

Job Name:

Schedule Reference:

Date:

**UNIT OPTION**

Standard Model PURY-EP432TSNU-A1

Seacoast (BS) Model PURY-EP432TSNU-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.

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-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	432,000	
		kW	
	Power input	42.36	
		kW	
	(208-230) Current input	130.6-118.1	
		A	
	(Rated) BTU/h	411,000	
		kW	
	Power input	44.40	43.98
		kW	kW
Heating capacity *2 (Nominal)	BTU/h	480,000	
		kW	
	Power input	43.14	
		kW	
	(208-230) Current input	133.0-120.3	
		A	
	(Rated) BTU/h	455,000	
		kW	
	Power input	40.70	38.90
		kW	kW
Temp. range of cooling	Indoor	W.B.	59~75°F (15~24°C)
		D.B.	23~126°F (-5~52°C)
	Outdoor	W.B.	-13~60°F (-25~15.5°C)
		D.B.	59~81°F (15~27°C)
Temp. range of heating	Indoor	W.B.	-13~60°F (-25~15.5°C)
		D.B.	59~81°F (15~27°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) Braze
	Low pressure	in. (mm)	1-5/8 (41.28) Braze

Set Model

Model			PURY-EP216TNU-A1(-BS)	PURY-EP216TNU-A1(-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	Propeller fan x 2
	Airflow rate	cfm	14,100	14,100
		m3/min	400	400
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92+0.92	0.92+0.92
	*5 External static press.		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
	Starting method		Inverter	Inverter
	Motor output	kW	15.8	15.8
	Case heater	kW	0.048	0.048
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheet (+powder coating for -BS type)	Pre-coated galvanized steel sheet (+powder coating for -BS type)
			<MUNSELL 5Y 8/1>	<MUNSELL 5Y 8/1>
External dimension H x W x D		in.	71-5/8 x 68-15/16 x 29-3/16	71-5/8 x 68-15/16 x 29-3/16
		mm	1,818 x 1,750 x 740	1,818 x 1,750 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)
	Inverter circuit (COMP./FAN)		Over-current protection	Over-current protection
	Fan motor		-	-
Refrigerant	Type x original charge		R410A x 26 lbs + 1 oz (11.8 kg)	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	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	7/8 (22.2) Brazed
	Low pressure	in. (mm)	1-1/8 (28.58) Brazed	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-KA2			
	Sub BC controller: CMB-P104, 108NU-KB2			

Notes:

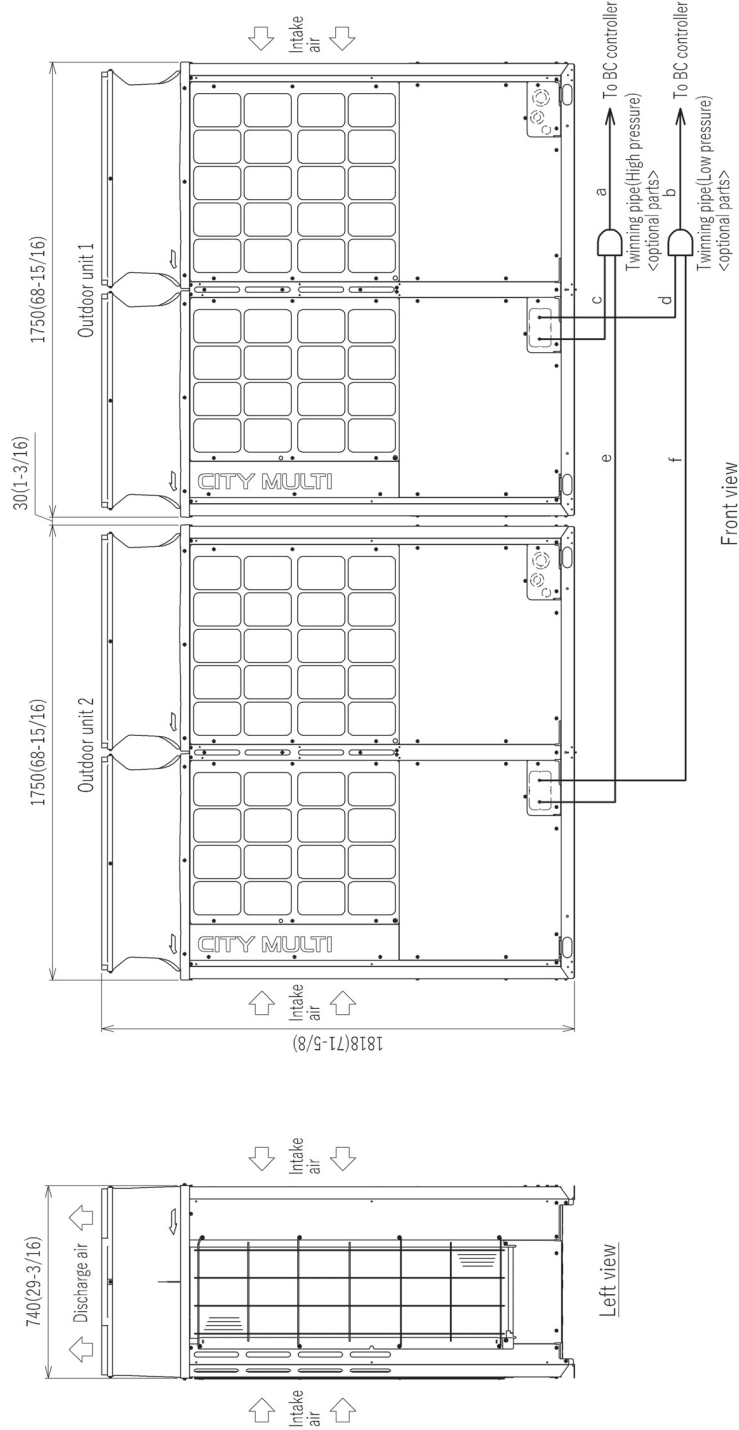
- Nominal cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.), Outdoor: 95°F D.B. (35°C D.B.)
- Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°F D.B. (21.1°C D.B.), Outdoor: 47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)
- Cooling mode/Heating mode
- The sound pressure level measured by the conventional method in JIS for reference purpose.
- 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: PURY-EP432TSNU-A1(-BS) - DIMENSIONS



