

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-HP72TNU-A1	
Indoor Model		Non-Ducted	Ducted
Power source		3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity *1 (Nominal)		BTU/h	72,000
		kW	21.1
	Power input	kW	5.22
		A	16.0-14.5
	(208-230)	BTU/h	69,000
		kW	20.2
	Power input	kW	5.45
		A	16.8-15.2
	(208-230)	BTU/h	17.1-15.4
		kW	5.55
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	80,000
		kW	23.4
	Power input	kW	5.66
		A	17.4-15.7
	(208-230)	BTU/h	76,000
		kW	22.3
	Power input	kW	5.12
		A	15.7-14.2
	(208-230)	BTU/h	16.5-14.9
		kW	5.36
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~P96/1~18	
Sound power level (measured in anechoic room) *3		dB <A>	75.5/77.0
Refrigerant piping diameter	High pressure	in. (mm)	5/8 (15.88) Braze
	Low pressure	in. (mm)	3/4 (19.05) Braze
Minimum Circuit Ampacity (*)		A	55-49
Maximum Overcurrent Protection (*)		A	90-80
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	4.0
	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 17 lbs + 10 oz (8.0 kg)
	Control		Indoor LEV and BC controller
Net weight		lbs (kg)	602 (273)
Heat exchanger		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)		-	
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)	
Optional parts		Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 CMY-R201, 202, 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-HP72TNU-A1 - DIMENSIONS

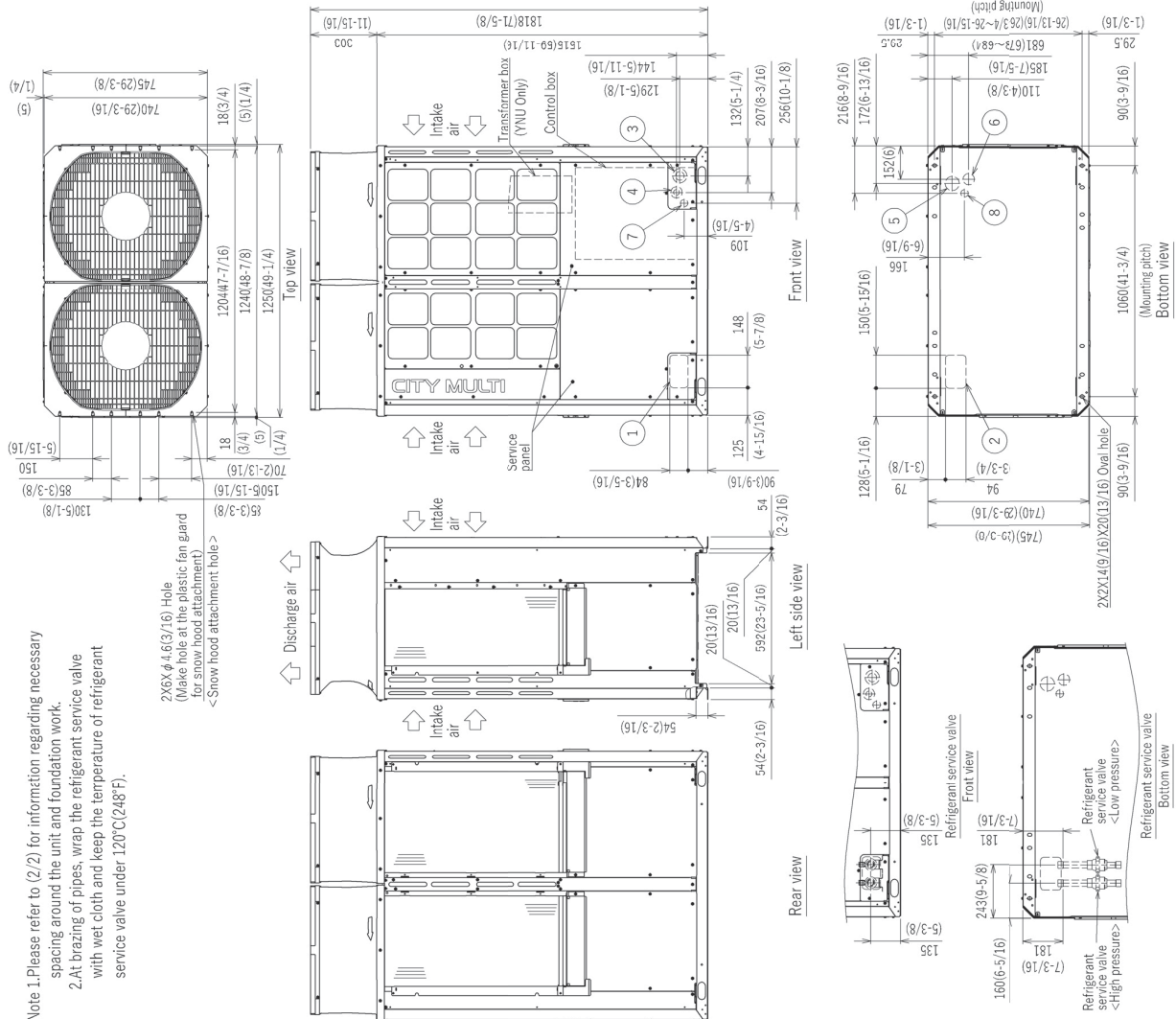
Connecting pipe specifications

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



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