

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP96TNU-A1

Seacoast (BS) Model PUHY-EP96TNU-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. 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. 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. Cooling mode/Heating mode
4. External static pressure option is available (0.12 in. WG, 0.24 in. WG, 0.32 in. WG/30 Pa, 60 Pa, 80 Pa).

Specifications are subject to change without notice.

Outdoor Model				PUHY-EP96TNU-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						
(208-230)			Power input		kW		6.12				
			Current input		A		18.8-17.0				
(Rated)			BTU/h		92,000						
			kW		27.0						
(208-230)			Power input		kW		7.36		7.45		
			Current input		A		22.6-20.5		22.9-20.7		
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						
(208-230)			Power input		kW		7.26				
			Current input		A		22.3-20.2				
(Rated)			BTU/h		103,000						
			kW		30.2						
(208-230)			Power input		kW		6.59		6.79		
			Current input		A		20.3-18.3		20.9-18.9		
Temp. range of heating			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) *3				dB <A>		75.0/77.5					
Refrigerant			Liquid pipe		in. (mm)		3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 90 m)				
piping diameter			Gas pipe		in. (mm)		7/8 (22.2) Brazed				
Minimum Circuit Ampacity (*)				A		44-40					
Maximum Overcurrent Protection (*)				A		70-60					
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				
*4			External static press.			0 in.WG (0 Pa)					
Compressor			Type x Quantity			Inverter scroll hermetic compressor x 1					
			Starting method			Inverter					
			Motor output		kW		5.4 x 1				
			Case heater		kW		0.045				
			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)		622 (282)					
Heat exchanger				Salt-resistant cross fin & aluminium 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-EP96TNU-A1(-BS) - DIMENSIONS

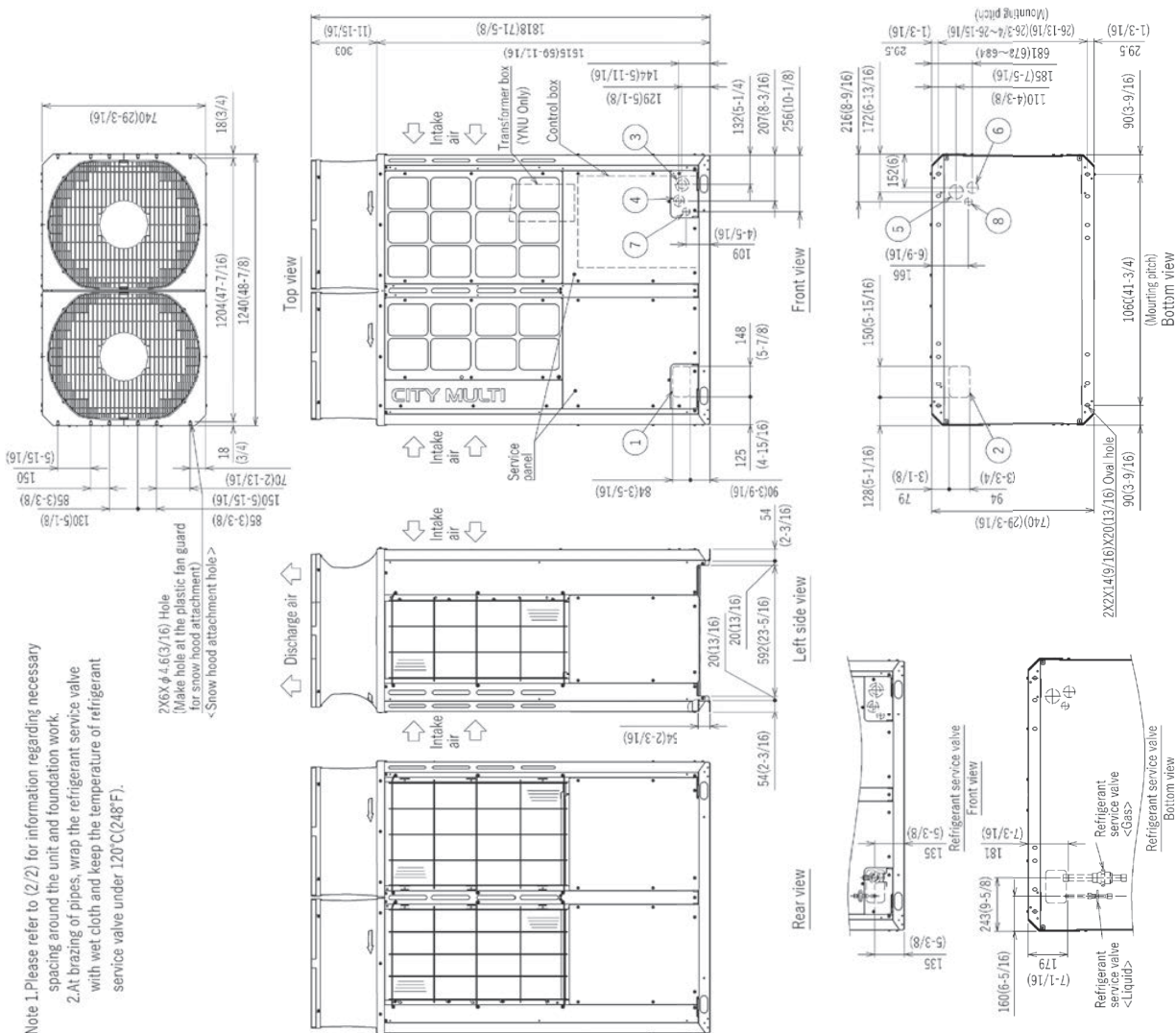
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe *1		Service valve	
	Liquid	Gas	Liquid	Gas
(E)P96	φ 9.52(3/8)	Brazed	φ 12.7(1/2)	φ 28.58(1-1/8)
(E)P96	φ 12.7(1/2)	Brazed *3	φ 12.7(1/2)	φ 28.58(1-1/8)
(E)P120	φ 9.52(3/8)	Brazed	φ 12.7(1/2)	φ 28.58(1-1/8)
(E)P120	φ 12.7(1/2)	Brazed *4	φ 12.7(1/2)	φ 28.58(1-1/8)
(E)P144	φ 12.7(1/2)	Brazed	φ 12.7(1/2)	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) $\geq 90\text{m}$ (295ft)
- *4 Furthest piping length (OU from IU) $\geq 40\text{m}$ (131ft)

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



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