

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P216TSNU-A1

Seacoast (BS) Model PURY-P216TSNU-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°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.

Outdoor Model			PURY-P216TSNU-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	216,000	
		kW	63.3	
		Power input	16.85	
		(208-230) Current input	51.9-46.9	
		(Rated)		
(208-230)		BTU/h	206,000	
		kW	60.4	
		Power input	19.55	19.70
		Current input	60.2-54.5	60.7-54.9
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	243,000	
		kW	71.2	
		Power input	19.05	
		(208-230) Current input	58.7-53.1	
		(Rated)		
(208-230)		BTU/h	232,000	
		kW	68	
		Power input	17.23	17.68
		Current input	53.1-48.0	54.5-49.3
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>	82.0/83.0	
Refrigerant piping diameter		High pressure	in. (mm) 7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65m)	
		Low pressure	in. (mm) 1-1/8 (28.58) Brazed	

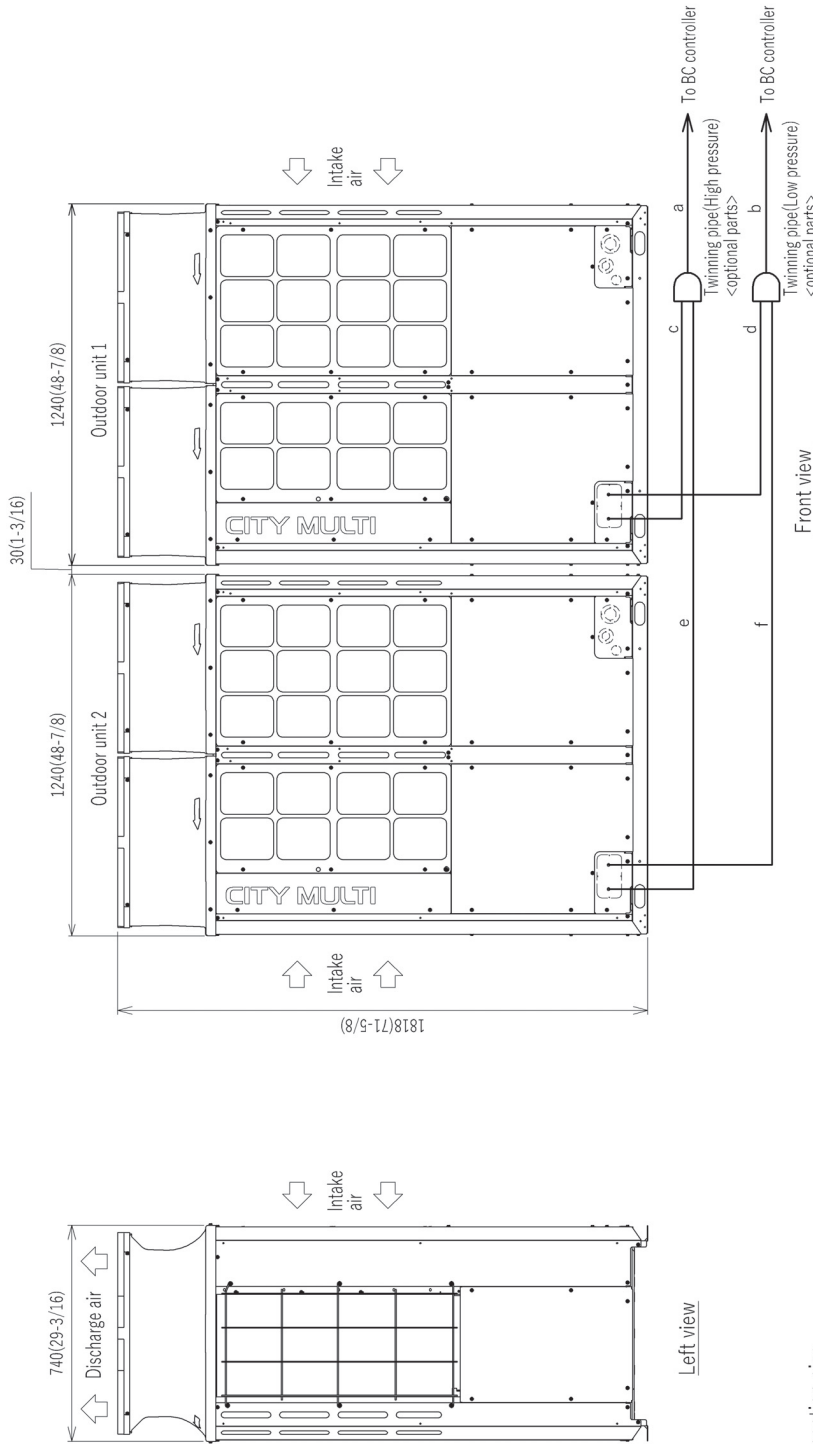
Set Model				
Model		PURY-P120TNU-A1 (-BS)	PURY-P96TNU-A1 (-BS)	
Minimum Circuit Ampacity (*)		A	50-46	40-37
Maximum Overcurrent Protection (*)		A	80-70	60-50
FAN	Type x Quantity	Propeller fan x 2		Propeller fan x 2
	Airflow rate	cfm	8,300	7,400
		m³/min	235	210
	Control, Driving mechanism	Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor
	Motor output	kW	0.46+0.46	0.46+0.46
Compressor	*5 External static press.	0 in.WG (0 Pa)		0 in.WG (0 Pa)
	Type x Quantity	Inverter scroll hermetic compressor x1		Inverter scroll hermetic compressor x1
	Starting method	Inverter		Inverter
	Motor output	kW	7.8	5.6
External finish	Case heater	kW	0.045	0.035
	Lubricant	MEL32		MEL32
External dimension H x W x D		Pre-coated galvanized steel sheet (+powder coating for -BS type)		Pre-coated galvanized steel sheet (+powder coating for -BS type)
		<MUNSELL 5Y 8/1>		<MUNSELL 5Y 8/1>
Protection devices	in.	71-5/8 x 48-7/8 x 29-3/16		71-5/8 x 48-7/8 x 29-3/16
		1,818 x 1,240 x 740		1,818 x 1,240 x 740
	mm			
Refrigerant	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection	
	Fan motor		-	
Net weight	Type x original charge		R410A x 17 lbs + 10 oz (8.0 kg)	
	Control		Indoor LEV and BC controller	
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		3/4 (19.05) Braze	
	Low pressure		1-1/8 (28.58) Braze	
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, 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		

