

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P288TSNU-A

Seacoast (BS) Model PURY-P288TSNU-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.

Outdoor Model				PURY-P288TSNU-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	288,000			
			kW	84.4			
(208-230)			Power input	26.47			
			Current input	81.6-73.8			
(Rated)			BTU/h	276,000			
			kW	80.9			
(208-230)			Power input	29.07	28.99		
			Current input	89.6-81.0	89.4-80.8		
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	323,000			
			kW	94.7			
(208-230)			Power input	27.65			
			Current input	85.2-77.1			
(Rated)			BTU/h	304,000			
			kW	89.1			
(208-230)			Power input	25.30	25.52		
			Current input	78.0-70.5	78.7-71.1		
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>		88.5/88.5	
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-A (-BS)	PURY-P144TNU-A (-BS)
Minimum Circuit Ampacity (*)		A	60-55
Maximum Overcurrent Protection (*)		A	100-90
FAN	Type x Quantity	Propeller fan x 2	
	Airflow rate	cfm	9,550
		m3/min	270
	Control, Driving mechanism	Inverter-control, Brushless DC motor	
	Motor output	kW	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	
	Starting method	Inverter	
	Motor output	kW	9.9
	Case heater	-	
	Lubricant	MEL32	
	External finish	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)	
	Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection	
	Fan motor	-	
Refrigerant	Type x original charge	R410A x 23 lbs + 12 oz (10.8 kg)	
	Control	Indoor LEV and BC controller	
Net weight		lbs (kg)	646 (293)
Heat exchanger		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) Braze
	Low pressure	in. (mm)	1-1/8 (28.58) Braze
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-JA1, CMB-P1016NU-KA1 Sub BC controller: CMB-P104, 108NU-KB1	

Notes:

1. Nominal cooling conditions (Test conditions are based on AHR11230)
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 AHR11230)
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. 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).

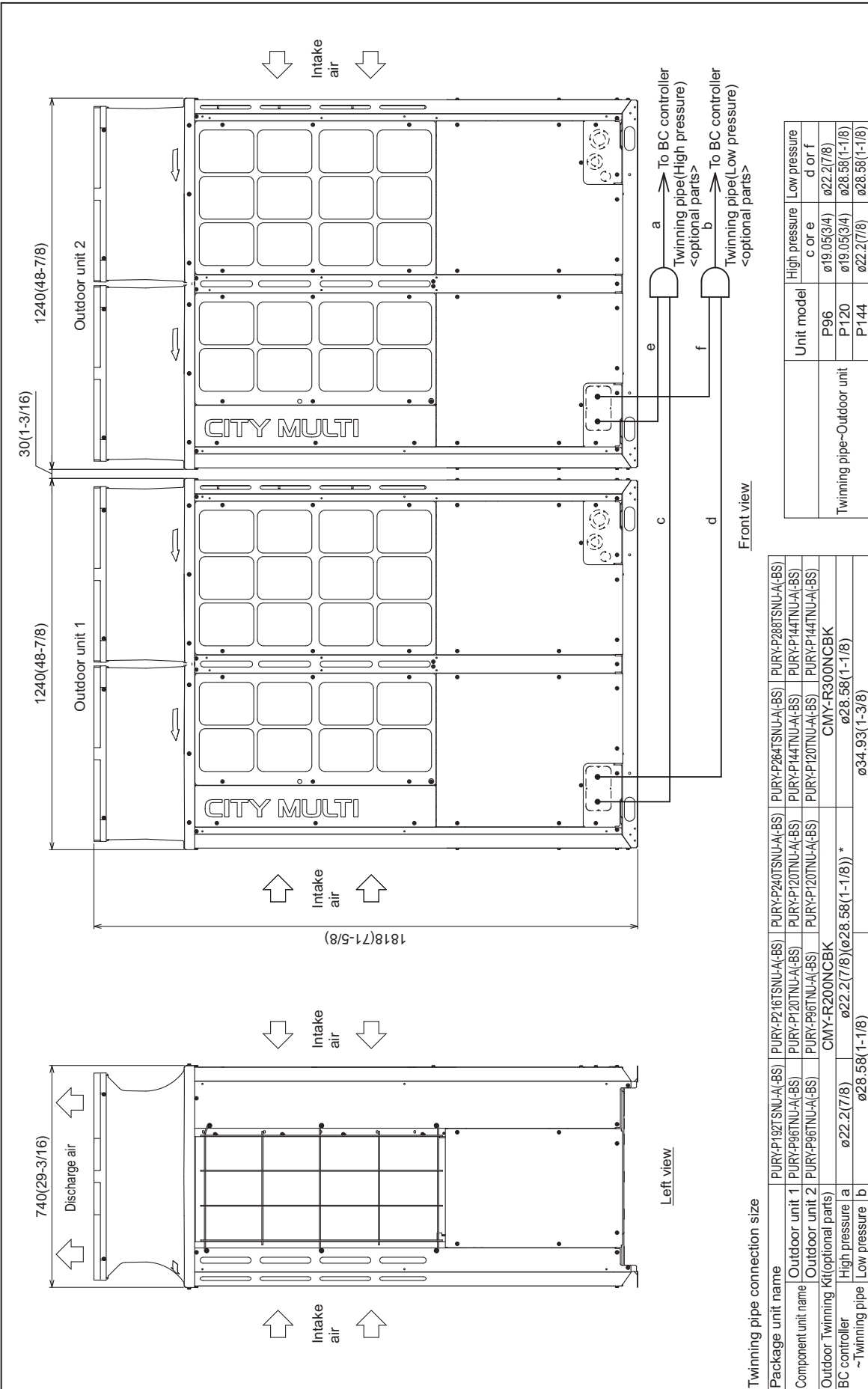
* Due to continuing improvement, above specifications may be subject to change without notice.

