CITY MULTI® Model: PURY-EP336TSNU-A1(-BS)

Job Name:

Schedule Reference: | Date:

UNIT OPTION

- ☐ Standard Model PURY-EP336TSNU-A1
- ☐ Seacoast (BS) Model PURY-EP336TSNU-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 seperate submittal)
- ☐ Panel Heater - (PAC-PH03EHYU-E(1)) (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-EP336TSNU-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	336,000	
		kW	98.5	
	Power input	kW	31.43	
(208-230)	Current input	A	96.9-87.6	
(Rated)		BTU/h	320,000	
		kW	93.8	
	Power input	kW	33.45	33.32
(208-230)	Current input	A	103.1-93.2	102.7-92.9
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	
	Power input	kW	33.55	
(208-230)	Current input	A	103.4-93.5	
(Rated)		BTU/h	360,000	
		kW	105.5	
	Power input	kW	31.30	30.20
(208-230)	Current input	A	96.5-87.2	93.1-84.2
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>	84.5/88.5	
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

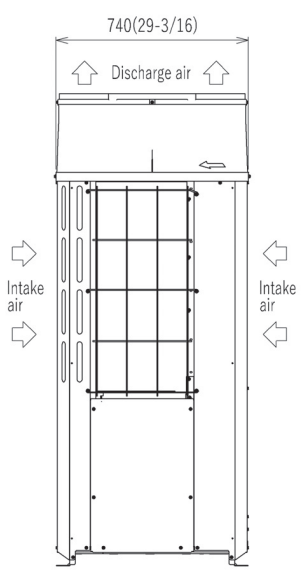
Model			PURY-EP168TNU-A1 (-BS)	PURY-EP168TNU-A1 (-BS)
Minimum Circuit Ampacity (*)		A	70-70	70-70
Maximum Overcurrent Protection (*)		A	110-110	110-110
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Airflow rate	cfm	14,850	14,850
		m^3/min	420	420
	Control, Driving mechanism		Inverter-control, Brushless DC motor	Inverter-control, Brushless DC motor
	Motor output	kW	0.92+0.92	0.92+0.92
*4	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	12.2	12.2
	Case heater	kW	0.045	0.045
	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 68-15/16x 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 23 lbs + 12 oz (10.8 kg)	R410A x 23 lbs + 12 oz (10.8 kg)
	Control		Indoor LEV and BC controller	
Net weight		lbs (kg)	777 (352)	777 (352)
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-P108,1012,1016NU-JA2,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.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.
4.Cooling mode/Heating mode
5.External static pressure option is available (0.12 in.WG, 0.24 in.WG/30 Pa, 60 Pa, 80 Pa).
* Due to continuing improvement, above specifications may be subject to change without notice.

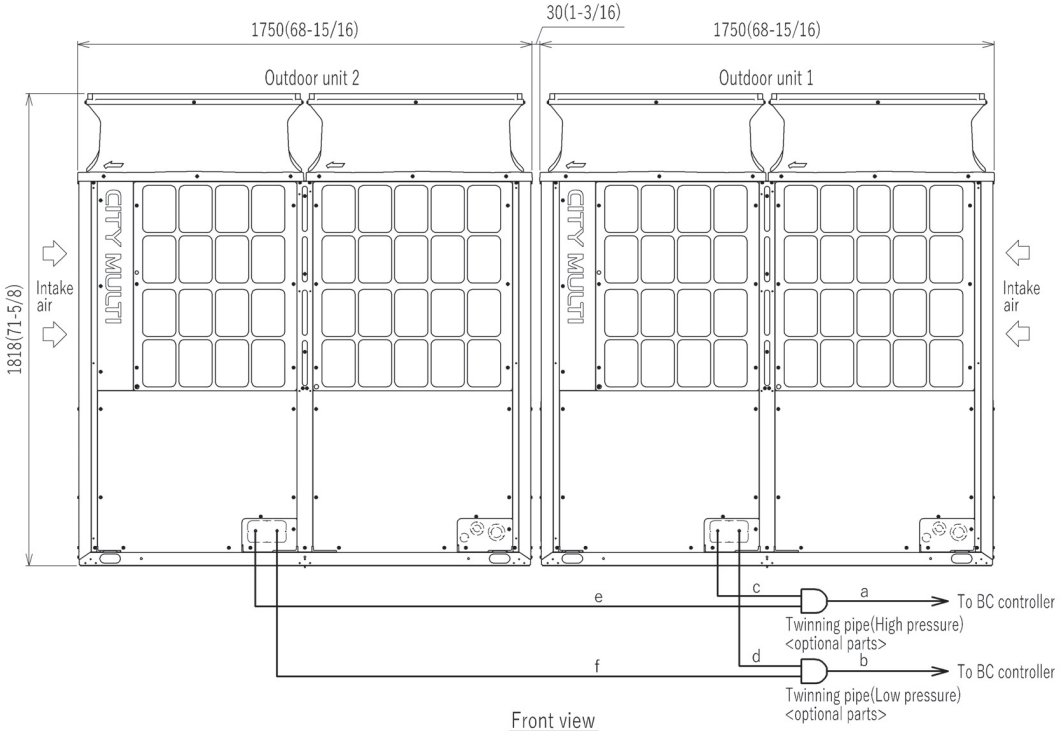
Specifications are subject to change without notice.

