CITY MULTI® Model: PURY-EP384TSNU-A1(-BS)

Job Name:

Schedule Reference: | Date:

UNIT OPTION

- ☐ Standard Model PURY-EP384TSNU-A1
- ☐ Seacoast (BS) Model PURY-EP384TSNU-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-EP384TSNU-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	384,000	
			kW	112.5	
		Power input	kW	36.62	
	(208-230)	Current input	A	112.9-102.1	
	(Rated)		BTU/h	364,000	
			kW	106.7	
		Power input	kW	39.05	38.27
	(208-230)	Current input	A	120.4-108.9	118.0-106.7
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	430,000	
			kW	126	
		Power input	kW	38.66	
	(208-230)	Current input	A	119.2-107.8	
	(Rated)		BTU/h	410,000	
			kW	120.2	
		Power input	kW	36.47	34.75
	(208-230)	Current input	A	112.4-101.7	107.1-96.9
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>	86.5/89.0	
Refrigerant piping diameter		High pressure	in. (mm)	1-1/8 (28.58) Brazed	
		Low pressure	in. (mm)	1-5/8 (41.28) Brazed	

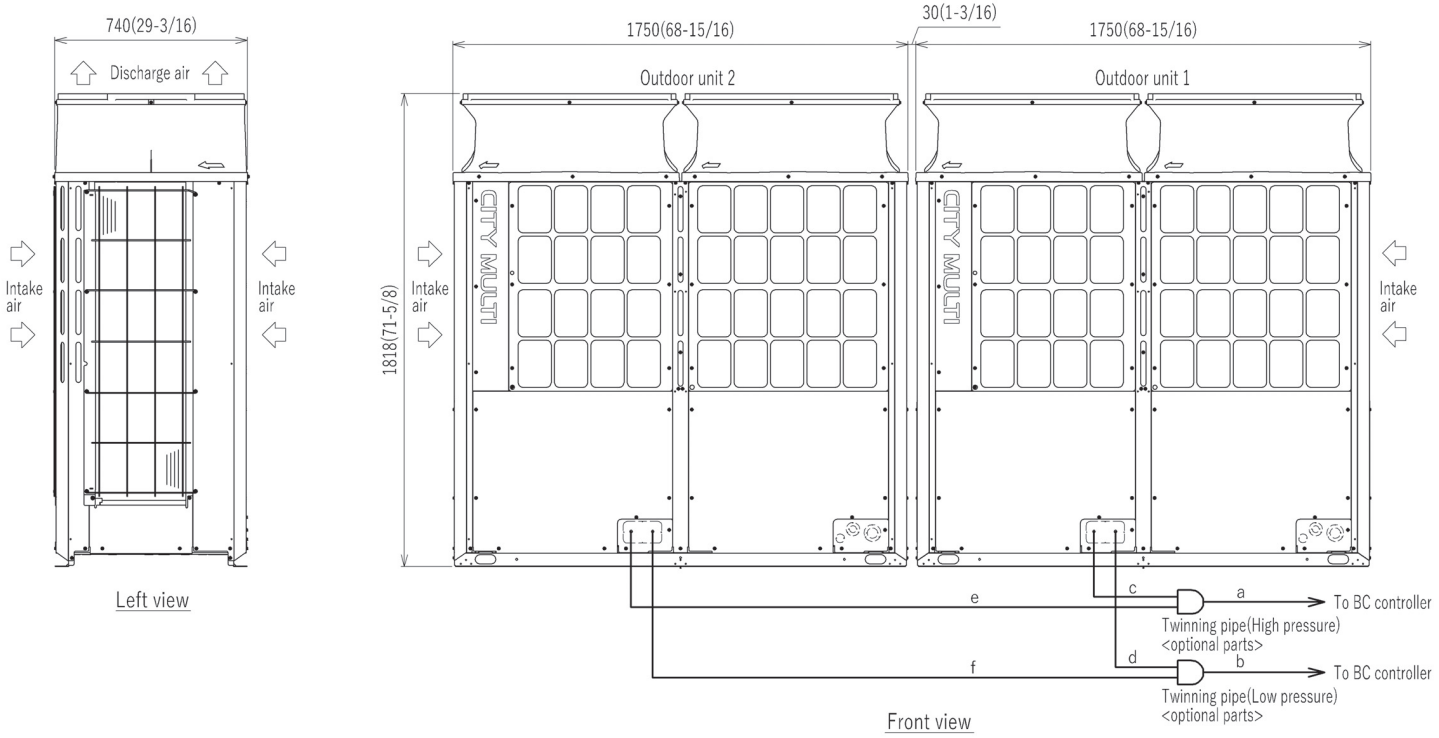
Set Model

Model				PURY-EP192TNU-A1(-BS)	PURY-EP192TNU-A1(-BS)
Minimum Circuit Ampacity (*)			A	80-75	80-75
Maximum Overcurrent Protection (*)			A	125-125	125-125
