

Job Name:

Schedule Reference:

Date:



UNIT OPTION

Standard Model PUHY-P336TSNU-A-TH

Seacoast (BS) Model PUHY-P336TSNU-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-P336TSNU-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	336,000	
	kW	98.5	
(208-230)	Power input	27.77	
	Current input	85.6-77.4	
(Rated)	BTU/h	320,000	
	kW	93.8	
(208-230)	Power input	32.73	30.92
	Current input	100.9-91.2	95.3-86.2
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	30.84	
	Current input	95.1-86.0	
(Rated)	BTU/h	360,000	
	kW	105.5	
(208-230)	Power input	28.95	27.66
	Current input	89.2-80.7	85.3-77.1
Temp. range of heating *3	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) *4		dB <A> 84.0/85.0	
Refrigerant piping diameter	Liquid pipe	in. (mm) 3/4 (19.05) Brazed	
	Gas pipe	in. (mm) 1-5/8 (41.28) Brazed	

Set Model

Model		PUHY-P120TNU-A (-BS)	PUHY-P120TNU-A (-BS)	PUHY-P96TNU-A (-BS)	
Minimum Circuit Ampacity (*)	A	50-46	50-46	40-36	
Maximum Overcurrent Protection (*)	A	80-70	80-70	60-50	
FAN	Type x Quantity	Propeller fan x 2			
	Airflow rate	cfm	7,750	7,750	6,700
		m3/min	220	220	190
	Control, Driving mechanism	Inverter-control, Brushless DC motor			
Motor output	kW	0.46+0.46	0.46+0.46	0.46+0.46	
*5 External static press.		0 in.WG (0 Pa)			
Compressor	Type x Quantity	Inverter scroll hermetic compressor x 1			
	Starting method	Inverter			
	Motor output	kW	7.7 x 1	7.7 x 1	5.5 x 1
	Case heater	kW	-		
Lubricant		MEL32			
External finish		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 48-7/8 x 29-3/16	
	mm	1,818 x 1,240 x 740	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)			
	Inverter circuit (COMP./FAN)	Over-current protection			
	Fan motor	-			
Refrigerant	Type x original charge	R410A x 21 lbs + 9 oz (9.8 kg)			
	Control	LEV and HIC circuit			
Net weight	lbs (kg)	605 (274)	605 (274)	580 (263)	
Heat exchanger		Salt-resistant cross fin & copper 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) Brazed			
	Gas pipe	in. (mm) 1-1/8 (28.58) 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				

