

**80**mm sq.**San Ace 80****General Specifications**

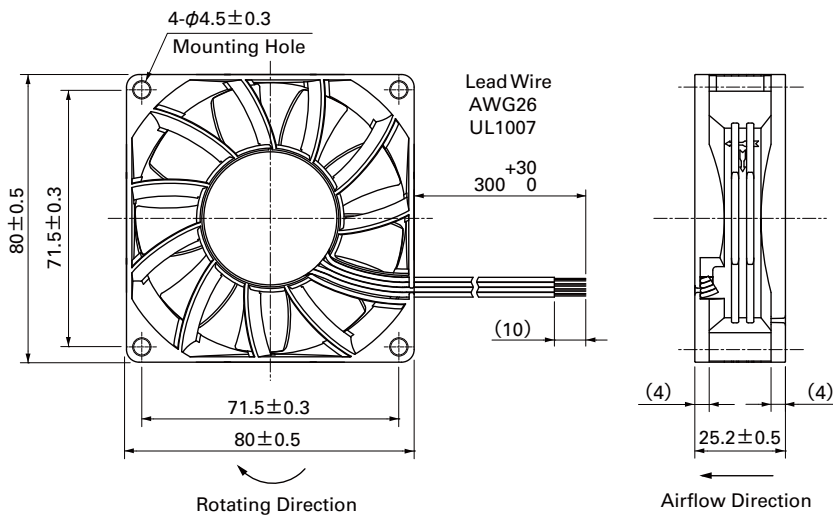
- Material.....Frame: Plastics (Flammability: UL94V-0),  
Impeller: Plastics (Flammability: UL94V-1)
- Expected Life .....Refer to specifications (L10:Survival rate:90% at 60°C ,  
rated voltage, and continuously run in a free air state)
- Lead Wire .....⊕red ⊖black (Sensor) yellow (Control) brown
-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

**80×80×25mm** (Mass : 125g) **9GV type****Specifications** The following nos. **have PWM controls, pulse sensors, and ribs.** For ribless, append "1" to the model no.

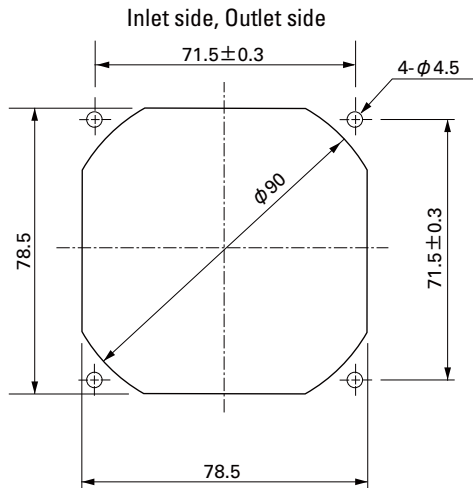
| Model No.           | Rated Voltage [V] | Operating Voltage Range [V] | PWM duty cycle※ [%] | Rated Current [A] | Rated Input [W] | Rated Speed [min <sup>-1</sup> ] | Max. Airflow [m <sup>3</sup> /min] [CFM] | Max. Static Pressure [Pa] [inchH <sub>2</sub> O] | SPL [dB(A)] | Operating Temperature [°C] | Expected Life [h] |
|---------------------|-------------------|-----------------------------|---------------------|-------------------|-----------------|----------------------------------|------------------------------------------|--------------------------------------------------|-------------|----------------------------|-------------------|
| <b>9GV0812P4K03</b> | 12                | 10.2 to 13.8                | 100                 | 0.87              | 10.4            | 5,600                            | 2.12 74.8                                | 173.0 0.69                                       | 52          | -20 to +70                 | 40,000/60°C       |
|                     |                   |                             | 0                   | 0.10              | 1.2             | 1,400                            | 0.50 18.7                                | 10.3 0.04                                        | 18          |                            |                   |
| <b>9GV0812P4J03</b> |                   |                             | 100                 | 0.47              | 5.6             | 4,500                            | 1.72 60.7                                | 110.0 0.44                                       | 46          |                            |                   |
|                     |                   |                             | 0                   | 0.07              | 0.8             | 1,200                            | 0.45 16.2                                | 7.5 0.03                                         | 14          |                            |                   |
| <b>9GV0824P4K01</b> | 24                | 20.4 to 27.6                | 100                 | 0.44              | 10.56           | 5,600                            | 2.12 74.8                                | 173.0 0.69                                       | 52          |                            |                   |
|                     |                   |                             | 0                   | 0.06              | 1.44            | 1,400                            | 0.53 18.7                                | 10.8 0.04                                        | 18          |                            |                   |
| <b>9GV0848P4K03</b> | 48                | 43 to 53                    | 100                 | 0.22              | 10.56           | 5,600                            | 2.12 74.8                                | 173.0 0.69                                       | 52          |                            |                   |
|                     |                   |                             | 0                   | 0.04              | 1.92            | 1,500                            | 0.57 20.1                                | 12.4 0.05                                        | 19          |                            |                   |

