

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

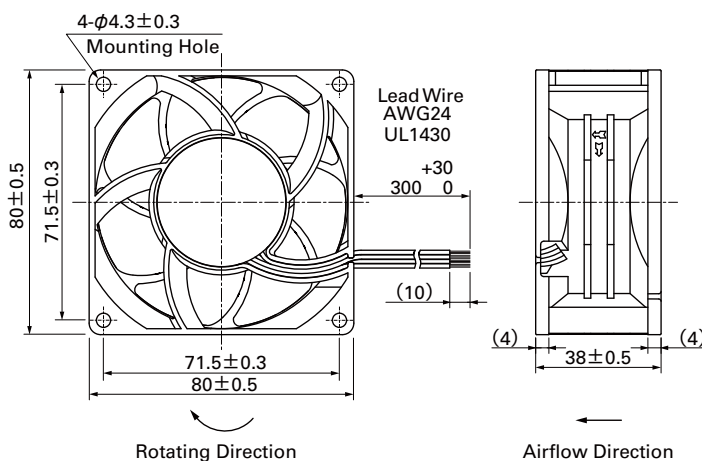
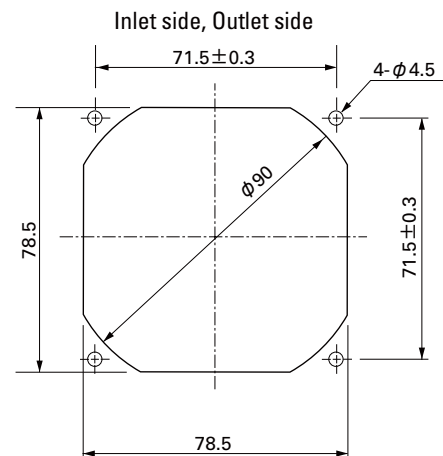
- Material.....Frame: Plastics (Flammability: UL94V-0),  
Impeller: Plastics (Flammability: UL94V-1)
- Expected Life .....Refer to specifications (L10:Survival rate:90% at 60°C ,  
rated voltage, and continuously run in a free air state)
- Lead Wire .....⊕red ⊖black (Sensor) yellow (Control) brown
-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

**80×80×38mm** [Mass : 220g] **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<br>[V] | Operating Voltage Range<br>[V] | PWM duty<br>cycle※ [%] | 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] |  |  |
|--------------|----------------------|--------------------------------|------------------------|----------------------|--------------------|-------------------------------------|--------------------------------|-------|-----------------------------------------------------|------|----------------|-------------------------------|----------------------|--|--|
| 9GV0812P1G03 | 12                   | 10.8 to 13.2                   | 100                    | 3.80                 | 45.60              | 10,200                              | 3.90                           | 138.0 | 490.0                                               | 1.97 | 65             | -20 to +70                    | 40,000/60°C          |  |  |
|              |                      |                                | 0                      | 0.32                 | 3.84               | 3,000                               | 1.15                           | 40.6  | 42.4                                                | 0.17 | 34             |                               |                      |  |  |
| 9GV0812P1H03 |                      |                                | 100                    | 3.00                 | 36.00              | 9,700                               | 3.70                           | 131.0 | 440.0                                               | 1.77 | 63             |                               |                      |  |  |
|              |                      |                                | 0                      | 0.20                 | 2.40               | 2,900                               | 1.11                           | 39.2  | 39.0                                                | 0.16 | 34             |                               |                      |  |  |
| 9GV0812P1F03 |                      | 10.2 to 13.8                   | 100                    | 1.5                  | 18                 | 8,000                               | 3.05                           | 108.0 | 301.0                                               | 1.21 | 58             |                               |                      |  |  |
|              |                      |                                | 0                      | 0.12                 | 1.44               | 2,400                               | 0.92                           | 32.0  | 27.1                                                | 0.11 | 26             |                               |                      |  |  |
| 9GV0812P1M03 |                      |                                | 100                    | 0.75                 | 9                  | 6,000                               | 2.29                           | 81.0  | 169.0                                               | 0.68 | 51             |                               |                      |  |  |
|              |                      |                                | 0                      | 0.09                 | 1.08               | 1,700                               | 0.65                           | 23.0  | 13.6                                                | 0.05 | 19             |                               |                      |  |  |
| 9GV0824P1G03 | 24                   | 20.4 to 27.6                   | 100                    | 1.6                  | 38.40              | 10,200                              | 3.9                            | 138.0 | 490.0                                               | 1.97 | 65             |                               |                      |  |  |
|              |                      |                                | 0                      | 0.3                  | 7.2                | 4,700                               | 1.79                           | 63.2  | 104.0                                               | 0.41 | 44             |                               |                      |  |  |
| 9GV0848P1G03 | 48                   | 40.8 to 55.2                   | 100                    | 0.84                 | 40.32              | 10,200                              | 3.9                            | 138.0 | 490.0                                               | 1.97 | 65             |                               |                      |  |  |
|              |                      |                                | 0                      | 0.15                 | 7.2                | 4,700                               | 1.79                           | 63.2  | 104.0                                               | 0.41 | 44             |                               |                      |  |  |

