

Job Name: \_\_\_\_\_

Drawing Reference: \_\_\_\_\_

Schedule No. \_\_\_\_\_

System No.: \_\_\_\_\_

### WATER-SOURCE VRFZ SYSTEM FEATURES

- Inverter-driven (variable speed) scroll compressor
- Total pipe length of up to 984' for refrigerant piping depending on distance/height between unit and branch header
- One-point flexible water-source pipe connection
- Connections for refrigerant, water, and electrical on top or left side
- Compact cabinet
- Internal cooling system eliminates the need for ventilation—unit installs easily inside the building in smaller mechanical rooms



### WATER-SOURCE VRFZ SPECIFICATIONS

#### Capacity

Cooling.....96,000 Btu/h  
Heating.....107,000 Btu/h

#### Power

Power Source.....208 / 230V, 3-phase, 60Hz  
Power Input  
Cooling.....6.95 kW  
Heating.....6.84 kW  
Current  
Cooling (208 / 230).....21.43 / 19.38 A  
Heating (208 / 230).....21.09 / 19.07 A  
Minimum Circuit Ampacity (MCA) (208 / 230).....25.5 / 23.0 A  
Maximum Overcurrent Protection (MOCP) Fuse.....40 A

External Finish.....Hot-dip Galvanized-steel Sheets

#### External Dimensions

Inches.....70-7/8 h x 39 w x 21-11/16 d  
mm.....1800 h x 990 w x 550 d

#### Net Weight

lbs.....594  
kg.....269

#### Circulating Water

Flow Rate.....25 gpm / 1.6 L/s  
Pressure Drop.....6.9 ft. / 3 psi  
Operation Volume Range.....20 - 32 gpm / 75 - 120 L/m  
Water-source Connection.....1-1/2 in. FPT

Coil Type.....Copper Tube-in-tube

#### Compressor

Type.....Inverter-driven Scroll Hermetic  
Motor Output.....6.0 kW  
Case Heater.....0.057 kW

Lubricant.....MEL32

Refrigerant.....R410A

#### Protection Devices

High Pressure Protection.....4.15 MPa/ 601 psi  
Compressor.....Overcurrent / Overheat Protection  
Inverter.....Overcurrent / Overheat Protection

#### Piping Diameter

Liquid (High Pressure).....3/8" / 9.52 mm Flare  
Gas (Low Pressure).....7/8" / 22.2 mm Braze

#### Indoor Unit

Total Capacity.....50% -130% of Water-source Unit Capacity  
Model / Quantity.....P06-P96 / 1 ~ 16

Sound Level.....47 dB(A)

#### Operating Temperature Range—Indoor Temperature

Cooling.....59°F (15°C) WB ~ 75°F (24°C) WB  
Heating.....59°F (15°C) DB ~ 81°F (27°C) DB

#### Operating Temperature Range—Circulating Water

Cooling.....50°F (10°C) ~ 113°F (45°C)  
Heating.....50°F (10°C) ~ 113°F (45°C)

#### Options

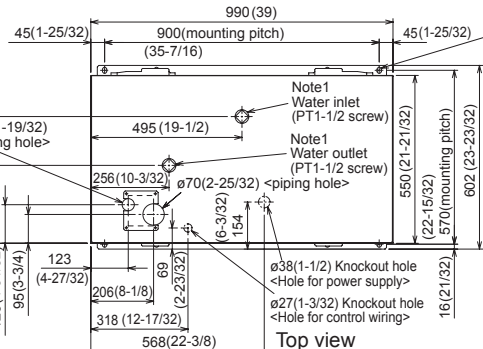
- Branch Joint (T-Branch: ≤ 72,000 Btu/h).....CMY-Y102S-G2
- Branch Joint (T-Branch: 73,000-144,000 Btu/h).....CMY-Y102L-G2
- Header - 4-Branch (Capacity: ≤ 72,000 Btu/h).....CMY-Y104-G
- Header - 8-Branch (Capacity: ≤ 144,000 Btu/h).....CMY-Y108-G
- Header - 10-Branch (Capacity: ≤ 234,000 Btu/h).....CMY-Y1010-G

