CITY MULTI®

# PEFY-M12NMAU-A
# 12,000 BTU/H CEILING CONCEALED INDOOR UNIT

MITSUBISHI ELECTRIC
HEATING & AIR CONDITIONING

| | | | |
|---|---|---|---|
| **Job Name:** | | | |
| **System Reference:** | | **Date:** | |

## GENERAL FEATURES

- Quiet: Outdoor units are as quiet as a typical conversation, and most indoor units are whisper quiet.
- Dual Set Point: The controller can be used to program two different set points. The unit will automatically adjust between the set points for optimum comfort.
- Condensate Lift Mechanism: Reduces the need for an additional pump to remove condensate. Units with a condensate lift mechanism also include an overflow safety switch.
- Leak Detection Sensor Built-in: Dual Compatible (R32/R454B) Refrigerant Leak Sensor built-in
- Dual Compatible Refrigerant: Indoor unit is dual compatible with both R-32 and R-454B refrigerants.

| SPECIFICATIONS | | | SYSTEM |
|---|---|---|---|
| UNIT TYPE | | | PEFY-M12NMAU-A |
| Cooling Capacity (Nominal)[1] | Cooling Capacity (Nominal) | Btu/h | 12,000 |
| Heating Capacity (Nominal)[1] | Heating Capacity (Nominal) | Btu/h | 13,500 |
| Electrical | Voltage, Phase, Frequency | V AC / V AC , ø , Hz | 208 / 230 , 1 , 60 |
| | Power Consumption Cooling | | 0.05 |
| | Power Consumption Heating | | 0.05 |
| | Current Cooling | | 0.56 |
| | Current Heating | | 0.56 |
| | MCA | A | 1.88 |
| | MOCP | A | 15 |
| Indoor Unit | External Finish Color | | Galvanized Steel |
| | Unit Dimensions (W x D x H) | inch x inch x inch [ mm x mm x mm ] | 27-9/16 x 28-7/8 x 9-7/8 [ 700 x 732 x 250 ] |
| | Unit Weight | lbs [ kg ] | 48 [ 21.50 ] |
| | Heat Exchanger | | Cross fin (Aluminum fin and Copper Tube) |
| | Dual Barrier Coating on HEX | | No |
| | Dual Barrier Coating on Fan | | No |
| Refrigerant | Type | | R-32 / R-454B |
| Fan | Type x Quantity | | Sirocco fan x 1 |
| | Motor Type | | DC Motor |
| | Motor Output | W | 85 |
| | External Static Pressure | in.WG , in.WG , in. WG , in.WG in.WG Factory set to in.WG in. WG | 0.14 , 0.20 , 0.28 , 0.40 0.60 Factory set to 0.20 in. WG |
| | Airflow Rate | CFM | 265 , 318 , 371 |
| Sound Pressure Level (Measured in anechoic room) | Cooling | dB (A) | 26 , 30 , 34 |
| | Heating | dB (A) | 26 , 30 , 34 |
| Piping | Liquid Pipe Size O.D. | inch [ mm ] | 1/4 [ 6.35 ] |
| | Gas Pipe Size O.D. | inch [ mm ] | 1/2 [ 12.72 ] |
| | Drain Pipe Size O.D. | inch [ mm ] | 1-1/4 [ 32 ] |

**Notes**

[1]Cooling / Heating capacity indicated at operation under the following conditions: Cooling | Indoor: 81° F (27° C) DB / 68° F (19° C) WB; Outdoor 95° F (35° C) DB Heating | Indoor: 68° F (20° C) DB; Outdoor 45° F (7° C) DB / 43° F (6° C) WB


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# INDOOR UNIT ACCESSORIES: PEFY-M12NMAU-A

