

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP288TSNU-A1

Seacoast (BS) Model PUHY-EP288TSNU-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-PH01EHYU-E) (x1)

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-EP288TSNU-A1 (-BS)	
Indoor Model			Non-Ducted	Ducted
Power source			3-phase 3-wire 208-230 V ±10% 60 Hz	
Cooling capacity *1 (Nominal)	(208-230)	BTU/h	288,000	
		kW	84.4	
		Power input	kW 21.79	
		Current input	A 67.2-60.7	
	(Rated)	BTU/h	276,000	
		kW	80.9	
		Power input	kW 25.44	24.64
		Current input	A 78.4-70.9	75.9-68.7
	(208-230)			
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)	(208-230)	BTU/h	323,000	
		kW	94.7	
		Power input	kW 24.54	
		Current input	A 75.6-68.4	
	(Rated)	BTU/h	308,000	
		kW	90.3	
		Power input	kW 22.60	22.57
		Current input	A 69.7-63.0	69.6-62.9
	(208-230)			
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> 82.0/83.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Brazed	
	Gas pipe	in. (mm)	1-3/8 (34.93) Brazed	

Set Model

Model			PUHY-EP120TNU-A1 (-BS)	PUHY-EP96TNU-A1 (-BS)	PUHY-EP72TNU-A1 (-BS)
Minimum Circuit Ampacity (*)		A	55-49	44-40	32-29
Maximum Overcurrent Protection (*)		A	90-80	70-60	50-45
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 1
	Airflow rate	cfm	7,750	6,700	6,000
		m3/min	220	190	170
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.46+0.46	0.46+0.46	0.92
	*4 External static press.		0 in.WG (0 Pa)	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	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	7.4 x 1	5.4 x 1	3.6 x 1
	Case heater	kW	0.045	0.045	0.045
	Lubricant		MEL32	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>	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	71-5/8 x 36-1/4 x 29-3/16
		mm	1,818 x 1,240 x 740	1,818 x 1,240 x 740	1,818 x 920 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)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)		Over-current protection	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)	R410A x 14 lbs + 5 oz (6.5 kg)
	Control		LEV and HIC circuit		
Net weight		lbs (kg)	633 (287)	622 (282)	512 (232)
Heat exchanger			Salt-resistant cross fin & aluminium tube	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	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	3/8 (9.52) Brazed
	Gas pipe	in. (mm)	1-1/8 (28.58) Brazed	7/8 (22.2) Brazed	7/8 (22.2) Brazed
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:

- 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).

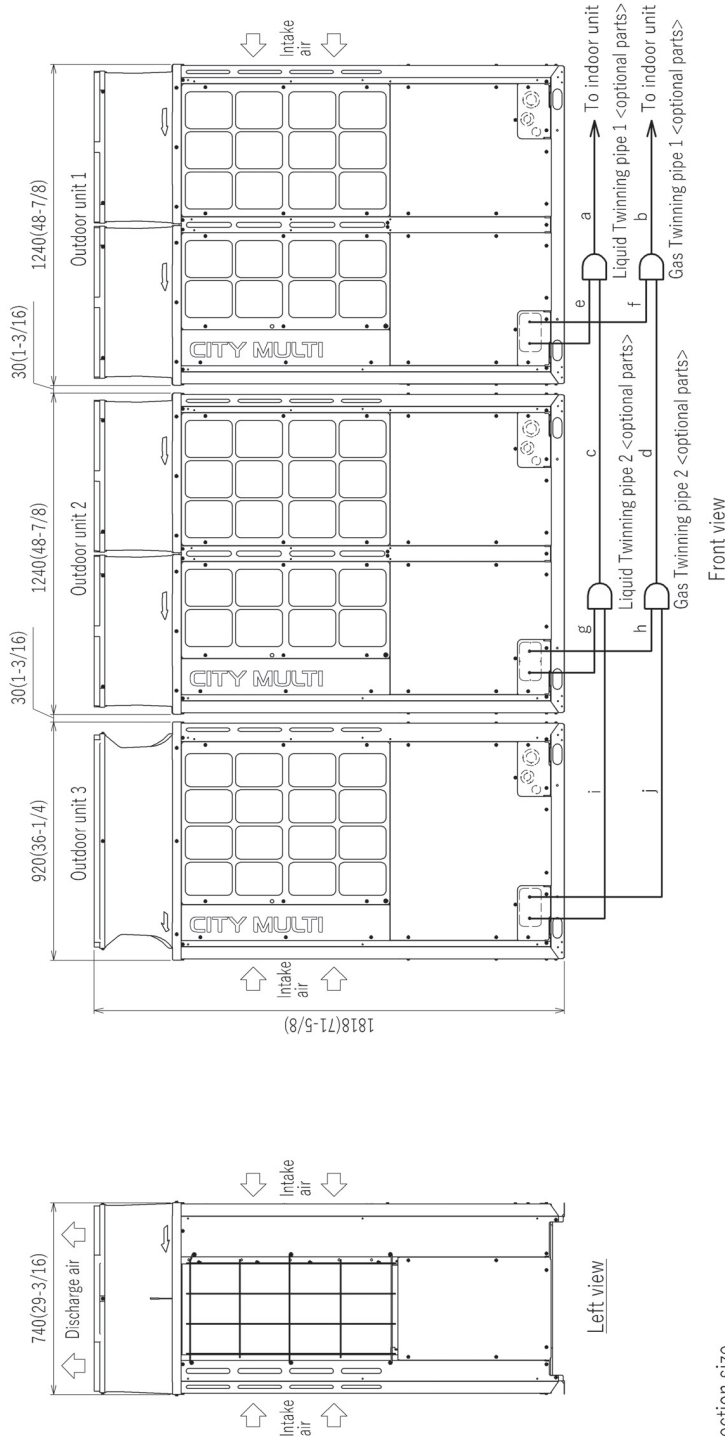
Specifications are subject to change without notice.

