

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-P72TNU-A1

Seacoast (BS) Model PUHY-P72TNU-A1-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-A1 (-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			
			(208-230) 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			
			(208-230) 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		Liquid pipe	in. (mm)	3/8 (9.52) Braze						
piping diameter		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		0.035				
		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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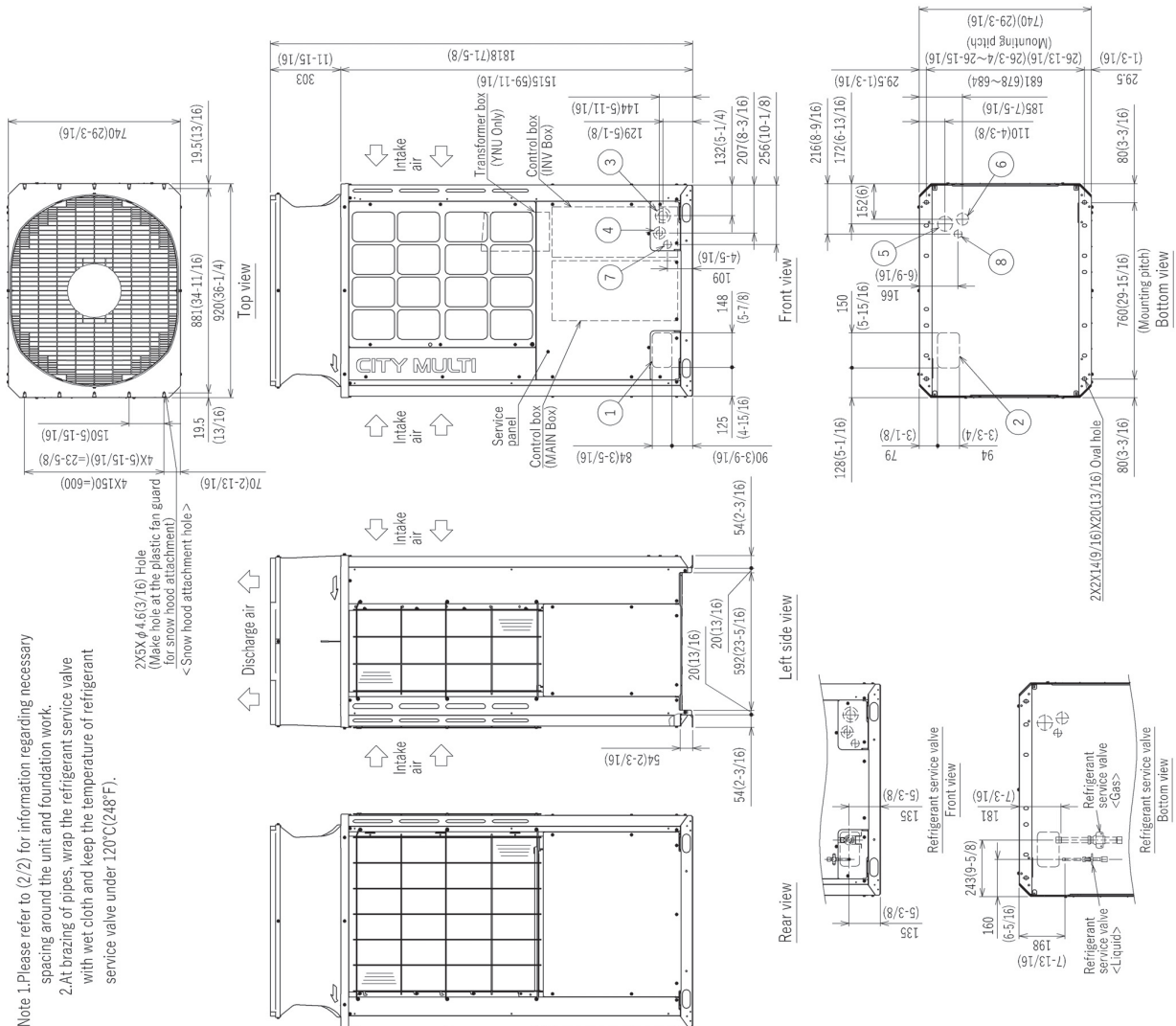
Module: PUHY-P72TNU-A1(-BS) - DIMENSIONS

Unit: mm (in.)

Connecting pipe specifications

Model	Refrigerant pipe *1		Diameter	
	Liquid	Gas	Liquid	Gas
(E)P72	φ9.52(3/8)	φ22.2(7/8)	Brazed	φ9.52(3/8) φ22.2(7/8)

*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.



No.	Usage	Specifications
①	Front through hole	148(5-7/8) X 84(3-5/16) Knockout hole
②	Bottom through hole	150(5-15/16) X 94(3-3/4) Knockout hole
③	Front through hole	φ62.7(2-1/2) or φ34.5(1-3/8) Knockout hole
④	Front through hole	φ43.7(1-3/4) or φ22.2(7/8) Knockout hole
⑤	Bottom through hole	φ65(2-9/16) Knockout hole
⑥	Bottom through hole	φ52(2-1/16) Knockout hole
⑦	Front through hole	φ34(1-3/8) Knockout hole
⑧	Bottom through hole	φ34(1-3/8) Knockout hole

Note 1. Please refer to (2/2) 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).

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