

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P144TNU-A1

Seacoast (BS) Model PURY-P144TNU-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-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.

Specifications are subject to change without notice.

Outdoor Model				PURY-P144TNU-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				
			Power input		kW				
			(208-230) Current input		A				
			(Rated)		BTU/h				
					kW				
			(208-230) Power input		kW		13.36	13.36	
			(208-230) Current input		A		41.2-37.2	41.2-37.2	
			Temp. range of cooling			Indoor		W.B.	
						Outdoor		D.B.	
Heating capacity *2 (Nominal)			BTU/h		160,000				
			kW		46.9				
			(208-230) Power input		kW				
			(208-230) Current input		A				
			(Rated)		BTU/h				
					kW				
			(208-230) Power input		kW		11.14	11.82	
			(208-230) Current input		A		34.3-31.0	36.4-32.9	
			Temp. range of heating *3			Indoor		D.B.	
						Outdoor		W.B.	
Indoor unit connectable			Total capacity		50~150% of outdoor unit capacity				
			Model/Quantity		P04~P96/1~36				
Sound power level (measured in anechoic room) *4				dB <A>		85.5/85.5			
Refrigerant piping diameter			High pressure		in. (mm)				
			Low pressure		in. (mm)				
Minimum Circuit Ampacity (*)				A		60-55			
Maximum Overcurrent Protection (*)				A		100-90			
FAN			Type x Quantity		Propeller fan x 2				
			Airflow rate		cfm				
					m3/min				
			Control, Driving mechanism		Inverter-control, Brushless DC motor				
			Motor output		kW				
			*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				
			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-heat protection, 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)		646 (293)				
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-R201,202,203,204,306S-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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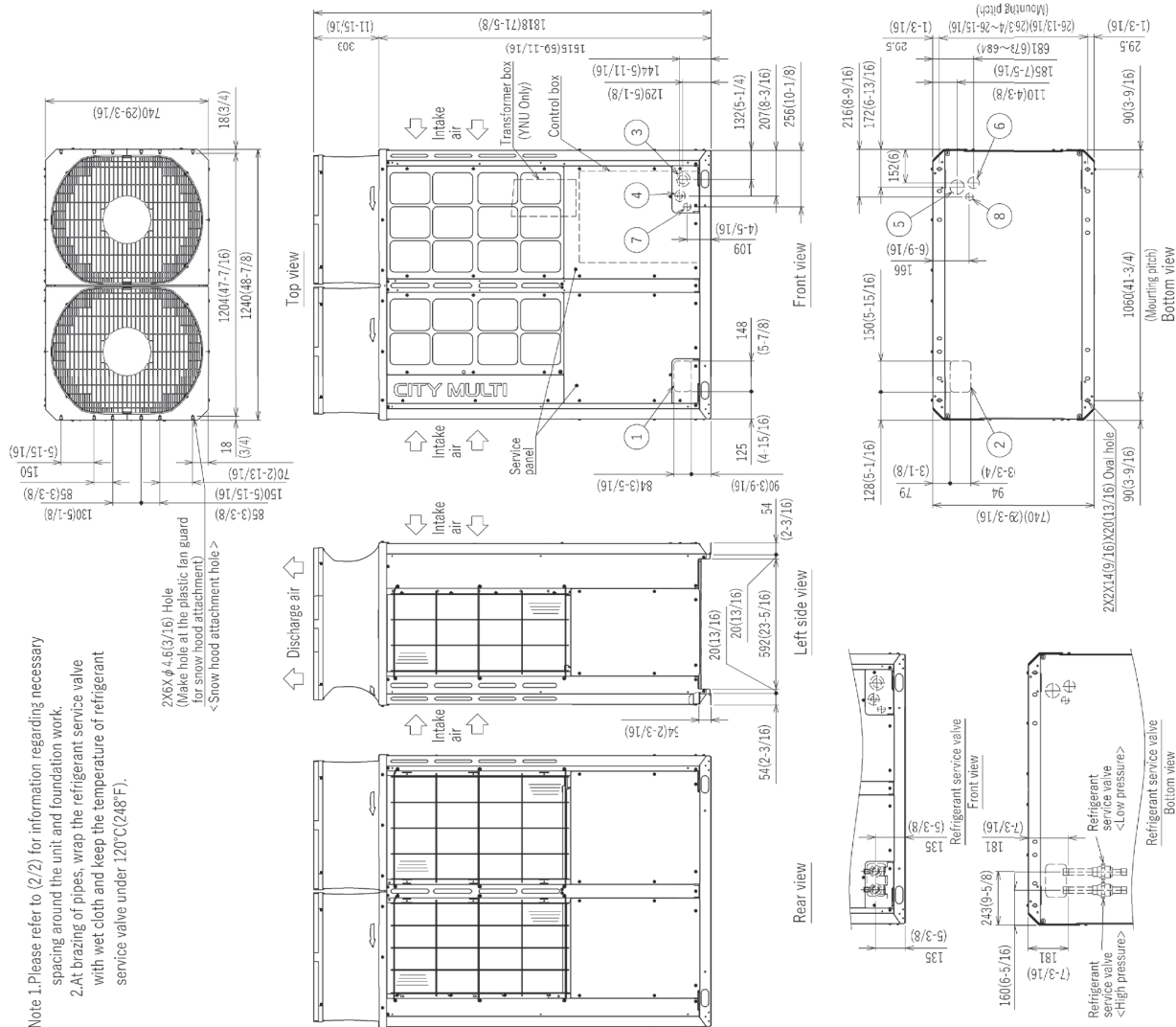
Module: PURY-P144TNU-A1(-BS) - DIMENSIONS

Unit: mm (in.)

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe *1		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
(E)P96	φ19.05(3/4)	φ22.2(7/8)	φ28.58(1-1/8)	φ28.58(1-1/8)
(E)P120	φ19.05(3/4)	Brazed	φ28.58(1-1/8)	φ28.58(1-1/8)
(E)P144	φ22.2(7/8)	Brazed	φ28.58(1-1/8)	φ28.58(1-1/8)

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



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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