

Job Name:

Schedule Reference:

Date:



UNIT OPTION

Standard Model PURY-EP432TSNU-A
Seacoast (BS) Model PURY-EP432TSNU-A-BS

Minimum Operating Temperature
Heating (Outdoor): -25°F (-32°C) WB
Below -22°F (-30°C) WB, an auxiliary heating source is highly recommended.
System requires firmware Ver. 26.35 or later.

ACCESSORIES

Snow/Wind Guards - (See CM_PAB_100_20_006)
Panel Heater - (PAC-PH03EHYU-E1) (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		PURY-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	
	kW	126.6	
(208-230)	Power input	42.36	
	Current input	130.6-118.1	
(Rated)	BTU/h	411,000	
	kW	120.2	
(208-230)	Power input	44.40	43.98
	Current input	136.9-123.8	135.6-122.6
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	480,000	
	kW	140.7	
(208-230)	Power input	43.14	
	Current input	133.0-120.3	
(Rated)	BTU/h	455,000	
	kW	133.4	
(208-230)	Power input	40.70	38.90
	Current input	125.5-113.5	119.9-108.4
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	50-150% of outdoor unit capacity	
	Model/Quantity	P04-P96/2-50	
Sound power level (measured in anechoic room) *3		dB <A> 89.0/89.0	
Refrigerant piping diameter	High pressure	in. (mm)	1-1/8 (28.58) Brazed
	Low pressure	in. (mm)	1-5/8 (41.28) Brazed

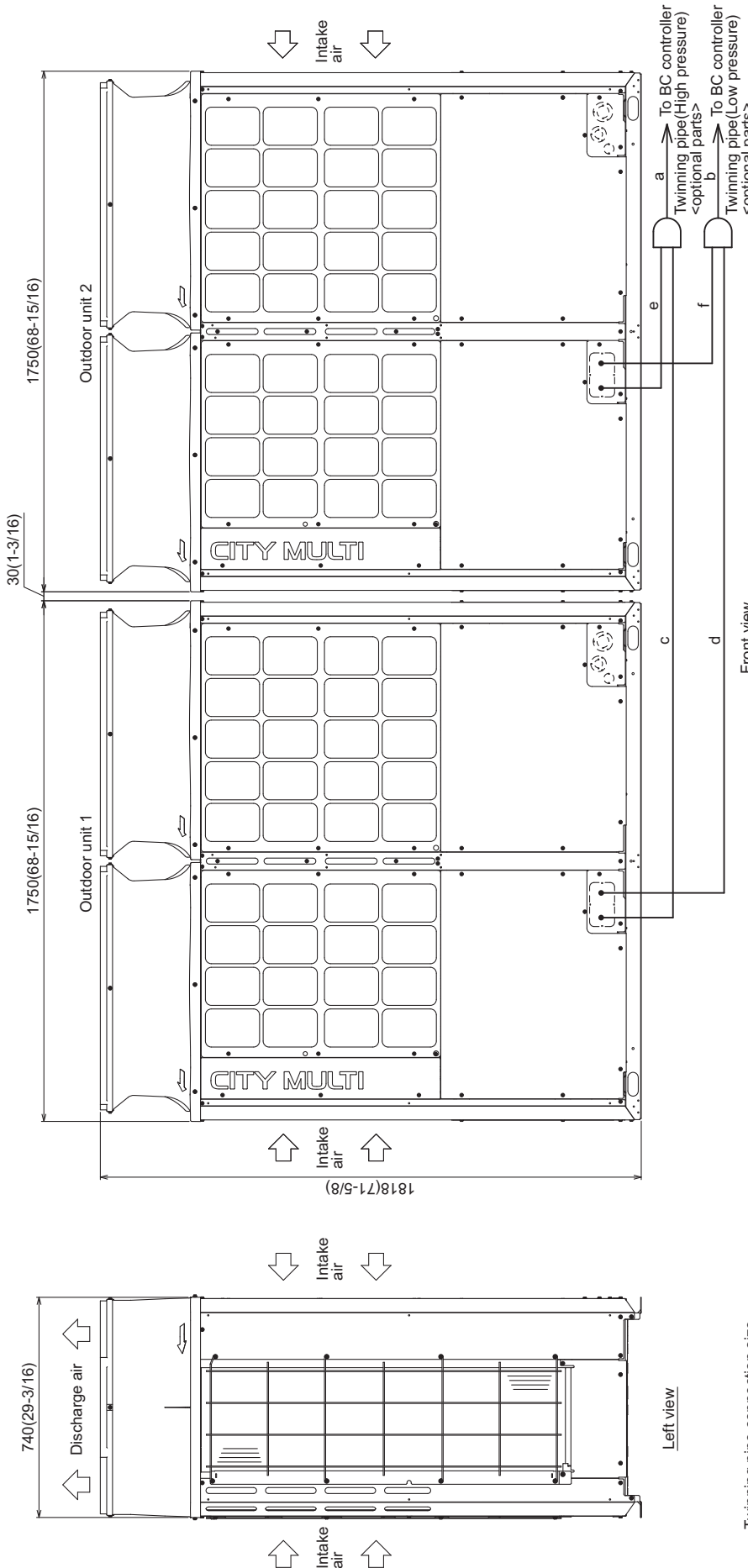
Set Model		PURY-EP216TNU-A(-BS)	PURY-EP216TNU-A(-BS)
Model		PURY-EP216TNU-A(-BS)	PURY-EP216TNU-A(-BS)
