

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P264TSNU-A1

Seacoast (BS) Model PURY-P264TSNU-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.

Outdoor Model				PURY-P264TSNU-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	264,000			
			kW	77.4			
(208-230)			Power input	23.14			
			Current input	71.3-64.5			
(Rated)			BTU/h	252,000			
			kW	73.9			
(208-230)			Power input	26.01	25.85		
			Current input	80.2-72.5	79.7-72.0		
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	295,000			
			kW	86.5			
(208-230)			Power input	24.99			
			Current input	77.0-69.7			
(Rated)			BTU/h	280,000			
			kW	82.1			
(208-230)			Power input	22.82	22.88		
			Current input	70.3-63.6	70.5-63.8		
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>	87.0/87.0			
Refrigerant			High pressure	in. (mm) 1-1/8 (28.58) Brazed			
piping diameter			Low pressure	in. (mm) 1-3/8 (34.93) Brazed			

Set Model

Model			PURY-P144TNU-A1 (-BS)	PURY-P120TNU-A1 (-BS)
Minimum Circuit Ampacity (*)		A	60-55	50-46
Maximum Overcurrent Protection (*)		A	100-90	80-70
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	9,550	8,300
		m3/min	270	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
		HP	0.62+0.62	0.62+0.62
*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	9.9	7.8
		HP	13.4	10.6
	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-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Fan motor		-	-
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)	R410A x 17 lbs + 10 oz (8.0 kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	646 (293)	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)	7/8 (22.2) 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-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			

Notes:

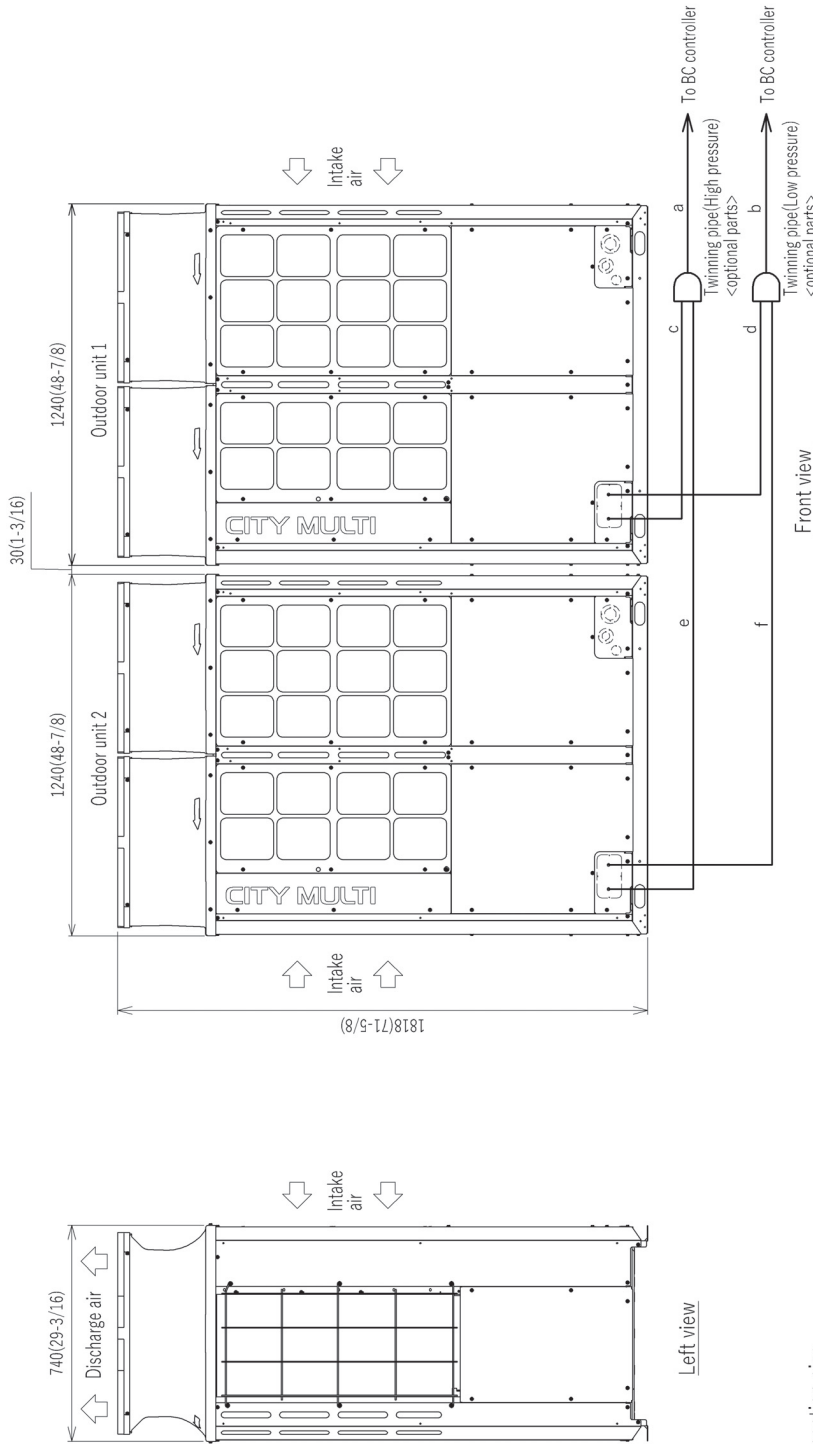
1. Nominal cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F DB / 67°F WB, (26.7°C DB / 19.4°C WB), Outdoor: 95°F DB, (35°C DB)
 2. Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F DB, (21.1°C DB), Outdoor: 47°F DB / 43°F WB, (8.3°C DB / 6.1°C WB)
 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.

