

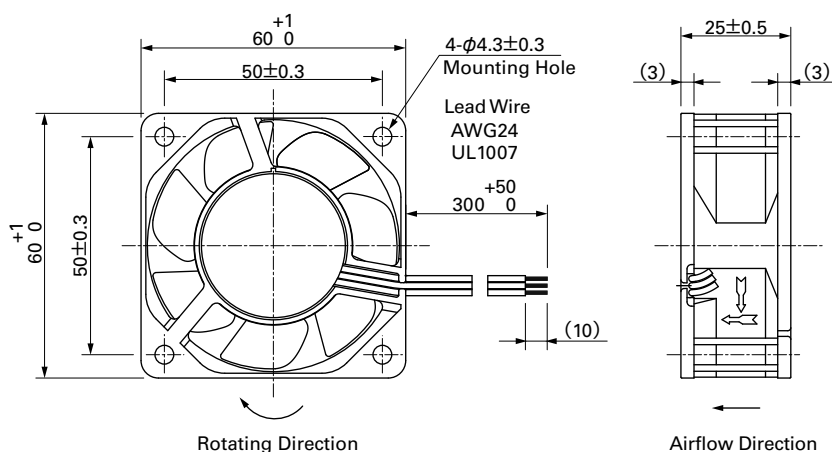
**60**mm sq.**San Ace 60****General Specifications**

- Material.....Frame: Plastics (Flammability: UL94V-0),  
Impeller: Plastics (Flammability: UL94V-1)
- Expected Life .....Refer to specifications (L10:Survival rate:90% at 60°C ,  
rated voltage, and continuously run in a free air state)
- Lead Wire .....⊕red ⊖black or blue (Sensor) yellow
- Storage Temperature ...-30°C to +70°C (Non-condensing)

**60×60×25mm** [Mass : 90g] **9R type****Specifications** The following nos. **have pulse sensors and ribs.** For ribless, append "1" to the model no.

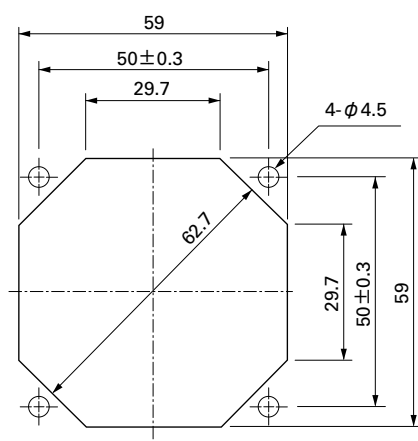
| Model No.    | Rated Voltage<br>[V] | Operating Voltage Range<br>[V] | Rated Current<br>[A] | Rated Input<br>[W] | Rated Speed<br>[min <sup>-1</sup> ] | Max. Airflow<br>[m³/min]<br>[CFM] | Max. Static Pressure<br>[Pa]<br>[inchH <sub>2</sub> O] | SPL<br>[dB(A)] | Operating Temperature<br>[°C] | Expected Life<br>[h] |            |             |             |
|--------------|----------------------|--------------------------------|----------------------|--------------------|-------------------------------------|-----------------------------------|--------------------------------------------------------|----------------|-------------------------------|----------------------|------------|-------------|-------------|
| 109R0605H401 | 5                    | 4.5 to 5.5                     | 0.34                 | 1.70               | 3,800                               | 0.53                              | 18.7                                                   | 40.2           | 0.161                         | 28                   | -20 to +70 | 60,000/60°C |             |
| 109R0605F401 |                      |                                | 0.20                 | 1.00               | 3,200                               | 0.44                              | 15.5                                                   | 29.4           | 0.118                         | 24                   | -20 to +60 |             |             |
| 109R0605M401 |                      |                                | 0.13                 | 0.65               | 2,600                               | 0.36                              | 12.7                                                   | 19.6           | 0.079                         | 20                   | -20 to +70 |             |             |
| 109R0612J401 | 12                   | 10.8 to 13.2                   | 0.47                 | 5.64               | 7,600                               | 1.06                              | 37.1                                                   | 155.0          | 0.622                         | 44                   | -20 to +60 | 40,000/60°C |             |
| 109R0612G401 |                      |                                | 0.24                 | 2.88               | 5,600                               | 0.78                              | 27.5                                                   | 87.3           | 0.351                         | 39                   | -20 to +70 |             | 60,000/60°C |
| 109R0612D401 |                      | 10.2 to 13.8                   | 0.21                 | 2.52               | 5,150                               | 0.72                              | 25.4                                                   | 73.5           | 0.295                         | 37                   |            |             |             |
| 109R0612S401 |                      |                                | 6 to 13.8            | 0.17               | 2.04                                | 4,600                             | 0.65                                                   | 23.0           | 56.8                          | 0.228                |            | 33          |             |
| 109R0612H401 |                      | 0.11                           |                      | 1.32               | 3,800                               | 0.53                              | 18.7                                                   | 40.1           | 0.161                         | 28                   |            |             |             |
| 109R0612F401 |                      | 0.09                           |                      | 1.08               | 3,200                               | 0.44                              | 15.5                                                   | 29.4           | 0.118                         | 24                   |            |             |             |
| 109R0612M401 |                      | 7 to 13.8                      | 0.06                 | 0.72               | 2,600                               | 0.36                              | 12.7                                                   | 19.6           | 0.079                         | 20                   |            |             |             |
| 109R0624J401 |                      | 21.6 to 26.4                   | 0.24                 | 5.76               | 7,600                               | 1.06                              | 37.1                                                   | 155.0          | 0.622                         | 44                   |            | -20 to +60  |             |
| 109R0624G401 |                      | 24                             | 20.4 to 27.6         | 0.13               | 3.12                                | 5,600                             | 0.78                                                   | 27.5           | 87.3                          | 0.351                | 39         | -20 to +70  | 60,000/60°C |
| 109R0624D401 | 0.12                 |                                |                      | 2.88               | 5,150                               | 0.72                              | 25.4                                                   | 73.5           | 0.295                         | 37                   |            |             |             |
| 109R0624S401 | 12 to 27.6           |                                | 0.08                 | 1.92               | 4,600                               | 0.65                              | 23.0                                                   | 56.8           | 0.228                         | 33                   |            |             |             |
| 109R0624H401 |                      |                                | 0.06                 | 1.44               | 3,800                               | 0.53                              | 18.7                                                   | 40.2           | 0.161                         | 28                   |            |             |             |
| 109R0624F401 |                      |                                | 0.05                 | 1.20               | 3,200                               | 0.44                              | 15.5                                                   | 29.4           | 0.118                         | 24                   |            |             |             |
| 109R0624M401 | 14 to 27.6           | 0.04                           | 0.96                 | 2,600              | 0.36                                | 12.7                              | 19.6                                                   | 0.079          | 20                            |                      |            |             |             |
| 109R0648J401 | 48                   | 43.2 to 52.8                   | 0.12                 | 5.76               | 7,600                               | 1.06                              | 37.1                                                   | 155.0          | 0.622                         | 44                   | -20 to +60 | 40,000/60°C |             |
| 109R0648G401 |                      | 43 to 53                       | 0.07                 | 3.36               | 5,600                               | 0.78                              | 27.5                                                   | 87.3           | 0.351                         | 39                   | -20 to +70 | 60,000/60°C |             |
| 109R0648H401 |                      | 40 to 53                       | 0.04                 | 1.92               | 3,800                               | 0.53                              | 18.7                                                   | 40.2           | 0.161                         | 28                   |            |             |             |