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-P216TSNU-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)	CMY-R200NCBK	CMY-R200NCBK	CMY-R200NCBK	CMY-R200NCBK	CMY-R300NCBK	CMY-R300NCBK
BC controller						
~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-P96_120TNU-A1(-BS) - DIMENSIONS

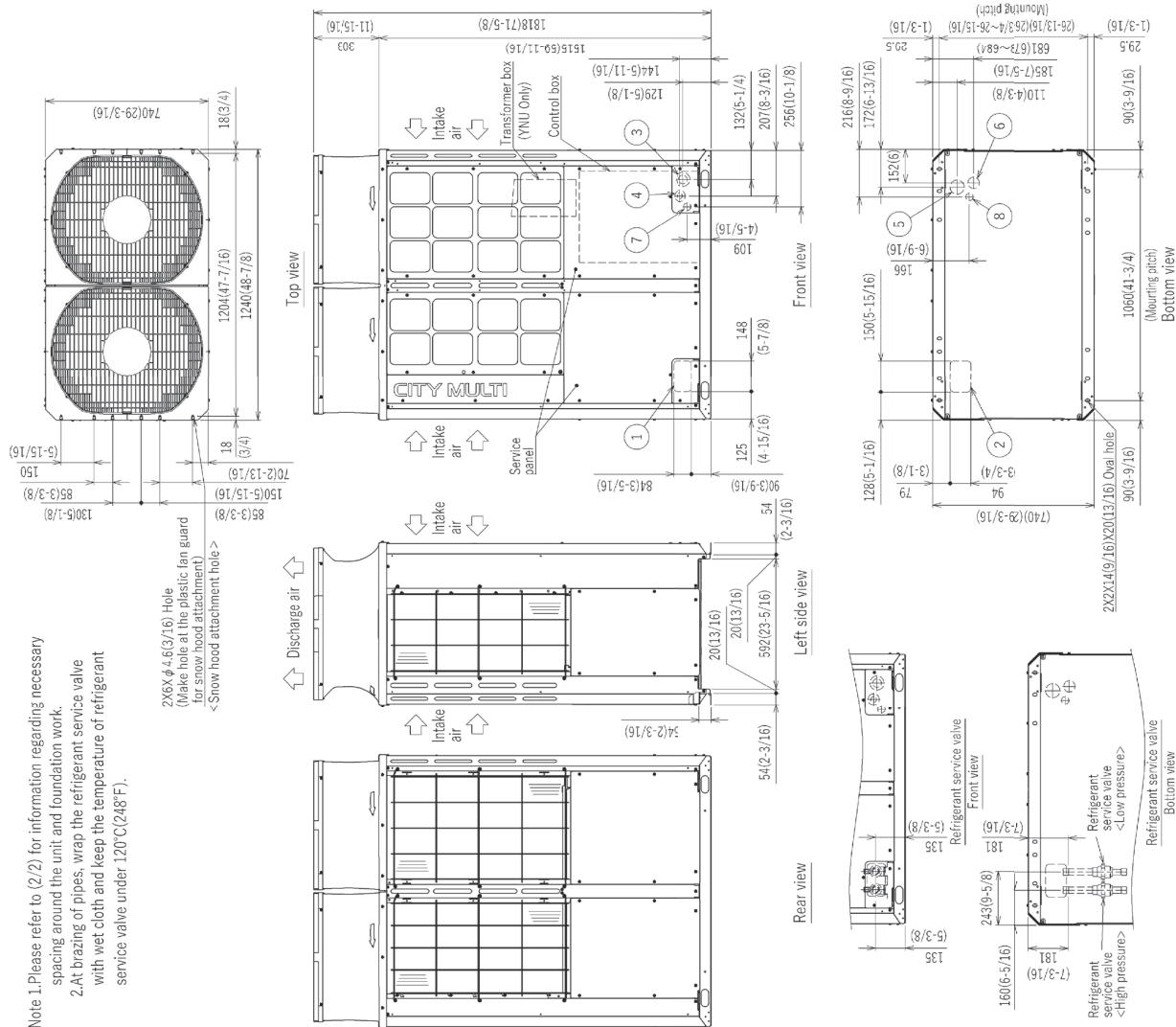
Unit: mm (in.)

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.

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



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).

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