



# 120×120×25 mm

**San Ace 120 9G type**    Model 9G1212B401 is not certified.

## 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 ..... 240 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 [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] |
|------------|-------------------|-----------------------------|-------------------|-----------------|----------------------------------|------------------------------------------|--------------------------------------------------|--------------|----------------------------|-------------------|
| 9G1212G401 | 12                | 10.2 to 13.8                | 0.9               | 10.8            | 4100                             | 3.68 130                                 | 120 0.482                                        | 51           | -20 to +70                 | 40000/60°C        |
| 9G1212E401 |                   |                             | 0.58              | 6.96            | 3650                             | 3.25 115                                 | 98 0.394                                         | 48           |                            |                   |
| 9G1212A401 |                   |                             | 0.4               | 4.8             | 3150                             | 2.83 100                                 | 77 0.309                                         | 44           |                            |                   |
| 9G1212H401 |                   | 6 to 13.8                   | 0.31              | 3.72            | 2850                             | 2.5 88                                   | 64 0.257                                         | 40           |                            |                   |
| 9G1212F401 |                   | 7 to 13.8                   | 0.19              | 2.28            | 2250                             | 1.98 70                                  | 42 0.169                                         | 35           |                            |                   |
| 9G1212M401 |                   |                             | 0.14              | 1.68            | 1950                             | 1.66 59                                  | 31 0.124                                         | 29           |                            |                   |
| 9G1212B401 |                   | 10.2 to 13.8                | 0.06              | 0.72            | 1000                             | 0.88 31                                  | 9.6 0.039                                        | 18           |                            |                   |
| 9G1224G401 | 24                | 20.4 to 27.6                | 0.47              | 11.28           | 4100                             | 3.68 130                                 | 120 0.482                                        | 51           |                            |                   |
| 9G1224E401 |                   |                             | 0.37              | 8.88            | 3650                             | 3.25 115                                 | 98 0.394                                         | 48           |                            |                   |
| 9G1224A401 |                   |                             | 0.21              | 5.04            | 3150                             | 2.83 100                                 | 77 0.309                                         | 44           |                            |                   |
| 9G1224H401 |                   | 12 to 27.6                  | 0.17              | 4.08            | 2850                             | 2.5 88                                   | 64 0.257                                         | 40           |                            |                   |
| 9G1224F401 |                   | 20.4 to 27.6                | 0.1               | 2.4             | 2250                             | 1.98 70                                  | 42 0.169                                         | 35           |                            |                   |
| 9G1224M401 |                   |                             | 0.08              | 1.92            | 1950                             | 1.66 59                                  | 31 0.124                                         | 29           |                            |                   |
| 9G1248G401 | 48                | 40.8 to 55.2                | 0.23              | 11.04           | 4100                             | 3.68 130                                 | 120 0.482                                        | 51           |                            |                   |
| 9G1248E401 |                   |                             | 0.16              | 7.68            | 3650                             | 3.25 115                                 | 98 0.394                                         | 48           |                            |                   |
| 9G1248A401 |                   |                             | 0.13              | 6.24            | 3150                             | 2.83 100                                 | 77 0.309                                         | 44           |                            |                   |
| 9G1248H401 |                   |                             | 0.1               | 4.8             | 2850                             | 2.5 88                                   | 64 0.257                                         | 40           |                            |                   |
| 9G1248F401 |                   |                             | 0.06              | 2.88            | 2250                             | 1.98 70                                  | 42 0.169                                         | 35           |                            |                   |
| 9G1248M401 |                   |                             | 0.05              | 2.4             | 1950                             | 1.66 59                                  | 31 0.124                                         | 29           |                            |                   |

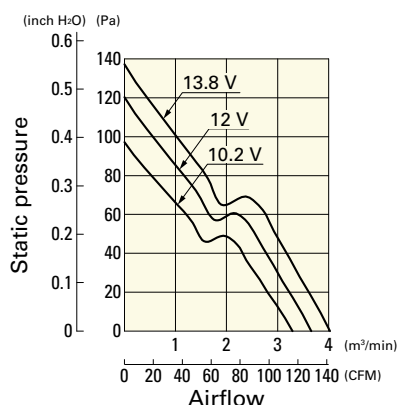
The following sensor and control options are available for selection.

