

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-HP192TSNU-A			
Indoor Model				Non-Ducted		Ducted	
Power source				3-phase 3-wire 208-230 V ±10% 60 Hz			
Cooling capacity *1 (Nominal)			BTU/h	192,000			
			kW	56.3			
(208-230)	Power input	kW	13.79				
	Current input	A	42.5-38.4				
(Rated)	BTU/h	184,000					
	kW	53.9					
(208-230)	Power input	kW	15.79	15.27			
	Current input	A	48.6-44.0	47.0-42.5			
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	215,000			
			kW	63.0			
(208-230)	Power input	kW	15.91				
	Current input	A	49.0-44.3				
(Rated)	BTU/h	206,000					
	kW	60.4					
(208-230)	Power input	kW	14.39	14.79			
	Current input	A	44.3-40.1	45.6-41.2			
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~P96/1~48			
Sound power level (measured in anechoic room) *3			dB <A>	79.5/81.0			
Refrigerant piping diameter		Liquid pipe	in. (mm)	5/8 (15.88) Brazed			
		Gas pipe	in. (mm)	1-1/8 (28.58) Brazed			

Set Model

Model			PUHY-HP96TNU-A		PUHY-HP96TNU-A	
Minimum Circuit Ampacity (*)		A	63-57		63-57	
Maximum Overcurrent Protection (*)		A	100-90		100-90	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	7,400		7,400	
		m3/min	210		210	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.46+0.46	
	*4	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	4.5 x 1		4.5 x 1	
	Case heater	kW	-			
	Lubricant		MEL46		MEL46	
External finish			Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar>		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		71-5/8 x 48-7/8 x 29-3/16	
		mm	1,818 x 1,240 x 740		1,818 x 1,240 x 740	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-current protection		Over-current protection	
	Fan motor		-			
Refrigerant	Type x original charge		R410A x 23 lbs + 12 oz (10.8 kg)		R410A x 23 lbs + 12 oz (10.8 kg)	
	Control		LEV and HIC circuit			
Net weight		lbs (kg)	653 (296)		653 (296)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			Copper pipe, tube-in-tube structure		Copper pipe, tube-in-tube structure	
Pipe between unit and distributor	Liquid pipe	in. (mm)	3/8 (9.52) Brazed		3/8 (9.52) Brazed	
	Gas pipe	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Optional parts			Outdoor Twinning kit: CMY-Y100CBK3 Joint: CMY-Y102SS/102LS-G2, CMY-Y202S/302S-G2 Header: CMY-Y104/108/1010C-G			

