

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-EP288TSNU-A

Seacoast (BS) Model PURY-EP288TSNU-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) (x2)

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 D.B./43°F W.B. (8.3°C D.B./6.1°C W.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.

Outdoor Model				PURY-EP288TSNU-A (-BS)			
Indoor Model				Non-Ducted		Ducted	
Power source				3-phase 3-wire 208-230 V ±10% 60 Hz			
Cooling capacity *1 (Nominal)		(208-230)		BTU/h	288,000		
				kW	84.4		
				Power input	24.83		
				Current input	76.5-69.2		
				(Rated)		BTU/h	276,000
		kW	80.9				
		Power input	28.60			28.45	
		Current input	88.2-79.7			87.7-79.3	
		(208-230)					
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)		(208-230)		BTU/h	323,000		
				kW	94.7		
				Power input	27.3		
				Current input	84.1-76.1		
				(Rated)		BTU/h	304,000
		kW	89.1				
		Power input	25.15			25.05	
		Current input	77.5-70.1			77.2-69.8	
		(208-230)					
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>	88.5/88.5		
Refrigerant piping diameter		High pressure	in. (mm)	1-1/8 (28.58) Brazed			
		Low pressure	in. (mm)	1-3/8 (34.93) Brazed			

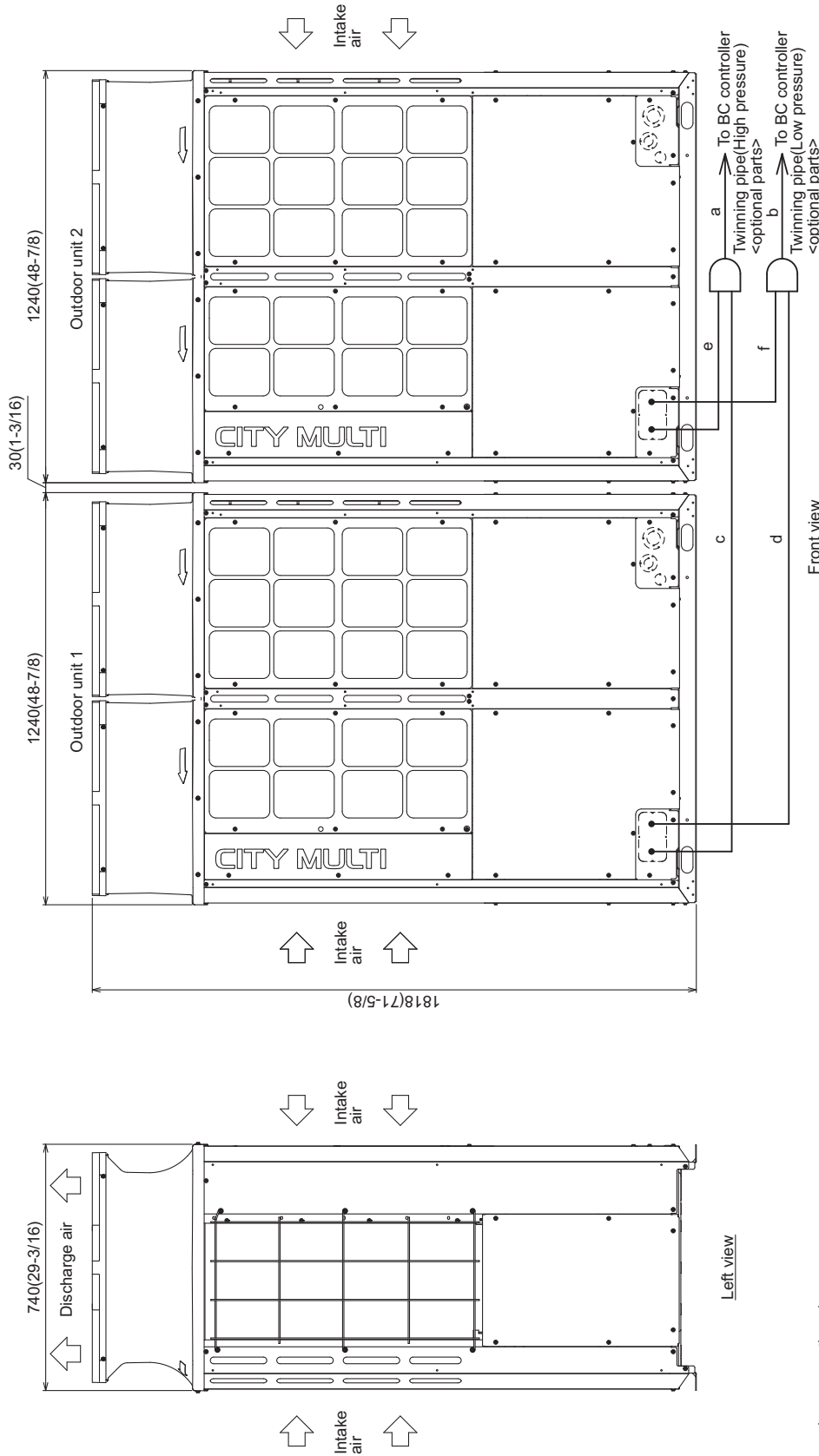
Set Model

Model		PURY-EP144TNU-A (-BS)	PURY-EP144TNU-A (-BS)
Minimum Circuit Ampacity (*)		A	60-60
Maximum Overcurrent Protection (*)		A	100-100
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	9,550
		m³/min	270
	Control, Driving mechanism	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.46+0.46
	External static press.	0 in.WG (0 Pa)	0 in.WG (0 Pa)
	Type x Quantity	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method	Inverter	Inverter
	Motor output	kW	9.8
	Case heater	kW	-
Lubricant		MEL32	MEL32
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	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	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)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)	Over-current protection	Over-current protection
	Fan motor	-	-
Refrigerant	Type x original charge	R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
