

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P168TNU-A1

Seacoast (BS) Model PURY-P168TNU-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-PH03EHYU-E(1)) (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. 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-P168TNU-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		168,000			
			kW		49.2			
		(208-230)	Power input		kW		14.99	
			Current input		A		46.2-41.8	
		(Rated)			BTU/h		160,000	
					kW		46.9	
		(208-230)	Power input		kW		15.56	15.66
			Current input		A		47.9-43.3	48.2-43.6
		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		188,000			
			kW		55.1			
		(208-230)	Power input		kW		15.16	
			Current input		A		46.7-42.2	
		(Rated)			BTU/h		178,000	
					kW		52.5	
		(208-230)	Power input		kW		13.23	14.43
			Current input		A		40.8-36.9	44.5-40.2
		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~P96/1~42				
Sound power level (measured in anechoic room) *4			dB <A>		81.5/85.5			
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		66-64			
Maximum Overcurrent Protection (*)			A		110-100			
FAN		Type x Quantity		Propeller fan x 2				
		Airflow rate		cfm		14,850		
				m3/min		420		
		Control, Driving mechanism		Inverter-control, Brushless DC motor				
		Motor output		kW		0.92+0.92		
*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		12.2		
		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 68-15/16 x 29-3/16			
			mm		1,818 x 1,750 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)		739 (335)			
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.

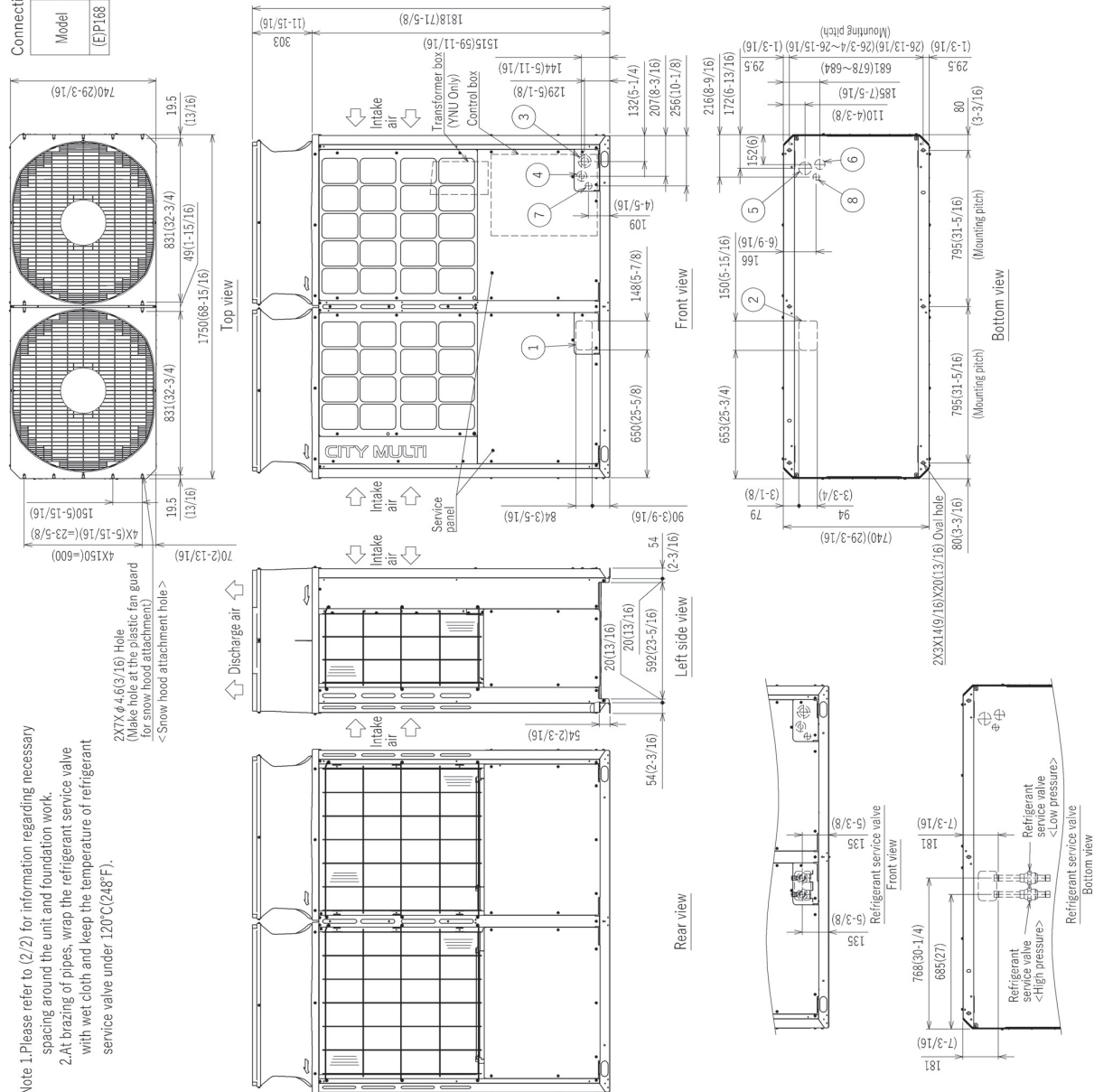
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Unit: mm (in.)

Model	Refrigerant pipe "1		Diameter	
	High pressure	Low pressure	High pressure	Low pressure
(EP)168	22.22(7/8)	Brazed	28.58(1-1/8)	28.58(1-1/8)
			28.58(1-1/8)	28.58(1-1/8)

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

No.	Usage	Specifications
①	Front through hole	150(5-7/8) x 84(3-5/16) Knockout hole
②	For pipes	Bottom through hole 150(5-15/16) x 94(3-3/4) Knockout hole
③	Front through hole	62(2-1/2) or ϕ 34(1-3/8) Knockout hole
④	Front through hole	62(2-1/2) or ϕ 22(7/8) Knockout hole
⑤	For wires	Bottom through hole 65(2-9/16) Knockout hole
⑥	Front through hole	62(2-1/2) Knockout hole
⑦	For transmission	Bottom through hole 62(2-1/2) Knockout hole
⑧	Front through hole	42(1-3/8) Knockout hole



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