

# PEFY-L48NMAU-A

## 48,000 BTU/H HORIZONTAL-DUCTED INDOOR UNIT



Job Name:

System Reference:

Date:



### GENERAL FEATURES

- 9-7/8" (250mm) high for low ceiling heights
- Auto fan mode
- Built-in condensate lift; lifts to 27-9/16" (700 mm)
- Dual set point functionality
- Ducted fan coil supporting multiple configurations for flexible installation
- Five-Stage Static Pressure Settings: Five-stage external static pressure settings provide flexibility for duct extension, branching, and air outlet configuration and are adjustable to meet different application conditions. The settings range to a maximum of 0.60 in.WG (150 Pa).
- Multiple fan speed settings

| Specifications                            |                                |                                      | System                                      |
|---|--------------------------------|--------------------------------------|---|
| Unit Type                                 |                                |                                      | PEFY-L48NMAU-A                              |
| Cooling Capacity (Nominal) <sup>1,3</sup> | Cooling Capacity (Nominal)     | Btu/h                                | 48,000                                      |
| Heating Capacity (Nominal) <sup>2,3</sup> | Heating Capacity (Nominal)     | Btu/h                                | 54,000                                      |
| Electrical                                | Voltage, Phase, Frequency      | V AC / V AC, ø, Hz                   | 208 / 230, 1, 60                            |
|   | Power Consumption Cooling      | kW                                   | 0.242                                       |
|   | Power Consumption Heating      | kW                                   | 0.24  |
|   | Current Cooling                | A                                    | 2.06/1.87                                   |
|   | Current Heating                | A                                    | 2.06/1.87                                   |
|   | MCA                            | A                                    | 3.38  |
|   | MOCP                           | A                                    | 15  |
| Indoor Unit                               | Fan Motor Type                 |                                      | DC Motor                                    |
|   | Fan Motor Output               | W                                    | 300   |
|   | Airflow Rate at Cooling, Dry   | CFM                                  | 918, 1,112, 1,306                           |
|   | Airflow Rate at Heating, Dry   | CFM                                  | 918, 1,112, 1,306                           |
|   | Sound Pressure Level [Cooling] | dB (A)                               | 35, 40, 44                                  |
|   | Sound Pressure Level [Heating] | dB (A)                               | 35, 40, 44                                  |
|   | External Static Pressure       | in.WG                                | 0.14, 0.20, 0.28, 0.40, 0.60                |
|   | DBC on HEX (Yes or No)         |                                      | No  |
|   | Unit Dimensions (W x D x H)    | inch x inch x inch<br>[mm x mm x mm] | 55-1/8 x 28-7/8 x 9-7/8 [1,400 x 732 x 250] |
|   | Package Dimensions (W x D x H) | inch x inch x inch<br>[mm x mm x mm] | 65-3/4 x 35-7/16 x 13 [1,670 x 900 x 330]   |
| Unit Weight                               | lbs [kg]                       | 86 [39]                              |   |
| Package Weight                            | lbs [kg]                       | 99 [45]                              |   |
| Refrigerant                               | Type                           |                                      | R454B                                       |
| Piping                                    | Liquid Pipe Size O.D.          | inch [mm]                            | 3/8 [9.52]                                  |
|   | Gas Pipe Size O.D.             | inch [mm]                            | 5/8 [15.88]                                 |
| Drain Pipe                                | Drain Pipe Size O.D.           | inch [mm]                            | 1-1/4 [32]                                  |

**NOTES**

<sup>1</sup>Cooling at 95°F (Indoor: 80°F DB, 67°F WB // Outdoor: 95°F DB, 75°F WB)

<sup>2</sup>Heating at 47°F (Indoor: 70°F DB, 60°F WB // Outdoor: 47°F DB, 43°F WB)

<sup>3</sup>Nominal capacity only. Actual capacity output varies based on the system-specific configuration.

