

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP216TSNU-A-TH

Seacoast (BS) Model PUHY-EP216TSNU-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.

Notes:

- 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)
- 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)
- 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.

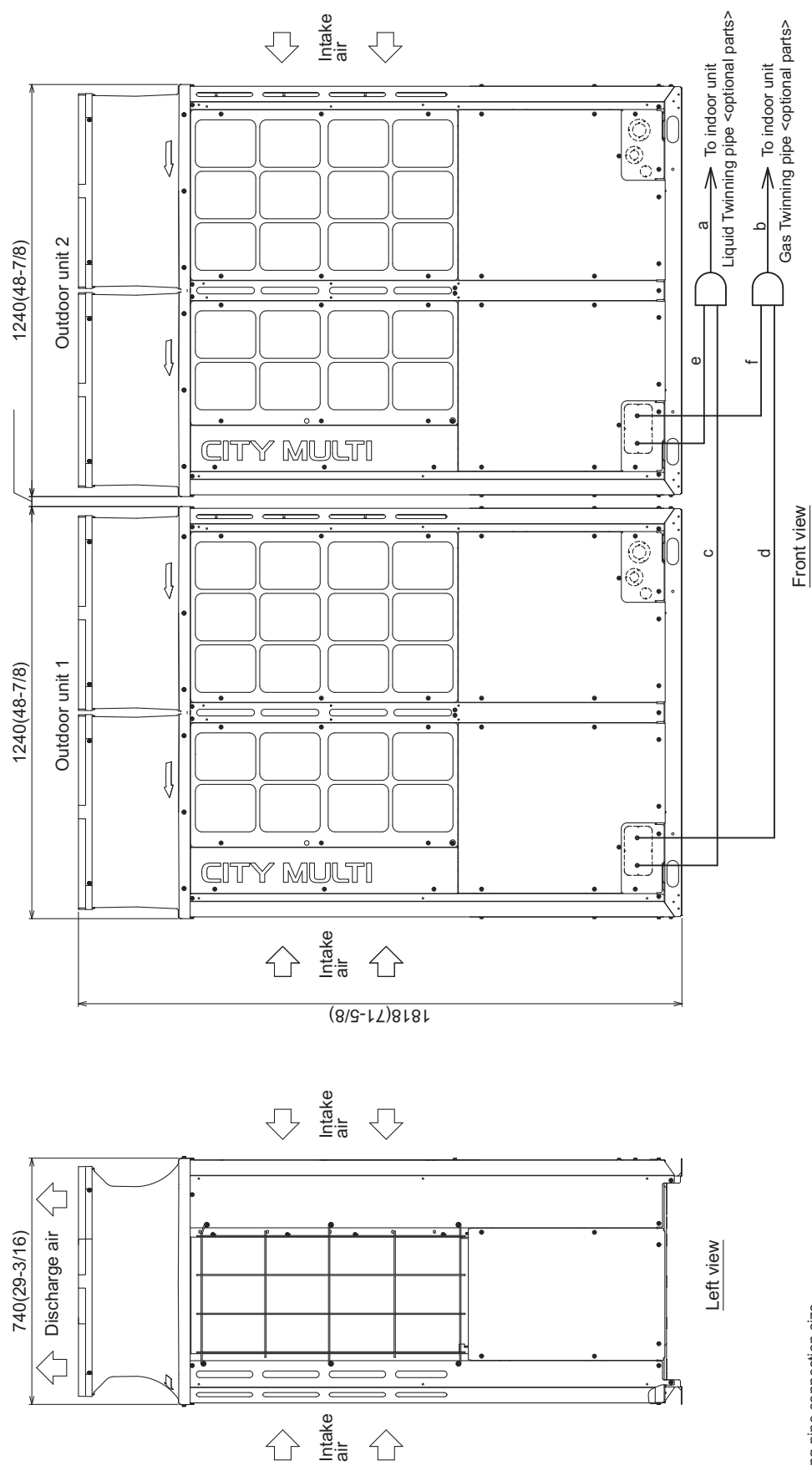
Outdoor Model				PUHY-EP216TSNU-A (-BS)					
Indoor Model				Non-Ducted		Ducted			
Power source				3-phase 3-wire 208-230 V ±10% 60 Hz					
Cooling capacity *1 (Nominal)			BTU/h	216,000					
			kW	63.3					
			Power input	15.7					
			(208-230) Current input	A 48.4-43.7					
(Rated)			BTU/h	206,000					
			kW	60.4					
			Power input	18.31		18.94			
			(208-230) Current input	A 56.4-51.0		58.4-52.8			
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	243,000					
			kW	71.2					
			Power input	18.18					
			(208-230) Current input	A 56.0-50.7					
			(Rated)			BTU/h	232,000		
						kW	68.0		
			Power input	16.39		16.94			
			(208-230) Current input	A 50.5-45.7		52.2-47.2			
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>		81.0/83.0			
Refrigerant			Liquid pipe	in. (mm)		5/8 (15.88) Brazed			
piping diameter			Gas pipe	in. (mm)		1-3/8 (24.93) Brazed			

Set Model				
Model		PUHY-EP120TNU-A (-BS)		PUHY-EP96TNU-A (-BS)
Minimum Circuit Ampacity (*)		A	55-49	44-40
Maximum Overcurrent Protection (*)		A	90-80	70-60
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	0.46+0.46	
	*4 External static press.		0 in.WG (0 Pa)	
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter	
	Motor output	kW	7.4 x 1	
	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	
		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		-	
Refrigerant	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	
	Control		LEV and HIC circuit	
Net weight		lbs (kg)	633 (287)	
Heat exchanger		Salt-resistant cross fin & aluminum tube		Salt-resistant cross fin & aluminum 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) Braze	
	Gas pipe	in. (mm)	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		

