

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-EP288TSNU-A1

Seacoast (BS) Model PURY-EP288TSNU-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) (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-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	288,000			
				kW	84.4			
(208-230)				Power input	24.83			
				Current input	76.5-69.2			
(Rated)				BTU/h	276,000			
				kW	80.9			
(208-230)				Power input	28.60		28.45	
				Current input	88.2-79.7		87.7-79.3	
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	323,000			
				kW	94.7			
(208-230)				Power input	27.3			
				Current input	84.1-76.1			
(Rated)				BTU/h	304,000			
				kW	89.1			
(208-230)				Power input	25.15		25.05	
				Current input	77.5-70.1		77.2-69.8	
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			

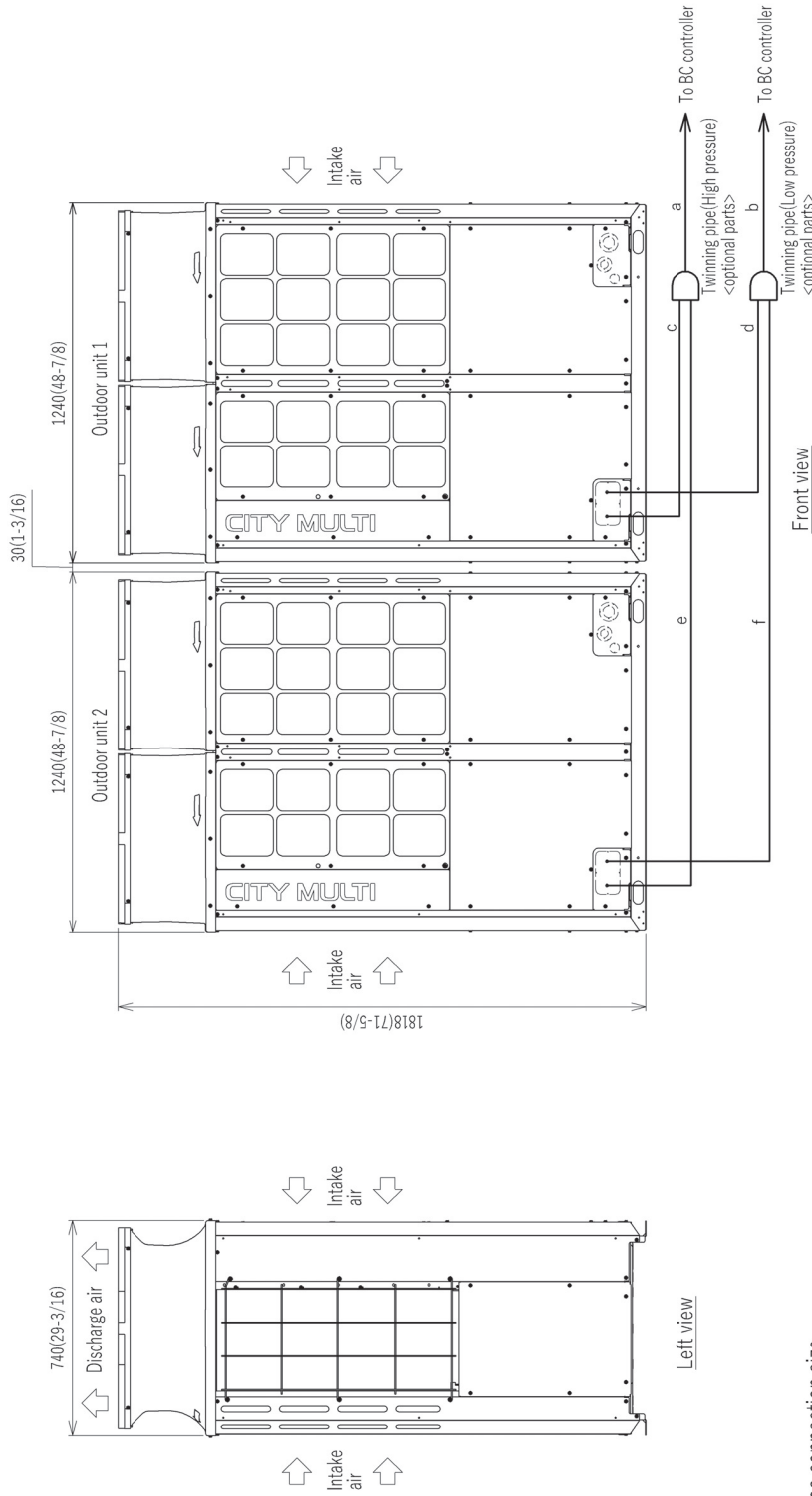
Set Model

Model		PURY-EP144TNU-A1 (-BS)	PURY-EP144TNU-A1 (-BS)
Minimum Circuit Ampacity (*)		A 60-60	A 60-60
Maximum Overcurrent Protection (*)		A 100-100	A 100-100
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm 9,550	cfm 9,550
		m³/min 270	m³/min 270
	Control, Driving mechanism	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW 0.46±0.46	kW 0.46±0.46
	External static press.	0 in.WG (0 Pa)	0 in.WG (0 Pa)
		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
Compressor	Type x Quantity	Inverter	Inverter
	Starting method	Inverter	Inverter
	Motor output	kW 9.8	kW 9.8
	Case heater	kW 0.045	kW 0.045
	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	
Net weight		lbs (kg) 680 (308)	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	in. (mm) 7/8 (22.2) Brazed
	Low pressure	in. (mm) 1-1/8 (28.58) Brazed	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-JA2, CMB-P1016NU-KA2 Sub BC controller: CMB-P104, 108NU-KB2	