Other sensor specifications are available as options. Please refer to the index (pp. 498 to 499).

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

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

Inlet side, Outlet side

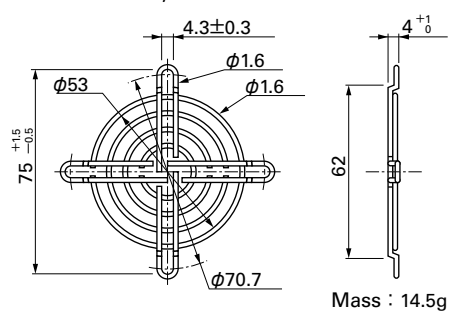


## Options (unit: mm)

### Finger Guards

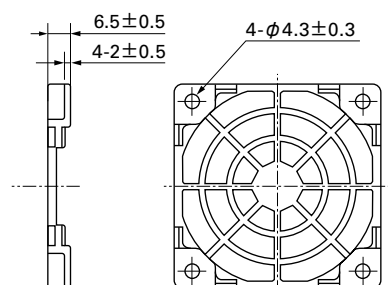
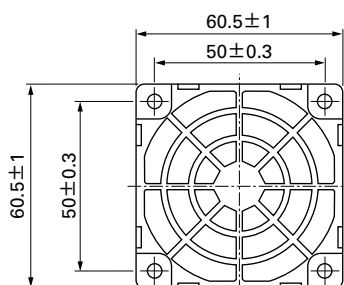
Model : 109-139E Surface treatment : Nickel-chrome plating (silver) Color : 109-139H : Cation electropainting (black)

