# PEFY-P48NMHU-E-OA



Job Name:
System Reference: Date:



## GENERAL FEATURES

- Ducted fan coil for 100% outside air applications
- Discharge air temperature control
- Compatibale with Y and R2-Series outdoor units
- Can be used in conjunction with standard indoor units
- Three modes of operation: cooling, heating, and fan only
- Three fan speed settings
- Dual set point functionality*
- Built-in condensate lift; lifts to 27-9/16” (700 mm)

*Requires PAR-30MAOA controller

## ACCESSORIES

☐ CN24 Relay Kit (CN24RELAY-KIT-CM3)
☐ Filter Box, includes 2" MERV 13 filter (FBHO2-3)
☐ MA Remote Controller (PAR-30MAOA)

## NOTES

*1. Capacity indicates the maximum value at operation under the following condition.
Cooling: Indoor 91°F (32.7°C)DB/82°F (27.8°C)WB, Outdoor 91°F (32.7°C)DB.
The set temperature of the remote controller is 63°F (17.2°C).
Heating: Indoor 32°F (0°C)DB/27°F (-2.9°C)WB,
Outdoor 32°F (0°C)DB/27°F (-2.9°C)WB.
The set temperature of the remote controller is 77°F (25°C).

*2. Thermo-off (FAN-mode) automatically starts if the outdoor temperature is lower than 63°F (17.2°C)D.B. The fan speed automaticall runs at a very low speed if the outdoor temperature is greater than 109°F (42.8°C)D.B.

*3. Thermo-off (FAN-mode) automatically starts if the outdoor temperature is higher than 59°F (15.0°C)D.B.

*4. If the airflow rate is over the usable range, dew drops can be caused from the air outlet and the air flow rate is changed automatically because of the output down by the fan motor control. If the air flow rate is less than the usable range, condensation from the unit surface may occur.

- The maximum connectable indoor units to 1 outdoor unit are 110% (100% in case of heating below 23°F (-5°C)).
- When fresh air intake type indoor units connect to an outdoor unit together with other types of indoor unit, the total capacity of fresh air intake TYPE indoor units needs to be 30% or less of the connected outdoor unit capacity.
- Un-conditioned outdoor air such as humid air or cold air blows to the indoor during thermo off operation.
  Please be careful when positioning indoor unit air OUTLET GRILLES, IE take the necessary precautions for cold air, and also insulate rooms for dew condensation prevention as required.
- Fresh air intake type indoor units cannot be connected to PUMY and cannot be connected to an outdoor unit together with PWFY series.
- See data book and technical service manual for more details and system restrictions.

**If equipment is being used in a seacoast application, a coil coating to protect against saltwater corrosion is recommended

## SPECIFICATIONS

| | | |
|---|---|---|
| **Capacity *1** | | |
| Cooling | Btu/h | 48,000 |
| Heating | Btu/h | 28,000 |
| **Temperature Range** | | |
| Cooling *2 | 63~118°F D.B. (17.2~47.7°C D.B.) | |
| Heating *3 | 14~59°F D.B. (-10~15°C D.B.) | |
| **Electrical** | | |
| Electrical Power Requirements | 1-phase, 208 / 230V, 60Hz | |
| Minimum Circuit Ampacity (MCA) | A | 3.3 / 3.0 |
| Recommended Fuse Size | A | 15 |
| **External Dimensions (H x W x D)** | | |
| Unit | In. (mm) | 15 x 47-1/16 x 35-7/16 (380 x 1,195 x 900) |
| **Net Weight** | | |
| Unit | Lbs (kg) | 109 (49) |
| **External Finish** | | |
| Unit | Galvanized steel sheet | |
| **Coil Type** | Cross fin (Aluminum fin and copper tube) | |
| **Fan** | | |
| Type x Quantity | Sirocco fan x 1 | |
| Airflow Rate (Low-Mid2-Mid1-High) *4 | CFM | 500 - 550 - 600 |
| Expernal Static Pressure *4 | In. WG | 0.60 - 0.80 - 1.00 |
| Motor Type | DC Motor | |
| Motor Output | kW | 0.244 |
| Motor F.L.A. | A | 2.7 / 2.4 |
| **Air Filter** | Field Supply | |
| **Refrigerant Piping Diameter** | | |
| Liquid (High Pressure) | In. (mm) | 3/8 (9.52) Brazed |
| Gas (Low Pressure) | In. (mm) | 5/8 (15.88) Brazed |
| **Field Drain Pipe Size** | In. (mm) | O.D. 1-1/4 (32) x2 |
| **Sound Pressure Level** | | |
| Low-Mid-High | dB(A) | 38-40-41 |