Minimum Circuit Ampacity (*)		A 88-85	88-85
Maximum Overcurrent Protection (*)		A 150-150	150-150
FAN	Type x Quantity	Propeller fan x 2	
	Airflow rate	cfm	14,100
		m3/min	400
	Control, Driving mechanism	Inverter-control, Brushless DC motor	
	Motor output	kW	0.92+0.92
*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	15.8
	Case heater	kW	-
	Lubricant	MEL32	
External finish		Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>	Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>
External dimension H x W x D		in. 71-5/8 x 68-15/16 x 29-3/16 mm 1,818 x 1,750 x 740	in. 71-5/8 x 68-15/16 x 29-3/16 mm 1,818 x 1,750 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 26 lbs + 1 oz (11.8 kg)	
	Control	Indoor LEV and BC controller	
Net weight	lbs (kg)	887 (402)	887 (402)
Heat exchanger		Salt-resistant cross fin & aluminium tube	
HIC circuit (HIC: Heat Inter-Changer)		-	
Pipe between unit and distributor	High pressure	in. (mm)	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed
Defrosting method		Auto-defrost mode (Reversed refrigerant cycle)	
Optional parts	Outdoor Twinning kit: CMY-R300NCBK		
	Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-Y202S-G2, CMY-R160-J1, CMY-R201, 202, 203, 204, 205, 306S-G, CMY-R302, 303, 304, 305S-G1		
	Main BC controller: CMB-P1016NU-KA1		
	Sub BC controller: CMB-P104, 108NU-KB1		

