

**120**mm sq.**San Ace 120****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 (Sensor) yellow (Control) brown
- Storage Temperature ...-30°C to +70°C (Non-condensing)

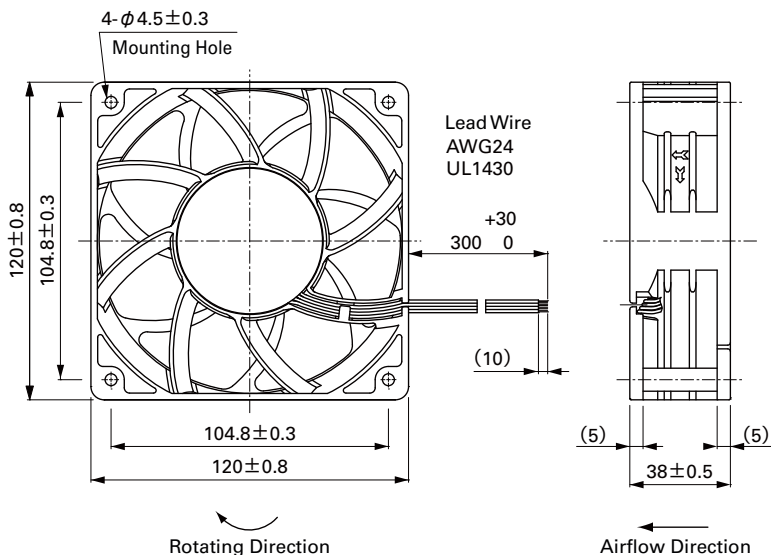
**120×120×38mm** [Mass : 360g] **9GV type** **Specifications** The following nos. **have PWM controls, pulse sensors, and ribs.** For ribless, append "1" to the model no.

| Model No.                  | Rated Voltage [V] | Operating Voltage Range [V] | PWM duty cycle※ [%] | 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>9GV1212P1J01</b>        | 12                | 10.2 to 13.8                | 100                 | 3.00              | 36.00           | 6,400                            | 6.35 224.0                               | 360.0 1.45                                       | 64          | -20 to +70                 | 40,000/60°C       |
|                            |                   |                             | 0                   | 0.19              | 2.28            | 1,500                            | 1.49 52.6                                | 19.8 0.08                                        | 33          |                            |                   |
| <b>9GV1212P1G01</b>        |                   |                             | 100                 | 2.1               | 25.2            | 5,500                            | 5.45 192.6                               | 265 1.06                                         | 60          |                            |                   |
|                            |                   |                             | 0                   | 0.19              | 2.28            | 1,500                            | 1.49 52.6                                | 19.8 0.08                                        | 33          |                            |                   |
| <b>9GV1224P1J01</b> (Note) | 24                | 20.4 to 27.6                | 100                 | 1.5               | 36.00           | 6,400                            | 6.35 224.0                               | 360 1.45                                         | 64          |                            |                   |
| <b>9GV1224P1H01</b> (Note) |                   |                             | 100                 | 0.8               | 19.2            | 5,200                            | 5.16 182.3                               | 237 0.95                                         | 58          |                            |                   |
| <b>9GV1248P1J01</b>        |                   |                             | 100                 | 0.75              | 36.00           | 6,400                            | 6.35 224.0                               | 360.0 1.45                                       | 64          |                            |                   |
|                            |                   |                             | 0                   | 0.06              | 2.88            | 1,500                            | 1.49 52.6                                | 26.1 0.106                                       | 33          |                            |                   |
| <b>9GV1248P1B10</b> (Note) | 48                | 40.8 to 55.2                | 100                 | 0.43              | 20.64           | 5,250                            | 5.2 183.7                                | 242 0.97                                         | 59          |                            |                   |
|                            |                   |                             |                     |                   |                 |                                  |                                          |                                                  |             |                            |                   |

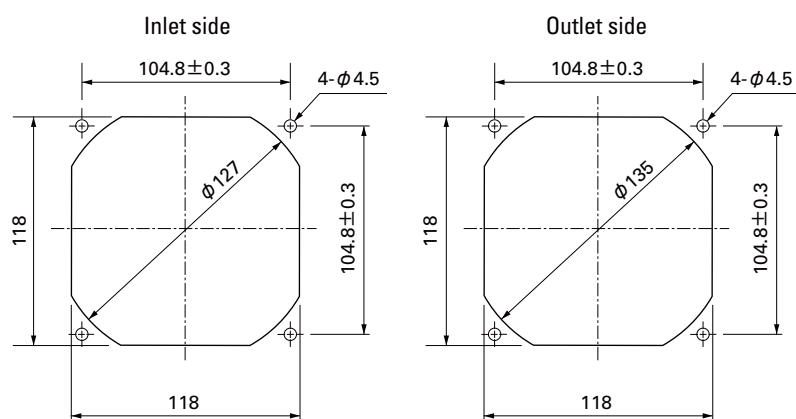
Note: Fan does not rotate when PWM duty cycle is 0%.