FAN	Type x Quantity			Propeller fan x 2	Propeller fan x 2
	Airflow rate		cfm	13,050	13,050
			m^3/min	370	370
	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	13.2	13.2
	Case heater		kW	0.048	0.048
	Lubricant			MEL32	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	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:
1.Nominal cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
2.Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.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.



Twinning pipe connection size

Package unit name			EP384T/YSNU	EP432T/YSNU
Component unit name	Outdoor unit 1		EP192T/YNU	EP216T/YNU
	Outdoor unit 2		EP192T/YNU	EP216T/YNU
Outdoor Twinning Kit(optional parts)			CMY-R300NCBK	CMY-R300NCBK
BC controller ~Twinning pipe	High pressure	a	ϕ28.58(1-1/8)	ϕ28.58(1-1/8)
	Low pressure	b	ϕ41.28(1-5/8)	ϕ41.28(1-5/8)
Twinning pipe ~Outdoor unit 1	High pressure	c	ϕ22.2(7/8)	ϕ22.2(7/8)
	Low pressure	d	ϕ28.58(1-1/8)	ϕ28.58(1-1/8)
Twinning pipe ~Outdoor unit 2	High pressure	e	ϕ22.2(7/8)	ϕ22.2(7/8)
	Low pressure	f	ϕ28.58(1-1/8)	ϕ28.58(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.
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.)