Inlet side, Outlet side



### Resin Finger Guards

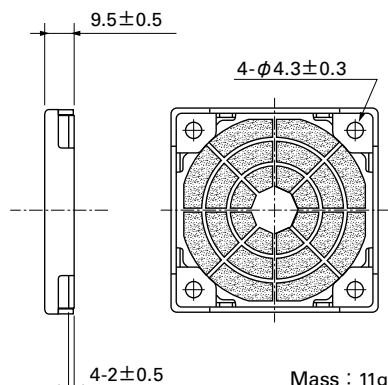
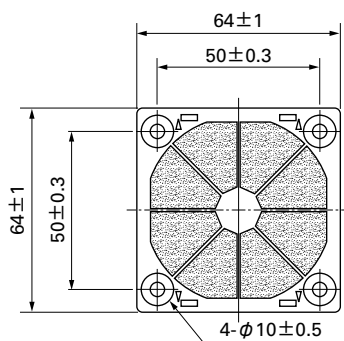
Model : 109-1003G



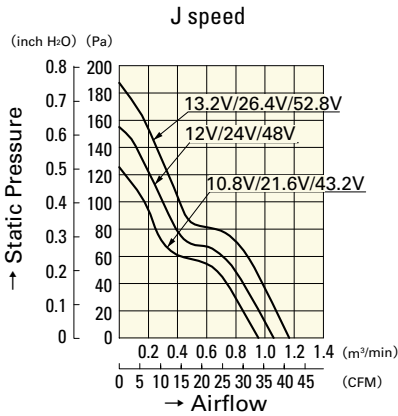
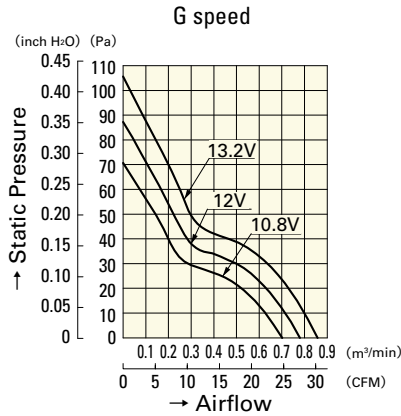
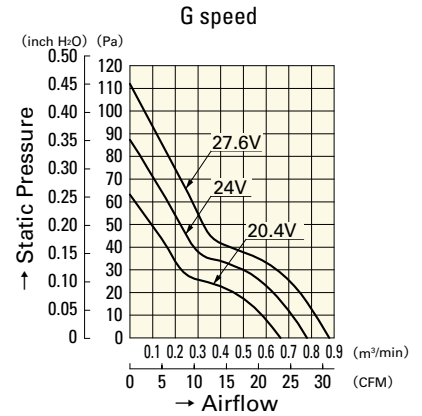
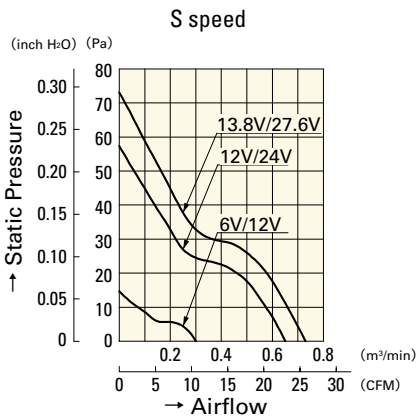
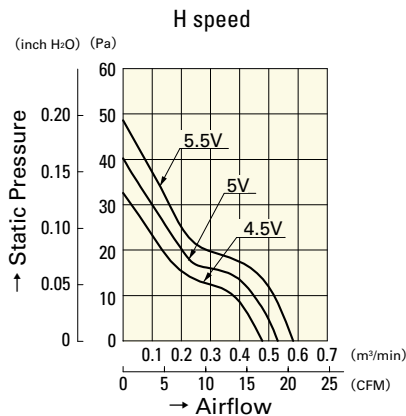
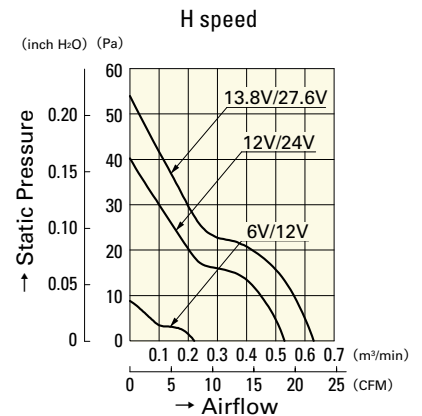
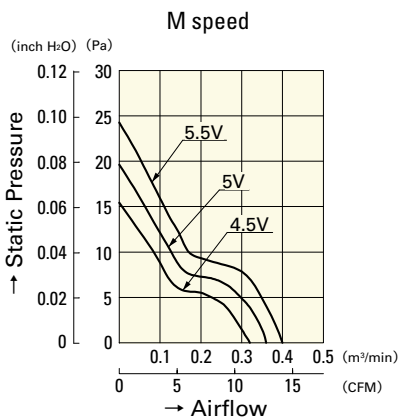
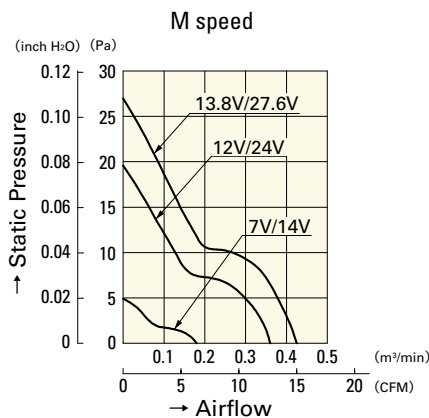
Mass : 7g

