

Job Name:

Schedule Reference:

Date:



VRF HEAT PUMP WITH HEAT RECOVERY SYSTEM

**UNIT OPTION**

Standard Model ..... PQRV-P168TLMU-A1

**ACCESSORIES**

- BC Controller Main .....CMB-P108, 1012, 1016NU-JA1, CMB-P1016NU-KA1
- BC Controller Sub .....CMB-P104, 108NU-KB1
- Joint Adapter (Port Connector > 54,000 Btu/h)..... CMY-R160-J1
- Branch Joint (Downstream capacity ≤72,000 Btu/h)..... CMY-Y102SS-G2
- Branch Joint (Downstream capacity 73,000-96,000 Btu/h)..... CMY-Y102LS-G2
- Branch Joint (Downstream capacity ≤126,000 Btu/h) .....CMY-Y302S-G2
- Branch Joint (Downstream capacity ≤126,000 Btu/h) .....CMY-R201S-G
- Branch Joint (Downstream capacity 127,000-216,000 Btu/h).....CMY-R202S-G
- Branch Joint (Downstream capacity 217,000-234,000 Btu/h).....CMY-R203S-G
- Branch Joint (Downstream capacity 235,000-360,000 Btu/h)..... CMY-R204S-G
- Reducer (Between ODU and BC) .....CMY-R302S-G1
- Reducer (Between Main and Sub BC).....CMY-R303S-G1
- Reducer (Between Main and Sub BC)..... CMY-R304S-G1
- Reducer (Between Main and Sub BC)..... CMY-R305S-G1
- Reducer (Between Main and Sub BC)..... CMY-R306S-G

\* All electrical work shall comply with National (NEC) and local codes and regulations.

Specifications		Model Name
Unit Type		PQRV-P168TLMU-A1
Nominal Cooling Capacity	Btu/h	168,000
Nominal Heating Capacity	Btu/h	188,000
External Dimensions (H x W x D)	In. / mm	57-1/8 x 34-11/16 x 21-11/16 / 1,450 x 880 x 550
Net Weight	Lbs. / kg	479 / 217
Electrical Power Requirements	Voltage, Phase, Hertz	208/230V, 3-phase, 60Hz
Cooling Power Input	kW	12.05
Heating Power Input	kW	9.86
Cooling Current (208/230V)	A	37.1 / 33.6
Heating Current (208/230V)	A	30.4 / 27.5
Minimum Circuit Ampacity (MCA) *	A	44 / 39
Maximum Fuse Size	A	70 / 70
<i>Circulating Water (quality must meet regulations)</i>		
Flow Rate	GPM / L/s	32 / 2
Pressure Drop	psi	6.38
Operation Volume Range	GPM / L/s	20 - 51 / 1 - 3
Maximum Water Pressure	MPa / psi	2 / 290
Water-source Connections (Each for Inlet and Outlet)	In.	NPT1-1/2 Screw (Install strainer (more than 50 meshes) at water inlet piping of the unit)
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 Water-source Unit Capacity
	Model / Quantity	P06 to P96 / 1 to 42
Sound Pressure Levels	dB(A)	56
Compressor Operating Range		16 - 100%
Compressor Type x Quantity		Inverter-driven Scroll Hermetic x 1
Compressor Motor Output	kW	11
Compressor Crankcase Heater	kW	-
Refrigerant		R410A
Lubricant		MEL32
High-pressure Protection Device		601 psi / 4.15 MPa
Compressor / Fan Protection Device		Overheat Protection
Inverter Protection Device		Overheat / Overcurrent Protection

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Notes:

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved accessories for proper functioning of the unit(s). Use of non-MESCA supported accessories will affect warranty coverage.



Specifications are subject to change without notice.