## INDOOR UNIT ACCESSORIES: PEFY-L48NMAU-A

|  |  |                   |
|--|--|-------------------|
| Wired Remote Controller                        | Deluxe MA Wired Remote Controller <sup>1</sup>   | PAR-42MAAUB       |
|  | Deluxe Wired MA Remote Controller  | PAR-40MAAU        |
|  | Simple Direct Wired Remote Controller  | PAC-SDW01RC-1     |
|  | Simple MA Remote Controller <sup>1</sup>   | PAC-YT53CRAU-J    |
|  | Smart ME Remote Controller   | PAR-U01MEDU-K     |
|  | Touch MA Wired Remote Controller <sup>1</sup>  | PAR-CT01MAU-SB    |
| Control Interface                              | 3-Pin Wiring Harness   | PAC-715AD         |
|  | 5-Pin Wiring Harness   | PAC-725AD         |
|  | Airzone Wired Blueface Controller Black  | AZZBSBLUEZEROCN   |
|  | Airzone Wired Blueface Controller White  | AZZBSBLUEZEROCB   |
|  | Airzone Wireless Lite Controller Black   | AZZBSLITERN       |
|  | Airzone Wireless Lite Controller White   | AZZBSLITERB       |
|  | Airzone Wireless Think Controller Black  | AZZBSTHINKRN      |
|  | Airzone Wireless Think Controller White  | AZZBSTHINKRB      |
|  | IT Extender for kumo station   | PAC-WHS01IE-E     |
|  | kumo station for the Comfort app   | PAC-WHS01HC-E     |
|  | Procon BACnet and Modbus Interface   | PAC-UKPRC001-CN-1 |
|  | Thermostat Interface for 3rd Party Thermostats   | PAC-US445CN-1     |
| Wireless Interface Adapter for the Comfort app | PAC-USWHS002-WF-2  |                   |
| Condensate                                     | Blue Diamond Advanced Mini Condensate Pump w Reservoir Sensor 208230V recommended                        | X87-721           |
|  | Blue Diamond MaxiBlue Advanced Mini Condensate Pump w Reservoir Sensor 110V up to 48000 BTUH recommended | X87-711           |
|  | Blue Diamond MegaBlue Advanced Condensate Pump w Reservoir Sensor  | X87-835           |
|  | Blue Diamond MultiTank collection tank for use with multiple pumps                                       | C21-014           |
|  | Blue Diamond Sensor Extension Cable 15 Ft  | C13-103           |
|  | Refco Condensate Pump 100-240 VAC up to 120000 BTUH  | COMBI             |
| Sauermann Condensate Pump                      | SI30-230   |                   |
| Filter Box                                     | Filter Box with MERV 13 Filter   | FBM2-4-A          |
| Lineset  | 10 x 3/8 x 10 x 5/8 Lineset Twin-Tube Insulation   | MPLS385812T-10    |
|  | 100 x 3/8 x 65 x 5/8 Lineset Twin-Tube Insulation  | MPLS385812T-100   |
|  | 15 x 3/8 x 15 x 5/8 Lineset Twin-Tube Insulation   | MPLS385812T-15    |
|  | 30 x 3/8 x 30 x 5/8 Lineset Twin-Tube Insulation   | MPLS385812T-30    |
|  | 50 x 3/8 x 50 x 5/8 Lineset Twin-Tube Insulation   | MPLS385812T-50    |
|  | 65 x 3/8 x 65 x 5/8 Lineset Twin-Tube Insulation   | MPLS385812T-65    |
| Remote Sensor                                  | Flush Mount Remote Temperature Sensor for SEZ SLZ SVZ and all P-Series models                            | PAC-USSEN002-FM-1 |
|  | Wall Mount Remote Temperature Sensor   | PAC-SE41TS-E      |
|  | Wireless temperature and humidity sensor for the Comfort app   | PAC-USWHS003-TH-1 |
| Control Wire                                   | 202PR 1PR shielded 1PR plenum wire for Airzone 100 ft reel   | CW2042S2-100      |
|  | 202PR shielded 1PR plenum wire for Airzone 500 ft reel   | CW2042S2-500      |
| Terminal Signal Adapter                        | CN105 Wire Harness Adapter for CN51 & CN100  | PAC-IT51AD-E      |
| Wireless Remote Controller                     | Lockdown Bracket for Wireless Handheld Remote Controllers  | RCMKP1CB          |
|  | RedLINK Wireless Remote Controller   | MHK2              |
|  | Universal Wireless MA Handheld Remote Controller   | PAR-FL32MA-E      |
|  | Universal Wireless Receiver for PAR-FL32MA-E   | PAR-FA32MA-W      |
| Power Supplies and Auxiliary Components        | Backup Heat Relay Kit Adapter for CN24 or CN152 Connector  | CN24RELAY-KIT-CM3 |
| NOTES  |  |                   |

