

Submittal Data: PQRY-P96ZLMU-B

Job Name:		Location:	
Purchaser:		Submitted By:	
Submitted To:		Engineer:	
Date:		Application:	

☐ Reference
 ☐ Approval
 ☐ Construction



*Reference image

GENERAL FEATURES:

- Simultaneous heating and cooling operation
- Double heat recovery operation within refrigerant loop and water loop
- Water flow rate control via DC 0-10V from control board
- Compatible with Mitsubishi Hybrid VRF system with HBC Controller(s)

Accessory	Model Numbers
Joint	CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1, CMY-R201, 202, 301, 306S-G, CMY-R302, 303, 304, 305S-G1
BC Controller	CMB-P104, 106, 108, 1012, 1016NU-J2
Main BC Controller	CMB-P108, 1012, 1016NU-JA2, CMB-P1016NU-KA2
Sub BC Controller	CMB-P104, 108NU-KB2
Main HBC Controller	CMB-WP108, CMB-1016NU-AA
Sub-HBC Controller	CMB-WP108, CMB-1016NU-AB

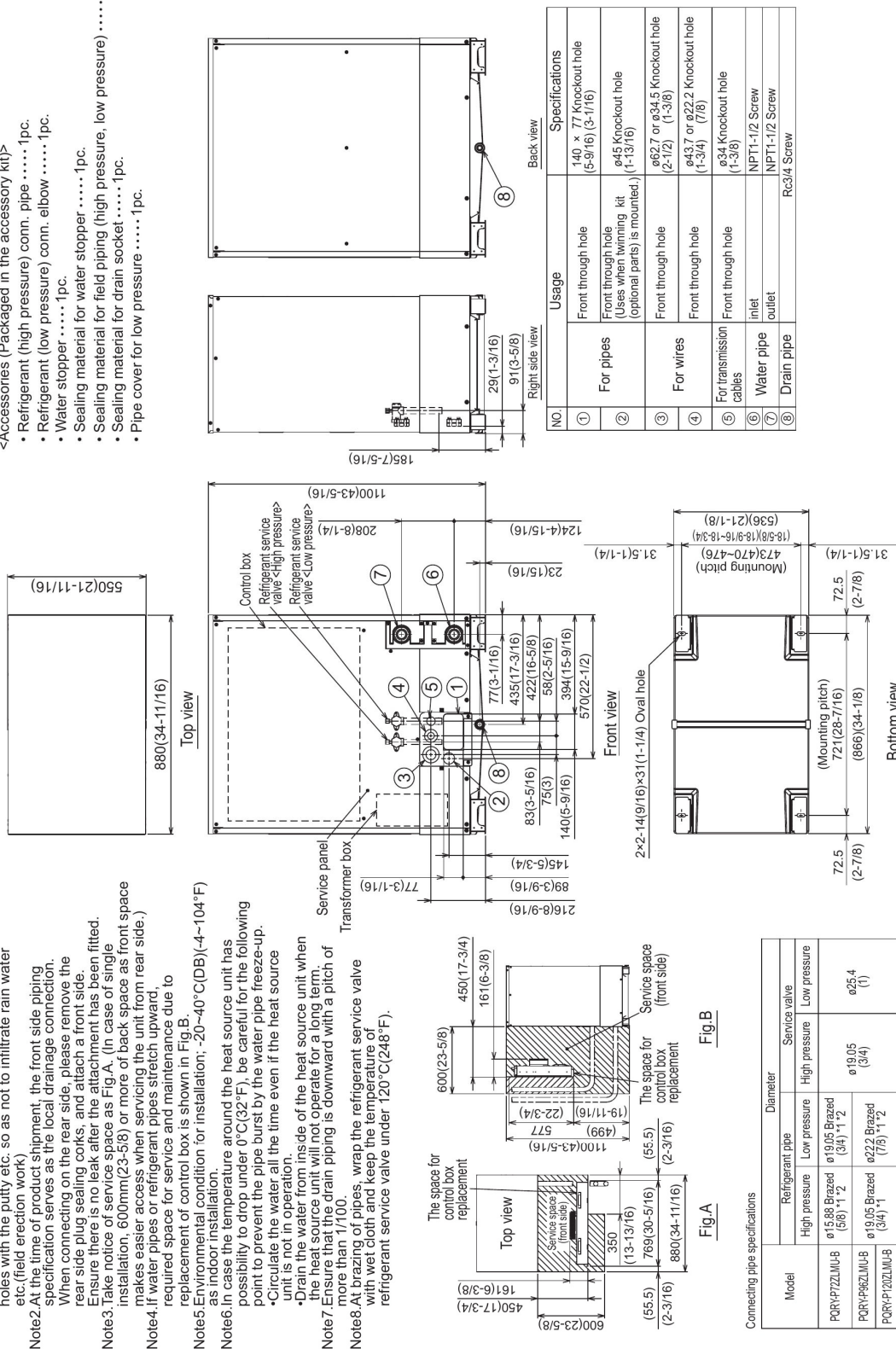
Outdoor Model	PQRY-P96ZLMU-B	
Power Source	3-phase 3-wire 575 V ±10% 60 Hz	
Cooling		
Cooling Capacity (Nominal)	96000	BTU/h
Cooling Capacity (Nominal)	28.1	kW
Power Input (Nominal)	5.21	kW
Current Input (Nominal)	5.8	A
Cooling Capacity (Rated)	92000	BTU/h
Cooling Capacity (Rated)	27	kW
Power Input (Rated) Non-Ducted/ Ducted	5.22/5.45	kW
Current Input (Rated) Non-Ducted/ Ducted	5.8/6.0	A
Guaranteed Operating Range (Indoor)	59.0°F~75.0°F W.B. (15.0°C~24.0°C)	
Guaranteed Operating Range (Outdoor)	50~113°F (10~45°C)	
Heating		
Heating Capacity (Nominal)	108000	BTU/h
Heating Capacity (Nominal)	31.7	kW
Power Input (Nominal)	5.64	kW
Current Input (Nominal)	6.2	A
Heating Capacity (Rated)	103000	BTU/h
Heating Capacity (Rated)	30.2	kW
Power Input (Rated) Non-Ducted/ Ducted	4.49/4.48	kW
Current Input (Rated) Non-Ducted/ Ducted	5.0/4.9	A
Operating Range (Indoor)	59.0°F~81.0°F D.B. (15.0°C~27.0°C)	
Operating Range (Outdoor)	50~113°F (10~45°C)	
Electrical		
Minimum Circuit Ampacity (MCA)	9	A
Maximum Overcurrent Protection (MOP)	15	A
Refrigerant Piping		
High Pressure Diameter	3/4 (19.05) Brazed	in (mm)
Low Pressure Diameter	7/8 (22.2) Brazed	in (mm)
Circulating Water		
Circulating water flowrate	25.4 (96)	G/min (L/min)
Circulating water Pressure drop	3.48 (24)	psi (kPa)
Circulating water flowrate/pressure operating range	13.2 ~ 31.7 (3.0~7.2)	G/min (m3/h)
Compressor		
Type × Quantity	Inverter scroll hermetic × 1	
Motor Output	6	kW
Starting Method	Inverter	
Case Heater	0.035	kW
Lubricant	MEL32	
Physical & Finish		
External finish	Galvanized steel sheet	
External Dimensions (H × W × D)	43-5/16 x 34-11/16 x 21-11/16	in
External Dimensions (H × W × D)	1,100 x 880 x 550	mm
Net Weight	406 (184)	lb (kg)
Sound Levels		
Sound Power Level (in anechoic room)	65	dB<A>
Indoor Unit Connectable		
Total Capacity	50~150% of heat source unit capacity	
Model / Maximum Quantity	P04~P96/24	
Refrigerant		
Type × Original Charge	R410A x 11 lbs + 1 oz (5.0 kg)	

