

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP336TSNU-A1

Seacoast (BS) Model PUHY-EP336TSNU-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) (x3)

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.

Model				PUHY-EP336TSNU-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	336,000			
			kW	98.5			
(208-230)	Power input	kW	26.34				
	Current input	A	81.2-73.4				
(Rated)	BTU/h	320,000					
	kW	93.8					
(208-230)	Power input	kW	31.40	29.39			
	Current input	A	96.8-87.5	90.6-81.9			
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	378,000			
			kW	110.8			
(208-230)	Power input	kW	30.01				
	Current input	A	92.5-83.7				
(Rated)	BTU/h	360,000					
	kW	105.5					
(208-230)	Power input	kW	28.07	26.99			
	Current input	A	86.5-78.2	83.2-75.2			
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>	83.5/85.0			
Refrigerant		Liquid pipe	in. (mm)	3/4 (19.05) Brazed			
piping diameter		Gas pipe	in. (mm)	1-5/8 (41.28) Brazed			

Set Model

Model		PUHY-EP120TNU-A1 (-BS)	PUHY-EP120TNU-A1 (-BS)	PUHY-EP96TNU-A1 (-BS)
Minimum Circuit Ampacity (*)		A 55-49	A 55-49	A 44-40
Maximum Overcurrent Protection (*)		A 90-80	A 90-80	A 70-60
FAN	Type x Quantity	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm 7,750	cfm 7,750	cfm 6,700
		m3/min 220	m3/min 220	m3/min 190
	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	kW 0.46+0.46	kW 0.46+0.46
	*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	kW 7.4 x 1	kW 5.4 x 1
	Case heater	kW 0.045	kW 0.045	kW 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 mm 1,818 x 1,240 x 740	in. 71-5/8 x 48-7/8 x 29-3/16 mm 1,818 x 1,240 x 740	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)	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 21 lbs + 9 oz (9.8 kg)
	Control	LEV and HIC circuit		
Net weight		lbs (kg) 633 (287)	lbs (kg) 633 (287)	lbs (kg) 622 (282)
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) Braided	in. (mm) 1/2 (12.7) Braided	in. (mm) 3/8 (9.52) Braided
	Gas pipe	in. (mm) 1-1/8 (28.58) Braided	in. (mm) 1-1/8 (28.58) Braided	in. (mm) 7/8 (22.2) Braided
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:

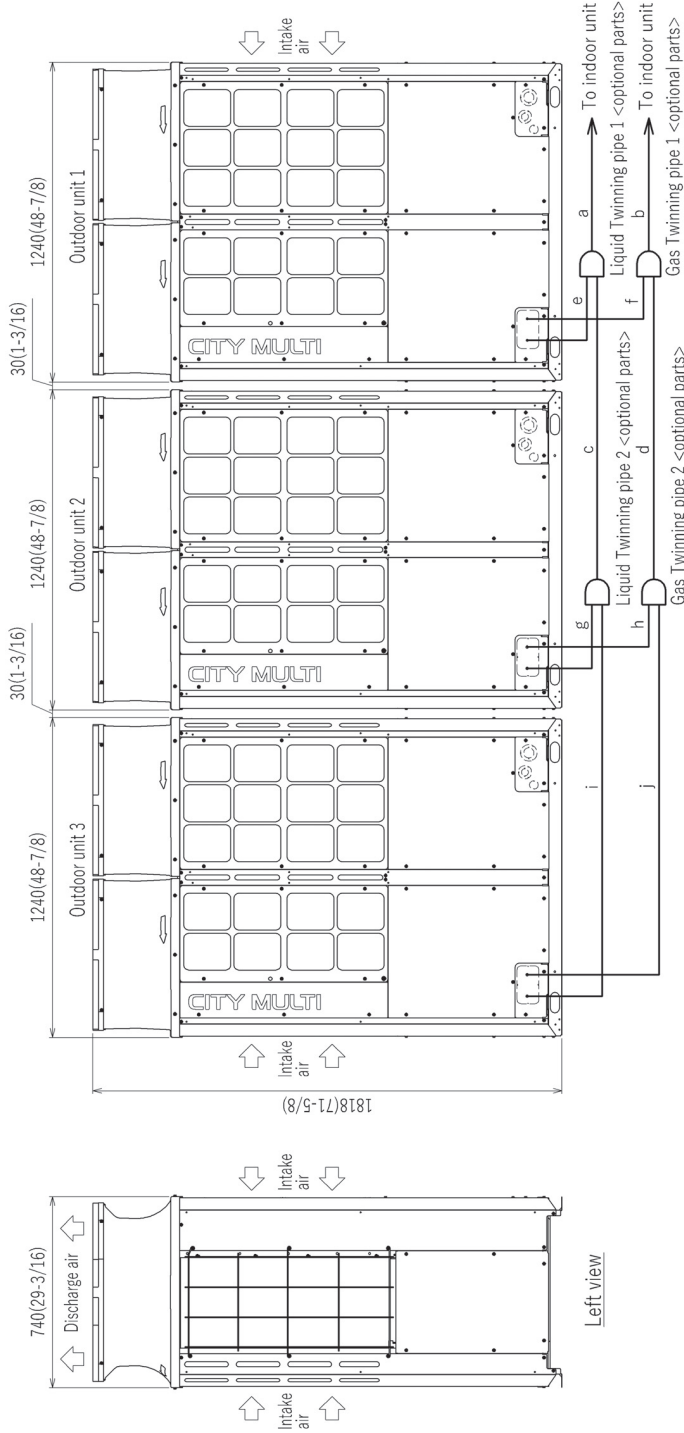
- Cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F DB/67°F WB, (26.7°C DB/19.4°C WB), Outdoor: 95°F DB, (35°C DB)
- Heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F DB, (21.1°C DB), Outdoor: 47°F DB/43°F WB, (8.3°C DB/6.1°C WB)
- Cooling mode/Heating mode
- 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. 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-EP336TSNU-A1(-BS) - DIMENSIONS

