

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP192TSNU-A-TH

Seacoast (BS) Model PUHY-EP192TSNU-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-EP192TSNU-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	192,000				
			kW	56.3				
(208-230)			Power input	kW				13.57
			Current input	A				41.8-37.8
(Rated)			BTU/h	184,000				
			kW	53.9				
(208-230)			Power input	kW		15.92	15.83	
			Current input	A		49.0-44.4	48.8-44.1	
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	216,000				
			kW	63.3				
(208-230)			Power input	kW				15.74
			Current input	A				48.5-43.9
(Rated)			BTU/h	206,000				
			kW	60.4				
(208-230)			Power input	kW		14.24	14.62	
			Current input	A		43.9-39.7	45.0-40.7	
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 connectable			Total capacity		50~130% of outdoor unit capacity			
			Model/Quantity		P04~P96/1~48			
Sound power level (measured in anechoic room) *3				dB <A>		78.5/81.0		
Refrigerant			Liquid pipe	in. (mm)	5/8 (15.88) Brazed			
piping diameter			Gas pipe	in. (mm)	1-1/8 (28.58) Brazed			

Set Model

Model			PUHY-EP96TNU-A (-BS)		PUHY-EP96TNU-A (-BS)	
Minimum Circuit Ampacity (*)		A	44-40		44-40	
Maximum Overcurrent Protection (*)		A	70-60		70-60	
FAN	Type x Quantity		Propeller fan x 2		Propeller fan x 2	
	Airflow rate	cfm	6,700		6,700	
		m3/min	190		190	
	Control, Driving mechanism		Inverter-control, Brushless DC motor		Inverter-control, Brushless DC motor	
	Motor output	kW	0.46+0.46		0.46+0.46	
Compressor	External static press.		0 in.WG (0 Pa)		0 in.WG (0 Pa)	
	Type x Quantity		Inverter scroll hermetic compressor x 1		Inverter scroll hermetic compressor x 1	
	Starting method		Inverter		Inverter	
	Motor output	kW	5.4 x 1		5.4 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)	622 (282)		622 (282)	
Heat exchanger			Salt-resistant cross fin & aluminium tube		Salt-resistant cross fin & aluminium 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)	3/8 (9.52) Brazed		3/8 (9.52) Brazed	
	Gas pipe	in. (mm)	7/8 (22.2) Brazed		7/8 (22.2) 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:

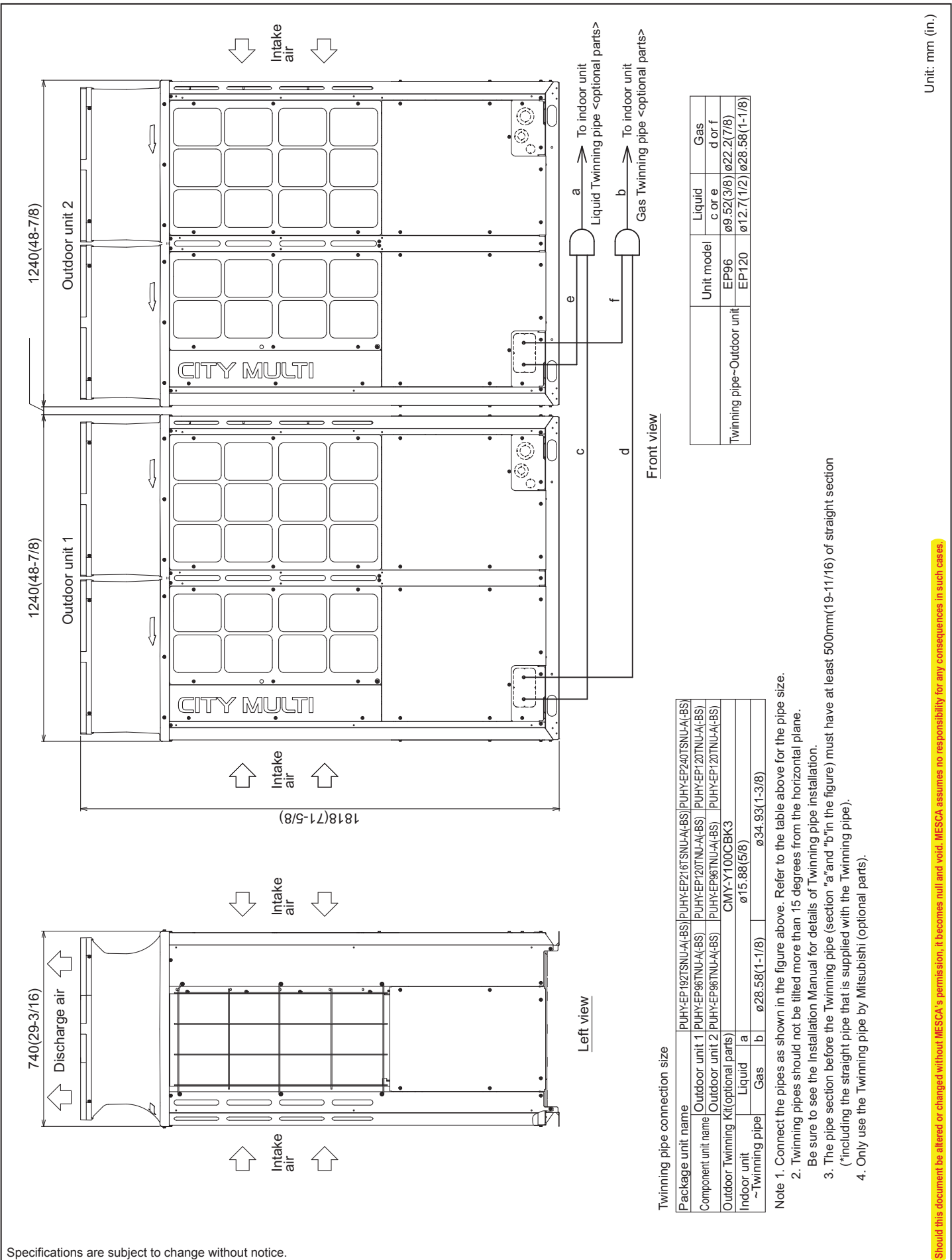
- Cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F DB, 67°F WB, (26.7°C DB, 19.4°C WB), Outdoor: 95°F DB, (35°C DB)
- Heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F DB, (21.1°C DB), Outdoor: 47°F DB, 43°F WB, (8.3°C DB, 6.1°C WB)
- Cooling mode/Heating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

