

Job Name:

Schedule Reference:

Date:

OUTDOOR VRF SYSTEM FEATURES

- Innovative flash technology enables tremendous heating capacity at lower outdoor temperatures
- Provides up to 100% of rated heating capacity at -4° F depending on model
- Modular design; two small capacity units can be piped together to form a large capacity system
- Compact size
- Inverter-driven (variable speed) scroll compressor
- Reduced defrost time
- External finish: Pre-coated Galvanized-steel Sheets with thermoset polyester-resin



PUHY-HP72TJMU-A (-BS)



UNIT OPTION

- Standard Model.....PUHY-HP72TJMU-A
- Sea Coast (BS) Model.....PUHY-HP72TJMU-A-BS

OPTIONAL PARTS

- T-Branch Joint (≤ 72,000 Btu/h).....CMY-Y102SS-G2
- T-Branch Joint (73,000-144,000 Btu/h).....CMY-Y102LS-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

Specifications		Model Name
Unit Type		PUHY-HP72TJMU-A-BS
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	497 / 225
Electrical Power Requirements	Voltage, Phase, Hertz	208 / 230V, 3-phase, 60Hz
Cooling Power Input	kW	5.60
Heating Power Input	kW	6.14
Cooling Current (208/230V)	A	17.2 / 15.6
Heating Current (208/230V)	A	18.9 / 17.1
Minimum Circuit Ampacity (MCA)	A	59 / 54
Recommended Fuse/Breaker Size	A	60 / 60
Maximum Fuse Size	A	100 / 90
Piping Diameter (Brazed) (In. / mm)	Liquid (High Pressure)	1/2 / 12.7
	Gas (Low Pressure)	3/4 / 19.05
Indoor Unit	Total Capacity	50 to 130% of Outdoor Unit Capacity
	Model / Quantity	P06 to P72 / 1 to 15
Sound Pressure Levels	dB(A)	56.0
Fan		
Type x Quantity		Propeller Fan x 1
Airflow Rate	CFM	6,180
Direct-drive Inverter Motor Output	kW	0.92
Compressor Operating Range		Cooling: 30% to 100%; Heating: 16% to 100%
Compressor Type x Quantity		Inverter-driven Scroll Hermetic x 1
Compressor Motor Output	kW	5.3
Compressor Crankcase Heater	kW	0.045
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 960 hours.		