Module: PURY-EP192TNU-A1(-BS) - DIMENSIONS

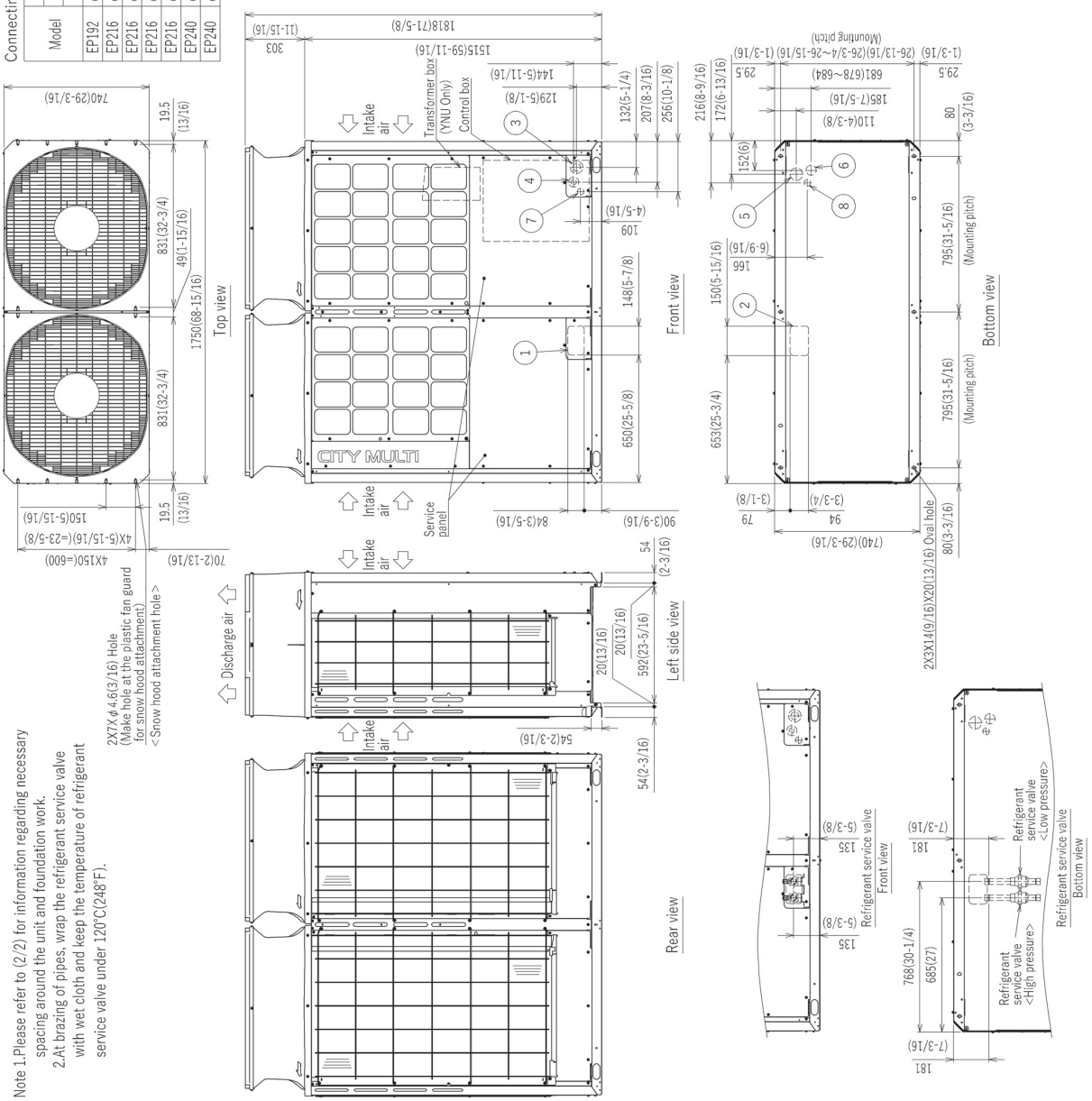
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter					
	Refrigerant pipe *1				Service valve	
	High pressure		Low pressure		High pressure	Low pressure
EP192	ϕ22.2(7/8)	Brazed	ϕ28.58(1-1/8)	Brazed	ϕ28.58(1-1/8)	ϕ28.58(1-1/8)
EP216	ϕ22.2(7/8)	Brazed	ϕ28.58(1-1/8)	Brazed*2	ϕ28.58(1-1/8)	ϕ28.58(1-1/8)
EP216	ϕ22.2(7/8)	Brazed	ϕ34.93(1-3/8)	Brazed	ϕ28.58(1-1/8)	ϕ28.58(1-1/8)
EP216	ϕ28.58(1-1/8)	Brazed*3	ϕ28.58(1-1/8)	Brazed*2	ϕ28.58(1-1/8)	ϕ28.58(1-1/8)
EP216	ϕ28.58(1-1/8)	Brazed*3	ϕ34.93(1-3/8)	Brazed	ϕ28.58(1-1/8)	ϕ28.58(1-1/8)
EP240	ϕ22.2(7/8)	Brazed	ϕ34.93(1-3/8)	Brazed	ϕ28.58(1-1/8)	ϕ28.58(1-1/8)
EP240	ϕ28.58(1-1/8)	Brazed*3	ϕ34.93(1-3/8)	Brazed	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)

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



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).

MITSUBISHI ELECTRIC
Heating and Cooling