

Job Name: _____

Location: _____

Drawing Reference: _____

Schedule No. _____

System No.: _____

Date: _____

OUTDOOR VRFZ HEAT RECOVERY SYSTEM FEATURES

- 3-phase, 460V
- Modular variable refrigerant flow zoning (VRFZ) systems; smaller capacity units can be piped together to form a single, large-capacity two-pipe system
- Selectable fan static, 0.12 or 0.24"WG external static pressure; factory set to 0"WG
- Max. Total Refrigerant Piping Length: 1,804' (P72,96), 1,969' (P120,144,168), 2,461' (P192), 2,625' (P216,240), 3,280' (P264,288); Max. Refrigerant Line Length: 541'; Max. Control Wiring Length: 1,650'
- Connects to CITY MULTI indoor units; controlled via CITY MULTI Controls Network (CMCN)
- External finish: Pre-coated Galvanized-steel Sheets
- Operating Temperature Range
 - Cooling (Outdoor): 23° ~ 115°F (-5° ~ +46°C) DB
 - Heating (Outdoor): -4° ~ +60°F (-20° ~ +16°C) WB



PURY-P120YJMU-A

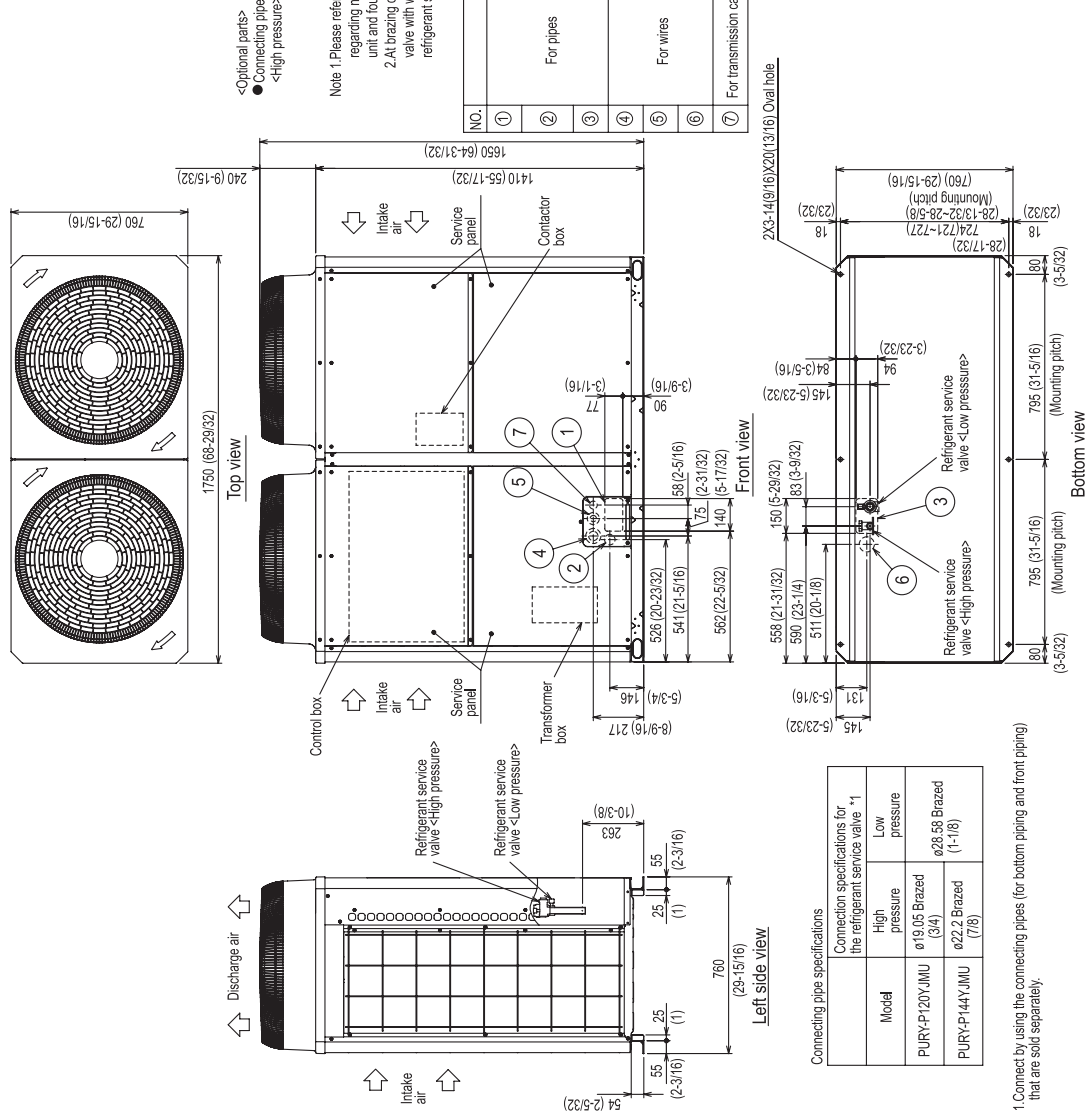

**OPTIONAL PARTS**

- ☐ T-Branch Joint (≤ 72,000 Btu/h).....CMY-Y102S-G2
- ☐ T-Branch Joint (73,000 - 144,000 Btu/h).....CMY-Y102L-G2
- ☐ T-Branch Joint (145,000 - 234,000 Btu/h).....CMY-Y202-G2
- ☐ Joint Adapter (Port Connector > 54,000 Btu/h).....CMY-R160J
- ☐ BC Controller.....CMB-P105/106/108/1010/1013/1016NU-G
- ☐ Main BC Controller.....CMB-P108/1010/1013/1016-GA/1016NU-HA
- ☐ Sub BC Controller.....CMB-P104/108NU-GB/1016NU-HB

* Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set.

