

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-EP240TSNU-A1

Seacoast (BS) Model PURY-EP240TSNU-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-EP240TSNU-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	70.3	
(208-230)	Power input	kW	19.17	
	Current input	A	59.1-53.4	
	(Rated)	BTU/h	230,000	
		kW	67.4	
(208-230)	Power input	kW	22.35	22.60
	Current input	A	68.9-62.3	69.7-63.0
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	270,000	
		kW	79.1	
(208-230)	Power input	kW	22.03	
	Current input	A	67.9-61.4	
	(Rated)	BTU/h	258,000	
		kW	75.6	
(208-230)	Power input	kW	20.52	19.90
	Current input	A	63.2-57.2	61.3-55.5
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>	83.0/83.5	
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

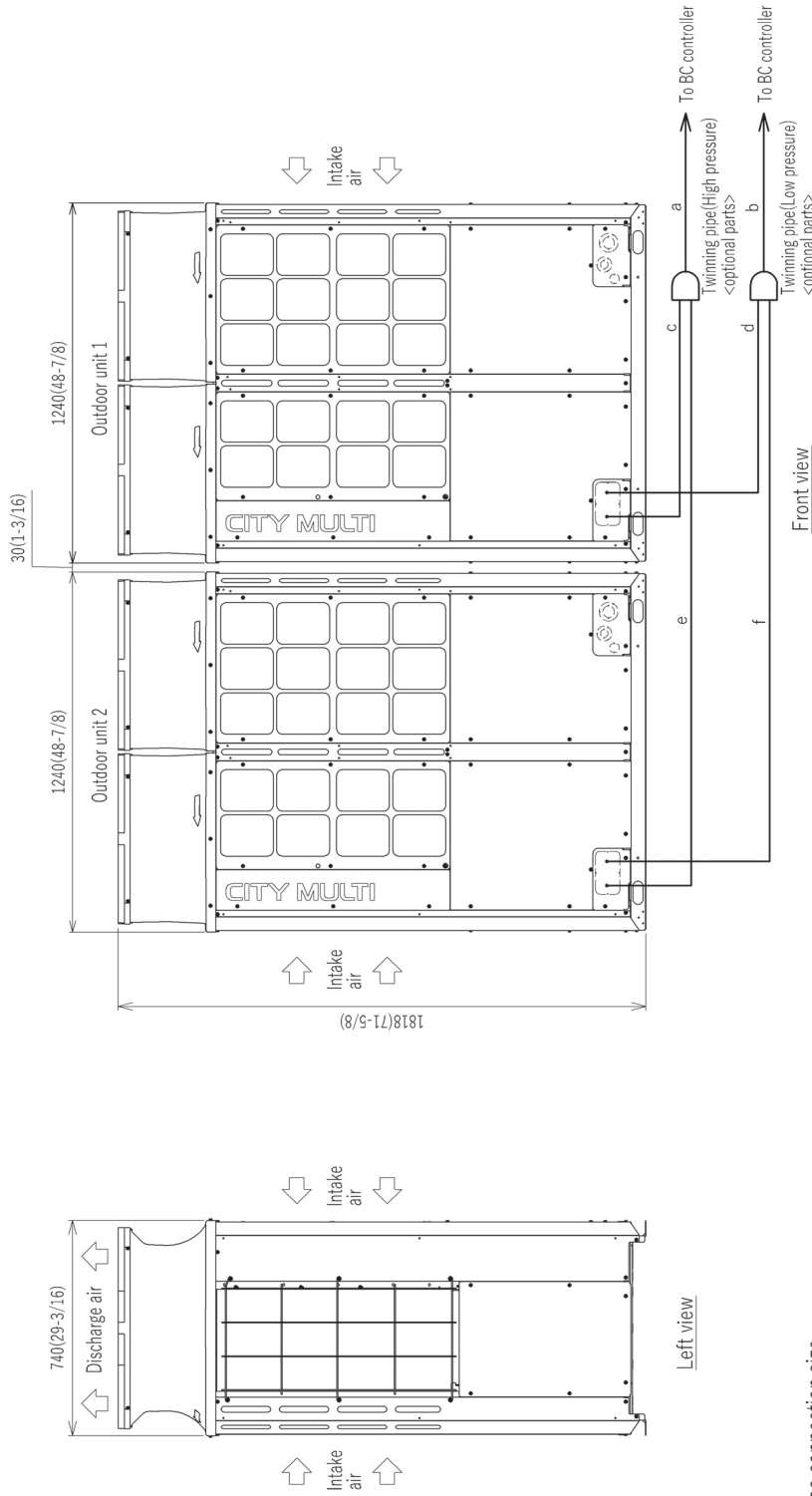
Set Model

Model		PURY-EP120TNU-A1 (-BS)	PURY-EP120TNU-A1 (-BS)
Minimum Circuit Ampacity (*)		A 56-55	56-55
Maximum Overcurrent Protection (*)		A 90-90	90-90
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm 8,300	8,300
		m³/min 235	235
	Control, Driving mechanism	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW 0.46+0.46	0.46+0.46
	*4 External static press.	0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method	Inverter	Inverter
	Motor output	kW 7.6	7.6
	Case heater	kW 0.045	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	71-5/8 x 48-7/8 x 29-3/16
	mm	1,818 x 1,240 x 740	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 17 lbs + 10 oz (8.0 kg)	R410A x 17 lbs + 10 oz (8.0 kg)
	Control	Indoor LEV and BC controller	
Net weight	lbs (kg)	622 (282)	622 (282)
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) 3/4 (19.05) Brazed	3/4 (19.05) Brazed
	Low pressure	in. (mm) 1-1/8 (28.58) Brazed	1-1/8 (28.58) Brazed
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)	
Optional parts		Outdoor Twinning kit: CMY-R200NCBK 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-EP240TSNU-A1(-BS) - DIMENSIONS



