

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P72TNU-A1

Seacoast (BS) Model PURY-P72TNU-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.

System requires firmware Ver. 26.35 or later.

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:

1. Nominal cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.), Outdoor: 95°F D.B. (35°C D.B.)
 2. Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F D.B. (21.1°C D.B.), Outdoor: 47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)
 3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
 4. Cooling mode/Heating mode
 5. External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).
- * Due to continuing improvement, above specifications may be subject to change without notice.

Outdoor Model			PURY-P72TNU-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	4.62	
			Current input	A	14.2-12.8	
		(Rated)		BTU/h	69,000	
				kW	20.2	
(208-230)	Power input	kW	5.54	5.69		
	Current input	A	17.0-15.4	17.5-15.8		
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	5.66	
			Current input	A	17.4-15.7	
		(Rated)		BTU/h	76,000	
				kW	22.3	
(208-230)	Power input	kW	5.12	5.36		
	Current input	A	15.7-14.2	16.5-14.9		
Temp. range of heating *3		Indoor	D.B.	59~81°F (15~27°C)		
		Outdoor	W.B.	-13~60°F (-25~15.5°C)		
Indoor unit connectable		Total capacity		50~150% of outdoor unit capacity		
		Model/Quantity		P04~P96/1~18		
Sound power level (measured in anechoic room) *4		dB <A>	75.5/77.0			
Refrigerant piping diameter		High pressure	in. (mm)	5/8 (15.88) Brazed		
		Low pressure	in. (mm)	3/4 (19.05) Brazed		
Minimum Circuit Ampacity (*)		A	30-27			
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		
*5 External static press.		0 in.WG (0 Pa)				
Compressor		Type x Quantity		Inverter scroll hermetic compressor x 1		
		Starting method		Inverter		
		Motor output	kW	4		
		Case heater	kW	0.035		
		Lubricant		MEL32		
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>			
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-heat protection, Over-current protection		
		Fan motor		-		
Refrigerant		Type x original charge		R410A x 11 lbs + 7 oz (5.2 kg)		
		Control		Indoor LEV and BC controller		
Net weight		lbs (kg)	483 (219)			
Heat exchanger			Salt-resistant cross fin & copper tube			
HIC circuit (HIC: Heat Inter-Changer)			-			
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Optional parts	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1					
	CMY-R201,202,301,306S-G,CMY-R302,303,304,305S-G1					
	BC controller: CMB-P104,106,108,1012,1016NU-J2					
	Main BC controller: CMB-P108,1012,1016NU-JA2,CMB-P1016NU-KA2					
	Sub BC controller: CMB-P104,108NU-KB2					

Specifications are subject to change without notice.

* All electrical work shall comply with National (CEC) and local codes and regulations.

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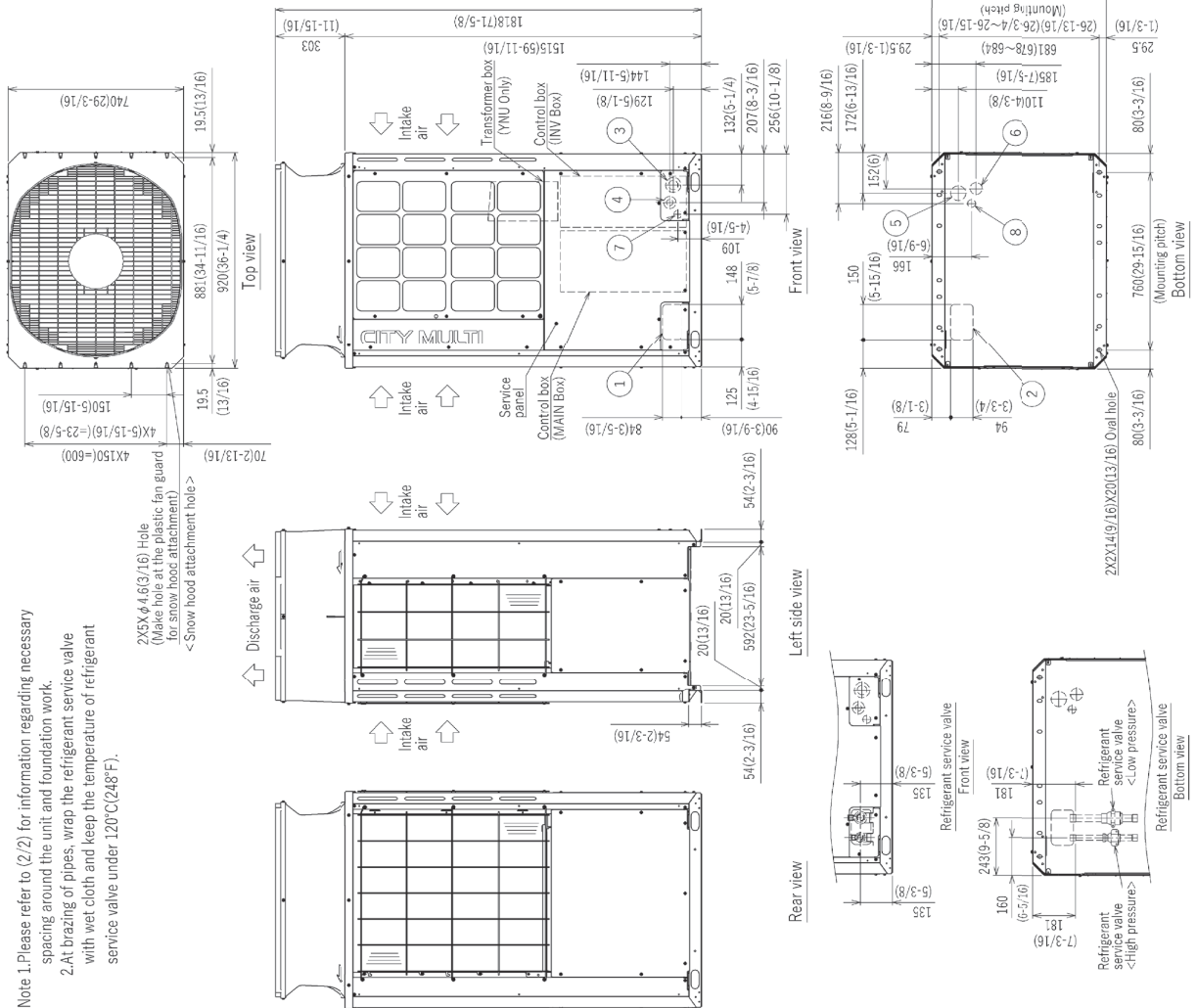
Module: PURY-P72TNU-A1(-BS) - DIMENSIONS

Unit: mm (in.)

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe *1		Service valve	
(EP72)	High pressure	Low pressure	High pressure	Low pressure
	φ15.88(5/8) Braze	φ19.05(3/4) Braze	φ22.2(7/8)	φ28.58(1-1/8)

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



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 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

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).

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