



# 60×60×15 mm

San Ace 60 9P type

## General Specifications

- Material ..... Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-1)
- Expected life ..... See the table below. (L10 life: 90% survival rate for continuous operation in free air at 60°C, rated voltage)
- Motor protection function ..... Locked rotor burnout protection, Reverse polarity protection  
For details, please refer to p. 547.
- Dielectric strength ..... 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance ..... 10 MΩ or more with a 500 VDC megger (between lead wire conductors and frame)
- Sound pressure level (SPL) ..... At 1 m away from the air inlet
- Storage temperature ..... -30 to +70°C (Non-condensing)
- Lead wire ..... ⊕Red ⊖Black or Blue (Sensor) Yellow
- Mass ..... 60 g

## Specifications

The models listed below **have ribs and pulse sensors.**

| Model no.           | Rated voltage [V] | Operating voltage range [V] | Rated current [A] | Rated input [W] | Rated speed [min <sup>-1</sup> ] | Max. airflow [m <sup>3</sup> /min] [CFM] | Max. static pressure [Pa] [inchH <sub>2</sub> O] | SPL [dB (A)] | Operating temperature [°C] | Expected life [h] |            |            |
|---------------------|-------------------|-----------------------------|-------------------|-----------------|----------------------------------|--|--|--------------|----------------------------|-------------------|------------|------------|
| <b>109P0605H701</b> | 5                 | 4.5 to 5.5                  | 0.26              | 1.3             | 4100                             | 0.4 14.1                                 | 38.2 0.153                                       | 32           | -20 to +70                 | 60000/60°C        |            |            |
| <b>109P0605M701</b> |                   |                             | 0.15              | 0.75            | 3100                             | 0.3 10.6                                 | 22.6 0.091                                       | 25           |                            |                   |            |            |
| <b>109P0612K701</b> | 12                | 10.2 to 13.8                | 0.26              | 3.12            | 6500                             | 0.62 21.9                                | 99.3 0.399                                       | 45           | -20 to +60                 | 40000/60°C        |            |            |
| <b>109P0612S701</b> |                   |                             | 0.15              | 1.8             | 5000                             | 0.48 17.0                                | 58.8 0.236                                       | 36           |                            |                   |            |            |
| <b>109P0612H701</b> |                   | 7 to 13.8                   | 0.09              | 1.08            | 4100                             | 0.4 14.1                                 | 38.2 0.153                                       | 32           |                            |                   | -20 to +70 | 60000/60°C |
| <b>109P0612M701</b> |                   |                             | 0.07              | 0.84            | 3100                             | 0.3 10.6                                 | 22.6 0.091                                       | 25           |                            |                   |            |            |
| <b>109P0612B701</b> |                   | 10.2 to 13.8                | 0.05              | 0.6             | 2200                             | 0.21 7.42                                | 11.7 0.047                                       | 21           |                            |                   | -20 to +70 | 60000/60°C |
| <b>109P0624J701</b> |                   |                             | 0.14              | 3.36            | 6200                             | 0.61 21.5                                | 86.5 0.347                                       | 44           |                            |                   |            |            |
| <b>109P0624S701</b> | 24                | 14 to 27.6                  | 0.08              | 1.92            | 5000                             | 0.48 16.9                                | 58.8 0.236                                       | 36           | -20 to +60                 | 40000/60°C        |            |            |
| <b>109P0624H701</b> |                   |                             | 0.06              | 1.44            | 4100                             | 0.4 14.1                                 | 38.2 0.153                                       | 32           |                            |                   |            |            |
| <b>109P0624M701</b> |                   | 20.4 to 27.6                | 0.04              | 0.96            | 3100                             | 0.3 10.6                                 | 22.6 0.091                                       | 25           |                            |                   | -20 to +70 | 60000/60°C |

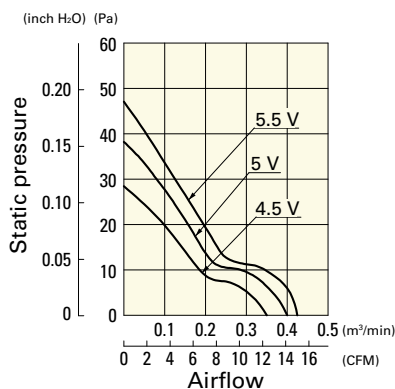
The following sensor and control options are available for selection.