# INDOOR UNIT DIMENSIONS: PEFY-L48NMAU-A

- Notes 1. Use an M10 screw for the suspension bolt (field supply).  
 2. Keep the service space for maintenance at the bottom.  
 3. If the inlet duct is used, remove the air filter (supplied with the unit), then install the filter (field supply) at the suction side.  
 4. Heat air to 0.6(32°F) or higher when taking fresh air with a fresh air intake.  
 5. As representative drawing, PEFY-L18\*24\*27NMAU-A is shown in this drawing. Refer to below information about the number of fan.

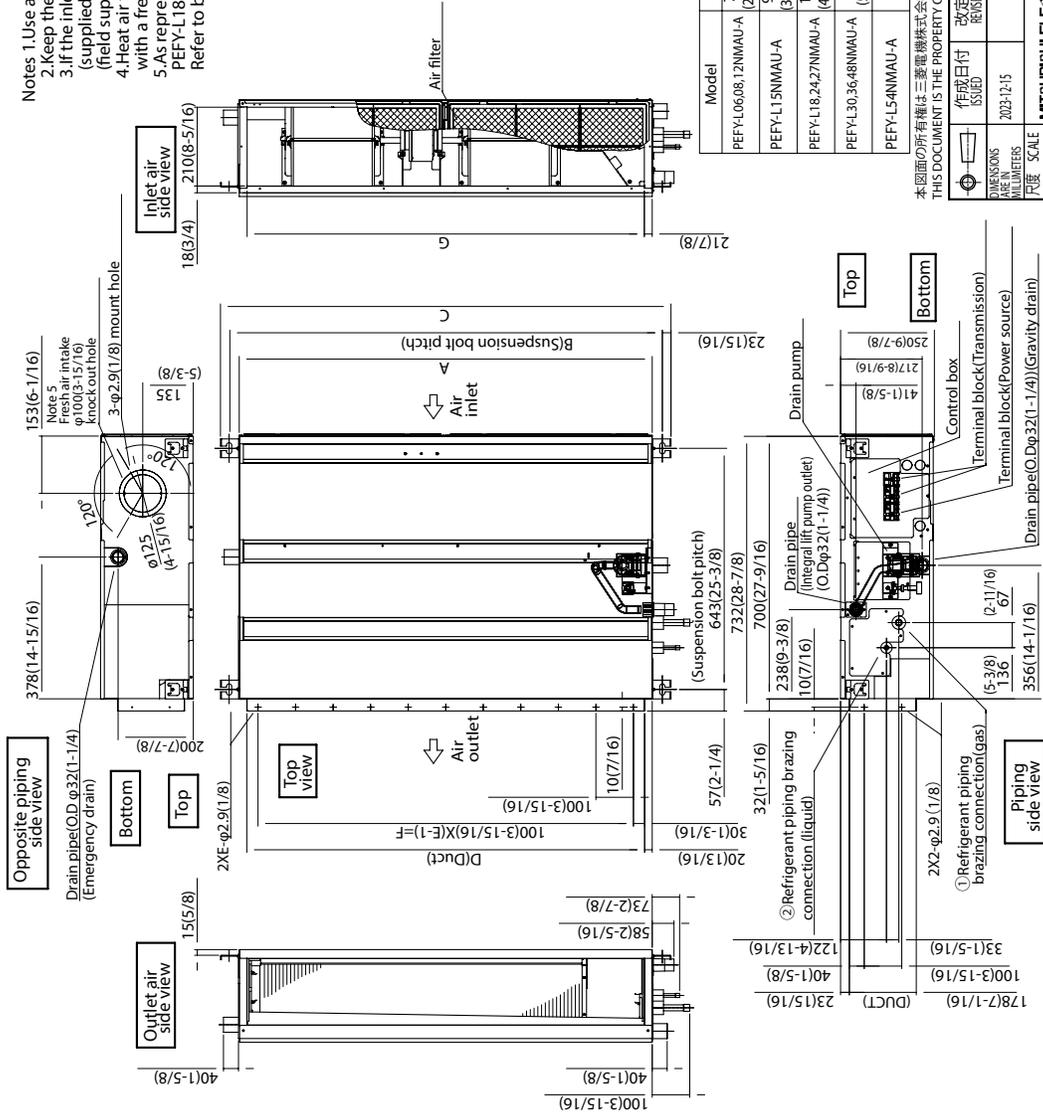
| Model                   | Number of fans |
|-------------------------|----------------|
| PEFY-L06,08,12NMAU-A    | 1              |
| PEFY-L15,18,24,27NMAU-A | 2              |
| PEFY-L30,36,48,54NMAU-A | 3              |

