

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P144TNU-A

Seacoast (BS) Model PURY-P144TNU-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-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-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			11.74		
			(208-230)	Current input		A			36.2-32.7	
			(Rated)			BTU/h			138,000	
						kW			40.4	
			(208-230)	Power input		kW		13.36	13.36	
				Current input		A		41.2-37.2	41.2-37.2	
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			12.49		
			(208-230)	Current input		A			38.5-34.8	
			(Rated)			BTU/h			152,000	
						kW			44.5	
			(208-230)	Power input		kW		11.14	11.82	
				Current input		A		34.3-31.0	36.4-32.9	
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~P96/1~36					
Sound power level (measured in anechoic room) *4				dB <A>	85.5/85.5					
Refrigerant piping diameter			High pressure	in. (mm)	7/8 (22.2) Brazed					
			Low pressure	in. (mm)	1-1/8 (28.58) Brazed					
Minimum Circuit Ampacity (*)				A	60-55					
Maximum Overcurrent Protection (*)				A	100-90					
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					
			*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	9.9					
			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-JA1,CMB-P1016NU-KA1								
		Sub BC controller: CMB-P104,108NU-KB1								

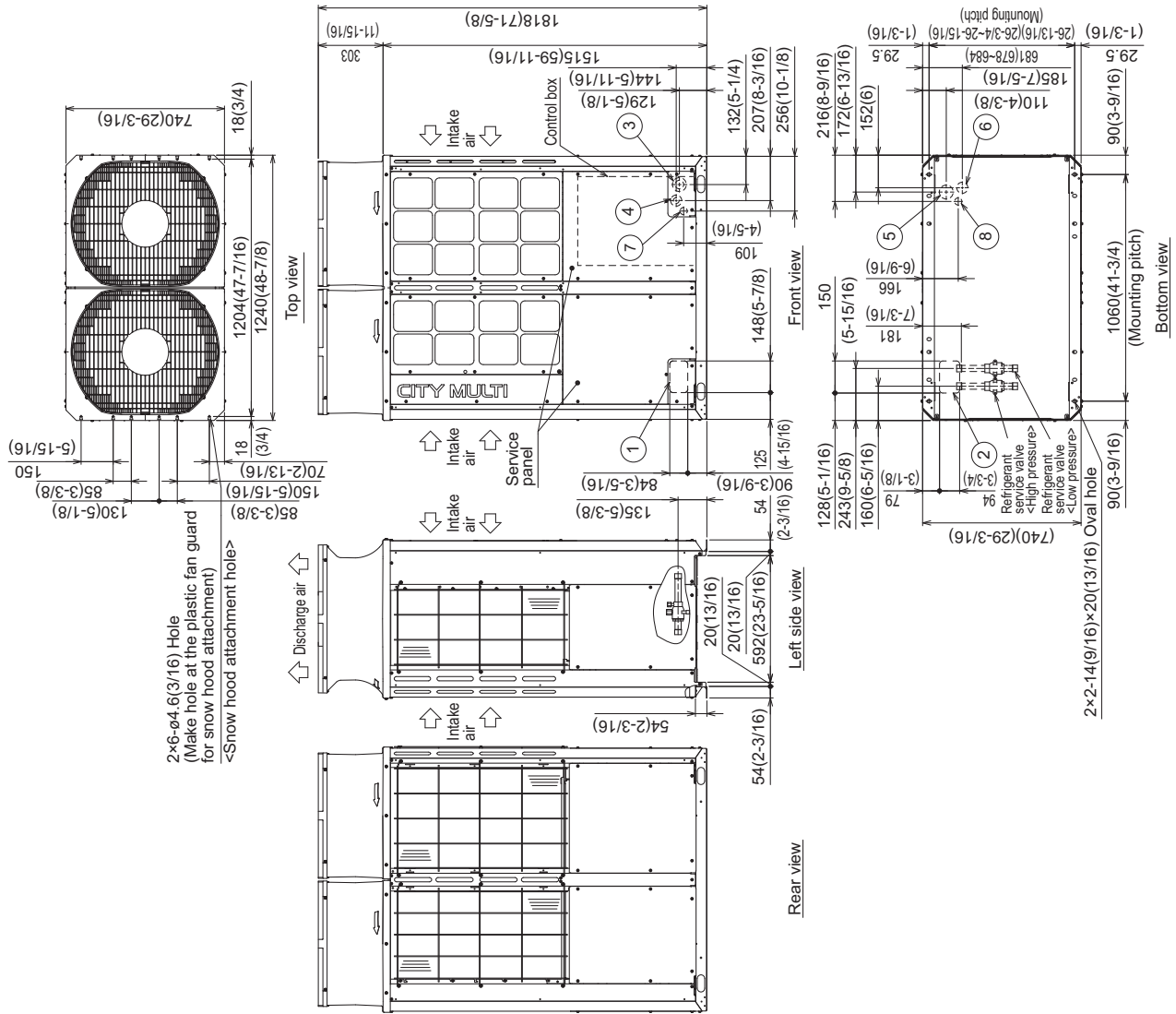
* All electrical work shall comply with National (CEC) and local codes and regulations.

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Module: PURY-P144TNU-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		Diameter		Service valve	
	High pressure	Low pressure	High pressure	Low pressure	High pressure	Low pressure
P96	ø19.05(3/4) Brazed *1	ø22.7(7/8) Brazed *1	ø28.3(1-1/8)	ø28.3(1-1/8)	ø28.3(1-1/8)	ø28.3(1-1/8)
P120	ø19.05(3/4) Brazed *1	ø22.7(7/8) Brazed *1	ø28.3(1-1/8)	ø28.3(1-1/8)	ø28.3(1-1/8)	ø28.3(1-1/8)
P144	ø22.7(7/8) Brazed *1	ø22.7(7/8) Brazed *1	ø28.3(1-1/8)	ø28.3(1-1/8)	ø28.3(1-1/8)	ø28.3(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 150(5-15/16) x 94(3-3/4) Knockout hole
②		Front through hole ø62.7(2-1/2) or ø34.5(1-3/8) Knockout hole
③		Front through hole ø43.7(1-3/4) or ø22.7(7/8) Knockout hole
④		Front through hole ø65(2-9/16) Knockout hole
⑤		Bottom through hole ø52(2-1/16) Knockout hole
⑥		Front through hole ø34(1-3/8) Knockout hole
⑦	For transmission cables	Bottom through hole ø34(1-3/8) Knockout hole
⑧		Bottom through hole ø34(1-3/8) Knockout hole

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