※ PWM Frequency : 25kHz  
9GV1248P1B10 only: 1.4 kHz

Models without sensors, or with pulse sensors (no PWM control function), or lock sensors are available as options. Please refer to the index (pp. 477 to 478).

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

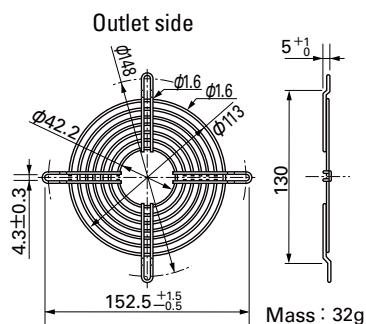
## Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)



## Options (unit: mm)

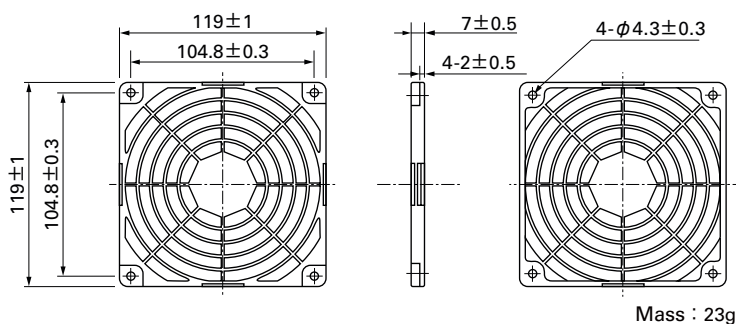
### Finger Guards

Model : 109-019C Surface treatment : Nickel-chrome plating (silver) Color  
: 109-019H : Cation electropainting (black)

