

Job Name:

Schedule Reference:

Date:



UNIT OPTION

Standard Model PUHY-P240TSNU-A1
Seacoast (BS) Model PUHY-P240TSNU-A1-BS

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)
Panel Heater - (PAC-PH02EHYU-E) (x2)

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-P240TSNU-A1 (-BS)		
Indoor Model		Non-Ducted / Ducted		
Power source		3-phase 3-wire 208-230 V ±10% 60 Hz		
Cooling capacity *1 (Nominal)	BTU/h	240,000		
	kW	70.3		
	Power input	kW		
	(208-230) Current input	A		
	(Rated)	BTU/h	230,000	
	kW	67.4		
(208-230)	Power input	kW		
	Current input	A		
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	270,000		
	kW	79.1		
	Power input	kW		
	(208-230) Current input	A		
	(Rated)	BTU/h	258,000	
	kW	75.6		
(208-230)	Power input	kW		
	Current input	A		
Temp. range of heating *3	Indoor	D.B.	59~81°F (15~27°C)	
	Outdoor	W.B.	-13~60°F (-25~15.5°C)	
Indoor unit connectable	Total capacity	50~130% of outdoor unit capacity		
	Model/Quantity	P04~P96/2~50		
Sound power level (measured in anechoic room) *4		dB <A>		
		83.5/84.5		
Refrigerant piping diameter	Liquid pipe	in. (mm)	5/8 (15.88) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	

Set Model		PUHY-P120TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)
Model		PUHY-P120TNU-A1 (-BS)	PUHY-P120TNU-A1 (-BS)
Minimum Circuit Ampacity (*)		A	50-46
Maximum Overcurrent Protection (*)		A	80-70
FAN	Type x Quantity	Propeller fan x 2	
	Airflow rate	cfm	7,750
		m3/min	220
	Control, Driving mechanism	Inverter-control, Brushless DC motor	
	Motor output	kW	
*5 External static press.	0 in.WG (0 Pa)		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x1	
	Starting method	Inverter	
	Motor output	kW	
	Case heater	kW	
	Lubricant	MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <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	in. 71-5/8 x 48-7/8 x 29-3/16
		mm 1,818 x 1,240 x 740	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	Over-current protection	
Refrigerant	Type x original charge	R410A x 21 lbs + 9 oz (9.8 kg)	
	Control	LEV and HIC circuit	
Net weight	lbs (kg)	605 (274)	605 (274)
Heat exchanger		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, tube-in-tube structure	
Pipe between unit and distributor	Liquid pipe	in. (mm)	
	Gas pipe	in. (mm)	
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	

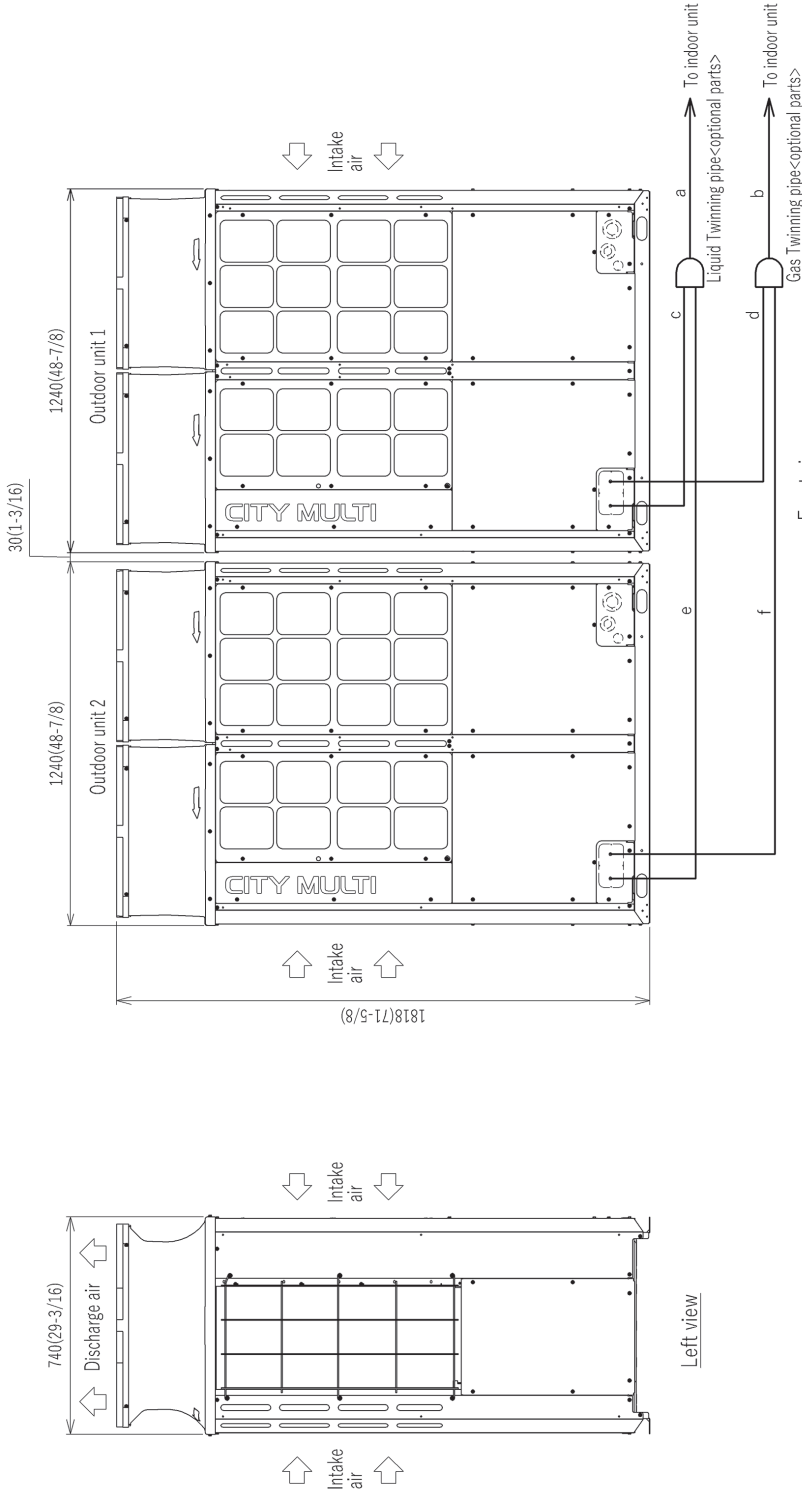
Notes:
1. Nominal cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F DB, 67°F WB, 26.7° CD B, 19.4° CW B, Outdoor: 95°F DB, 35° CD B
2. Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F DB, 21.1° CD B, Outdoor: 47°F DB, 43°F WB, 6.3° CD B, 6.1° CW B
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Cooling mode/Heating mode
5. External static pressure option is available (0.12 in.WG, 0.24 in.WG, 0.32 in.WG/30 Pa, 60 Pa, 80 Pa).

