

# 40×40×10 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. 580.
- Dielectric strength ..... 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance ..... 10 MΩ min. at 500 VDC (between lead wire conductors and frame)
- Sound pressure level (SPL) ..... A-weighted 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 ..... 19 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]          |
|-----------------|-------------------|-----------------------------|-------------------|-----------------|----------------------------------|------------------------------------------|--------------------------------------------------|--------------|----------------------------|----------------------------|
| ▶▶ 109P0405H901 | 5                 | 4.5 to 5.5                  | 0.16              | 0.8             | 6200                             | 0.15 5.3                                 | 41.2 0.165                                       | 25           | -10 to +60                 | 40000/60°C<br>(70000/40°C) |
| ▶▶ 109P0405M901 |                   |                             | 0.11              | 0.55            | 5000                             | 0.12 4.2                                 | 27 0.108                                         | 21           |                            |                            |
| ▶▶ 109P0412H901 | 12                | 7 to 13.8                   | 0.07              | 0.84            | 6200                             | 0.15 5.3                                 | 41.2 0.165                                       | 25           |                            |                            |
| ▶▶ 109P0412M901 |                   |                             | 0.06              | 0.72            | 5000                             | 0.12 4.2                                 | 27 0.108                                         | 21           |                            |                            |
| 109P0424H901    | 24                | 20.4 to 27.6                | 0.04              | 0.96            | 6200                             | 0.15 5.3                                 | 41.2 0.165                                       | 25           |                            |                            |

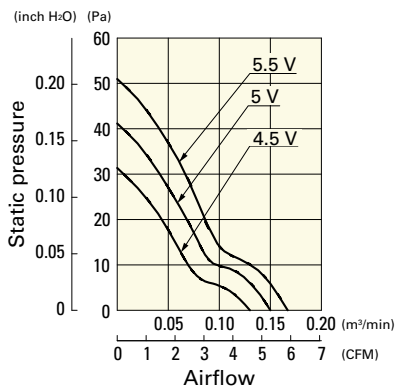
Note 1: Sensor and control options are available for selection. Refer to the table on p. 603.

Note 2: The ▶▶ mark indicates Short LeadTime Service applicable models. See p. 630 for details.

### Airflow - Static Pressure Characteristics

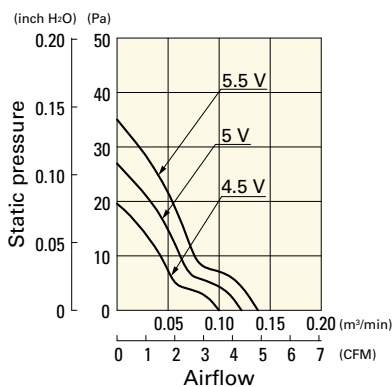
**109P0405H901** With pulse sensor

Operating voltage range



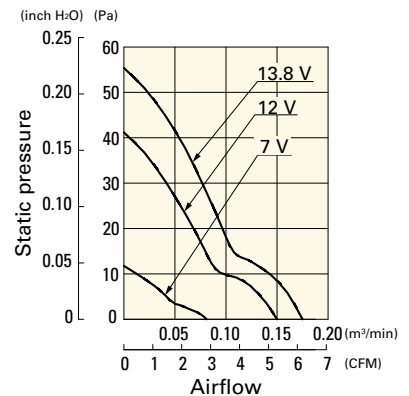
**109P0405M901** With pulse sensor

Operating voltage range



**109P0412H901** With pulse sensor

Operating voltage range

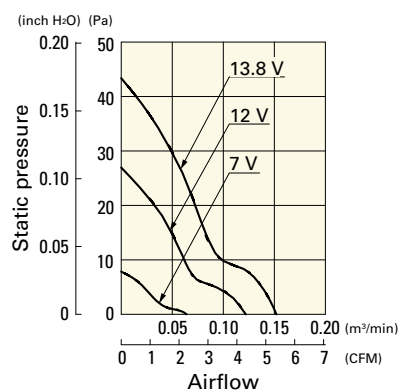


## Airflow - Static Pressure Characteristics

**109P0412M901** With pulse sensor

With pulse sensor

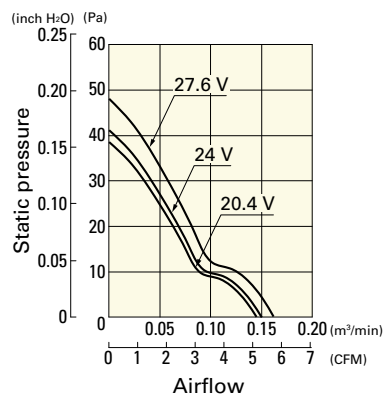
### Operating voltage range



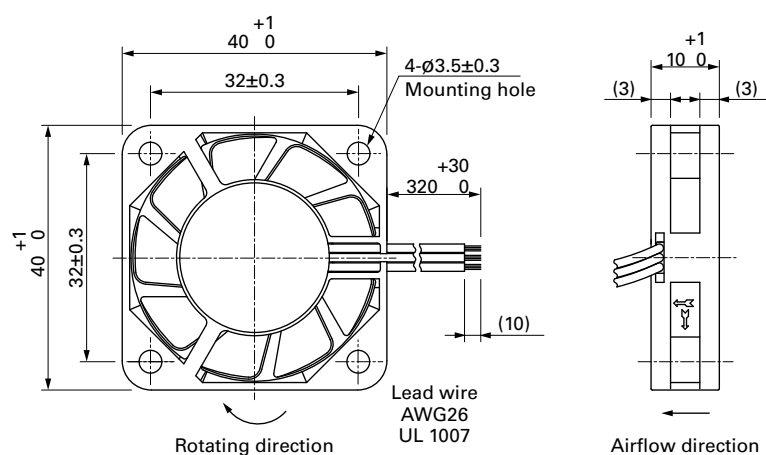
**109P0424H901** With pulse sensor

With pulse sensor

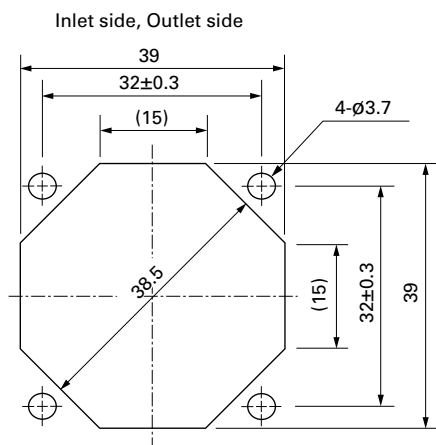
### Operating voltage range



### Dimensions (unit: mm)



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



## Options

## Finger guards

page: p. 564

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