



PMV115N



PMV205N



PMV250N



PMV320N

## Description

- Cabinet Filter Fan: PMV-N Series is a heat ventilation fan for cabinets. It has a filter to block dust from entering to inside the cabinet.
- Save time with Clips Lock system for quick installation and a Flap-Open design that allows easier filter replacement and maintenance.
- Designed with a smooth surface and aesthetically pleasing appearance, the PMV-N Series integrates seamlessly with the cabinet panel.
- Intake (A) and Discharge (P) features.
- Airflow volume up to 31-654 m<sup>3</sup>/h and available in several sizes to suit different cabinet requirements.
- IP54 Protection.

## Operation

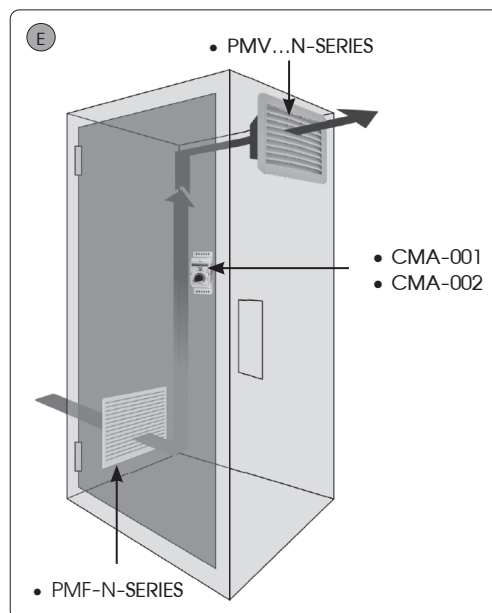
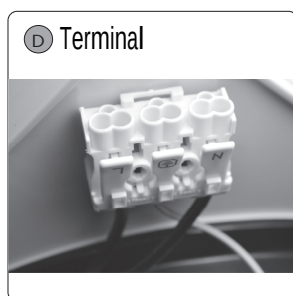
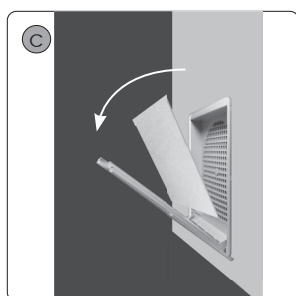
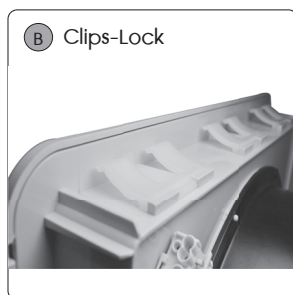
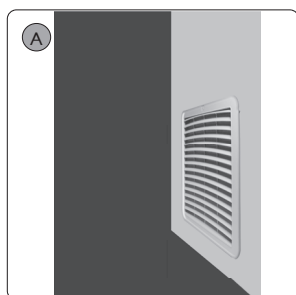
Cabinet Filter Fan is a cooling fan designed for electrical cabinets, control cabinets, and refrigerators. Both models manage air intake and exhaust while featuring a slim, aesthetically pleasing design. The fan installs flush with the cabinet surface for a smooth and integrated appearance (see Example A).

The PMV-N Series is designed for quick, secure, and reliable installation using a Clips-Lock system. Constructed from flexible plastic material unlike the rigid casing of the fan. It ensures proper adhesion and stability, preventing vibration during operation (see Example B).

Replacing the dust filter is simple with the Flap-Open design. The front cover can be easily pulled out to replace the filter and then pushed back into its original position (see Example C).

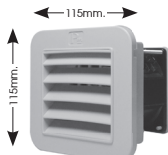
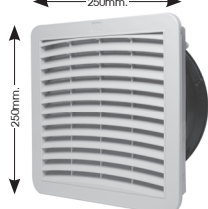
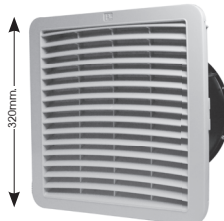
Equipped with spring terminals, the PMV-N Series allows fast and convenient wiring (see Example D).

Typically, heat transfer occurs as hot air rises from the bottom to the top of the cabinet. Therefore, the Cabinet Filter Fan should be installed at the top of the cabinet to discharge hot air. A front cover with a dust filter is installed at the bottom, allowing clean air from outside to flow into the cabinet (see Example E).

