General Specifications

- Material: Frame: Aluminum, 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, Sensor, Yellow, Control, Brown
- Mass: 760 g

Specifications

The models listed below have pulse sensors with PWM control function.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>9SG5724P5H61</td>
<td>24</td>
<td>20.4 to 27.6</td>
<td>100</td>
<td>2.8</td>
<td>67.2</td>
<td>6500</td>
<td>11.6 410</td>
<td>540 2.16</td>
<td>71</td>
<td>-20 to +70</td>
<td>40000/60˚C</td>
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<tr>
<td>9SG5748P5G01</td>
<td>48</td>
<td>36 to 72</td>
<td>100</td>
<td>2.91</td>
<td>140</td>
<td>8600</td>
<td>15.6 546</td>
<td>1000 4.02</td>
<td>78</td>
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<td>9SG5748P5H01</td>
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<td>36 to 72</td>
<td>100</td>
<td>1.62</td>
<td>79</td>
<td>6500</td>
<td>11.6 410</td>
<td>770 3.09</td>
<td>71</td>
<td>-20 to +60</td>
<td></td>
</tr>
</tbody>
</table>

PWM frequency: 25 kHz

The following sensor and control options are available for selection.

- Differences according to the model. Refer to the table on p. 578.

Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9SG5724P5H61 With pulse sensor with PWM control function

- PWM duty cycle
- Operating voltage range
- PWM duty - Speed characteristics example

- Voltage: 24 VDC
- PWM frequency: 25 kHz
- Fan speed: 6500 min⁻¹
**Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example**

### 9SG5748P5G01 With pulse sensor with PWM control function

#### PWM duty cycle

![Graph showing airflow vs. static pressure for PWM duty cycle 100%]

- **Operating voltage range**
- **PWM duty - Speed characteristics example**

### 9SG5748P5H01 With pulse sensor with PWM control function

#### PWM duty cycle

![Graph showing airflow vs. static pressure for PWM duty cycle 100%]

- **Operating voltage range**
- **PWM duty - Speed characteristics example**

### Dimensions (unit: mm)

![Diagram showing dimensions of the fan, including rotating direction and airflow direction]

- **Rotating direction**
- **Airflow direction**

- **Mounting hole**
- **LED wire**
  - AWG22
  - UL 1430

- **Dimensions**
  - Ø172±0.8
  - 162±0.5
  - 150±0.8
  - 7.5±0.4
Reference Dimensions of Mounting Holes and Vent Opening (unit: mm)

Inlet side, Outlet side

Options

Finger guards  page: p. 534

Mouser Electronics

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Sanyo Denki:
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