

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 with thermoset polyester-resin
- Operating Temperature Range
 - Cooling (Outdoor): 23° ~ 115°F (-5° ~ +46°C) DB
 - Heating (Outdoor): -4° ~ +60°F (-20° ~ +16°C) WB



PURY-P144YJMU-A-BS

INVERTER



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

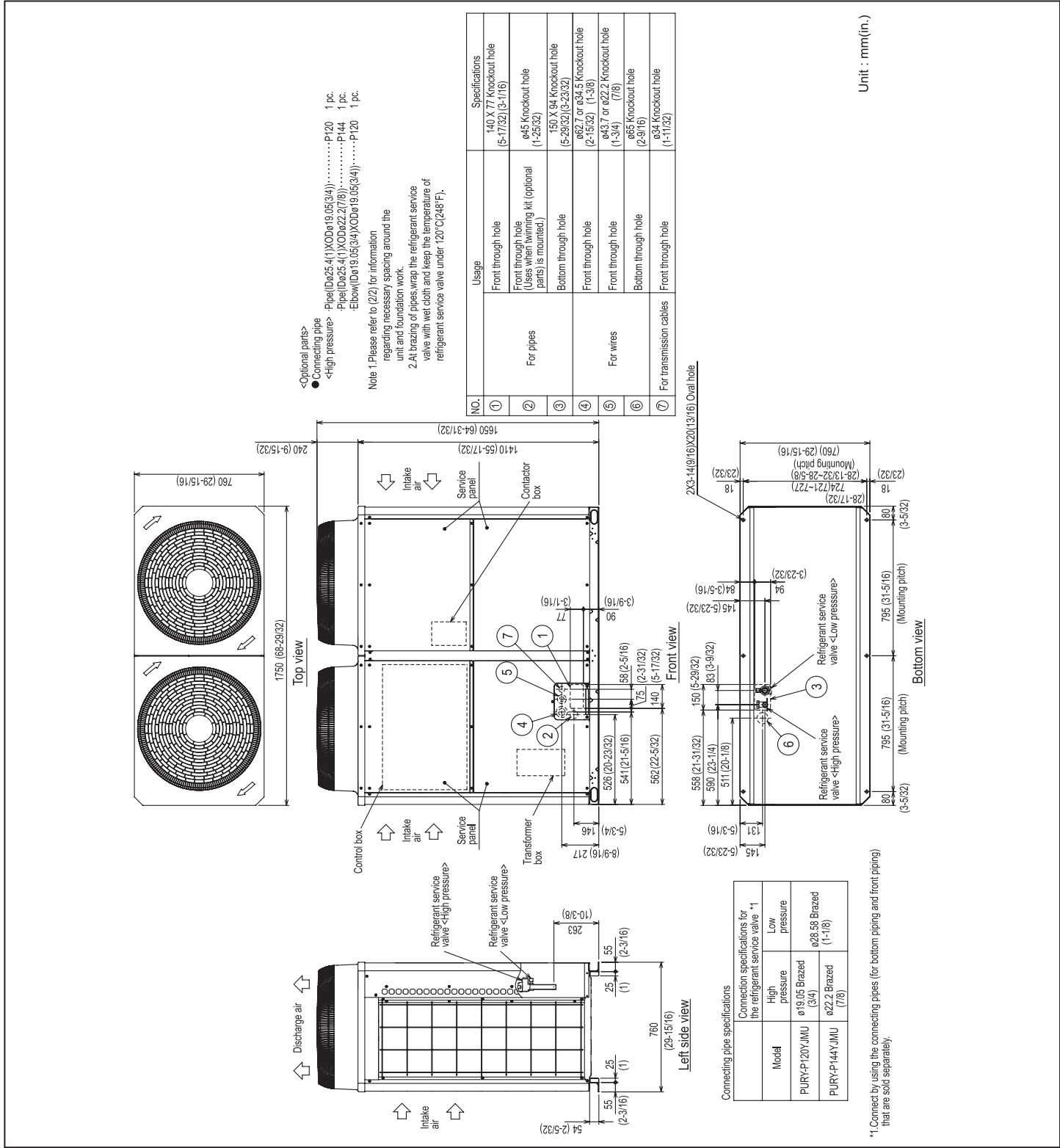
* Twinning Kit is necessary to combine the refrigerant flows of the modules and is included in the outdoor unit set.

Specifications		Model Name
Unit Type		PURY-P144YJMU-A-BS
Nominal Cooling Capacity	Btu/h	144,000
Nominal Heating Capacity	Btu/h	160,000
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	12.43
Heating Power Input	kW	13.20
Cooling Current (460V)	R.L.A.	17.3
Heating Current (460V)	R.L.A.	18.4
Minimum Circuit Ampacity (MCA)	A	27
Recommended Fuse/Breaker Size	A	30
Maximum Fuse Size	A	40
Piping Diameter (Brazed) (In. / mm)	Liquid (High Pressure)	7/8 / 22.2
	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 36
Sound Pressure Levels	dB(A)	61.0
Fan		
Type x Quantity		Propeller Fan x 2
Airflow Rate	CFM	12,010
Direct-drive Inverter Motor Output	kW	0.92 + 0.92
Compressor Operating Range		13% to 100%
Compressor Type x Quantity		Inverter-driven Scroll Hermetic x 1
Compressor Motor Output	kW	9.5
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 960 hours.		

SEACOAST PROTECTION

- External Panel Base, External Front Panel, Pillar: Alloyed galvanized-steel sheets with thermoset polyester-resin coating on internal and external surfaces
- Compressor Cover: Galvanized-aluminum sheets with thermoset polyester-resin coating on internal and external surfaces
- Electrical Parts Box: Galvanized-aluminum sheets with thermoset polyester-resin coating on external surface
- Fan Motor Support: Galvanized-steel sheets with thermoset polyester-resin coating on internal and external surfaces
- Printed Circuit Board: Epoxy resin with polyurethane-coating on external surface

Model: PURY-P144YJMU-A-BS – DIMENSIONS



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