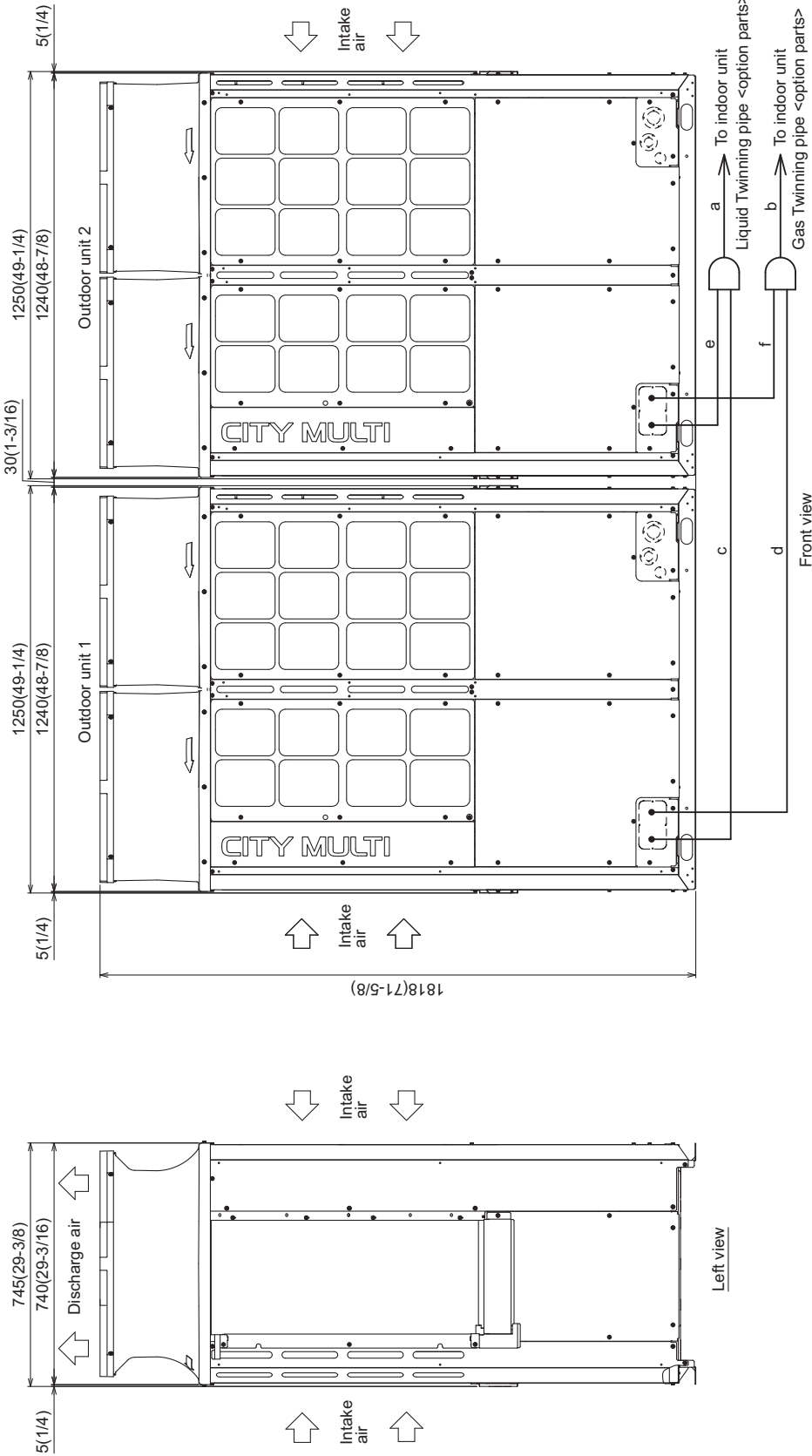
Notes:

- 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.

Module: PUHY-HP192TSNU-A-TH - DIMENSIONS

Unit: mm (in.)



Twinning pipe connection size

Package unit name	PUHY-HP144TSNU-A	PUHY-HP192TSNU-A	PUHY-HP240TSNU-A
Component unit name	Outdoor unit 1	Outdoor unit 2	Outdoor unit 2
Outdoor Twinning Kit (optional parts)	PUHY-HP72TNU-A	PUHY-HP96TNU-A	PUHY-HP120TNU-A
BC controller	CMY-Y100CBK3		
~Twinning pipe	Liquid a	Gas b	
	ø12.7(1/2)	ø15.88(5/8)	ø28.58(1-1/8)

Unit model	Liquid c or e	Gas d or f
HP72	ø9.52(3/8)	ø22.2(7/8)
HP96	ø12.7(1/2)	ø28.58(1-1/8)

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
- Note 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane. Be sure to see the Installation Manual for details of Twinning pipe installation.
- Note 3. The pipe section before the Twinning pipe (section "a" and "b" in the figure) must have at least 500mm(19-11/16) of straight section (*including the straight pipe that is supplied with the Twinning pipe).
- Note 4. Only use the Twinning pipe by Mitsubishi (optional parts).

Module: PUHY-HP96TNU-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	
HP72	Liquid ø5.52(3/8) Brazed *1	Gas	Gas
HP96	Liquid ø5.52(3/8) Brazed *1 ø12.7(1/2) Brazed *1, *3	Gas ø22.2(7/8) Brazed *1	Gas
HP120	Liquid ø5.52(3/8) Brazed ø12.7(1/2) Brazed *1, *2, *4	Gas ø28.58(1-1/8) Brazed	Gas ø12.7(1/2) ø28.58(1-1/8)

