

# 40×40×15 mm

## San Ace 40 9P<sub>type</sub>



### 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)  
Expected life at 40°C is for reference only.
- Motor protection function ..... Locked rotor burnout protection, Reverse polarity protection  
For details, please refer to p. 573.
- 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 ..... 32 g

### Specifications

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

| Model no.      | Rated voltage<br>[V] | Operating voltage range<br>[V] | Rated current<br>[A] | Rated input<br>[W] | Rated speed<br>[min <sup>-1</sup> ] | Max. airflow<br>[m <sup>3</sup> /min] [CFM] | Max. static pressure<br>[Pa] [inchH <sub>2</sub> O] | SPL<br>[dB (A)] | Operating temperature<br>[°C] | Expected life<br>[h]                                     |
|----------------|----------------------|--------------------------------|----------------------|--------------------|-------------------------------------|---------------------------------------------|-----------------------------------------------------|-----------------|-------------------------------|----------------------------------------------------------|
| » 109P0405H701 | 5                    | 4.5 to 5.5                     | 0.28                 | 1.4                | 7700                                | 0.18 6.4                                    | 75.5 0.303                                          | 28              | -20 to +60                    | 60000/60°C<br>(90000/40°C)<br>40000/60°C<br>(70000/40°C) |
| » 109P0405M701 |                      |                                | 0.21                 | 1.05               | 6500                                | 0.15 5.3                                    | 52.9 0.213                                          | 24              |                               |                                                          |
| » 109P0412R701 | 12                   | 7 to 13.8                      | 0.13                 | 1.56               | 9700                                | 0.227 8.0                                   | 111.9 0.449                                         | 34              |                               |                                                          |
| » 109P0412S701 |                      | 10.2 to 13.8                   | 0.18                 | 2.16               | 8600                                | 0.2 7.06                                    | 92.1 0.369                                          | 32              |                               |                                                          |
| » 109P0412H701 |                      |                                | 0.13                 | 1.56               | 7700                                | 0.18 6.4                                    | 75.5 0.303                                          | 28              |                               |                                                          |
| » 109P0412M701 |                      |                                | 0.095                | 1.14               | 6500                                | 0.15 5.3                                    | 52.9 0.213                                          | 24              |                               |                                                          |
| » 109P0424H701 | 24                   | 20.4 to 27.6                   | 0.08                 | 1.92               | 7700                                | 0.18 6.4                                    | 75.5 0.303                                          | 28              |                               |                                                          |

The following sensor and control options are available for selection.

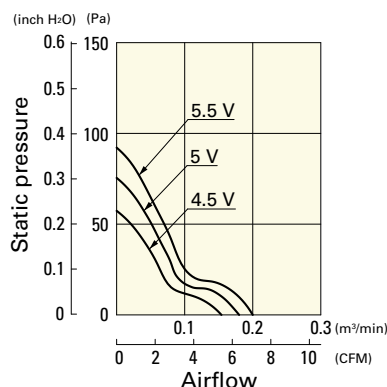
Available for all models. Without sensor Lock sensor

The » mark indicates Short LeadTime Service applicable models. See p. 626 for details.

