

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP240TSNU-A-TH

Seacoast (BS) Model PUHY-EP240TSNU-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-EP240TSNU-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					
			Power input	18.6					
			(208-230) Current input	A 57.3-51.8					
(Rated)			BTU/h	230,000					
			kW	67.4					
			Power input	22.73		21.79			
			(208-230) Current input	A 70.1-63.3		67.2-60.7			
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	21.39					
			(208-230) Current input	A 65.9-59.6					
			(Rated)			BTU/h	258,000		
						kW	75.6		
(208-230)			Power input	19.79		19.52			
			Current input	A 61.0-55.1		60.2-54.4			
Temp. range of heating		Indoor	D.B.	59~81°F (15~27°C)					
		Outdoor	W.B.	-13~60°F (-25~15.5°C)					
Indoor unit		Total capacity		50~130% of outdoor unit capacity					
connectable		Model/Quantity		P04~P96/2~50					
Sound power level (measured in anechoic room) *3			dB <A>	83.0/84.5					
Refrigerant		Liquid pipe	in. (mm)	5/8 (15.88) Brazed					
piping diameter		Gas pipe	in. (mm)	1-3/8 (34.93) Brazed					

Set Model

Model		PUHY-EP120TNU-A (-BS)	PUHY-EP120TNU-A (-BS)
Minimum Circuit Ampacity (*)		55-49	55-49
Maximum Overcurrent Protection (*)		90-80	90-80
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	7,750
		m3/min	220
	Control, Driving mechanism	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	0.46+0.46	0.46+0.46
	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	7.4 x 1	7.4 x 1
	Case heater	-	-
	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 mm 1,818 x 1,240 x 740	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)	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	R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Net weight		lbs (kg) 633 (287)	633 (287)
Heat exchanger		Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube
HIC circuit (HIC: Heat Inter-Change)		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) Braze	1/2 (12.7) Braze
	Gas pipe	in. (mm) 1-1/8 (28.58) Braze	1-1/8 (28.58) Braze
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:

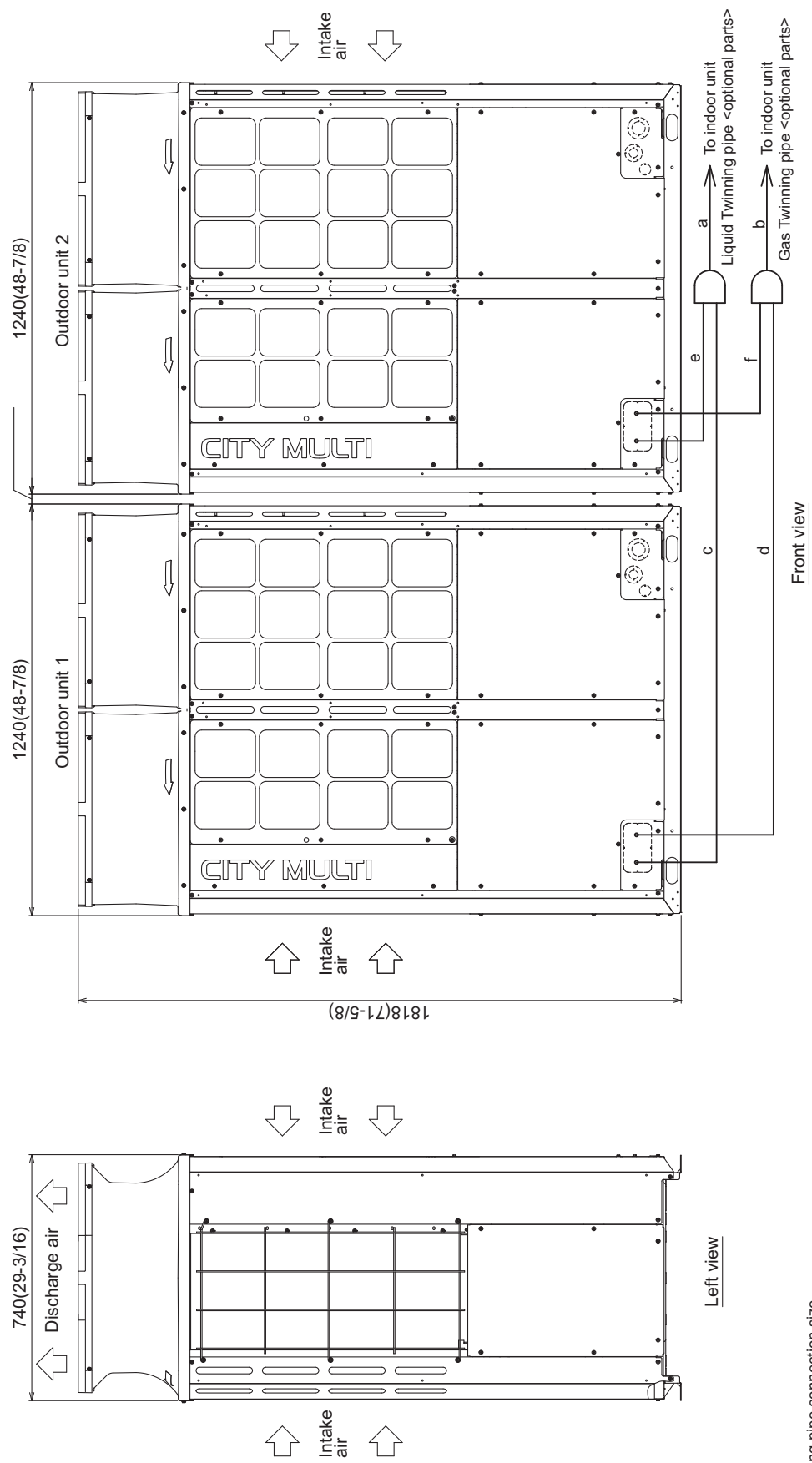
- Cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.), Outdoor: 95°F D.B. (35°C D.B.)
- Heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F D.B. (21.1°C D.B.), Outdoor: 47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)
- Cooling 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.

