

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PUHY-EP432TSNU-A-TH

Seacoast (BS) Model PUHY-EP432TSNU-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) (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.

Outdoor Model		PUHY-EP432TSNU-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	432,000	
		126.6	
	kW	37.39	
		115.3-104.2	
	A	410,000	
		120.2	
(208-230) (Rated)	BTU/h	44.00	
		40.19	
	kW	135.7-122.7	
		123.9-112.0	
	A	59-75°F (15-24°C)	
		23-126°F (-5-52°C)	
Heating capacity *2 (Nominal)	BTU/h	480,000	
		140.7	
	kW	40.45	
		124.7-112.8	
	A	455,000	
		133.4	
(208-230) (Rated)	BTU/h	38.29	
		36.46	
	kW	118.0-106.7	
		112.4-101.6	
	A	59-81°F (15-27°C)	
		-13-60°F (-25-15.5°C)	
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-P96/3-50	
Sound power level (measured in anechoic room) *3		dB <A> 89.0/88.5	
Refrigerant piping diameter	Liquid pipe	in. (mm)	3/4 (19.05) Braze
	Gas pipe	in. (mm)	1-5/8 (41.28) Braze

Set Model

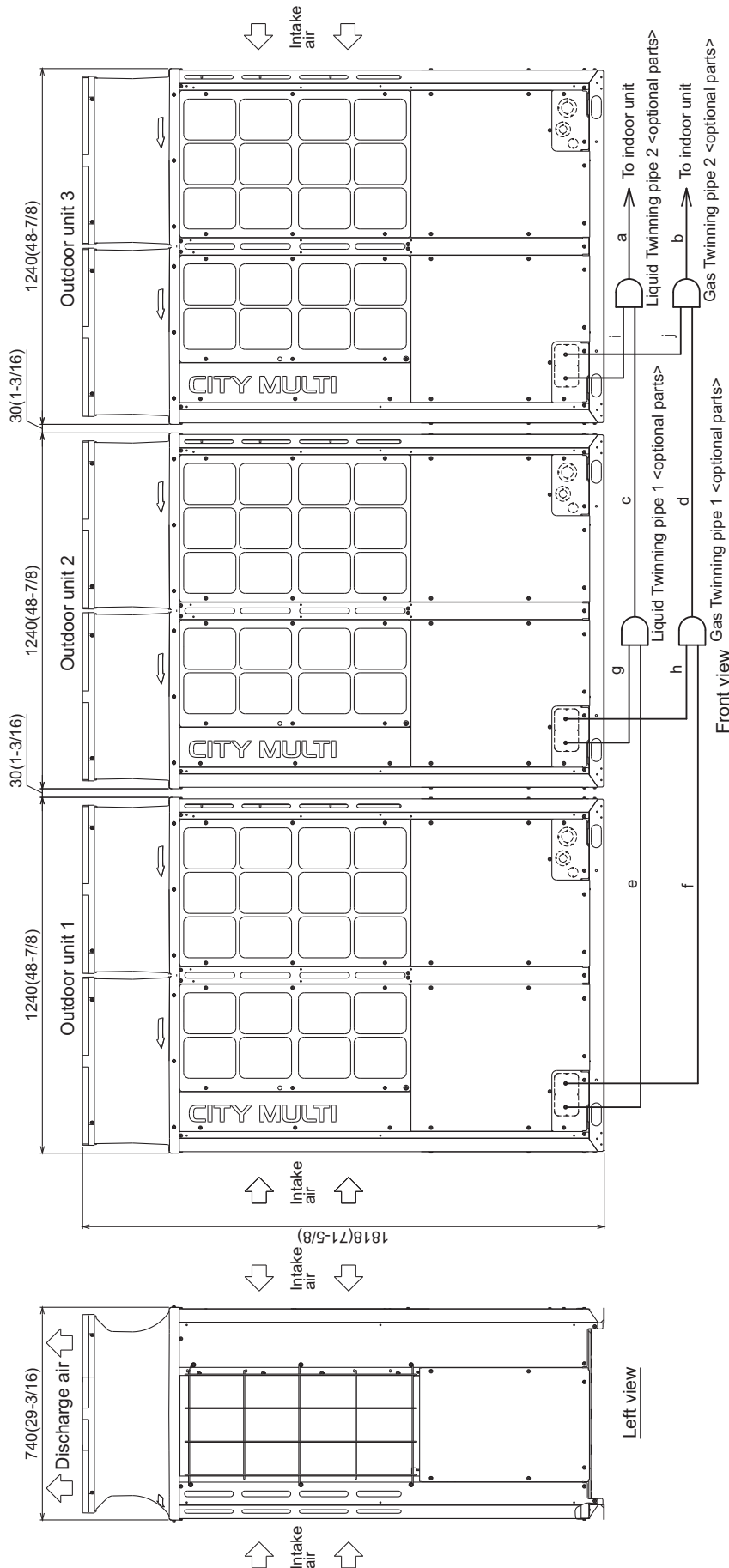
Model		PUHY-EP144TNU-A (-BS)	PUHY-EP144TNU-A (-BS)	PUHY-EP144TNU-A (-BS)
Minimum Circuit Ampacity (*)		A 60-60	60-60	60-60
Maximum Overcurrent Protection (*)		A 100-100	100-100	100-100
FAN	Type x Quantity	Propeller fan x 2		
	Airflow rate	cfm 9,200	9,200	9,200
		m3/min 260	260	260
	Control, Driving mechanism	Inverter-control, Brushless DC motor		
	Motor output	kW 0.46+0.46	0.46+0.46	0.46+0.46
	*4 External static press.	0 in.WG (0 Pa)		
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1		
	Starting method	Inverter		
	Motor output	kW 9.3 x 1	9.3 x 1	9.3 x 1
	Case heater	-		
	Lubricant	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	71-5/8 x 48-7/8 x 29-3/16 1,818 x 1,240 x 740	71-5/8 x 48-7/8 x 29-3/16 1,818 x 1,240 x 740
Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter circuit (COMP./FAN)	Over-current protection		
	Fan motor	-		
Refrigerant	Type x original charge	R410A x 23 lbs + 12 oz (10.8 kg)		
	Control	LEV and HIC circuit		
Net weight		lbs (kg) 680 (308)	680 (308)	680 (308)
Heat exchanger		Salt-resistant cross fin & aluminum tube		
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, tube-in-tube structure		
Pipe between unit and distributor	Liquid pipe	in. (mm) 1/2 (12.7) Braze	1/2 (12.7) Braze	1/2 (12.7) Braze
	Gas pipe	in. (mm) 1-1/8 (28.58) Braze	1-1/8 (28.58) Braze	1-1/8 (28.58) Braze
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		