* Due to continuing improvement, above specifications may be subject to change without notice.

Specifications are subject to change without notice.

* 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: PUHY-P240TSNU-A1(-BS) - DIMENSIONS



Twinning pipe connection size

Package unit name	(E)P192T/YNSU	P216T/YNSU	EP216T/YNSU	P240T/YNSU	EP240T/YNSU
Outdoor unit 1	(E)P96T/YNU	P120T/YNU	EP120T/YNU	P120T/YNU	EP120T/YNU
Outdoor unit 2	(E)P96T/YNU	P96T/YNU	EP96T/YNU	P120T/YNU	EP120T/YNU
Outdoor Twinning Kit(optional parts)	CMY-Y100CBK3	CMY-Y100CBK3	CMY-Y300CBK2	CMY-Y100CBK3	CMY-Y300CBK2
Indoor unit					
~Twinning pipe	φ 15.88(5/8)	φ 15.88(5/8)	φ 15.88(5/8)	φ 15.88(5/8)	φ 15.88(5/8)
Gas	φ 28.58(1-1/8)	φ 28.58(1-1/8)	φ 34.93(1-3/8)	φ 28.58(1-1/8)	φ 34.93(1-3/8)
Liquid	φ 9.52(3/8)	φ 12.7(1/2)	φ 12.7(1/2)	φ 12.7(1/2)	φ 12.7(1/2)
~Outdoor unit 1	φ 22.2(7/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)
Liquid	φ 9.52(3/8)	φ 9.52(3/8)	φ 9.52(3/8)	φ 12.7(1/2)	φ 12.7(1/2)
~Outdoor unit 2	φ 22.2(7/8)	φ 22.2(7/8)	φ 22.2(7/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)
Gas					

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipes must be installed horizontally using a level vessel.
 Be sure to see the Installation Manual for details of Twinning pipe installation.
 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).
 4. Only use the Twinning pipe by Mitsubishi (optional parts).

Unit: mm (in.)