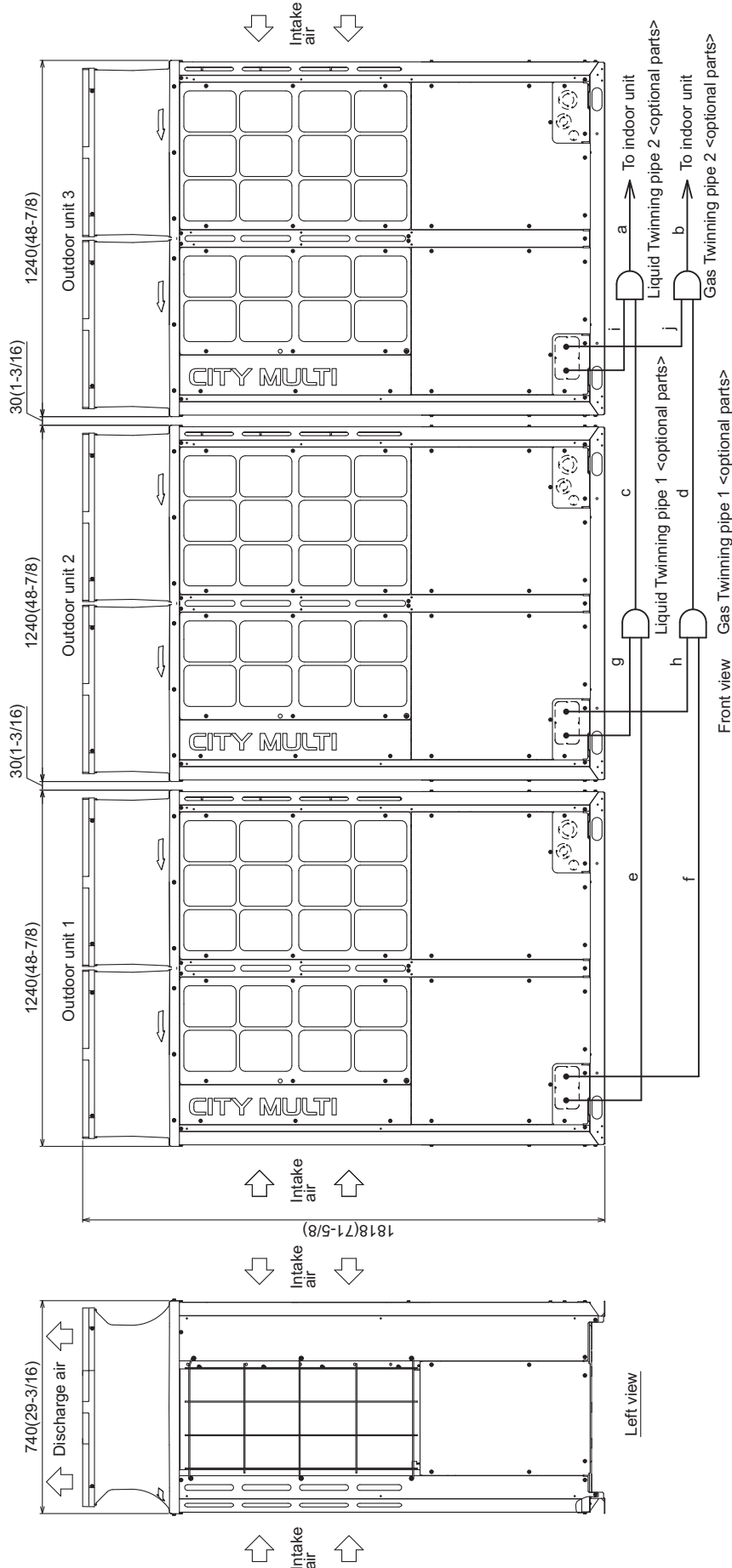
Notes:

- Nominal 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.)
- Nominal 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.)
- When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
- 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).
- Due to continuing improvement, above specifications may be subject to change without notice.

Specifications are subject to change without notice.

* All electrical work shall comply with National (NEC) 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-P336TSNU-A-TH(-BS) - DIMENSIONS



Front view

Left view

Twinning pipe connection size

Package unit name	PUHY-P367TSNU-A(-BS)	PUHY-P360TSNU-A(-BS)	PUHY-P364TSNU-A(-BS)	PUHY-P408TSNU-A(-BS)	PUHY-P432TSNU-A(-BS)
Outdoor unit 1	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P144TNU-A(-BS)	PUHY-P144TNU-A(-BS)	PUHY-P144TNU-A(-BS)
Outdoor unit 2	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P144TNU-A(-BS)	PUHY-P144TNU-A(-BS)	PUHY-P144TNU-A(-BS)
Outdoor unit 3	PUHY-P96TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P120TNU-A(-BS)	PUHY-P144TNU-A(-BS)
Outdoor Twinning Kit(optional parts)	CMY-Y300CBK2				
Indoor unit- Twinning pipe 2	Liquid	a	ø19.05(3/4)		
	Gas	b	ø41.28(1-5/8)		
Twinning pipe 1~Twinning pipe 2	Liquid	c	ø19.05(3/4)		
	Gas	d	ø34.93(1-3/8)		

Unit model	Liquid e or g or i	Gas f or h or j
P96	ø9.52(3/8)	ø22.2(7/8)
P120	ø12.7(1/2)	ø28.58(1-1/8)
P144	ø12.7(1/2)	ø28.58(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 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: mm (in.)

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Module: PUHY-P96_120TNU-A-TH(-BS) - DIMENSIONS

Unit: mm (in.)

