

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP72TNU-A1

Seacoast (BS) Model PUHY-EP72TNU-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-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/67°F/67°F (26.7°C/19.4°C/19.4°C), Outdoor: 95°F/67°F (35°C/19.4°C)
- Heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F/67°F (21.1°C/19.4°C), Outdoor: 47°F/43°F/43°F (8.3°C/5.6°C/5.6°C)
- 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-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	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 connectable			Total capacity		50~130% of outdoor unit capacity			
			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	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 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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Unit: mm (in.)

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe *1		Service valve	
(E/P)T2	Liquid	Gas	Liquid	Gas
	Brazed	φ22.2(7/8)	Brazed	φ9.52(3/8) φ22.2(7/8)

*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.

The diagram illustrates the CITY MULTI outdoor unit from five perspectives: Top, Front, Rear, Left side, and Bottom. Key dimensions and labels include:

- Top view:** Shows the unit's footprint with dimensions 740(29-3/16) x 920(36-1/4). It identifies the Service panel (MAIN Box), Control box (INV Box), and Transformer box (YNU Only). Intake air is indicated on the left and right sides.
- Front view:** Shows the unit's height and width. Dimensions include 1818(71-5/8) for the main body and 1515(59-11/16) for the base. It shows the Service panel, Control box, and Transformer box. Intake air is indicated on the left and right sides.
- Rear view:** Shows the back of the unit with dimensions 135(5-3/8) and 160(6-5/16). It shows the Refrigerant service valve and the Knockout hole.
- Left side view:** Shows the side profile of the unit with dimensions 54(2-3/16) and 20(13/16). It shows the Discharge air and Intake air.
- Bottom view:** Shows the base of the unit with dimensions 760(29-15/16) and 80(3-3/16). It shows the 2X2X14(9/16)X20(13/16) Oval hole and the Knockout hole.

Additional labels and notes include:

- 2X5X4.4(3/16) Hole (Make hole at the plastic fan guard for snow hood attachment) < Snow hood attachment hole >
- 4X(5-15/16)=23-5/8
- 4X150(=600)
- 150(5-15/16)
- 19.5(13/16)
- 881(34-11/16)
- 740(29-3/16)
- 19.5(13/16)
- 920(36-1/4)
- 1818(71-5/8)
- 1515(59-11/16)
- 144(5-11/16)
- 129(5-1/8)
- 132(5-1/4)
- 207(8-3/16)
- 256(10-1/8)
- 90(3-9/16)
- 125(4-15/16)
- 84(3-5/16)
- 109(4-5/16)
- 148(5-7/8)
- 216(8-9/16)
- 172(6-13/16)
- 29.5(1-3/16)
- 681(26-3/4)
- 185(7-1/8)
- 110(4-3/8)
- 26-13/16(26-3/4~26-5/16)
- 740(29-3/16)
- 1-3/16
- 29.5
- 80(3-3/16)
- 760(29-15/16)
- 2X2X14(9/16)X20(13/16) Oval hole
- 80(3-3/16)
- 128(5-1/16)
- 150(5-15/16)
- 166(6-9/16)
- 94(3-3/4)
- 79(3-1/8)
- 135(5-3/8)
- 160(6-5/16)
- 243(9-5/8)
- 181(7-3/16)
- 198(7-13/16)

Note 1, Please refer to (2/2) 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).

NO.	Usage	Specifications
①	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	φ62.7(2-1/2) or φ34.5(1-3/8) Knockout hole
④	Front through hole	φ43.7(1-3/4) or φ22.2(7/8) Knockout hole
⑤	Bottom through hole	φ65(2-9/16) Knockout hole
⑥	Bottom through hole	φ52(2-1/16) Knockout hole
⑦	For transmission cables	Front through hole φ34(1-3/8) Knockout hole
⑧	Bottom through hole	φ34(1-3/8) Knockout hole

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