

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P216TSNU-A

Seacoast (BS) Model PURY-P216TSNU-A-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-A (-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	
		BTU/h	206,000	
		kW	60.4	
		Power input	19.55	19.70
	(208-230)	Current input	60.2-54.5	60.7-54.9
		BTU/h	243,000	
		kW	71.2	
Heating capacity *2 (Nominal)		BTU/h	243,000	
		kW	71.2	
		Power input	19.05	
	(208-230)	Current input	58.7-53.1	
		BTU/h	232,000	
		kW	68	
		Power input	17.23	17.68
	(208-230)	Current input	53.1-48.0	54.5-49.3
		BTU/h	7/8 (22.2) Braze (1-1/8 (28.58) Braze for the part that exceeds 65m)	
		kW	1-1/8 (28.58) Braze	
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)	
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) Braze (1-1/8 (28.58) Braze for the part that exceeds 65m)	
	Low pressure	in. (mm)	1-1/8 (28.58) Braze	

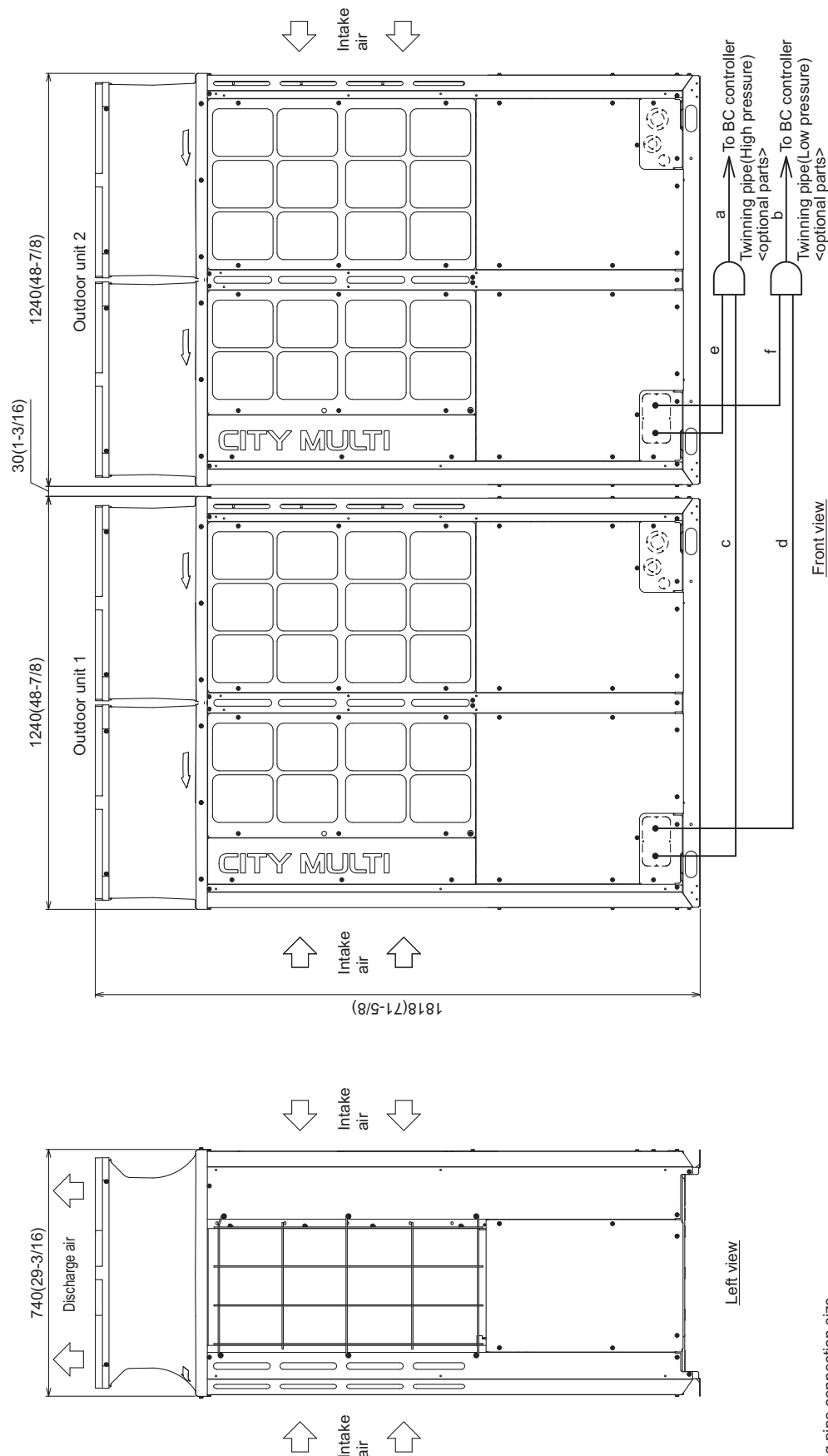
Set Model				
Model			PURY-P120TNU-A (-BS)	PURY-P96TNU-A (-BS)
Minimum Circuit Ampacity (*)		A	50-46	40-37
Maximum Overcurrent Protection (*)		A	80-70	60-50
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	8,300	7,400
		m³/min	235	210
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.46+0.46	0.46+0.46
*5 External static press.			0 in.WG (0 Pa)	0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x1	Inverter scroll hermetic compressor x1
	Starting method		Inverter	Inverter
	Motor output	kW	7.8	5.6
	Case heater	kW		
	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)	576 (261)
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	7/8 (22.2) 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-R201,202,203,204,306S-G, CMY-R302,303,304,305S-G1			
	Main BC controller: CMB-P108,1012,1016NU-JA1,CMB-P1016NU-KA1			
	Sub BC controller: CMB-P104,108NU-KB1			

