

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-P72TNU-A-TH

Seacoast (BS) Model PUHY-P72TNU-A-TH-BS

Minimum Operating Temperature

Heating (Outdoor): -25°F (-32°C) WB

Below -22°F (-30°C) WB, an auxiliary heating source is highly recommended.

ACCESSORIES

Snow/Wind Guards - (See separate submittal)

Panel Heater - (PAC-PH01EHYU-E) (x1)

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s). Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.

Notes:

- Cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F DB, 67°F WB, (26.7°C DB, 19.4°C WB), Outdoor: 95°F DB, (35°C DB)
- Heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F DB, (21.1°C DB), Outdoor: 47°F DB, 43°F WB, (8.3°C DB, 6.1°C WB)
- When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
- Cooling mode/Heating mode
- External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

* Due to continuing improvement, above specifications may be subject to change without notice.

Specifications are subject to change without notice.

Outdoor Model				PUHY-P72TNU-A (-BS)				
Indoor Model				Non-Ducted		Ducted		
Power source				3-phase 3-wire 208-230 V ±10% 60 Hz				
Cooling capacity *1 (Nominal)			BTU/h	72,000				
			kW	21.1				
			Power input	kW			5.02	
			(208-230) Current input	A			15.4-14.0	
(Rated)			BTU/h	69,000				
			kW	20.2				
			Power input	kW		5.66	6.13	
			(208-230) Current input	A		17.4-15.7	18.9-17.0	
Temp. range of cooling		Indoor	W.B.	59-75°F (15-24°C)				
		Outdoor	D.B.	23-126°F (-5-52°C)				
Heating capacity *2 (Nominal)			BTU/h	80,000				
			kW	23.4				
			Power input	kW			5.42	
			(208-230) Current input	A			16.7-15.1	
(Rated)			BTU/h	76,000				
			kW	22.3				
			Power input	kW		4.89	5.13	
			(208-230) Current input	A		15.0-13.6	15.8-14.3	
Temp. range of heating *3		Indoor	D.B.	59-81°F (15-27°C)				
		Outdoor	W.B.	-13-60°F (-25-15.5°C)				
Indoor unit connectable		Total capacity		50-130% of outdoor unit capacity				
		Model/Quantity		P04-P72/1-18				
Sound power level (measured in anechoic room) *4			dB <A>	74.5/76.5				
Refrigerant piping diameter		Liquid pipe	in. (mm)	3/8 (9.52) Braze				
		Gas pipe	in. (mm)	7/8 (22.2) Braze				
Minimum Circuit Ampacity (*)			A	29-26				
Maximum Overcurrent Protection (*)			A	45-40				
FAN		Type x Quantity		Propeller fan x 1				
		Airflow rate		cfm	6,000			
				m3/min	170			
		Control, Driving mechanism		Inverter-control, Brushless DC motor				
		Motor output		kW	0.92			
		*5 External static press.		0 in.WG (0 Pa)				
Compressor		Type x Quantity		Inverter scroll hermetic compressor x 1				
		Starting method		Inverter				
		Motor output		kW	3.8 x 1			
		Case heater		kW	-			
		Lubricant		MEL32				
External finish				Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>				
External dimension H x W x D			in.	71-5/8 x 36-1/4 x 29-3/16				
			mm	1,818 x 920 x 740				
Protection devices		High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				
		Inverter circuit (COMP./FAN)		Over-current protection				
		Fan motor		-				
Refrigerant		Type x original charge		R410A x 14 lbs + 5 oz (6.5 kg)				
		Control		LEV and HIC circuit				
Net weight			lbs (kg)	470 (213)				
Heat exchanger				Salt-resistant cross fin & copper tube				
HIC circuit (HIC: Heat Inter-Changer)				Copper pipe, tube-in-tube structure				
Defrosting method				Auto-defrost mode (Reversed refrigerant cycle)				
Optional parts				Joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G				

* All electrical work shall comply with National (CEC) and local codes and regulations.

