

Job Name:

Schedule Reference:

Date:



GENERAL FEATURES

- Dual set point functionality (*1)
- **Heats water to 115° F (46° C)**
 - Hydronic heat exchanger transfers energy from refrigerant to water
 - Can be used to recover waste heat from cooling operation to water, resulting in large energy savings
 - Applications include radiant heating, melting snow, reheating air, preheating hot water and many other uses
- **Cools water to 50° F (10° C)**
 - Can be used for precooling outside air, cooling pool water, misting stations, process cooling and more
- Unit is not suitable for direct potable water flow
- Connectable with CITY MULTI R2, Y, H2i, WR2 and WY systems
- Y-strainer included
- Flow switch included

* Cooling | Outdoor: 95° F (35° C) DB
Inlet Water Temperature: 74° F (23° C)
Water Flow Rate: 16.9 GPM

Heating | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB
Inlet Water Temperature: 86° F (30° C)
Water Flow Rate: 18.9 GPM

Design notes:

- the unit is not designed for outside installation
- please don't use the steel material for the water piping material
- always make water circulate or add the brine to the circulation water when ambient temperature becomes 0° C (32° F) or less
- always make water circulate or pull out the circulation water completely when not using it
- do not use groundwater and well water
- Install unit in an environment where the wet bulb temperature will not exceed 32° C (92° F)
- the water circuit must use closed circuit
- please do not use as a drinking water

Note:

*1 – All components of the system must be compatible. For more details on system compatibility, please refer to Technical Bulletin 100-151 available on our website.

Notes:

SPECIFICATIONS

Capacity*

Cooling.....72,000 Btu/h
Heating.....79,800 Btu/h

Power

Power Source.....208 / 230V, 1-phase, 60Hz

Power Consumption.....0.015 kW

Current.....0.072 / 0.065 A

Minimum Circuit Ampacity (MCA).....0.09 A

Recommended Maximum Fuse/Breaker Size.....15 A

Controllers.....PAR-W21MAA

Cooling Operating Outdoor Temp. Range

PUHY-HP.....23° to +109° F DB (-5° to +43° C DB)

PURY/PUHY.....23° to +115° F DB (-5° to +46° C DB)

Heating Operating Outdoor Temp. Range

PURY/PQRY.....-4° F to +90° F WB (-20° C to +32° C WB)

PUHY/PQHY.....-4° F to +60° F WB (-20° C to -16° C WB)

Operating Inlet Water Temp. Range

Cooling.....50° F to 95° F (10° C to 35° C)

Heating.....50° F to 105° F (10° C to 41° C)

Leaving Water Temp. Range

Cooling.....41° F to 86° F (5° C to 30° C)

Heating.....86° F to 113° F (30° C to 45° C)

Connectable Outdoor Units.....PURY-P72~240T/Y(S)KMU (-BS)

PQRY-P72~240T/Y(S)HMU / PQHY-P72~360T/Y(S)HMU

PQRY-P72~240Z(S)KMU / PQHY-P72~360Z(S)KMU

PUHY-P72~360T/Y(S)KMU (-BS) / PUHY-HP72~192T(S)JMU (-BS)