Differs according to the model. Refer to the table on pp. 568 to 570. **Without sensor** **Lock sensor** **PWM control**

## Airflow - Static Pressure Characteristics

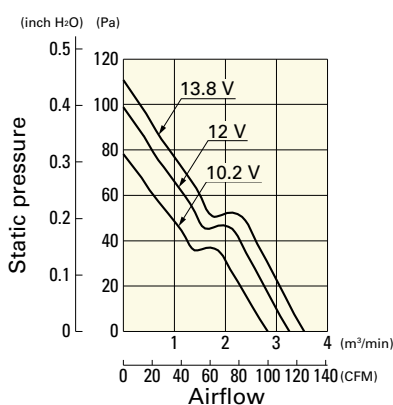
**9G1212G401** With pulse sensor

Operating voltage range



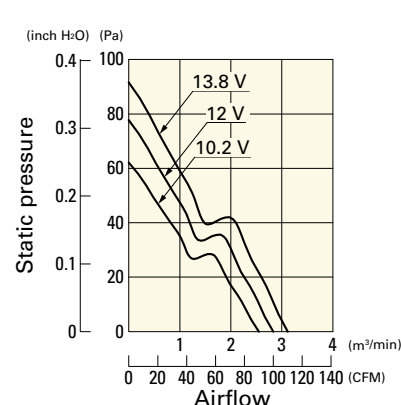
**9G1212E401** With pulse sensor

Operating voltage range



**9G1212A401** With pulse sensor

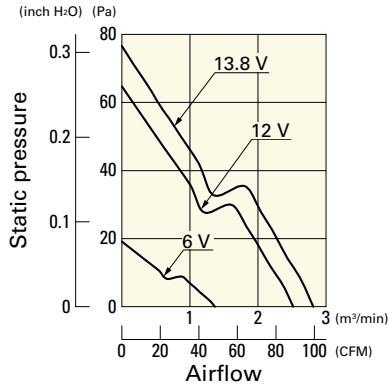
Operating voltage range



## Airflow - Static Pressure Characteristics

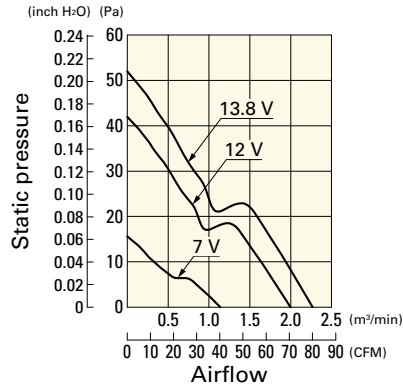
### 9G1212H401 With pulse sensor

Operating voltage range



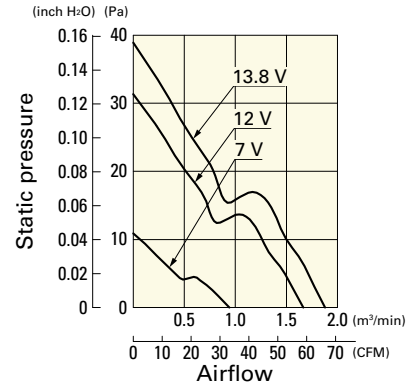
### 9G1212F401 With pulse sensor

Operating voltage range



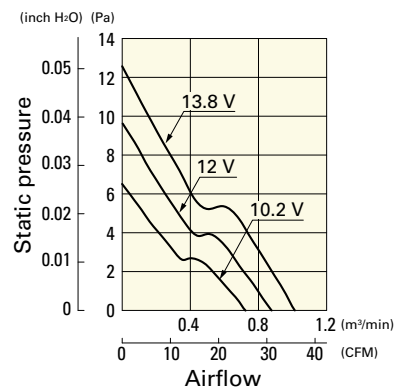
### 9G1212M401 With pulse sensor

Operating voltage range



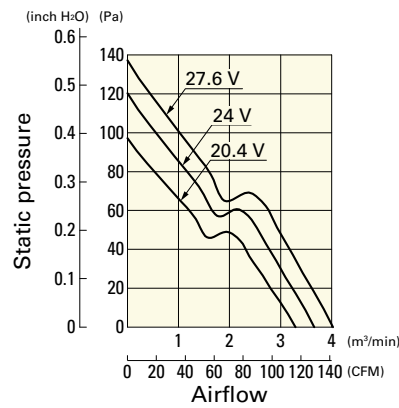
