

Job Name:

Schedule Reference:

Date:



UNIT OPTION

Standard Model PURY-P120TNU-A

Seacoast (BS) Model PURY-P120TNU-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 seperate submittal)

Panel Heater - (PAC-PH02EHYU-E) (x1)

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-P120TNU-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		120,000			
			kW		35.2			
			Power input		kW		8.82	
		(208-230)	Current input		A		27.2-24.6	
		(Rated)		BTU/h		115,000		
				kW		33.7		
			Power input		kW		10.82	10.91
		(208-230)	Current input		A		33.3-30.1	33.6-30.4
		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		135,000			
			kW		39.6			
			Power input		kW		10.07	
		(208-230)	Current input		A		31.0-28.0	
		(Rated)		BTU/h		129,000		
				kW		37.8		
			Power input		kW		9.01	9.50
		(208-230)	Current input		A		27.7-25.1	29.2-26.4
		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~P96/1~30				
Sound power level (measured in anechoic room) *4		dB <A>	80.0/80.5					
Refrigerant		High pressure	in. (mm)	3/4 (19.05) Brazed				
piping diameter		Low pressure	in. (mm)	1-1/8 (28.58) Brazed				
Minimum Circuit Ampacity (*)		A		50-46				
Maximum Overcurrent Protection (*)		A		80-70				
FAN		Type x Quantity		Propeller fan x 2				
		Airflow rate		cfm		8,300		
				m3/min		235		
		Control, Driving mechanism		Inverter-control, Brushless DC motor				
		Motor output		kW		0.46+0.46		
*5 External static press.				0 in.WG (0 Pa)				
Compressor		Type x Quantity		Inverter scroll hermetic compressor x 1				
		Starting method		Inverter				
		Motor output		kW		7.8		
		Case heater		kW				
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					
		mm	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 17 lbs + 10 oz (8.0 kg)				
		Control		Indoor LEV and BC controller				
Net weight		lbs (kg)	598 (271)					
Heat exchanger			Salt-resistant cross fin & copper tube					
HIC circuit (HIC: Heat Inter-Changer)			-					
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)					
Optional parts	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1							
	CMY-R201,202,203,301,306S-G,CMY-R302,303,304,305S-G1							
	BC controller: CMB-P104,106,108,1012,1016NU-J1							
	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 AHRI 1230)

Indoor: 80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.), Outdoor: 95°F D.B./67°F W.B. (35.0°C D.B./19.4°C W.B.)

2. Nominal heating conditions (Test conditions are based on AHRI 1230)

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.).

13. 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

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5. External static pressure is available (0.12 III.WG, 0.24 III.WG, 0.32 III.WG/30 Pa, 60 Pa,

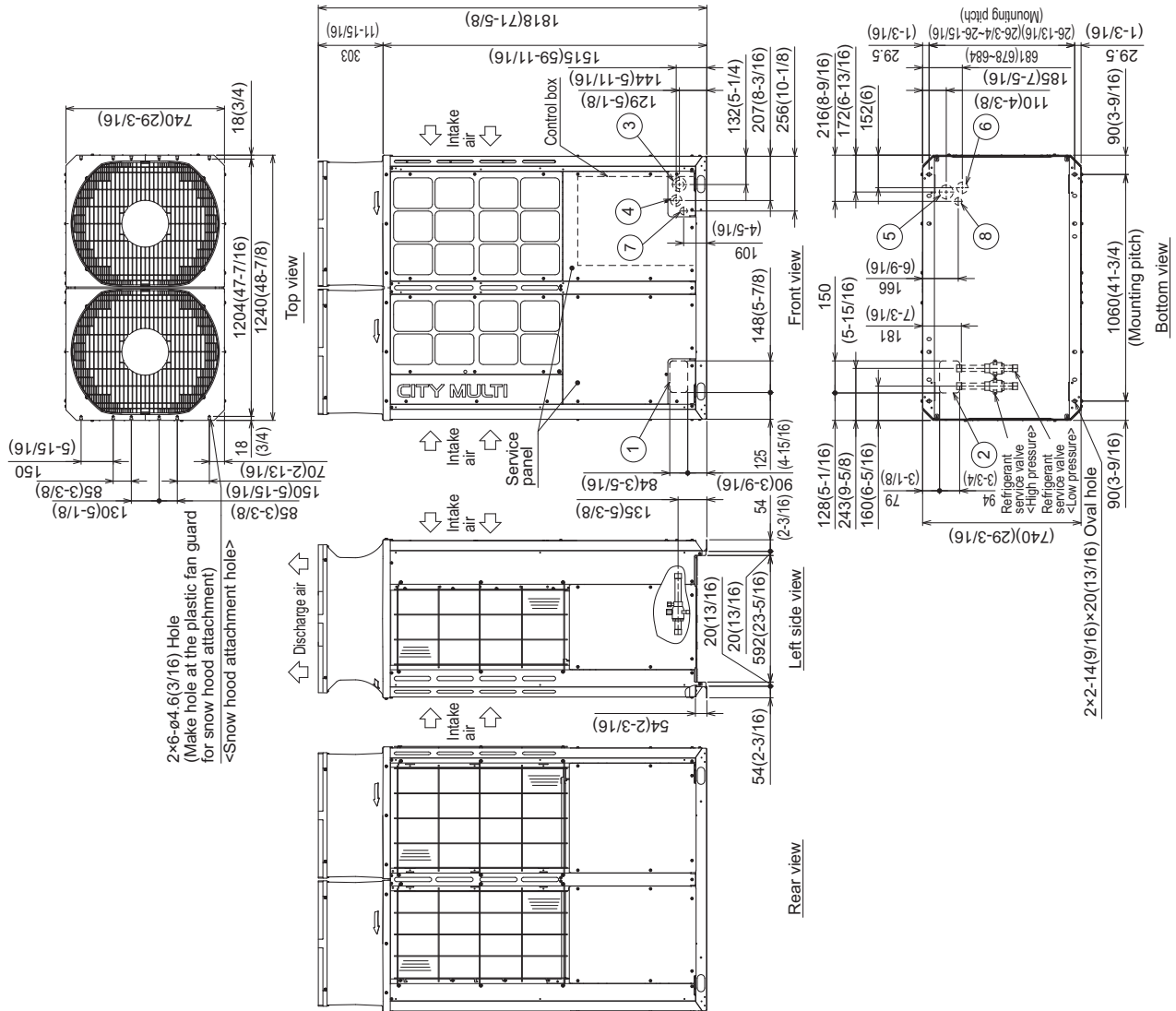
Due to continuing improvement, above specifications may be subject to change without notice.

Specifications are subject to change without notice.

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	High pressure	Service valve
P96	ø19.05(3/4) Brazed *1	ø22.7(7/8) Brazed *1	ø28.3(1-1/8)	Low pressure
P120	ø19.05(3/4) Brazed *1	ø22.7(7/8) Brazed *1	ø28.3(1-1/8)	Low pressure
P144	ø22.7(7/8) Brazed *1	ø28.3(1-1/8) Brazed *1	ø34.3(1-3/8)	Low pressure

*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) 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 ø22.7(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 ø34(1-3/8) Knockout hole

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