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

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Module: PURY-EP288TSNU-A1(-BS) - DIMENSIONS



Twinning pipe connection size

Package unit name	(E)P192T/YSNU	P216T/YSNU	EP216T/YSNU	(E)P240T/YSNU	(E)P264T/YSNU	(E)P288T/YSNU
Outdoor unit 1	(E)P96T/YSNU	P120T/YSNU	EP120T/YSNU	(E)P120T/YSNU	(E)P144T/YSNU	(E)P144T/YSNU
Outdoor unit 2	(E)P96T/YSNU	P96T/YSNU	EP96T/YSNU	(E)P120T/YSNU	(E)P144T/YSNU	(E)P144T/YSNU
Outdoor Twinning Kit (optional parts)	CMY-R200NCBK	CMY-R200NCBK	CMY-R200NCBK	CMY-R200NCBK	CMY-R300NCBK	CMY-R300NCBK
BC controller						
~Twinning pipe	a	* $\phi 22.2(7/8)$ ($\phi 28.58(1-1/8)$)	* $\phi 22.2(7/8)$ ($\phi 28.58(1-1/8)$)	* $\phi 22.2(7/8)$ ($\phi 28.58(1-1/8)$)	$\phi 28.58(1-1/8)$	$\phi 28.58(1-1/8)$
~Twinning pipe	b	$\phi 28.58(1-1/8)$	$\phi 34.93(1-3/8)$	$\phi 34.93(1-3/8)$	$\phi 34.93(1-3/8)$	$\phi 34.93(1-3/8)$
~Twinning pipe	c	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$
~Twinning pipe	d	$\phi 22.2(7/8)$	$\phi 28.58(1-1/8)$	$\phi 28.58(1-1/8)$	$\phi 28.58(1-1/8)$	$\phi 28.58(1-1/8)$
~Twinning pipe	e	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 22.2(7/8)$
~Twinning pipe	f	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 28.58(1-1/8)$	$\phi 28.58(1-1/8)$

* When the piping length is 65m(213ft) or longer,
use the $\phi 28.58(1-1/8)$ 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.
- Note 2. Twinning pipes must be installed horizontally using a level vessel.
- Note 3. Be sure to see the Installation Manual for details of Twinning pipe installation.
- Note 4. The pipe section before the Twinning 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 Twinning pipe).
- Note 5. Only use the Twinning pipe by Mitsubishi (optional parts).

Unit: mm (in.)