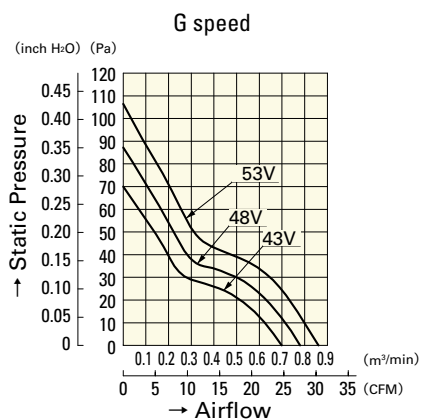
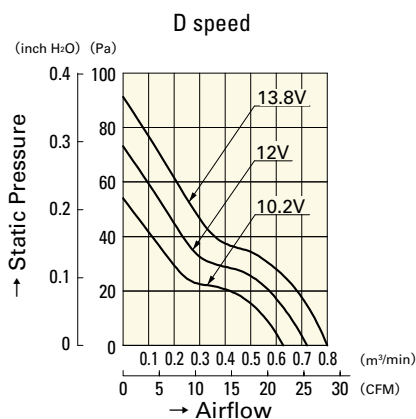
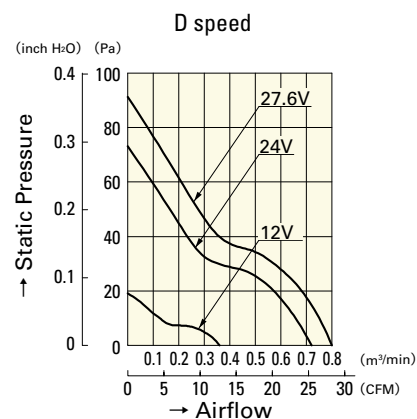
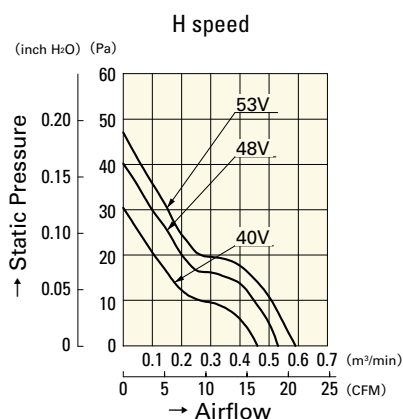
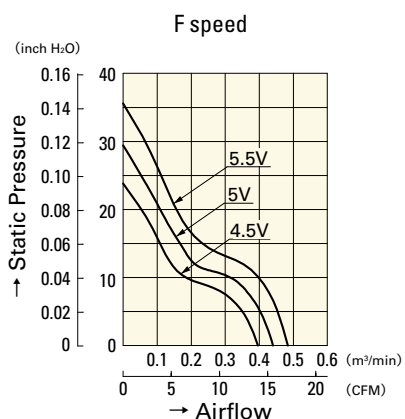
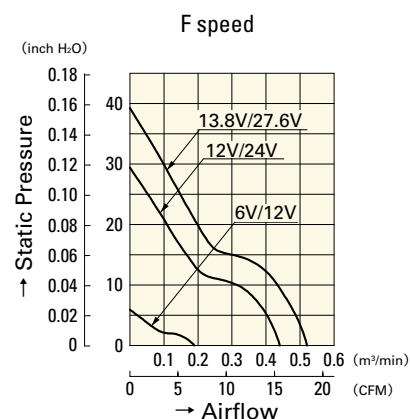
### Resin Filter Kits

Model : 109-1003F13 (13PPI), 109-1003F20 (20PPI)  
: 109-1003F30 (30PPI), 109-1003F40 (40PPI)



Mass : 11g

**60**mm sq.**San Ace 60****60×60×25mm** [Mass : 90g]**Airflow - Static Pressure Characteristics****109R0612J401****109R0624J401****109R0648J401****109R0612G401****109R0624G401****109R0612S401****109R0624S401****109R0605H401****109R0612H401****109R0624H401****109R0605M401****109R0612M401****109R0624M401**

**109R0648G401****109R0612D401****109R0624D401****109R0648H401****109R0605F401****109R0612F401****109R0624F401**

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[109R0612J4D01](#)