



Commercial Air Source Heat Pump Water Heater

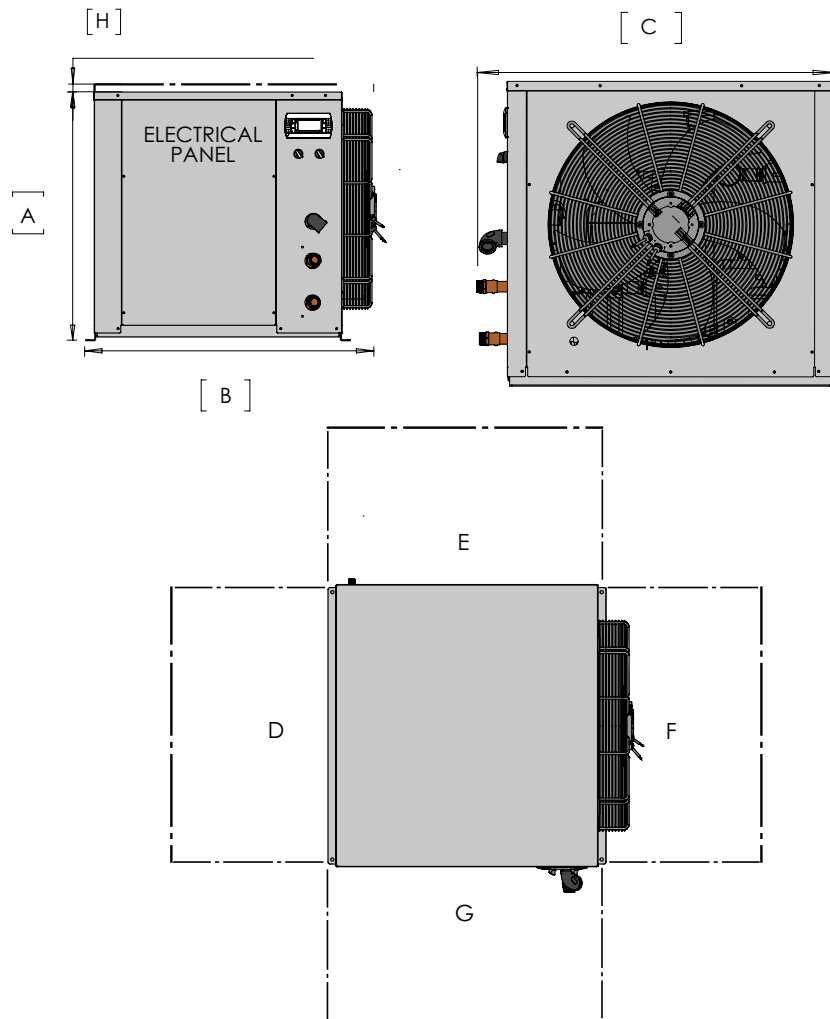


STANDARD FEATURES

- Air-to-Water Heat Pump Water Heater
- Domestic Hot Water Applications
- 60 MBH Nominal Capacity
- COP Efficiency – up to 4.0
- Low GWP R513A Refrigerant
- 150°F Maximum Supply Temperature
- 45°F Minimum Operating Ambient Temperature
- Single or Multi-pass Piping
- Scroll Compressor
- On-board Domestic Hot Water Pump
- Variable Speed Evaporator Fan
- Single Point Electrical Power
- Master/Member Modular Capable (up to 12 units)
- Double-wall Brazed Plate Heat Exchanger
- 71 dB Operating Sound
- Small Compact Footprint
- Indoor Installation
- NSF/ANSI/CAN 372 Low Lead Certification
- UL 1995 & CSA C22.2 No. 236 Certification



DIMENSIONAL DATA



		064
Dimensions		
Height (in) - A		32.3
Width (in) - B		37.7
Depth (in) - C		37.4
Clearance Service Access (in) - D		40
Clearance Service Access (in) - E		24
Clearance Air Flow and/or Service Access (in) - F		40
Clearance Service - Electrical Panel Access (in) - G		40
Clearance Service - (in) - H		1
Operating Weight (lbs.)		450
Shipping Weight (lbs.)		490
Metric Dimensions		
Height (mm) - A		820
Width (mm) - B		957
Depth (mm) - C		950
Clearance Service Access (mm) - D		1016
Clearance Service Access (mm) - E		610
Clearance Air Flow and/or Service Access (mm) - F		1016
Clearance Service - Electrical Panel Access (mm) - G		1016
Clearance Service - (mm) - H		25
Operating Weight (kg)		204
Shipping Weight (kg)		222

Trent THW064 Air Source Heat Pump Water Heater Specifications

Ratings and Capacities	
Capacity * (MBH/kW)	60,000/17.58
Performance * (COP)	4
Sound** (dBA)	71
Water Heater Recovery Rate* (GPH/LPH)	144/545
Agency Approvals	
Appliance Safety Certification	UL 1995
Low Lead Certification	NSF/ANSI/CAN 372 (CSA)
Mechanical Data	
Refrigerant Type	R513A
Number of Circuits	1
System Charge (lbs/kg)	7/3.2
Refrigerant Maximum Discharge Pressure (psi/bar)	450/31.0
Refrigerant Maximum Suction Pressure (psi/bar)	300/20.7
Fan Assembly	Axial - EC Variable
Enviromental Operating Data	
Usage	Indoor
Minimum Operating Ambient Temperature (f/c)	45/7.2
Maximum Operating Ambient Temperature (f/c)	115/46.1
Maximum Altitude (ft/m)	6560/2000
Hydronic Data	
Heat Exchanger Type	Brazed Plate (DW)
Water Volume (gal/liter)	.77/2.9
Minimum Water Side Design Pressure (psi/bar)	25/1.7
Maximum Water Side Design Pressure (psi/bar)	150/10.3
Minimum Entering Water Temperature (f/c)	40/4.4
Maximum Entering Water Temperature (f/c)	130/54.4
Minimum (LWT) Setpoint (f/c)	80/26.6
Maximum (LWT) Setpoint (f/c)	150/65.6
Minimum Flow Rate (gpm/lps)	2.5/0.16
Maximum Flow Rate (gpm/lps)	8.0/0.50
Heat Pump Waterside Pressure Drop @ Max Flow Rate (ft-hd/kPa)***	13.6/40.6
Max Available External Piping Pressure Drop (ft-hd/kPa)****	9.0/26.9
Inlet Water Connection (mpt - in)	1
Outlet Water Connection (mpt - in)	1
Condensate Drain (mpt - in)	3/8
Electrical Data	
Voltage (v/ph/Hz)	208-230/460/575/3/60
MOP - 230/460/575 (A)	45.0/20.0/15.0
MCA - 230/460/575 (A)	28.6/13.0/9.9
SCCR (kA)	10
Dimensions	
Height (in/mm)	32.3/820
Width (in/mm)	37.7/957
Depth (in/mm)	37.4/950
Operating Weight (lb/kg)	450/204
Shipping Weight (lb/kg)	490/222
Clearance Service	
Front - Control Panel (in/mm)	40/1016
Rear - Service Panel Access (in/mm)	24/610
Right (in/mm)	40/1016
Left - Air Flow Coil Face (in/mm)	40/1016
Top, Overhead (in/mm)	1/25
Between Adjacent Units with Coils Facing Each Other (in/mm)	40/1016

*AHRI 1300 Standard, DOE test point of 70°F inlet and 120°F outlet water temperature at 80.6°F test air temperature.

**Average of all sides - 1m from unit face, midpoint of unit.

***Includes Onboard Pump.



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