※PWM Frequency : 25kHz

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

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

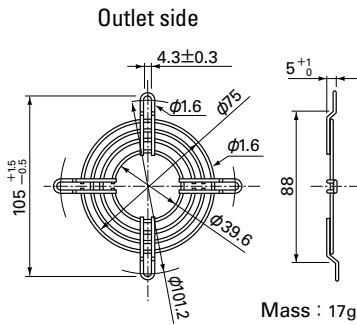
## Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)



## Options (unit: mm)

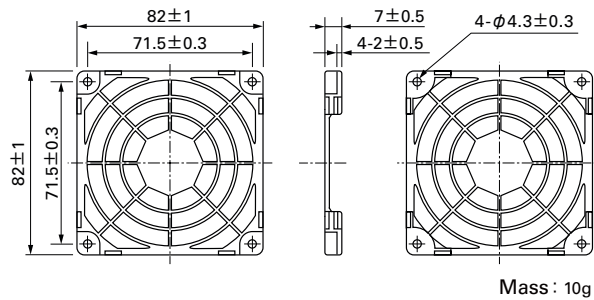
### Finger Guards

Model : 109-049C Surface treatment : Nickel-chrome plating (silver) Color : Nickel-chrome plating (silver)

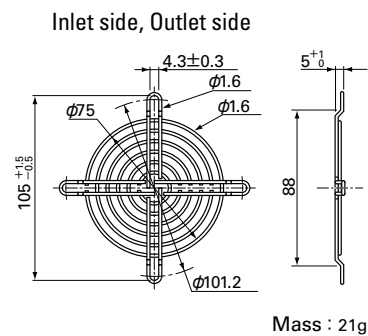


### Resin Finger Guards

Model : 109-1002G

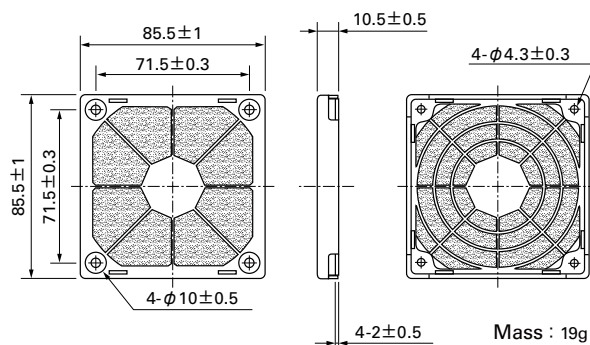


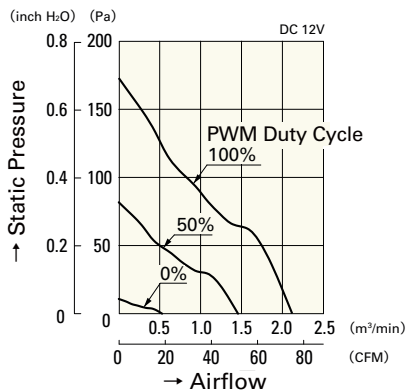
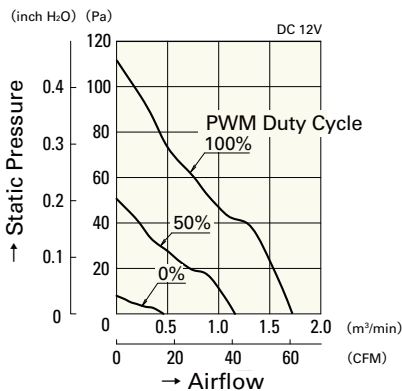
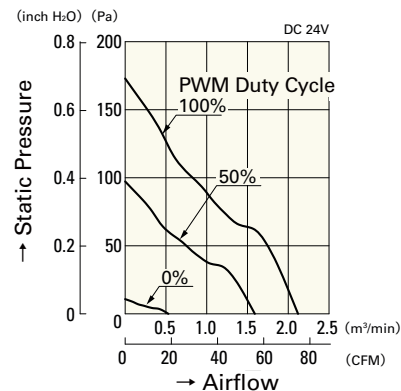
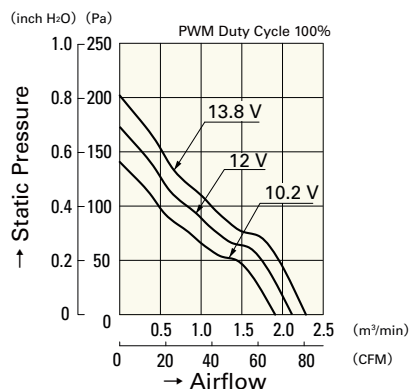
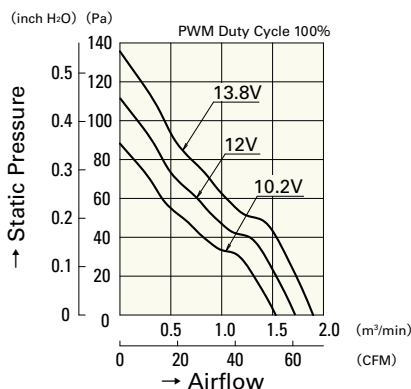
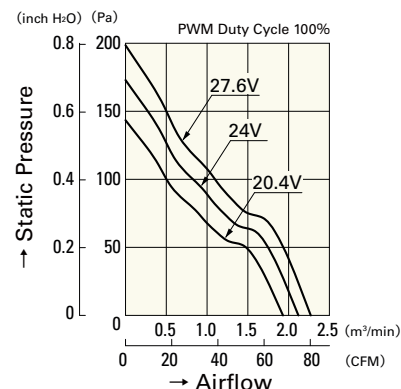
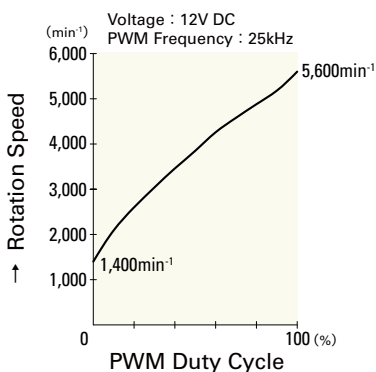
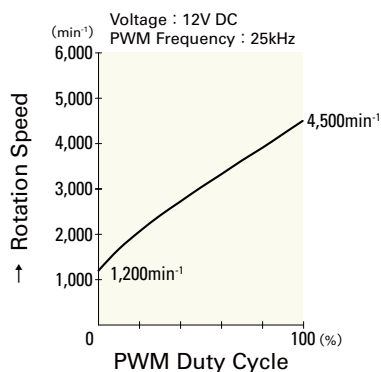
