CITY MULTI® Model: PURY-P96TNU-A1(-BS)

Job Name:

Schedule Reference: | Date:

UNIT OPTION

- ☐ Standard Model PURY-P96TNU-A1
- ☐ Seacoast (BS) Model PURY-P96TNU-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 seperate 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.

Outdoor Model				PURY-P96TNU-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	96,000	
			kW	28.1	
		Power input	kW	6.5	
	(208-230)	Current input	A	20.0-18.1	
	(Rated)		BTU/h	92,000	
			kW	27	
		Power input	kW	7.70	7.83
	(208-230)	Current input	A	23.7-21.4	24.1-21.8
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	108,000	
			kW	31.7	
		Power input	kW	7.58	
	(208-230)	Current input	A	23.3-21.1	
	(Rated)		BTU/h	103,000	
			kW	30.2	
		Power input	kW	6.93	7.01
	(208-230)	Current input	A	21.3-19.3	21.6-19.5
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~P96/1~24	
Sound power level (measured in anechoic room) *4			dB <A>	77.5/79.0	
Refrigerant piping diameter		High pressure	in. (mm)	3/4 (19.05) Brazed	
		Low pressure	in. (mm)	7/8 (22.2) Brazed	
Minimum Circuit Ampacity (*)			A	40-37	
Maximum Overcurrent Protection (*)			A	60-50	
FAN		Type x Quantity		Propeller fan x 2	
		Airflow rate	cfm	7,400	
			m3/min	210	
		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	5.6	
		Case heater	kW	0.035	
		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)	576 (261)	
Heat exchanger				Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)				-	
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	

Notes:
1. Nominal cooling conditions (Test conditions are based on AHRI 1230)
   Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
2. Nominal heating conditions (Test conditions are based on AHRI 1230)
   Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.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.

* All electrical work shall comply with National (CEC) and local codes and regulations.

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Module: PURY-P96TNU-A1(-BS) - DIMENSIONS

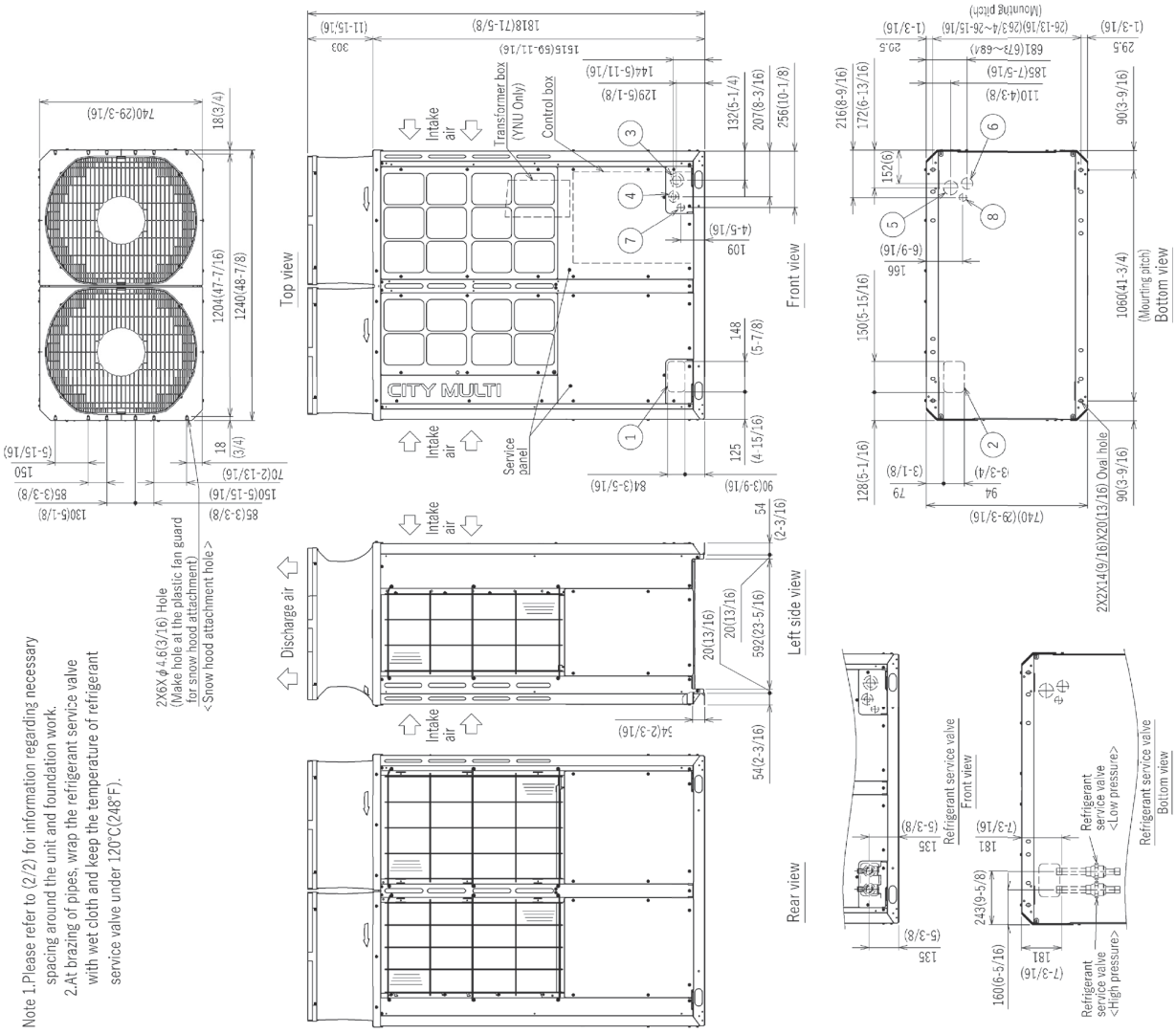
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter					
	Refrigerant pipe *1				Service valve	
	High pressure		Low pressure		High pressure	Low pressure
(E)P96	ϕ19.05(3/4)	Brazed	ϕ22.2(7/8)	Brazed	ϕ28.58(1-1/8)	ϕ28.58(1-1/8)
(E)P120	ϕ19.05(3/4)	Brazed	ϕ28.58(1-1/8)	Brazed	ϕ28.58(1-1/8)	ϕ28.58(1-1/8)
(E)P144	ϕ22.2(7/8)	Brazed	ϕ28.58(1-1/8)	Brazed	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	For wires	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 ϕ22.2(7/8) Knockout hole
⑤		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



Note 1.Please refer to (2/2) 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).

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Heating and Cooling