Twinning pipe connection size

Package unit name	EP384T/YSNU	EP432T/YSNU
Component unit name	EP192T/YSNU	EP216T/YSNU
Outdoor unit 1	EP192T/YSNU	EP216T/YSNU
Outdoor unit 2	EP192T/YSNU	EP216T/YSNU
Outdoor Twinning Kit(optional parts)	CMY-R300NCBK	CMY-R300NCBK
BC controller	CMY-R300NCBK	CMY-R300NCBK
~Twinning pipe	High pressure a	High pressure a
Low pressure b	Low pressure b	Low pressure b
~Twinning pipe	High pressure c	High pressure c
Low pressure d	Low pressure d	Low pressure d
~Outdoor unit 1	High pressure e	High pressure e
Low pressure f	Low pressure f	Low pressure f
~Outdoor unit 2	High pressure e	High pressure e
Low pressure f	Low pressure f	Low pressure f

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
- Note 2. Twinning pipes must be installed horizontally using a level vessel.
- Note 3. Be sure to see the Installation Manual for details of Twinning pipe installation.
- Note 4. 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).
- Note 5. Only use the Twinning pipe by Mitsubishi (optional parts).

Unit: mm (in.)

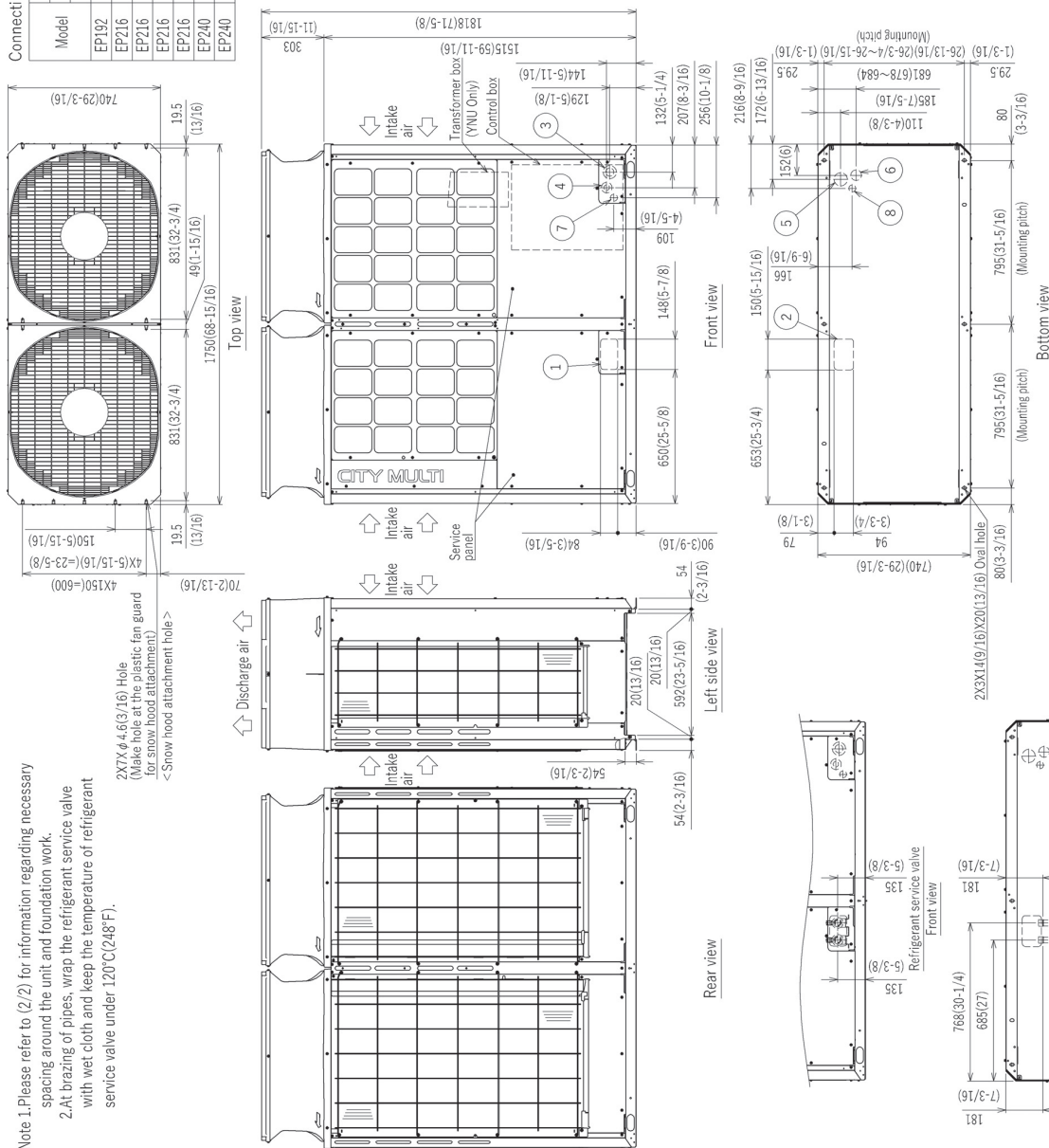
Module: PURY-EP216TNU-A1(-BS) - DIMENSIONS

Unit: mm (in.)

Connecting pipe specifications

Model	Diameter		
	Refrigerant pipe *1		Service valve
EP192	High pressure	Low pressure	High pressure
	φ22.7(7/8)	φ28.58(1-1/8) Braze	φ28.58(1-1/8) φ28.58(1-1/8)
EP216	High pressure	Low pressure	High pressure
	φ22.7(7/8)	φ28.58(1-1/8) Braze	φ28.58(1-1/8) φ28.58(1-1/8)