Specifications are subject to change without notice.

Notes:

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

Module: PUHY-EP432TSNU-A-TH(-BS) - DIMENSIONS



Twinning pipe connection size

Package unit name	PUHY-EP336TSNU-A(-BS)	PUHY-EP360TSNU-A(-BS)	PUHY-EP384TSNU-A(-BS)	PUHY-EP408TSNU-A(-BS)	PUHY-EP432TSNU-A(-BS)
Component unit name	Outdoor unit 1	Outdoor unit 2	Outdoor unit 3	Outdoor unit 1	Outdoor unit 2
Outdoor Twinning Kit(optional parts)	Outdoor unit 1	Outdoor unit 2	Outdoor unit 3	Outdoor unit 1	Outdoor unit 2
Indoor unit-Twinning pipe 2	Liquid	a	CMY-Y300CBK2	Liquid	a
Twinning pipe 1-Twinning pipe 2	Gas	b	ø19.05(3/4)	Gas	b
	Liquid	c	ø41.28(1-5/8)	Liquid	c
	Gas	d	ø19.05(3/4)	Gas	d
			ø34.93(1-3/8)		

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twinning pipes should not be tilted more than 15 degrees from the horizontal plane.
 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 model	Liquid	Gas
EP96	e or g or i	f or h or j
EP120	ø9.52(3/8)	ø22.2(7/8)
EP144	ø12.7(1/2)	ø28.58(1-1/8)

Unit: mm (in.)

Module: PUHY-EP144TNU-A-TH(-BS) - DIMENSIONS

Unit: mm (in.)

