CITY MULTI

# TPEFYP030MH1M0A
# 30,000 BTU/H CEILING CONCEALED INDOOR UNIT

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

## GENERAL FEATURES

- 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 | | | TPEFYP030MH1M0A |
| Cooling Capacity (Nominal)[1] | Cooling Capacity (Nominal) | Btu/h | 30000 |
| Heating Capacity (Nominal)[1] | Heating Capacity (Nominal) | Btu/h | 34000 |
| Electrical | Voltage, Phase, Frequency | V AC / V AC , ø , Hz | 208 / 230 , 1 , 60 |
| | Power Consumption Cooling | kW | 0.22 |
| | Power Consumption Heating | kW | 0.22 |
| | Current Cooling | A | 1.50 |
| | Current Heating | A | 1.50 |
| | MCA | A | 3.38 |
| | 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 ] | 40-9/16 x 35-7/16 x 15 [ 1030 x 900 x 380 ] |
| | Unit Weight | lbs [ kg ] | 104 [ 47 ] |
| | 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 | Motor Type | | DC Motor |
| | Motor Output | W | 300 |
| | External Static Pressure | in.WG | 0.40 , 0.60 , 0.80 , 1 |
| | Factory Default Static Pressure | in.WG | 0.60 |
| | Airflow Rate | CFM | 636 , 759 , 883 |
| Sound Pressure Level (Measured in anechoic room) | Cooling | dB (A) | 31 , 35 , 40 |
| | Heating | dB (A) | 31 , 35 , 40 |
| 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 Size O.D. | inch [ mm ] | 1.25 [ 32 ] |

**Notes**

[1]Cooling / Heating capacity indicated at operation under the following conditions: Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB; Outdoor 95° F (35° C) DBHeating | Indoor: 68° F (20° C) DB; Outdoor 45° F (7° C) DB / 43° F (6° C) WB


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# INDOOR UNIT ACCESSORIES: TPEFYP030MH1M0A

| | | | |
|---|---|---|---|
| Alarm Kit | Alarm kit | ☐ | PAC-SL54AL-E |
| | Power supply interface for Alarm Kit | ☐ | PAC-IF55AL-E |
| Condensate | Blue Diamond MaxiBlue Condensate Pump with Reservoir Sensor 115-230V up to 48k BTU/h | ☐ | X88-721 |
| | Blue Diamond MultiTank collection tank for use with MegaBlue | ☐ | C21-014 |
| | Blue Diamond Sensor Extension Cable 15 Ft | ☐ | C13-103 |
| | Blue Diamond MegaBlue Condensate Pump with Reservoir Sensor 115-230V up to 170k BTU/h | ☐ | X87-835 |
| | Refco Condensate Pump 100-240V up to 120k BTU/h | ☐ | COMBI |
| | Sauermann Condensate Pump 120-230V up to 60k BTU/h | ☐ | SI30-230 |
| Control Interface | Thermostat Interface | ☐ | PAC-US446CN-1 |
| | Wireless Interface 2 for Comfrot app | ☐ | PAC-USWHS002-WF-2 |
| | kumo station® for Comfort app | ☐ | PAC-WHS01HC-E |
| | Procon BACnet® and Modbus® Interface | ☐ | PAC-UKPRC001-CN-1 |
| | IT Extender | ☐ | PAC-WHS01IE-E |
| Control Wire | M-Net Control Wire - 250 Foot Roll | ☐ | CW162S-250 |
| | MA Control Wire - 1,000 Feet | ☐ | CW222-1000 |
| | MA Control Wire - 250Feet | ☐ | CW222-250 |
| | M-Net Control Wire - 1,000 Foot Roll | ☐ | CW162S-1000 |
| Filter Box | Filter Box with 2" thick pleated MERV 13 Filters | ☐ | FBH2-2 |
| Lineset | 3/8 x 5/8 Lineset Twin-Tube Insulation - 50 feet | ☐ | MPLS385812T-50 |
| | 3/8 x 5/8 Lineset Twin-Tube Insulation - 10 feet | ☐ | MPLS385812T-10 |
| | 3/8 x 5/8 Lineset Twin-Tube Insulation - 65 feet | ☐ | MPLS385812T-65 |
| | 3/8 x 5/8 Lineset Twin-Tube Insulation - 15 feet | ☐ | MPLS385812T-15 |
| | 3/8 x 5/8 Lineset Twin-Tube Insulation - 30 feet | ☐ | MPLS385812T-30 |
| | 3/8 x 5/8 Lineset Twin-Tube Insulation - 100 feet | ☐ | MPLS385812T-100 |
| Remote Sensor | Wall Mount Remote Temperature Sensor | ☐ | PAC-SE42TS-E |
| | Wireless temperature and humidity sensor for Comfort app | ☐ | PAC-USWHS003-TH-1 |
| | Flush Mount Remote Temperature Sensor | ☐ | PAC-USSEN002-FM-2 |
| Terminal Signal Adapter | Connector and wire for On/Off and Fan command using CN32 | ☐ | PAC-715AD |
| | Backup Heat Relay Kit | ☐ | CN24RELAY-KIT-CM3 |
| | Connector and wire for On/Off and Error status using CN51 and CN52 | ☐ | PAC-725AD |
| Wired Remote Controller | Simple MA Remote Controller | ☐ | PAC-YT53CRAU-J |
| | Touch MA Remote Controller | ☐ | PAR-CT01MAU-SB |
| | Simple Direct Wired Remote Controller | ☐ | PAC-SDW01RC-2 |
| | Deluxe MA Remote Controller | ☐ | PAR-43MAAUB |
| | Smart ME Remote Controller | ☐ | PAR-U01MEDU-K |
| Wireless Remote Controller | Wireless MA Handheld Remote Controller (requires PAR-FA32MA-E) | ☐ | PAR-FL32MA-E |
| | Wireless MA Signal Receiver (for PAR-FL32MA-E) | ☐ | PAR-FA32MA |
| | Wireless RedLINK™ Remote Controller | ☐ | MHK2 |