* All electrical work shall comply with National (CEC) and local codes and regulations.

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Module: PUHY-EP240TSNU-A-TH(-BS) - DIMENSIONS



Twining pipe-Outdoor unit	Unit model	Liquid c or e	Gas d or f
EP96	EP96	ø9.52(3/8)	ø22.2(7/8)
EP120	EP120	ø12.7(1/2)	ø28.58(1-1/8)

Twining pipe connection size

Package unit name	PUHY-EP197TSNU-A(-BS)	PUHY-EP216TSNU-A(-BS)	PUHY-EP240TSNU-A(-BS)
Component unit name	Outdoor unit 1 PUHY-EP96TNU-A(-BS)	PUHY-EP120TNU-A(-BS)	PUHY-EP120TNU-A(-BS)
Outdoor Twining Kit(optional parts)	PUHY-EP96TNU-A(-BS)	PUHY-EP96TNU-A(-BS)	PUHY-EP120TNU-A(-BS)
Indoor unit ~Twining pipe	CMY-Y100CBK3		
Liquid	a	b	ø15.88(5/8)
Gas	b	a	ø34.93(1-3/8)

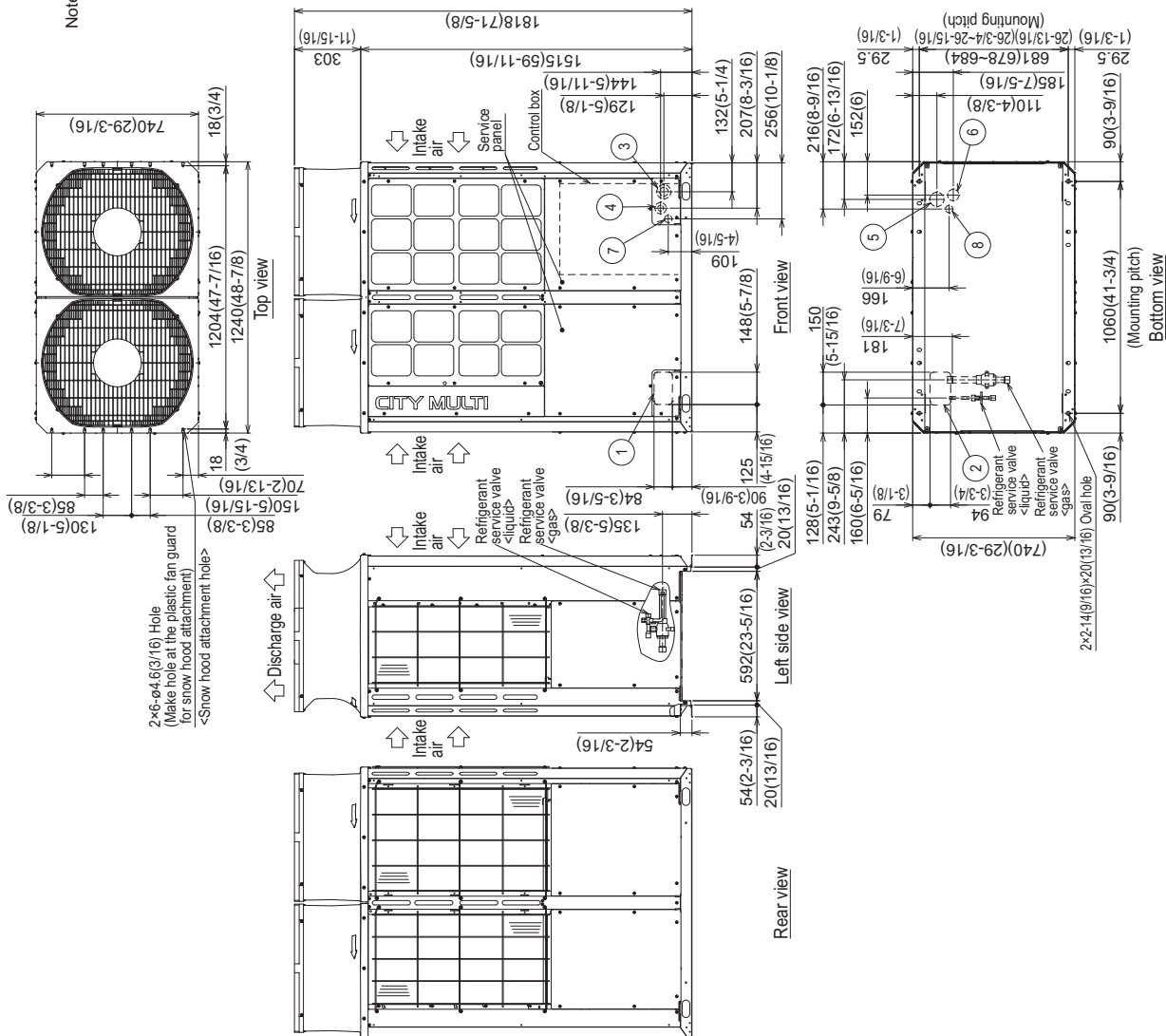
- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
- Note 2. Twining pipes should not be tilted more than 15 degrees from the horizontal plane.
- Note 3. Be sure to see the Installation Manual for details of Twining pipe installation.
- Note 4. The pipe section before the Twining 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 Twining pipe).
- Note 5. Only use the Twining pipe by Mitsubishi (optional parts).

Unit: mm (in.)

Module: PUHY-EP120TNU-A-TH(-BS) - 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			
	Liquid	Refrigerant pipe	Gas	Service valve
EP96	ø9.52(3/8) Braze	ø12.7(1/2) Braze*1,3	ø22.2(7/8) Braze*1,2	ø12.7(1/2) ø28.58(1-1/8)
EP120	ø9.52(3/8) Braze	ø12.7(1/2) Braze*1,2,4	ø28.58(1-1/8) Braze	
EP144	ø12.7(1/2) Braze			

- *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	For pipes	Front through hole 148(5-7/8) × 84(3-5/16) Knockout hole
②		Bottom through hole 150(5-15/16) × 84(3-5/16) 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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