

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P120TNU-A1

Seacoast (BS) Model PURY-P120TNU-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-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 W.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-P120TNU-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		120,000			
			kW		35.2			
(208-230)			Power input		kW			
			Current input		A			
(Rated)			BTU/h		27.2-24.6			
			kW		115,000			
(208-230)			Power input		kW		10.82	
			Current input		A		33.3-30.1	
(208-230)							10.91	
							33.6-30.4	
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		135,000			
			kW		39.6			
(208-230)			Power input		kW			
			Current input		A			
(Rated)			BTU/h		10.07			
			kW		31.0-28.0			
(208-230)			Power input		kW		129,000	
			Current input		A		129,000	
(208-230)							37.8	
							9.01	
(208-230)			Power input		kW		9.50	
			Current input		A		27.7-25.1	
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-P96/1-30			
Sound power level (measured in anechoic room) *4				dB <A>		80.0/80.5		
Refrigerant piping diameter			High pressure		in. (mm)			
			Low pressure		in. (mm)			
Minimum Circuit Ampacity (*)			A		50-46			
Maximum Overcurrent Protection (*)			A		80-70			
FAN			Type x Quantity		Propeller fan x 2			
			Airflow rate		cfm		8,300	
					m3/min		235	
			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		7.8	
			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 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 17 lbs + 10 oz (8.0 kg)			
			Control		Indoor LEV and BC controller			
Net weight			lbs (kg)		598 (271)			
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-R201,202,203,301,306S-G,CMY-R302,303,304,305S-G1						
		BC controller: CMB-P104,106,108,1012,1016NU-J2						
		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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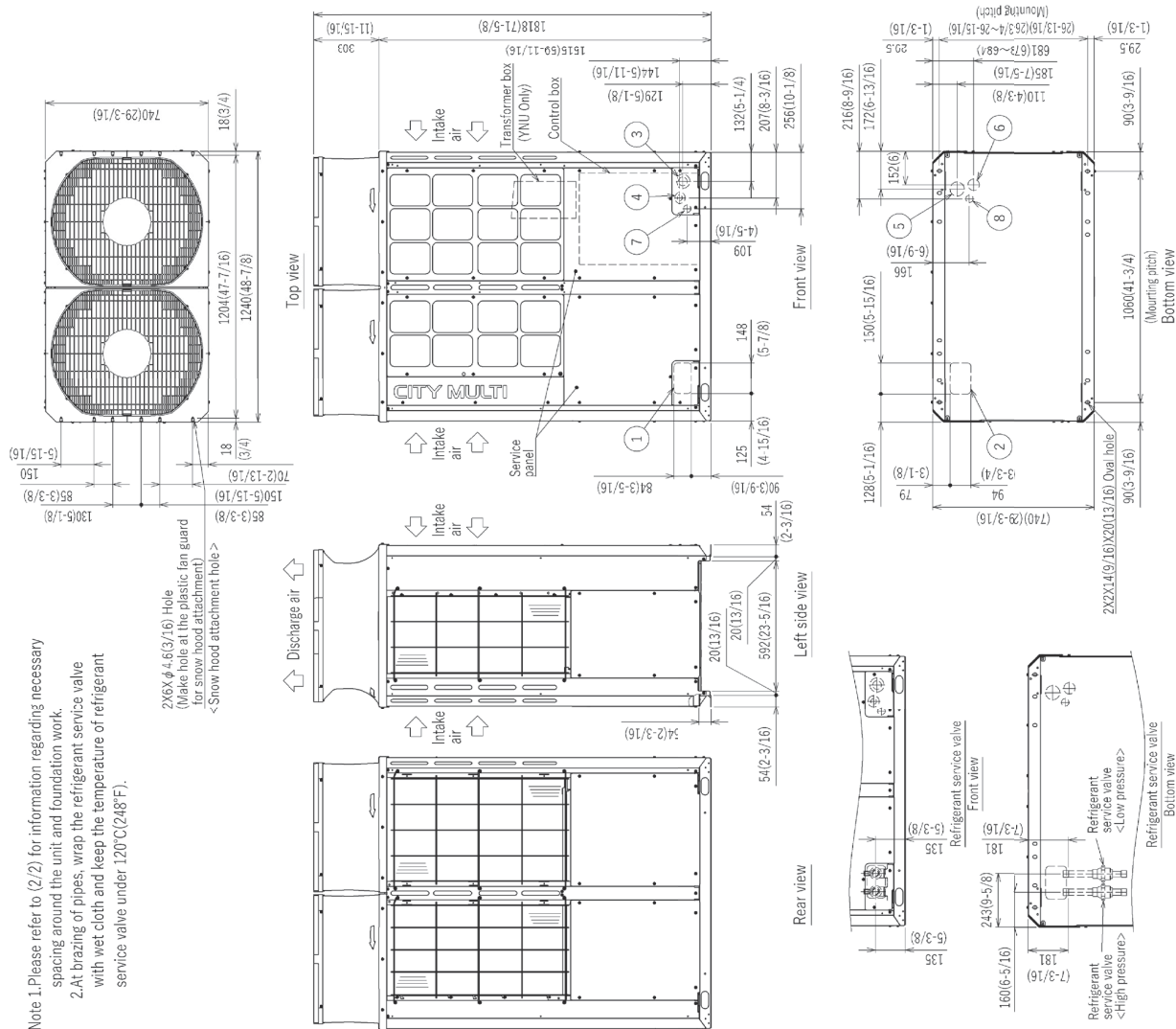
Unit: mm (in.)

Connecting pipe specifications

Model	Refrigerant pipe "1		Diameter	
	High pressure	Low pressure	High pressure	Low pressure
(E)P96	φ 19.05(3/4)	Brazed	φ 22.2(7/8)	Brazed
(E)P120	φ 19.05(3/4)	Brazed	φ 28.38(1-1/8)	Brazed
(E)P144	φ 22.2(7/8)	Brazed	φ 28.38(1-1/8)	Brazed
(E)P168	φ 22.2(7/8)	Brazed	φ 28.38(1-1/8)	Brazed

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

No.	Usage	Specifications
①	Front trough hole	150(5-7/8) X 84(3-1/4) Knockout hole
②	For pipes	Bottom trough hole 150(5-15/16) X 94(3-3/4) Knockout hole
③		Front trough hole $\phi 62(2-1/2)$ or $\phi 31(5-1/8)$ Knockout hole
④		Front trough hole $\phi 43(1-3/4)$ or $\phi 22(7/8)$ Knockout hole
⑤	For wires	Bottom trough hole $\phi 55(2-1/8)$ Knockout hole
⑥		Bottom trough hole $\phi 52(2-1/16)$ Knockout hole
⑦	For transmission	Front trough hole $\phi 34(1-3/8)$ Knockout hole
⑧		Bottom trough hole $\phi 34(1-3/8)$ Knockout hole



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