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

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Module: PUHY-EP216TSNU-A-TH(-BS) - DIMENSIONS



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

Package unit name	PUHY-EP120TSNU-A(-BS)	PUHY-EP216TSNU-A(-BS)	PUHY-EP240TSNU-A(-BS)
Component unit name	Outdoor unit 1 PUHY-EP96TNU-A(-BS)	Outdoor unit 2 PUHY-EP96TNU-A(-BS)	Outdoor unit 1 PUHY-EP120TNU-A(-BS)
Outdoor Twinning Kf(optional parts)	CMY-Y100CBK3		
Indoor unit ~Twinning pipe	Liquid a	Gas b	Gas c
	ø15.88(5/8)	ø28.58(1-1/8)	ø34.93(1-3/8)

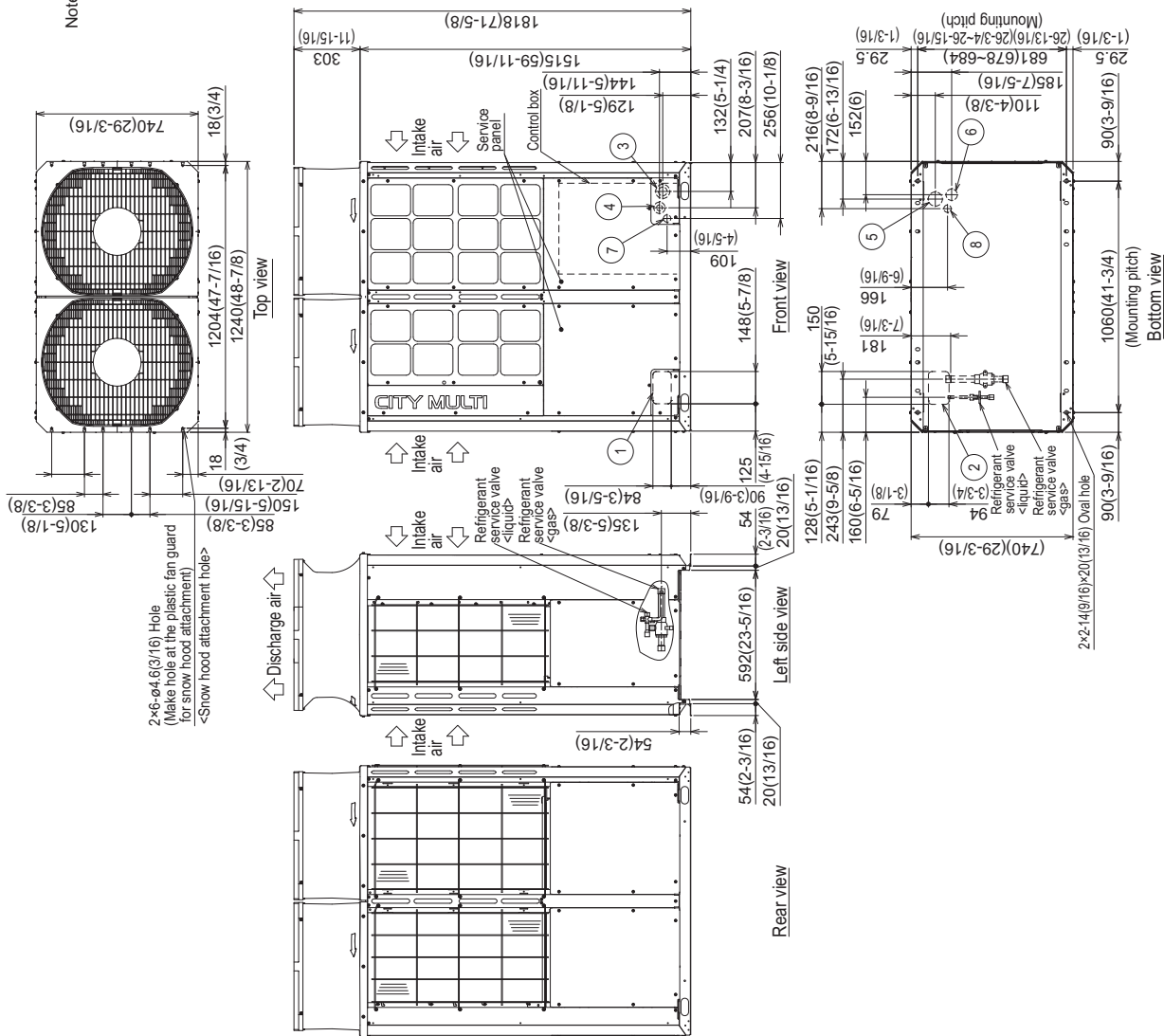
- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
- Note 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
- Note 3. Be sure to see the Installation Manual for details of Twinning pipe installation.
- Note 4. The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

Unit: mm (in.)

Module: PUHY-EP96_120TNU-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	
	Liquid	Gas	Liquid	Gas
EP96	ø9.52(3/8) Brazed	ø12.7(1/2) Brazed*1,3	ø12.7(1/2)	ø28.58(1-1/8)
EP120	ø9.52(3/8) Brazed	ø12.7(1/2) Brazed*1,2,4	ø12.7(1/2)	ø28.58(1-1/8)
EP144	ø12.7(1/2) Brazed	ø28.58(1-1/8) Brazed	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	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	For wires	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	For transmission cables	Bottom through hole ø34(1-3/8) Knockout hole

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