| | | |
|---|---|---|
| Alarm Kit | Alarm kit | PAC-SL54AL-E |
| | Power supply interface for Alarm Kit | PAC-IF55AL-E |
| Condensate | Blue Diamond MicroBlue Mini Condensate Pump 110208230V up to 18000 BTUH | X86-003 |
| | Blue Diamond Advanced Mini Condensate Pump w Reservoir Sensor 208230V recommended | X88-721 |
| | Refco Condensate Pump 100-240 VAC up to 120000 BTUH | COMBI |
| | Sauermann Condensate Pump | SI30-230 |
| Control Interface | Procon BACnet and Modbus Interface | PAC-UKPRC001-CN-1 |
| | Wireless Interface Adapter for the Comfort app | PAC-USWHS002-WF-2 |
| | IT Extender for kumo station | PAC-WHS01IE-E |
| | Thermostat Interface | PAC-US446CN-1 |
| | kumo station for the Comfort app | PAC-WHS01HC-E |
| Control Wire | MA Control Wire - 1,000 Feet | CW222-1000 |
| | M-Net Control Wire - 250 Foot Roll | CW162S-250 |
| | M-Net Control Wire - 1,000 Foot Roll | CW162S-1000 |
| | MA Control Wire - 250Feet | CW222-250 |
| Filter Box | Filter Box with 2" thick pleated MERV 13 Filter | FBM2-1-A |
| Lineset | 100 x 1/4 x 100 1/2 Lineset Twin-Tube Insulation | MLS141212T-100 |
| | 65 x 1/4 x 65 1/2 Lineset Twin-Tube Insulation | MLS141212T-65 |
| | 15 x 1/4 x 15 1/2 Lineset Twin-Tube Insulation | MLS141212T-15 |
| | 50 x 1/4 x 50 1/2 Lineset Twin-Tube Insulation | MLS141212T-50 |
| | 30 x 1/4 x 30 1/2 Lineset Twin-Tube Insulation | MLS141212T-30 |
| Remote Sensor | Wireless temperature and humidity sensor for the Comfort app | PAC-USWHS003-TH-1 |
| | Flush Mount Remote Temperature Sensor | PAC-USSEN002-FM-2 |
| | Wall Mount Remote Temperature Sensor | PAC-SE42TS-E |
| Terminal Signal Adapter | Backup Heat Relay Kit Adapter for CN24 or CN152 Connector | CN24RELAY-KIT-CM3 |
| | 5-Pin Wiring Harness | PAC-725AD |
| | 3-Pin Wiring Harness | PAC-715AD |
| Wired Remote Controller | Touch MA Wired Remote Controller | PAR-CT01MAU-SB |
| | Simple Direct Wired Remote Controller | PAC-SDW01RC-2 |
| | Deluxe MA Remote Controller | PAR-43MAAUB |
| | Smart ME Remote Controller - Backlit touchscreen | PAR-U01MEDU-K |
| | Simple MA Remote Controller | PAC-YT53CRAU-J |
| Wireless Remote Controller | Wireless Universal Signal Receiver (for PAR-SL101A-E) | PAR-SA9CA-E |
| | Wireless MA Signal Receiver (for PAR-FL32MA-E) | PAR-FA32MA |
| | RedLINK Wireless Remote Controller | MHK2 |
| | Wireless MA Remote Controller | PAR-FL32MA-E |
| | Wireless Remote Contoller | PAR-SL101A-E |

**Notes**

[1]Requires MAC-334IF-E Interface to connect MA controller


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# INDOOR UNIT DIMENSIONS: PEFY-M12NMAU-A