| Model                         | ① Gas pipe   | ② Liquid pipe |
|-------------------------------|--------------|---------------|
| PEFY-L06,08,12,15,18NMAU-A    | φ12.7 (1/2)  | φ6.35 (1/4)   |
| PEFY-L24,27,30,36,48,54NMAU-A | φ15.88 (5/8) | φ9.52 (3/8)   |

| Model                | A              | B              | C               | D              | E            | F              | G               |
|----------------------|----------------|----------------|-----------------|----------------|--------------|----------------|-----------------|
| PEFY-L06,08,12NMAU-A | 700 (27-9/16)  | 754 (29-11/16) | 800 (31-1/2)    | 660 (26)       | 7 (23-5/8)   | 600 (23-5/8)   | 638 (25-15/16)  |
| PEFY-L15NMAU-A       | 900 (35-7/16)  | 954 (37-9/16)  | 1000 (39-3/8)   | 860 (33-7/8)   | 9 (31-1/2)   | 800 (31-1/2)   | 858 (33-13/16)  |
| PEFY-L18,24,27NMAU-A | 1100 (43-5/16) | 1154 (45-7/16) | 1200 (47-1/4)   | 1060 (41-3/4)  | 11 (39-3/8)  | 1000 (39-3/8)  | 1058 (41-11/16) |
| PEFY-L30,36,48NMAU-A | 1400 (55-1/8)  | 1454 (57-1/4)  | 1500 (59-1/16)  | 1360 (53-9/16) | 14 (51-3/16) | 1300 (51-3/16) | 1358 (53-1/2)   |
| PEFY-L54NMAU-A       | 1600 (63)      | 1654 (65-1/8)  | 1700 (66-15/16) | 1560 (61-7/16) | 16 (59-1/16) | 1500 (59-1/16) | 1558 (61-3/8)   |

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| 作成日付<br>ISSUED   | 2023-12-15    |
| 改定日付<br>REVISED  |               |
| EXTERNAL DIMENSION<br>PEFY-L06*08*12*15*18*24*27*30*36*48*54NMAU-A |               |
| MITSUBISHI ELECTRIC - RP - R410-N W KB94C86L                       |               |
| 寸法<br>DIMENSIONS   | スケール<br>SCALE |
| 1/2  | 1/2           |



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