※PWM Frequency : 25kHz

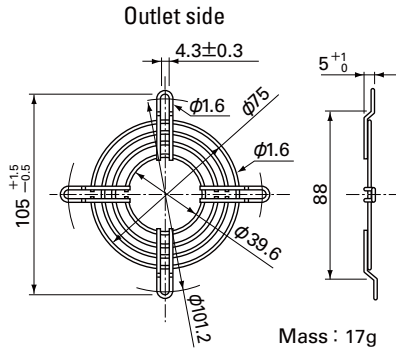
Models without sensors or with pulse sensors (no PWM function) are available as options. Please refer to the index (p. 477).

**Dimensions (unit: mm)** (With ribs)**Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)**

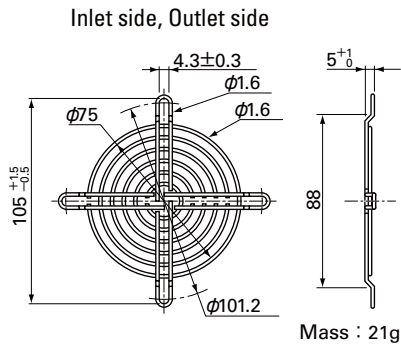
## Options (unit: mm)

## Finger Guards

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

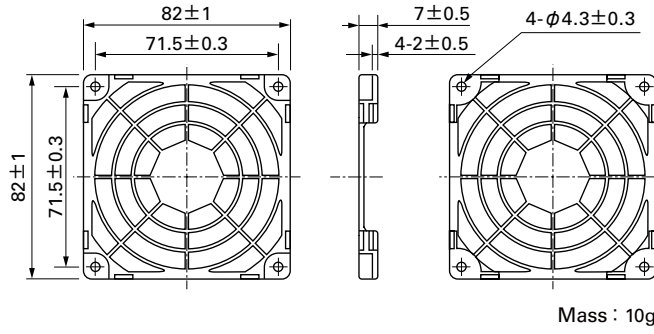


Model : 109-049E Surface treatment : Nickel-chrome plating (silver) Color (silver)  
: 109-049H : Cation electropainting (black)



