

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP168TNU-A1

Seacoast (BS) Model PUHY-EP168TNU-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-PH03EHYU-E(1)) (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/24.4°C DB/67°F/19.4°C WB, Outdoor: 95°F/35°C DB, (35°C DB, 67°F/19.4°C WB)
2. Heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F/21.1°C DB, Outdoor: 47°F/8.3°C DB, (8.3°C DB, 47°F/8.3°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-EP168TNU-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	168,000			
			kW	49.2			
(208-230)	Power input	kW	13.53				
	Current input	A	41.7-37.7				
(Rated)		BTU/h	160,000				
		kW	46.9				
(208-230)	Power input	kW	15.65		15.33		
	Current input	A	48.2-43.6		47.2-42.7		
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	188,000			
			kW	55.1			
(208-230)	Power input	kW	13.95				
	Current input	A	43.0-38.9				
(Rated)		BTU/h	178,000				
		kW	52.2				
(208-230)	Power input	kW	12.29		13.17		
	Current input	A	37.9-34.2		40.6-36.7		
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~P96/1~42			
Sound power level (measured in anechoic room) *3			dB <A>	81.0/80.5			
Refrigerant piping diameter		Liquid pipe	in. (mm)	5/8 (15.88) Brazed			
		Gas pipe	in. (mm)	1-1/8 (28.58) Brazed			
Minimum Circuit Ampacity (*)			A	70-67			
Maximum Overcurrent Protection (*)			A	110-110			
FAN		Type x Quantity		Propeller fan x 2			
		Airflow rate	cfm	11650 / 10600			
			m3/min	330 / 300			
		Control, Driving mechanism		Inverter-control, Brushless DC motor			
		Motor output	kW	0.92+0.92			
		*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	11.2 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 68-15/16 x 29-3/16			
			mm	1,818 x 1,750 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 23 lbs + 12 oz (10.8 kg)			
		Control		LEV and HIC circuit			
Net weight			lbs (kg)	761 (345)			
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.

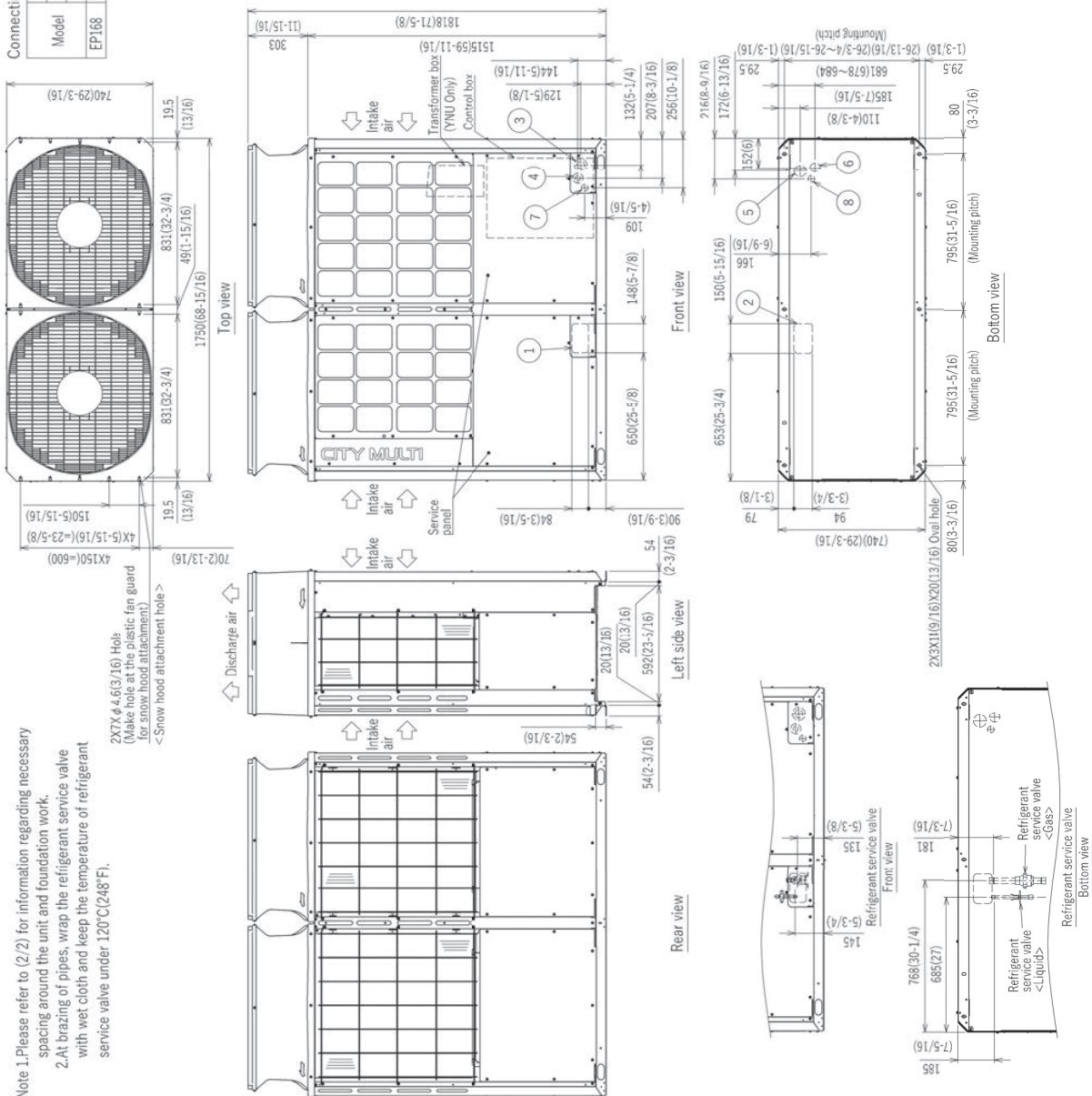
Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

Unit: mm (in.)

Connecting pipe specifications				
Model	Diameter			
	Refrigerant pipe *1			Service valve
	Liquid	Gas	Gas	
EP168	φ15.88(5/8)	Brazed	φ28.58(1-1/8) Brazed	φ5.88(5/8) φ28.58(1-1/8)

*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 849(5-1/6) Knockout hole
②	For pipes	Bottom through hole 150(5-15/16) x 413(3-3/4) Knockout hole
③		Front through hole 162(12-1/2) or 434(5-1-3/8) Knockout hole
④		Front through hole ϕ 43.7(1-3/4) or ϕ 22(7/8) Knockout hole
⑤	For wires	Bottom through hole ϕ 55(2-5/16) Knockout hole
⑥		Bottom through hole ϕ 52(2-1/16) Knockout hole
⑦	For transmission	Front through hole ϕ 34(1-3/8) Knockout hole
⑧		Bottom through hole 426(17-3/8) Knockout hole



Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.