

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-P384TSNU-A-TH

Seacoast (BS) Model PUHY-P384TSNU-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) (x3)

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-P384TSNU-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	384,000			
			kW	112.5			
(208-230)			Power input	kW	33.18		
			Current input	A	102.3-92.5		
(Rated)			BTU/h	364,000			
			kW	106.7			
(208-230)			Power input	kW	39.21	36.23	
			Current input	A	120.9-109.3	111.7-101.0	
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	430,000			
			kW	126.0			
(208-230)			Power input	kW	36.26		
			Current input	A	111.8-101.1		
(Rated)			BTU/h	410,000			
			kW	120.2			
(208-230)			Power input	kW	34.14	32.80	
			Current input	A	105.2-95.2	101.1-91.4	
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>	86.5/87.5		
Refrigerant			Liquid pipe	in. (mm)	3/4 (19.05) Brazed		
piping diameter			Gas pipe	in. (mm)	1-5/8 (41.28) Brazed		

Set Model

Model		PUHY-P144TNU-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P120TNU-A (-BS)
Minimum Circuit Ampacity (*)		A	60-55	50-46
Maximum Overcurrent Protection (*)		A	100-90	80-70
FAN	Type x Quantity	Propeller fan x 2		
	Airflow rate	9,200		
		260		
	Control, Driving mechanism	Inverter-control, Brushless DC motor		
	Motor output	0.46+0.46		
	*5 External static press.	0 in.WG (0 Pa)		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		
	Motor output	9.6 x 1		
	Case heater	-		
	Lubricant	MEL32		
	External finish	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)		
	Inverter circuit (COMP./FAN)	Over-current protection		
	Fan motor	-		
Refrigerant	Type x original charge	R410A x 23 lbs + 12 oz (10.8 kg)	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)	649 (294)	605 (274)	605 (274)
Heat exchanger		Salt-resistant cross fin & copper tube	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	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-Y300CBK2 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).

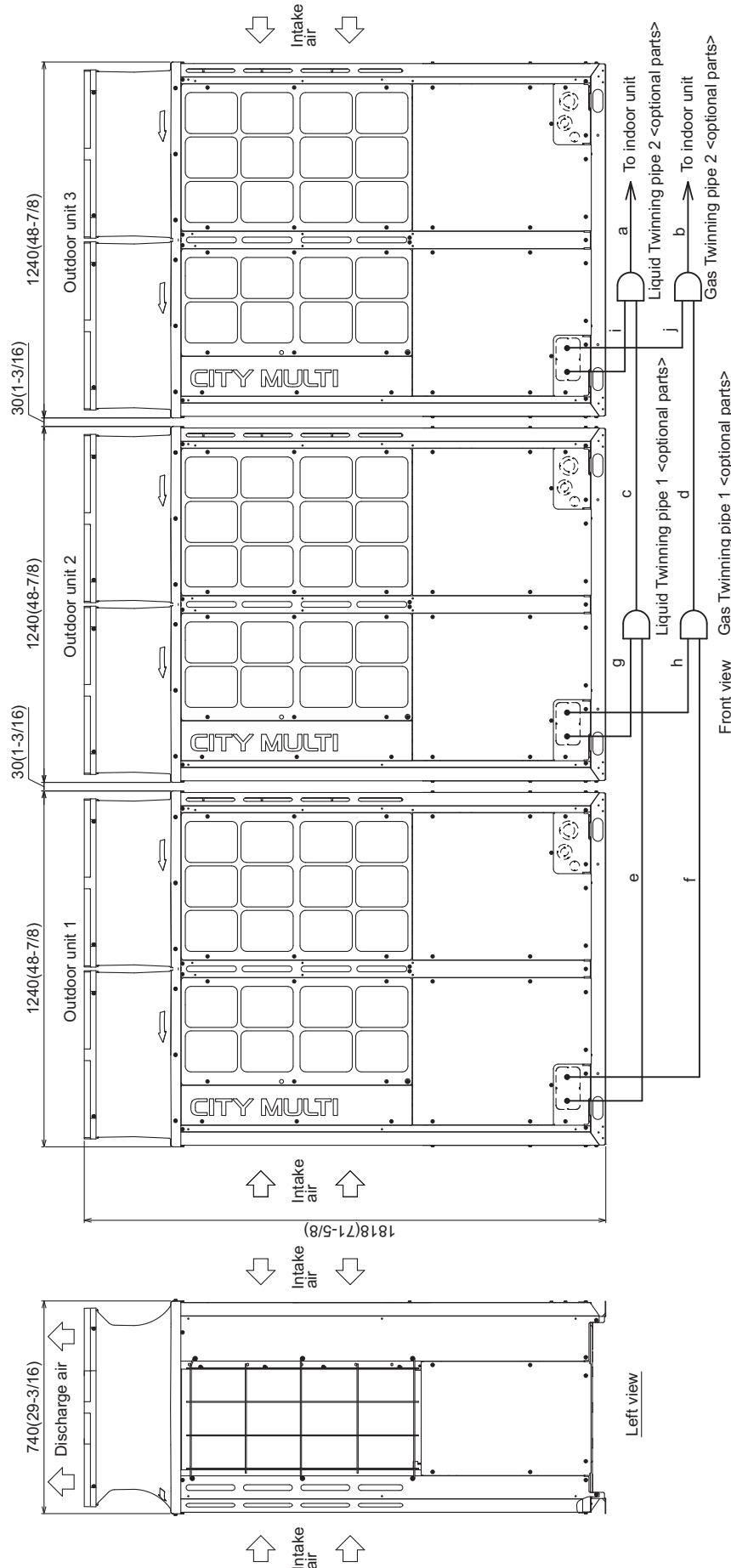
* Due to continuing improvement, above specifications may be subject to change without notice.

