CITY MULTI® Model: PURY-EP96TNU-A1(-BS)

Job Name:

Schedule Reference: | Date:

UNIT OPTION

- ☐ Standard Model PURY-EP96TNU-A1
- ☐ Seacoast (BS) Model PURY-EP96TNU-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-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.

Outdoor Model			**PURY-EP96TNU-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	6.11	
(208-230)	Current input	A	18.8-17.0	
(Rated)		BTU/h	92,000	
		kW	27	
	Power input	kW	7.36	7.40
(208-230)	Current input	A	22.6-20.5	22.8-20.6
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	108,000	
		kW	31.7	
	Power input	kW	7.4	
(208-230)	Current input	A	22.8-20.6	
(Rated)		BTU/h	103,000	
		kW	30.2	
	Power input	kW	6.72	6.90
(208-230)	Current input	A	20.7-18.7	21.2-19.2
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~P96/1~24	
Sound power level (measured in anechoic room) *3		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	44-40	
Maximum Overcurrent Protection (*)		A	70-60	
FAN	Type x Quantity		Propeller fan x 2	
	Airflow rate	cfm	7,400	
		m^3/min	210	
	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	5.5	
	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-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)	613 (278)	
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-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.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.

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

Module: PURY-EP96TNU-A1(-BS) - DIMENSIONS

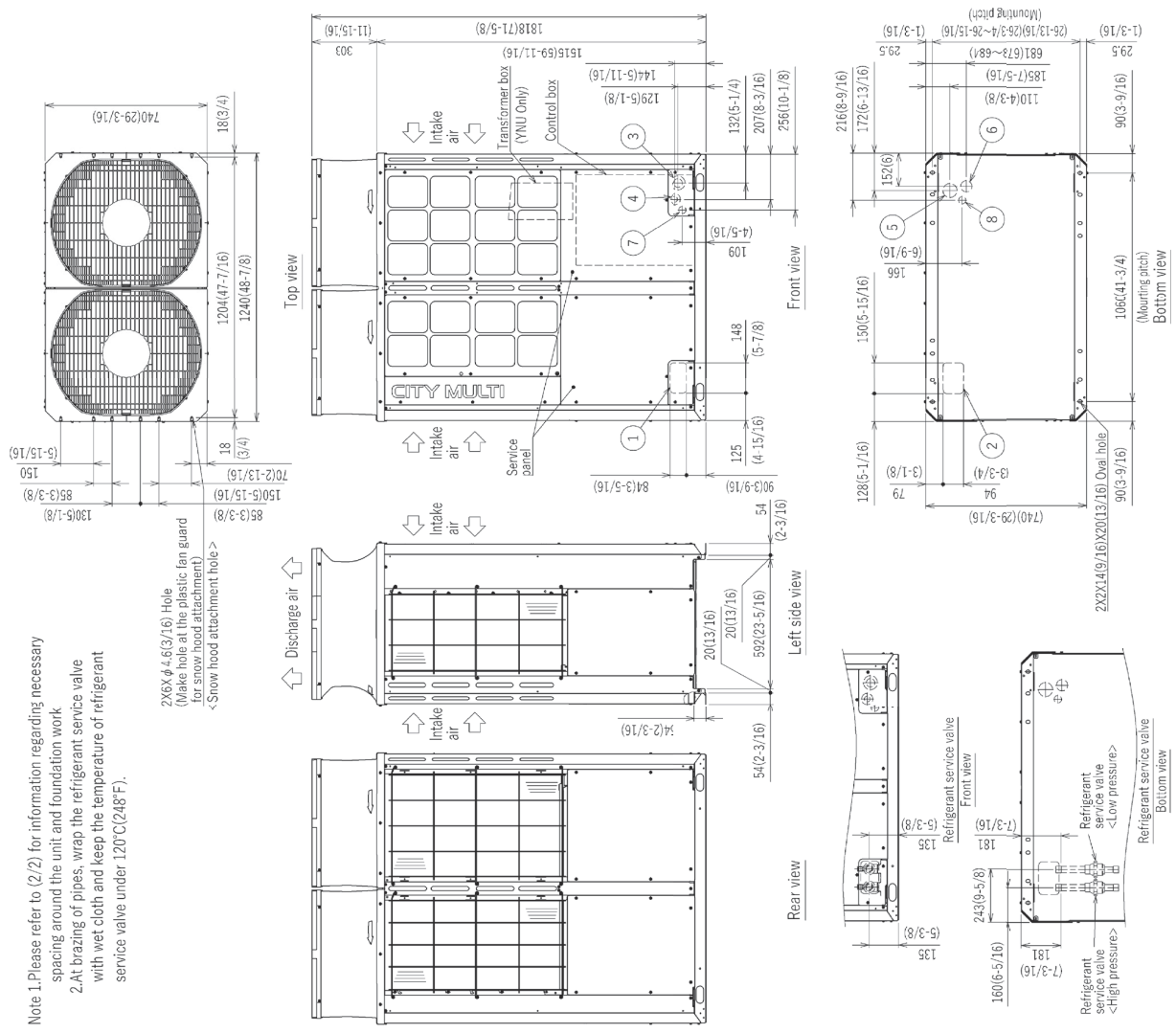
Unit: mm (in.)

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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