

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP192TSNU-A1

Seacoast (BS) Model PUHY-EP192TSNU-A1-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-A1 (-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	
	Power input	kW	
		13.57	
	(208-230) Current input	A	
		41.8-37.8	
(Rated)	BTU/h	184,000	
		kW	
	Power input	kW	
		15.92	
	(208-230) Current input	A	
		49.0-44.4	
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	
(Rated)	kW	63.3	
		Power input	
	(208-230) Current input	kW	
		15.74	
	A	48.5-43.9	
		BTU/h	
(208-230)	BTU/h	206,000	
		kW	
	Power input	kW	
		14.24	
	(208-230) Current input	A	
		43.9-39.7	
Temp. range of heating	Indoor	D.B.	
		59~81°F (15~27°C)	
	Outdoor	W.B.	
		-13~60°F (-25~15.5°C)	
	Total capacity	50~130% of outdoor unit capacity	
		Model/Quantity	
Indoor unit connectable	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) Braze	
		Gas pipe	
piping diameter	in. (mm)	1-1/8 (28.58) Braze	
		Set Model	
	Model		PUHY-EP96TNU-A1 (-BS)
	Minimum Circuit Ampacity (*)		A
	Maximum Overcurrent Protection (*)		A
	FAN		Type x Quantity
	Airflow rate		cfm
	m3/min		6,700
	Control, Driving mechanism		Inverter-control, Brushless DC motor
	Motor output		0.46+0.46
	kW		0.46+0.46
	External static press.		0 in.WG (0 Pa)
	Compressor		Type x Quantity
	Starting method		Inverter
	Motor output		5.4 x 1
	Case heater		0.045
	Lubricant		MEL32
	External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type)
	External dimension H x W x D		in.
	mm		71-5/8 x 48-7/8 x 29-3/16
	Protection devices		High pressure protection
	Inverter circuit (COMP./FAN)		Over-current protection
	Fan motor		-
	Refrigerant		Type x original charge
	Control		LEV and HIC circuit
	Net weight		lbs (kg)
	Heat exchanger		Salt-resistant cross fin & aluminium tube
	HIC circuit (HIC: Heat Inter-Change)		Copper pipe, tube-in-tube structure
	Pipe between unit and distributor		Liquid pipe
	Gas pipe		in. (mm)
	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:

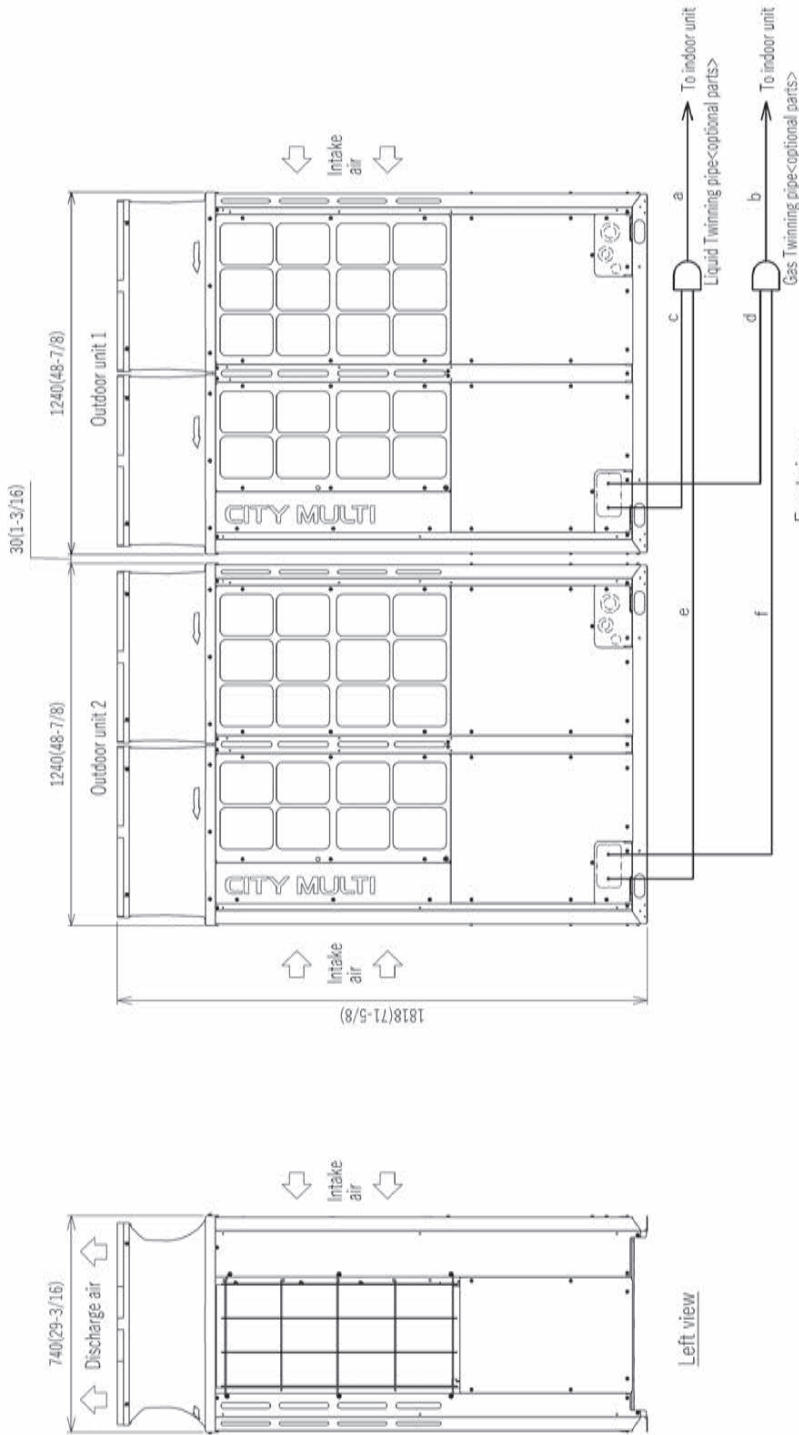
- Cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F DB, 67°F WB, (26.7°C DB, 19.4°C WB), Outdoor: 95°F DB, (35°C DB)
- Heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F DB, (21.1°C DB), Outdoor: 47°F DB, (8.3°C DB), (8.3°C DB, 1.1°C WB)
- Cooling mode/Heating 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. Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.

