

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-P96TNU-A1

Seacoast (BS) Model PUHY-P96TNU-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-PH02EHYU-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:

1. Nominal 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)
 2. Nominal 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)
 3. 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.
 4. Cooling mode/Heating mode
 5. 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-P96TNU-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	96,000			
			kW	28.1			
			Power input	kW	6.46		
		(208-230)	Current input	A	19.9-18.0		
		(Rated)		BTU/h	92,000		
				kW	27.0		
			Power input	kW	7.82	7.93	
		(208-230)	Current input	A	24.1-21.8	24.4-22.1	
		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	108,000			
			kW	31.7			
			Power input	kW	7.37		
		(208-230)	Current input	A	22.7-20.5		
		(Rated)		BTU/h	103,000		
				kW	30.2		
			Power input	kW	6.67	6.90	
		(208-230)	Current input	A	20.5-18.6	21.2-19.2	
		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~P96/1~24			
Sound power level (measured in anechoic room) *4			dB <A>	75.5/77.5			
Refrigerant		Liquid pipe	in. (mm)	3/8 (9.52) Braze (1/2 (12.7) Braze, the farthest pipe length >= 90 m)			
piping diameter		Gas pipe	in. (mm)	7/8 (22.2) Braze			
Minimum Circuit Ampacity (*)			A	40-36			
Maximum Overcurrent Protection (*)			A	60-50			
FAN		Type x Quantity		Propeller fan x 2			
		Airflow rate	cfm	6,700			
			m3/min	190			
		Control, Driving mechanism		Inverter-control, Brushless DC motor			
		Motor output	kW	0.46+0.46			
		*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	5.5 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 48-7/8 x 29-3/16			
			mm	1,818 x 1,240 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 21 lbs + 9 oz (9.8 kg)			
		Control		LEV and HIC circuit			
Net weight			lbs (kg)	580 (263)			
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-P96TNU-A1(-BS) - DIMENSIONS

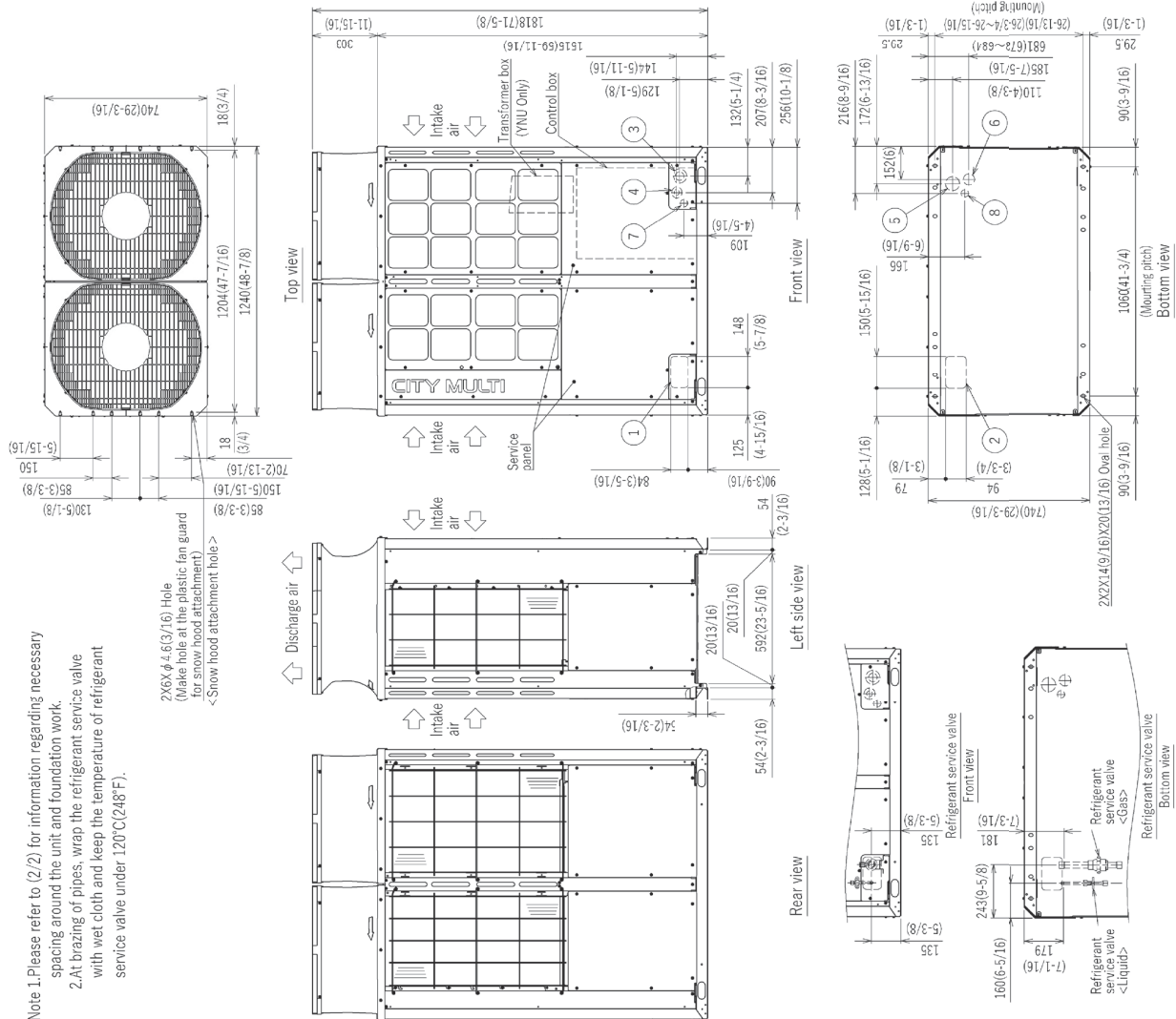
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe *1		Service valve	
	Liquid	Gas	Liquid	Gas
(E)P96	φ 9.52(3/8)	φ 22.2(7/8)	Brased	φ 28.58(1-1/8)
(E)P96	φ 12.7(1/2)	φ 22.2(7/8)	Brased	φ 28.58(1-1/8)
(E)P120	φ 9.52(3/8)	φ 28.58(1-1/8)	Brased	φ 28.58(1-1/8)
(E)P120	φ 12.7(1/2)	φ 28.58(1-1/8)	Brased	φ 28.58(1-1/8)
(E)P144	φ 12.7(1/2)	φ 28.58(1-1/8)	Brased	φ 28.58(1-1/8)

- *1 Connect the refrigerant pipe to the service valve according to the Installation Manual.
- *2 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.
- *3 Furthest piping length (OU from IU) ≧ 90m (295ft)
- *4 Furthest piping length (OU from IU) ≧ 40m (131ft)

No.	Usage	Specifications
①	For pipes	Front through hole 148(5-7/8) X 84(3-5/16) Knockout hole
②	For pipes	Bottom through hole 150(5-15/16) X 94(3-3/4) Knockout hole
③	For pipes	Front through hole 162(7-1/2) or 164(6-5/8) Knockout hole
④	For wires	Front through hole 148(5-7/8) X 84(3-5/16) Knockout hole
⑤	For wires	Bottom through hole 162(7-1/2) or 164(6-5/8) Knockout hole
⑥	For wires	Front through hole 148(5-7/8) X 84(3-5/16) Knockout hole
⑦	For transmission cables	Front through hole 148(5-7/8) X 84(3-5/16) Knockout hole
⑧	For transmission cables	Bottom through hole 150(5-15/16) X 94(3-3/4) 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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