### Airflow - Static Pressure Characteristics

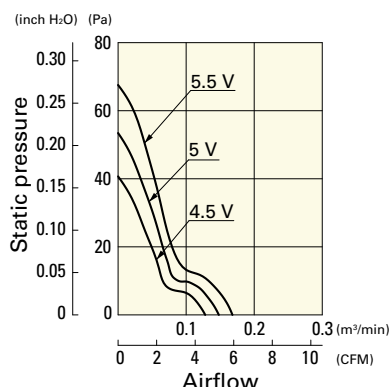
**109P0405H701** With pulse sensor

Operating voltage range



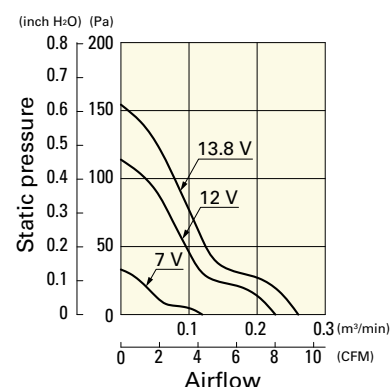
**109P0405M701** With pulse sensor

Operating voltage range



**109P0412R701** With pulse sensor

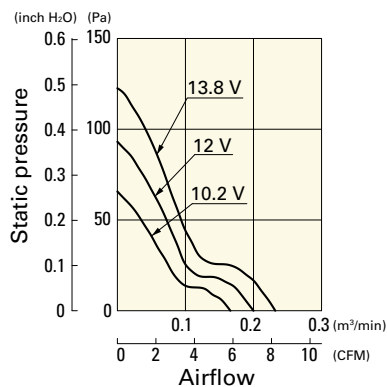
Operating voltage range



## Airflow - Static Pressure Characteristics

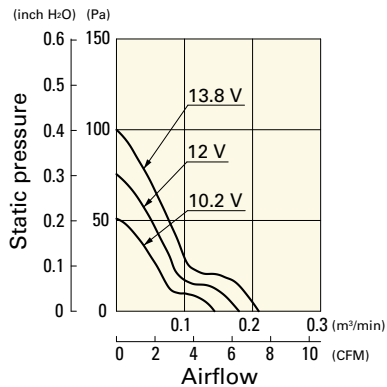
**109P0412S701** With pulse sensor

Operating voltage range



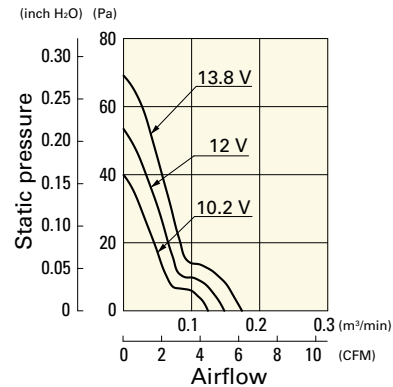
**109P0412H701** With pulse sensor

Operating voltage range



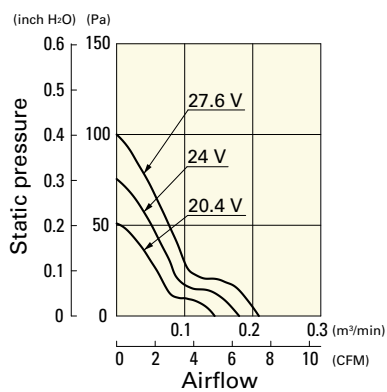
**109P0412M701** With pulse sensor

Operating voltage range

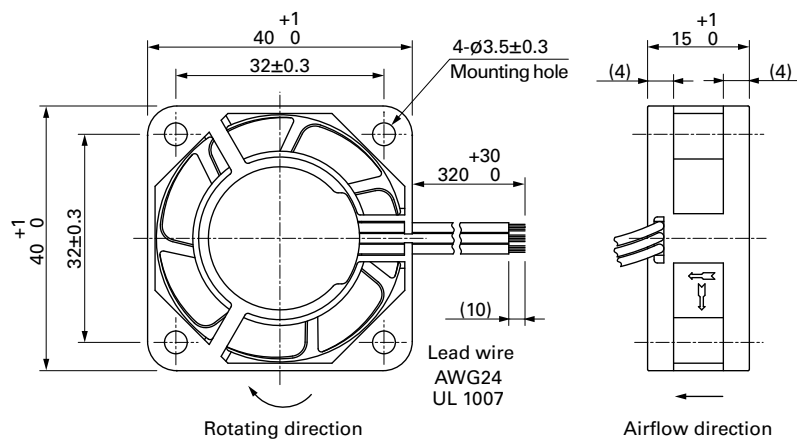


**109P0424H701** With pulse sensor

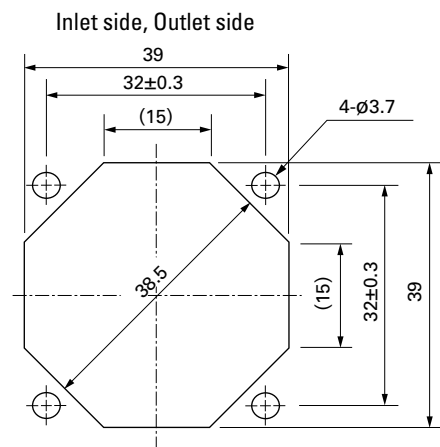
Operating voltage range



## Dimensions (unit: mm)



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



## Options

Finger guards

page: p. 558

Model no.: 109-059, 109-059H