

Job Name:

Schedule Reference:

Date:

**OUTDOOR VRF HEAT PUMP SYSTEM FEATURES**

- INVERTER-driven compressor
- Air-source, heat pump system
- Long line lengths - for details see Engineering Manual
- Connects to CITY MULTI indoor units
- Controlled via CITY MULTI Controls Network

**UNIT OPTION**

- Standard Model.....PUHY-P72TKMU-A
- Sea Coast (BS) Model.....PUHY-P72TKMU-A-BS

**OPTIONAL PARTS**

- T-Branch Joint (≤ 72,000 Btu/h).....CMY-Y102SS-G2
- Header - 4-Branch (Capacity: ≤ 72,000 Btu/h).....CMY-Y104C-G
- Header - 8-Branch (Capacity: ≤ 144,000 Btu/h).....CMY-Y108C-G
- Header - 10-Branch (Capacity: ≤ 234,000 Btu/h).....CMY-Y1010C-G



PUHY-P72TKMU-A (-BS)



Specifications		Model Name
Unit Type		PUHY-P72TKMU-A (-BS)
Nominal Cooling Capacity	Btu/h	72,000
Nominal Heating Capacity	Btu/h	80,000
Operating Temperature Range	Cooling (Outdoor) *1	23~115° F (-5~46° C) DB
	Heating (Outdoor)	-4~60° F (-20~15.5° C) WB
External Dimensions (H x W x D)	In. / mm	64-31/32 x 36-1/4 x 29-5/32 / 1,650 x 920 x 740
Net Weight	Lbs. / kg	430 (195)
External Finish		Pre-coated galvanized steel sheet
Electrical Power Requirements	Voltage, Phase, Hertz	208 / 230V, 3-Phase, 60Hz
Cooling Power Input	kW	5.06
Heating Power Input	kW	5.62
Cooling Current (208/230V)	R.L.A.	15.6-14.1
Heating Current (208/230V)	R.L.A.	17.3-15.6
Minimum Circuit Ampacity (MCA)	A	25 / 23
Recommended Fuse/Breaker Size	A	30
Maximum Fuse Size	A	30
<b>Piping Diameter</b>		
From ODU to First Joint or Header (Brazed) (In. / mm)	Liquid (High Pressure)	3/8 (9.52) Brazed
	Gas (Low Pressure)	7/8 (22.2) Brazed
Max. Total Refrigerant Line Length	Ft.	3,280
Max. Refrigerant Line Length (Between ODU & IDU)	Ft.	541
Max. Control Wiring Length	Ft.	1,640
Indoor Unit	Total Capacity	50~130% of outdoor unit capacity
	Model / Quantity	P06~P72/1~15
Sound Pressure Levels	dB(A)	58
<b>Fan</b>		
Type x Quantity		Propeller fan x 1
Airflow Rate	CFM	6,200
External Static Pressure	In. WG (Pa)	Selectable; 0, 0.12 or 0.24"WG; factory set to 0"W.G.
Compressor Operating Range		15% to 100%
Compressor Type x Quantity		Inverter scroll hermetic compressor x 1
Refrigerant		R410A x 19 lbs + 13 oz (9.0 kg)
Protection Devices	High Pressure	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter Circuit (Comp. / Fan)	Over-current protection
	Fan Motor	Thermal switch
AHRI Ratings (Ducted/Non-Ducted)	EER	13 / 14.2
	IEER	19.8 / 21.3
	COP	3.83 / 4.19
<b>Blue Fin Anti-corrosion Protection:</b> Cellulose- and polyurethane-resin coating treatment applied to condenser coil that protects it from air contaminants <b>Standard:</b> ≥1µm thick; Salt Spray Test Method - no unusual rust development to 480 hours. <b>Sea Coast (BS):</b> ≥1µm thick; Salt Spray Test Method - no unusual rust development to 960 hours.		

**NOTES:**

\*1. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