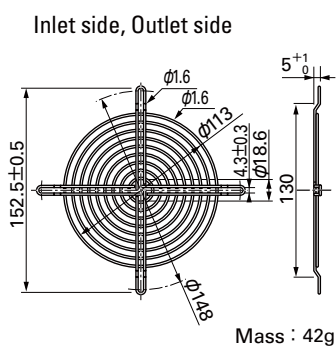


### Resin Finger Guards

Model : 109-1000G

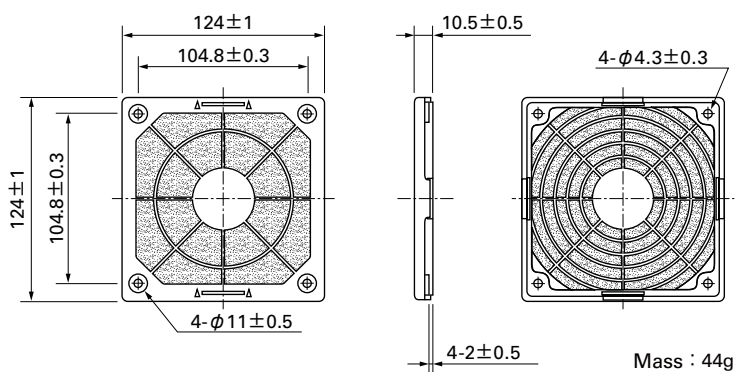


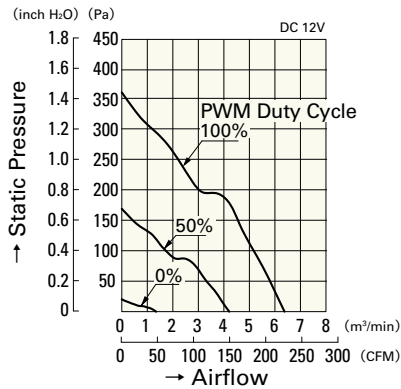
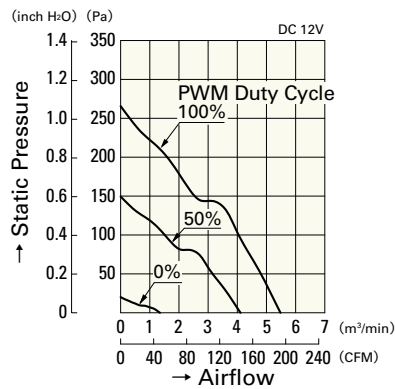
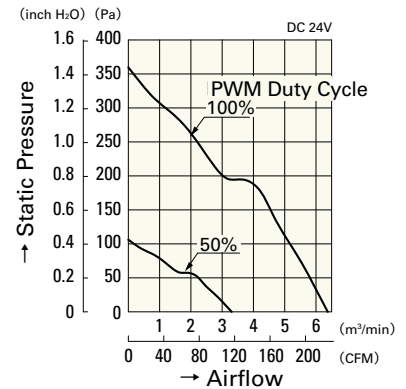
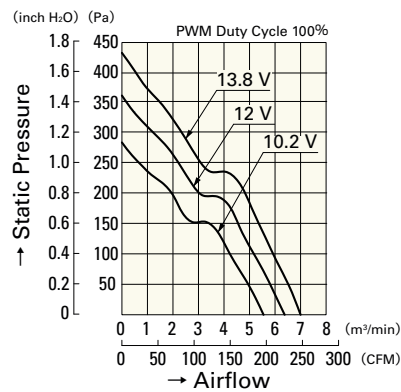
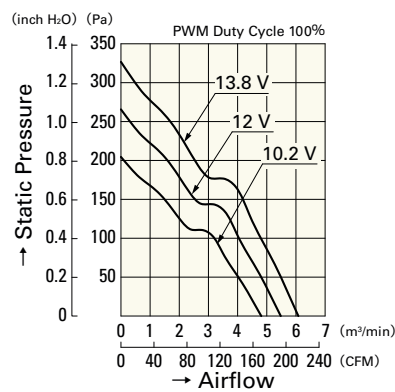
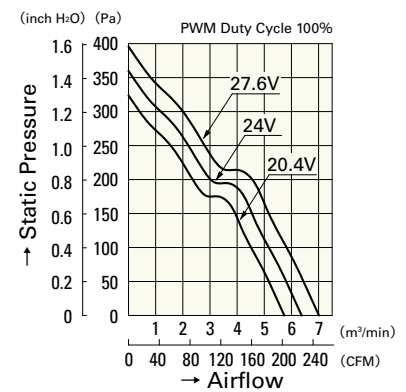
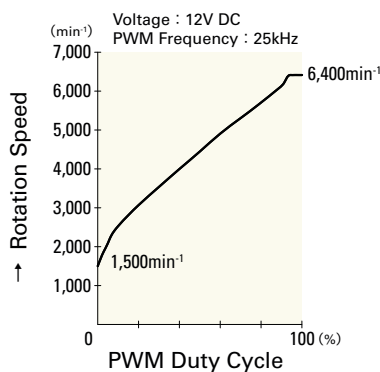
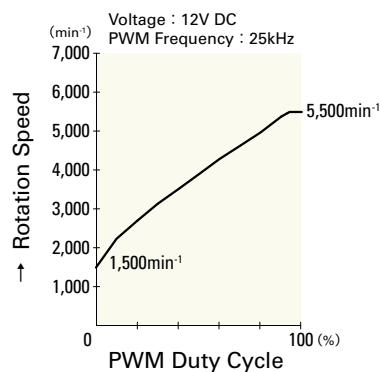
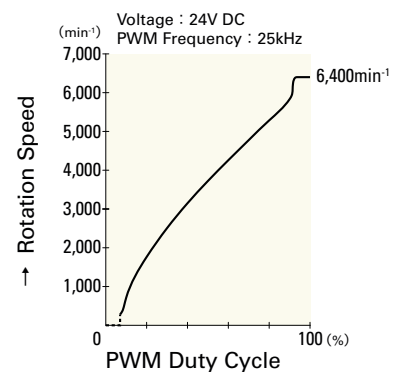
Model : 109-019E Surface treatment : Nickel-chrome plating (silver) Color  
: 109-019K : Cation electropainting (black)