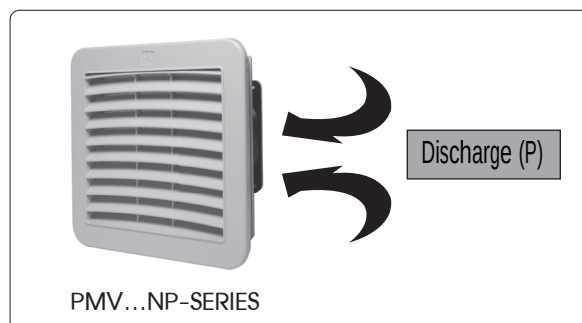
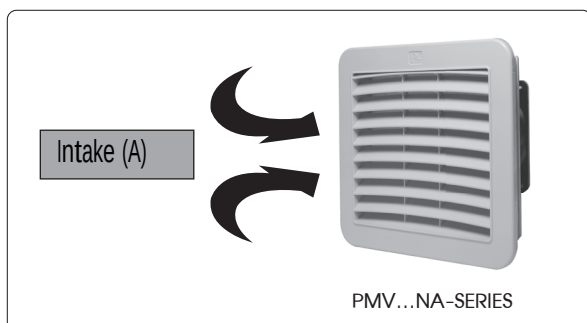


Accessories are also available, including the Analog Thermostat CMA-001 and the Digital Thermostat CMA-002. thermostats help extend fan service life by activating operation only when the temperature rises above the set threshold.

## Specification

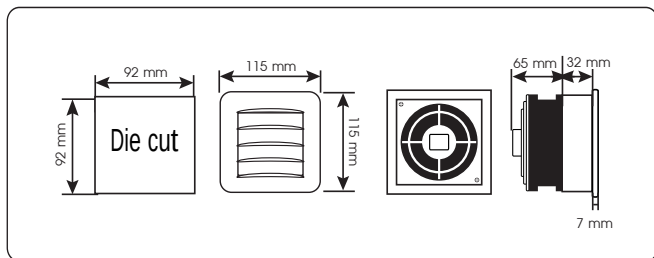
| Model                                                                                                                                                                           | Rated Operating Voltage<br>V, Hz (VAC/Hz) | Power Consumption<br>(W/A) | Operation<br>Temperature | Sound Level<br>(dB) | Air Flow<br>(CFM) | Air Flow<br>(m <sup>3</sup> /h) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------|--------------------------|---------------------|-------------------|---------------------------------|
| <b>•PMV115N( 3" inches)</b><br><br><small>110/220VAC use FP-108-A</small>                      | • 110VAC/50/60Hz                          | 13/0.14                    | -10 to 60 °C             | 30                  | 18                | 31                              |
|                                                                                                                                                                                 | • 220VAC/50/60Hz                          | 13/0.10                    | -10 to 60 °C             | 30                  | 18                | 31                              |
| <b>•PMV205N( 4" inches)</b><br><br><small>110VAC use FP-108/DC<br/>220VAC use FP-108-1</small> | • 110VAC/50/60Hz                          | 22/0.18                    | -10 to 60 °C             | 43                  | 84                | 142                             |
|                                                                                                                                                                                 | • 220VAC/50/60Hz                          | 21/0.11                    | -10 to 60 °C             | 43                  | 84                | 142                             |
|                                                                                                                                                                                 | • 24VDC                                   | 8.60/0.36                  | -10 to 60 °C             | 45                  | 74                | 126                             |
| <b>•PMV250N( 8" inches)</b><br><br><small>Use FP-108K</small>                                | • 220VAC/50/60Hz                          | 49/0.38                    | -10 to 60 °C             | 56                  | 252               | 428                             |
| <b>•PMV320N( 8" inches)</b><br><br><small>Use FP-108HH</small>                               | • 220VAC/50/60Hz                          | 87/0.4                     | -10 to 60 °C             | 80                  | 385               | 654                             |

