

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-A1		
Indoor Model			Non-Ducted	Ducted	
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz		
Cooling capacity *1 (Nominal)	(208-230)	BTU/h	96,000		
		kW	28.1		
		Power input	kW	6.5	
		Current input	A	20.0-18.1	
	(Rated)	BTU/h	92,000		
		kW	27.0		
		Power input	kW	7.35	7.45
		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)	(208-230)	BTU/h	108,000		
		kW	31.7		
		Power input	kW	7.58	
		Current input	A	23.3-21.1	
	(Rated)	BTU/h	103,000		
		kW	30.2		
		Power input	kW	6.93	7.02
		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	0.045		
	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)	653 (296)		
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-J2				
	Main BC controller: CMB-P108,1012,1016NU-JA1,CMB-P1016NU-KA2				
	Sub BC controller: CMB-P104,108NU-KB2				

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

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Module: PURY-HP96TNU-A1 - DIMENSIONS

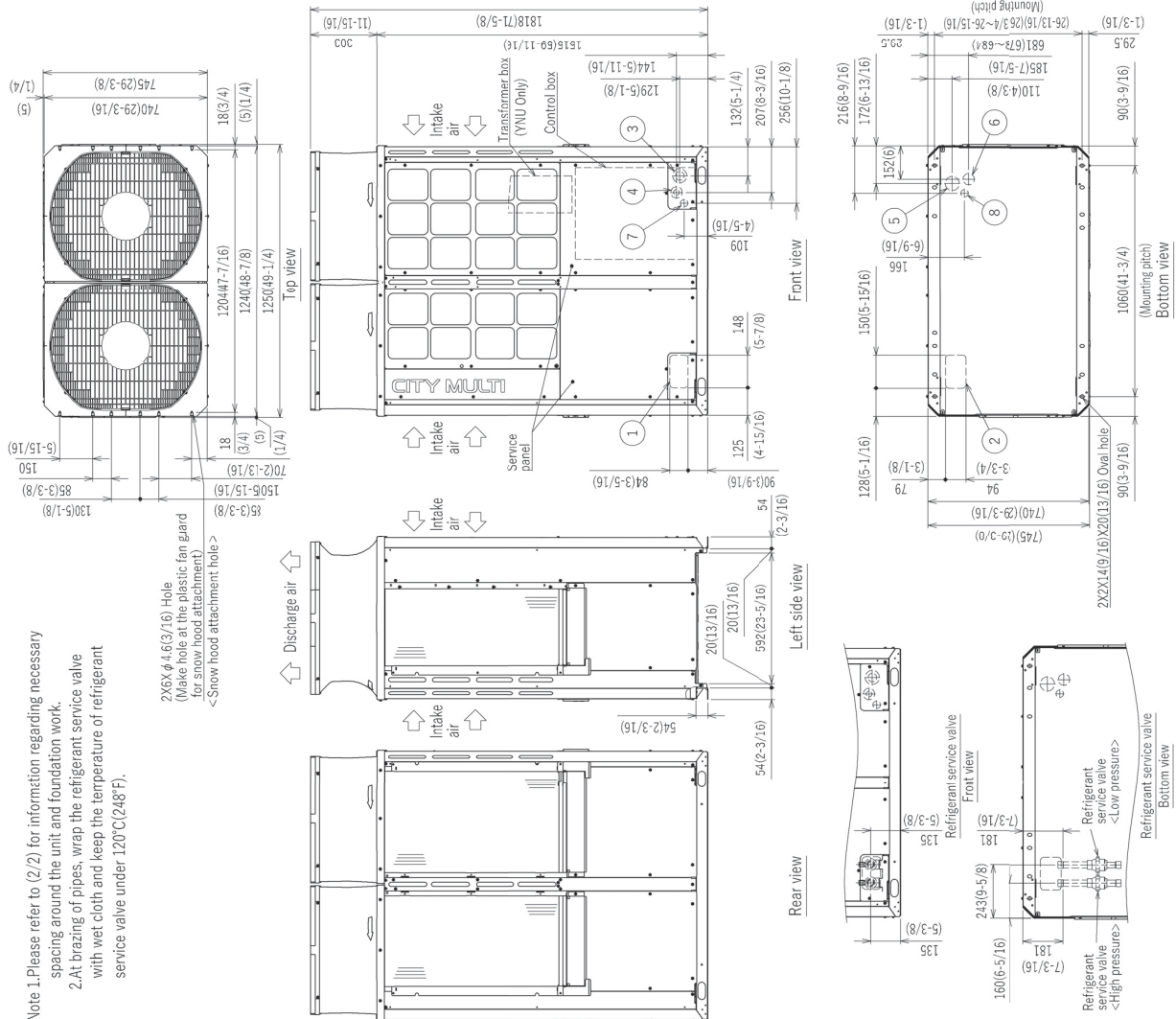
Connecting pipe specifications

Model	Diameter		
	High pressure	Low pressure	Service valve
HP72	φ15.88(5/8) Braze	φ19.05(3/4) Braze	High pressure φ28.58(1-1/8) φ28.58(1-1/8)
HP96	φ19.05(3/4) Braze	φ22.27(7/8) Braze	High pressure φ28.58(1-1/8) φ28.58(1-1/8)
HP120	φ19.05(3/4) Braze	φ28.58(1-1/8) Braze	High pressure φ28.58(1-1/8) φ28.58(1-1/8)

*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) X 84(3-1/5) 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	For wires	Front through hole φ43.7(1-3/4) or φ22.2(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	For transmission cables	Front through hole φ34(1-3/8) Knockout hole
⑧		Bottom through hole φ34(1-3/8) Knockout hole

Unit: mm (in.)



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).

2X6X4.6(3/16) Hole
(Make hole at the plastic fan guard for snow hood attachment)
<Snow hood attachment hole>

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