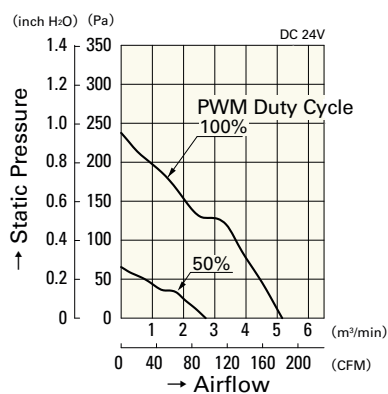
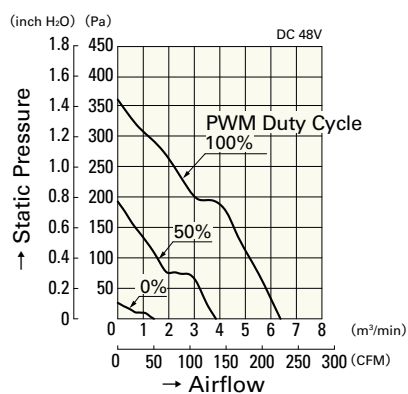
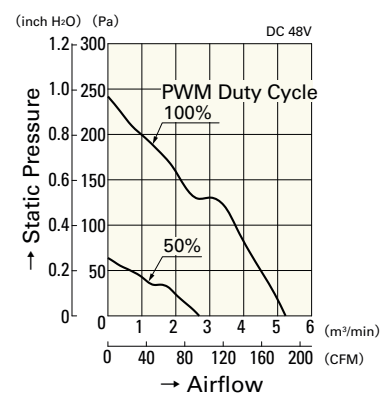
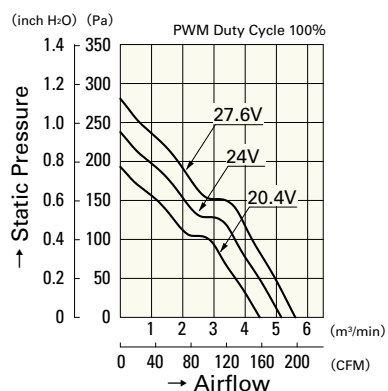
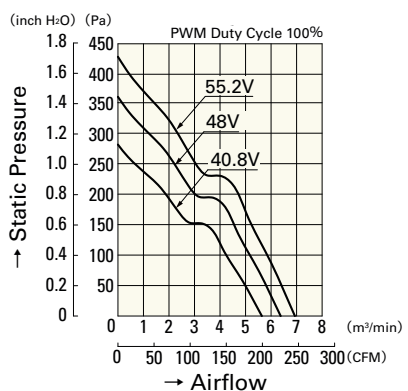
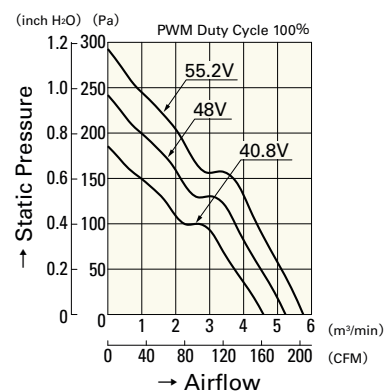
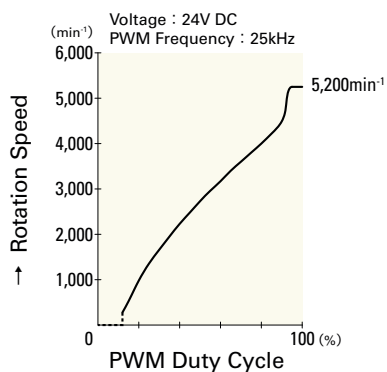
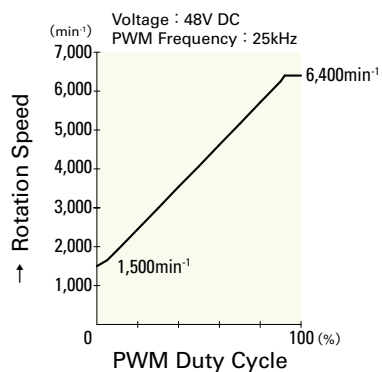
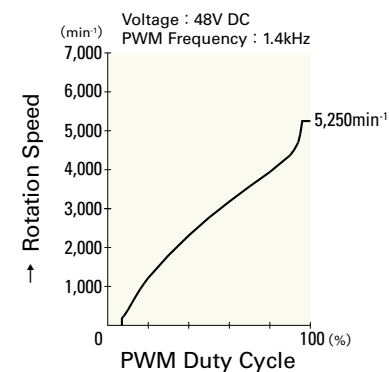


### Resin Filter Kits

Model : 109-1000F13 (13PPI), 109-1000F20 (20PPI)  
: 109-1000F30 (30PPI), 109-1000F40 (40PPI)



**120**mm sq.**San Ace 120****120×120×38mm** [Mass : 360g]**Airflow - Static Pressure Characteristics****PWM Duty Cycle****9GV1212P1J01****9GV1212P1G01****9GV1224P1J01****Operating Voltage Range****9GV1212P1J01****9GV1212P1G01****9GV1224P1J01****PWM Duty - Speed Characteristics Example****9GV1212P1J01****9GV1212P1G01****9GV1224P1J01**

**9GV1224P1H01****9GV1248P1J01****9GV1248P1B10****9GV1224P1H01****9GV1248P1J01****9GV1248P1B10****9GV1224P1H01****9GV1248P1J01****9GV1248P1B10**