

AIR-TO-WATER HEAT PUMP SPECIFICATIONS
 Tube-in-Tube Heat Exchanger / Rheem IQ Control **953126DV-DQV-1**
 Vented Braze Plate Heat Exchanger / Rheem IQ Control **953126DP-DQV-1**

ELECTRICAL INPUT	
Voltage/Phase	380 - 415 Volts / 3 Phase / 50 Hz
Full Load Amps	88.3 Amps
Locked Rotor (Amps Per Phase)	272.0 Amps
Min. Circuit Breaker Size	100.0 Amps
Refrigerant	R134A
Nominal Heating Capacity	132.06 kW
Power Input	32.02 kW
COP	4.12 COP
Noise Level	74 dBa @ 3 m
Rated Load Amps @ 8°C SST / 51°C SCT	63.9 Amps

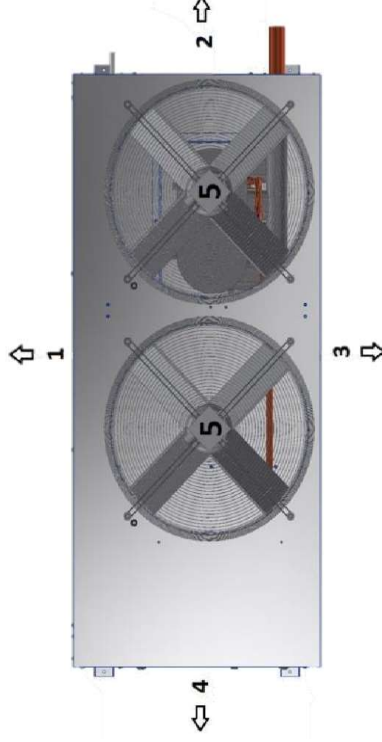
TECHNICAL DATA	
Reference/Size	Compressor
Type	20103
Number Per Unit	Scroll
FLA (Full Load Amps, each)	2
Voltage / Phase	34.5 Amps
Pole/RPM	380 - 415 / 3
Air Flow	2/2,900
External Static Pressure	N/A
	N/A
	5 Pa
	Fan
	800mm
	Axial
	2
	3.9 Amps
	380 - 415 / 3
	6/870
	11,800 L/s
	5 Pa

HEAT EXCHANGER (Water Side)	
Type of Water Tube	Double Wall
Design	Vented Braze Plate / Co-axial Tube-in-Tube
Flow Rate Excl. By Pass	7.90 L/s
Max. Outlet Water Temp	65°C / 70°C*
Design Pressure Drop	50 kPa
Max. Operating Pressure	2,450 kPa

GENERAL INFORMATION	
Water Connections	100mm Table E Flange
Drain	40mm Aluminium
Defrost	Reverse Cycle De-ice
Cabinet Construction	1.2mm Stucco Aluminium
Approx. Shipping Weight	1180 kg
953126DV-DQV-1 (L x W x H)	2540mm x 1260mm x 1935mm
953126DP-DQV-1 (L x W x H)	2540mm x 1260mm x 1935mm

COP TABLE

Water Out °C	Ambient Temperature °C										
	0 °C	5 °C	10 °C	15 °C	20 °C	25 °C	27 °C	30 °C	35 °C	40 °C	45 °C
45 °C	86.02 kW	97.71 kW	110.84 kW	121.77 kW	142.31 kW	146.80 kW	153.78 kW	156.18 kW	156.67 kW	165.11 kW	185.11 kW
	2.75 COP	3.10 COP	3.50 COP	3.82 COP	4.42 COP	4.55 COP	4.75 COP	4.82 COP	4.84 COP	5.08 COP	5.08 COP
50 °C	85.13 kW	96.37 kW	108.93 kW	119.34 kW	129.13 kW	138.86 kW	143.13 kW	149.76 kW	152.04 kW	160.52 kW	160.52 kW
	2.47 COP	2.78 COP	3.13 COP	3.41 COP	3.68 COP	3.95 COP	4.06 COP	4.24 COP	4.31 COP	4.53 COP	4.53 COP
55 °C	84.53 kW	95.42 kW	107.52 kW	117.52 kW	126.92 kW	136.25 kW	140.33 kW	146.68 kW	148.87 kW	149.31 kW	156.98 kW
	2.27 COP	2.55 COP	2.86 COP	3.11 COP	3.35 COP	3.59 COP	3.69 COP	3.86 COP	3.91 COP	3.92 COP	4.12 COP
60 °C	84.05 kW	94.58 kW	106.23 kW	115.83 kW	124.83 kW	133.76 kW	137.66 kW	143.74 kW	145.82 kW	146.25 kW	153.59 kW
	2.08 COP	2.33 COP	2.61 COP	2.83 COP	3.05 COP	3.26 COP	3.35 COP	3.50 COP	3.55 COP	3.56 COP	3.73 COP
65 °C	N/A	93.71 kW	104.80 kW	113.90 kW	122.41 kW	130.84 kW	134.53 kW	140.26 kW	142.22 kW	142.62 kW	149.54 kW
	N/A	2.08 COP	2.32 COP	2.52 COP	2.70 COP	2.88 COP	2.96 COP	3.09 COP	3.13 COP	3.14 COP	3.29 COP
70 °C	N/A	N/A	N/A	N/A	120.22 kW	128.16 kW	131.62 kW	137.01 kW	138.86 kW	139.23 kW	145.73 kW
	N/A	N/A	N/A	N/A	2.39 COP	2.54 COP	2.61 COP	2.72 COP	2.76 COP	2.76 COP	2.89 COP



UNIT CLEARANCES	
Direction	Description
1	Evaporator Coil
2	Water Connections
3	Evaporator Coil
4	Compressor Access
5	Top - Fan Discharge
	Minimum Clearance Required
	1000mm
	850mm
	1000mm
	850mm
	3500mm

When the units are placed side by side, allow 2000mm distance between evaporator coils.
 Rating Conditions: 30°C ambient, 60% RH, 41°C Water in, 45°C Water out
 * Max outlet temperature when ambient is above 20°C