

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP216TSNU-A1

Seacoast (BS) Model PUHY-EP216TSNU-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-EP216TSNU-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	216,000			
			kW	63.3			
			Power input	kW	15.7		
(208-230)	(Rated)	Current input	A	48.4-43.7			
		BTU/h	206,000				
		kW	60.4				
(208-230)	(Rated)	Power input	kW	18.31	18.94		
		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	kW	18.18		
(208-230)	(Rated)	Current input	A	56.0-50.7			
		BTU/h	232,000				
		kW	68.0				
(208-230)	(Rated)	Power input	kW	16.39	16.94		
		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 connectable		Total capacity		50~130% of outdoor unit capacity			
		Model/Quantity		P04~P96/2~50			
Sound power level (measured in anechoic room) *3			dB <A>	81.0/83.0			
Refrigerant piping diameter		Liquid pipe	in. (mm)	5/8 (15.88) Brazed			
		Gas pipe	in. (mm)	1-3/8 (24.93) Brazed			

Set Model

Model			PUHY-EP120TNU-A1 (-BS)	PUHY-EP96TNU-A1 (-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	Propeller fan x 2
	Airflow rate	cfm	7,750	6,700
		m3/min	220	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
	*4 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	kW	7.4 x 1	5.4 x 1
	Case heater	kW	0.045	0.045
	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		-	-
	Type x original charge		R410A x 21 lbs + 9 oz (9.8 kg)	R410A x 21 lbs + 9 oz (9.8 kg)
Refrigerant	Control		LEV and HIC circuit	
Net weight		lbs (kg)	633 (287)	622 (282)
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) Brazed	3/8 (9.52) Brazed
	Gas pipe	in. (mm)	1-1/8 (28.58) 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).

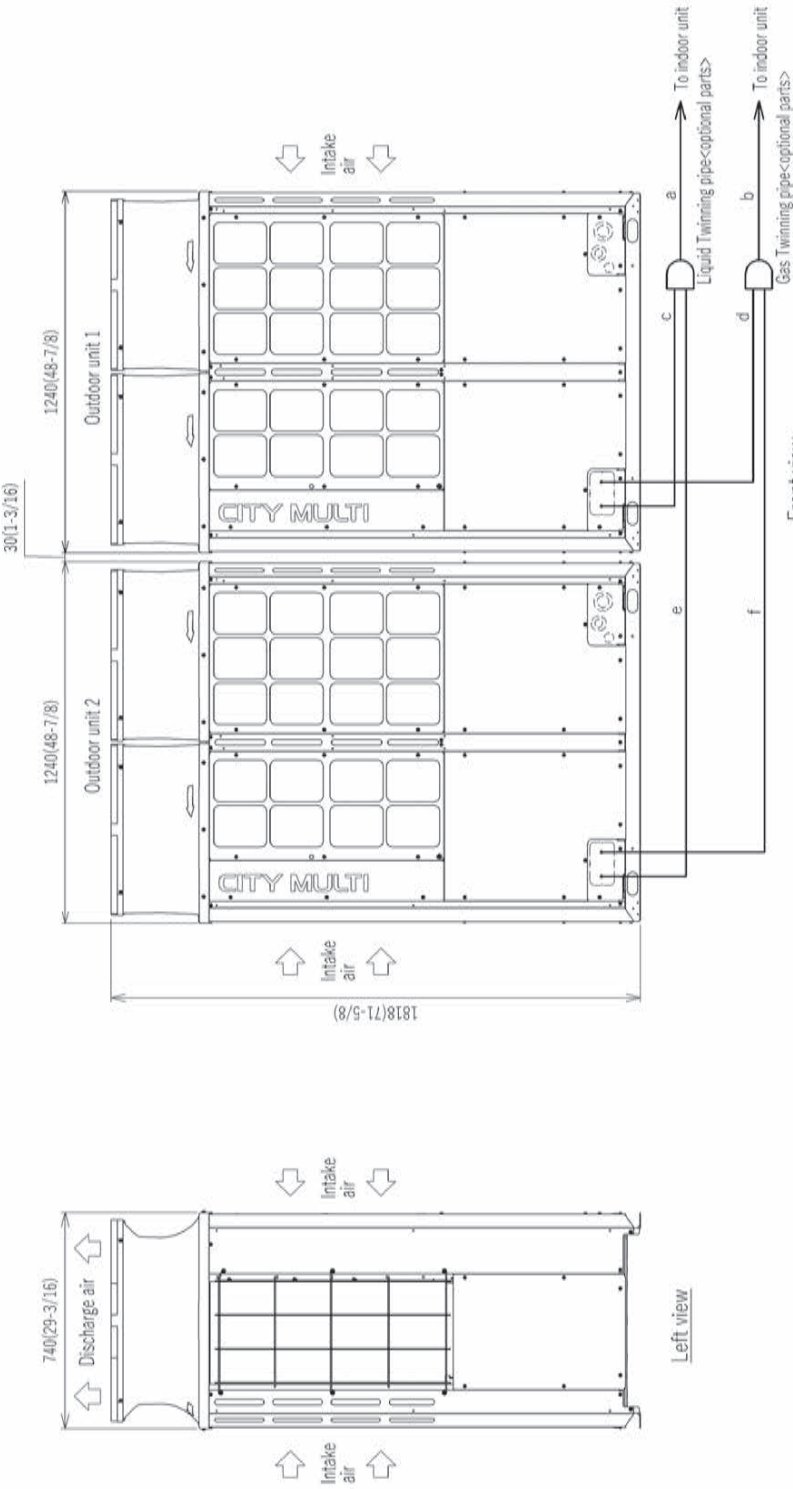
Specifications are subject to change without notice.