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-P288TSNU-A(-BS) - DIMENSIONS



Unit: mm (in.)

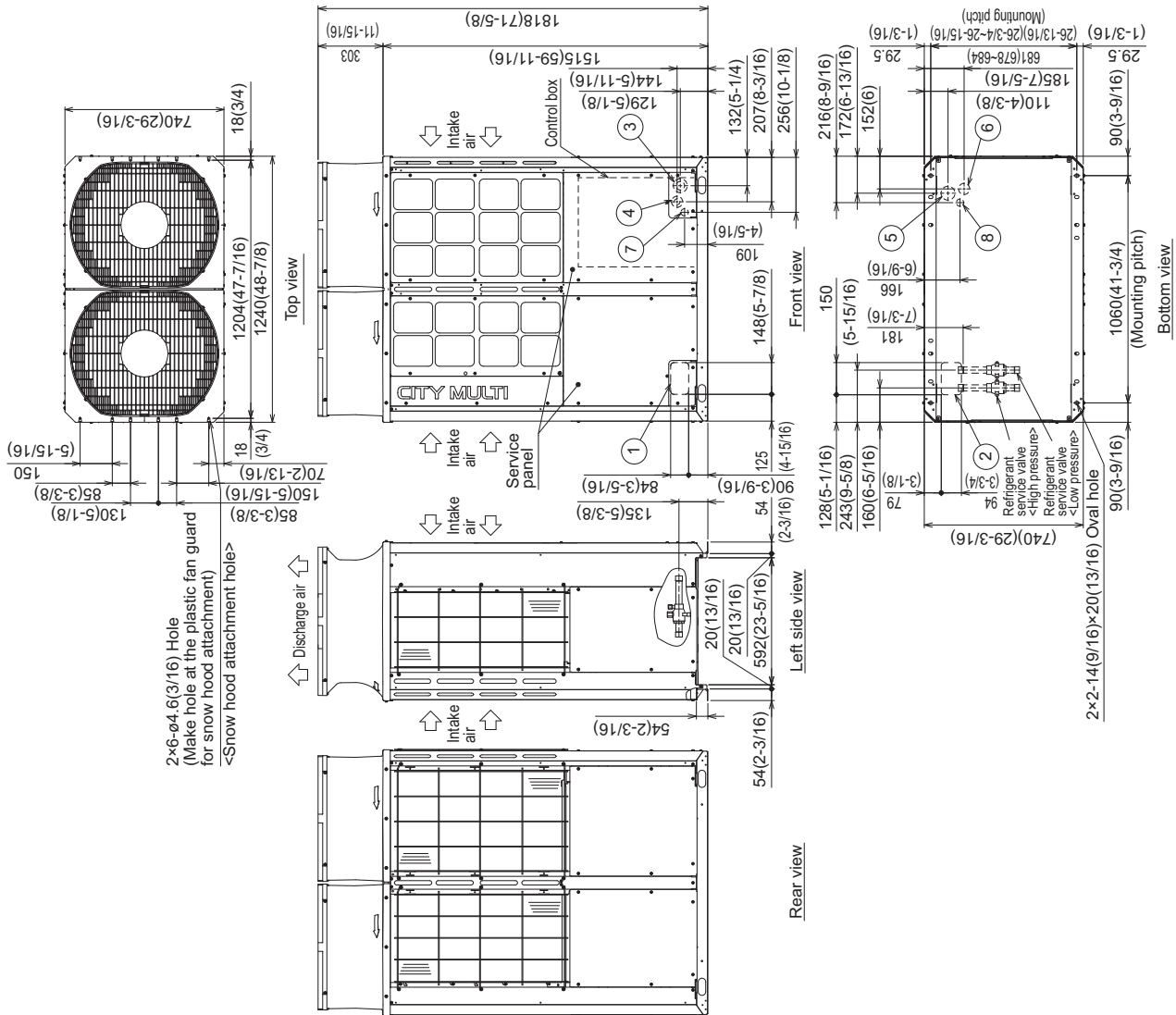
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Module: PURY-P144TNU-A(-BS) - DIMENSIONS

Unit: mm (in.)

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).



Connecting pipe specifications

Model	Refrigerant pipe			Diameter	
	High pressure	Low pressure	Brazed*1	High pressure	Low pressure
P96	ø19.05(3/4)	Brazed*1	ø22.2(7/8)	ø23.5(1-1/8)	ø28.5(1-1/8)
P120	ø19.05(3/4)	Brazed*1	ø22.2(7/8)	ø23.5(1-1/8)	ø28.5(1-1/8)
P144	ø19.05(3/4)	Brazed*1	ø22.2(7/8)	ø23.5(1-1/8)	ø28.5(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	ø62.7(2-1/2) or ø34.5(1-3/8) Knockout hole
④	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	Front through hole	ø34(1-3/8) Knockout hole
⑧	Bottom through hole	ø34(1-3/8) Knockout hole

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