External Finish.....Galvanized-steel Sheet

External Dimensions

Inches.....31-1/2 H x 17-3/4 W x 11-13/16 D

mm.....800 H x 450 W x 300 D

Net Weight.....84 lbs. / 38 kg

Refrigerant

PM / 60-72 L/m

Type.....R410A

Design Pressure.....4.15 MPa / 601 psi

Circulating Water

Operation Volume Range.....7.95 -18.9 GPM / 30-72 L/m

Design Pressure.....1 MPa / 145 psi

Refrigerant Piping Dimensions

Liquid (High Pressure).....3/8" / 9.52 mm

Gas (Low Pressure).....3/4" / 19.05 mm

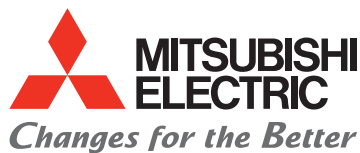
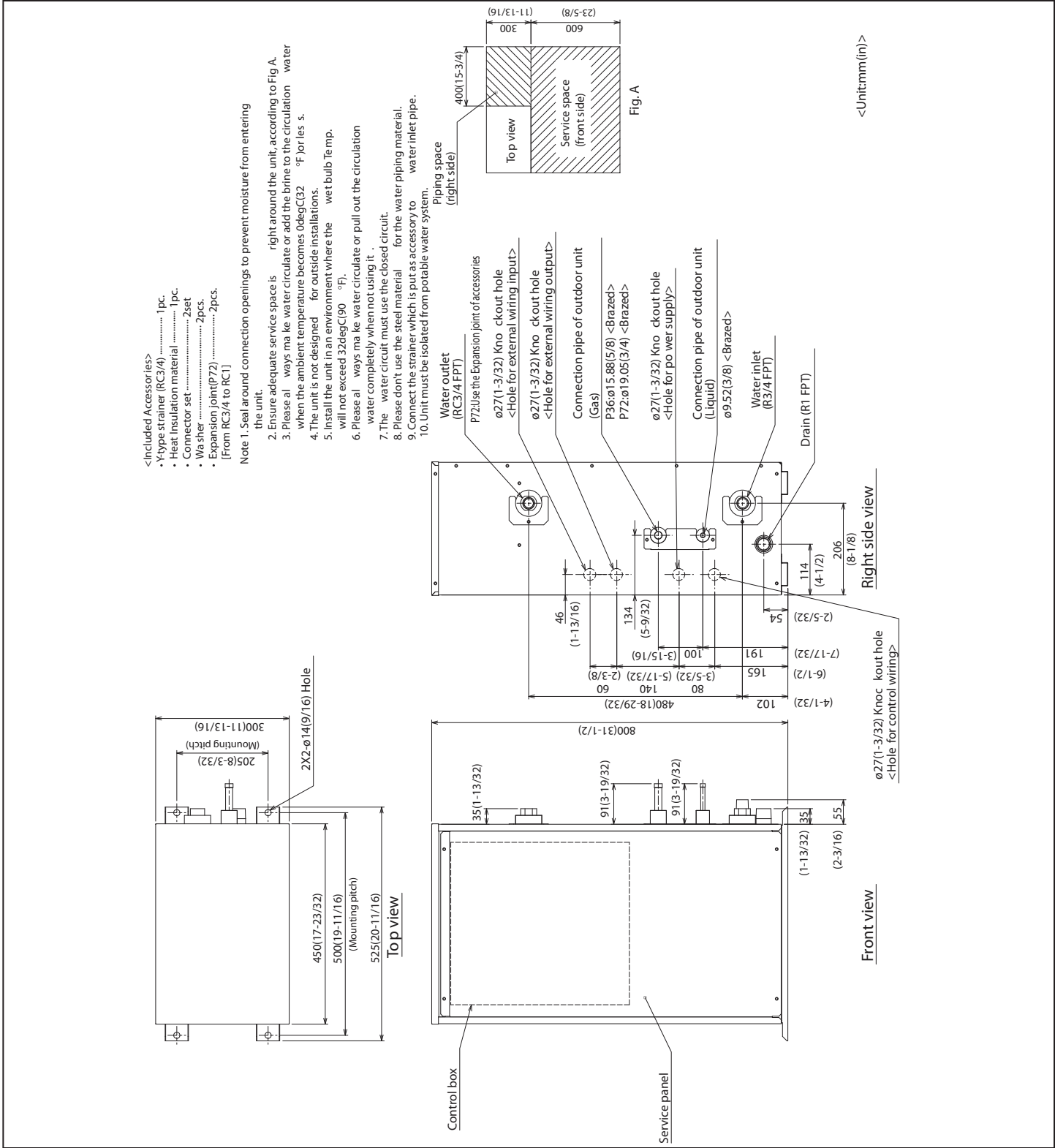
Water Piping Dimensions

Inlet.....1" / 34.0 mm FPT

Outlet.....1" / 34.0 mm FPT

Drainpipe Dimension.....O.D. 1-1/4" / 32 mm

Sound Pressure Level.....29 dB(A)



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