

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P240TSNU-A1

Seacoast (BS) Model PURY-P240TSNU-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-E) (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 DB, 67°F WB, 26.7" CD B, 19.4" CW B, 1. Outdoor: 95°F DB, (35" CD B.)
- 2.Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F DB, (21.1" CD B.) Outdoor: 47°F DB, 43°F WB, (8.3" CD B, 6.1" CW B.)
- 3.When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
- 4.Cooling mode/Heating mode
- 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).
- * Due to continuing improvement, above specifications may be subject to change without notice.

Specifications are subject to change without notice.

Outdoor Model			PURY-P240TSNU-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	
		Power input	20.08	
(208-230)	Current input	A	61.9-56.0	
	(Rated)	BTU/h	230,000	
kW		67.4		
(208-230)	Power input	kW	22.93	22.68
	Current input	A	70.7-63.9	69.9-63.2
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	
		Power input	22.45	
(208-230)	Current input	A	69.2-62.6	
	(Rated)	BTU/h	258,000	
kW		75.6		
(208-230)	Power input	kW	20.64	20.58
	Current input	A	63.6-57.5	63.4-57.4
Temp. range of heating *3		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) *4		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

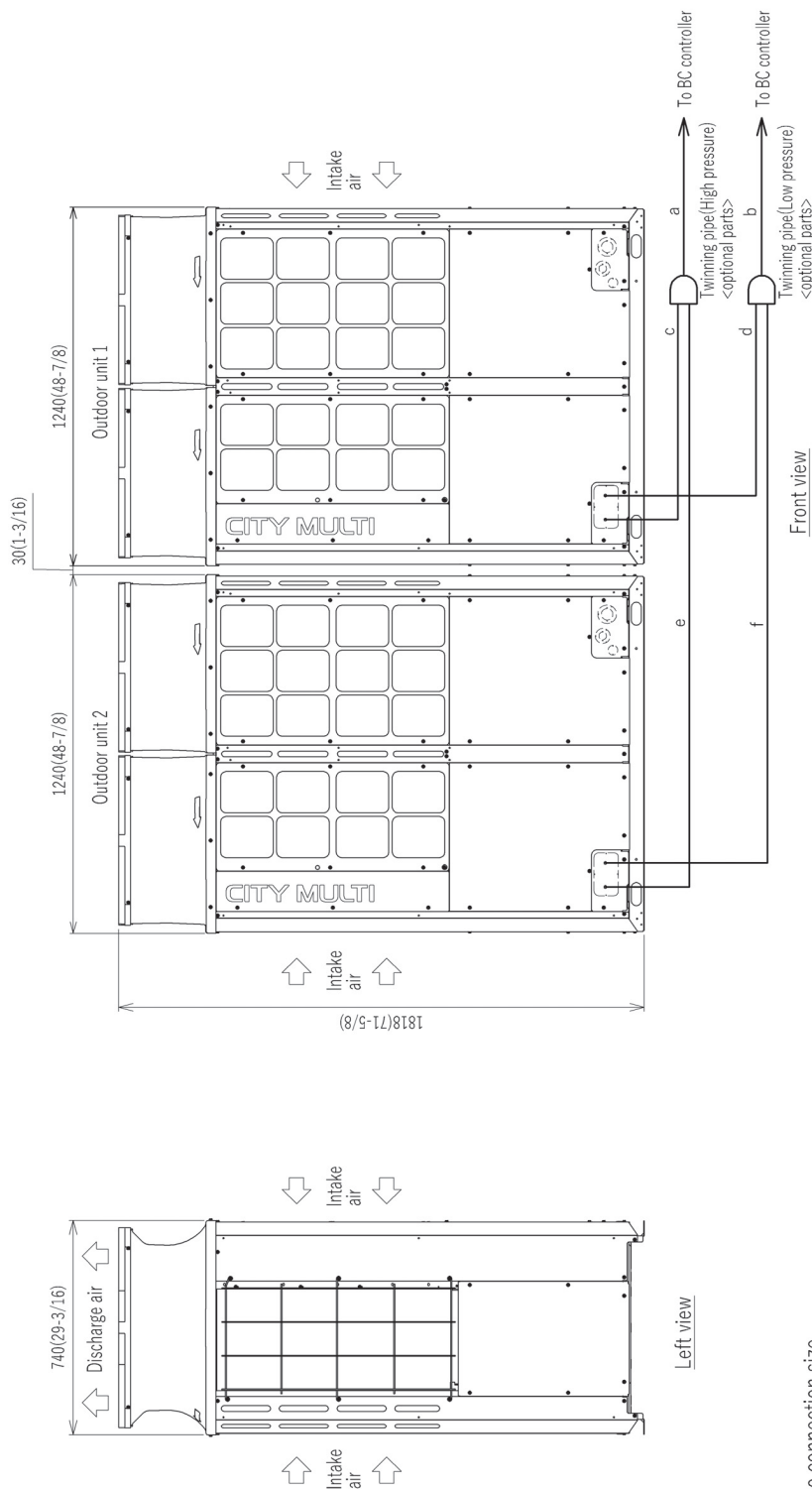
Set Model

Model			PURY-P120TNU-A1 (-BS)	PURY-P120TNU-A1 (-BS)
Minimum Circuit Ampacity (*)		A	50-46	50-46
Maximum Overcurrent Protection (*)		A	80-70	80-70
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
	*5 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	7.8	7.8
