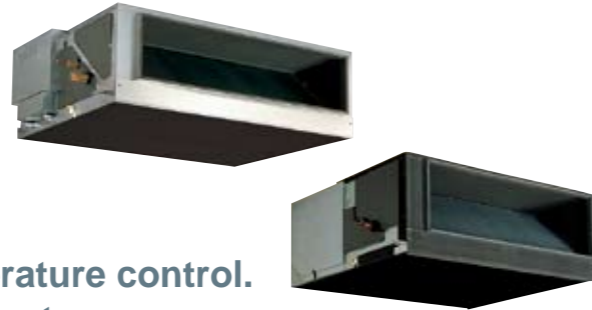


INDOOR UNIT Fresh Air Intake Type

PEFY-P VMH-E-F

Fresh Air Intake

Fresh Air can be taken in with temperature control.
Ideal for Offices, Stores and Restaurants.

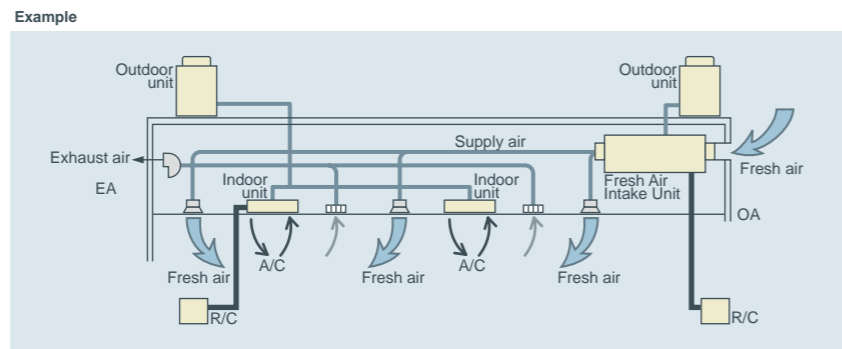


The Fresh Air intake indoor unit can be installed in any place.

The Fresh Air intake indoor unit can take fresh outdoor air into any building in any place at any time.

Office, Lobby, Workshop, Rest room, Nursing home, Smoking corner, Kitchen in restaurant

* Limits of capacity connectable to outdoor unit
Max. 110% of outdoor unit capacity, excepting heating at outdoor temperature of less than -5°C(23°F) (100%).



< Note >
Fan remains in operation during Thermo-OFF. Using this model with other type of indoor unit is recommended to prevent cold draft which is caused due to intaken fresh air.

Specifications

| | | PEFY-P80VMH-E-F | | PEFY-P140VMH-E-F | |
|-------------------------------------|--------------------------------------|--|-----------------|--|-----------------|
| Power source | | 1-phase 220-240V 50Hz / 1-phase 208-230V 60Hz | | | |
| Cooling capacity | *1 kW | 9.0 | | 16.0 | |
| | *1 BTU/h | 30,700 | | 54,600 | |
| Heating capacity | *1 kW | 8.5 | | 15.1 | |
| | *1 BTU/h | 29,000 | | 51,500 | |
| Power consumption | Cooling kW | 0.16 / 0.21 | | 0.29 / 0.33 | |
| | Heating kW | 0.16 / 0.21 | | 0.29 / 0.33 | |
| Current | Cooling A | 0.67 / 0.91 | | 1.24 / 1.48 | |
| | Heating A | 0.67 / 0.91 | | 1.24 / 1.48 | |
| External finish | | Galvanized | | | |
| Dimension H x W x D | | mm(in.) 380 x 1000 x 900 (15 x 39-3/8 x 35-7/16) | | 380 x 1200 x 900 (15 x 47-1/4 x 35-7/16) | |
| Net weight | | kg(lbs.) 50 (111) | | 70 (155) | |
| Heat exchanger | | Cross fin (Aluminum plate fin and copper tube) | | | |
| Fan | Type x Quantity | | Sirocco fan x 1 | | Sirocco fan x 2 |
| | Airflow rate | m³/min | 9.0 | | 18.0 |
| | | L/s | 150 | | 300 |
| | | cfm | 18 | | 636 |
| | External static pressure (Lo-Mid-Hi) | 208V Pa | 35 - 85 - 170 | | 35 - 85 - 170 |
| 220V Pa | | 40 - 115 - 190 | | 50 - 115 - 190 | |
| 230V Pa | | 50 - 130 - 210 | | 60 - 130 - 220 | |
| 240V Pa | | 80 - 170 - 220 | | 100 - 170 - 240 | |
| Motor | Type | 1-phase induction motor | | | |
| | Output kW | 0.09 (at 220V) | | 0.14 (at 220V) | |
| Air filter (option) | | Synthetic fiber unwoven cloth filter (long life) | | | |
| Refrigerant pipe diameter | Gas (Flare) mm(in.) | ø15.88 (ø5/8) | | | |
| | Liquid (Flare) mm(in.) | ø9.52 (ø3/8) | | | |
| Field drain pipe diameter | | mm(in.) O.D.32 (1-1/4) | | | |
| Sound pressure level (Lo-Mid-Hi) *2 | 208, 220V dB(A) | 27 - 38 - 43 | | 28 - 38 - 43 | |
| | 230, 240V dB(A) | 33 - 43 - 45 | | 34 - 43 - 45 | |

