

Job Name: _____

Location: _____

Drawing Reference: _____

Schedule No. _____

System No.: _____

Date: _____

OUTDOOR VRFZ HEAT PUMP SYSTEM FEATURES

- 3-phase, 208/230V systems
- Modular variable refrigerant flow zoning (VRFZ) systems; smaller capacity units can be piped together to form a single, large-capacity two-pipe system
- Compact size for each outdoor module; components can be transported through standard-sized doorways for installation
- Selectable fan static, 0.12 or 0.24"WG external static pressure; factory set to 0"WG
- Max. Total Refrigerant Line Length: 3,280'; Max. Refrigerant Line Length: 541'; Max. Control Wiring Length: 1,650'
- Connects to CITY MULTI indoor units; controlled via CITY MULTI Controls Network
- External finish: Pre-coated Galvanized-steel Sheets
- Operating Temperature Range
Cooling (Outdoor): 23° ~ 109°F (-5° ~ +43°C) DB
Heating (Outdoor): -4° ~ +60°F (-20° ~ +16°C) WB



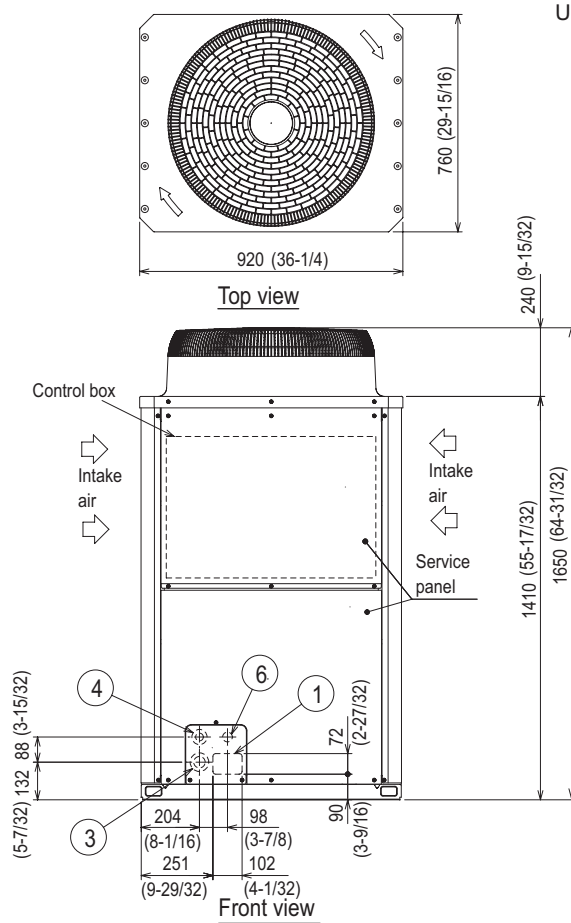
PUHY-P72THMU-A


**OPTIONAL PARTS**

- ☐ Branch Joint (T-Branch: ≤ 72,000 Btu/h).....CMY-Y102S-G2
- ☐ Branch Joint (T-Branch: 73,000-144,000 Btu/h).....CMY-Y102L-G2
- ☐ Header - 4-Branch (Capacity: ≤ 72,000 Btu/h).....CMY-Y104-G
- ☐ Header - 8-Branch (Capacity: ≤ 144,000 Btu/h).....CMY-Y108-G
- ☐ Header - 10-Branch (Capacity: ≤ 234,000 Btu/h).....CMY-Y1010-G

Specifications		Model Name
Unit Type		PUHY-P72THMU-A
Nominal Cooling Capacity	Btu/h	72,000
Nominal Heating Capacity	Btu/h	80,000
External Dimensions (H x W x D)	In. / mm	65 x 36-1/4 x 29-15/16 / 1,650 x 920 x 760
Net Weight	Lbs. / kg	441 / 200
Electrical Power Requirements	Voltage, Phase, Hertz	208/230V, 3-phase, 60Hz
Cooling Power Input	kW	5.27
Heating Power Input	kW	5.68
Cooling Current (208/230V)	A	16.2 / 14.6
Heating Current (208/230V)	A	17.5 / 15.8
Minimum Circuit Ampacity (MCA)	A	23 / 21
Maximum Overcurrent Protection (MOCP)	A	30 / 30
Piping Diameter (Brazed) (In. / mm)	Liquid (High Pressure)	3/8 / 9.52
	Gas (Low Pressure)	3/4 / 19.05
Indoor Unit	Total Capacity	50 to 130% of Outdoor Unit Capacity
	Model / Quantity	P06 to P96 / 1 to 15
Sound Pressure Levels	dB(A)	58.0
Fan		
Type x Quantity		Propeller Fan x 1
Airflow Rate	CFM	7,050
Direct-drive Inverter Motor Output	kW	0.92
Compressor Operating Range		18% to 100%
Compressor Type x Quantity		Inverter-driven Scroll Hermetic x 1
Compressor Motor Output	kW	5.1
Compressor Crankcase Heater	kW	0.051
Refrigerant		R410A
Lubricant		MEL32
High-pressure Protection Device		601 psi / 4.15 MPa
Compressor / Fan Protection Device		Overheat Protection / Thermal Switch
Inverter Protection Device		Overheat / Overcurrent Protection
Blue Fin Anti-corrosion Protection: Cellulose- and polyurethane-resin coating treatment applied to condenser coil that protects it from air contaminants; ≥1µm thick; Salt Spray Test Method - no unusual rust development to 480 hours.		

Model: PUHY-P72THMU-A – DIMENSIONS



Accessories					
● Connecting pipe					
Gas	· Elbow	(IDø25.4 [1] X ODø25.4 [1]).....	P72, P96	1 pc.	
	· Pipe	(IDø25.4 [1] X ODø19.05 [3/4]).....	P72	1 pc.	
	· Pipe	(IDø25.4 [1] X ODø22.2 [7/8]).....	P96	1 pc.	
Liquid	· Pipe	(IDø9.52 [3/8] X ODø9.52 [3/8]).....	P72, P96	1 pc.	

NO.	Usage	Specifications
①	For pipes	Front access hole 102 X 72 Knockout hole (4-1/32) (2-27/32)
②		Bottom access hole 150 X 92 Knockout hole (5-29/32)(3-5/8)
③	For wires	Front access hole ø62.7 or ø34.5 Knockout hole (2-15/32) (1-3/8)
④		Front access hole ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤		Bottom access hole ø52 Knockout hole (2-1/16)
⑥	For transmission cables	Front access hole ø34 Knockout hole (1-11/32)

Model	Position dimensions for the refrigerant service valve		Connection specifications for the refrigerant service valve *1	
	Liquid	Gas	Liquid	Gas
	A	B		
PUHY-P72THMU (-BS)	142 (5-19/32)	170 (6-23/32)	ø9.52 Brazed (3/8)	ø19.05 Brazed (3/4)
PUHY-P96THMU (-BS)		172 (6-25/32)	ø9.52 Brazed (3/8) ø12.7 Brazed)*2 (1/2)	ø22.2 Brazed (7/8)





Certificate Number FM33568



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