

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-HP72TNU-A				
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			
(208-230)			Power input		5.39			
			Current input		16.6-15.0			
(Rated)			BTU/h		69,000			
			kW		20.2			
(208-230)			Power input		5.44		5.59	
			Current input		16.7-15.1		17.2-15.5	
Temp. range of cooling			Indoor		59~75°F (15~24°C)			
			Outdoor		23~126°F (-5~52°C)			
Heating capacity *2 (Nominal)			BTU/h		80,000			
			kW		23.4			
(208-230)			Power input		5.33			
			Current input		16.4-14.8			
(Rated)			BTU/h		76,000			
			kW		22.3			
(208-230)			Power input		4.83		5.04	
			Current input		14.8-13.4		15.5-14.0	
Temp. range of heating			Indoor		59~81°F (15~27°C)			
			Outdoor		-22~60°F (-30~15.5°C)			
Indoor unit connectable			Total capacity		50~130% of outdoor unit capacity			
			Model/Quantity		P04~P72/1~18			
Sound power level (measured in anechoic room) *3				dB <A>		74.0/76.0		
Refrigerant piping diameter			Liquid pipe		3/8 (9.52) Brazed			
			Gas pipe		7/8 (22.2) Brazed			
Minimum Circuit Ampacity (*)				A		55-49		
Maximum Overcurrent Protection (*)				A		90-80		
FAN			Type x Quantity		Propeller fan x 2			
			Airflow rate		cfm			
					m3/min			
			Control, Driving mechanism		Inverter-control, Brushless DC motor			
			Motor output		kW			
Compressor			External static press.		0 in.WG (0 Pa)			
			Type x Quantity		Inverter scroll hermetic compressor x 1			
			Starting method		Inverter			
			Motor output		kW			
			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 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 21 lbs + 9 oz (9.8 kg)			
			Control		LEV and HIC circuit			
Net weight			lbs (kg)		609 (276)			
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.

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-HP72TNU-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	Diameter			
	Refrigerant pipe		Service valve	
	Liquid	Gas	Liquid	Gas
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 ø12.7(1/2) Brazed *1,*3			
HP120	ø9.52(3/8) Brazed ø12.7(1/2) Brazed *1,*2,*4			

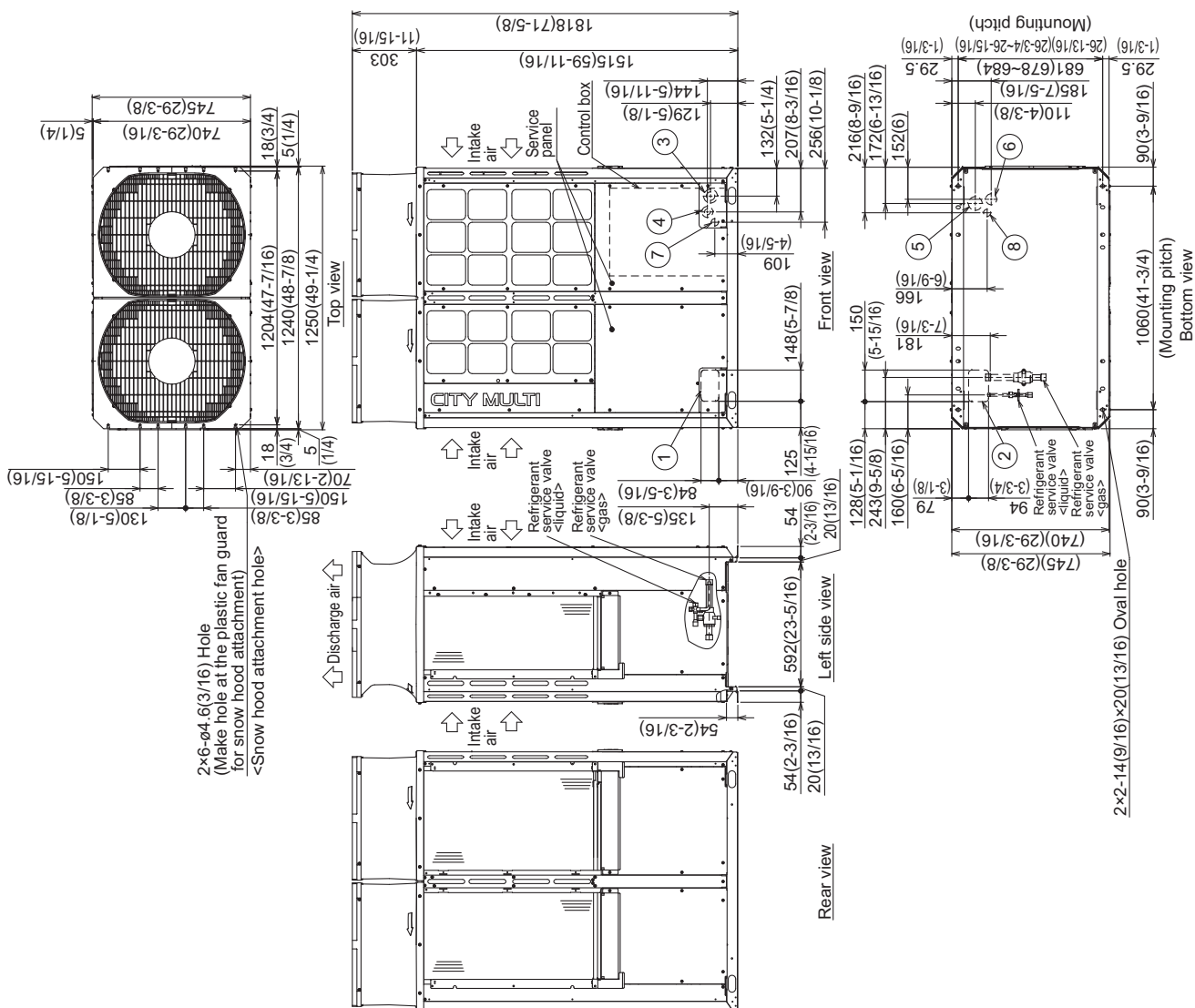
*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.

*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) $\geq 90\text{m}$

*4 Furthest piping length (OU from IU) $\geq 40\text{m}$

NO.	Usage	Specifications
①	For pipes	148(5-78) × 84(3-576) Knockout hole
②		Bottom through hole
③		150(5-1516) × 94(3-34) Knockout hole
④	For wires	Front through hole
⑤		ø62.7(2-1/2) or ø34.5(1-3/8) Knockout hole
⑥		Front through hole
⑦		ø43.7(1-3/4) or ø22.2(7/8) Knockout hole
⑧	For transmission cables	Bottom through hole
⑨		ø52(2-1/8) Knockout hole
⑩		ø52(2-1/8) Knockout hole
⑪	For transmission cables	Front through hole
⑫		ø34(1-3/8) Knockout hole
⑬		Bottom through hole
⑭	For transmission cables	ø34(1-3/8) Knockout hole
⑮		Bottom through hole
⑯		ø34(1-3/8) Knockout hole



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.



SB_PUHY-HP72TNU-A-TH_202407
Specifications are subject to change without notice.
www.MitsubishiElectric.ca
© 2019 Mitsubishi Electric Sales Canada Inc.

Intertek

Page 2 of 2



Heating and Cooling