CITY MULTI® Model: PURY-HP120TNU-A

Job Name:

Schedule Reference: | Date:

Minimum Operating Temperature
Heating (Outdoor): -25°F (-32°C) WB
Below -22°F (-30°C) WB, an auxiliary heating source is highly recommended.

ACCESSORIES

☐ Snow/Wind Guards - (See seperate submittal)

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-HP120TNU-A	
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	10.40	10.45
	(208-230)	Current input	A	32.0-29.0	32.2-29.1
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		Indoor	D.B.	59~81°F (15~27°C)	
		Outdoor	W.B.	-22~60°F (-30~15.5°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) *3			dB <A>	84.5/85.5	
Refrigerant piping diameter		High pressure	in. (mm)	3/4 (19.05) Brazed	
		Low pressure	in. (mm)	1-1/8 (28.58) Brazed	
Minimum Circuit Ampacity (*)			A	66-60	
Maximum Overcurrent Protection (*)			A	110-100	
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	
	*4	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		MEL46EH	
External finish				Pre-coated galvanized steel sheet <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 23 lbs + 12 oz (10.8 kg)	
		Control		Indoor LEV and BC controller	
Net weight			lbs (kg)	662 (300)	
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°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
2.Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
3.Cooling mode/Heating mode
4.External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

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-HP120TNU-A - DIMENSIONS

Unit: mm (in.)

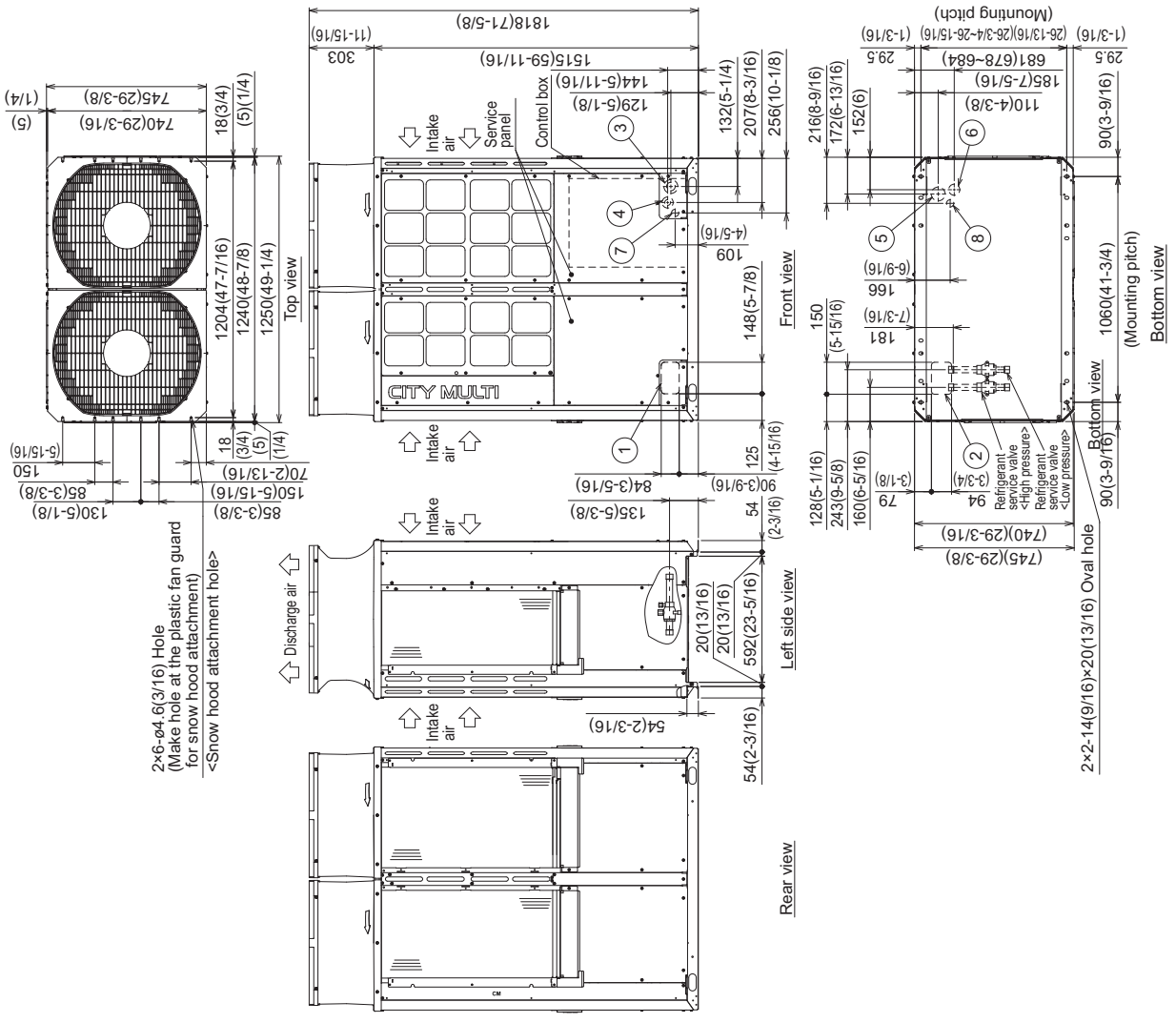
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
HP72	ø15.88(5/8) Brazed *1	ø19.05(3/4) Brazed *1	ø28.58(1-1/8)	ø28.58(1-1/8)
HP96		ø22.2(7/8) Brazed *1		
HP120	ø19.05(3/4) Brazed *1	ø28.58(1-1/8) Brazed		

*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	For wires	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	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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Heating and Cooling