

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-EP168TNU-A

Seacoast (BS) Model PURY-EP168TNU-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-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, Outdoor: 47°F/7.8°C WB, (8.3°C DB, 6.1°C WB,)

3. Cooling mode/Heating mode
Indoor: 70°F/21.1°C DB, Outdoor: 47°F/7.8°C WB, (8.3°C DB, 6.1°C WB,)

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-EP168TNU-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	168,000	
	kW	49.2	
	Power input	kW	13.99
	(208-230) Current input	A	43.1-39.0
	(Rated)	BTU/h	160,000
	kW	46.9	
(208-230)	Power input	kW	15.40
	Current input	A	47.4-42.9
			47.1-42.6
Temp. range of cooling		Indoor	59~75°F (15~24°C)
		Outdoor	23~126°F (-5~52°C)
Heating capacity *2 (Nominal)	BTU/h	188,000	
	kW	55.1	
	Power input	kW	15.17
	(208-230) Current input	A	46.7-42.3
	(Rated)	BTU/h	178,000
	kW	52.5	
(208-230)	Power input	kW	13.23
	Current input	A	40.8-36.9
			44.4-40.2
Temp. range of heating		Indoor	59~81°F (15~27°C)
		Outdoor	-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 piping diameter	High pressure	in. (mm)	7/8 (22.2) Braze
	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	-
	Lubricant	MEL32	
		Pre-coated galvanized steel sheet (+powder coating for -BS type)	
External finish		<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-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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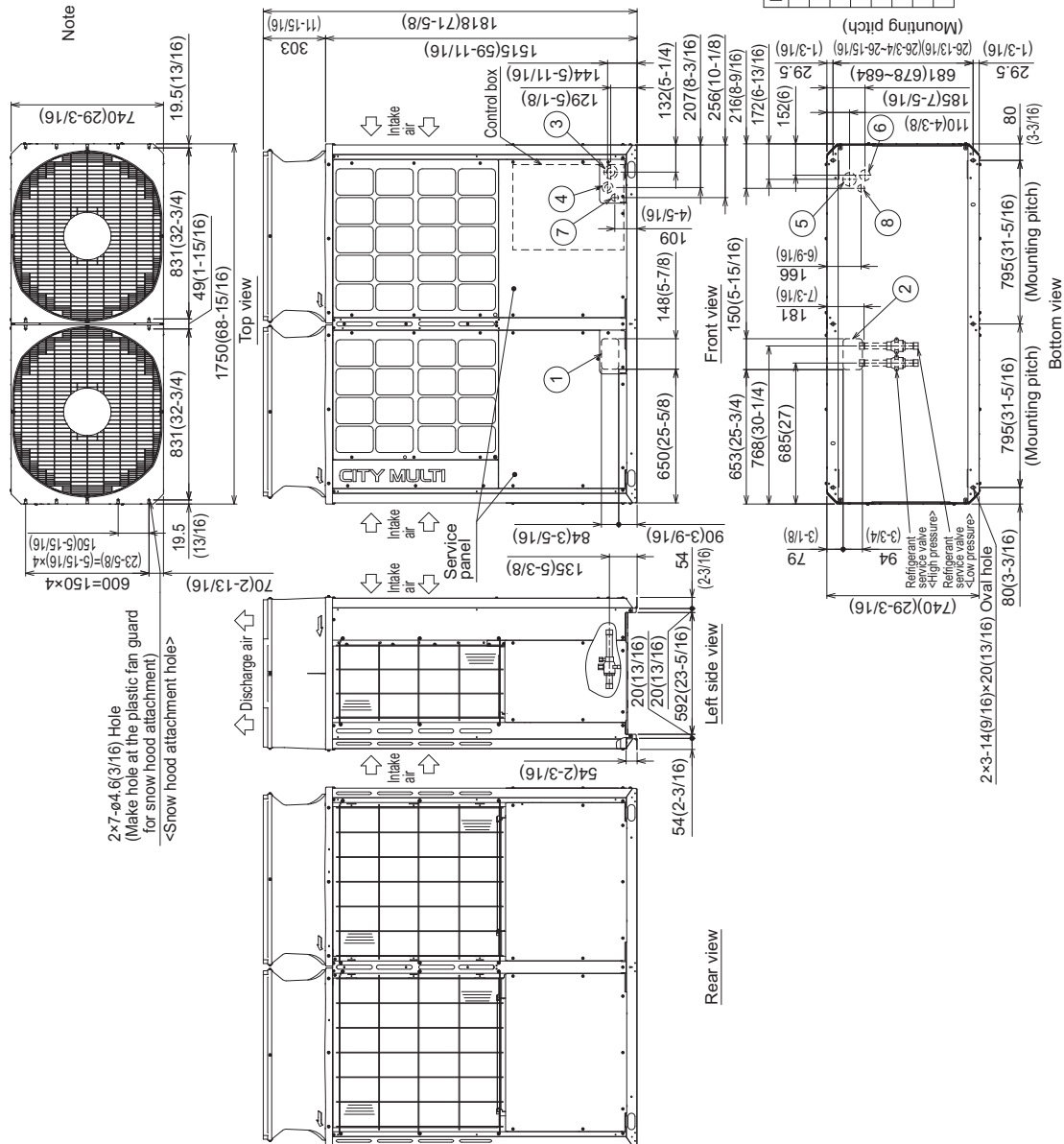
Unit: mm (in.)

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).

Model	Diameter			
	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
FP168	ø22.2(7/8)	ø25.5(1-1/8)	ø25.5(1-1/8)	ø25.5(1-1/8)

*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) × 84(3.5/16) Knockout hole
②	For pipes	150(5-15/16) × 94(3-3/4) Knockout hole
③	Front through hole	162(7-1/2) or ø34.5(1-3/8) Knockout hole
④	Front through hole	ø43.7(1-3/4) or ø22.2(7/8) Knockout hole
⑤	Bottom through hole	ø65(2-9/16) Knockout hole
⑥	Bottom through hole	ø52(2-1/16) Knockout hole
⑦	Front through hole	ø41(1-3/8) Knockout hole
⑧	For transmission cables	ø34(1-3/8) Knockout hole

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