

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-EP120TNU-A

Seacoast (BS) Model PURY-EP120TNU-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-PH02EHYU-E1) (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
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-EP120TNU-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	120,000		
		kW	35.2		
		Power input	kW 8.43		
		(208-230) Current input	A 25.9-23.5		
		(Rated)	BTU/h	115,000	
			kW	33.7	
		(208-230)	Power input	kW 10.55	10.45
			Current input	A 32.5-29.4	32.2-29.1
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		
		Power input	kW 9.89		
		(208-230) Current input	A 30.5-27.5		
		(Rated)	BTU/h	129,000	
			kW	37.8	
		(208-230)	Power input	kW 8.95	9.22
			Current input	A 27.6-24.9	28.4-25.7
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~P96/1~30		
Sound power level (measured in anechoic room) *3		dB <A>	80.0/80.5		
Refrigerant piping diameter	High pressure	in. (mm)	3/4 (19.05) Brazed		
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed		
Minimum Circuit Ampacity (*)		A	56-55		
Maximum Overcurrent Protection (*)		A	90-90		
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	
		*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	7.6	
		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 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-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)	622 (282)		
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-R201,202,203,301,306S-G,CMY-R302,303,304,305S-G1 BC controller: CMB-P104,106,108,1012,1016NU-J1 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 (NEC) and local codes and regulations.

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Module: PURY-EP120TNU-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.

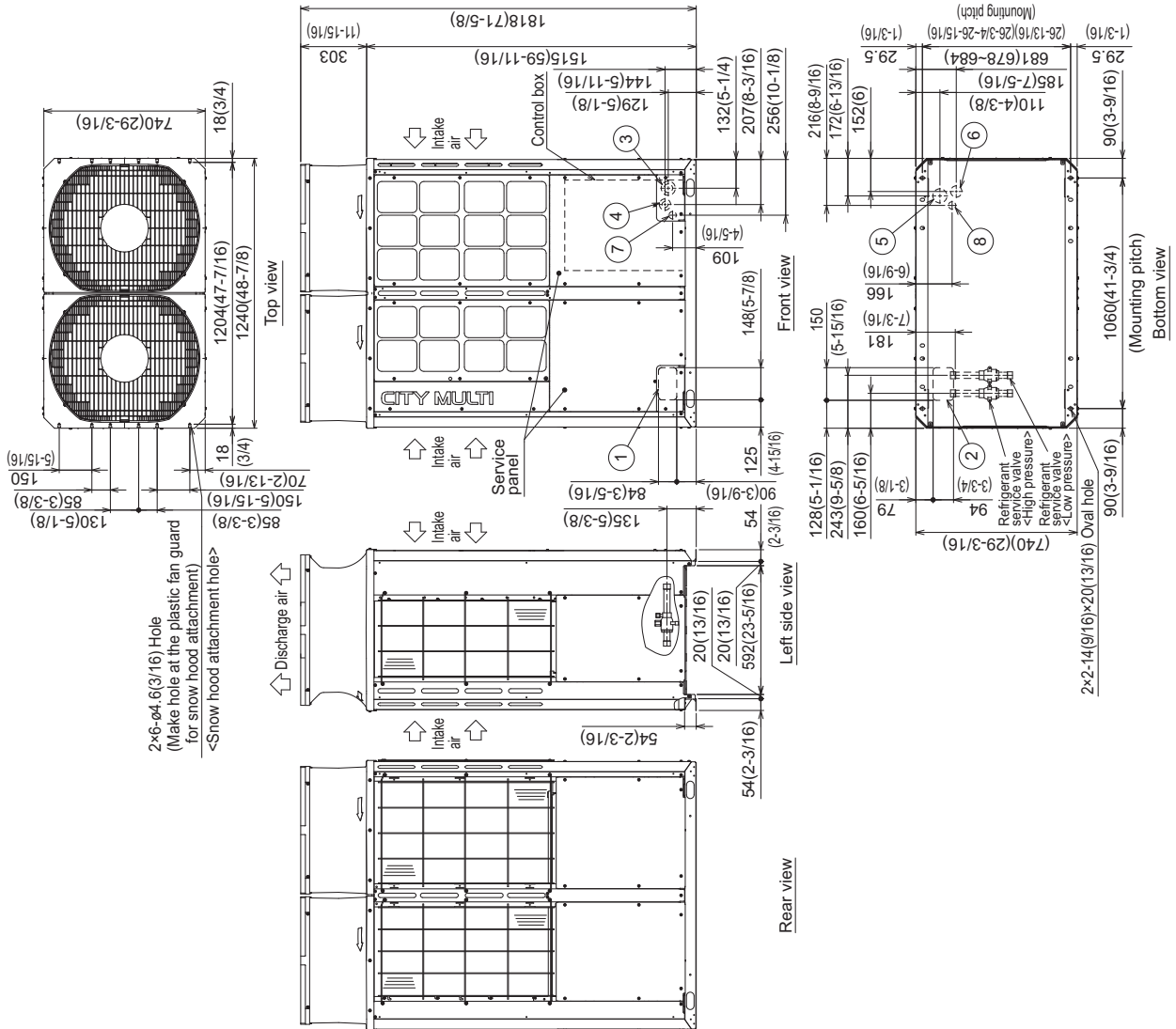
2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

Connecting pipe specifications

Model	Refrigerant pipe		Diameter	
	High pressure	Low pressure	High pressure	Low pressure
EP96		ø22.7(16) Braided *1		
EP120	ø19.0(3/4) Braided *1	ø23.59(1+1/8) Braided	ø23.59(1+1/8)	ø28.59(1+1/8)
EP144	ø22.7(16) Braided *1			

*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) × 84(3-5/16) Knockout hole
②		Bottom through hole 150(5-15/16) × 94(3-3/4) Knockout hole
③		Front through hole ø62(72-7/2) or ø34.5(1-3/8) Knockout hole
④	For wires	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	For transmission cables	Front through hole ø34(1-3/8) Knockout hole
⑧		Bottom through hole ø34(1-3/8) Knockout hole



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