CITY MULTI® Model: PURY-EP240TNU-A1(-BS)

Job Name:

Schedule Reference: | Date:

UNIT OPTION

- ☐ Standard Model PURY-EP240TNU-A1
- ☐ Seacoast (BS) Model PURY-EP240TNU-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 CM_PAB_100_20_006)
- ☐ Panel Heater - (PAC-PH03EHYU-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-EP240TNU-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	240,000	
			kW	65.7	
		Power input	kW	21.39	
	(208-230)	Current input	A	65.9-59.6	
	(Rated)		BTU/h	214,000	
			kW	62.7	
		Power input	kW	21.60	21.00
	(208-230)	Current input	A	66.6-60.2	64.7-58.5
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	250,000	
			kW	73.3	
		Power input	kW	21.79	
	(208-230)	Current input	A	67.2-60.7	
	(Rated)		BTU/h	240,000	
			kW	70.3	
		Power input	kW	19.96	20.20
	(208-230)	Current input	A	61.5-55.6	62.2-56.3
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~P96/2~50	
Sound power level (measured in anechoic room) *3			dB <A>	88.0-87.0	
Refrigerant piping diameter		High pressure	in. (mm)	7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)	
		Low pressure	in. (mm)	1-3/8 (34.93) Brazed	
Minimum Circuit Ampacity (*)			A	88-88	
Maximum Overcurrent Protection (*)			A	150-150	
FAN		Type x Quantity		Propeller fan x 2	
		Airflow rate	cfm	14,500	
			m3/min	410	
		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	17	
		Case heater	kW	0.048	
		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-current protection	
		Fan motor		-	
Refrigerant		Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	
		Control		Indoor LEV and BC controller	
Net weight			lbs (kg)	887 (402)	
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-R201,202,203,204,306S-G,CMY-R302,303,304,305S-G1 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.

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Module: PURY-EP240TNU-A1(-BS) - DIMENSIONS

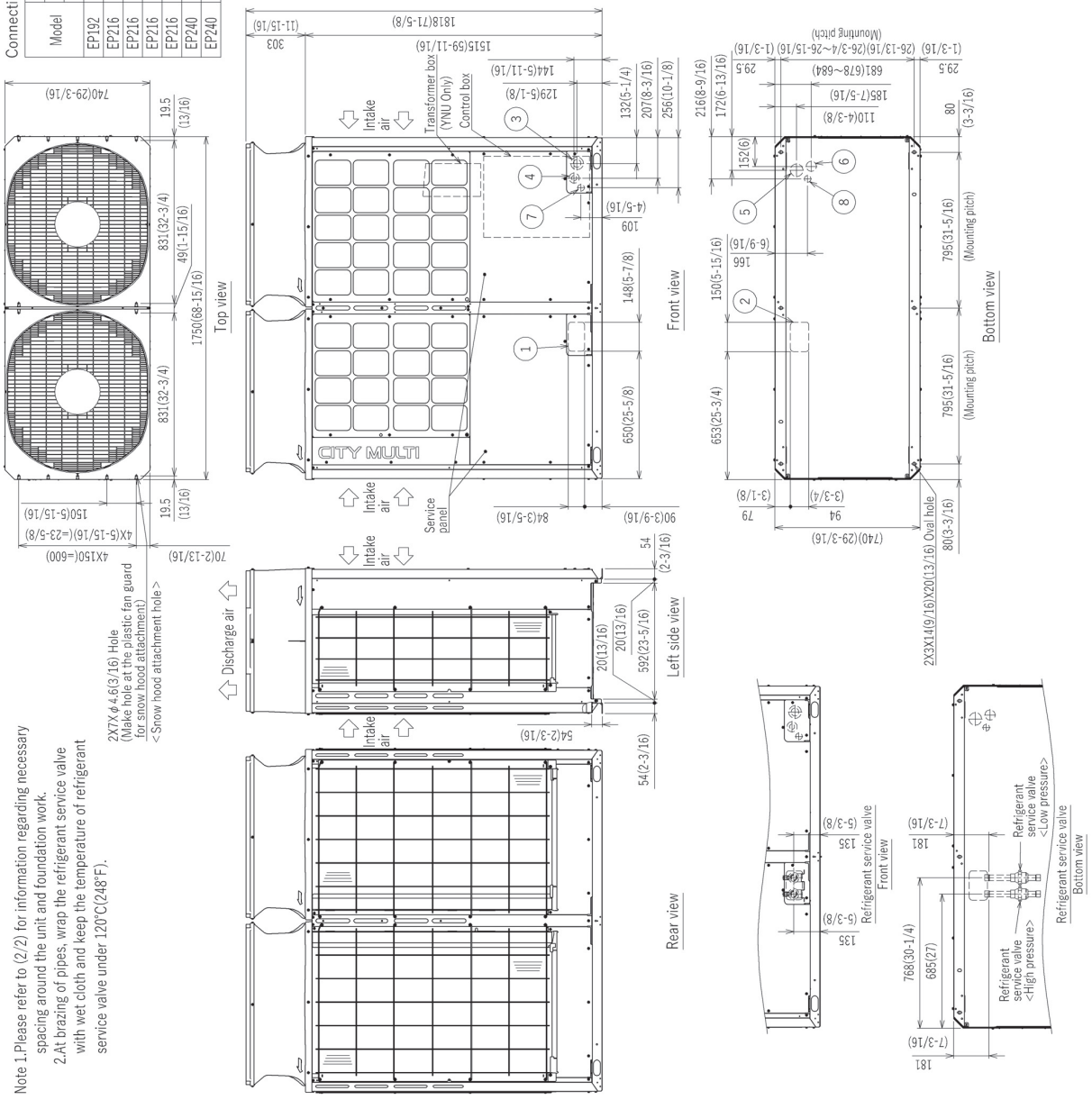
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter					
	Refrigerant pipe *1				Service valve	
	High pressure		Low pressure		High pressure	Low pressure
EP192	ϕ 22.2(7/8)	Brazed	ϕ 28.58(1-1/8)	Brazed	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)
EP216	ϕ 22.2(7/8)	Brazed	ϕ 28.58(1-1/8)	Brazed*2	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)
EP216	ϕ 22.2(7/8)	Brazed	ϕ 34.93(1-3/8)	Brazed	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)
EP216	ϕ 28.58(1-1/8)	Brazed*3	ϕ 28.58(1-1/8)	Brazed*2	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)
EP216	ϕ 28.58(1-1/8)	Brazed*3	ϕ 34.93(1-3/8)	Brazed	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)
EP240	ϕ 22.2(7/8)	Brazed	ϕ 34.93(1-3/8)	Brazed	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)
EP240	ϕ 28.58(1-1/8)	Brazed*3	ϕ 34.93(1-3/8)	Brazed	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)

*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.
*2 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.
*3 Furthest piping length (OU from IU) ≦ 65m (213ft)

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	ϕ 62.7(2-1/2) or ϕ 34.5(1-3/8) Knockout hole
④		Front through hole	ϕ 43.7(1-3/4) or ϕ 22.2(7/8) Knockout hole
⑤		Bottom through hole	ϕ 65(2-9/16) Knockout hole
⑥		Bottom through hole	ϕ 52(2-1/16) Knockout hole
⑦	For transmission cables	Front through hole	ϕ 34(1-3/8) Knockout hole
⑧		Bottom through hole	ϕ 34(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).

MITSUBISHI ELECTRIC
Heating and Cooling