EP216	High pressure	Low pressure	High pressure
	φ22.7(7/8)	φ34.93(1-3/8) Braze	φ28.58(1-1/8) φ28.58(1-1/8)
EP216	High pressure	Low pressure	High pressure
	φ28.58(1-1/8) Braze	φ28.58(1-1/8) Braze	φ28.58(1-1/8) φ28.58(1-1/8)
EP216	High pressure	Low pressure	High pressure
	φ28.58(1-1/8) Braze	φ34.93(1-3/8) Braze	φ28.58(1-1/8) φ28.58(1-1/8)
EP240	High pressure	Low pressure	High pressure
	φ22.7(7/8)	φ34.93(1-3/8) Braze	φ28.58(1-1/8) φ28.58(1-1/8)
EP240	High pressure	Low pressure	High pressure
	φ28.58(1-1/8) Braze	φ34.93(1-3/8) Braze	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) ≧ 65m (213ft)



Note 1. Please refer to (2/2) 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).

2X7Xφ4.6(3/16) Hole
 (Make hole at the plastic fan guard
 for snow hood attachment)
 < Snow hood attachment hole >

No.	Usage	Specifications
①	For pipes	Front through hole 148(5-7/8) X 8(3-5/16) Knockout hole
②	For pipes	Bottom through hole 150(5-15/16) X 94(3-3/4) Knockout hole
③	For wires	Front through hole φ62.7(2-1/2) or φ34.5(1-3/8) Knockout hole
④	For wires	Front through hole φ43.7(1-3/4) or φ22.7(7/8) Knockout hole
⑤	For wires	Bottom through hole φ65(2-9/16) Knockout hole
⑥	For wires	Bottom through hole φ52(2-1/16) Knockout hole
⑦	For transmission cables	Front through hole φ34(1-3/8) Knockout hole
⑧	For transmission cables	Bottom through hole φ34(1-3/8) Knockout hole

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