hot Water Out °C	Cold Water In °C									
	12 °C	14 °C	16 °C	18 °C	20 °C	25 °C	30 °C	35 °C		
45 °C	171.57 kW 4.09 COP	182.65 kW 4.34 COP	188.45 kW 4.47 COP	200.58 kW 4.73 COP	213.46 kW 5.02 COP	249.20 kW 5.78 COP	290.54 kW 6.64 COP	308.78 kW 7.01 COP		
50 °C	168.44 kW 3.61 COP	179.01 kW 3.83 COP	184.52 kW 3.94 COP	196.06 kW 4.18 COP	208.30 kW 4.42 COP	242.23 kW 5.10 COP	281.47 kW 5.86 COP	298.80 kW 6.19 COP		
55 °C	166.14 kW 3.27 COP	176.28 kW 3.46 COP	181.58 kW 3.56 COP	192.64 kW 3.77 COP	204.37 kW 3.99 COP	236.87 kW 4.60 COP	274.44 kW 5.29 COP	291.03 kW 5.59 COP		
60 °C	164.01 kW 2.95 COP	173.75 kW 3.12 COP	178.82 kW 3.21 COP	189.41 kW 3.40 COP	200.64 kW 3.59 COP	231.71 kW 4.13 COP	267.62 kW 4.75 COP	283.48 kW 5.02 COP		
65 °C	161.63 kW 2.60 COP	170.85 kW 2.75 COP	175.66 kW 2.82 COP	185.67 kW 2.98 COP	196.26 kW 3.15 COP	225.56 kW 3.61 COP	259.41 kW 4.14 COP	274.37 kW 4.38 COP		
70 °C	159.58 kW 2.29 COP	168.30 kW 2.41 COP	172.83 kW 2.48 COP	182.26 kW 2.61 COP	192.24 kW 2.75 COP	219.78 kW 3.15 COP	251.57 kW 3.60 COP	265.63 kW 3.80 COP		



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

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