Twining 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 Twining Kit (optional parts)	CMY-R200NCBK	CMY-R200NCBK	CMY-R200NCBK	CMY-R200NCBK	CMY-R300NCBK	CMY-R300NCBK
BC controller						
~Twining pipe	a	b	c	d	e	f
High pressure	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$
Low pressure	$\phi 28.58(1-1/8)$	$\phi 28.58(1-1/8)$	$\phi 28.58(1-1/8)$	$\phi 28.58(1-1/8)$	$\phi 28.58(1-1/8)$	$\phi 28.58(1-1/8)$
High pressure	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$
Low pressure	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$
High pressure	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$	$\phi 19.05(3/4)$
Low pressure	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$	$\phi 22.2(7/8)$

* 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. Twining pipes must be installed horizontally using a level vessel.
- Note 3. Be sure to see the Installation Manual for details of Twining pipe installation.
- Note 4. 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).
- Note 5. Only use the Twining pipe by Mitsubishi (optional parts).

Unit: mm (in.)

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Module: PURY-EP120TNU-A1(-BS) - DIMENSIONS

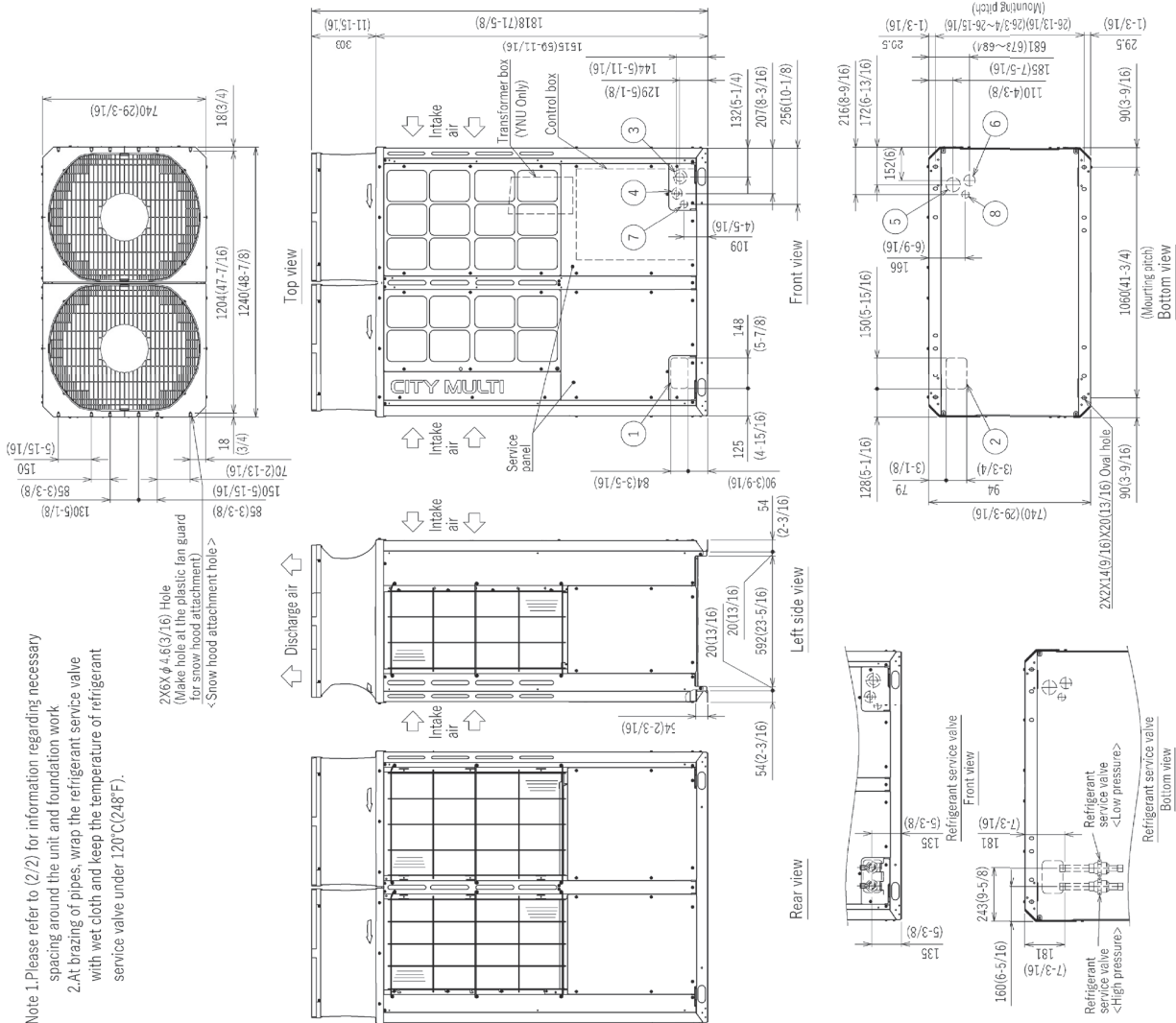
Unit: mm (in.)

Connecting pipe specifications

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



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).

2X6X φ 4.6(3/16) Hole
(Make hole at the plastic fan guard for snow hood attachment)
< Snow hood attachment hole >

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