

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP120TNU-A1

Seacoast (BS) Model PUHY-EP120TNU-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-EP120TNU-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	120,000	
			kW	35.2	
	(208-230)	Power input	kW	8.19	
		Current input	A	25.2-22.8	
	(Rated)			BTU/h	115,000
				kW	33.7
	(208-230)	Power input	kW	10.41	10.38
		Current input	A	32.1-29.0	32.0-28.9
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	135,000	
			kW	39.6	
	(208-230)	Power input	kW	9.63	
		Current input	A	29.7-26.8	
	(Rated)			BTU/h	129,000
				kW	37.8
	(208-230)	Power input	kW	8.66	9.06
		Current input	A	26.7-24.1	27.9-25.2
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		Total capacity			50~130% of outdoor unit capacity
connectable		Model/Quantity			P04~P96/1~30
Sound power level (measured in anechoic room) *3			dB <A>	79.5/81.0	
Refrigerant		Liquid pipe	in. (mm)	3/8 (9.52) Brazed 1/2 (12.7) Brazed, the farthest pipe length >= 40 m)	
piping diameter		Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity (*)			A	55-49	
Maximum Overcurrent Protection (*)			A	90-80	
FAN		Type x Quantity		Propeller fan x 2	
		Airflow rate	cfm	7,750	
			m3/min	220	
		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	7.4 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)	633 (287)	
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, CMY-Y202S-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-EP120TNU-A1(-BS) - DIMENSIONS

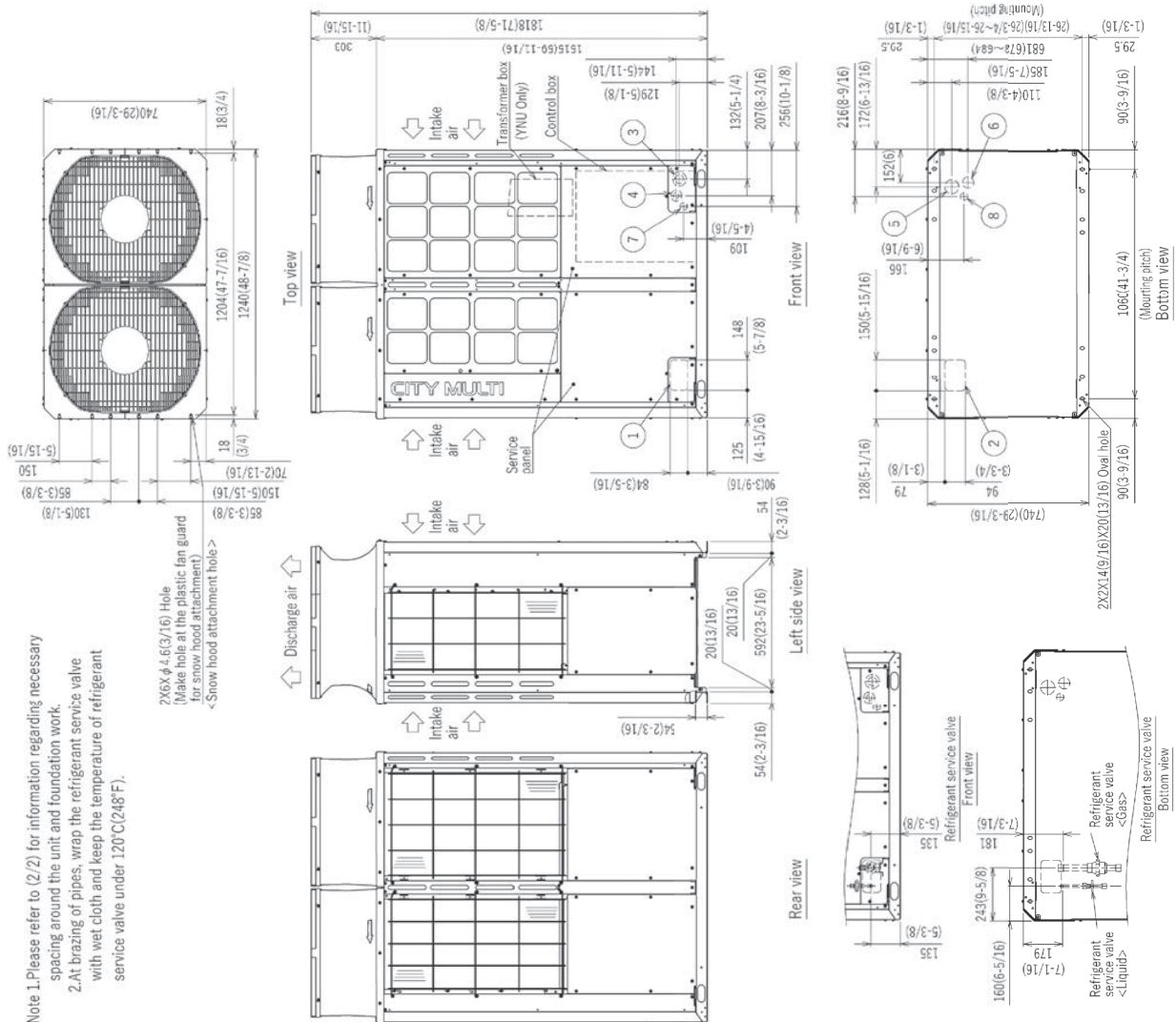
Unit: mm (in.)

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) ≥ 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		Bottom through hole 150(5-15/16) X 94(3-3/4) Knockout hole
③		Front through hole 162(7-1/2) or 164(6-5/8) Knockout hole
④	For wires	Front through hole 143(5-1/4) or 144(5-1/2) Knockout hole
⑤		Bottom through hole 165(6-5/8) Knockout hole
⑥		Bottom through hole 152(2-1/16) Knockout hole
⑦	For transmission cables	Front through hole 134(5-1/4) Knockout hole
⑧		Bottom through hole 134(5-1/4) Knockout hole



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