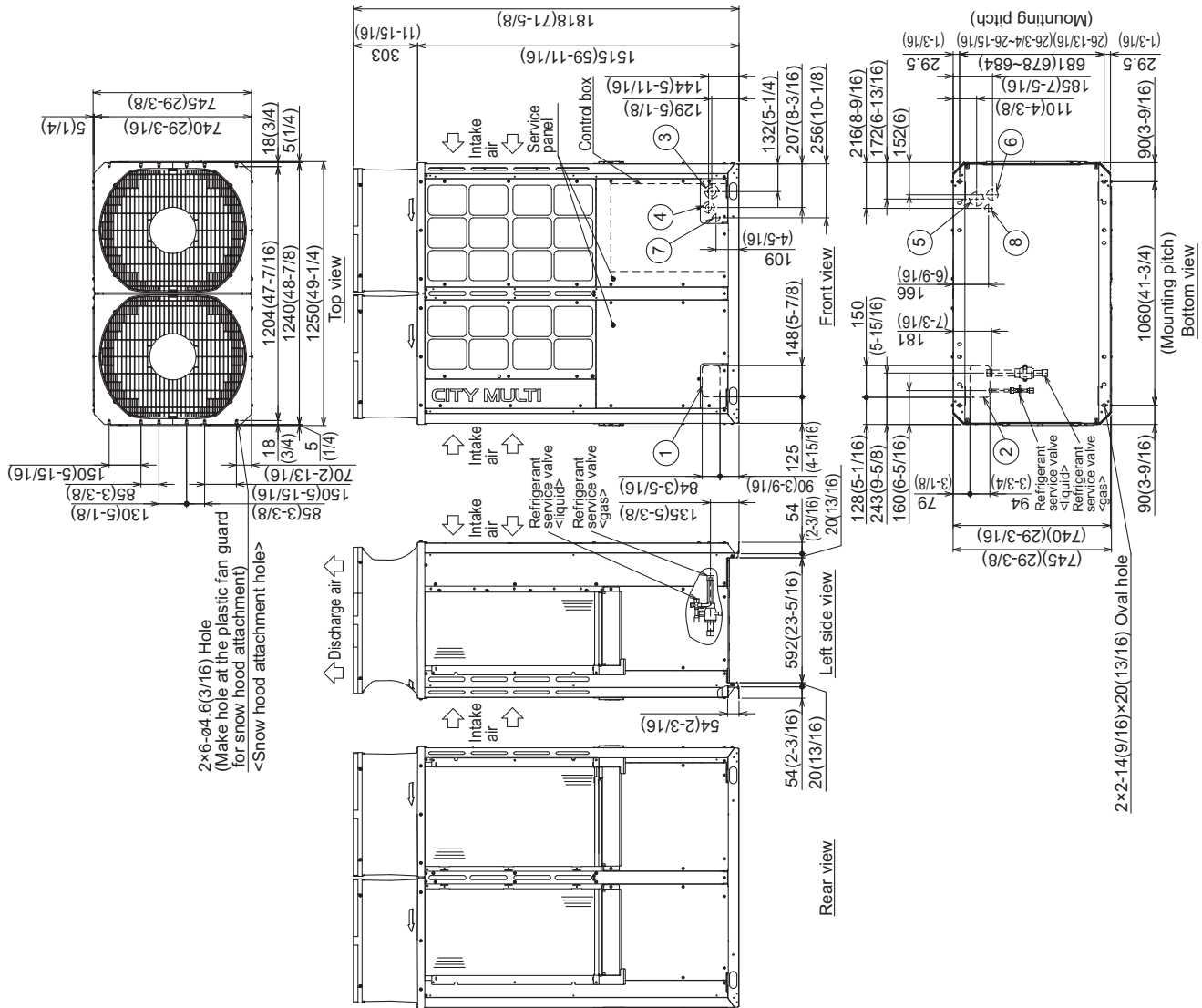
*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.

*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

*4 Furthest piping length (OU from IU) ≥ 40m

NO.	Usage	Specifications
①	Front through hole	148(5-7/8) × 84(3-5/16) Knockout hole
②	Bottom through hole	150(5-15/16) × 94(3-3/4) Knockout hole
③	Front through hole	ø62.7(2-1/2) or ø34.5(1-3/8) Knockout hole
④	Front through hole	ø43.7(1-3/4) or ø22.2(7/8) Knockout hole
⑤	Bottom through hole	ø65(2-9/16) Knockout hole
⑥	Bottom through hole	ø52(2-1/16) Knockout hole
⑦	Front through hole	ø34(1-3/8) Knockout hole
⑧	Bottom through hole	ø34(1-3/8) Knockout hole



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