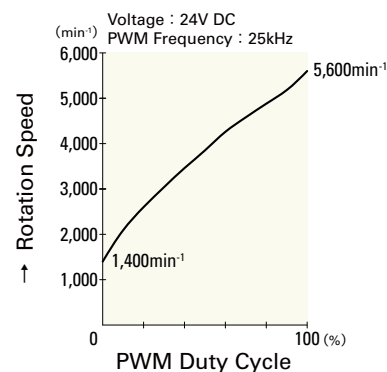
Model : 109-049E Surface treatment : Nickel-chrome plating (silver) Color : Nickel-chrome plating (silver)  
Model : 109-049H Surface treatment : Cation electropainting (black) Color : Cation electropainting (black)

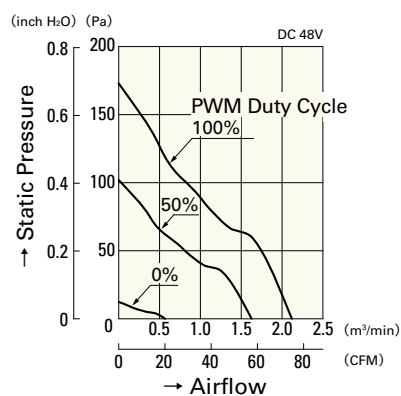


### Resin Filter Kits

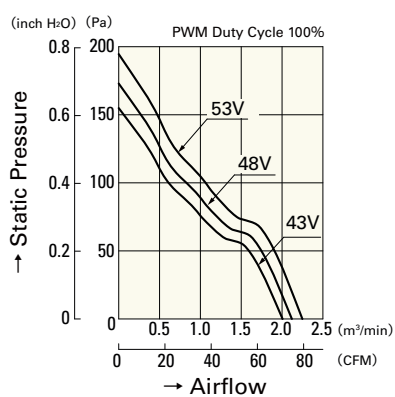
Model : 109-1002F13 (13PPI), 109-1002F20 (20PPI)  
Model : 109-1002F30 (30PPI), 109-1002F40 (40PPI)



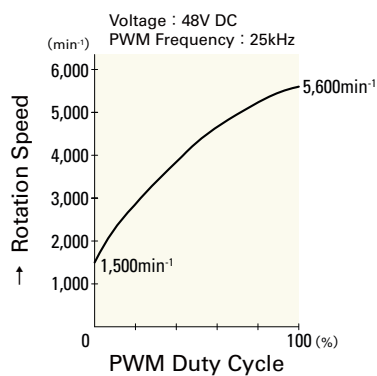
**80**mm sq.**San Ace 80****80×80×25mm** [Mass : 125g]**Airflow - Static Pressure Characteristics****PWM Duty Cycle****9GV0812P4K03****9GV0812P4J03****9GV0824P4K01****Operating Voltage Range****9GV0812P4K03****9GV0812P4J03****9GV0824P4K01****PWM Duty - Speed Characteristics Example****9GV0812P4K03****9GV0812P4J03****9GV0824P4K01**



**9GV0848P4K03**



**9GV0848P4K03**



**9GV0848P4K03**