

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-P240TSNU-A-TH

Seacoast (BS) Model PUHY-P240TSNU-A-TH-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-A (-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				
(208-230)			Power input	19.97				
			Current input	61.5-55.6				
(Rated)			BTU/h	230,000				
			kW	67.4				
(208-230)			Power input	22.95		22.48		
			Current input	70.7-64.0		69.3-62.6		
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				
(208-230)			Power input	22.12				
			Current input	68.2-61.6				
(Rated)			BTU/h	258,000				
			kW	75.6				
(208-230)			Power input	20.58		20.07		
			Current input	63.4-57.4		61.8-55.9		
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			Liquid pipe	in. (mm)		5/8 (15.88) Braze		
piping diameter			Gas pipe	in. (mm)		1-1/8 (28.58) Braze		

Set Model

Model			PUHY-P120TSNU-A (-BS)		PUHY-P120TSNU-A (-BS)	
Minimum Circuit Ampacity (*)		A	50-46		50-46	
Maximum Overcurrent Protection (*)		A	80-70		80-70	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	7,750		7,750	
		m3/min	220		220	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.46+0.46	
	*5	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x1		Inverter scroll hermetic compressor x1	
	Starting method		Inverter		Inverter	
	Motor output	kW	7.7 x 1		7.7 x 1	
	Case heater	kW	-		-	
	Lubricant		MEL32		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		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 21 lbs + 9 oz (9.8 kg)		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		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)	1/2 (12.7) Brazed		1/2 (12.7) Brazed	
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed		1-1/8 (28.58) 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:

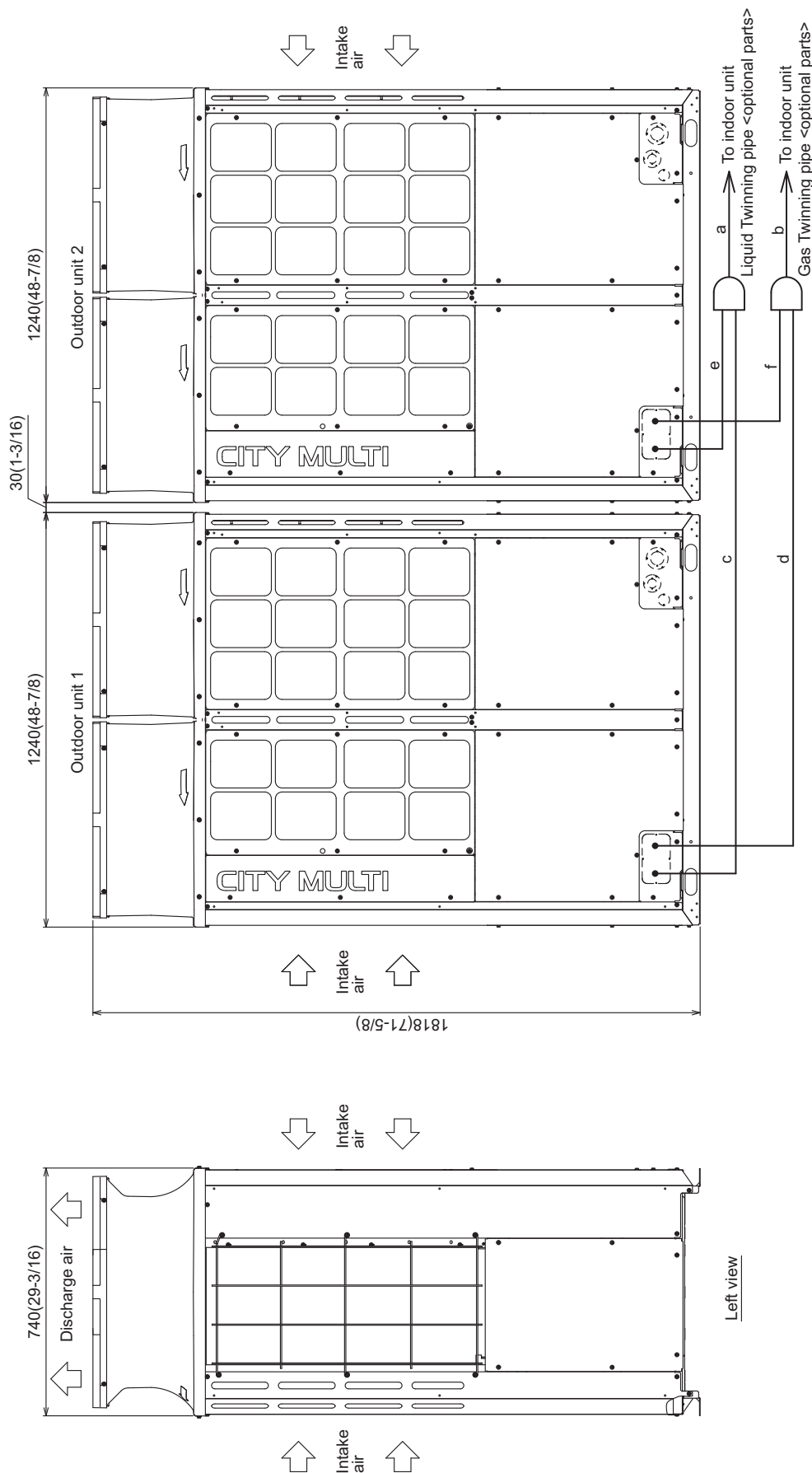
- Nominal cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F DB, 67°F WB, (26.7°C DB, 19.4°C WB), Outdoor: 95°F DB, (35°C DB)
 - Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F DB, (21.1°C DB), Outdoor: 47°F DB, 43°F WB, (8.3°C DB, 6.1°C WB)
 - When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
 - 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).
- * 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 (CEC) and local codes and regulations.

