

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-EP168TNU-A1

Seacoast (BS) Model PURY-EP168TNU-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/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, (21.1°C DB,) Outdoor: 47°F/7.8°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 level 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-EP168TNU-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	13.99		
	Current input	A	43.1-39.0		
(Rated)	BTU/h	160,000			
	kW	46.9			
(208-230)	Power input	kW	15.40	15.30	
	Current input	A	47.4-42.9	47.1-42.6	
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	15.17		
	Current input	A	46.7-42.3		
(Rated)	BTU/h	178,000			
	kW	52.5			
(208-230)	Power input	kW	13.23	14.42	
	Current input	A	40.8-36.9	44.4-40.2	
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~P96/1~42		
Sound power level (measured in anechoic room) *3		dB <A>	81.5/85.5		
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	70-70		
Maximum Overcurrent Protection (*)		A	110-110		
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	
		*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	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-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)	777 (352)		
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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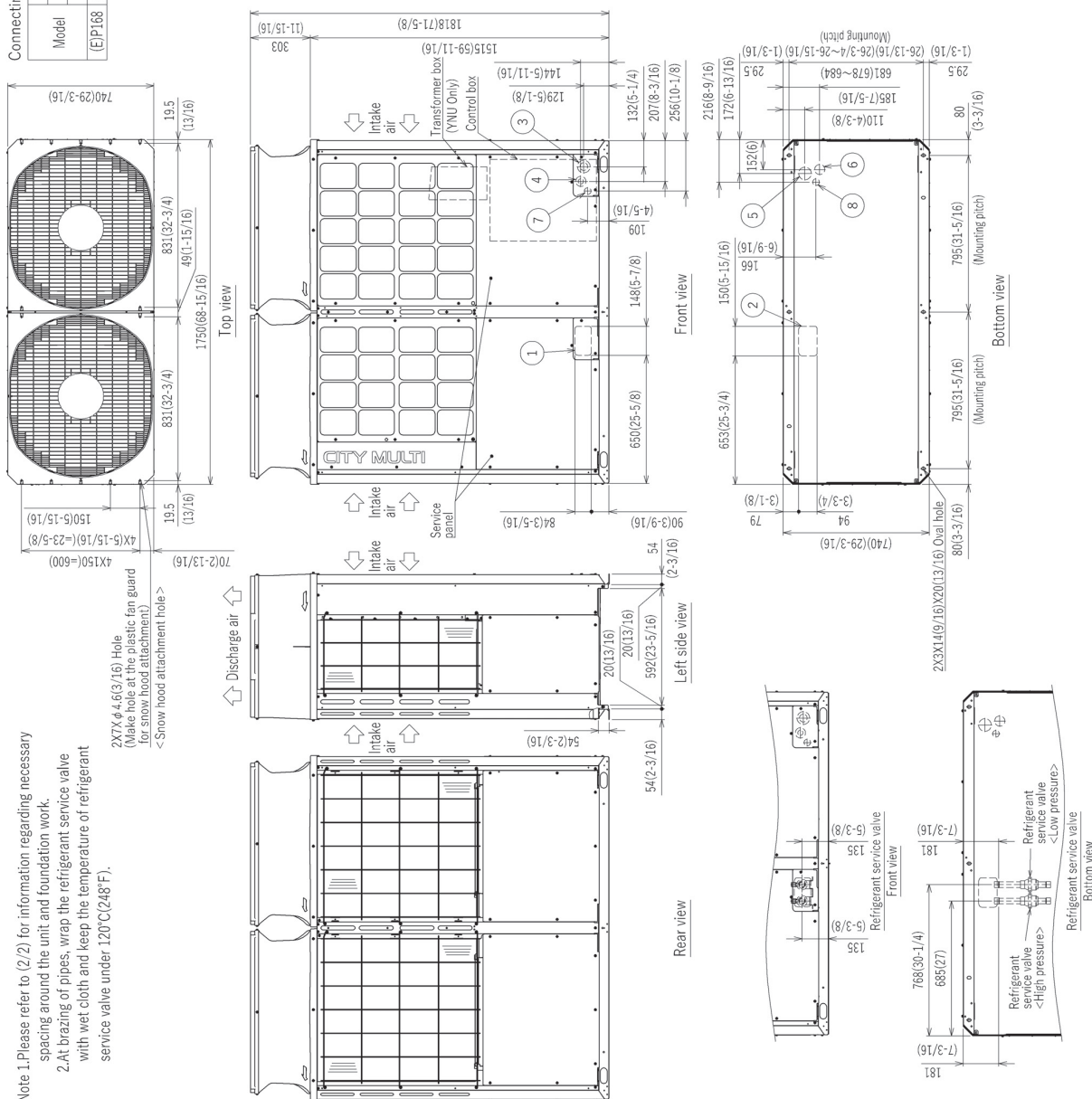
Module: PURY-EP168TNU-A1(-BS) - DIMENSIONS

Unit: mm (in.)

Connecting pipe specifications

Model	Refrigerant pipe ^{*1}		Diameter
	High pressure	Low pressure	
(E)P168	φ22.7(7/8)	φ28.58(1-1/8) Braze	Service valve High pressure Low pressure φ28.58(1-1/8) φ28.58(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
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	For wires	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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