## PEFY-M06, 08, 12, 15, 18, 24, 27, 30, 36, 48, 54NMAU-A

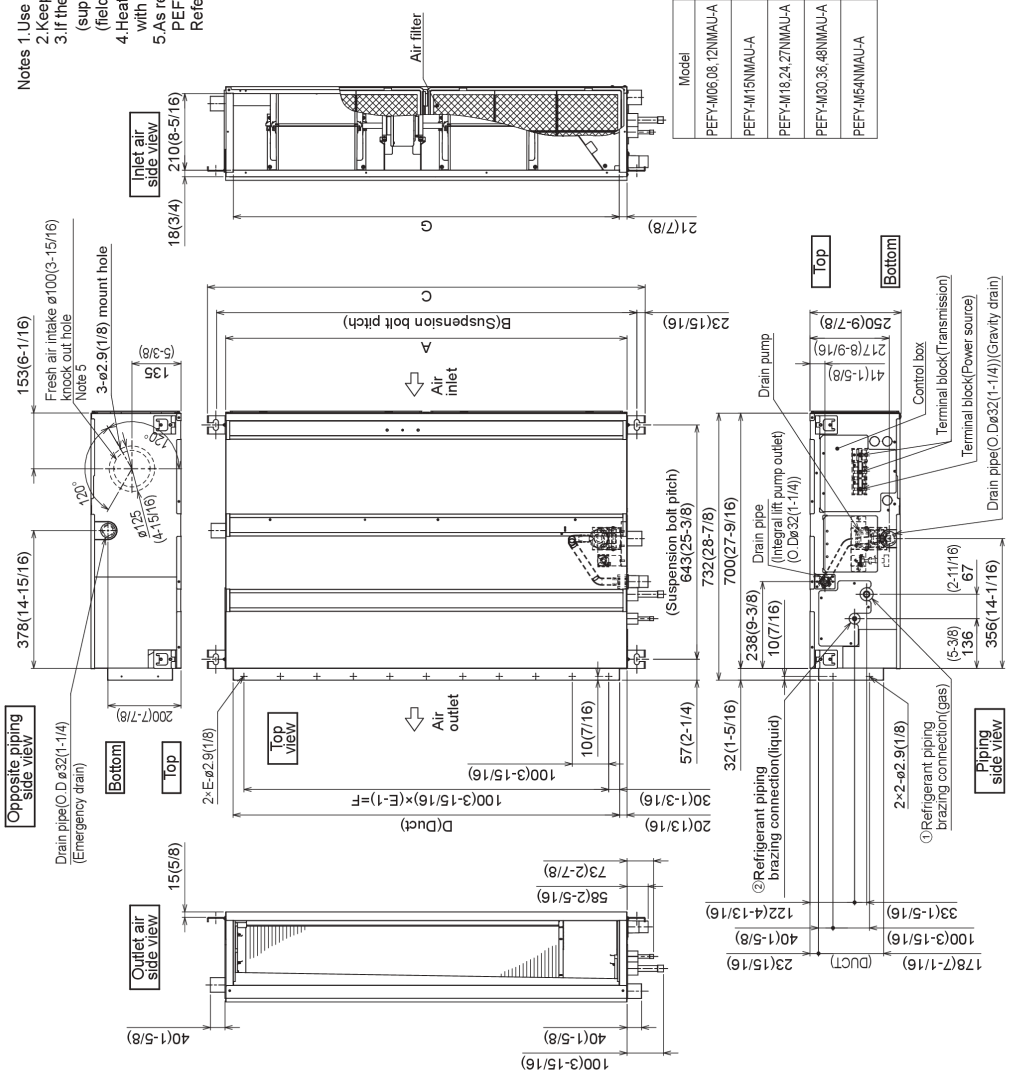
Unit: mm (in.)

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°C (32°F) or higher when taking fresh air with a fresh air intake.
5. As representative drawing, PEFY-M18 · 24 · 27NMAU-A is shown in this drawing. Refer to below information about the number of fan.

| Model | Number of fan |
|---|---|
| PEFY-M06,08,12NMAU-A | 1 |
| PEFY-M15,18,24,27NMAU-A | 2 |
| PEFY-M30,36,48,54NMAU-A | 3 |

| Model | ①Gas pipe | ②Liquid pipe |
|---|---|---|
| PEFY-M06,08,12, 15,18NMAU-A | ø12.7 (1/2) | ø6.35 (1/4) |
| PEFY-M24,27,30, 36,48,54NMAU-A | ø15.88 (5/8) | ø9.52 (3/8) |

| Model | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| PEFY-M06,08,12NMAU-A | 700 (27-9/16) | 754 (29-11/16) | 800 (31-1/2) | 660 (26) | 7 | 600 (23-5/8) | 658 (25-15/16) |
| PEFY-M15NMAU-A | 900 (35-7/16) | 954 (37-9/16) | 1000 (39-3/8) | 860 (33-7/8) | 9 | 800 (31-1/2) | 858 (33-13/16) |
| PEFY-M18,24,27NMAU-A | 1100 (43-5/16) | 1154 (45-7/16) | 1200 (47-1/4) | 1060 (41-3/4) | 11 | 1000 (39-3/8) | 1058 (41-11/16) |
| PEFY-M30,36,48NMAU-A | 1400 (55-1/8) | 1454 (57-1/4) | 1500 (59-1/16) | 1360 (53-9/16) | 14 | 1300 (51-3/16) | 1358 (53-1/2) |
| PEFY-M54NMAU-A | 1600 (63) | 1654 (65-1/8) | 1700 (66-15/16) | 1560 (61-7/16) | 16 | 1500 (59-1/16) | 1558 (61-3/8) |





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