AIR-TO-WATER HEAT PUMP SPECIFICATIONS

Tube-in-Tube Heat Exchanger / Rheem IQ Control	**953202DV-DQV-1**
Vented Brazed Plate Heat Exchanger / Rheem IQ Control	**953202DP-DQV-1**

ELECTRICAL INPUT	
Voltage/Phase	380 - 415 Volts / 3 Phase / 50 Hz
Full Load Amps	169.5 Amps
Locked Rotor (Amps Per Phase)	225.0 Amps
Min. Circuit Breaker Size	200.0 Amps
Refrigerant	R134A
Nominal Heating Capacity	211.73 kW
Power Input	49.02 kW
COP	4.32 COP
Noise Level	75.3 dBa @ 3 m
Rated Load Amps @ 8°C SST / 51°C SCT	103.8 Amps

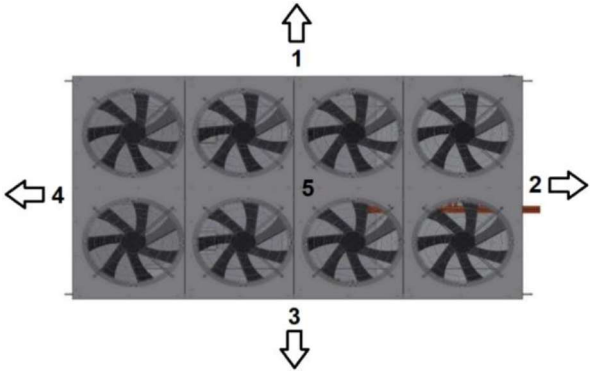
TECHNICAL DATA	**Compressor**	**Fan**
Reference/Size	20092	630mm
Type	Scroll	Axial
Number Per Unit	4	8
FLA (Full Load Amps, each)	39.7 Amps	1.35 Amps
Voltage / Phase	380 - 415 / 3	380 - 415 / 3
Pole/RPM	2/2,900	6/920
Air Flow	N/A	17,778 L/s
External Static Pressure	N/A	5 Pa

HEAT EXCHANGER (Water Side)	
Type of Water Tube	Double Wall
Design	Vented Brazed Plate / Co-axial Tube-in-Tube
Flow Rate Excl. By Pass	12.66 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	125mm Table E Flange
Drain	40mm Aluminium
Defrost	Reverse Cycle De-ice
Cabinet Construction	1.2mm Stucco Aluminium
Approx. Shipping Weight	2200 kg
953202DV-DQV-1 (L x W x H)	3650mm x 1970mm x 2290mm
953202DP-DQV-1 (L x W x H)	3650mm x 1970mm x 2290mm

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	138.47 kW 2.92 COP	157.18 kW 3.27 COP	178.31 kW 3.68 COP	195.92 kW 4.02 COP	**211.73 kW** **4.32 COP**	229.04 kW 4.65 COP	236.27 kW 4.79 COP	247.52 kW 5.00 COP	251.37 kW 5.07 COP	255.29 kW 5.15 COP	265.73 kW 5.34 COP
50 °C	137.17 kW 2.63 COP	155.12 kW 2.94 COP	175.29 kW 3.29 COP	192.07 kW 3.58 COP	207.11 kW 3.84 COP	223.56 kW 4.12 COP	230.43 kW 4.24 COP	241.12 kW 4.43 COP	244.78 kW 4.49 COP	248.50 kW 4.56 COP	258.42 kW 4.73 COP
55 °C	136.31 kW 2.43 COP	153.65 kW 2.70 COP	173.07 kW 3.00 COP	189.19 kW 3.26 COP	203.62 kW 3.49 COP	219.38 kW 3.74 COP	225.97 kW 3.85 COP	236.21 kW 4.02 COP	239.72 kW 4.07 COP	243.28 kW 4.13 COP	252.79 kW 4.28 COP
60 °C	135.61 kW 2.24 COP	152.35 kW 2.47 COP	171.03 kW 2.74 COP	186.49 kW 2.97 COP	200.31 kW 3.17 COP	215.40 kW 3.40 COP	221.70 kW 3.49 COP	231.49 kW 3.64 COP	234.85 kW 3.69 COP	238.26 kW 3.74 COP	247.35 kW 3.87 COP
65 °C	N/A	150.99 kW 2.22 COP	168.74 kW 2.45 COP	183.38 kW 2.64 COP	196.45 kW 2.82 COP	210.70 kW 3.00 COP	216.65 kW 3.08 COP	225.89 kW 3.21 COP	229.06 kW 3.25 COP	232.27 kW 3.29 COP	240.85 kW 3.41 COP
70 °C	N/A	N/A	N/A	N/A	192.91 kW 2.50 COP	206.33 kW 2.66 COP	211.93 kW 2.73 COP	220.62 kW 2.83 COP	223.60 kW 2.87 COP	226.62 kW 2.90 COP	234.69 kW 3.00 COP



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