| | | PEFY-P200VMH-E-F | | PEFY-P250 VMH-E-F | |
|---------------------------|--------------------------|---|-----------------|-------------------|-----------|
| Power source | | 3N- 380-415V 50Hz / 3N- 380-415V 60Hz | | | |
| Cooling capacity | kW | 22.4 | | 28.0 | |
| | BTU/h | 76,400 | | 95,500 | |
| Heating capacity | kW | 21.2 | | 26.5 | |
| | BTU/h | 72,300 | | 90,400 | |
| Power consumption | Cooling kW | 0.34 / 0.42 | | 0.39 / 0.50 | |
| | Heating kW | 0.34 / 0.42 | | 0.39 / 0.50 | |
| Current | Cooling A | 0.58 / 0.74 | | 0.68 / 0.86 | |
| | Heating A | 0.58 / 0.74 | | 0.68 / 0.86 | |
| External finish | | Galvanized | | | |
| Dimension H x W x D | | mm(in.) 470 x 1250 x 1120 (18-9/16 x 49-1/4 x 44-1/8) | | | |
| Net weight | | kg(lbs.) 100 (221) | | | |
| Heat exchanger | | Cross fin (Aluminum plate fin and copper tube) | | | |
| Fan | Type x Quantity | | Sirocco fan x 2 | | 35 |
| | Airflow rate | m³/min | 28 | | 35 |
| | | L/s | 467 | | 583 |
| | | cfm | 989 | | 1236 |
| | External static pressure | 380V Pa | 140 / 200 | | 110 / 190 |
| 400V Pa | | 150 / 210 | | 120 / 200 | |
| 415V Pa | | 160 / 220 | | 130 / 210 | |
| Motor | | 3-phase induction motor | | | |
| Air filter (option) | Type | Synthetic fiber unwoven cloth filter (long life type) | | | |
| | Output kW | 0.20 | | 0.23 | |
| Refrigerant pipe diameter | Gas (Flare) mm(in.) | ø19.05 (ø3/4) | | ø22.2 (ø7/8) | |
| | Liquid (Flare) mm(in.) | ø9.52 (ø3/8) | | | |
| Field drain pipe diameter | | mm(in.) O.D.32 (1-1/4) | | | |
| Sound pressure level *2 | 380V dB(A) | 39 / 42 | | 40 / 44 | |
| | 400V dB(A) | 40 / 43 | | 40 / 45 | |
| | 415V dB(A) | 40 / 44 | | 41 / 46 | |

Notes:

- The cooling and heating capacities are the maximum capacities that were obtained by operating in the above air conditions and with a refrigerant pipe of about 7.5m.
- The actual capacity characteristics vary with the combination of indoor and outdoor units. See the technical information.
- The operating noise is the data that was obtained by measuring it 1.5m from the bottom of the unit in an anechoic room. (Noise meter A-scale value)
- The figure of Electrical characteristic indicates at 240V 50Hz/230V60Hz (PEFY-P80, 140VMH-E-F type), at 220Pa setting at 415V (PEFY-P200, 250VMH-E-F type).
- When the 100% fresh air indoor units are connected, the maximum connectable outdoor units to 1 outdoor unit are as follows

| Heat pump models | Cooling only |
|---|--------------|
| 110%(100% in case of heating below-5°C(23°F)) | 110% |

- Operational temp range is (Cooling : from 21°C(70°F)DB/15.5°C(60°F)WB to 43°C(109°F)DB/35°C(95°F)WB)
Heating : from -10°C(14°F)DB to 20°C(68°F)DB

- Thermo off(Fan) operation automatically starts either when temperature is lower than 21°C(70°F)DB in cooling mode or when the temperature exceeds 20°C(68°F)DB in heating mode.
- As the room temp in sensed by the thermo in the remote controller or the one in the room, be sure to use either remote controller or room thermo.
- Autochangeover function or Dry mode is NOT available. Fan mode operation during the thermo off in Cooling/Heating mode.
- In any case, the air flow rate should be kept lower than 110% of the above chart. Please see "Fan curves" for the details.
- When this unit is used as sole A/C system, be careful about the dew in air outlet grilles in cooling mode.
- 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, to take the necessary precautions for cold air, and also insulate rooms for dew condensation prevention as required.
- Air filter must be installed in the air intake side. The filter should be attached where easy maintenance is possible in case of usage of field supply filters.
- Long life cannot be used with Hi-efficiency filter together (PEFY-P80 - 140VMH-E-F type).