

AIR-TO-WATER HEAT PUMP SPECIFICATIONS	
Tube-in-Tube Heat Exchanger / Rheem IQ Control	953152DV-DQV-1
Vented Braze Plate Heat Exchanger / Rheem IQ Control	953152DP-DQV-1

ELECTRICAL INPUT	
Voltage/Phase	380 - 415 Volts / 3 Phase / 50 Hz
Full Load Amps	127.1 Amps
Locked Rotor (Amps Per Phase)	225.0 Amps
Min. Circuit Breaker Size	150.0 Amps
Refrigerant	R134A
Nominal Heating Capacity	159.69 kW
Power Input	36.78 kW
COP	4.34 COP
Noise Level	73 dBA @ 3 m
Rated Load Amps @ 7°C SST / 51°C SCT	77.9 Amps

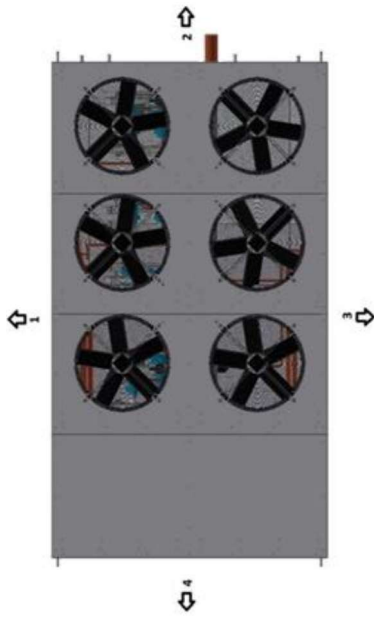
TECHNICAL DATA	
Reference/Size	Compressor 20092
Type	Scroll
Number Per Unit	3
FLA (Full Load Amps, each)	39.7 Amps
Voltage / Phase	380 - 415 / 3
Pole/RPM	2/2,900
Air Flow	N/A
External Static Pressure	N/A

HEAT EXCHANGER (Water Side)	
Type of Water Tube	Double Wall
Design	Vented Braze Plate / Co-axial Tube-in-Tube
Flow Rate Excl. By Pass	9.54 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	1500 kg
953152DV-DQV-1 (L x W x H)	3650mm x 1970mm x 2290mm
953152DP-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	30 °C	35 °C	40 °C	45 °C
45 °C	103.86 kW 2.92 COP	117.89 kW 3.27 COP	133.73 kW 3.68 COP	146.94 kW 4.02 COP	171.78 kW 4.65 COP	177.20 kW 4.79 COP	185.64 kW 5.00 COP	188.53 kW 5.07 COP	191.47 kW 5.15 COP	199.30 kW 5.34 COP
50 °C	102.88 kW 2.63 COP	116.34 kW 2.94 COP	131.47 kW 3.29 COP	144.05 kW 3.58 COP	156.18 kW 3.86 COP	172.82 kW 4.24 COP	180.84 kW 4.43 COP	183.59 kW 4.49 COP	186.38 kW 4.56 COP	193.82 kW 4.73 COP
55 °C	102.23 kW 2.43 COP	115.24 kW 2.70 COP	129.80 kW 3.00 COP	141.89 kW 3.26 COP	153.53 kW 3.51 COP	169.48 kW 3.85 COP	177.16 kW 4.02 COP	179.79 kW 4.07 COP	182.46 kW 4.13 COP	189.59 kW 4.28 COP
60 °C	101.71 kW 2.24 COP	114.27 kW 2.47 COP	128.27 kW 2.74 COP	139.86 kW 2.97 COP	151.01 kW 3.19 COP	166.28 kW 3.49 COP	173.62 kW 3.64 COP	176.14 kW 3.69 COP	178.70 kW 3.74 COP	185.51 kW 3.87 COP
65 °C	N/A	113.24 kW 2.22 COP	126.55 kW 2.45 COP	137.54 kW 2.64 COP	148.08 kW 2.83 COP	162.49 kW 3.08 COP	169.42 kW 3.21 COP	171.79 kW 3.25 COP	174.21 kW 3.29 COP	180.64 kW 3.41 COP
70 °C	N/A	N/A	N/A	N/A	145.38 kW 2.51 COP	154.75 kW 2.66 COP	165.46 kW 2.73 COP	167.70 kW 2.83 COP	169.97 kW 2.87 COP	176.01 kW 3.00 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