

# 80×80×38 mm

## San Ace 80 9G type



### 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 ..... 170 g

### Specifications

The models listed below **have ribs and pulse sensors**. For models without ribs, append "1" to the end of model numbers.

| 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>[m³/min] [CFM] |       | Max. static pressure<br>[Pa] [inchH <sub>2</sub> O] |       | SPL<br>[dB (A)] | Operating temperature<br>[°C] | Expected life<br>[h] |
|------------|----------------------|--------------------------------|----------------------|--------------------|-------------------------------------|--------------------------------|-------|-----------------------------------------------------|-------|-----------------|-------------------------------|----------------------|
| 9G0812K101 | 12                   | 10.8 to 13.2                   | 1.8                  | 21.6               | 7800                                | 3.1                            | 107.3 | 310                                                 | 1.285 | 58              | -20 to +60                    | 40000/60°C           |
| 9G0812G101 |                      | 7 to 13.8                      | 1.1                  | 13.2               | 6300                                | 2.55                           | 90    | 211                                                 | 0.847 | 51              |                               |                      |
| 9G0812H101 |                      |                                | 0.9                  | 10.8               | 5700                                | 2.28                           | 80    | 171                                                 | 0.687 | 49              |                               |                      |
| 9G0824G101 | 24                   | 20.4 to 27.6                   | 0.56                 | 13.4               | 6300                                | 2.55                           | 90    | 211                                                 | 0.847 | 51              | -20 to +70                    |                      |
| 9G0824H101 |                      |                                | 0.42                 | 10.1               | 5700                                | 2.28                           | 80    | 171                                                 | 0.687 | 49              |                               |                      |
| 9G0848G101 | 48                   | 40.8 to 55.2                   | 0.27                 | 13.0               | 6300                                | 2.55                           | 90    | 211                                                 | 0.847 | 51              |                               |                      |
| 9G0848H101 |                      |                                | 0.2                  | 9.6                | 5700                                | 2.28                           | 80    | 171                                                 | 0.687 | 49              |                               |                      |

The following sensor and control options are available for selection.

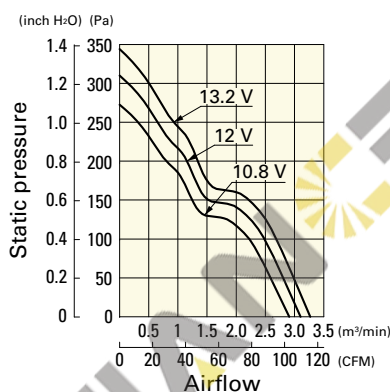
Available for all models. **Without sensor**

Differs according to the model. Refer to the table on p. 568. **Lock sensor** **PWM control**

### Airflow - Static Pressure Characteristics

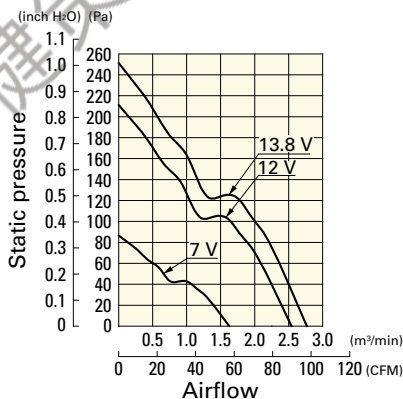
#### 9G0812K101 With pulse sensor

Operating voltage range



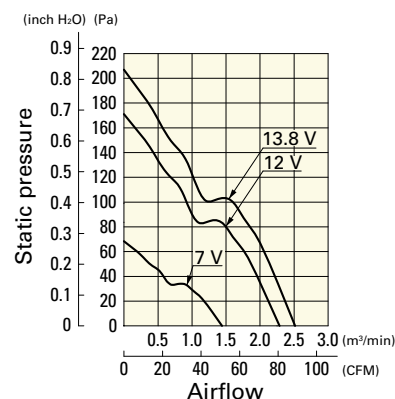
#### 9G0812G101 With pulse sensor

Operating voltage range



#### 9G0812H101 With pulse sensor

Operating voltage range



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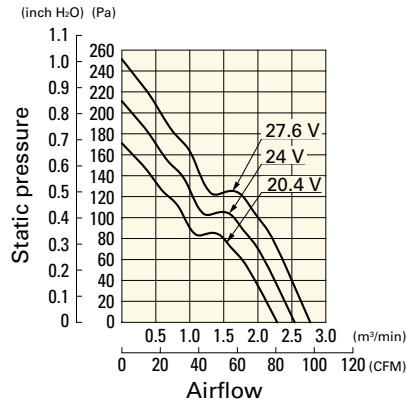
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## Airflow - Static Pressure Characteristics

