

# San Ace 60WF

9WFA type

## Oil Proof Fan

### Features

#### High Airflow and High Static Pressure

This fan delivers a maximum airflow of 0.79 m<sup>3</sup>/min and a maximum static pressure of 158 Pa.

#### Oil-proof

The windings and electronic components are structurally protected by materials with excellent oil resistance, and stable operation is maintained even in harsh oil mist environments.



60 × 60 × 20 mm

### Specifications

The models listed below **have ribs and pulse sensors.**

| Model no.     | Rated voltage [V] | Operating voltage range [V] | 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]          |
|---------------|-------------------|-----------------------------|-------------------|-----------------|----------------------------------|--|--|-------------|----------------------------|----------------------------|
| 9WFA0624G6001 | 24                | 15 to 27.6                  | 0.16              | 3.8             | 7700                             | 0.79 27.9                                | 158 0.63   | 48          | -20 to +70                 | 40000/60°C<br>(70000/40°C) |

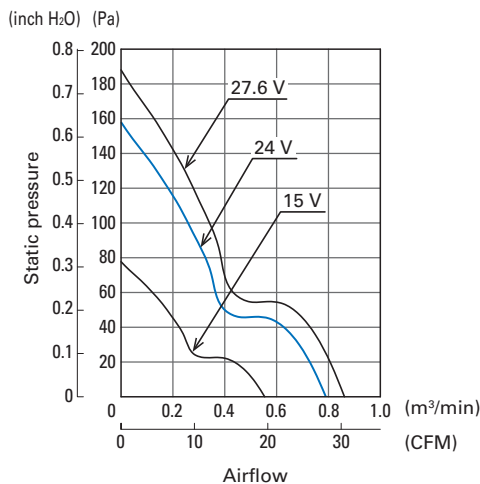
Models with the following sensor specifications are also available as options: **Without sensor** **Lock sensor**

### Common Specifications

- ☐ Material ..... Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-0)
- ☐ Expected life ..... Refer to specifications  
(L10 life: 90% survival rate for continuous operation in free air at 60°C, rated voltage)  
Expected life at 40°C is for reference only.
- ☐ Motor protection system ..... Current blocking function and reverse polarity protection
- ☐ Dielectric strength ..... 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- ☐ Sound pressure level (SPL) ..... At 1 m away from the air inlet
- ☐ Operating temperature ..... Refer to specifications (Non-condensing)
- ☐ Storage temperature ..... -30 to +70°C (Non-condensing)
- ☐ Lead wire ..... ⊕ Red ⊖ Black (Sensor) Yellow
- ☐ Mass ..... 85 g

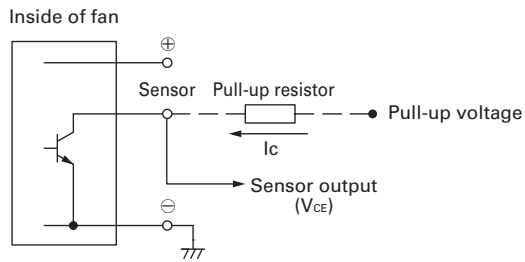
### Airflow - Static Pressure Characteristics

- Operating voltage range



## Specifications for Pulse Sensors

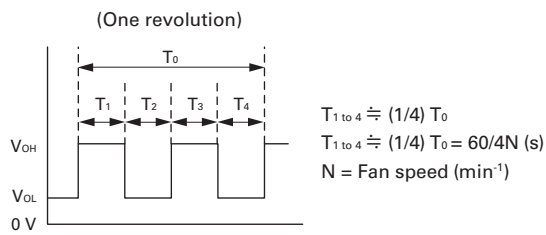
Output circuit: Open collector



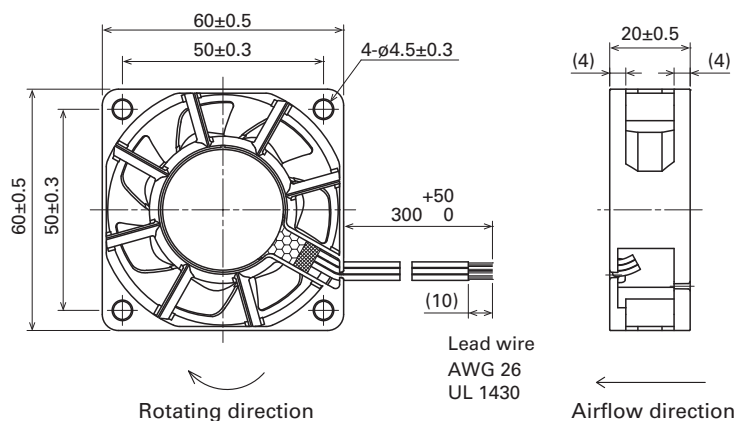
$V_{ce} = +27.6 \text{ V max.}$   
 $I_c = 5 \text{ mA max.}$  [ $V_{OL} = V_{ce} (\text{SAT}) = 1.0 \text{ V max.}$ ]

Output waveform (Need pull-up resistor)

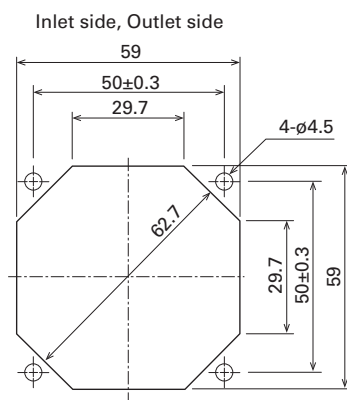
In case of steady running



## Dimensions (unit: mm)



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



## Notice

- Please read the "Safety Precautions" on our website before using the product.
- The products shown in this catalog are subject to Japanese Export Control Law. Diversion contrary to the law of exporting country is prohibited.
- For protecting fan bearings against electrolytic corrosion near strong electromagnetic noise sources, we provide effective countermeasures such as Electrolytic Corrosion Proof Fans and EMC guards. Contact us for details.

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