Available for all models. **Without sensor** **Lock sensor**

## Airflow - Static Pressure Characteristics

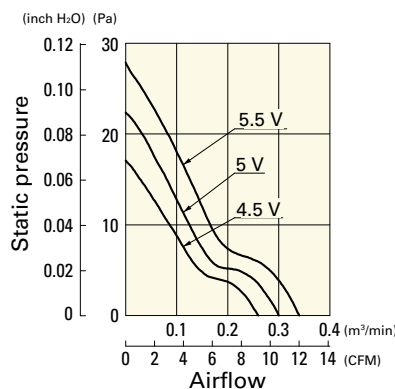
**109P0605H701** With pulse sensor

Operating voltage range



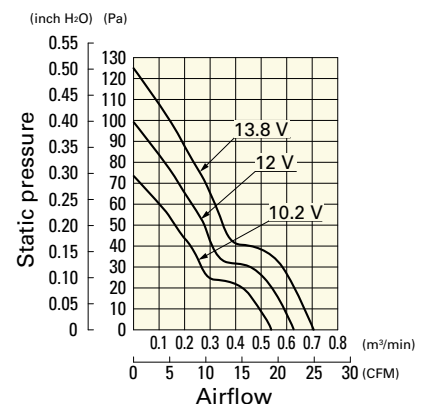
**109P0605M701** With pulse sensor

Operating voltage range



**109P0612K701** With pulse sensor

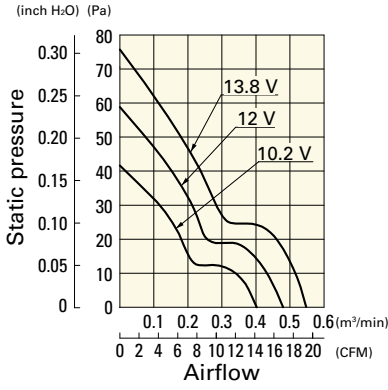
Operating voltage range



# Airflow - Static Pressure Characteristics

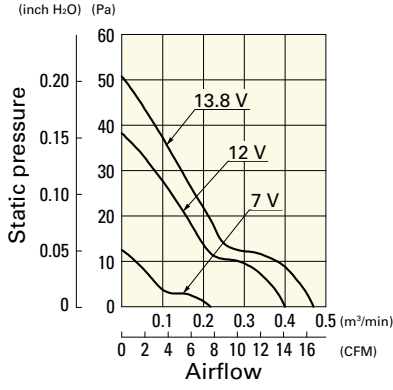
**109P0612S701** With pulse sensor

Operating voltage range



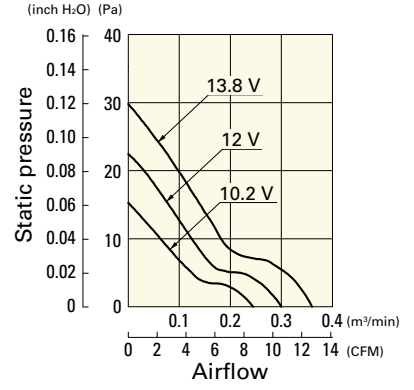
**109P0612H701** With pulse sensor

Operating voltage range



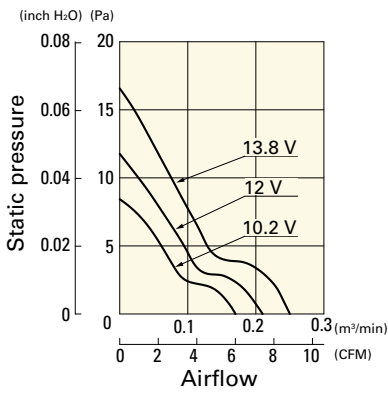
**109P0612M701** With pulse sensor

Operating voltage range



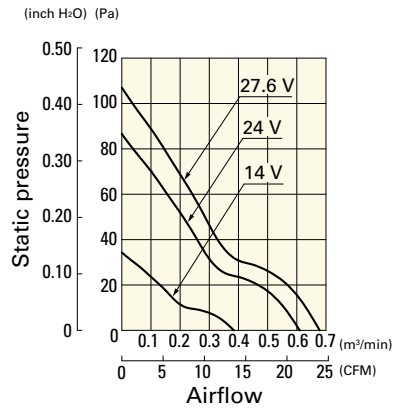
**109P0612B701** With pulse sensor

Operating voltage range



