

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 separate 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.

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. (35°C D.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.)
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.

Outdoor Model				PURY-HP96TNU-A						
Indoor Model				Non-Ducted		Ducted				
Power source				3-phase 3-wire 208-230 V ±10% 60 Hz						
Cooling capacity *1 (Nominal)			BTU/h		96,000					
			kW		28.1					
			Power input		kW			6.5		
					A			20.0-18.1		
			(208-230)		BTU/h		92,000			
					kW		27.0			
			(Rated)		Power input		kW		7.35	7.45
					Current input		A		22.6-20.5	22.9-20.7
(208-230)			Current input		A		22.6-20.5	22.9-20.7		
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		108,000					
			kW		31.7					
			Power input		kW			7.58		
					A			23.3-21.1		
			(208-230)		BTU/h		103,000			
					kW		30.2			
			(Rated)		Power input		kW		6.93	7.02
					Current input		A		21.3-19.3	21.6-19.5
(208-230)			Current input		A		21.3-19.3	21.6-19.5		
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~P96/1~24					
Sound power level (measured in anechoic room) *3				dB <A>		79.0/80.0				
Refrigerant			High pressure		in. (mm)		3/4 (19.05) Brazed			
piping diameter			Low pressure		in. (mm)		7/8 (22.2) Brazed			
Minimum Circuit Ampacity (*)			A		66-60					
Maximum Overcurrent Protection (*)			A		110-100					
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			
			*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		5.6			
			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)				-						
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								

* All electrical work shall comply with National (CEC) and local codes and regulations.

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Module: PURY-HP96TNU-A - DIMENSIONS

Unit: mm (in.)

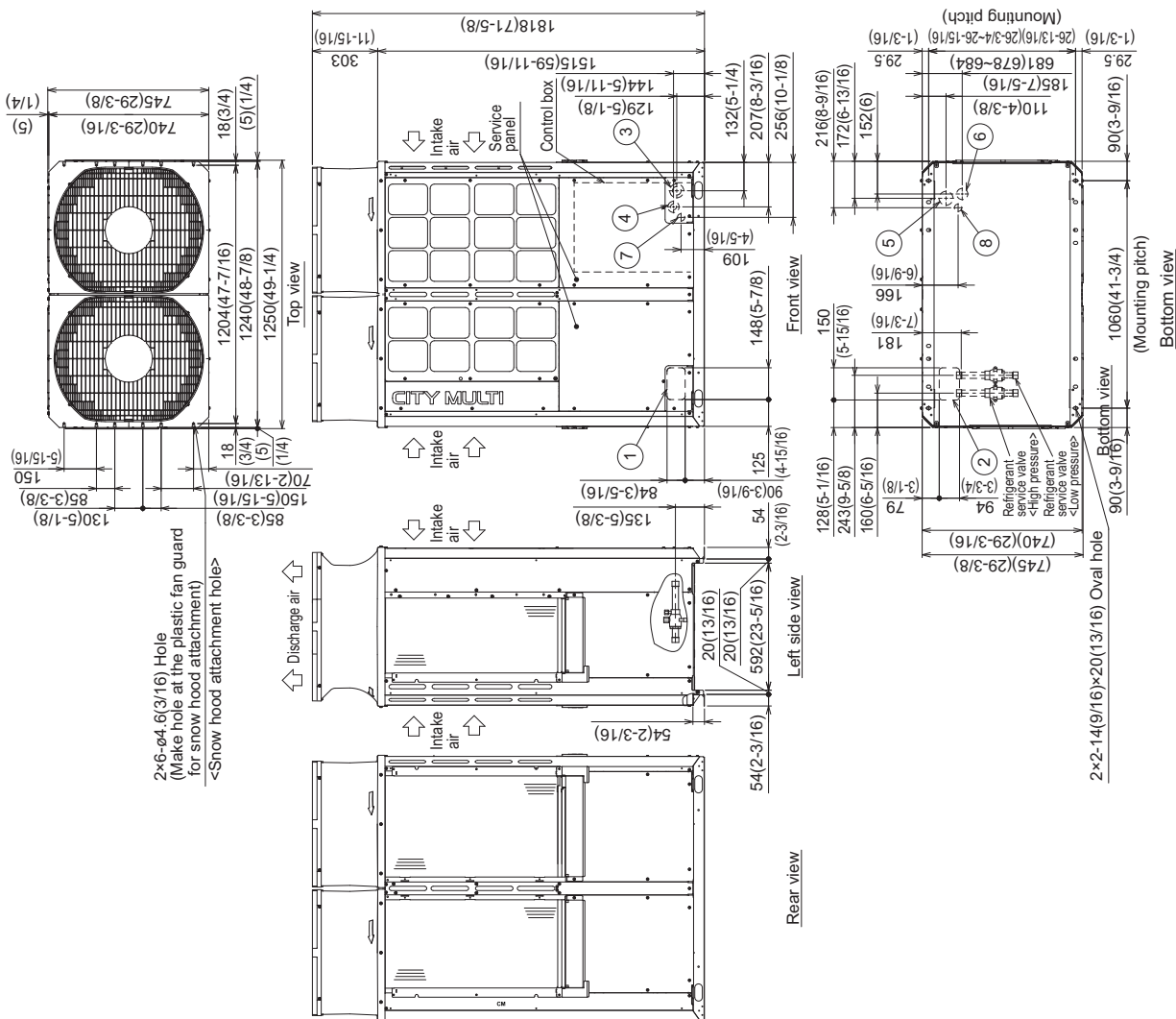
- Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

Connecting pipe specifications

Model	Refrigerant pipe		Diameter	
	High pressure	Low pressure	High pressure	Low pressure
HP72	ø13.5(3/8) Brazed*1	ø19.0(3/4) Brazed*1	ø28.5(1-1/8)	ø28.5(1-1/8)
HP96	ø19.0(3/4) Brazed*1	ø22.7(7/8) Brazed*1	ø28.5(1-1/8)	ø28.5(1-1/8)
HP120	ø19.0(3/4) Brazed*1	ø28.5(1-1/8) Brazed	ø28.5(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	
		Front through hole	Bottom through hole
①	For pipes	148(5-7/8) × 84(3-5/16) Knockout hole	150(5-15/16) × 94(3-3/4) Knockout hole
②		150(5-15/16) × 84(3-5/16) Knockout 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	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	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	Bottom through hole ø65(2-9/16) Knockout hole
⑥		Bottom through hole ø52(2-1/16) Knockout hole	Bottom through hole ø52(2-1/16) Knockout hole
⑦	For transmission cables	Front through hole ø34(1-3/8) Knockout hole	Front through hole ø34(1-3/8) Knockout hole
⑧		Bottom through hole ø34(1-3/8) Knockout hole	Bottom through hole ø34(1-3/8) Knockout hole



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