	Control	Indoor LEV and BC controller	Indoor LEV and BC controller
Net weight		lbs (kg)	680 (308)
Heat exchanger		Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube
HIC circuit (HIC: Heat Inter-Changer)		-	-
Pipe between unit and distributor	High pressure	in. (mm)	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)	
Optional parts		Outdoor Twinning kit: CMY-R300NCBK Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1, CMY-R201, 202, 203, 204, 205, 306S-G, CMY-R302, 303, 304, 305S-G1 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 (CEC) and local codes and regulations.

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Module: PURY-EP288TSNU-A(-BS) - DIMENSIONS



Twining pipe connection size

Package unit name	PURY-EP192TSNU-A(-BS)	PURY-EP216TSNU-A(-BS)	PURY-EP240TSNU-A(-BS)	PURY-EP264TSNU-A(-BS)	PURY-EP288TSNU-A(-BS)
Component unit name	Outdoor unit 1	PURY-EP96TNU-A(-BS)	PURY-EP120TNU-A(-BS)	PURY-EP144TNU-A(-BS)	PURY-EP144TNU-A(-BS)
Outdoor Twining Kit(optional parts)	Outdoor unit 2	PURY-EP96TNU-A(-BS)	PURY-EP120TNU-A(-BS)	PURY-EP144TNU-A(-BS)	PURY-EP144TNU-A(-BS)
BC controller	High pressure	a	ø22.2(7/8)	ø22.2(7/8)	ø22.2(7/8)
~Twining pipe	Low pressure	b	ø28.58(1-1/8)	ø28.58(1-1/8)	ø28.58(1-1/8)

* When the piping length is 65m(213ft) or longer, use the ø28.58(1-1/8) pipe for the part that exceeds 65m(213ft).

Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.

2. Twining pipes should not be tilted more than 15 degrees from the horizontal plane.

Be sure to see the Installation Manual for details of Twining pipe installation.

3. The pipe section before the Twining pipe (section "a" and "b" in the figure) must have at least 500mm(19-11/16) of straight section

(*including the straight pipe that is supplied with the Twining pipe).

4. Only use the Twining pipe by Mitsubishi (optional parts).

Unit model	High pressure	Low pressure
EP96	c or e	d or f
EP120	ø19.05(3/4)	ø22.2(7/8)
EP144	ø19.05(3/4)	ø28.58(1-1/8)
	ø22.2(7/8)	ø28.58(1-1/8)

Unit: mm (in.)

Unit: mm (in.)

Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.

