DC Fan

60×60×20 mm
San Ace 60 9P type

General Specifications

- Material: 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
- 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: 90 g

Specifications

The models listed below have ribs and pulse sensors.

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<tr>
<td>109P0612W601</td>
<td>12</td>
<td>6 to 16</td>
<td>0.13</td>
<td>1.56</td>
<td>4200</td>
<td>0.42</td>
<td>14.8</td>
<td>0.128</td>
<td>-20 to +70</td>
<td>60000/60˚C</td>
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<td>12</td>
<td>10.2 to 13.8</td>
<td>0.13</td>
<td>1.56</td>
<td>4200</td>
<td>0.42</td>
<td>14.8</td>
<td>0.128</td>
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<td>1.08</td>
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<td>0.3</td>
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<td>12 to 30</td>
<td>0.07</td>
<td>1.68</td>
<td>4200</td>
<td>0.42</td>
<td>14.8</td>
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<td>-20 to +70</td>
<td>60000/60˚C</td>
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<tr>
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<td>0.07</td>
<td>1.68</td>
<td>4200</td>
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<td>1.2</td>
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<td>43 to 53</td>
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Other sensor specifications are available as options. Refer to the index (p. 544).

Airflow - Static Pressure Characteristics

109P0612W601 With pulse sensor
Operating voltage range

109P0612H601 With pulse sensor
Operating voltage range

109P0612M601 With pulse sensor
Operating voltage range
Airflow - Static Pressure Characteristics

### 109P0624W601 With pulse sensor

**Operating voltage range**

- **Operating voltage range**
  - Static pressure vs. airflow graph for different voltages:
    - 30 V, 24 V, 12 V
  - Static pressure range: 0 to 0.2 (Pa)
  - Airflow range: 0 to 60 (CFM)

### 109P0624H601 With pulse sensor

**Operating voltage range**

- **Operating voltage range**
  - Static pressure vs. airflow graph for different voltages:
    - 27.6 V, 24 V, 20.4 V
  - Static pressure range: 0 to 0.2 (Pa)
  - Airflow range: 0 to 50 (CFM)

### 109P0624M601 With pulse sensor

**Operating voltage range**

- **Operating voltage range**
  - Static pressure vs. airflow graph for different voltages:
    - 27.6 V, 24 V, 20.4 V
  - Static pressure range: 0 to 0.2 (Pa)
  - Airflow range: 0 to 30 (CFM)

### Dimensions (unit: mm)

- **Mounting hole**: 4-Ø4.3±0.3
- **Lead wire**: AWG24, UL 1007
- **Rotating direction**: 0 20 -1 (°)
- **Airflow direction**: 30 0 (°)
- **Dimensions**
  - Width: 60 ± 0.3
  - Height: 60 ± 0.3
  - Diameter: 50 ± 0.3
  - Length: +50 300 0 (mm)

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**DC Fan 60 mm sq.**
**Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)**

Inlet side, Outlet side

![Diagram of dimensions](image)

**Options**

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<td>Model no.: 109-139E, 109-139H</td>
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