**Note:** Please refer to the Engineering Manual for information on water quality, water circuit design, and more.

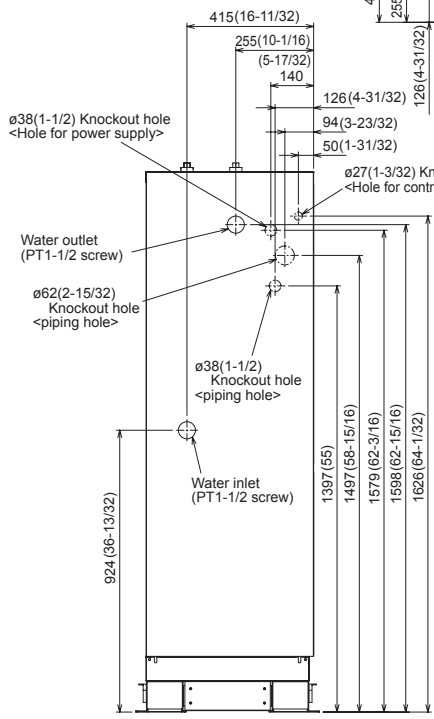
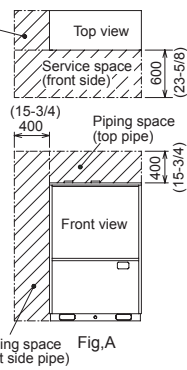
Notes: \_\_\_\_\_

# Model: PQHY-P96TGMU-A – DIMENSIONS

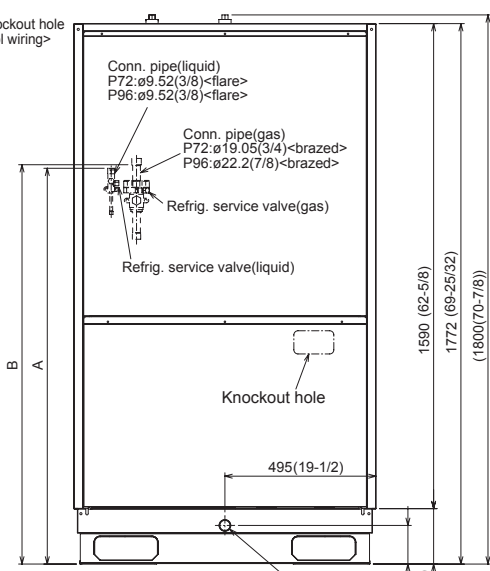
- Accessories
- Refrigerant (Gas) Connection Pipe.....1 Piece (Factory Installed)
  - Packing for Connection Pipe.....1 Piece (Attached Near Ball Valve)
  - Bushing .....2 Pieces
  - Piping Adapter (5/16→1/4 inch).....2 Pieces



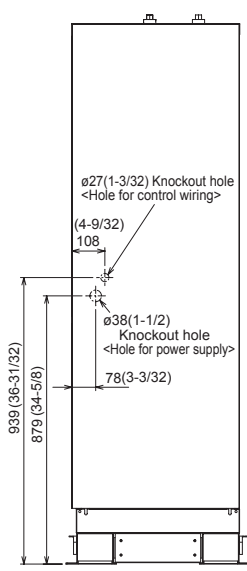
- Note 1: Seal all unused water piping, refrigerant piping, power supply, control wiring, and unused knockout holes with putty.
- Note 2: The drain hole on the front serves as the primary drainage connection. If the optional drain hole on the rear side is chosen as the drainage connection, remove its sealing plug and attach the drain pipe. Ensure there is no leak after the pipe has been attached.
- Note 3: Take into consideration necessary installation space (Figure A). If a single unit is installed, make sure there is 600mm (23-5/8 in.) or more of clearance in the front to make it easier for servicing.
- Note 4: If there is a possibility for the temperature around the unit to fall below 0°C (32°F), perform the following tasks to prevent the water pipes from freezing and, perhaps, bursting.
- Continuously circulate the water even if the unit is not operating.
  - Drain the water from inside the unit if it will not be operating for a long period.



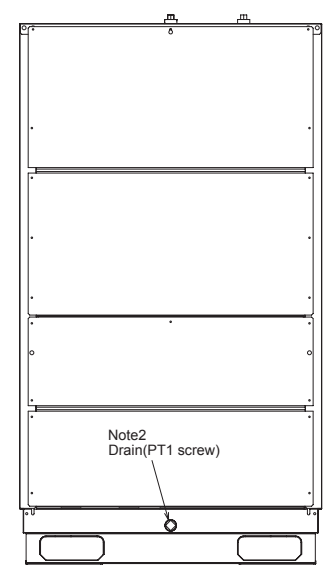
Left side view



Front view



Right side view



Back view

| Model | A            | B              |
|-------|--------------|----------------|
| P72   | 1289(50-3/4) | 1309(51-9/16)  |
| P96   | 1289(50-3/4) | 1319(51-15/16) |



Mitsubishi Electric Air Conditioning & Refrigeration Systems Works ac 9001 certification under Series 9000 of the International Standard Orgs based on a review of quality warranties for the production of refrigerant conditioning equipment.

ISO Authorization System  
The ISO 9000 series is a plant authorization system relating to quality stipulated by the ISO. ISO 9001 certifies quality warranties based on development, production, installation and auxiliary services\* for product 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).

**MITSUBISHI ELECTRIC**

**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.**