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

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Module: PUHY-EP216TSNU-A1(-BS) - DIMENSIONS

Unit: mm (in.)



Twinning pipe connection size

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

- 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).

Unit: mm (in.)

Connecting pipe specifications

Model	Refrigerant pipe *1		Diameter
	Liquid	Gas	
(E)P96	φ 9.52 (3/8)	Brazed	Service valve Liquid Gas
(E)P96	φ 12.1 (1/2)	Brazed *3	φ 12.1 (1/2) φ 28.58 (1-1/8)
(E)P120	φ 9.52 (3/8)	Brazed	φ 12.1 (1/2) φ 28.58 (1-1/8)
(E)P120	φ 12.1 (1/2)	Brazed *4	φ 12.1 (1/2) φ 28.58 (1-1/8)
(E)P144	φ 12.1 (1/2)	Brazed	φ 12.1 (1/2) φ 28.58 (1-1/8)

***1** Connect the refrigerant pipe to the service valve according to the Installation Manual.

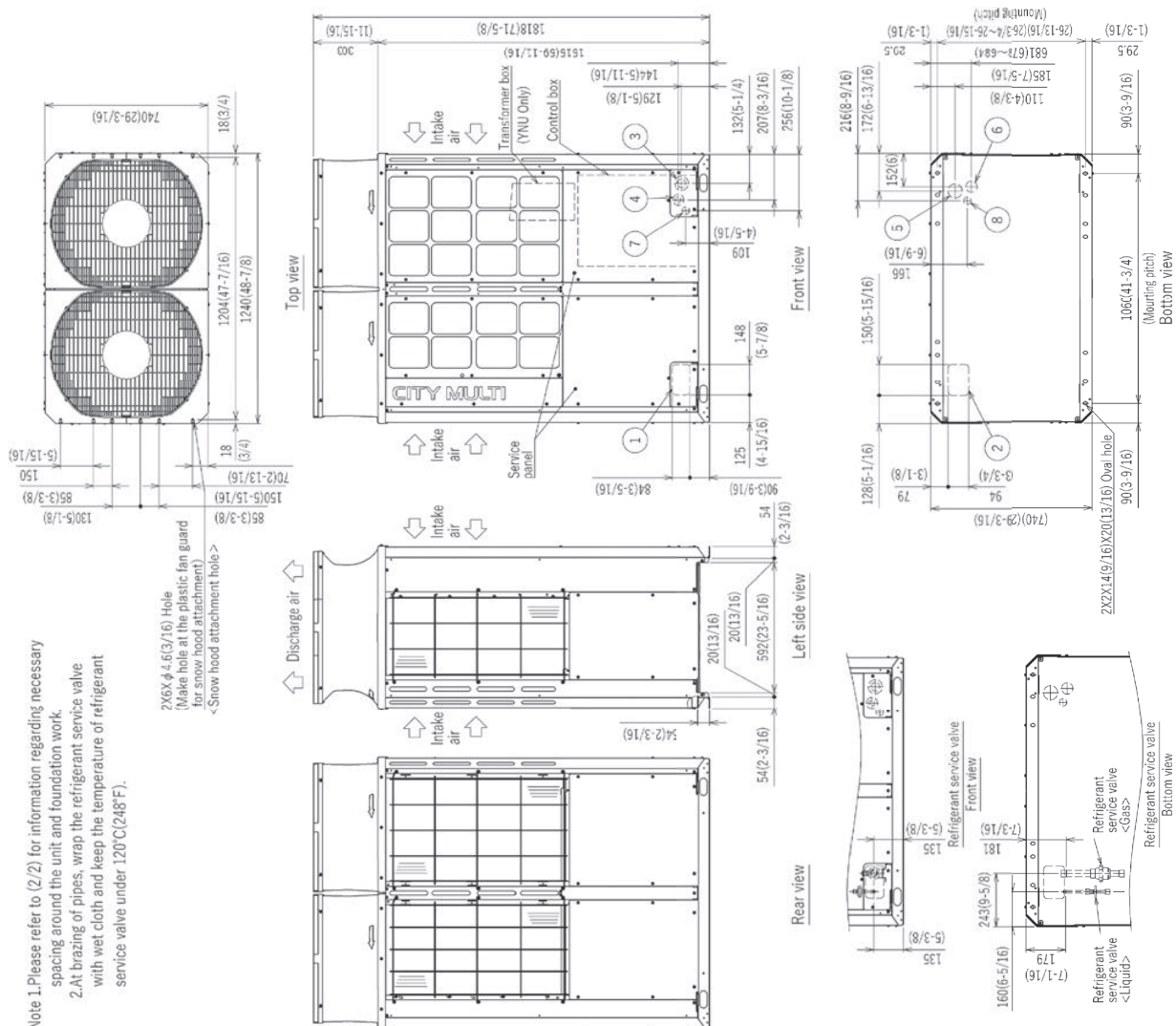
the information available.

*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) $\geq 90\text{m}$ (295ft)

*4 Furthest piping length (OU from IU) $\geq 40\text{m}$ (131ft)

No.	Usage	Specifications
①	Front through hole	1485/7 (8) X 843/3-5/16) Knockout hole
②	Bottom through hole	1505/5-17/20 X 943/3-3/4) Knockout hole
③	For pipes	1505/5-17/20 (or 34.5/1-3/8) Knockout hole
④	Front through hole	1467/2-1/2 (or 1-3/8) Knockout hole
⑤	Front through hole	1437/1-3/4 (or 1-22/27) 8) Knockout hole
⑥	Bottom through hole	1467/2-1/2) Knockout hole
⑦	For transmission	1552/2-1/16) Knockout hole
⑧	Front through hole	1434/1-3/8) Knockout hole
⑨	Bottom through hole	1434/1-3/8) Knockout hole



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