## The wind's direction

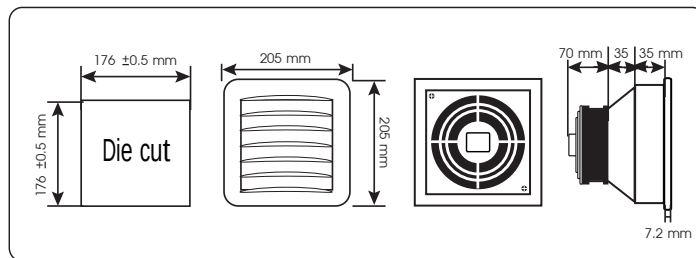


## Dimension

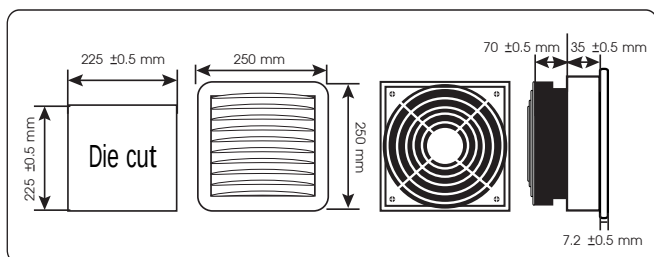
PMV115N



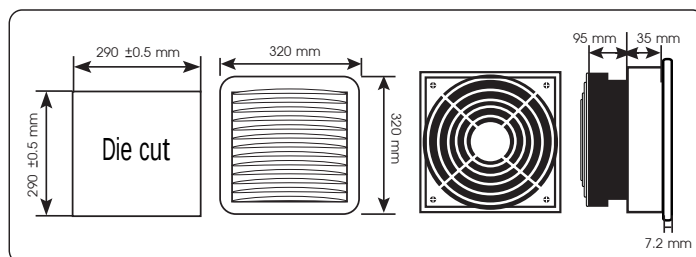
PMV205N



PMV250N



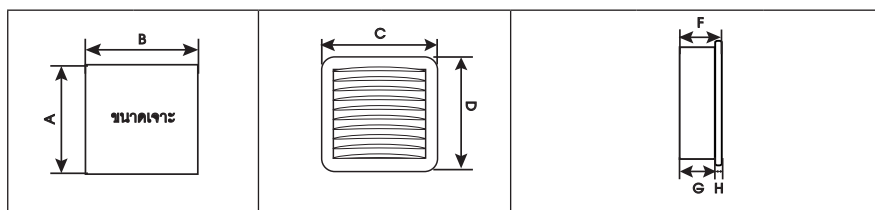
PMV320N



## Accessory

1.) PMF-Series is a front cover set with a dust filter that allows clean air to enter the cabinet. It is available in 4 different sizes for selection.

Unit : mm.



| รูปสินค้า                                                                                              | A               | B               | C   | D   | F    | G    | H | ใช้กับ  |
|--------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----|-----|------|------|---|---------|
| <b>●PMF115N</b><br> | 92              | 92              | 115 | 115 | 39   | 32   | 7 | PMV115N |
| <b>●PMF205N</b><br> | 176<br>±0.5 mm. | 176<br>±0.5 mm. | 205 | 205 | 44   | 37   | 7 | PMV205N |
| <b>●PMF250N</b><br> | 225<br>±0.5 mm. | 225<br>±0.5 mm. | 250 | 250 | 43.5 | 36.5 | 7 | PMV250N |
| <b>●PMF320N</b><br> | 290<br>±0.5 mm. | 290<br>±0.5 mm. | 320 | 320 | 42   | 35   | 7 | PMV320N |

## Accessory(continue)

- 2.) CMA-001/ CMA-001-E/ CMA-002-SERIES THERMOSTAT for fan operation to extend its lifespan. Available in three models: Analog CMA-001, Analog CMA-001-E (separate probe), and Digital CMA-002.

|                                                                                   |         |  |                                                                                   |           |  |                                                                                     |         |  |
|-----------------------------------------------------------------------------------|---------|--|-----------------------------------------------------------------------------------|-----------|--|-------------------------------------------------------------------------------------|---------|--|
|  | Model   |  |  | Model     |  |  | Model   |  |
|                                                                                   | CMA-001 |  |                                                                                   | CMA-001-E |  |                                                                                     | CMA-002 |  |

## Ordering Code

### • Fans

PMV

Size

N

Wind Direction

Power Supply Voltage

-

color

Size

Wind Direction

Power Supply Voltage

Color

115

115 x 115 mm.

A

Intake

110

110 VAC  
(For model PMV115N/PMV205N)

None

Grey+White (Standard), RAL 7035  
for PMV115N, PMV205N, PMV250N,  
PMV320N

205

205 x 205 mm.

P

Discharge

220

220 VAC (For all model)

C

Cream (RAL 7032) for PMV205N,  
PMV250N, PMV320N

250

250 x 250 mm.

024

24 VDC  
(For model PMV205N)

G

Grey for PMV250N Only

320

320 x 320 mm.

### • Filter

|      |                               |      |                                                                              |
|------|-------------------------------|------|------------------------------------------------------------------------------|
| PMF  |                               | Size | color                                                                        |
|      |                               |      |                                                                              |
|      |                               | Size | Color                                                                        |
| 115N | 115x115 mm. use with PMV 115N | None | Grey + White (Standard) , RAL 7035<br>for PMF115N, PMF205N, PMF250N, PMF320N |
| 205N | 205x205 mm. use with PMV 205N | C    | Cream (RAL 7032) for PMF205N, PMF250N, PMF320N                               |
| 250N | 250x250 mm. use with PMV 250N | G    | Grey for PMF250N Only                                                        |
| 320N | 320x320 mm. use with PMV 320N |      |                                                                              |