Module: PUHY-EP192TSNU-A1(-BS) - DIMENSIONS

Unit: mm (in.)



Twinning pipe connection size

Package unit name	(E)P192T/YSNU	(E)P96T/YSNU	P216T/YSNU	EP216T/YSNU	P240T/YSNU	EP240T/YSNU
Outdoor unit 1	(E)P96T/YSNU	P120T/YSNU	P120T/YSNU	EP120T/YSNU	P120T/YSNU	EP120T/YSNU
Outdoor unit 2	(E)P96T/YSNU	P96T/YSNU	P96T/YSNU	EP96T/YSNU	P120T/YSNU	EP120T/YSNU
Outdoor Twinning Kit(optional parts)	CMY-Y100CBK3	CMY-Y100CBK3	CMY-Y100CBK3	CMY-Y100CBK2	CMY-Y100CBK3	CMY-Y300CBK2
Indoor unit						
-Twinning pipe	a	φ 15.88(5/8)	φ 15.88(5/8)	φ 15.88(5/8)	φ 15.88(5/8)	φ 15.88(5/8)
Gas	b	φ 28.58(1-1/8)	φ 28.58(1-1/8)	φ 34.93(1-3/8)	φ 28.58(1-1/8)	φ 34.93(1-3/8)
Liquid	c	φ 9.52(3/8)	φ 12.7(1/2)	φ 12.7(1/2)	φ 12.7(1/2)	φ 12.7(1/2)
-Outdoor unit 1	d	φ 22.2(7/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)
Liquid	e	φ 9.52(3/8)	φ 9.52(3/8)	φ 9.52(3/8)	φ 12.7(1/2)	φ 12.7(1/2)
-Outdoor unit 2	f	φ 22.2(7/8)	φ 22.2(7/8)	φ 22.2(7/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)
Gas						

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
2. Twinning pipes must be installed horizontally using a level vessel.
- 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).