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

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Module: PURY-P264TSNU-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
Component unit name	Outdoor unit 1	P120T/YSNU	EP120T/YSNU	(E)P120T/YSNU	(E)P144T/YSNU	(E)P144T/YSNU
Outdoor Twinning Kit(optional parts)	(E)P96T/YSNU	P96T/YSNU	EP96T/YSNU	(E)P120T/YSNU	(E)P120T/YSNU	(E)P144T/YSNU
BC controller	CMY-R200NCBK	CMY-R200NCBK	CMY-R200NCBK	CMY-R200NCBK	CMY-R300NCBK	CMY-R300NCBK
~Twinning pipe	High pressure a	ϕ 22.2(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 28.58(1-1/8)	ϕ 28.58(1-1/8)
Twinning pipe	Low pressure b	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)
~Outdoor unit 1	High pressure c	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 22.2(7/8)	ϕ 22.2(7/8)
Twinning pipe	Low pressure d	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)
~Outdoor unit 2	High pressure e	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 19.05(3/4)	ϕ 22.2(7/8)	ϕ 22.2(7/8)
	Low pressure f	ϕ 22.2(7/8)	ϕ 22.2(7/8)	ϕ 22.2(7/8)	ϕ 28.58(1-1/8)	ϕ 28.58(1-1/8)

* When the piping length is 65m(213ft) or longer, use the ϕ 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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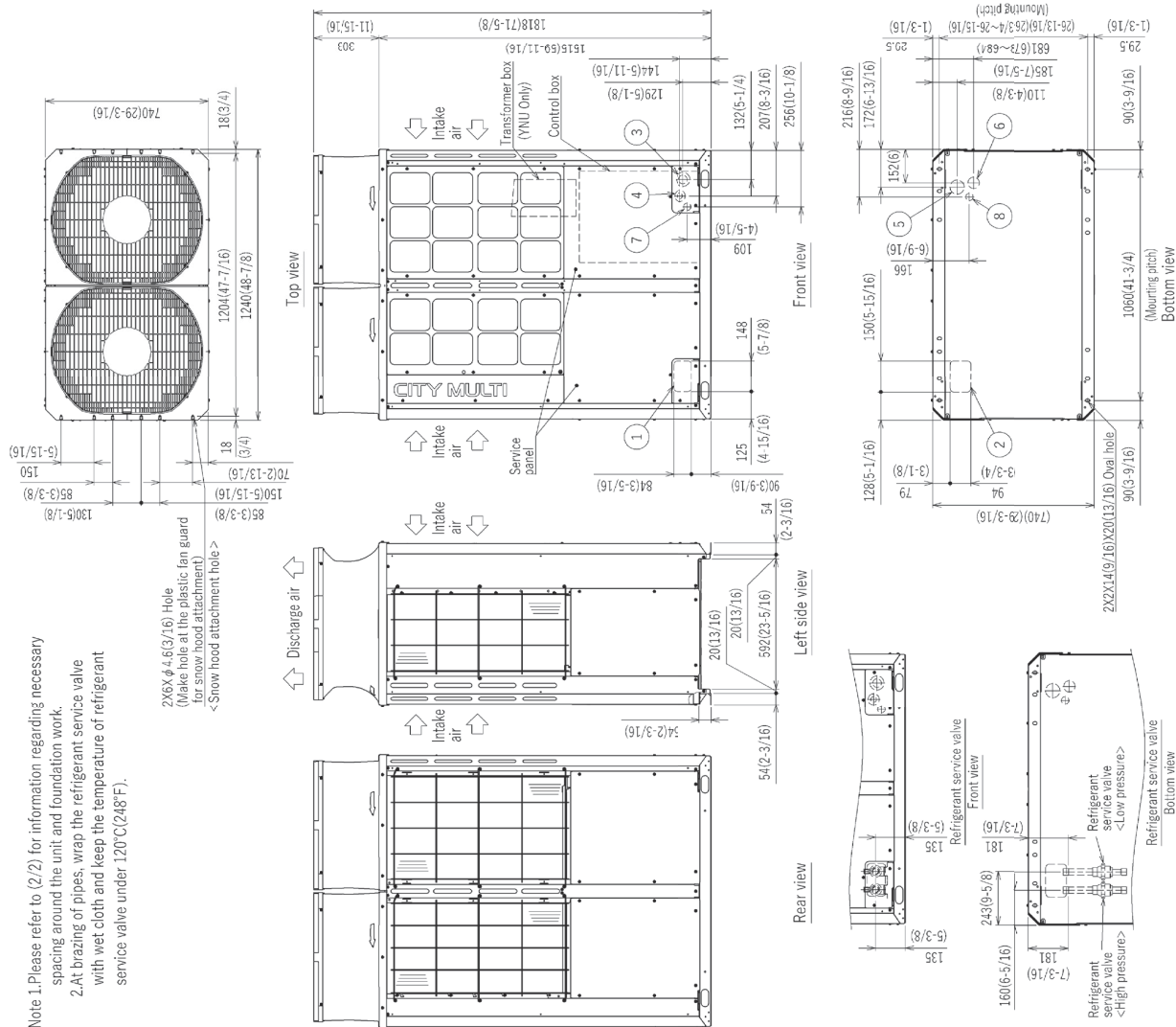
Module: PURY-P120_144TNU-A1(-BS) - DIMENSIONS

Unit: mm (in.)

Connecting pipe specifications

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



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

No.	Usage	Specifications
①	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	Front through hole	φ43.7(1-3/4) or φ22.7(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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