

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P168TNU-A

Seacoast (BS) Model PURY-P168TNU-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 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-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				
			14.99					
(208-230)			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				
			Power input	kW				
			15.16					
(208-230)			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)				
			Low pressure	in. (mm)				
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			
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-Change)				-				
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.

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

Module: PURY-P168TNU-A(-BS) - DIMENSIONS

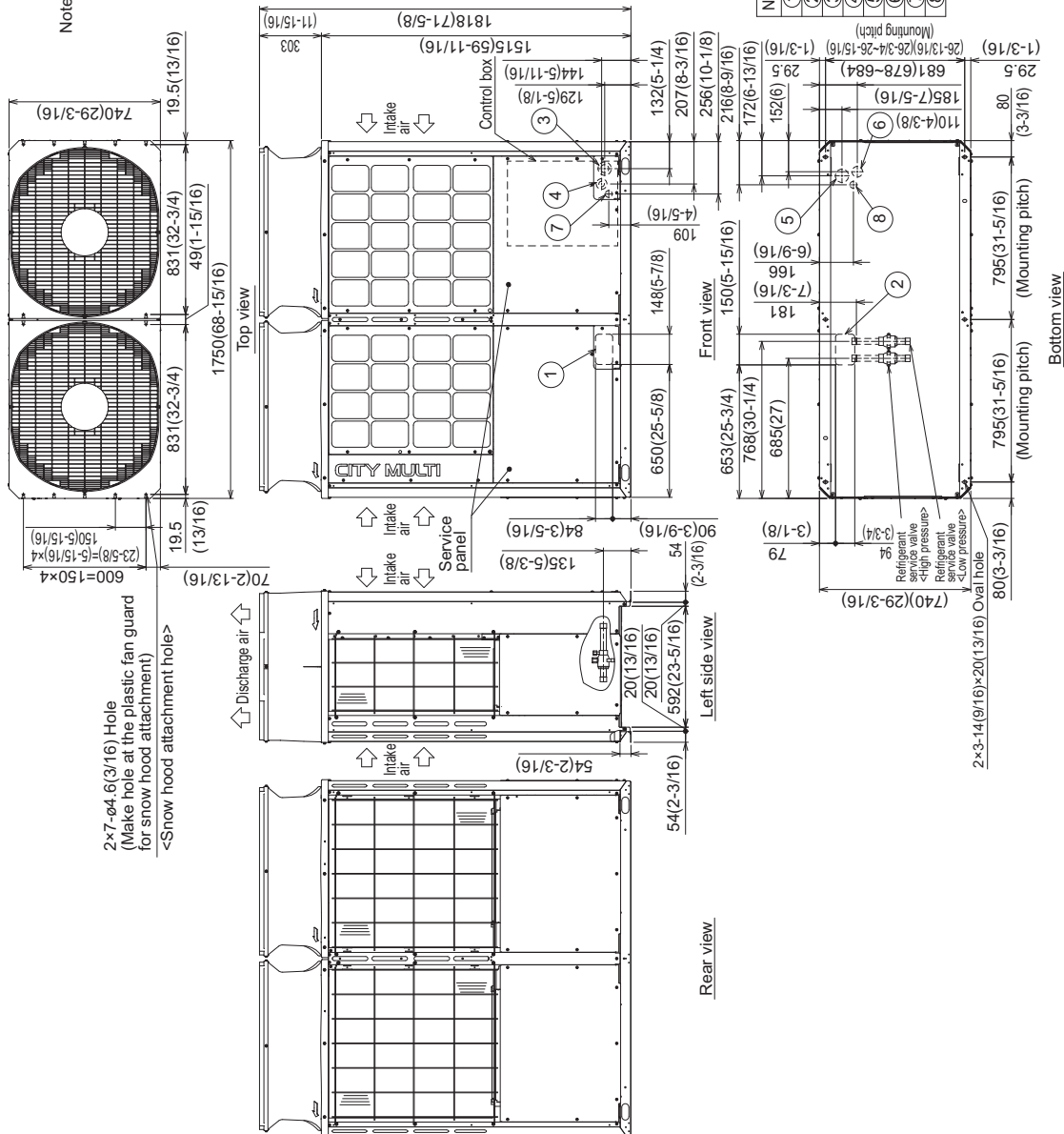
Unit: mm (in.)

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	
		High pressure	Low pressure
P168	ø22.2(7/8) Brazed*1	ø23.5(1-1/8) Brazed	ø23.5(1-1/8)

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



NO.	Usage	Specifications	
		For pipes	For wires
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	ø62.7(2-1/2) 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(2-1/8) Knockout hole	
⑦	Front through hole	ø34(1-3/8) Knockout hole	
⑧	Bottom through hole	ø34(1-3/8) Knockout hole	

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.