

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		
	(208-230)	Power input	kW	6.23	
		Current input	A	19.2-17.3	
	(Rated)		BTU/h	92,000	
			kW	27	
(208-230)	Power input	kW	5.71	5.82	
	Current input	A	17.6-15.9	17.9-16.2	
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		
	(208-230)	Power input	kW	7.33	
		Current input	A	22.6-20.4	
	(Rated)		BTU/h	103,000	
			kW	30.2	
(208-230)	Power input	kW	6.65	6.92	
	Current input	A	20.5-18.5	21.3-19.3	
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	P05~P96/1~20			
Sound pressure level (measured in anechoic room) *3	dB <A>	56.0/58.5			
Sound power level (measured in anechoic room) *3	dB <A>	75.0/77.5			
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	43-40			
Maximum Overcurrent Protection (*)	A	70-60			
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		
External static press. *4	0 in.WG (0 Pa)				
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1			
	Manufacture	MITSUBISHI ELECTRIC			
	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 49-1/4 x 29-3/8			
	mm	1,818 x 1,250 x 745			
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 (NEC) 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: 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	Gas	Service valve
HP72	ø9.52(3/8) Brazed *1	ø22.2(7/8) Brazed *1	ø12.7(1/2)	ø28.58(1-1/8)
HP96	ø9.52(3/8) Brazed *1	ø22.2(7/8) Brazed *1, *3	ø12.7(1/2)	ø28.58(1-1/8)
HP120	ø9.52(3/8) Brazed *1, *2, *4	ø28.58(1-1/8) Brazed *1, *2, *4	ø12.7(1/2)	ø28.58(1-1/8)

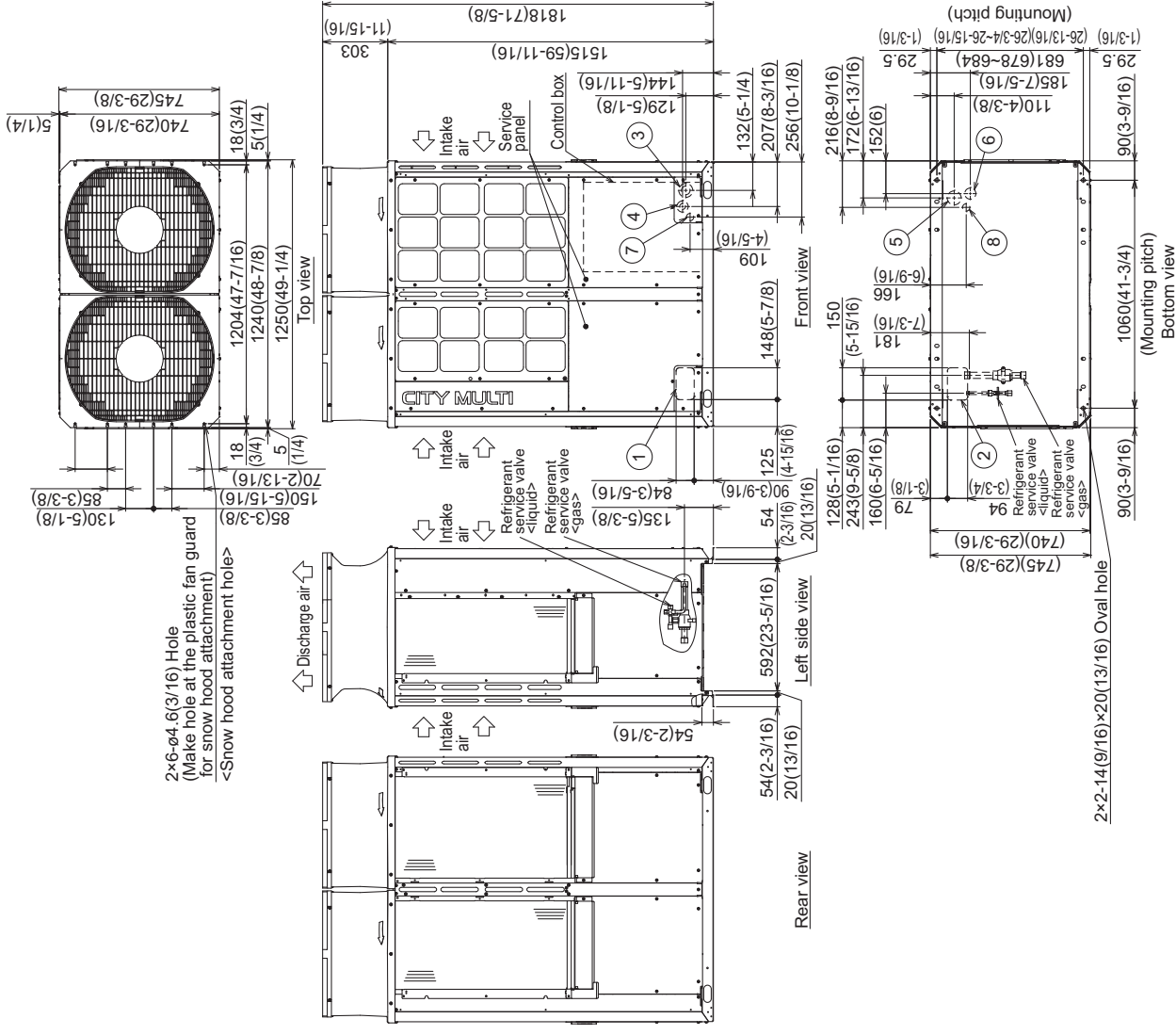
*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.

*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	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 pipes	Front through hole ø62.7(2-1/2) or ø34.5(1-3/8) Knockout hole
④	For wires	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	ø62(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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