

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP72TNU-A-TH

Seacoast (BS) Model PUHY-EP72TNU-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-PH01EHYU-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:

- Cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F/49.4°F/67°F WB (26.7°C/10.2°C/19.4°C WB), Outdoor: 95°F/52.8°F (35°C/12.7°C)
- Heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F/41.1°C/43°F WB (21.1°C/10.6°C/25.0°C WB), Outdoor: 47°F/7.8°C/43°F WB (8.3°C/4.4°C/25.0°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-EP72TNU-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	72,000				
			kW	21.1				
(208-230)			Power input	kW			4.58	
			Current input	A			14.1-12.7	
(Rated)			BTU/h	69,000				
			kW	20.2				
(208-230)			Power input	kW		4.94	5.45	
			Current input	A		15.2-13.7	16.8-15.2	
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	80,000				
			kW	23.4				
(208-230)			Power input	kW			5.21	
			Current input	A			16.0-14.5	
(Rated)			BTU/h	76,000				
			kW	22.3				
(208-230)			Power input	kW		4.63	5.01	
			Current input	A		14.2-12.9	15.4-13.9	
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			Total capacity		50~130% of outdoor unit capacity			
connectable			Model/Quantity		P04~P72/1~18			
Sound power level (measured in anechoic room) *3				dB <A>		74.5/76.0		
Refrigerant piping diameter			Liquid pipe	in. (mm)	3/8 (9.52) Brazed			
			Gas pipe	in. (mm)	7/8 (22.2) Brazed			
Minimum Circuit Ampacity (*)				A		32-29		
Maximum Overcurrent Protection (*)				A		50-45		
FAN			Type x Quantity		Propeller fan x 1			
			Airflow rate		cfm	6,000		
					m3/min	170		
			Control, Driving mechanism		Inverter-control, Brushless DC motor			
			Motor output	kW	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	3.6 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 36-1/4 x 29-3/16			
				mm	1,818 x 920 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 14 lbs + 5 oz (6.5 kg)			
			Control		LEV and HIC circuit			
Net weight				lbs (kg)		512 (232)		
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-EP72TNU-A-TH(-BS) - DIMENSIONS

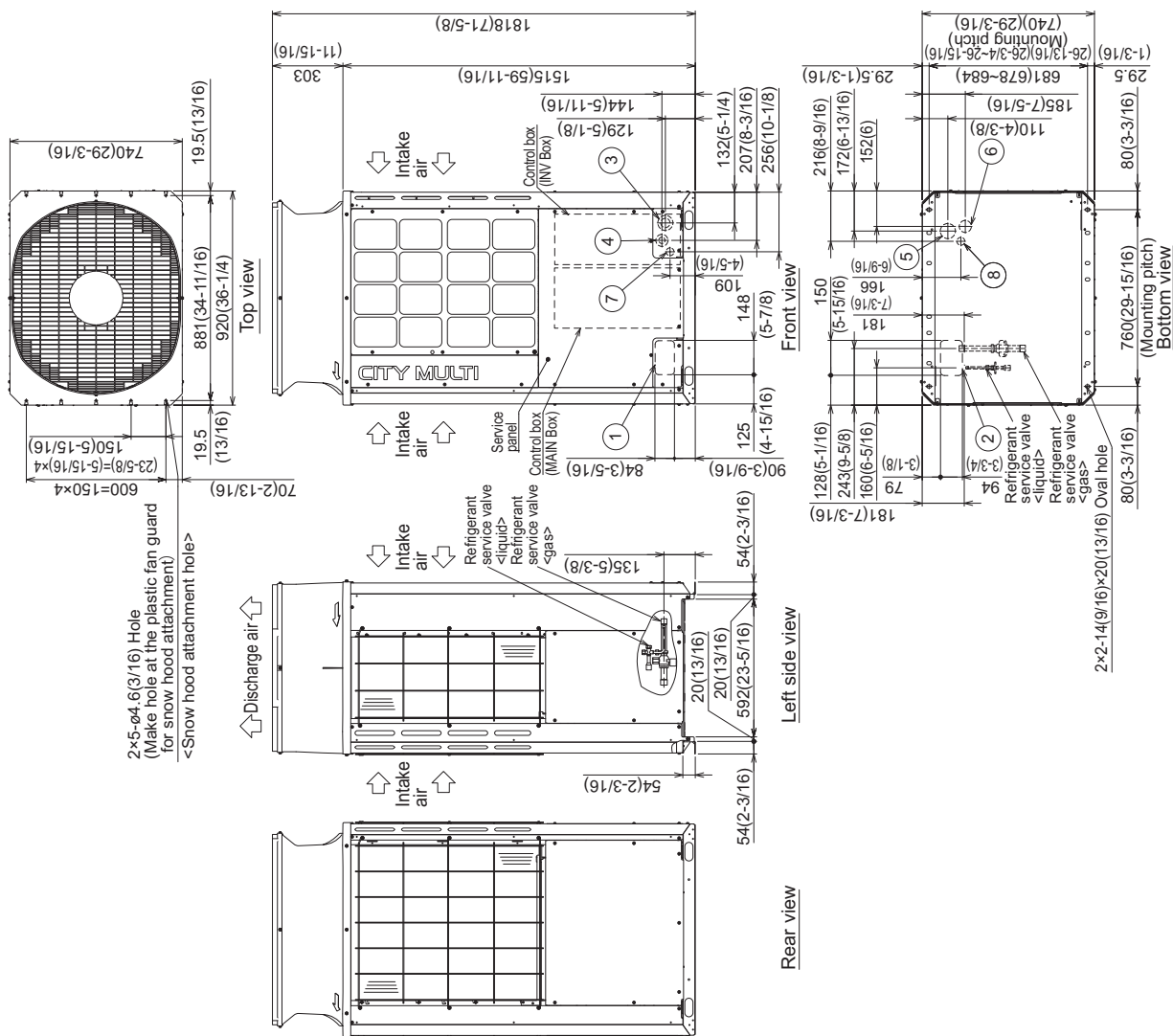
Unit: mm (in.)

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).

Connecting pipe specifications

Model	Refrigerant pipe		Diameter	
	Liquid	Gas	Liquid	Gas
EP72	ø9.52(3/8)	Brazed(ø22.2(7/8)	ø9.52(3/8)	ø22.2(7/8)

NO.	Usage	Specifications
①	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	Front through hole	ø34(1-3/8) Knockout hole
⑧	Bottom through hole	ø34(1-3/8) Knockout hole



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