

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.

Outdoor Model				PUHY-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		6.23					
			(208-230) Current input		19.2-17.3					
			(Rated)		BTU/h		92,000			
					kW		27			
			Power input		7.25		7.19			
			(208-230) Current input		22.3-20.2		22.1-20.0			
			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		7.33					
			(208-230) Current input		22.6-20.4					
			(Rated)		BTU/h		103,000			
					kW		30.2			
			Power input		6.65		6.86			
			(208-230) Current input		A		20.5-18.5		21.1-19.1	
			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		50~130% of outdoor unit capacity					
			Model/Quantity		P04~P96/1~24					
Sound power level (measured in anechoic room) *3				dB <A>		76.0/77.5				
Refrigerant piping diameter			Liquid pipe		in. (mm)			3/8 (9.52) Brazed (1/2 (12.7) Brazed, the farthest pipe length >= 90 m)		
			Gas pipe		in. (mm)			7/8 (22.2) Brazed		
Minimum Circuit Ampacity (*)				A		63-57				
Maximum Overcurrent Protection (*)				A		100-90				
FAN			Type x Quantity		Propeller fan x 2					
			Airflow rate		cfm		7,400			
					m3/min		210			
			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		4.5 x 1			
			Case heater		kW		-			
			Lubricant		MEL46					
External finish				Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>						
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-current protection					
			Fan motor		-					
Refrigerant			Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)					
			Control		LEV and HIC circuit					
Net weight				lbs (kg)		653 (296)				
Heat exchanger				Salt-resistant cross fin & copper tube						
HIC circuit (HIC: Heat Inter-Changer)				Copper pipe, tube-in-tube structure						
Defrosting method				Auto-defrost mode (Reversed refrigerant cycle)						
Optional parts				Joint: CMY-Y102SS/102LS-G2 Header: CMY-Y104/108/1010C-G						

Notes:

- 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.)
- 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.)
- 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).

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: PUHY-HP96TNU-A-TH - 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	
	Liquid	Gas	Liquid	Gas
HP72	ø5.52(3/8) Brazed *1	ø22.2(7/8) Brazed *1	ø12.7(1/2)	ø28.58(1-1/8)
HP96	ø5.52(3/8) Brazed *1, *3	ø22.2(7/8) Brazed *1, *3	ø12.7(1/2)	ø28.58(1-1/8)
HP120	ø5.52(3/8) Brazed *1, *2, *4	ø22.2(7/8) Brazed *1, *2, *4	ø12.7(1/2)	ø28.58(1-1/8)

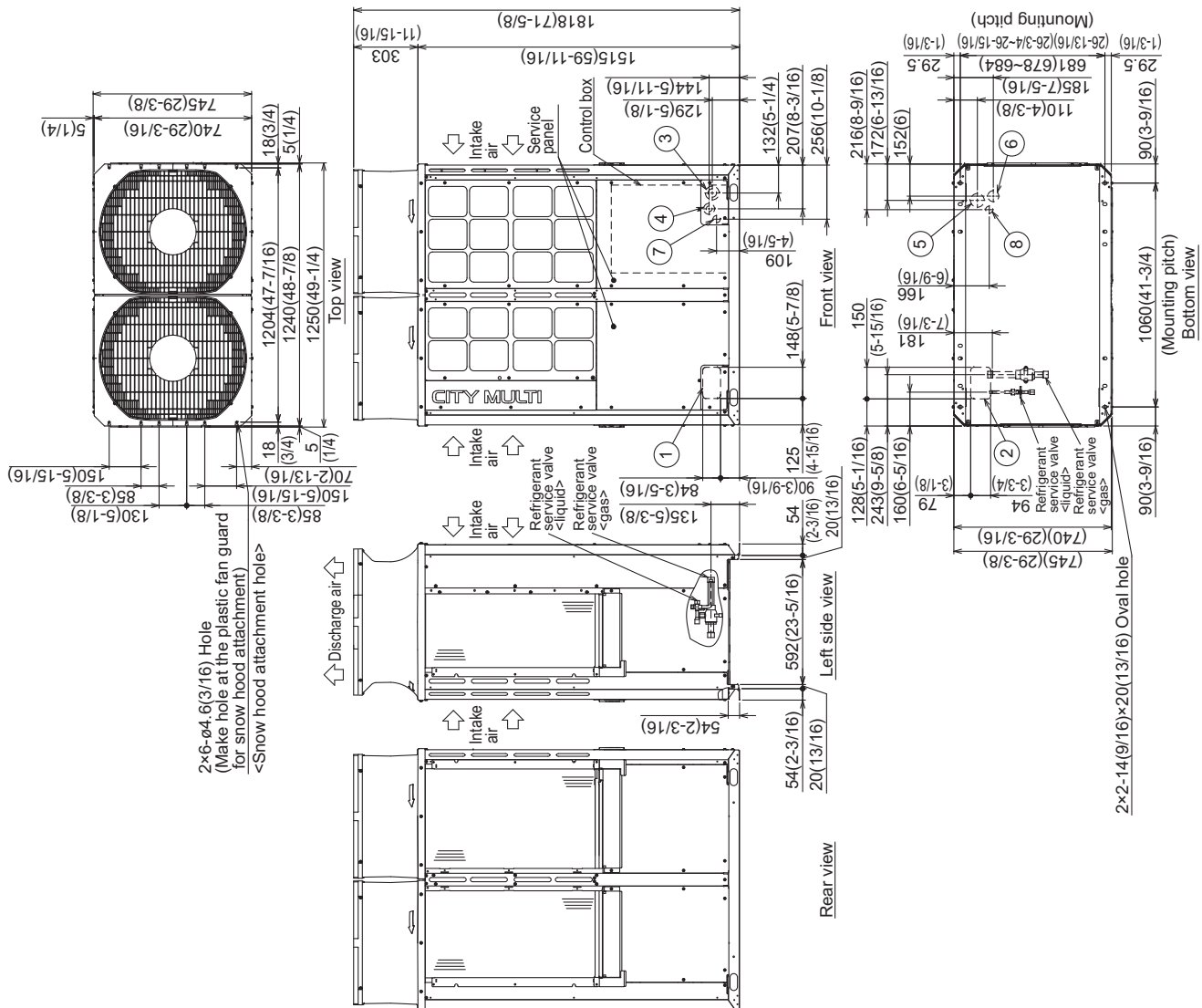
*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.

*2 Indicates dimensions and connection specifications in the case the unit is used in combination with other outdoor units.

*3 Furthest piping length (OU from IU) ≥ 90m

*4 Furthest piping length (OU from IU) ≥ 40m

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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