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

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Module: PUHY-EP192TSNU-A-TH(-BS) - DIMENSIONS



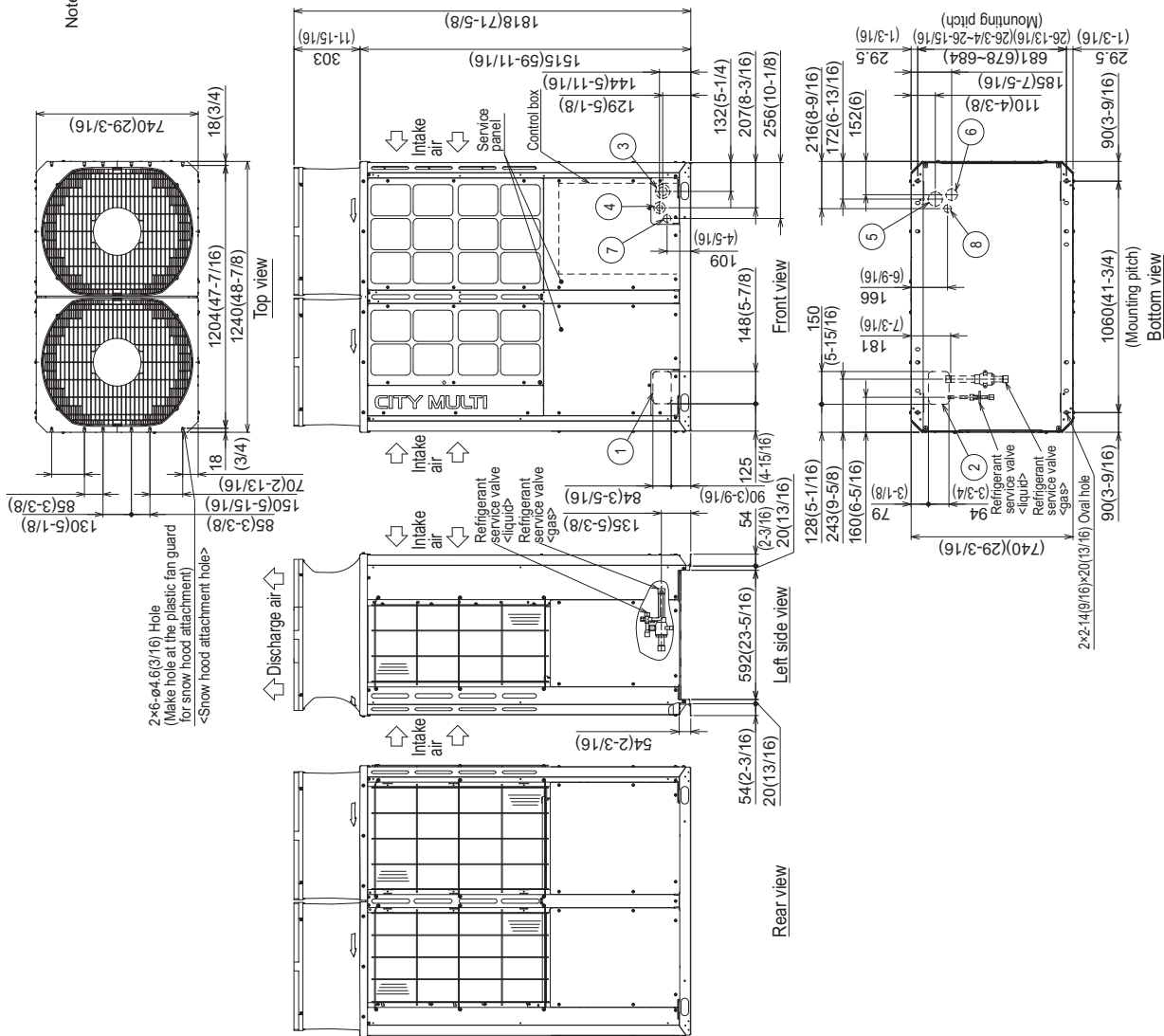
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Module: PUHY-EP96TNU-A-TH(-BS) - DIMENSIONS

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			
EP120	ø12.7(1/2) Brazed*1,3	ø22.2(7/8) Brazed*1,2	ø12.7(1/2)	ø28.58(1-1/8)
EP144	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	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	For transmission cables	Bottom through hole ø34(1-3/8) Knockout hole

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