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-P384TSNU-A-TH(-BS) - DIMENSIONS



Twinning pipe connection size

Package unit name	PUHY-P384TSNU-A(-BS)	PUHY-P384TSNU-A(-BS)	PUHY-P384TSNU-A(-BS)	PUHY-P384TSNU-A(-BS)	PUHY-P384TSNU-A(-BS)
Component unit name	Outdoor unit 1	Outdoor unit 2	Outdoor unit 3	Outdoor unit 1	Outdoor unit 2
Outdoor unit 1	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)
Outdoor unit 2	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)
Outdoor unit 3	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)
Outdoor Twinning Kit(optional parts)	CMY-Y300CBK2				
Indoor unit-Twinning pipe 2	Liquid	a			
	Gas	b			
Twinning pipe 1-Twinning pipe 2	Liquid	c			
	Gas	d			

- 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. 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).

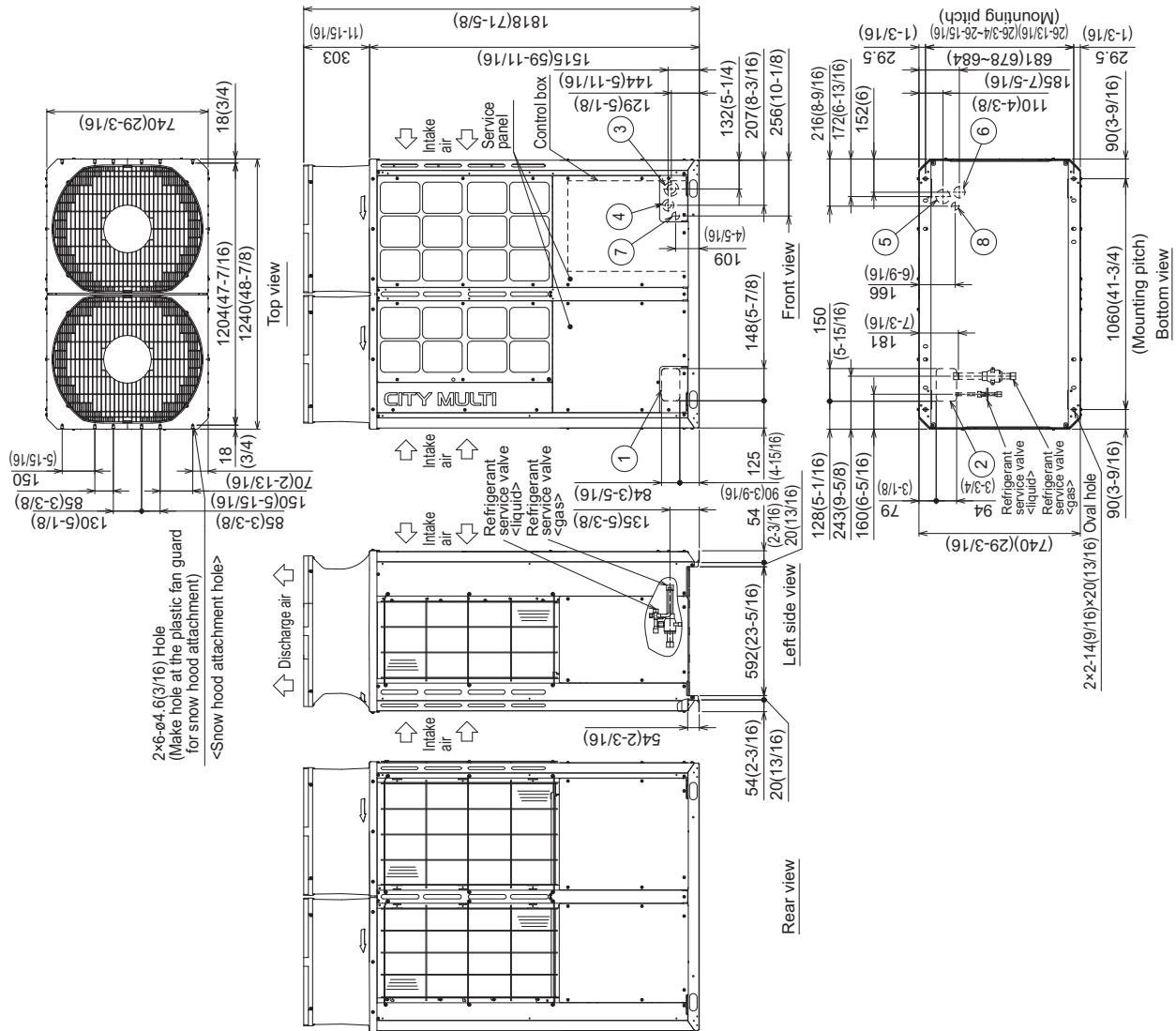
Unit model	Liquid	Gas
P96	e or g or i	f or h or j
P120	ø9.52(3/8)	ø22.2(7/8)
P144	ø12.7(1/2)	ø28.58(1-1/8)

Unit: mm (in.)

Module: PUHY-P120_144TNU-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		
	Refrigerant pipe	Service valve	Gas
P96	ø5.52(3/8) Brazed ø12.7(1/2) Brazed *1,3	Liquid	Gas
P120	ø5.52(3/8) Brazed ø12.7(1/2) Brazed *1,2,4	ø12.7(1/2)	ø28.58(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
	For pipes	For wires	For transmission cables
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	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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