	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-heat protection, Over-current protection	Over-heat 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)	598 (271)	598 (271)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper 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-P240TSNU-A1(-BS) - DIMENSIONS



Twinning pipe connection size

Package unit name	(E)P192T/Y/SNU	P216T/Y/SNU	EP216T/Y/SNU	(E)P240T/Y/SNU	(E)P264T/Y/SNU	(E)P288T/Y/SNU
Outdoor unit 1	(E)P96T/Y/SNU	P120T/Y/SNU	EP120T/Y/SNU	(E)P120T/Y/SNU	(E)P144T/Y/SNU	(E)P144T/Y/SNU
Outdoor unit 2	(E)P96T/Y/SNU	P96T/Y/SNU	EP96T/Y/SNU	(E)P120T/Y/SNU	(E)P120T/Y/SNU	(E)P144T/Y/SNU
Outdoor Twinning Kit(optional parts)	CMY-R200N/CBK	CMY-R200N/CBK	CMY-R200N/CBK	CMY-R200N/CBK	CMY-R300N/CBK	CMY-R300N/CBK
BC controller	ϕ 22.7(7.8)	* ϕ 22.2(7.8) (ϕ 28.58(1-1/8))	* ϕ 22.2(7.8) (ϕ 28.58(1-1/8))	* ϕ 22.2(7.8) (ϕ 28.58(1-1/8))	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)
~Twining pipe	Low pressure a	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)	ϕ 34.93(1-3/8)	ϕ 34.93(1-3/8)	ϕ 34.93(1-3/8)
~Twining pipe	High pressure b	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 22.7(7.8)	ϕ 22.7(7.8)
~Outdoor unit 1	Low pressure d	ϕ 22.2(7.8)	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)
Twining pipe	High pressure e	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 22.7(7.8)
~Outdoor unit 2	Low pressure f	ϕ 22.7(7.8)	ϕ 22.7(7.8)	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)	ϕ 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.
2. Twinning pipes must be installed horizontally using a level vessel.
 3. Be sure to see the Installation Manual for details of "Twinning pipe" installation.
 3. 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).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).

Unit: mm (in.)

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Module: PURY-P120TNU-A1(-BS) - DIMENSIONS