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Module: PUHY-P72TNU-A-TH(-BS) - DIMENSIONS

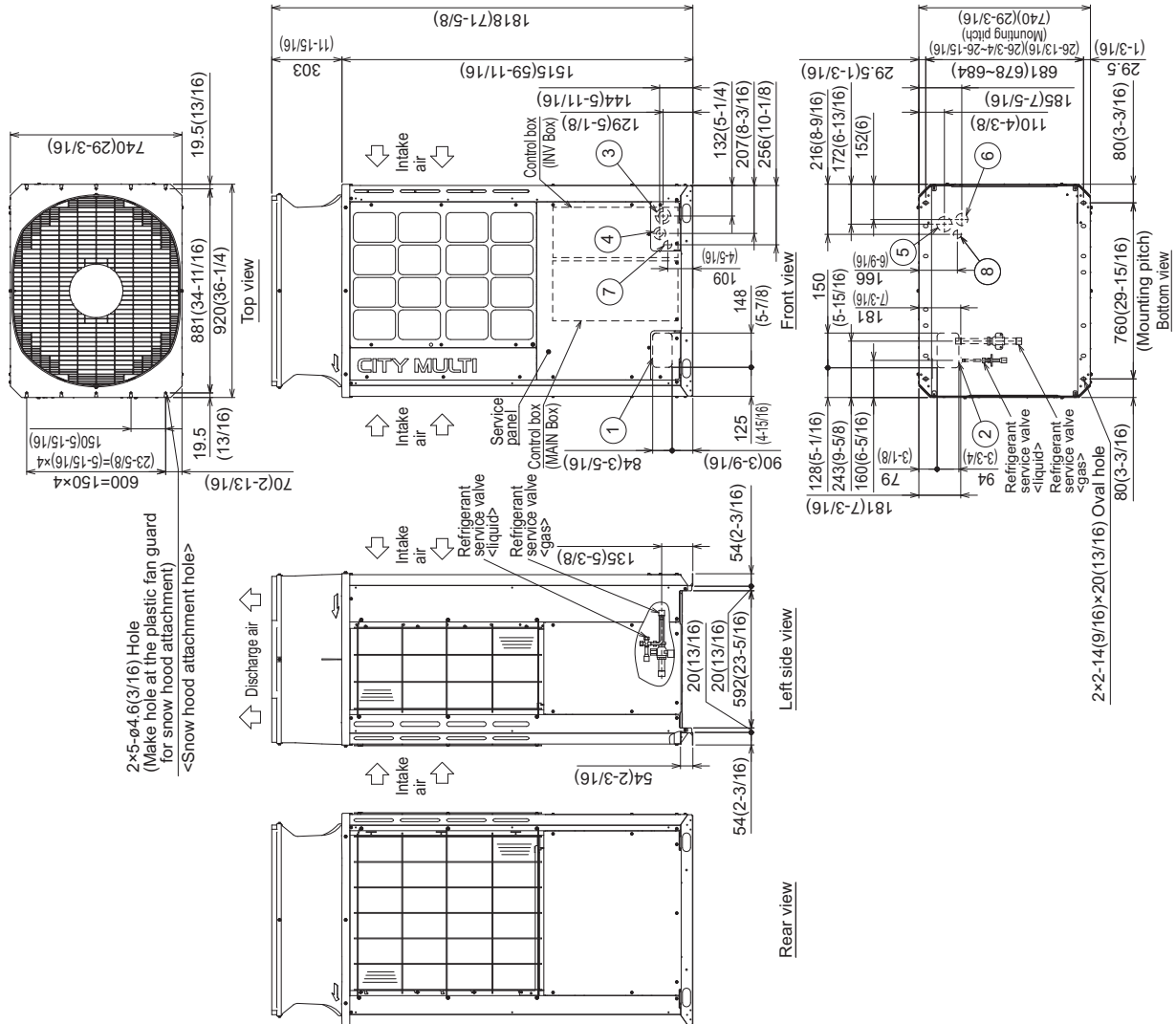
Unit: mm (in.)

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
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).

Connecting pipe specifications

Model	Diameter		
	Refrigerant pipe	Gas	Service valve
P72	ø9.52(3/8)Brazed	ø22.2(7/8)	ø9.52(3/8) Gas ø22.2(7/8)

NO.	Usage	Specifications
①	For pipes	Front through hole 148(5-7/8) x 84(3-3/16) Knockout hole
②		Bottom through hole 150(5-15/16) x 94(3-3/4) Knockout hole
③		Front through hole ø62.7(2-1/2) or ø64.5(1-3/8) Knockout hole
④	For wires	Front through hole ø43.7(1-3/4) or ø22.2(7/8) Knockout hole
⑤		Bottom through hole ø65(2-9/16) Knockout hole
⑥		Bottom through hole ø52(2-1/16) Knockout hole
⑦	For transmission cables	Front through hole ø34(1-3/8) Knockout hole
⑧		Bottom through hole ø34(1-3/8) Knockout hole



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