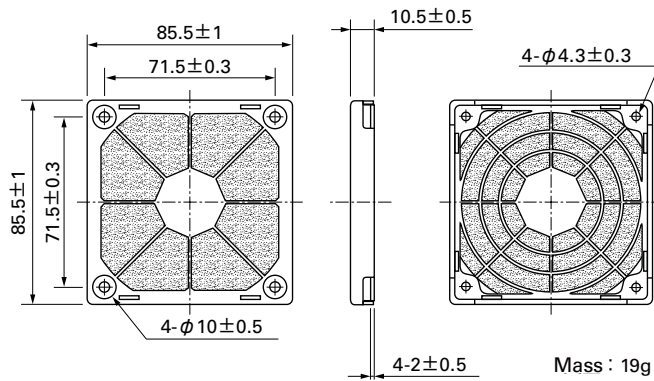
## Resin Finger Guards

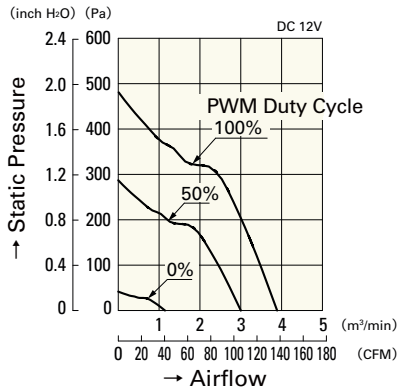
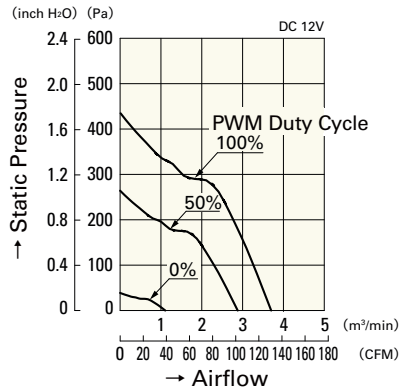
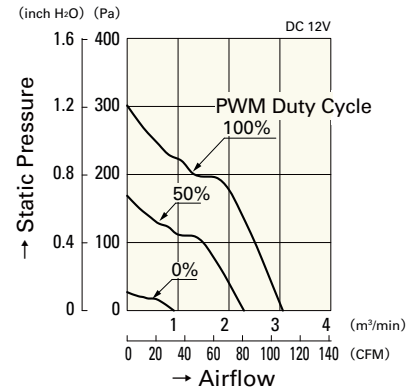
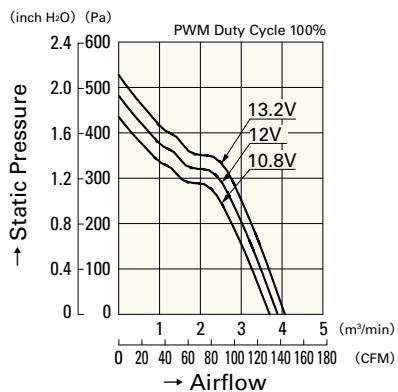
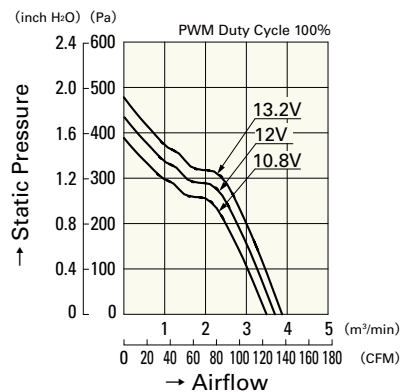
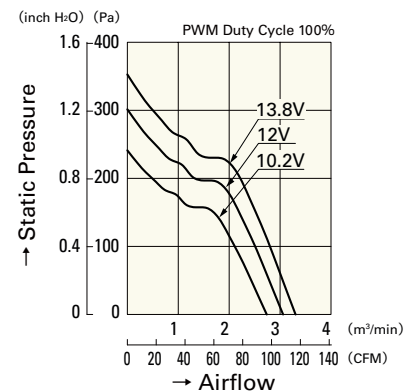
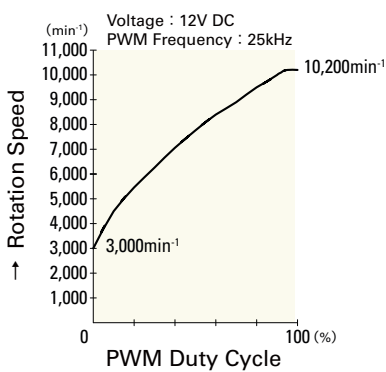
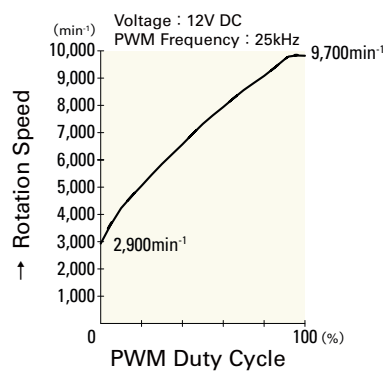
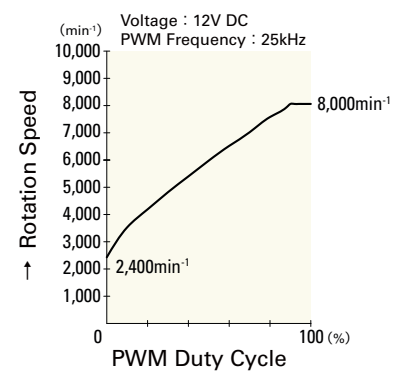
Model : 109-1002G