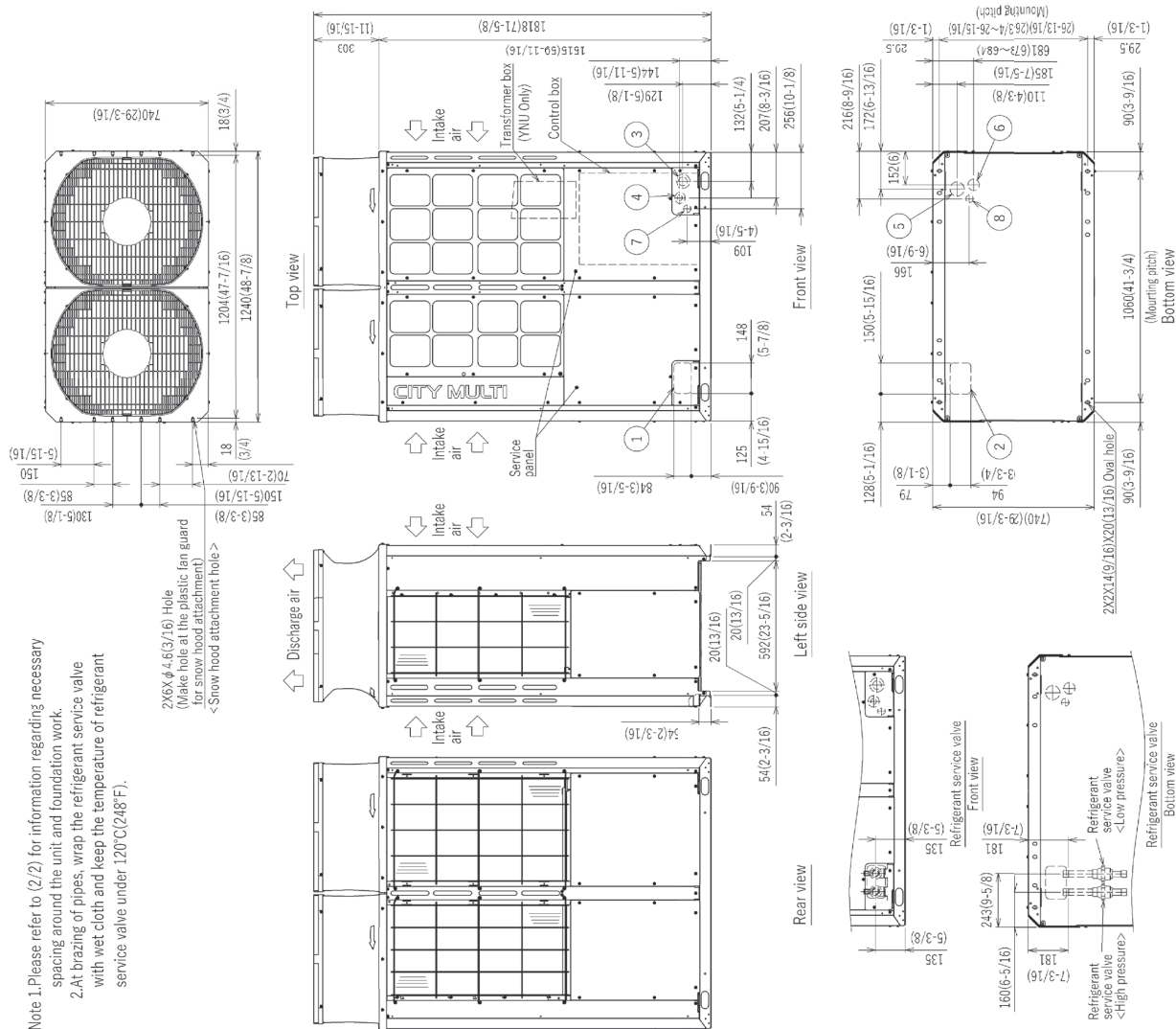
Unit: mm (in.)

Connecting pipe specifications

Model	Refrigerant pipe "1		Diameter	
	High pressure	Low pressure	High pressure	Low pressure
(E)P96	φ 19.05(3/4)	Brazed	φ 22.2(7/8)	Brazed
(E)P120	φ 19.05(3/4)	Brazed	φ 28.38(1-1/8)	Brazed
(E)P144	φ 22.2(7/8)	Brazed	φ 28.38(1-1/8)	Brazed
(E)P168	φ 22.2(7/8)	Brazed	φ 28.38(1-1/8)	Brazed

*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.

No.	Usage	Specifications
①	Front trough hole	150(5-7/8) X 84(3-1/4) Knockout hole
②	For pipes	Bottom trough hole 148(5-15/16) X 94(3-3/4) Knockout hole
③		Front trough hole $\phi 62(2-1/2)$ or $\phi 31(5-1/8)$ Knockout hole
④		Front trough hole $\phi 43(1-3/4)$ or $\phi 22(7/8)$ Knockout hole
⑤	For wires	Bottom trough hole $\phi 55(2-1/8)$ Knockout hole
⑥		Bottom trough hole $\phi 52(2-1/16)$ Knockout hole
⑦	For transmission	Front trough hole $\phi 34(1-3/8)$ Knockout hole
⑧		Bottom trough hole $\phi 34(1-3/8)$ Knockout hole



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