

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-EP144TNU-A1

Seacoast (BS) Model PURY-EP144TNU-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-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/26.7°C DB, 67°F/19.4°C WB, Outdoor: 95°F/35°C DB, (35°C DB,)
- 2.Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F/21.1°C DB, Outdoor: 47°F/8.3°C 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-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	144,000				
			kW	42.2				
(208-230)			Power input	11.03				
			Current input	34.0-30.7				
(Rated)			BTU/h	138,000				
			kW	40.4				
(208-230)			Power input	13.30	13.10			
			Current input	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				
(208-230)			Power input	12.34				
			Current input	38.0-34.4				
(Rated)			BTU/h	152,000				
			kW	44.5				
(208-230)			Power input	11.08	11.60			
			Current input	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			Total capacity		50~150% of outdoor unit capacity			
connectable			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) Braze			
piping diameter			Low pressure		in. (mm) 1-1/8 (28.58) Braze			
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		0.045	
			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-JA2,CMB-P1016NU-KA2 Sub BC controller: CMB-P104,108NU-KB2						

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

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Module: PURY-EP144TNU-A1(-BS) - DIMENSIONS

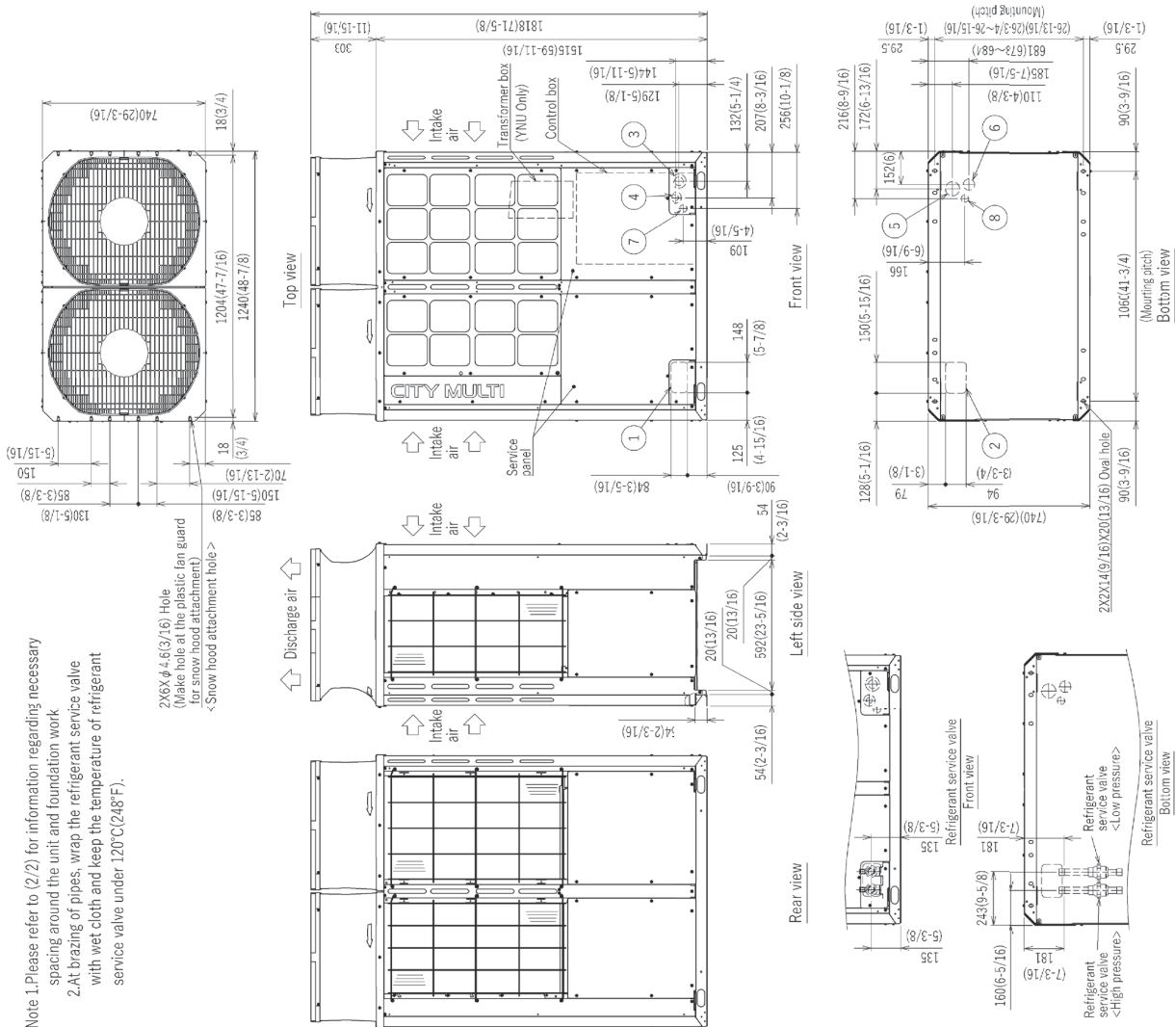
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter		
	Refrigerant pipe *1	High pressure	Service valve
(E)P96	High pressure	Low pressure	High pressure
(E)P120	High pressure	Low pressure	High pressure
(E)P144	High pressure	Low pressure	High pressure

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

No.	Usage	Specifications
①	Front through hole	148(5-7/8) X 84(3-1/4) 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 φ22.7(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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