### 9G1212B401 With pulse sensor

Operating voltage range



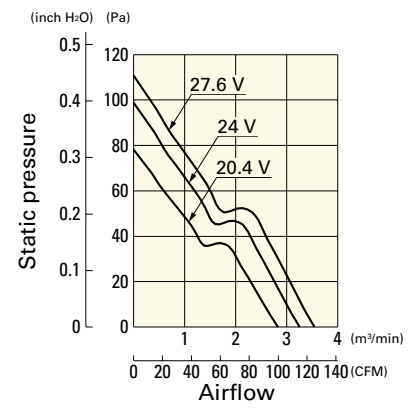
### 9G1224G401 With pulse sensor

Operating voltage range



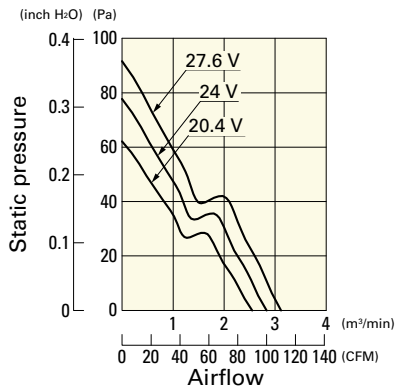
### 9G1224E401 With pulse sensor

Operating voltage range



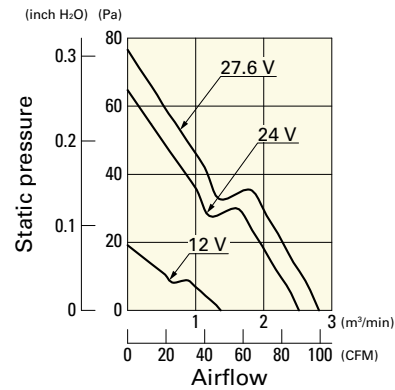
### 9G1224A401 With pulse sensor

Operating voltage range



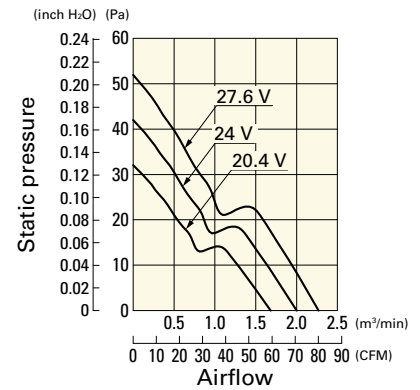
### 9G1224H401 With pulse sensor

Operating voltage range



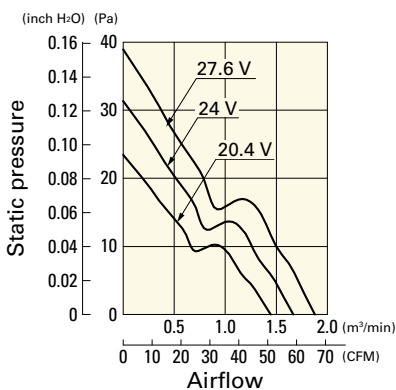
### 9G1224F401 With pulse sensor

Operating voltage range



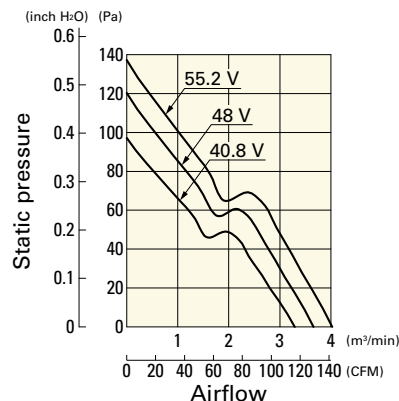
### 9G1224M401 With pulse sensor

Operating voltage range



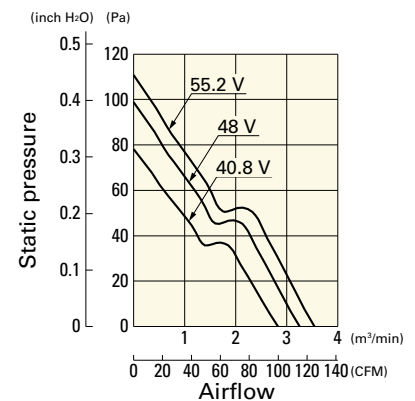
### 9G1248G401 With pulse sensor

Operating voltage range



### 9G1248E401 With pulse sensor

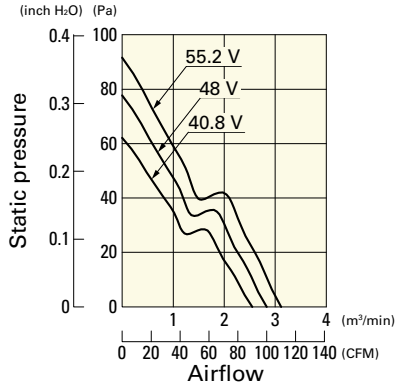
Operating voltage range