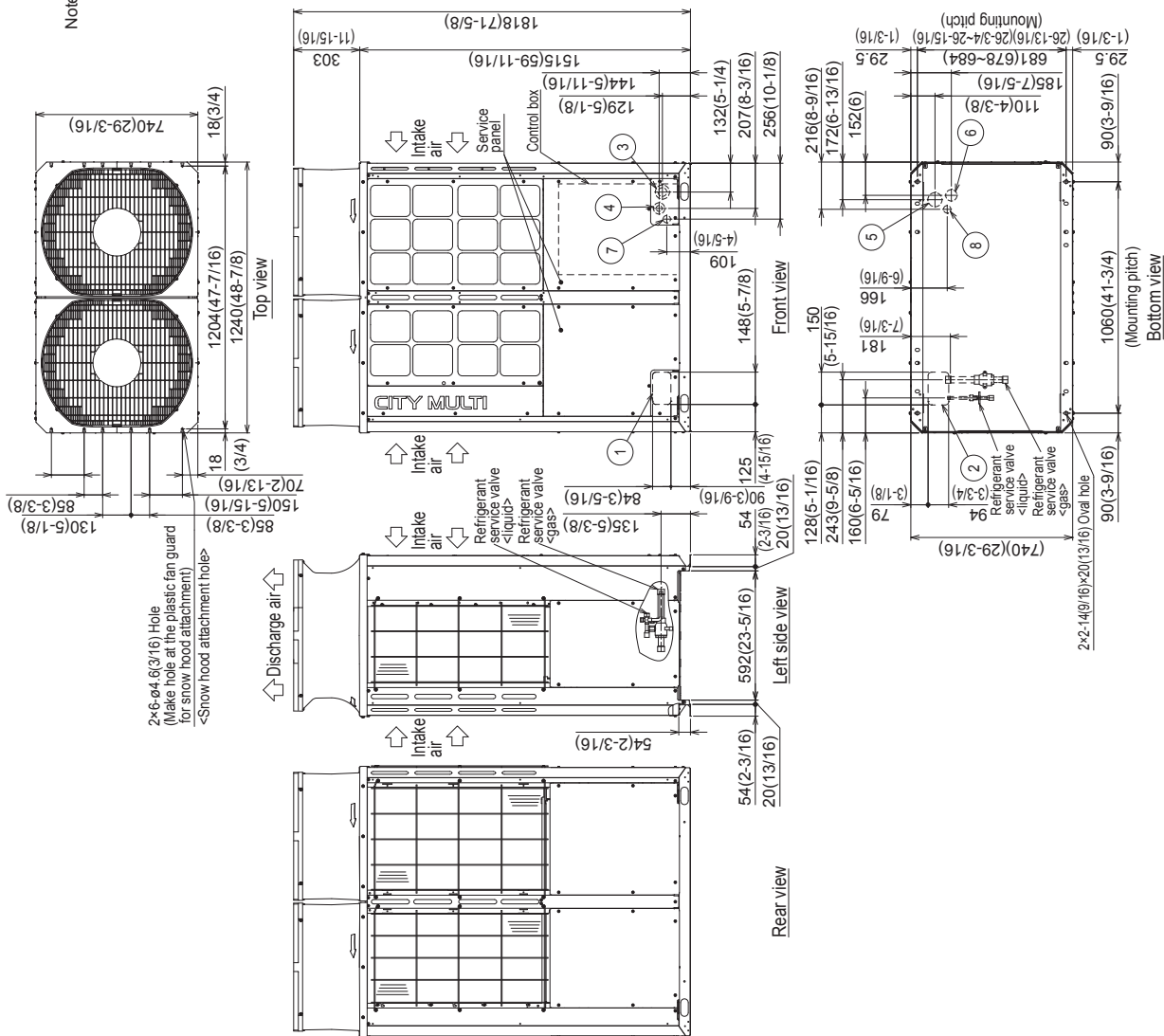
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C (248°F).

Connecting pipe specifications

Model	Diameter			Service valve	
	Liquid	Refrigerant pipe	Gas	Liquid	Gas
EP96	ø9.52(3/8) Braze	ø22.2(7/8) Braze*1,2	ø28.58(1-1/8)	ø12.7(1/2)	ø28.58(1-1/8)
EP120	ø9.52(3/8) Braze				
EP144	ø12.7(1/2) Braze	ø28.58(1-1/8) Braze			

- *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) × 94(3-3/4) 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	For wires	Bottom through hole ø65(2-9/16) Knockout hole
⑥		Bottom through hole ø52(2-1/16) Knockout hole
⑦	For transmission cables	Front through hole ø34(1-3/8) Knockout hole
⑧		Bottom through hole ø34(1-3/8) Knockout hole



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