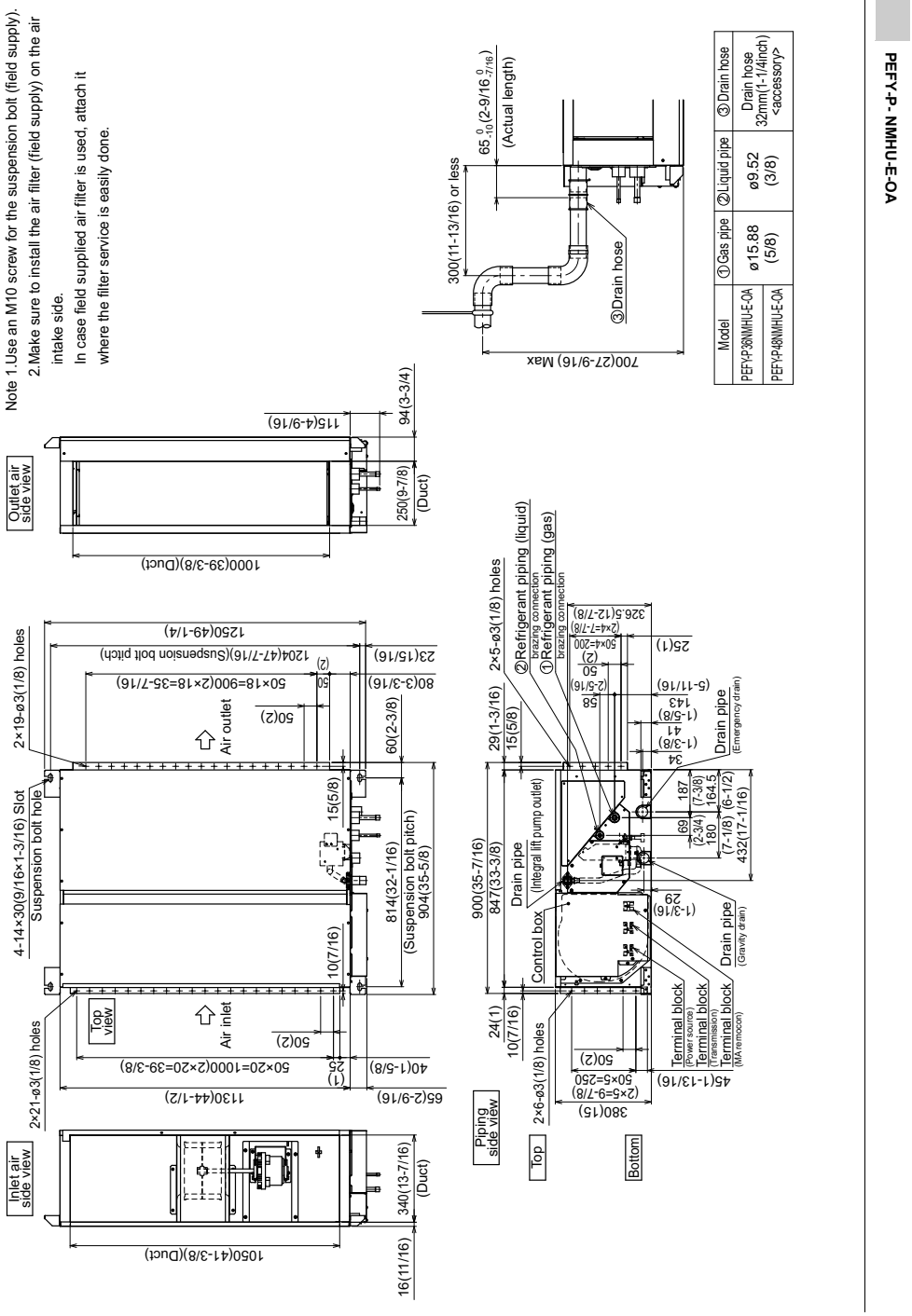
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# Model: PEFY-P48NMHU-E-OA – DIMENSIONS

PEFY-P36, 48NMHU-E-OA

Unit: mm (in.)




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MITSUBISHI ELECTRIC
COOLING & HEATING
1340 Satellite Boulevard. Suwanee, GA 30024
Toll Free: 800-433-4822 www.mehvac.com


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