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

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Module: PUHY-EP288TSNU-A1(-BS) - DIMENSIONS

Unit: mm (in.)



Twinning pipe connection size

Package unit name	(E)P264T/YSNU	(E)P288T/YSNU	(E)P312T/YSNU
Outdoor unit 1	(E)P96T/YSNU	(E)P120T/YSNU	(E)P120T/YSNU
Outdoor unit 2	(E)P96T/YSNU	(E)P96T/YSNU	(E)P120T/YSNU
Outdoor unit 3	(E)P72T/YSNU	(E)P72T/YSNU	(E)P72T/YSNU
Outdoor Twinning Kit(optional parts)	CMY-Y300CBK2	CMY-Y300CBK2	CMY-Y300CBK2
Indoor unit	Liquid	a	φ 19.05(3/4)
~Twinning pipe 1	Gas	b	φ 34.93(1-3/8)
Twinning pipe 1	Liquid	c	φ 19.05(3/4)
~Twinning pipe 2	Gas	d	φ 34.93(1-3/8)
Twinning pipe 2	Liquid	e	φ 12.7(1/2)
~Outdoor unit 1	Gas	f	φ 28.58(1-1/8)
Twinning pipe 2	Liquid	g	φ 9.52(3/8)
~Outdoor unit 2	Gas	h	φ 22.2(7/8)
Twinning pipe 2	Liquid	i	φ 9.52(3/8)
~Outdoor unit 3	Gas	j	φ 22.2(7/8)

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", "b", "c" and "d" 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-EP72TNU-A1(-BS) - DIMENSIONS

