

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-A1	
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	
		BTU/h	92,000	
		kW	27.0	
	(Rated)	Power input	7.25	7.19
		Current input	22.3-20.2	22.1-20.0
		BTU/h	108,000	
		kW	31.7	
Heating capacity *2 (Nominal)		BTU/h	108,000	
		kW	31.7	
		Power input	7.33	
	(208-230)	Current input	22.6-20.4	
		BTU/h	103,000	
		kW	30.2	
	(Rated)	Power input	6.65	6.86
		Current input	20.5-18.5	21.1-19.1
		BTU/h	103,000	
		kW	30.2	
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)	
	Outdoor	D.B.	23~126°F (-5~52°C)	
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			76.0/77.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/8 (9.52) Braze (1/2 (12.7) Braze, the farthest pipe length >= 90 m)	
	Gas pipe	in. (mm)	7/8 (22.2) Braze	
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	0.045	
	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-A1 - DIMENSIONS

Unit: mm (in.)

Connecting pipe specifications

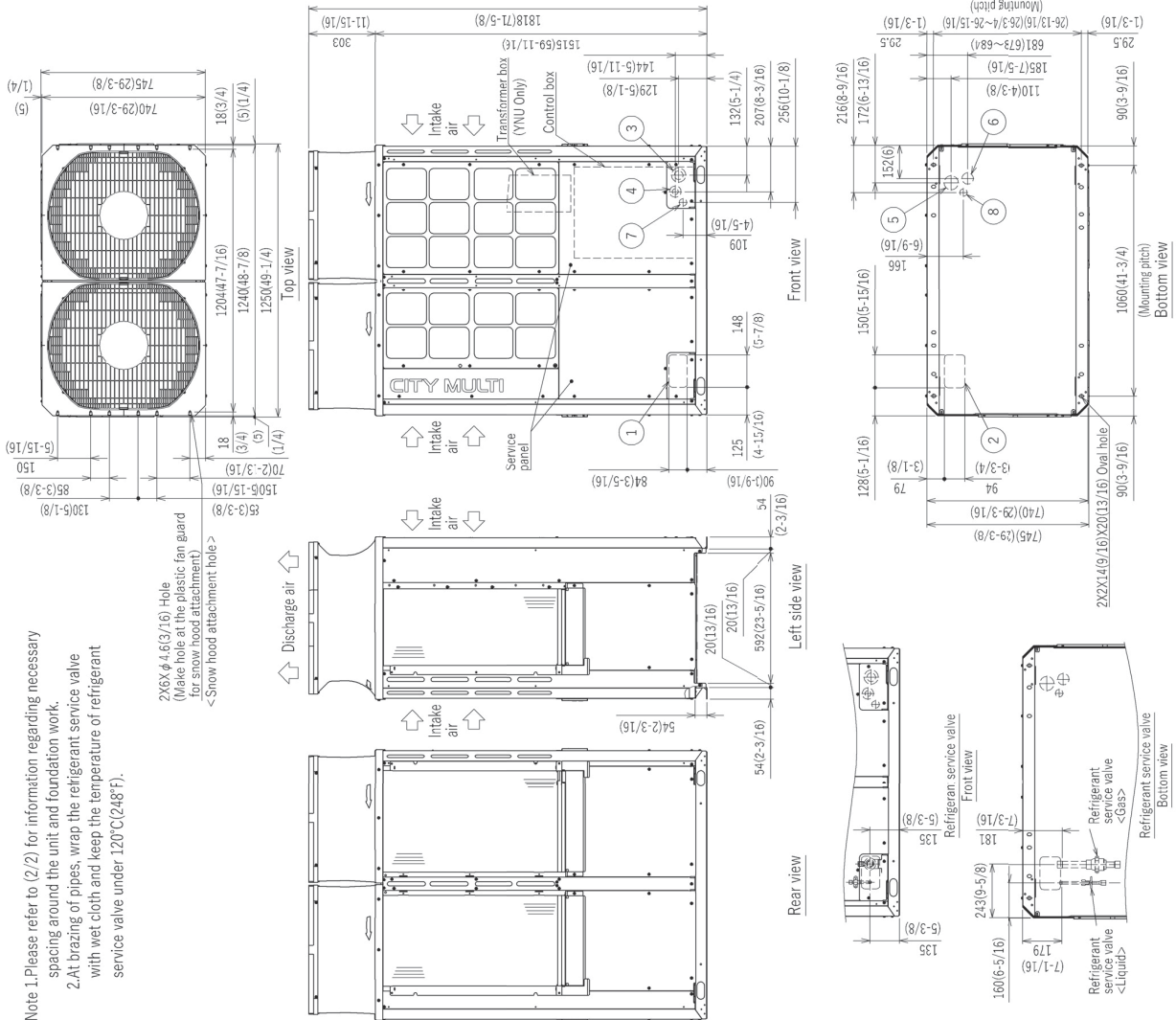
Model	Diameter			
	Refrigerant pipe *1		Service valve	
	Liquid	Gas	Liquid	Gas
HP72	φ9.52(3/8)	φ22.2(7/8)	φ12.7(1/2)	φ28.58(1-1/8)
HP96	φ9.52(3/8)	φ22.2(7/8)	φ12.7(1/2)	φ28.58(1-1/8)
HP96	φ12.7(1/2)	φ22.2(7/8)	φ12.7(1/2)	φ28.58(1-1/8)
HP120	φ9.52(3/8)	φ28.58(1-1/8)	φ12.7(1/2)	φ28.58(1-1/8)
HP120	φ12.7(1/2)	φ28.58(1-1/8)	φ12.7(1/2)	φ28.58(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 (295ft)

*4 Furthest piping length (OU from IU) ≧ 40m (131ft)



No.	Usage	Specifications
①	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	φ62.7(2-1/2) or φ34.5(1-3/8) Knockout hole
④	Front through hole	φ43.7(1-3/4) or φ22.7(7/8) Knockout hole
⑤	Bottom through hole	φ65(2-9/16) Knockout hole
⑥	Bottom through hole	φ52(2-1/16) Knockout hole
⑦	Front through hole	φ34(1-3/8) Knockout hole
⑧	Bottom through hole	φ34(1-3/8) Knockout hole

Note 1. Please refer to (2/2) 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).

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