

AIR-TO-WATER HEAT PUMP SPECIFICATIONS	
Tube-in-Tube Heat Exchanger / Rheem IQ Control	953060DV-DQV-1
Vented Brazed Plate Heat Exchanger / Rheem IQ Control	953060DP-DQV-1

ELECTRICAL INPUT	
Voltage/Phase	380 - 415 Volts / 3 Phase / 50 Hz
Full Load Amps	41.4 Amps
Locked Rotor (Amps Per Phase)	118 Amps
Min. Circuit Breaker Size	50.0 Amps
Refrigerant	R134A
Nominal Heating Capacity	60.72 kW
Power Input	13.72 kW
COP	4.42 COP
Noise Level	67 dBA @ 3 m
Rated Load Amps @ 7°C SST / 51°C SCT	27.0 Amps

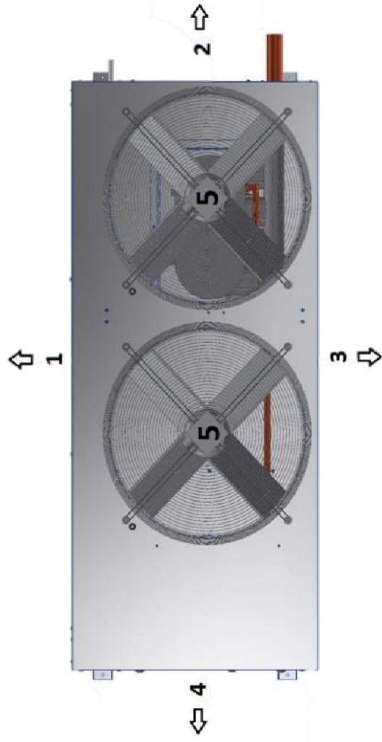
TECHNICAL DATA	
Reference/Size	Compressor
Type	20018
Number Per Unit	Scroll
FLA (Full Load Amps, each)	2
Voltage / Phase	19.3 Amps
Pole/RPM	380 - 415 / 3
Air Flow	2/2,900
External Static Pressure	N/A
	N/A
	4,583 L/s
	5 Pa

HEAT EXCHANGER (Water Side)	
Type of Water Tube	Double Wall
Design	Vented Brazed Plate / Co-axial Tube-in-Tube
Flow Rate Excl. By Pass	3.63 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	65mm Table E Flange
Drain	20mm Aluminium
Defrost	Reverse Cycle De-ice
Cabinet Construction	1.2mm Stucco Aluminium
Approx. Shipping Weight	400 kg
953060DV-DQV-1 (L x W x H)	2180mm x 1135mm x 1360mm
953060DP-DQV-1 (L x W x H)	2180mm x 1135mm x 1360mm

COP TABLE

Water Out °C	Ambient Temperature °C									
	0 °C	5 °C	10 °C	15 °C	20 °C	25 °C	30 °C	35 °C	40 °C	45 °C
45 °C	42.21 kW 3.10 COP	47.84 kW 3.48 COP	53.66 kW 3.90 COP	58.23 kW 4.24 COP	60.72 kW 4.42 COP	66.41 kW 4.83 COP	70.83 kW 5.13 COP	71.74 kW 5.19 COP	72.66 kW 5.25 COP	75.12 kW 5.40 COP
50 °C	41.00 kW 2.74 COP	46.54 kW 3.06 COP	52.17 kW 3.42 COP	56.53 kW 3.72 COP	58.88 kW 3.88 COP	64.22 kW 4.24 COP	68.34 kW 4.52 COP	69.19 kW 4.57 COP	70.04 kW 4.63 COP	72.32 kW 4.78 COP
55 °C	39.89 kW 2.49 COP	45.35 kW 2.78 COP	50.82 kW 3.09 COP	55.01 kW 3.35 COP	57.25 kW 3.49 COP	62.31 kW 3.82 COP	66.18 kW 4.07 COP	66.97 kW 4.12 COP	67.78 kW 4.17 COP	69.90 kW 4.31 COP
60 °C	38.63 kW 2.27 COP	44.01 kW 2.52 COP	49.32 kW 2.80 COP	53.32 kW 3.02 COP	55.45 kW 3.15 COP	61.66 kW 3.44 COP	63.84 kW 3.66 COP	64.59 kW 3.71 COP	65.33 kW 3.75 COP	67.31 kW 3.87 COP
65 °C	N/A	42.10 kW 2.24 COP	47.19 kW 2.48 COP	50.97 kW 2.67 COP	52.96 kW 2.77 COP	57.36 kW 3.01 COP	60.66 kW 3.20 COP	61.34 kW 3.24 COP	62.01 kW 3.28 COP	63.80 kW 3.39 COP
70 °C	N/A	N/A	N/A	N/A	50.15 kW 2.44 COP	54.18 kW 2.64 COP	57.16 kW 2.80 COP	57.76 kW 2.84 COP	58.37 kW 2.87 COP	59.96 kW 2.96 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
	500mm
	1000mm
	850mm
	3500mm

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