Notes:

- Nominal cooling conditions (Test conditions are based on AHRI 1230)
Indoor: 81°F D.B./66°F W.B. (27°C D.B./19°C W.B.), Inlet water temperature: 86°F (30°C)
- Nominal heating conditions (Test conditions are based on AHRI 1230)
Indoor: 68°F D.B. (20°C D.B.), Inlet water temperature: 68°F (20°C)
- The sound values are sound power level (PWL) based on ISO 3744:2010 (r=3.5m).
Test conditions: Indoor: 81°F D.B./66°F W.B. (27°C D.B./19°C W.B.), Inlet water temperature: 86°F (30°C)
- 23°F EWT (Entering water temperature) is possible via DipSwitch Setting. Antifreeze (glycol) must be added to the water loop to prevent freezing down to 5°F
- The ambient temperature of the Heat Source Unit is to be below 104°F D.B. (40°C D.B.)
- The ambient relative humidity of the Heat Source Unit is to be below 80%.
- The Heat Source Unit should not be installed at outdoor.
- Use a strainer (more than 50 meshes) at the water inlet piping of the unit.
- Provide interlocking for the unit operation and water circuit.
- Install the supplied insulation material to the unused drain-socket.
- When installing insulation material around both water and refrigerant piping, follow the installation manual.
- The water circuit must be a closed circuit (water is not exposed to the atmosphere).
- All electrical work shall comply with Nation (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.
- Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved accessories. Use of non-MESCA supported accessories will affect warranty coverage

Unit: mm(in)

- Accessories (Packaged in the accessory kit) >
- Refrigerant (high pressure) conn. pipe 1pc.
- Refrigerant (low pressure) conn. elbow 1pc.
- Water stopper 1pc.
- Sealing material for water stopper 1pc.
- Sealing material for field piping (high pressure, low pressure) 1pc. each
- Sealing material for drain socket 1pc.
- Pipe cover for low pressure 1pc.



Connecting pipe specifications

Fig. B

Fig. A

*1.Connect by using the connecting pipes and elbow that are supplied.

*2 Use the pipe joint(field supply) and connect to the refrigerant service valve piping.