**Notes**

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


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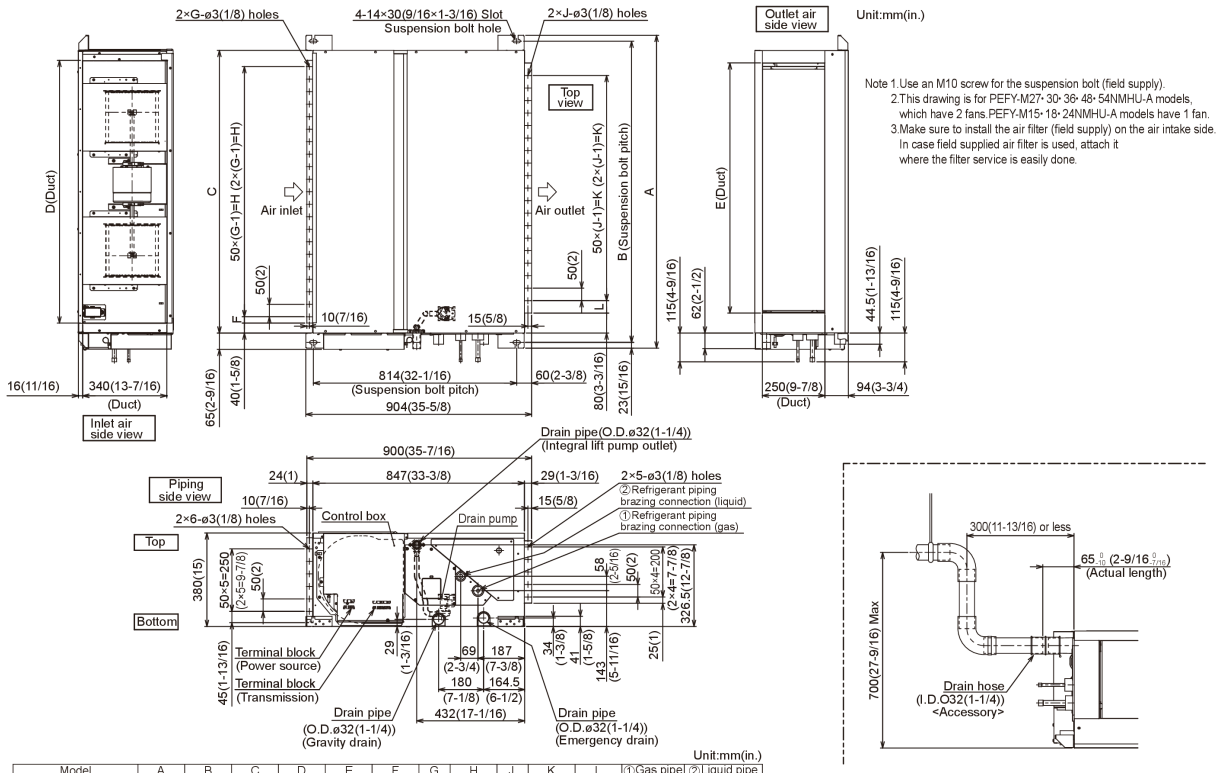
# INDOOR UNIT DIMENSIONS: TPEFYP030MH1M0A

PEFY-M15, 18, 24, 27, 30, 36, 48, 54NMHU-A




Note 1.Use an M10 screw for the suspension bolt (field supply).
2.This drawing is for PEFY-M27・30・36・48・54NMHU-A models, which have 2 fans.PEFY-M15・18・24NMHU-A models have 1 fan.
3.Make sure to install the air filter (field supply) on the air intake side. In case field supplied air filter is used, attach it where the filter service is easily done.

Unit:mm(in.)

| Model | A | B | C | D | E | F | G | H | J | K | L | ①Gas pipe | ②Liquid pipe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PEFY-M15·18NMHU-A | 800 (31-1/2) | 754 (29-11/16) | 680 (26-13/16) | 600 (23-5/8) | 550 (21-11/16) | 50 (2) | 11 | 500 (19-11/16) | 10 | 450 (17-3/4) | 50 (2) | ø12.7 (1/2) | ø6.35 (1/4) |
| PEFY-M24NMHU-A | | | | | | | | | | | | | |
| PEFY-M27·30NMHU-A | 1085 (42-3/4) | 1039 (40-15/16) | 965 (38) | 885 (34-7/8) | 835 (32-7/8) | 42.5 (1-11/16) | 17 | 800 (31-1/2) | 15 | 700 (27-9/16) | 67 (2-11/16) | ø15.88 (5/8) | ø9.52 (3/8) |
| PEFY-M36·48·54NMHU-A | 1250 (49-1/4) | 1204 (47-7/16) | 1130 (44-1/2) | 1050 (41-3/8) | 1000 (39-3/8) | 25 (1) | 21 | 1000 (39-3/8) | 19 | 900 (35-7/16) | 50 (2) | | |

Unit: mm (in.)

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