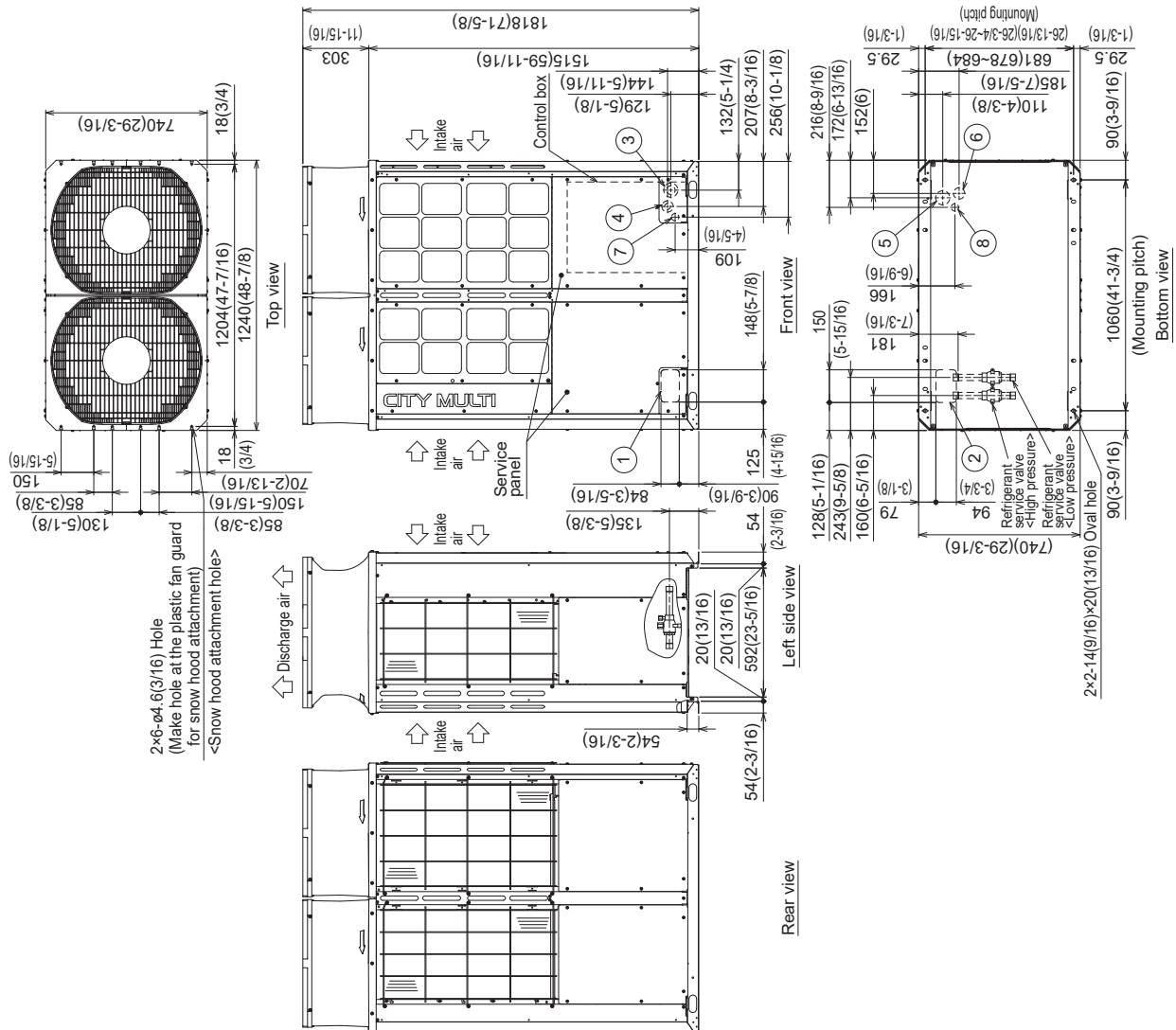
2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

Connecting pipe specifications

Model	Refrigerant pipe		Diameter	
	High pressure	Low pressure	High pressure	Low pressure
EP96		ø 27 (2 1/8) Braze ¹⁾		
EP 120	ø 19.05 (3/4) Braze ¹⁾	ø 22 (7/8) Braze ¹⁾	ø 28.58 (1 1/8)	ø 28.58 (1 1/8)
EP 144		ø 27 (7/8) Braze 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 ø2 7/2(1-1/2) or ø3/4 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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