

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-P240TSNU-A

Seacoast (BS) Model PURY-P240TSNU-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-P240TSNU-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	240,000	
		kW	70.3	
		Power input	20.08	
	(208-230)	Current input	61.9-56.0	
		BTU/h	230,000	
		kW	67.4	
	(Rated)	Power input	22.93	22.68
		Current input	70.7-63.9	69.9-63.2
		BTU/h	270,000	
		kW	79.1	
Heating capacity *2 (Nominal)		BTU/h	270,000	
		kW	79.1	
		Power input	22.45	
	(208-230)	Current input	69.2-62.6	
		BTU/h	258,000	
		kW	75.6	
	(Rated)	Power input	20.64	20.58
		Current input	63.6-57.5	63.4-57.4
		BTU/h	270,000	
		kW	79.1	
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>	
			83.0/83.5	
Refrigerant	High pressure	in. (mm)	7/8 (22.2) Braze (1-1/8 (28.58) Braze for the part that exceeds 65 m)	
	Low pressure	in. (mm)	1-3/8 (34.93) Braze	

Set Model

Model			PURY-P120TNU-A (-BS)	PURY-P120TNU-A (-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
Compressor	*5 External static press.		0 in.WG (0 Pa)	0 in.WG (0 Pa)
	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			
	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-JA1,CMB-P1016NU-KA1			
	Sub BC controller: CMB-P104,108NU-KB1			

Notes:

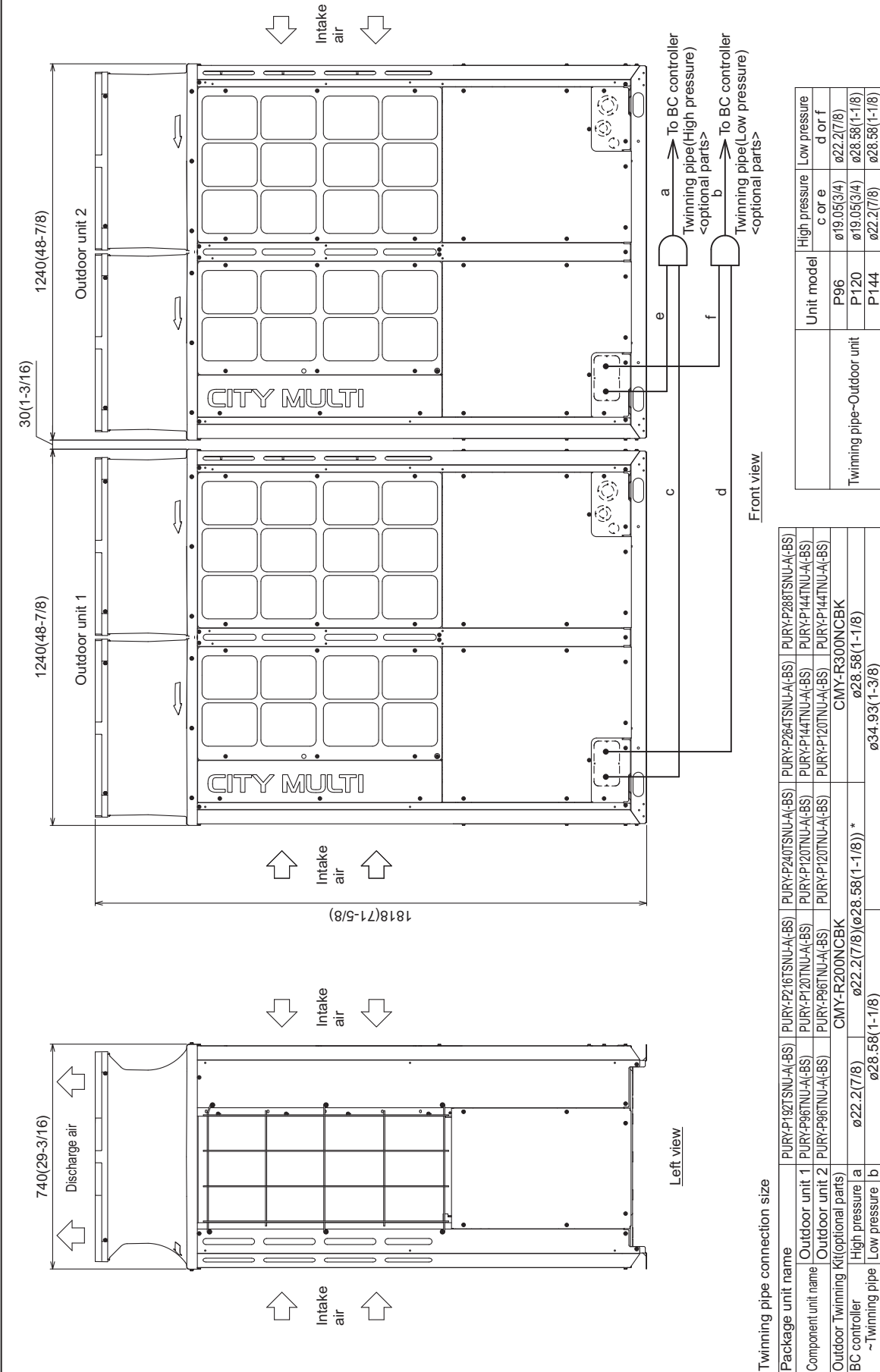
- Nominal cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F DB, 67°F WB, 26.7" CD B, 19.4" CW B, Outdoor: 95°F DB, 35" CD B, 1230
- Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F DB, 21.1" CD B, Outdoor: 47°F DB, 43°F WB, 8.3" CD B, 6.1" CW B
- 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.
- Cooling mode/Heating mode
- 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.