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Module: PUHY-P120TSNU-A1(-BS) - DIMENSIONS

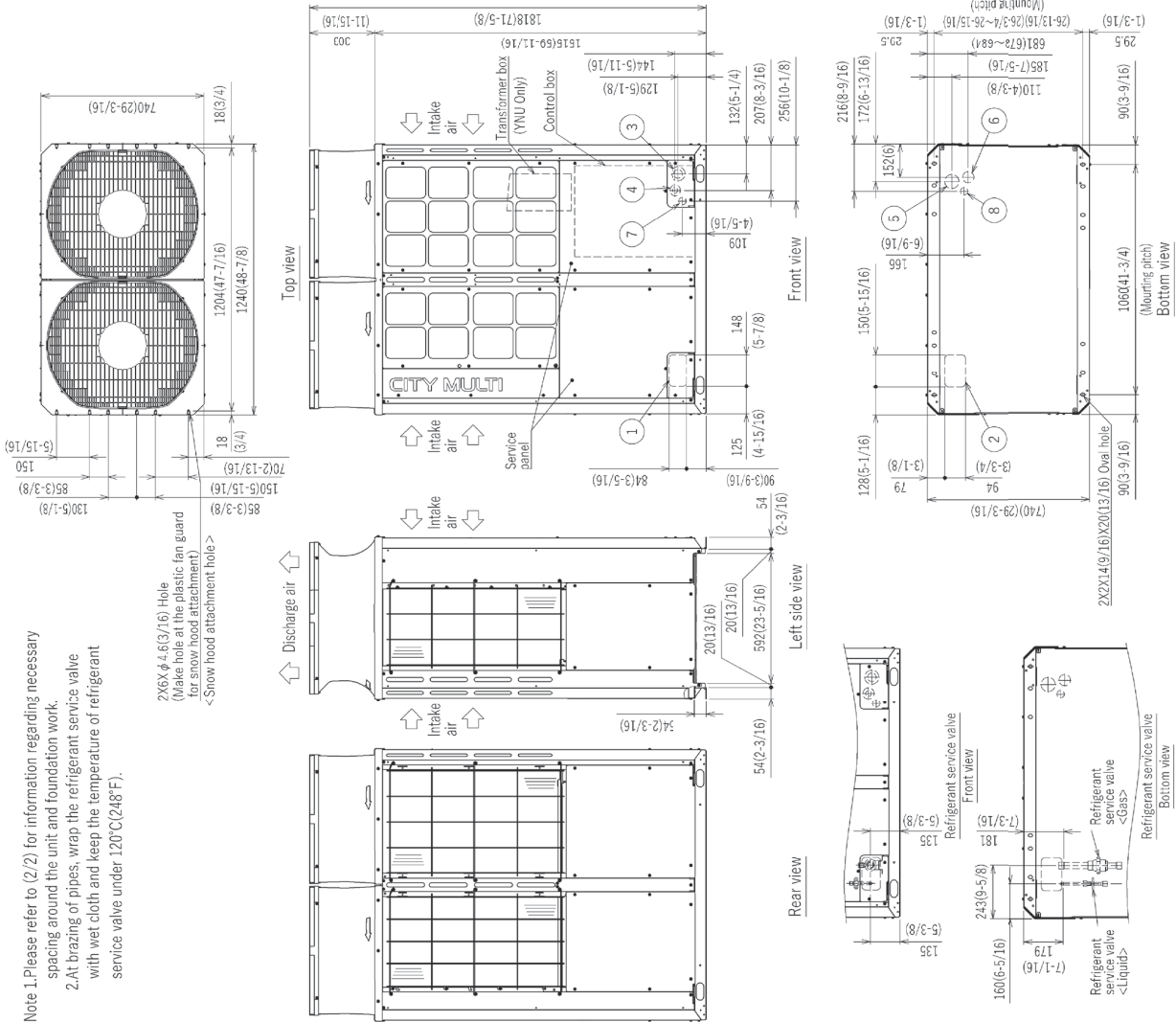
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter		
	Refrigerant pipe *1	Gas	Service valve
(E)P96	φ 9.52(3/8)	Brazed φ 22.2(7/8)	Brazed φ 12.7(1/2)
(E)P96	φ 12.7(1/2)	Brazed φ 22.2(7/8)	Brazed φ 12.7(1/2)
(E)P120	φ 9.52(3/8)	Brazed φ 28.58(1-1/8)	Brazed φ 12.7(1/2)
(E)P120	φ 12.7(1/2)	Brazed φ 28.58(1-1/8)	Brazed φ 12.7(1/2)
(E)P144	φ 12.7(1/2)	Brazed φ 28.58(1-1/8)	Brazed φ 12.7(1/2)

- *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 (295ft)
- *4 Furthest piping length (OU from IU) ≧ 40m (131ft)

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 94(3-3/4) Knockout hole
③	Front through hole	φ 62.7(2-1/2) or φ 34.5(1-3/8) Knockout hole
④	Front through hole	φ 43.7(1-3/4) or φ 22.2(7/8) Knockout hole
⑤	Bottom through hole	φ 65(2-9/16) Knockout hole
⑥	Bottom through hole	φ 34(1-3/8) Knockout hole
⑦	For transmission cables	φ 34(1-3/8) Knockout hole
⑧	Bottom through hole	φ 34(1-3/8) Knockout hole



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).

2x6 φ 4.6(3/16) Hole
 (Make hole at the plastic fan guard for snow hood attachment)
 <Snow hood attachment hole>

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