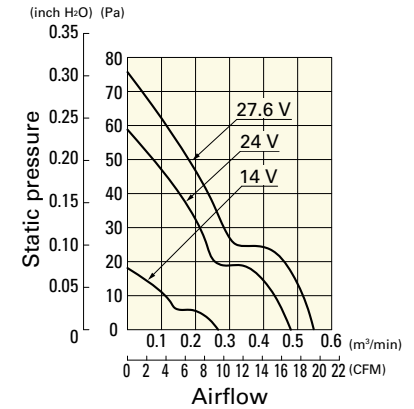
**109P0624J701** With pulse sensor

Operating voltage range



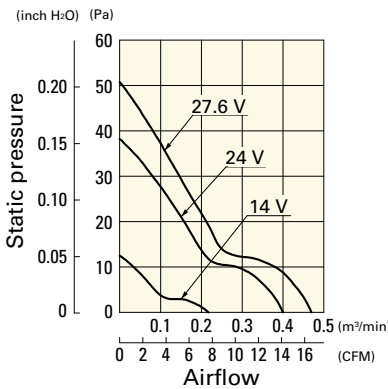
**109P0624S701** With pulse sensor

Operating voltage range



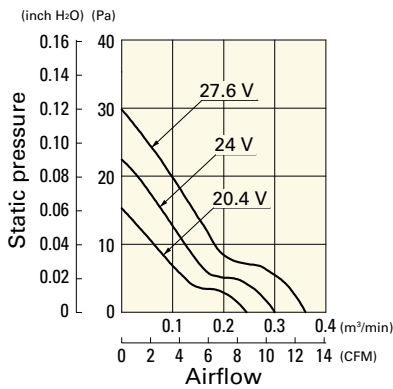
**109P0624H701** With pulse sensor

Operating voltage range

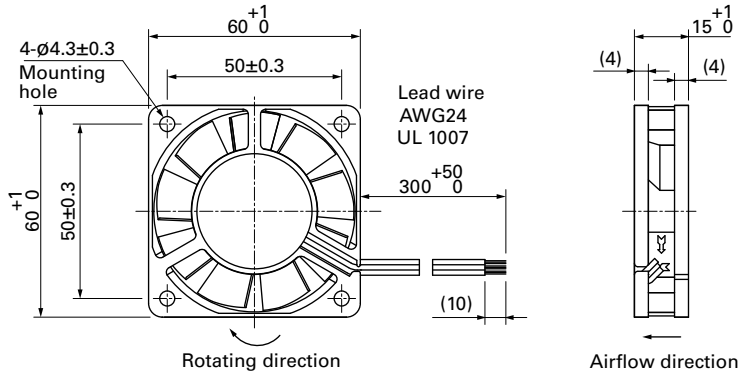


**109P0624M701** With pulse sensor

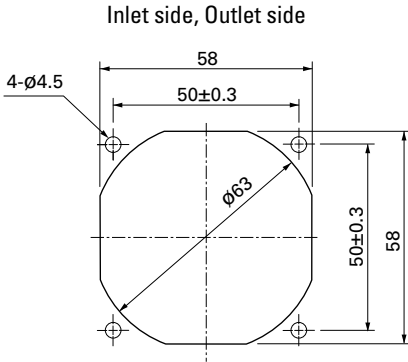
Operating voltage range



## ■ Dimensions (unit: mm)



## ■ Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)



## ■ Options

### Finger guards

page: p. 532

Model no.: 109-139E, 109-139H

### Resin finger guards

page: p. 539

Model no.: 109-1003G

### Resin filter kits

page: p. 540

Model no.: 109-1003F13 (13PPI), 109-1003F20 (20PPI),  
109-1003F30 (30PPI), 109-1003F40 (40PPI)