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

Module: PURY-P240TSNU-A(-BS) - DIMENSIONS



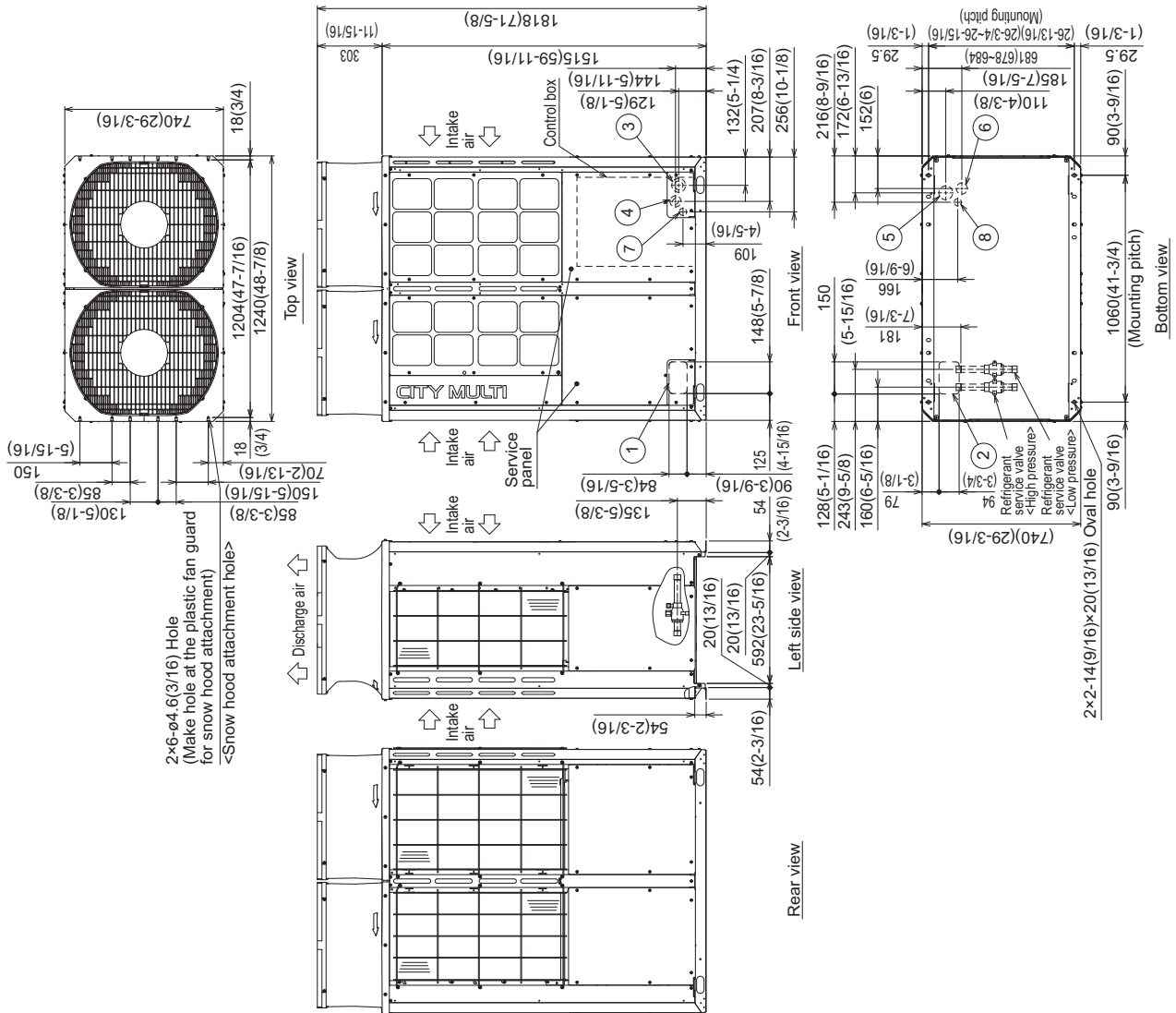
Specifications are subject to change without notice.

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

Module: PURY-P120TNU-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	Low pressure	High pressure	Service valve
P96	ø19.05(3/4) Brazer*1	ø22.2(7/8) Brazer*1	ø22.2(7/8) Brazer*1	ø23.5(1-1/8)	Low pressure
P120	ø19.05(3/4) Brazer*1	ø22.2(7/8) Brazer*1	ø22.2(7/8) Brazer*1	ø23.5(1-1/8)	Low pressure
P144	ø19.05(3/4) Brazer*1	ø22.2(7/8) Brazer*1	ø22.2(7/8) Brazer*1	ø23.5(1-1/8)	Low pressure

*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

Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.