

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-EP144TNU-A

Seacoast (BS) Model PURY-EP144TNU-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

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-EP144TNU-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	144,000			
				kW	42.2			
		Power input		kW	11.03			
		(208-230)	Current input		A	34.0-30.7		
		(Rated)			BTU/h	138,000		
					kW	40.4		
			Power input		kW	13.30	13.10	
		(208-230)	Current input		A	41.0-37.0	40.4-36.5	
		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	160,000			
				kW	46.9			
		Power input		kW	12.34			
		(208-230)	Current input		A	38.0-34.4		
		(Rated)			BTU/h	152,000		
					kW	44.5		
			Power input		kW	11.08	11.60	
		(208-230)	Current input		A	34.1-30.9	35.7-32.3	
		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~P96/1~36				
Sound power level (measured in anechoic room) *3				dB <A>		85.5/85.5		
Refrigerant		High pressure	in. (mm)	7/8 (22.2) Brazed				
piping diameter		Low pressure	in. (mm)	1-1/8 (28.58) Brazed				
Minimum Circuit Ampacity (*)				A		60-60		
Maximum Overcurrent Protection (*)				A		100-100		
FAN		Type x Quantity		Propeller fan x 2				
		Airflow rate	cfm		9,550			
			m³/min		270			
		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	9.8				
		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 23 lbs + 12 oz (10.8 kg)				
		Control		Indoor LEV and BC controller				
Net weight			lbs (kg)	680 (308)				
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-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 Main BC controller: CMB-P108,1012,1016NU-JA1,CMB-P1016NU-KA1 Sub BC controller: CMB-P104,108NU-KB1						

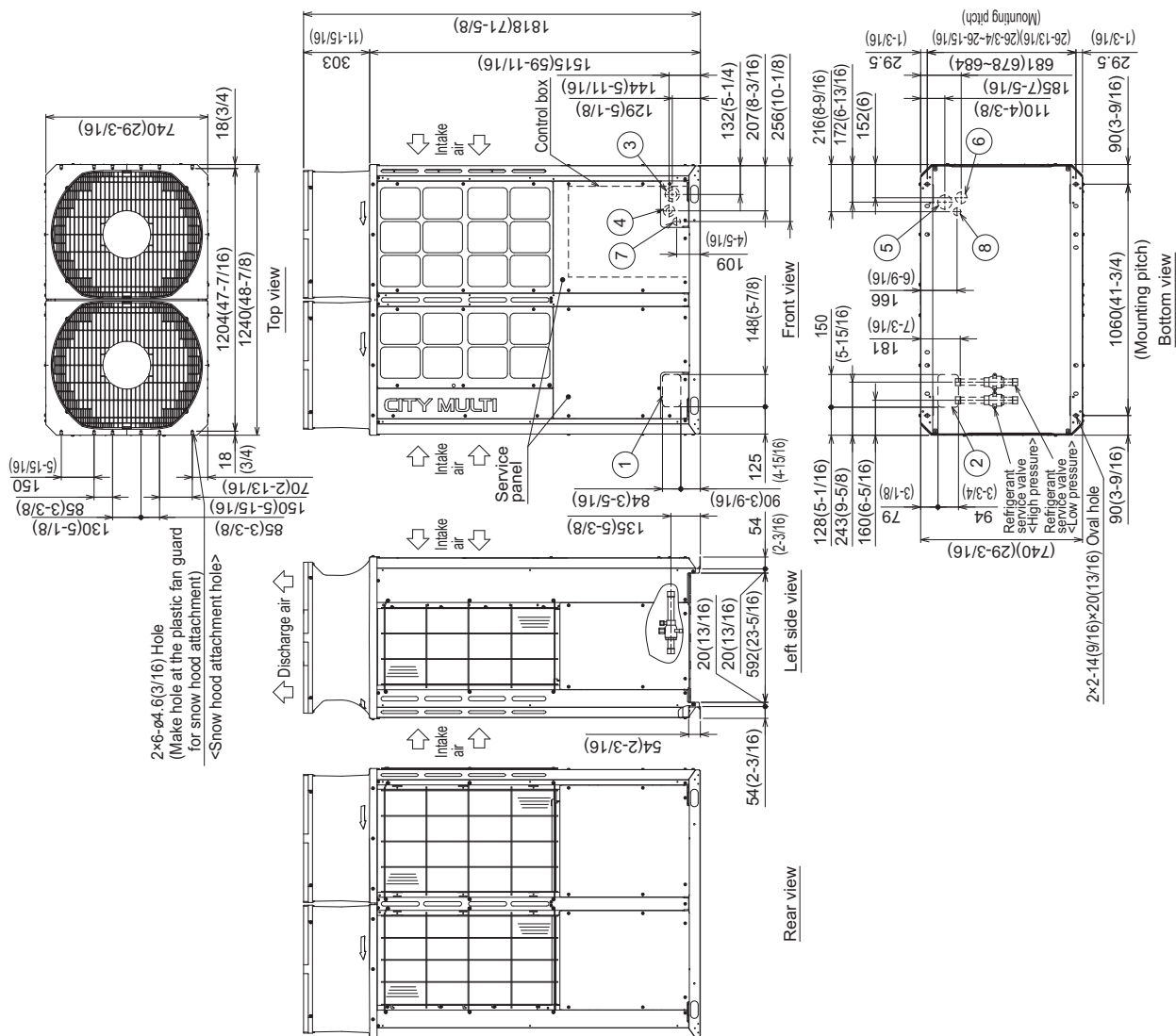
* All electrical work shall comply with National (CEC) and local codes and regulations.

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Module: PURY-EP144TNU-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 *1	High pressure	Low pressure
EP96	ø19.05(3/4)	ø22.2(7/8)	Brazed *1	ø25.5(1-1/8)	ø23.5(1-1/8)
EP120	ø19.05(3/4)	ø22.2(7/8)	Brazed *1	ø25.5(1-1/8)	ø23.5(1-1/8)
EP144	ø19.05(3/4)	ø22.2(7/8)	Brazed *1	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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