

Job Name:

Schedule Reference:

Date:

VRF HEAT PUMP WITH HEAT
RECOVERY SYSTEM

UNIT OPTION

☐ Standard Model PQRV-P240TLMU-A1

ACCESSORIES

BC Controller MainCMB-P108,1012,1016NU-JA1, CMB-P1016NU-KA1
 BC Controller SubCMB-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 ≤72,000 Btu/h)..... CMY-Y102SS-G2
 T-Branch Joint (145,000 - 234,000 Btu/h) CMY-Y202S-G2
 T-Branch Joint (≥ 235,000 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

Specifications		Model Name
Unit Type		PQRV-P240TLMU-A1
Nominal Cooling Capacity	Btu/h	240,000
Nominal Heating Capacity	Btu/h	270,000
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	556 / 252
Electrical Power Requirements	Voltage, Phase, Hertz	208/230V, 3-phase, 60Hz
Cooling Power Input	kW	21.14
Heating Power Input	kW	15.12
Cooling Current (208/230V)	A	65.1 / 58.9
Heating Current (208/230V)	A	46.6 / 42.1
Minimum Circuit Ampacity (MCA) *	A	79 / 71
Maximum Fuse Size	A	125 / 125
<i>Circulating Water (quality must meet regulations)</i>		
Flow Rate	GPM / L/s	51 / 3
Pressure Drop	psi	6.53
Operation Volume Range	GPM / L/s	26 - 63 / 2 - 4
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 (1-1/8 / 28.58 Brazed for the part that exceeds 65m)
	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 / 2 to 50
Sound Pressure Levels	dB(A)	58
Compressor Operating Range		12 - 100%
Compressor Type x Quantity		Inverter-driven Scroll Hermetic x 1
Compressor Motor Output	kW	16.1
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.**

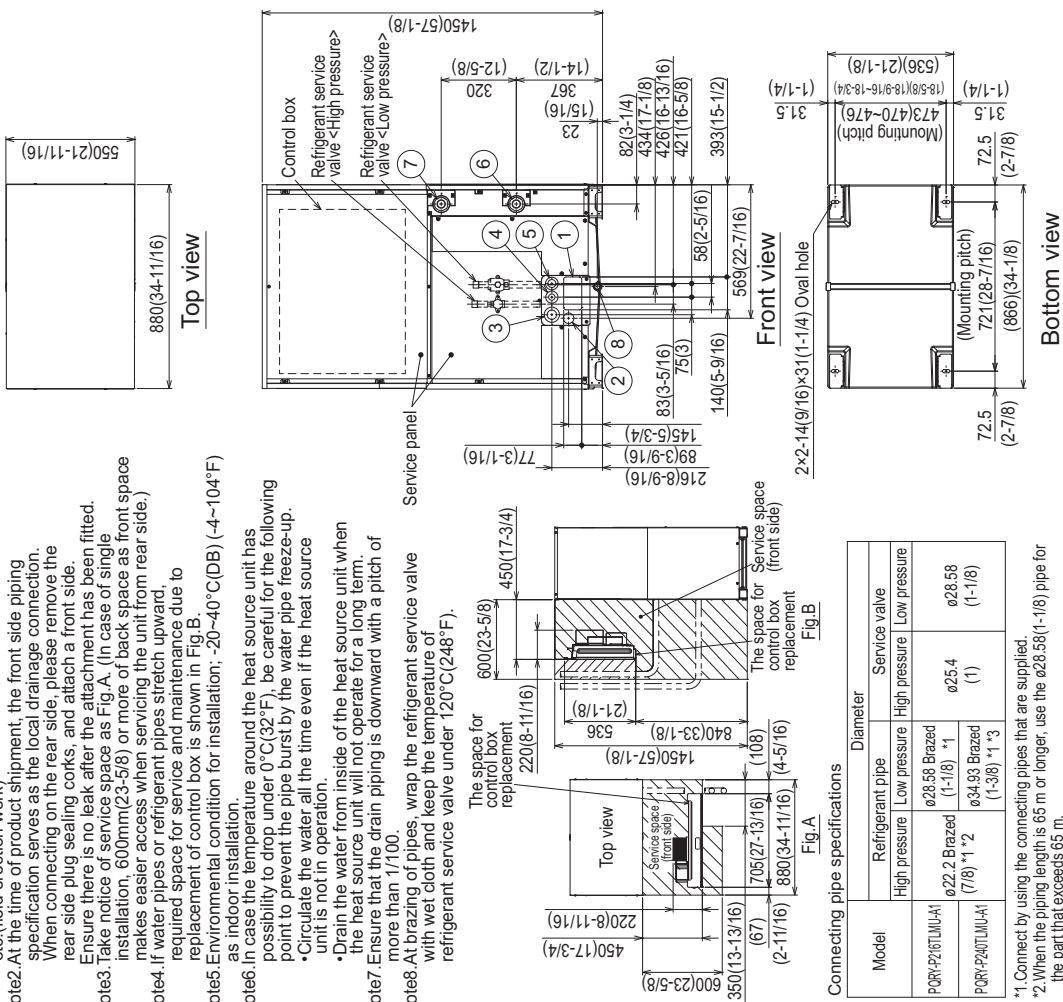
Specifications are subject to change without notice.

Module: PQRYP240TLMU-A1 - DIMENSIONS

Unit: mm(in)

<Accessories>

- Refrigerant (high pressure) conn. pipe.....1pc
 (P216/P240 ; Packaged in the accessory kit)
 Refrigerant (low pressure) conn. pipe.....1pc.
 (P216/P240 ; Packaged in the accessory kit)
 Water stopper.....1pc.
 (P216/P240 ; Packaged in the accessory kit)
 Sealing material for water stopper.....1pc.
 (P216/P240 ; Packaged in the accessory kit)
 Sealing material for field piping (high pressure)
 (P216/P240 ; Packaged in the accessory kit)
 Sealing material for drain socket.....1pc.
 (P216/P240 ; Packaged in the accessory kit)
 Pipe cover for low pressure.....1pc.
 (P216/P240 ; Packaged in the accessory kit)
 Sealing material for base leg (two types).....4pc
 (P216/P240 ; Packaged in the accessory kit)
 Sealing material for panel.....1pc.
 (P216/P240 ; Packaged in the accessory kit)



NO.	Usage	Specifications
①	Front through hole	140 x 77 Knockout hole (5-9/16) (3-1/16)
②	For pipes Front through hole (Uses when turning kit optional parts is mounted.)	ø45 Knockout hole (1-13/16)
③	For wires Front through hole	ø62.7 or ø64.5 Knockout hole (2-1/2) (1-3/8)
④	Front through hole	ø43.7 or ø62.2 Knockout hole (1-3/4) (7/8)
⑤	For transmission cables Front through hole	ø34 Knockout hole (1-3/8)
⑥	inlet	NPT1-1/2 Screw
⑦	Water pipe outlet	NPT1-1/2 Screw
⑧	Drain pipe	R-3/4 Screw

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Intertek

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