

# 60×60×10 mm

**San Ace 60 9GA type** Low Power Consumption Fan 



## General Specifications

- Material ..... Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-0)
- 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 (Sensor) Yellow
- Mass ..... 35 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>9GA0612G9001</b> | 12                | 7.0 to 13.2                 | 0.27              | 3.24            | 6200                             | 0.62 21.9                                | 66 0.26                                          | 43           | -20 to +60                 | 40000/60°C<br>(70000/40°C) |
| <b>9GA0612H9001</b> |                   | 7.0 to 13.8                 | 0.14              | 1.68            | 5000                             | 0.5 17.6                                 | 42.9 0.17                                        | 37           | -20 to +70                 |                            |
| <b>9GA0612L9001</b> |                   |                             | 0.03              | 0.36            | 2300                             | 0.23 8.1                                 | 9.1 0.037                                        | 17           | -10 to +70                 |                            |

The following sensor and control options are available for selection.

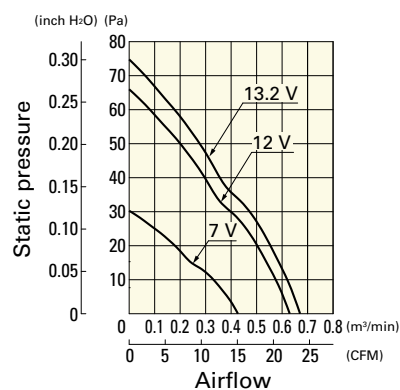
Available for all models. **Without sensor** **Lock sensor**

Differs according to the model. Refer to the table on p. 570. **PWM control**

## Airflow - Static Pressure Characteristics

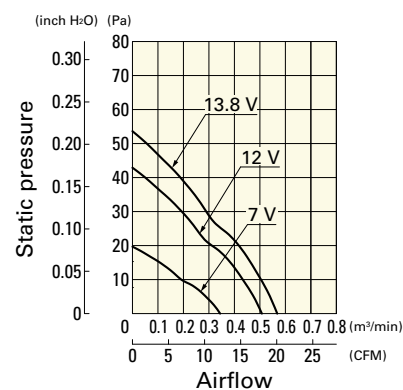
**9GA0612G9001** With pulse sensor

Operating voltage range



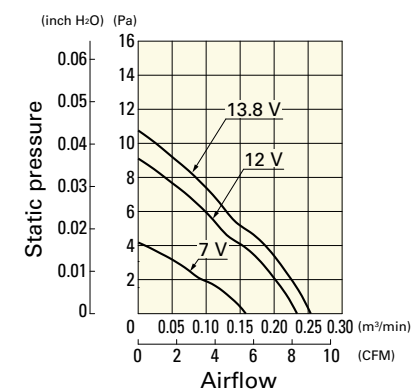
**9GA0612H9001** With pulse sensor

Operating voltage range

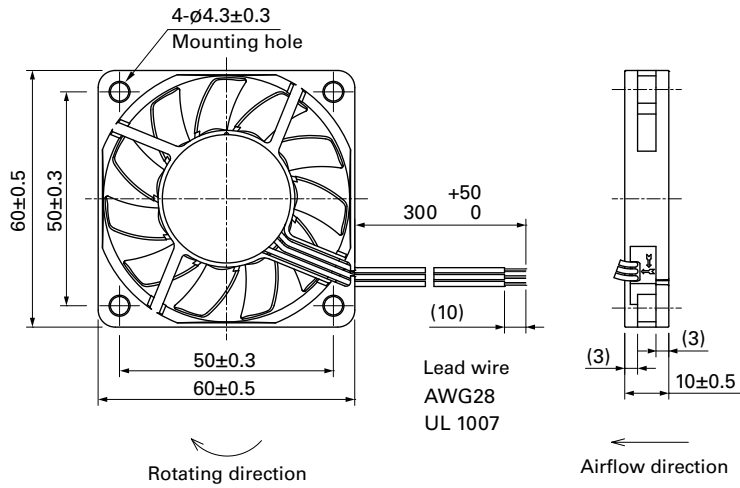


**9GA0612L9001** With pulse sensor

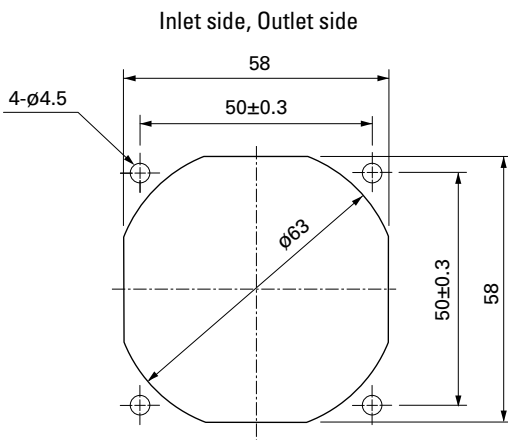
Operating voltage range



## ■ 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)