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-A(-BS) - DIMENSIONS



Unit model	High pressure	Low pressure
	c or e	d or f
P96	ø19.05(3/4)	ø22.27(7/8)
P120	ø19.05(3/4)	ø28.58(1-1/8)
P144	ø22.27(7/8)	ø38.59(1-1/2)

Package unit name	PUR-Y-P192T-SNU-A(-BS)	PUR-Y-P216T-SNU-A(-BS)	PUR-Y-P240T-SNU-A(-BS)	PUR-Y-P264T-SNU-A(-BS)	PUR-Y-P288T-SNU-A(-BS)
Component unit 1	PUR-Y-P96T-TNU-A(-BS)	PUR-Y-P120T-TNU-A(-BS)	PUR-Y-P120T-TNU-A(-BS)	PUR-Y-P144T-TNU-A(-BS)	PUR-Y-P144T-TNU-A(-BS)
Outdoor unit 2	PUR-Y-P96T-TNU-A(-BS)	PUR-Y-P96T-TNU-A(-BS)	PUR-Y-P120T-TNU-A(-BS)	PUR-Y-P120T-TNU-A(-BS)	PUR-Y-P144T-TNU-A(-BS)
Outdoor Twinning kit(optional parts)		CMY-R200NCBK		CMY-R300NCBK	
High pressure a	ø22.2(7/8)	ø22.2(7/8)	ø28.58(1-1/8) *		
Low pressure b	ø28.58(1-1/8)	ø28.58(1-1/8)		ø28.58(1-1/8)	ø34.93(1-3/8)