Unit: mm (in.)



Twinning pipe connection size

Package unit name	(E)P336T/YSNU	(E)P360T/YSNU	(E)P384T/YSNU	(E)P408T/YSNU	(E)P432T/YSNU
Outdoor unit 1	(E)P120T/YSNU	(E)P120T/YSNU	(E)P144T/YSNU	(E)P144T/YSNU	(E)P144T/YSNU
Outdoor unit 2	(E)P120T/YSNU	(E)P120T/YSNU	(E)P120T/YSNU	(E)P120T/YSNU	(E)P120T/YSNU
Outdoor unit 3	(E)P96T/YSNU	(E)P96T/YSNU	CMY-Y300CBK2	CMY-Y300CBK2	CMY-Y300CBK2
Outdoor Twinning Kit (optional parts)	CMY-Y300CBK2	CMY-Y300CBK2	CMY-Y300CBK2	CMY-Y300CBK2	CMY-Y300CBK2
Indoor unit					
~Twinning pipe 1	a	φ 19.05(3/4)	φ 19.05(3/4)	φ 19.05(3/4)	φ 19.05(3/4)
~Twinning pipe 2	b	φ 41.28(1-5/8)	φ 41.28(1-5/8)	φ 41.28(1-5/8)	φ 41.28(1-5/8)
~Twinning pipe 1	c	φ 19.05(3/4)	φ 19.05(3/4)	φ 19.05(3/4)	φ 19.05(3/4)
~Twinning pipe 2	d	φ 34.93(1-3/8)	φ 34.93(1-3/8)	φ 34.93(1-3/8)	φ 34.93(1-3/8)
~Twinning pipe 1	e	φ 12.7(1/2)	φ 12.7(1/2)	φ 12.7(1/2)	φ 12.7(1/2)
~Twinning pipe 2	f	φ 28.58(1-1/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)
~Twinning pipe 1	g	φ 12.7(1/2)	φ 12.7(1/2)	φ 12.7(1/2)	φ 12.7(1/2)
~Twinning pipe 2	h	φ 28.58(1-1/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)	φ 28.58(1-1/8)
~Twinning pipe 1	i	φ 9.52(3/8)	φ 12.7(1/2)	φ 12.7(1/2)	φ 12.7(1/2)
~Twinning pipe 2	j	φ 22.2(7/8)	φ 28.58(1-1/8)	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.

3. Be sure to see the Installation Manual for details of Twinning pipe installation.

4. 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).