SEACOAST PROTECTION

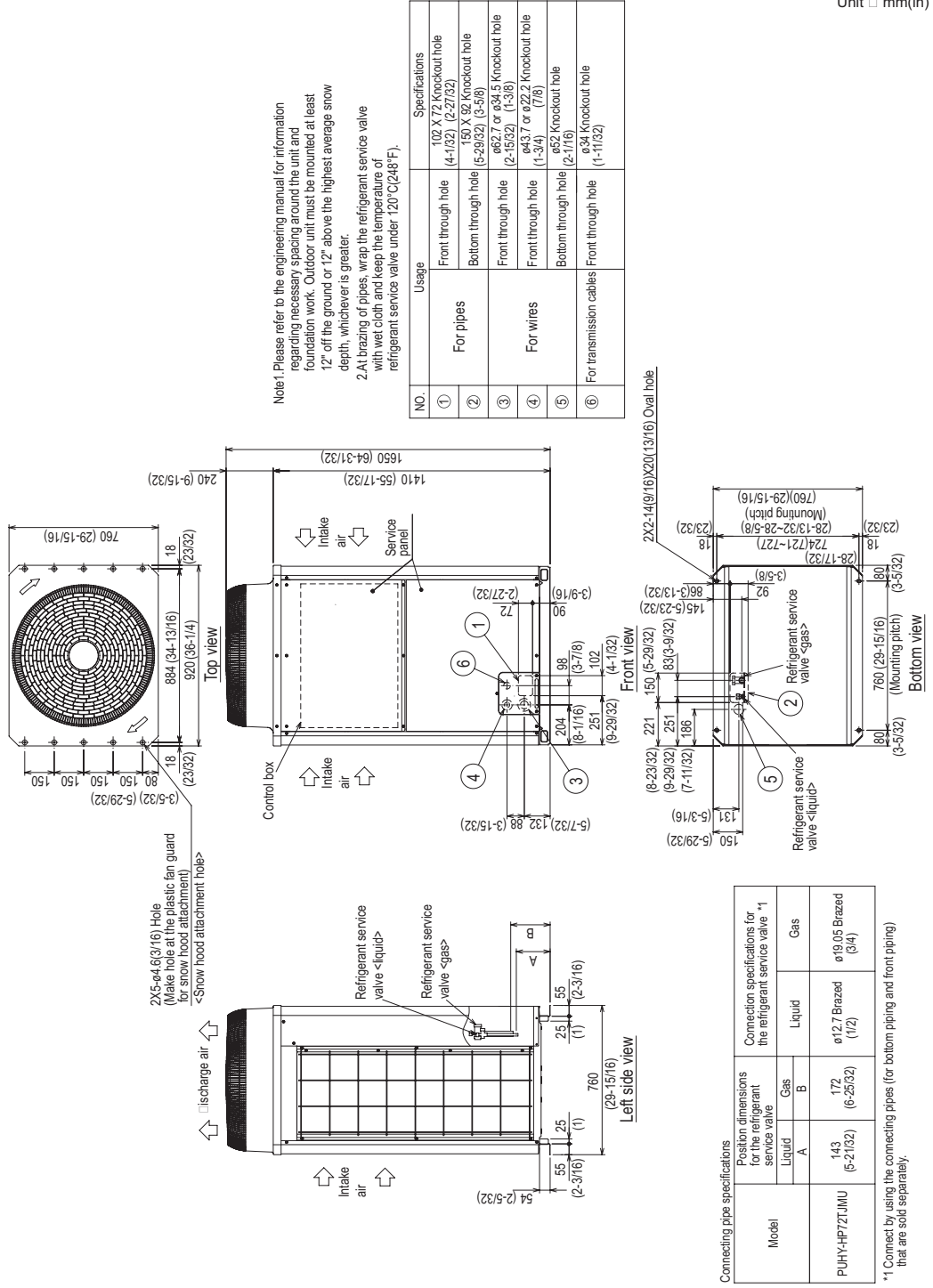
- External Panel Base, External Front Panel, Pillar: Alloyed galvanized-steel sheets with thermoset polyester-resin coating on internal and external surfaces
- Compressor Cover: Galvanized-aluminum sheets with thermoset polyester-resin coating on internal and external surfaces
- Electrical Parts Box: Galvanized-aluminum sheets with thermoset polyester-resin coating on external surface
- Fan Motor Support: Galvanized-steel sheets with thermoset polyester-resin coating on internal and external surfaces
- Printed Circuit Board: Epoxy resin with polyurethane-coating on external surface

Model: PUHY-HP72TJMU-A (-BS) – DIMENSIONS

PUHY-HP72TJMU-A(-BS)

Ref. □ PUHY □ TJMU-A □ □ X □ □ US □ B □ HP72 □

Unit □ mm (in)



Note 1. Please refer to the engineering manual for information regarding necessary spacing around the unit and foundation work. Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater.
 2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

NO.	Usage	Specifications
①	Front through hole	102 X 72 Knockout hole (4-1/32) (2-27/32)
②	Bottom through hole	150 X 92 Knockout hole (5-29/32) (3-5/8)
③	Front through hole	ø62.7 or ø34.5 Knockout hole (2-45/32) (1-3/8)
④	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑤	Bottom through hole	ø52 Knockout hole (2-1/16)
⑥	Front through 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
PUHY-HP72TJMU	143 (5-2/32)	172 (6-25/32)	ø12.7 Braze (1/2)	ø19.05 Braze (3/4)

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are sold separately.



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 Specifications are subject to change without notice.
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