* When the piping length is 65m(213ft) or longer, use the $\varnothing 258(1-1/8)$ 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 should not be tilted more than 15 degrees from the horizontal plane.
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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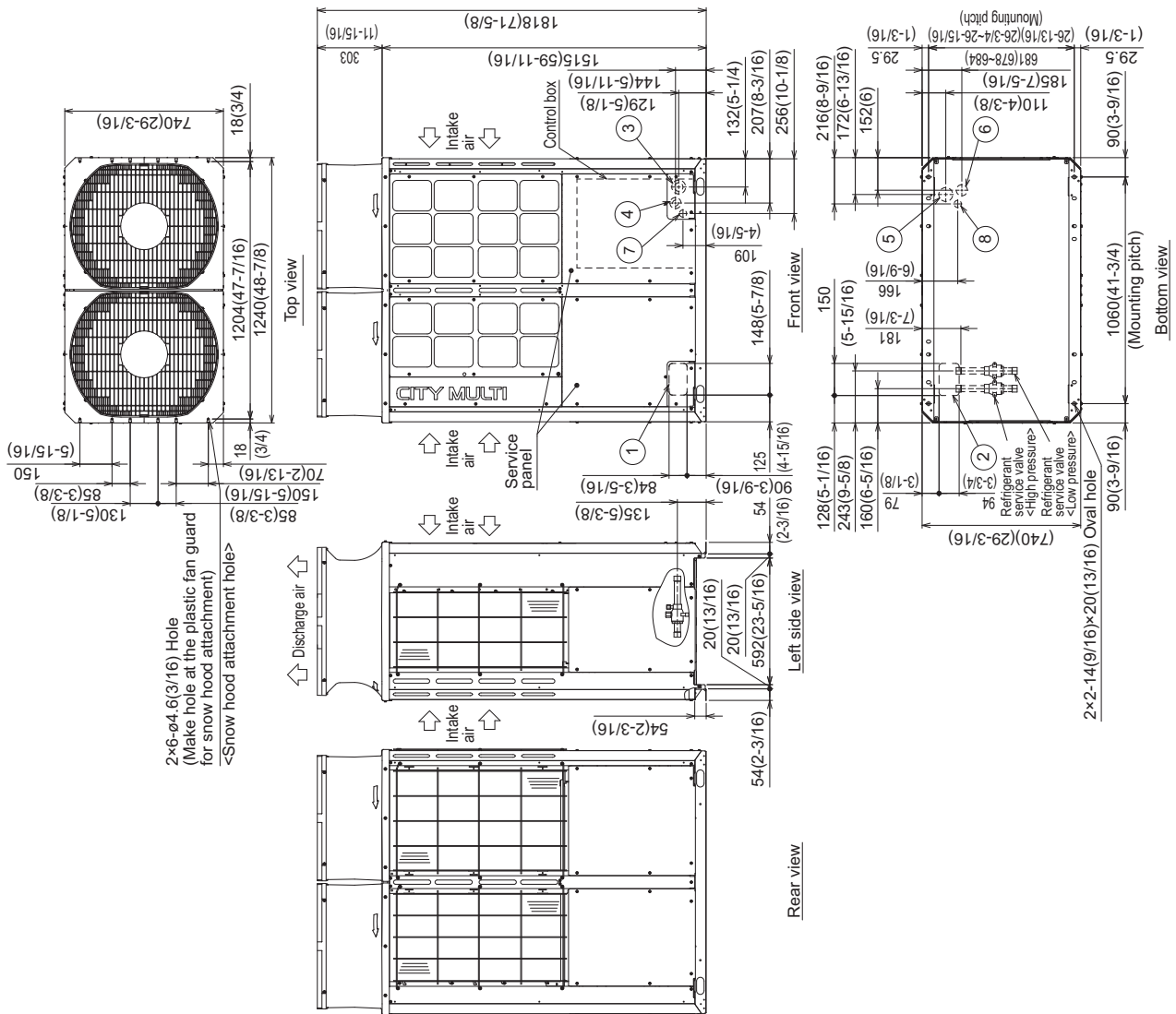
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.

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).

Model	Diameter			
	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
P96		ø27.2(76) Braze ¹⁾		
P120	ø19.0(34) Braze ¹⁾		ø23.5(61~118) Braze ¹⁾	ø28.5(81~118)
P144	ø22.7(76) Braze ¹⁾			

*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) × 84(3-5/16) Knockout hole
②		Bottom through hole 150(5-15/16) × 94(3-3/4) Knockout hole
③		Front through hole ø62.7(2-1/2) or ø34.5(1-3/8) Knockout hole
④	For wires	Front through hole ø43.7(1-3/4) or ø22.2(7/8) Knockout hole
⑤		Bottom through hole ø65(2-9/16) Knockout hole
⑥		Bottom through hole ø52(2-1/16) Knockout hole
⑦	For transmission cables	Front through hole ø34(1-3/8) Knockout hole
⑧		Bottom through hole ø24(1-1/8) Knockout hole



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