Specifications		Model Name
Unit Type		PURY-P120YJMU-A
Nominal Cooling Capacity	Btu/h	120,000
Nominal Heating Capacity	Btu/h	135,000
External Dimensions (H x W x D)	In. / mm	65 x 68-15/16 x 29-15/16 / 1,650 x 1,750 x 760
Net Weight	Lbs. / kg	728 / 330
Electrical Power Requirements	Voltage, Phase, Hertz	460V, 3-phase, 60Hz
Cooling Power Input	kW	9.99
Heating Power Input	kW	11.02
Cooling Current (460V)	R.L.A.	13.9
Heating Current (460V)	R.L.A.	15.3
Minimum Circuit Ampacity (MCA)	A	23
Recommended Fuse/Breaker Size	A	25
Maximum Fuse Size	A	30
Piping Diameter (Brazed) (In. / mm)	Liquid (High Pressure)	3/4 / 19.05
	Gas (Low Pressure)	1-1/8 / 28.58
Indoor Unit	Total Capacity	50 to 150% of Outdoor Unit Capacity
	Model / Quantity	P06 to P96 / 1 to 30
Sound Pressure Levels	dB(A)	60.0
Fan		
Type x Quantity		Propeller Fan x 2
Airflow Rate	CFM	10,600
Direct-drive Inverter Motor Output	kW	0.92 + 0.92
Compressor Operating Range		15% to 100%
Compressor Type x Quantity		Inverter-driven Scroll Hermetic x 1
Compressor Motor Output	kW	8.1
Compressor Crankcase Heater	kW	0.045
Refrigerant		R410A
Lubricant		MEL32
High-pressure Protection Device		601 psi / 4.15 MPa
Compressor / Fan Protection Device		Overheat Protection / Thermal Switch
Inverter Protection Device		Overheat / Overcurrent Protection
Blue Fin Anti-corrosion Protection: Cellulose- and polyurethane-resin coating treatment applied to condenser coil that protects it from air contaminants; ≥1μm thick; Salt Spray Test Method - no unusual rust development to 480 hours.		

Model: PURY-P120YJMU-A – DIMENSIONS



Unit : mm(in.)

- <Optional parts>
- Connecting pipe
 - Pipe(Dø25.4(1)XODø19.05(3/4)).....P120 1 pc.
 - Pipe(Dø25.4(1)XODø22.2(7/8)).....P144 1 pc.
 - Elbow(Dø19.05(3/4)XODø19.05(3/4)).....P120 1 pc.

Note 1 Please refer to (22) 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(246°F).

NO.	Usage	Specifications
①	Front through hole	140 X 77 Knockout hole (5-17/32) (3-11/16)
②	Front through hole (Uses when twinning kit (optional parts) is mounted.)	ø45 Knockout hole (1-25/32)
③	Bottom through hole	150 X 94 Knockout hole (5-29/32) (3-23/32)
④	Front through hole	ø62.7 or ø64.5 Knockout hole (2-15/32) (1-3/8)
⑤	Front through hole	ø43.7 or ø22.2 Knockout hole (1-3/4) (7/8)
⑥	Bottom through hole	ø65 Knockout hole (2-9/16)
⑦	Front through hole	ø34 Knockout hole (1-11/32)

Model	Connection specifications for the refrigerant service valve *1	
	High pressure	Low pressure
PURY-P120YJMU	ø19.05 Braze (3/4)	ø28.58 Braze (1-1/8)
PURY-P144YJMU	ø22.2 Braze (7/8)	

*1 Connect by using the connecting pipes (for bottom piping and front piping) that are sold separately.



Certificate Number FM33568

Mitsubishi Electric Air Conditioning & Refrigeration Systems Works acquired ISO 9001 certification under Series 9000 of the International Standard Organization (ISO) based on a review of quality warranties for the production of refrigeration and air conditioning equipment.

ISO Authorization System

The ISO 9000 series is a plant authorization system relating to quality warranties as stipulated by the ISO. ISO 9001 certifies quality warranties based on the "design, development, production, installation and auxiliary services" for products built at an authorized plant.

Mitsubishi Electric Air Conditioning & Refrigeration Systems Works acquired environmental management system standard ISO 14001 certification.

The ISO 14000 series is a set of standards applying to environmental protection set by the International Standard Organization (ISO).



Certificate Number EC97J1227

C SD - PURY-P120YJMU-A - 1 - 201004 © MITSUBISHI ELECTRIC / HVAC 2010



HVAC Advanced Products Division

Mitsubishi Electric & Electronics USA, Inc.

3400 Lawrenceville Suwanee Rd.

Suwanee, GA 30024

Tele: 678-376-2900 • Fax: 800-889-9904

Toll Free: 800-433-4822 (#4)

www.mehvac.com

Specifications are subject to change without notice.