* All electrical work shall comply with National (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.



Left view



Front view

Twinning pipe connection size

Package unit name			(E)P336T/YSNU
Component unit name	Outdoor unit 1		(E)P168T/YNU
	Outdoor unit 2		(E)P168T/YNU
Outdoor Twinning Kit(optional parts)			CMY-R300NCBK
BC controller ~Twinning pipe	High pressure	a	ϕ28.58(1-1/8)
	Low pressure	b	ϕ41.28(1-5/8)
Twinning pipe ~Outdoor unit 1	High pressure	c	ϕ22.2(7/8)
	Low pressure	d	ϕ28.58(1-1/8)
Twinning pipe ~Outdoor unit 2	High pressure	e	ϕ22.2(7/8)
	Low pressure	f	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-EP168TNU-A1(-BS) - DIMENSIONS

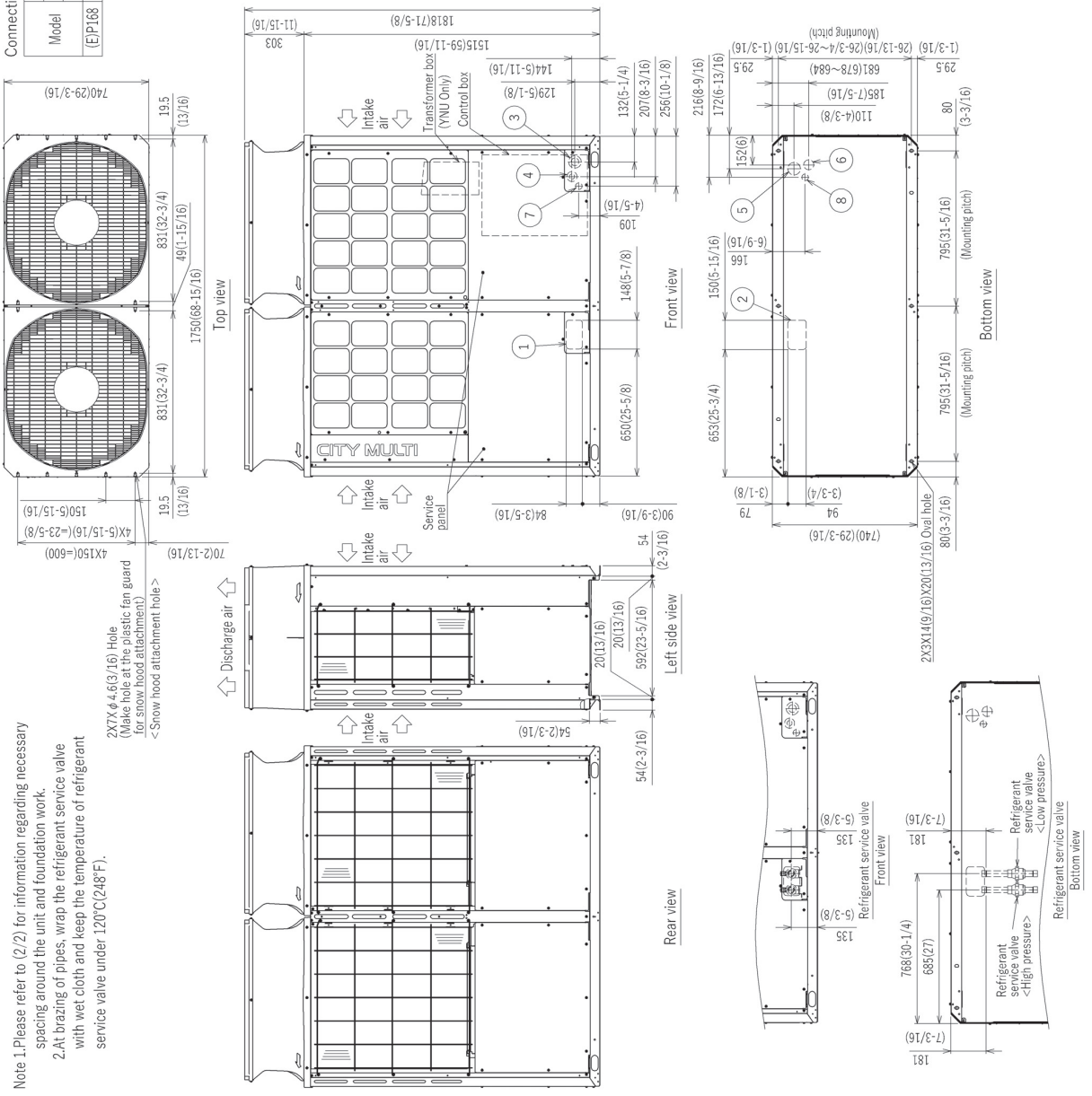
Unit: mm (in.)

Connecting pipe specifications

Model	Diameter			
	Refrigerant pipe *1		Service valve	
	High pressure	Low pressure	High pressure	Low pressure
(E)P168	φ22.2(7/8) Brazed	φ28.58(1-1/8) 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.

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