

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:
- Nominal cooling conditions (Test conditions are based on AHRI 1230)  
 Indoor: 80°F DB / 67°F WB, (26.7°C DB / 19.4°C WB), Outdoor: 95°F DB, (35°C DB)
  - Nominal heating conditions (Test conditions are based on AHRI 1230)  
 Indoor: 70°F DB, (21.1°C DB), Outdoor: 47°F DB / 43°F WB, (8.3°C DB / 6.1°C WB)
  - 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.

Outdoor Model		PURY-HP120TNU-A1		
Indoor Model		Non-Ducted	Ducted	
Power source		3-phase 3-wire 208-230 V ±10% 60 Hz		
Cooling capacity *1 (Nominal)	BTU/h	120,000		
	kW	35.2		
	Power input	kW		
	(208-230) Current input	A		
	(Rated)	BTU/h	115,000	
	kW	33.7		
(208-230)	Power input	kW	10.40	
	Current input	A	32.0-29.0	
			32.2-29.1	
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	135,000		
	kW	39.6		
	Power input	kW		
	(208-230) Current input	A		
	(Rated)	BTU/h	129,000	
	kW	37.8		
(208-230)	Power input	kW	9.01	
	Current input	A	27.7-25.1	
			29.2-26.4	
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~P96/1~30		
Sound power level (measured in anechoic room) *3		dB <A>	84.5/85.5	
Refrigerant piping diameter	High pressure	in. (mm)	3/4 (19.05) Braze	
	Low pressure	in. (mm)	1-1/8 (28.58) Braze	
Minimum Circuit Ampacity (*)	A	66-60		
Maximum Overcurrent Protection (*)	A	110-100		
FAN	Type x Quantity	Propeller fan x 2		
	Airflow rate	cfm	9,550	
		m3/min	270	
	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	7.8	
	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)	-			
Defrosting method	Auto-defrost mode (Reversed refrigerant cycle)			
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			

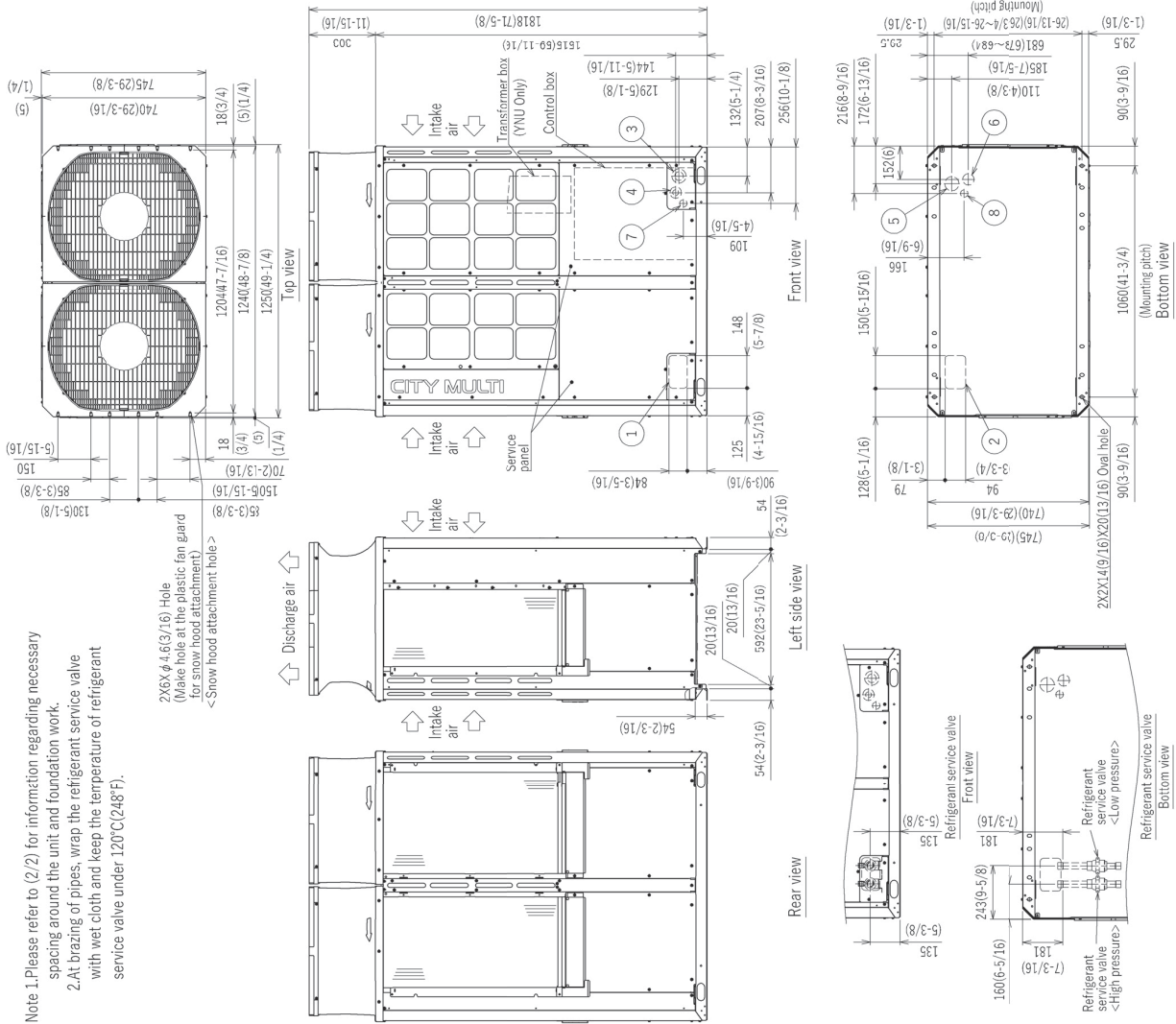
\* All electrical work shall comply with National (NEC) and local codes and regulations. Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

# Module: PURY-HP120TNU-A1 - DIMENSIONS

## Connecting pipe specifications

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

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



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 >

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 84(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 φ22.2(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	φ34(1-3/8) Knockout hole
⑧	Bottom through hole	φ34(1-3/8) Knockout hole

Unit: mm (in.)

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