

INDOOR UNIT

Ceiling cassette type

1-way airflow

PMFY-P VBM-E



Compact and lightweight body perfect for limited ceiling space applications.



Compact size for smooth installation and maintenance

Unit body size has been standardized for all models at 812mm for easier installation. Body weight is only 14kg for the main unit and 3kg for the panel, making this unit one of the lightest in the industry.

Quiet operation

Newly developed airflow control technology reduces noise level to only 27dB (P20VBM) for industry-leading quiet performance.

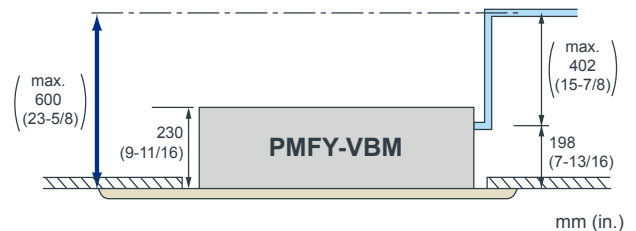
Sound pressure level table

| Sound pressure level | Capacity | | P20 | P25 | P32 | P40 |
|----------------------|-----------|--|-----|-----|-----|-----|
| | Fan Speed | | | | | |
| | High | | 35 | 37 | 39 | |
| | Mid 1 | | 33 | 36 | 37 | |
| | Mid 2 | | 30 | 34 | 35 | |
| | Low | | 27 | 32 | 33 | |

<220V,240V>

Drain pump

The drain can be positioned anywhere up to 600mm(23-5/8in.) from the ceiling's surface.



► Specifications

| | | | PMFY-P20VBM-E | PMFY-P25VBM-E | PMFY-P32VBM-E | PMFY-P40VBM-E |
|---|--------------------------------------|---------------------|--|-----------------|---------------|------------------|
| Power source | | | 1-phase 220-240V 50Hz / 1-phase 220V 60Hz | | | |
| Cooling capacity | *1 | kW | 2.2 | 2.8 | 3.6 | 4.5 |
| | *1 | BTU/h | 7,500 | 9,600 | 12,300 | 15,400 |
| Cooling capacity | *4 | kW | 2.2 | 2.8 | 3.7 | 4.6 |
| | *1 | BTU/h | 8,500 | 10,900 | 13,600 | 17,100 |
| Power consumption | Cooling | kW | 0.042 | 0.044 | | 0.054 |
| | Heating | kW | 0.042 | 0.044 | | 0.054 |
| Current | Cooling | A | 0.20 | 0.21 | | 0.26 |
| | Heating | A | 0.20 | 0.21 | | 0.26 |
| External finish (Munsell No.) | | | White (0.98Y 8.99/0.63) | | | |
| Dimension | Unit | mm(in.) | 230 x 812 x 395 (9-1/16 x 32 x 15-9/16) | | | |
| | Panel | mm(in.) | 30 x 1000 x 470 (1-3/16 x 39-3/8 x 18-9/16) | | | |
| Net weight | Unit | kg(lbs.) | 14 (31) | | | |
| | Panel | kg(lbs.) | 3 (7) | | | |
| Heat exchanger | | | Cross fin (Aluminum plate fin and copper tube) | | | |
| Fan | Type | | Line flow fan x 1 | | | |
| | Airflow rate *2 (Lo-Mid2-Mid1-Hi) | m ³ /min | 6.5-7.2-8.0-8.7 | 7.3-8.0-8.6-9.3 | | 7.7-8.7-9.7-10.7 |
| | | L/s | 108-120-133-145 | 122-133-143-155 | | 128-145-162-178 |
| | | cfm | 230-254-283-307 | 258-283-304-328 | | 272-307-343-378 |
| External static pressure | Pa | 0 | | | | |
| Motor | Type | | 1-phase induction motor | | | |
| | Output | kW | 0.028 | | | |
| Air filter | | | PP Honeycomb fabric | | | |
| Refrigerant | Gas(Flare) | mm(in.) | ø12.7 (ø1/2) | | | |
| pipe diameter | Liquid(Flare) | mm(in.) | ø6.35 (ø1/4) | | | |
| Field drain pipe diameter | | | O.D. 26 (1) | | | |
| Sound pressure level (Lo-Mid2-Mid1-Hi) *2 *3 | | dB(A) | 27-30-33-35 | 32-34-36-37 | | 33-35-37-39 |

Notes:

- *1 Cooling/Heating capacity indicates the maximum value at operation under the following condition.
Cooling : Indoor 27°C(81°F)DB/19°C(66°F)WB, Outdoor 35°C(95°F)DB
Heating : Indoor 20°C(68°F)DB, Outdoor 7°C(45°F)DB/6°C(43°F)WB
- *2 Airflow rate/Sound pressure level are in (low-middle2-middle1-high).
- *3 It is measured in anechoic room.
- *4 Reference data under condition of Indoor 27°C(81°F)DB/19.5°C(67°F)WB, Outdoor 35°C(95°F)DB