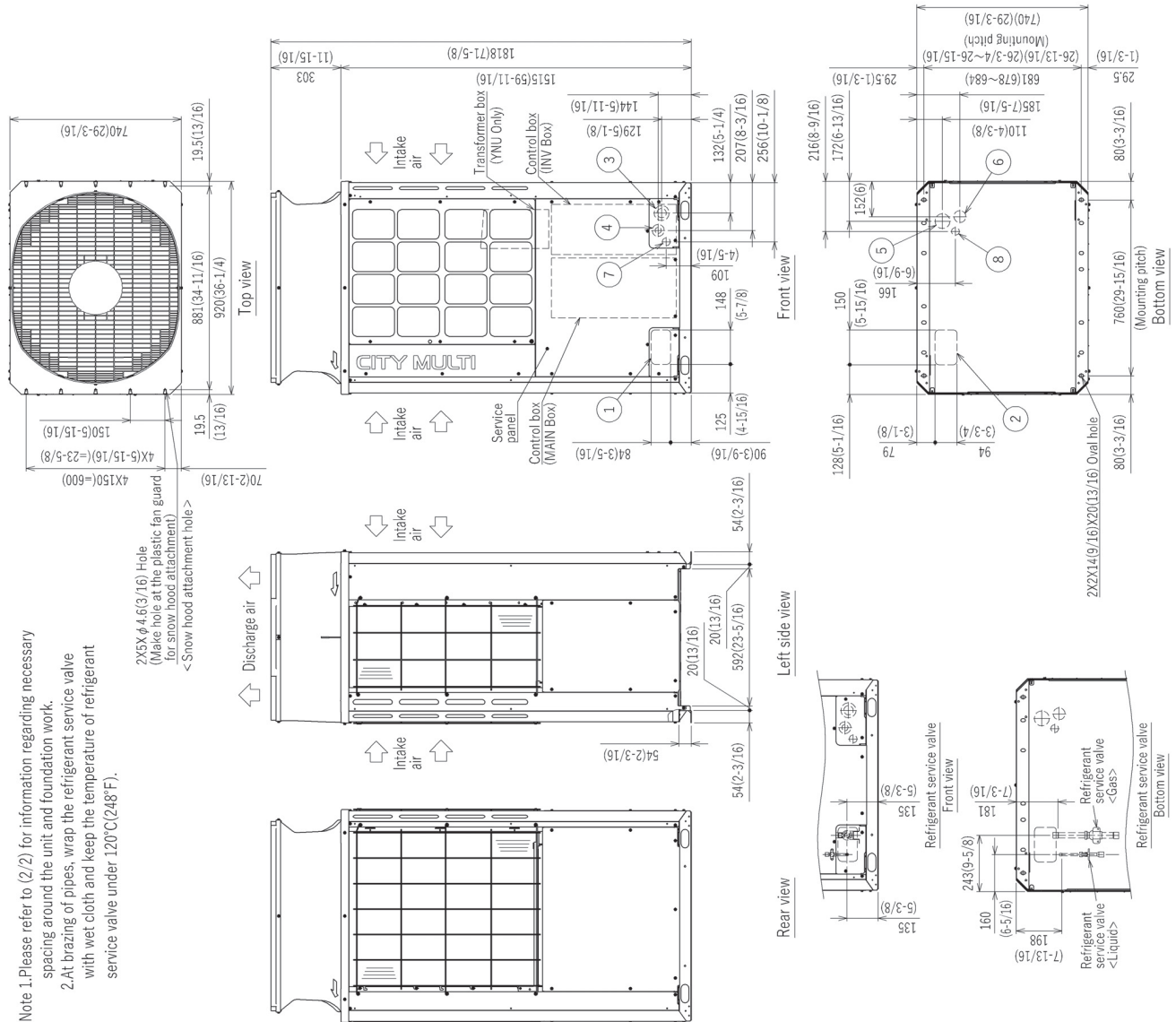
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe *1		Service valve	
	Liquid	Gas	Liquid	Gas
(E)P72	φ9.52(3/8)	φ22.2(7/8)	φ9.52(3/8)	φ22.2(7/8)

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

No.	Usage	Specifications
①	Front through hole	148(5~7/8) X 84(3~5/16) Knockout hole
②	For pipes	Bottom through hole 150(5~15/16) X 94(3~3/4) Knockout hole
③		Front through hole $\phi 62.7(2-1/2)$ or $\phi 34.5(1-3/8)$ Knockout hole
④		Front through hole $\phi 67.3(2-1/4)$ or $\phi 22.7(7/8)$ Knockout hole
⑤	For wires	Bottom through hole $\phi 65(2-9/16)$ Knockout hole
⑥		Bottom through hole $\phi 52(2-1/16)$ Knockout hole
⑦		Front through hole $\phi 34(1-3/8)$ Knockout hole
⑧	For transmission	Bottom through hole $\phi 34(1-3/8)$ Knockout hole



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Module: PUHY-EP96_120TNU-A1(-BS) - DIMENSIONS