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Module: PUHY-P240TSNU-A-TH(-BS) - DIMENSIONS



Twinning pipe connection size

Package unit name	PUHY-P192TSNU-A(-BS)	PUHY-P216TSNU-A(-BS)	PUHY-P240TSNU-A(-BS)
Component unit name	Outdoor unit 1 PUHY-P96TNU-A(-BS)	Outdoor unit 2 PUHY-P96TNU-A(-BS)	Indoor unit PUHY-P120TNU-A(-BS)
Outdoor Twinning Kit(optional parts)	CMY-Y100CBK3	CMY-Y100CBK3	CMY-Y100CBK3
Indoor unit ~Twinning pipe	Liquid a	Liquid b	Gas
	15.88(5/8)	15.88(5/8)	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.
 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
 3. Be sure to see the Installation Manual for details of Twinning pipe installation.
 4. 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).
 5. Only use the Twinning pipe by Mitsubishi (optional parts).

Twinning pipe-Outdoor unit	Unit model	Liquid c or e	Gas d or f
P96	P96	ø9.52(3/8)	ø22.2(7/8)
P120	P120	ø12.7(1/2)	ø28.58(1-1/8)

Front view

Left view

Unit: mm (in.)

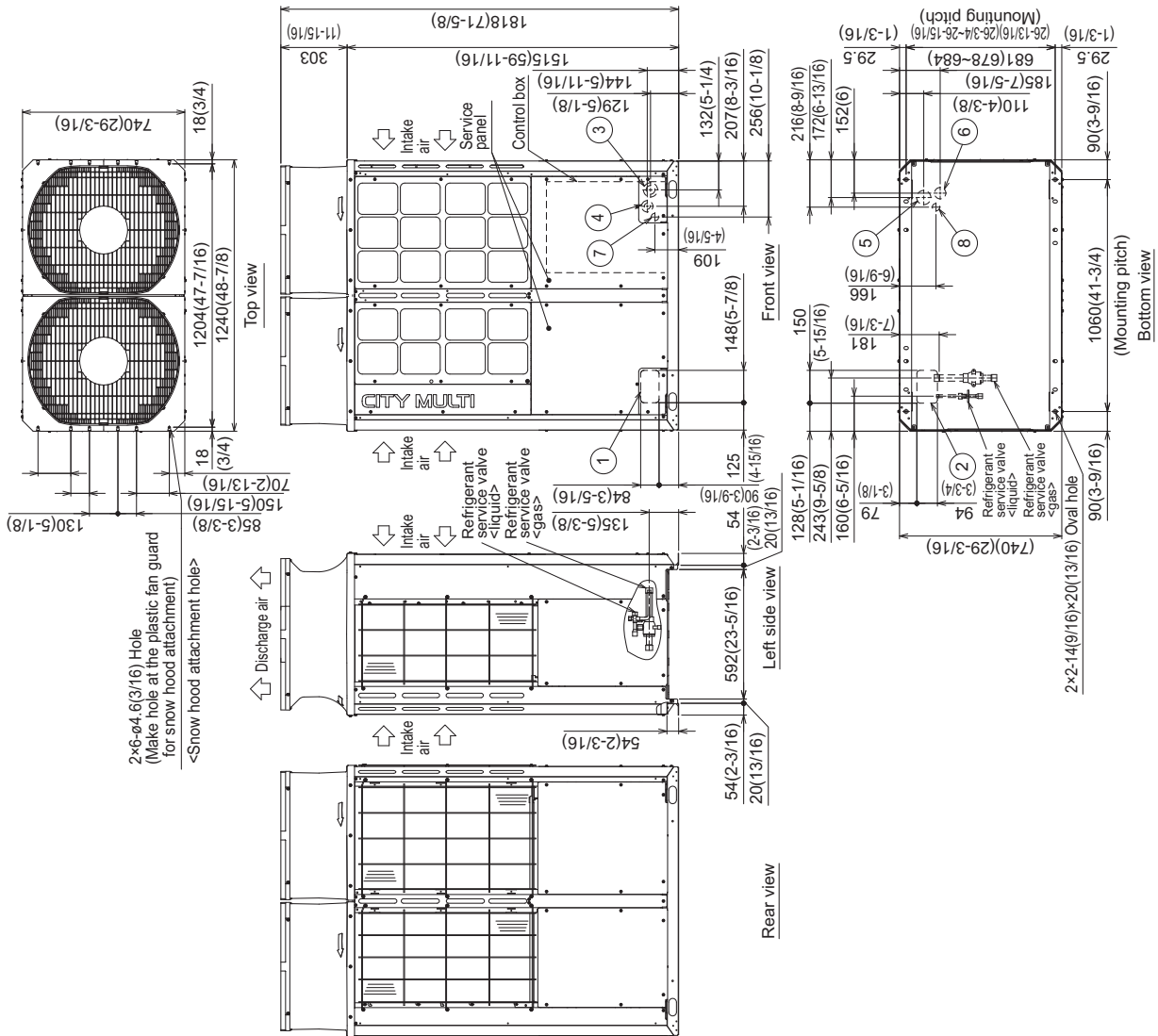
Unit: mm (in.)

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).

Model	Refrigerant pipe		Diameter	
	Liquid	Gas	Liquid	Gas
P96	ø9.52(3/8) Brazed (ø12.7(1/2) Brazed)*1,3	ø22.2(7/8) Brazed*1,2		
P120	ø9.52(3/8) Brazed (ø12.7(1/2) Brazed)*1,2,4		ø12.7(1/2)	ø26.56(1-1/8)
P144	ø12.7(1/2) Brazed	ø28.58(1-1/8) Brazed		

- *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	For pipes	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(-3/8) Knockout hole
④	For wires	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	For transmission cables	Front through hole ø34 1(3/8) Knockout hole
⑧		Bottom through hole ø24(1-3/8) Knockout hole



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