

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP168TNU-A-TH

Seacoast (BS) Model PUHY-EP168TNU-A-TH-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:

- Cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F/26.7°C DB/19.4°C WB, Outdoor: 95°F/35°C DB, (35°C DB)
- Heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F/21.1°C DB, Outdoor: 47°F/8.3°C WB, (8.3°C DB/6.1°C WB)
- 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).

Specifications are subject to change without notice.

Outdoor Model				PUHY-EP168TNU-A (-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) Braze	
			Gas pipe		in. (mm)		1-1/8 (28.58) Braze	
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		-	
			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.

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Module: PUHY-EP168TNU-A-TH(-BS) - DIMENSIONS

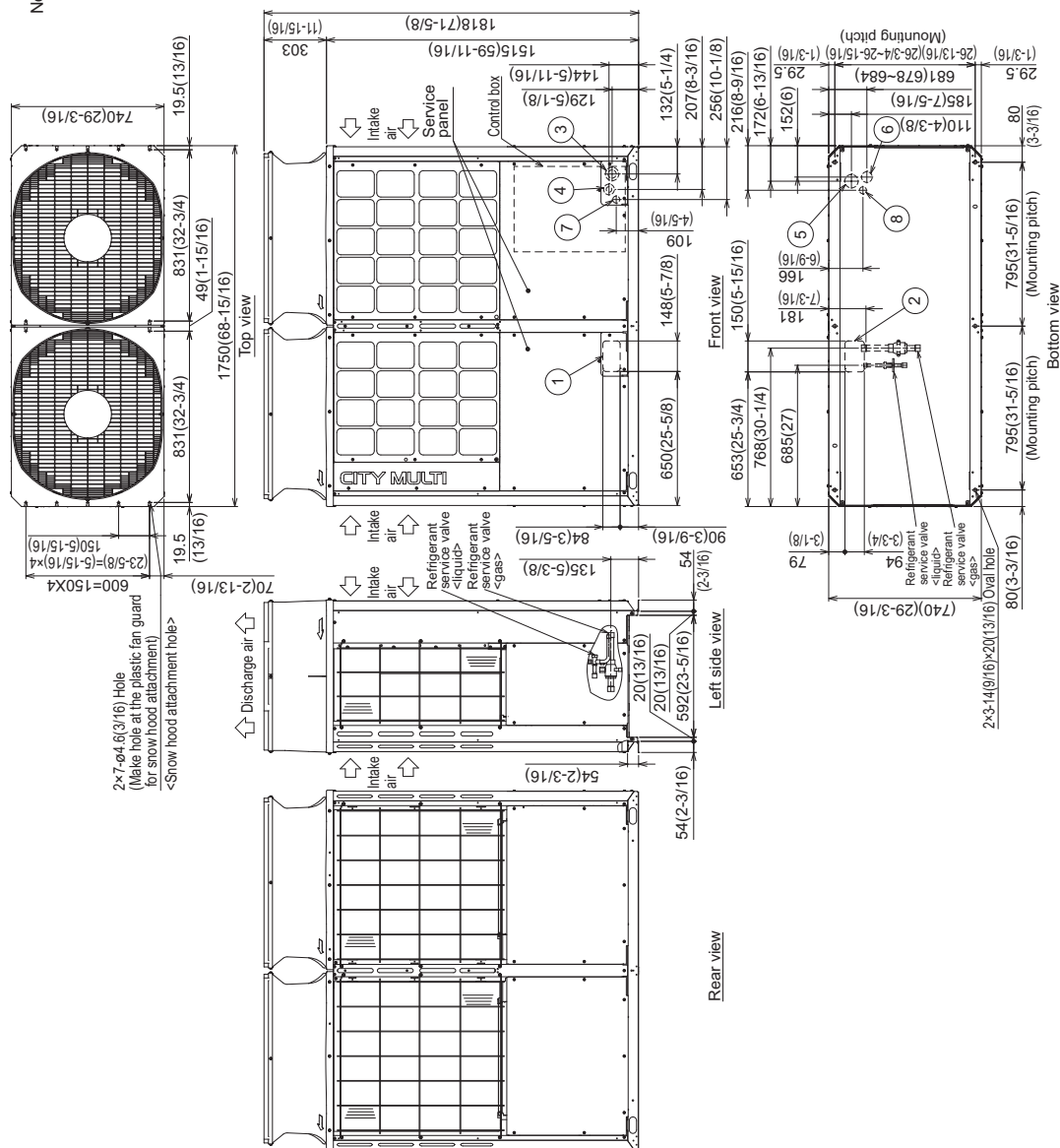
Unit: mm (in.)

Note 1. Please refer to the next page 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).

Model	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
EP168	ø15.88(5/8)	Brazed	ø28.58(1-1/8)	ø15.88(5/8)
EP192				ø28.58(1-1/8)

Connecting pipe specifications

No.	Usage	Specifications
①	For pipes	Front through hole 148(5-7/8) × 84(3-5/16) Knockout hole
②		Bottom through hole 150(5-15/16) × 94(3-3/4) Knockout hole
③		Front through hole ø62.7(2-1/2) or ø34.5(1-3/8) Knockout hole
④		Front through hole ø43.7(1-3/4) or ø22.2(7/8) Knockout hole
⑤		Bottom through hole ø65(2-9/16) Knockout hole
⑥		Bottom through hole ø52(2-1/16) Knockout hole
⑦	For transmission cables	Front through hole ø34(1-3/8) Knockout hole
⑧		Bottom through hole ø34(1-3/8) Knockout hole



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