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Module: PURY-EP144TNU-A1(-BS) - DIMENSIONS

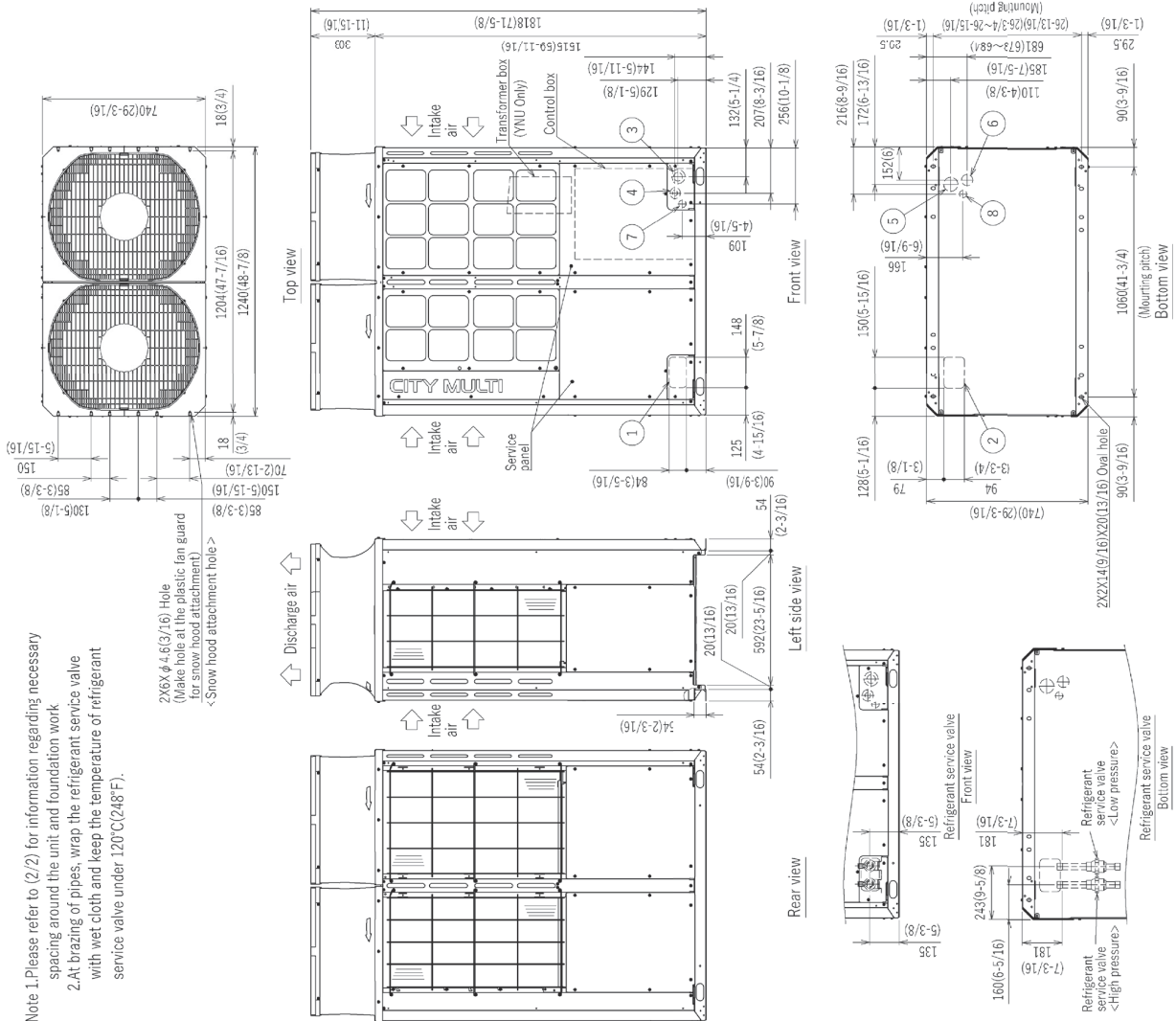
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter		
	Refrigerant pipe *1	Low pressure	High pressure
(E)P96	High pressure	Low pressure	Service valve
	φ19.05(3/4)	φ22.7(7/8)	φ28.58(1-1/8)
(E)P120	Brazed	Brazed	φ28.58(1-1/8)
	φ19.05(3/4)	φ28.58(1-1/8)	φ28.58(1-1/8)
(E)P144	Brazed	Brazed	φ28.58(1-1/8)
	φ22.7(7/8)	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		Front through hole φ62.7(2-1/2) or φ34.5(1-3/8) Knockout hole
④	For wires	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



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