Commercial Water

PRELIMINARY SUBMITTAL FORM
Commercial Electric Air to Water Heat Pump

Date: _____
Job: _____
Location: _____
Model: _____
Engineer: _____
Contractor: _____
Prepared by: _____
Notes _____
Indoor ❑ Outdoor ❑

COMMERCIAL ELECTRIC AIR TO WATER HEAT PUMP

Engineered for superior cold climate operation, this system ensures reliable hot water delivery while significantly reducing energy consumption compared to traditional heating methods.

The Commercial Heat Pump maximizes comfort and minimizes operational costs, making it the ideal choice for businesses seeking a cost-effective, eco-friendly solution.

FEATURES

Inverter technology provides variable capacity control and allows the heat pump compressors to operate more efficiently

Constant capacity at cold climates prioritized delivering BTUs to provide hot water even in the coldest of temperatures

Flexibility with indoor or outdoor installation is available. A touch screen control is easy to install and navigate making set-up simple

Features and Benefits

- Low Ambient Performance (-13°F)
- Delivered Hot Water up to 160°F
- User Friendly Touch Screen Control Platform
- No Refrigerant Handling
- Low GWP Refrigerant: R-454B
- BMS Compatible

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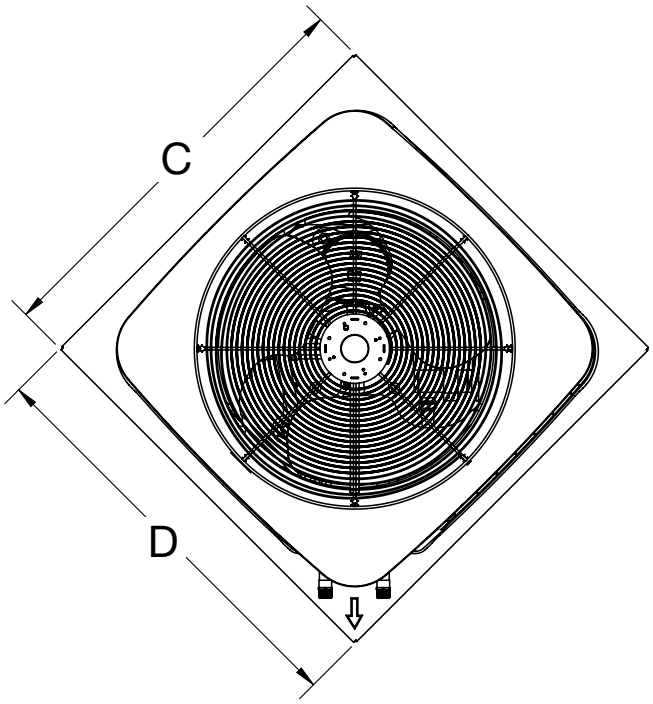
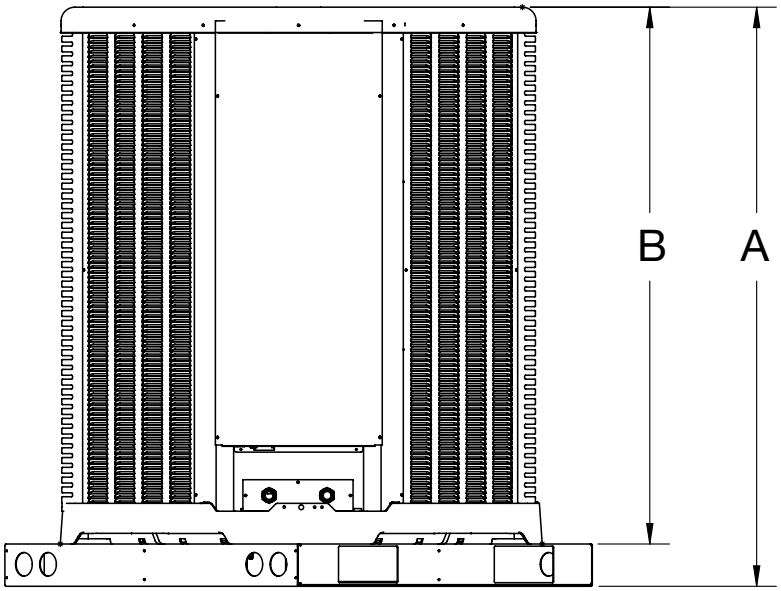
Rheem Model	20 kW		35 kW	
ELECTRICAL INPUT				
Voltage/Phase	480 Volt/ 3 Phase / 60 Hz			
Full Load / Locked Rotor (Amps Per Phase)	19.12 A/ 94.5 A		32.5 A /143 A	
MCA - MOCP	27 A - 40A		40 A- 60 A	
Refrigerant	R454b			
Heating Capacity, BTU/hr*	69,502		118,880	
Power Input, kW	4.9		9.8	
COP*	4.53		4.52	
Noise Level, dBa @ 10ft	test pending		test pending	
Rated Load Amps @ 54°F SST / 113°F SCT	8.5 A		12.5 A	
TECHNICAL DATA				
	Compressor	**Fan**	**Compressor**	**Fan**
Type	Inverter	Axial	Inverter	Axial
Number Per Unit	1	1	1	1
FLA (Full Load Amps, each)	19.12	2.5	32.5	2.5
Pole/RPM	6P/7200	2/1100	6P/7200	2/1100
Air Flow, CFM	N/A	4000	N/A	5000
Max. Static Pressure for Ducting	0.15" W.C.		0.15" W.C.	
HEAT EXCHANGER (Water Side)				
Type of Water Tube	Double Wall - 316L Stainless Steel			
Design	Counter Flow Brazed Plate			
Flow Rate Excl. By Pass, gpm	15		20	
Max. Outlet Water Temp, °F	160		160	
Design Pressure Drop, PSI	4.8		4.8	
Max. Operating Pressure, PSI	140		140	
GENERAL INFORMATION				
Water Connections	1" Copper		1" Copper	
Drain	condesing pan integrated		condesing pan integrated	
Defrost	Hot Gas Injection			
Cabinet Construction	18 Gauge painted commercial steel outdoor specs			
Approx. Shipping Weight, lbs	250		500	
Size L x W x H	37 x 37" x 40"		37" x 37" x 55"	

** DOE test standard, 80ºF ambient with 63% humidity, inlet water temperature at 70ºF, outlet water temperature at 120ºF*

Better Together.

DIMENSIONS AND SPECIFICATIONS FOR 20KW AND 35KW





Model Number	COP*	Heating Output BTU/hr	A	B	Width	Depth
RMHPHDA068VD00	4.53	69,508	39-1/5"	35-1/5"	39-3/4"	39-3/4"
RMHPHDA120VD00	4.52	118,880	55-1/5"	51-4/25"	39-3/4"	39-3/4"

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