## Airflow - Static Pressure Characteristics

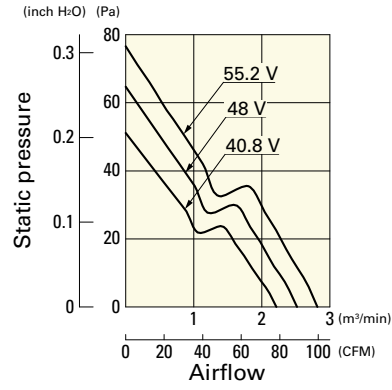
**9G1248A401** With pulse sensor

Operating voltage range



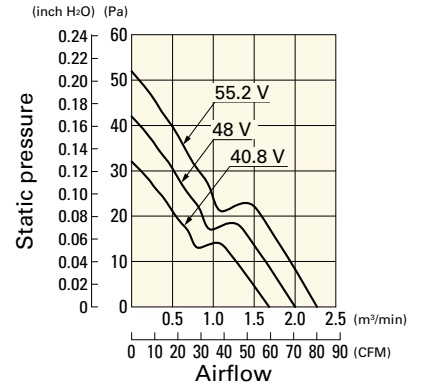
**9G1248H401** With pulse sensor

Operating voltage range



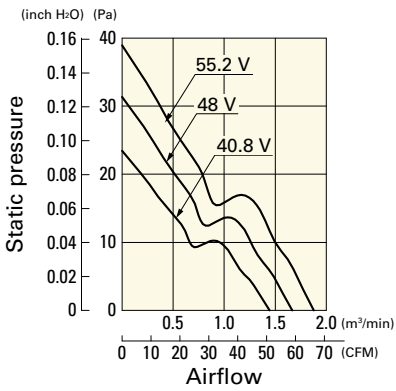
**9G1248F401** With pulse sensor

Operating voltage range

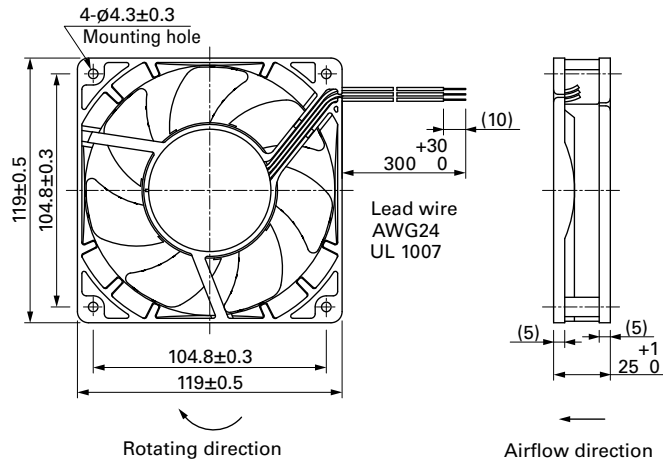


**9G1248M401** With pulse sensor

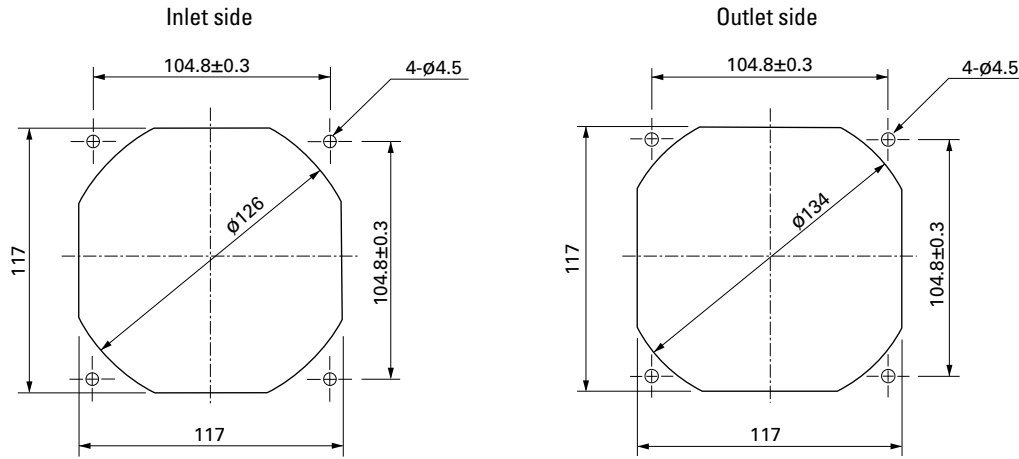
Operating voltage range



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



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



## ■ Options

### Finger guards

page: p. 533

Model no.: 109-019E, 109-019K, 109-019C, 109-019H

### Resin finger guards

page: p. 539

Model no.: 109-1000G

### Resin filter kits

page: p. 540

Model no.: 109-1000F13 (13PPI), 109-1000F20 (20PPI),  
109-1000F30 (30PPI), 109-1000F40 (40PPI)