

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-EP96TNU-A

Seacoast (BS) Model PURY-EP96TNU-A-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-PH02EHYU-E1) (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 DB, 67°F WB, (26.7°C DB, 19.4°C WB), Outdoor: 95°F DB, (35°C DB)

2. Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F DB, (21.1°C DB), Outdoor: 47°F DB, 43°F WB, (8.3°C DB, 6.1°C WB)

3. Cooling mode/Heating mode
Indoor: 70°F DB, (21.1°C DB), Outdoor: 47°F DB, 43°F WB, (8.3°C DB, 6.1°C WB)

4. The sound pressure level measured by the conventional method in JIS for reference purpose.

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).

Specifications are subject to change without notice.

Outdoor Model				PURY-EP96TNU-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	96,000				
			kW	28.1				
(208-230)			Power input	6.11				
			Current input	18.8-17.0				
(Rated)			BTU/h	92,000				
			kW	27				
(208-230)			Power input	7.36	7.40			
			Current input	A	22.6-20.5	22.8-20.6		
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	108,000				
			kW	31.7				
(208-230)			Power input	7.4				
			Current input	A 22.8-20.6				
(Rated)			BTU/h	103,000				
			kW	30.2				
(208-230)			Power input	6.72	6.90			
			Current input	A	20.7-18.7	21.2-19.2		
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		50~150% of outdoor unit capacity			
			Model/Quantity		P04~P96/1~24			
Sound power level (measured in anechoic room) *3			dB <A>	77.5/79.0				
Refrigerant piping diameter			High pressure	in. (mm)	3/4 (19.05) Brazed			
			Low pressure	in. (mm)	7/8 (22.2) Brazed			
Minimum Circuit Ampacity (*)			A		44-40			
Maximum Overcurrent Protection (*)			A		70-60			
FAN			Type x Quantity		Propeller fan x 2			
			Airflow rate		cfm	7,400		
					m³/min	210		
			Control, Driving mechanism		Inverter-control, Brushless DC motor			
			Motor output		kW	0.46+0.46		
*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	5.5		
			Case heater		kW	-		
			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 48-7/8 x 29-3/16			
				mm	1,818 x 1,240 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 17 lbs + 10 oz (8.0 kg)			
			Control		Indoor LEV and BC controller			
Net weight			lbs (kg)		613 (278)			
Heat exchanger				Salt-resistant cross fin & aluminium 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, 203, 301, 306S-G, CMY-R302, 303, 304, 305S-G1 BC controller: CMB-P104, 106, 108, 1012, 1016NU-J1 Main BC controller: CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1						

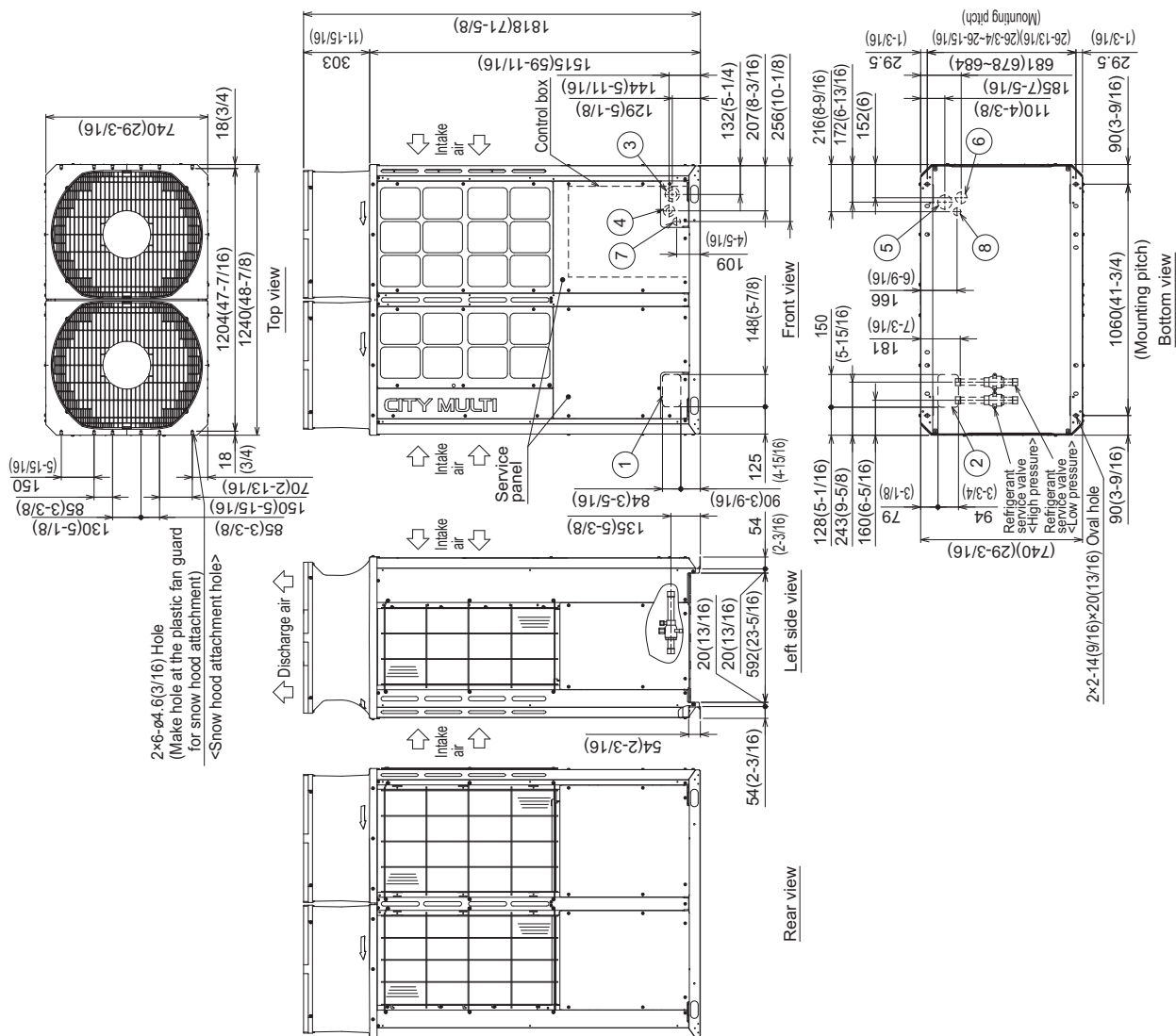
* All electrical work shall comply with National (CEC) and local codes and regulations.

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Module: PURY-EP96TNU-A(-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			Service valve	
	High pressure	Low pressure	Brazed *	High pressure	Low pressure
EP96	ø19.05(3/4)	ø22.2(7/8)	Brazed *	ø25.5(1-1/8)	ø23.5(1-1/8)
EP120	ø19.05(3/4)	ø22.2(7/8)	Brazed *	ø25.5(1-1/8)	ø23.5(1-1/8)
EP144	ø22.2(7/8)	ø22.2(7/8)	Brazed *	ø25.5(1-1/8)	ø23.5(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) × 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	For wires	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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