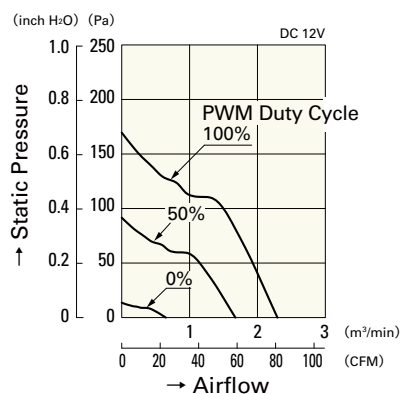
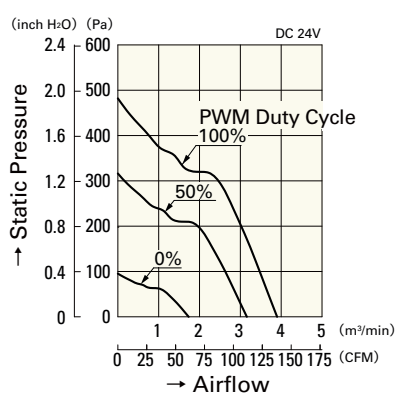
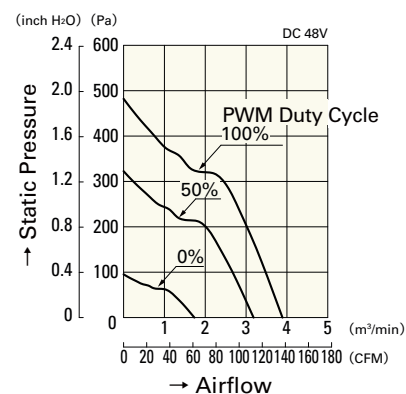
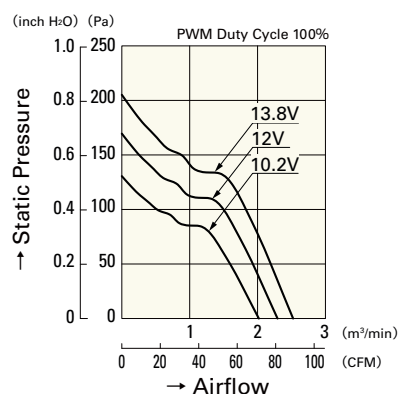
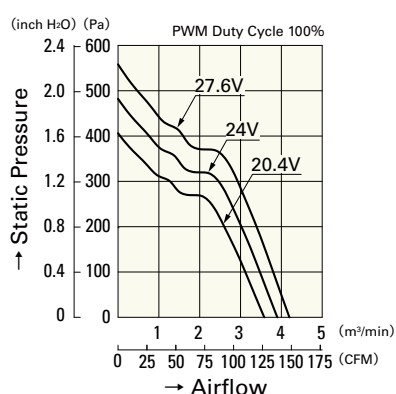
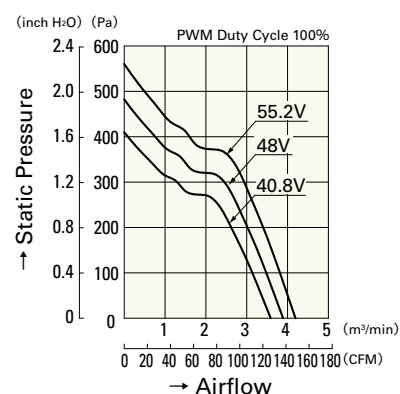
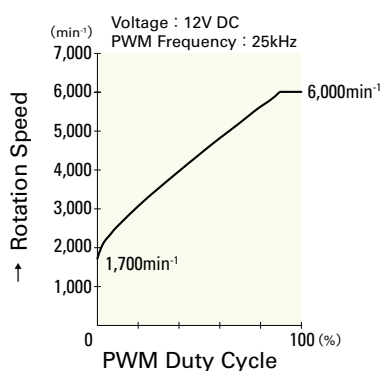
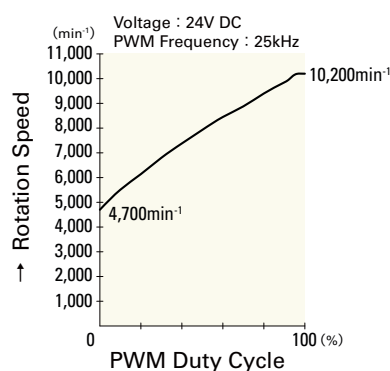
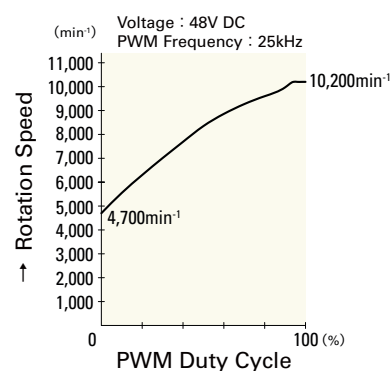


## Resin Filter Kits

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



**80**mm sq.**San Ace 80****80×80×38mm** [Mass : 220g]**Airflow - Static Pressure Characteristics****PWM Duty Cycle****9GV0812P1G03****9GV0812P1H03****9GV0812P1F03****Operating Voltage Range****9GV0812P1G03****9GV0812P1H03****9GV0812P1F03****PWM Duty - Speed Characteristics Example****9GV0812P1G03****9GV0812P1H03****9GV0812P1F03**

**9GV0812P1M03****9GV0824P1G03****9GV0848P1G03****9GV0812P1M03****9GV0824P1G03****9GV0848P1G03****9GV0812P1M03****9GV0824P1G03****9GV0848P1G03**

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