5. Only use the Twinning pipe by Mitsubishi (optional parts).

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

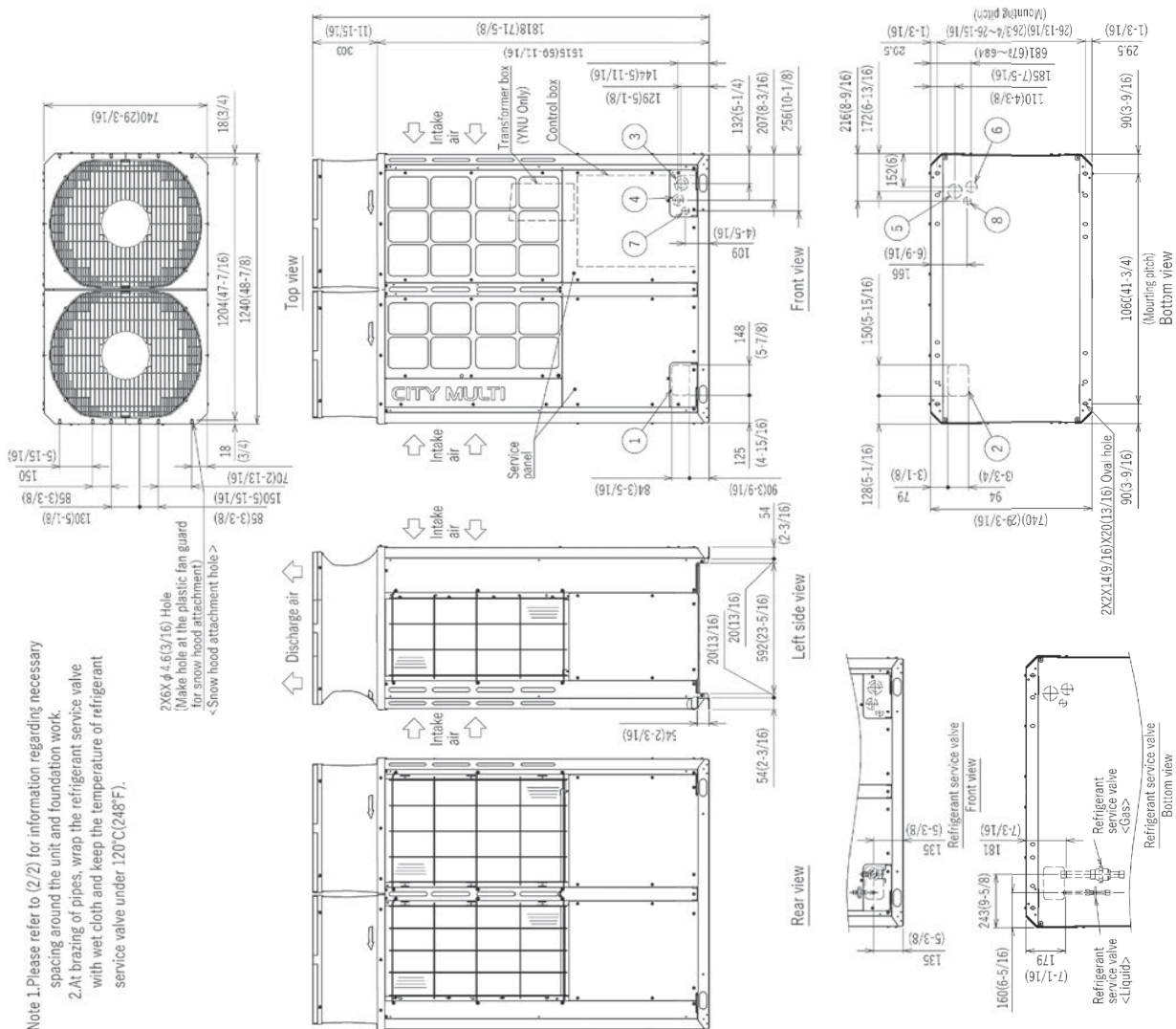
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe *1		Service valve	
	Liquid	Gas	Liquid	Gas
(E)P96	φ52(3/8)	φ22(7/8)	φ12(1/2)	φ28.58(1-1/8)
(E)P96	φ12(1/2)	φ22(7/8)	φ12(1/2)	φ28.58(1-1/8)
(E)P120	φ52(3/8)	φ28.58(1-1/8)	φ12(1/2)	φ28.58(1-1/8)
(E)P120	φ12(1/2)	φ28.58(1-1/8)	φ12(1/2)	φ28.58(1-1/8)
(E)P144	φ12(1/2)	φ28.58(1-1/8)	φ12(1/2)	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) Knockout hole
③	For pipes	Front through hole 162(7-1/2) or 164(3-1/8) Knockout hole
④	For wires	Front through hole 143(7-1/4) or 144(3-3/8) Knockout hole
⑤	For wires	Bottom through hole 165(2-9/16) Knockout hole
⑥	For wires	Bottom through hole 145(2-1/16) Knockout hole
⑦	For transmission cables	Front through hole 134(1-3/8) Knockout hole
⑧	For transmission cables	Bottom through hole 134(1-3/8) Knockout hole



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