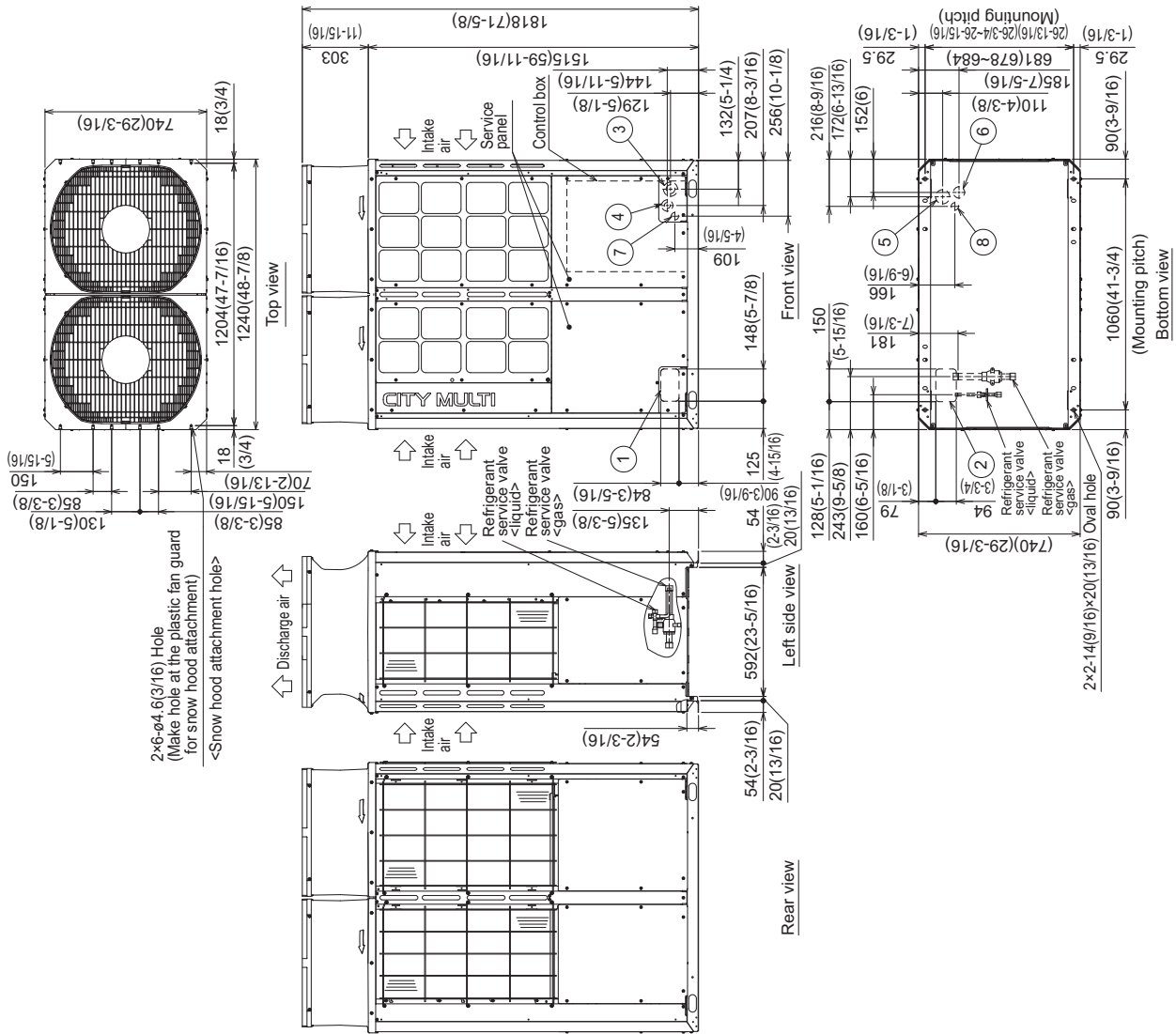
Note 1. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.
 2. At brazing of pipes, wrap the refrigerant service valve with wet cloth and keep the temperature of refrigerant service valve under 120°C(248°F).

Connecting pipe specifications

Model	Refrigerant pipe		Diameter	
	Liquid	Gas	Liquid	Gas
P96	ø9.52(3/8) Braze ø12.7(1/2) Braze*1,3	ø22.7(1/8) Braze*1,2	ø12.7(1/2)	ø28.58(1-1/8)
P120	ø9.52(3/8) Braze ø12.7(1/2) Braze*1,2,4	ø28.58(1-1/8) Braze		
P144	ø12.7(1/2) 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	
		For pipes	For wires
①	Front through hole	148(5-7/8) x 84(3-5/16)	Knockout hole
②	Bottom through hole	150(5-15/16) x 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	Bottom through hole	ø65(2-9/16)	Knockout hole
⑥	Bottom through hole	ø52(2-1/16)	Knockout hole
⑦	Front through hole	ø34(1-3/8)	Knockout hole
⑧	Bottom through hole	ø34(1-3/8)	Knockout hole



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