Module: PUHY-EP96TNU-A1(-BS) - DIMENSIONS

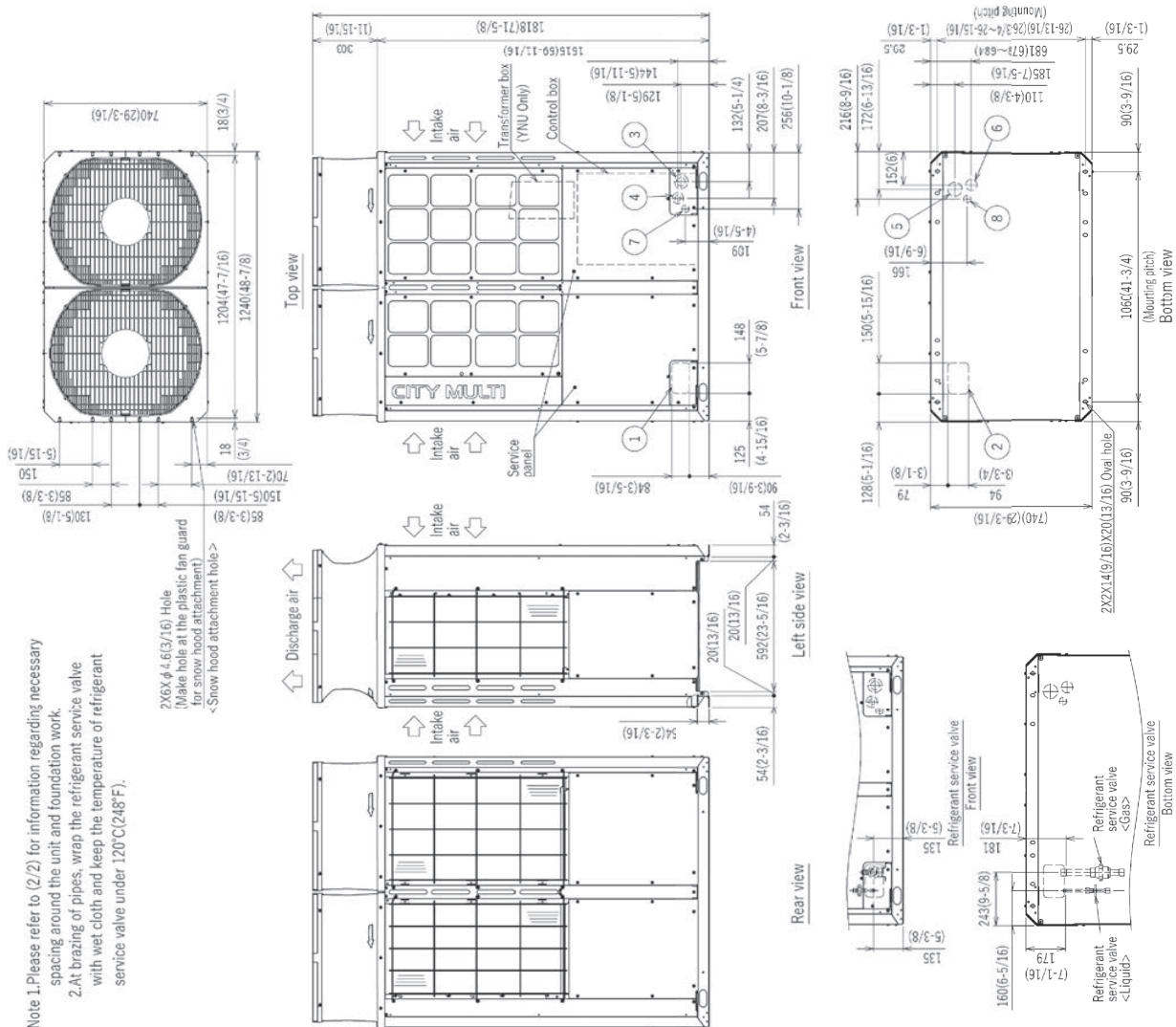
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe *1		Service valve	
	Liquid	Gas	Liquid	Gas
(E)P96	φ52(3/8)	φ22(7/8)	Brazed	φ12.7(1/2)
(E)P96	φ12.7(1/2)	φ22(7/8)	Brazed	φ28.58(1-1/8)
(E)P120	φ52(3/8)	φ28.58(1-1/8)	Brazed	φ12.7(1/2)
(E)P120	φ12.7(1/2)	φ28.58(1-1/8)	Brazed	φ28.58(1-1/8)
(E)P144	φ12.7(1/2)	φ28.58(1-1/8)	Brazed	φ12.7(1/2)
(E)P144	φ12.7(1/2)	φ28.58(1-1/8)	Brazed	φ28.58(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 (295ft)
- *4 Furthest piping length (OU from IU) ≈ 40m (131ft)

No.	Usage	Specifications
①	For pipes	Front through hole 148(5-7/8) X 84(3-1/5)
②	For pipes	Bottom through hole 150(5-15/16) X 94(3-3/4)
③	For pipes	Front through hole 150(5-15/16) X 94(3-3/4)
④	For pipes	Front through hole 150(5-15/16) X 94(3-3/4)
⑤	For pipes	Front through hole 150(5-15/16) X 94(3-3/4)
⑥	For pipes	Front through hole 150(5-15/16) X 94(3-3/4)
⑦	For pipes	Front through hole 150(5-15/16) X 94(3-3/4)
⑧	For pipes	Front through hole 150(5-15/16) X 94(3-3/4)



Note 1. Please refer to (2/2) 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).

2X6X 4-6(3/16) Hole
 (Make hole at the plastic fan guard
 for snow hood attachment)
 <Snow hood attachment hole>