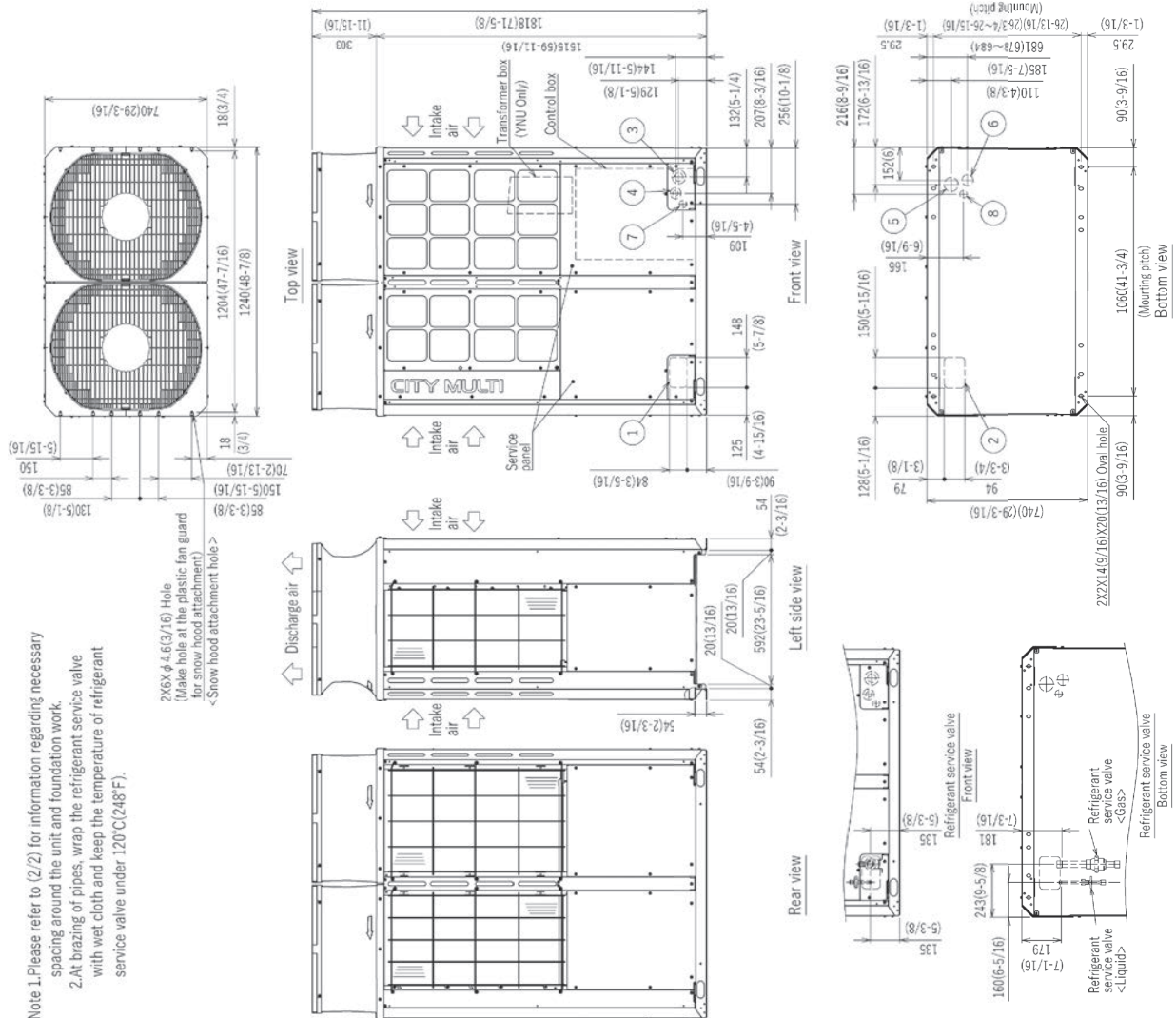
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter		
	Refrigerant pipe *1		Service valve
	Liquid	Gas	
(E)P96	φ52(3/8)	φ22(7/8)	φ12.7(1/2)
(E)P96	φ12.7(1/2)	φ22(7/8)	φ28.58(1-1/8)
(E)P120	φ52(3/8)	φ28.58(1-1/8)	φ12.7(1/2)
(E)P120	φ12.7(1/2)	φ28.58(1-1/8)	φ28.58(1-1/8)
(E)P144	φ12.7(1/2)	φ28.58(1-1/8)	φ12.7(1/2)
(E)P144	φ12.7(1/2)	φ28.58(1-1/8)	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 162(7-1/2) or 164(3-1/8)
④	For pipes	Front through hole 162(7-1/2) or 164(3-1/8)
⑤	For pipes	Bottom through hole 165(2-9/16)
⑥	For pipes	Bottom through hole 165(2-9/16)
⑦	For transmission cables	Front through hole 165(2-9/16)
⑧	For transmission cables	Bottom through hole 165(2-9/16)



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