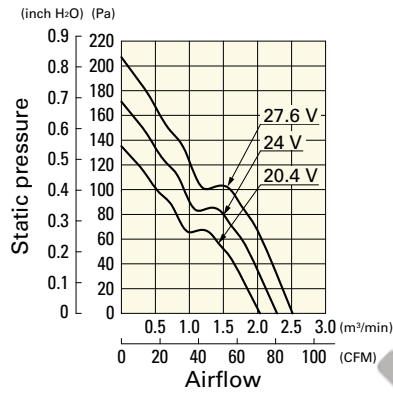
**9G0824G101** With pulse sensor

Operating voltage range



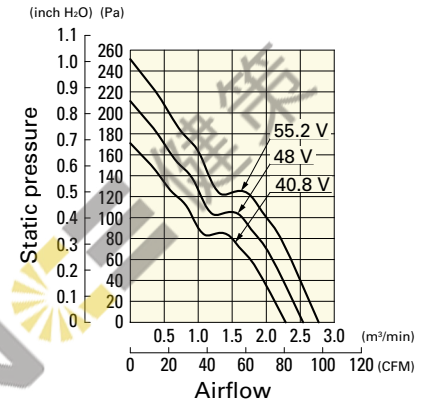
**9G0824H101** With pulse sensor

Operating voltage range



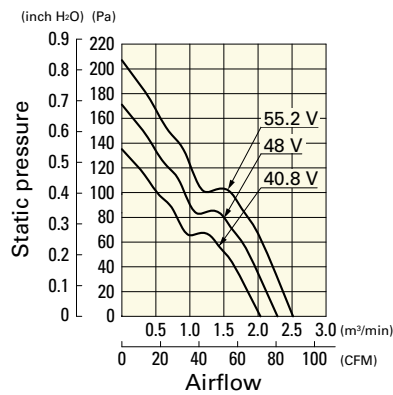
**9G0848G101** With pulse sensor

Operating voltage range

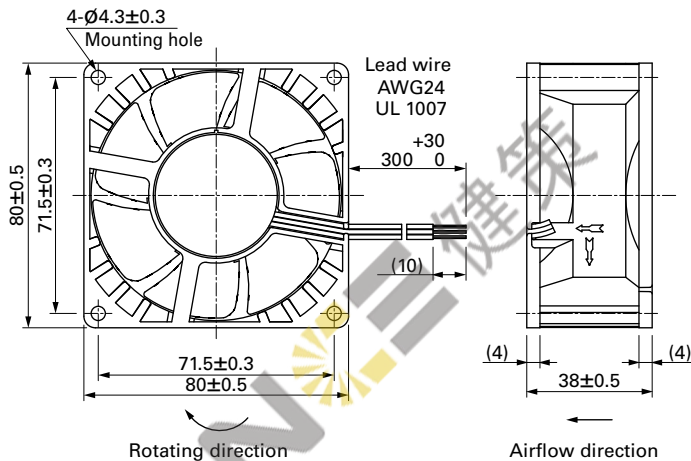


**9G0848H101** With pulse sensor

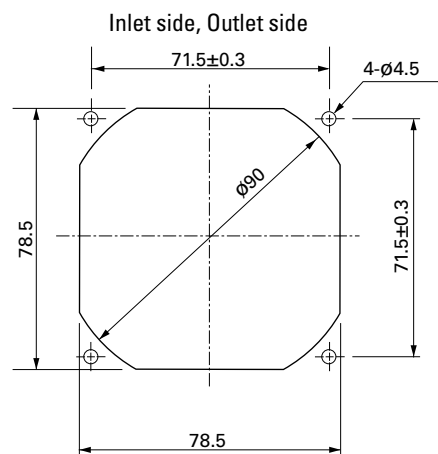
Operating voltage range



## Dimensions (unit: mm) (With ribs)



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



## Options

### Finger guards

page: p. 532

Model no.: 109-049E, 109-049H, 109-049C

### Resin finger guards

page: p. 539

Model no.: 109-1002G

### Resin filter kits

page: p. 540

Model no.: 109-1002F13 (13PPI), 109-1002F20 (20PPI),  
109-1002F30 (30PPI), 109-1002F40 (40PPI)

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[9G0848G1D011](#)