Notes:
1. Nominal cooling conditions (Test conditions are based on AHR1 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.)
2. Nominal heating conditions (Test conditions are based on AHR1 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.)
3. Cooling mode/Heating mode
4. The sound pressure level measured by the conventional method in JIS for reference purpose.
5. 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: PURY-EP432TSNU-A(-BS) - DIMENSIONS



Twinning pipe connection size

Package unit name	PURY-EP384TSNU-A(-BS)	PURY-EP432TSNU-A(-BS)
Outdoor unit 1	PURY-EP192TNU-A(-BS)	PURY-EP216TNU-A(-BS)
Outdoor unit 2	PURY-EP192TNU-A(-BS)	PURY-EP216TNU-A(-BS)
Outdoor Twinning Kit (optional parts)	CMY-R300NCBK	
BC controller	ø28.58(1-1/8)	
-Twinning pipe	High pressure a	Low pressure b
	ø41.28(1-5/8)	ø28.58(1-1/8)

Unit model	High pressure c or e	Low pressure d or f
EP192	ø22.2(7/8)	ø28.58(1-1/8)
EP216	ø22.2(7/8)	ø28.58(1-1/8)

Front view

Left view

- 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).

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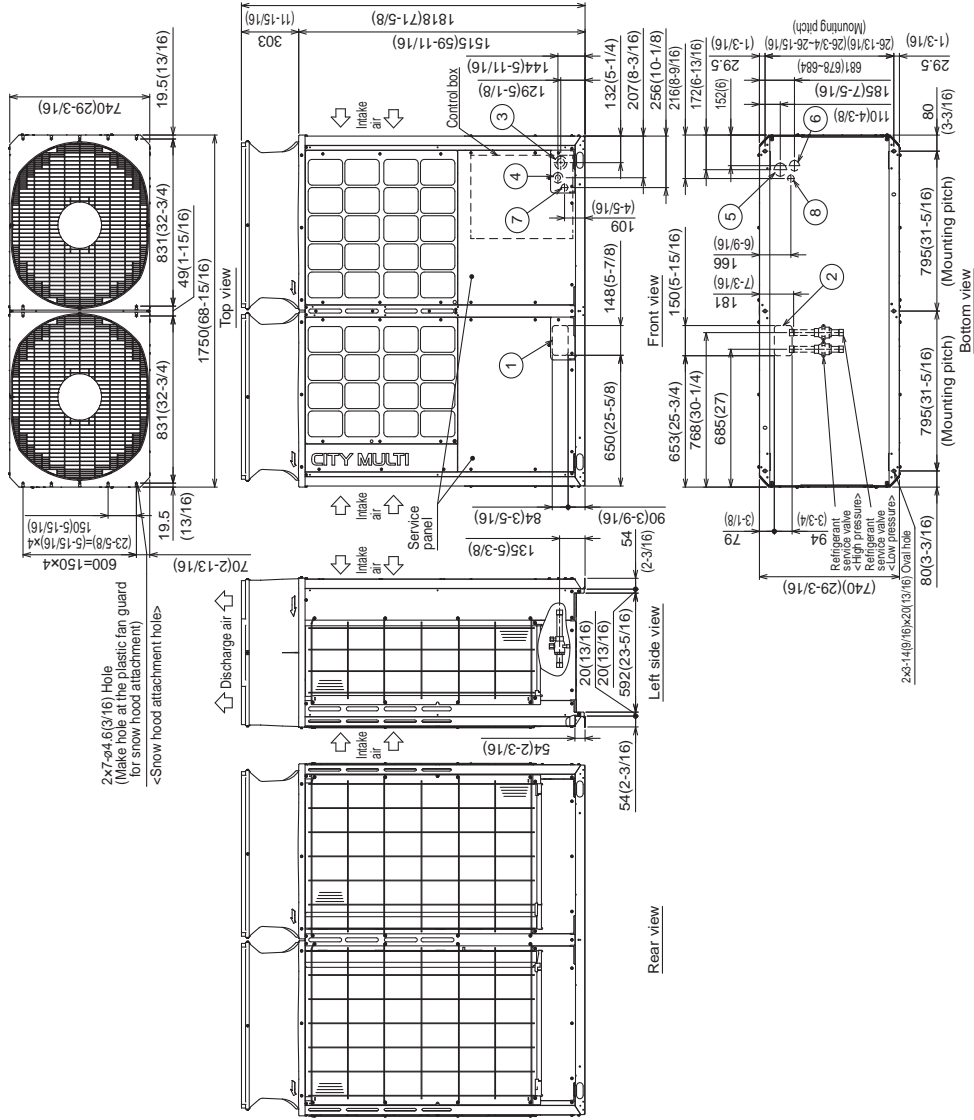
Unit: mm (in.)

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Module: PURY-EP216TNU-A-(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		Service valve	
	High pressure	Low pressure	High pressure	Low pressure	High pressure	Low pressure
EP192	ø22.7(7/8) Brazed *1	ø28.5(1-1/8) Brazed	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)
EP216	ø22.7(7/8) Brazed *1, *2	ø34.5(1-3/8) Brazed *1	ø28.5(1-1/8)	ø34.5(1-3/8) Brazed *1	ø28.5(1-1/8)	ø28.5(1-1/8)
EP240	ø22.7(7/8) Brazed *1, *2	ø34.5(1-3/8) Brazed *1	ø28.5(1-1/8)	ø34.5(1-3/8) Brazed *1	ø28.5(1-1/8)	ø28.5(1-1/8)

*1 Connect the refrigerant pipe to the service valve according to the Installation Manual.
 *2 When the piping length is 65m(213ft) or longer, use the ø28.5(1-1/8) pipe for the part that exceeds 65m(213ft).

NO.	Usage	Specifications
①	Front through hole	148(5-7/8) x 84(3-5/16) Knockout hole
②	Bottom through hole	150(5-5/8) x 94(3-3/4) Knockout hole
③	Front through hole	ø27.7(2-1/2) or ø34.5(1-3/8) Knockout hole
④	Front through hole	ø43.7(1-3/4) or ø22.7(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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