

San Ace 92WF 9WFA type

Oil Proof Fan

Features

High Airflow and High Static Pressure

This fan delivers a maximum airflow of 2.85 m³/min and maximum static pressure of 250 Pa.*

Compared with the current model,** maximum airflow and maximum static pressure have increased 2 times and 3.8 times, respectively.

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.

* Tested using a model 9WFA0924G4001

** Current model: San Ace 92WF 9WF type 92 x 92 x 25 mm Oil Proof Fan (model no. 9WF0924H401).



92 x 92 x 25 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 ⁻¹]	Max. airflow [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB(A)]	Operating temperature [°C]	Expected life [h]
9WFA0924G4001	24	20.4 to 27.6	0.45	10.8	7350	2.85 100.6	250 1.0	56	-20 to +70	40000/60°C (70000/40°C)
9WFA0924H4001			0.28	6.72	6100	2.35 83.0	171 0.69	52		

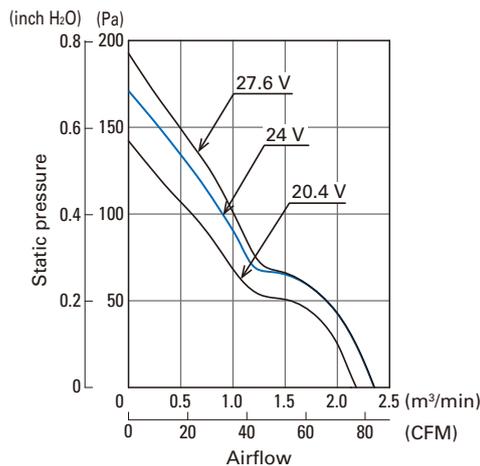
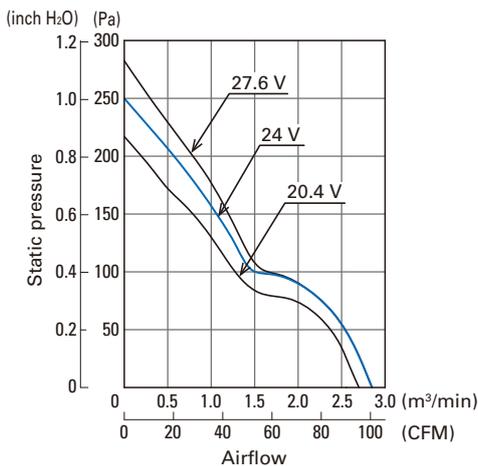
Models with the following sensor specifications are also available as options: **Without sensor** **Lock sensor**

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 Approx. 170 g

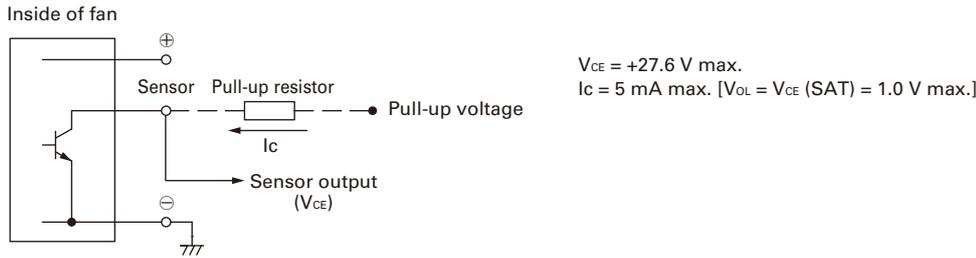
Airflow - Static Pressure Characteristics

- Operating voltage range



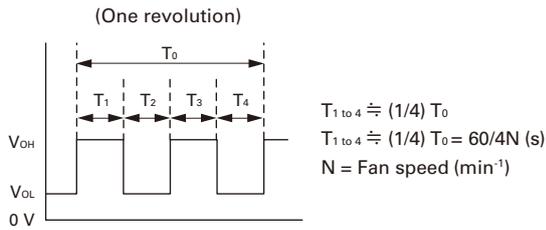
Specifications for Pulse Sensors

Output circuit: Open collector

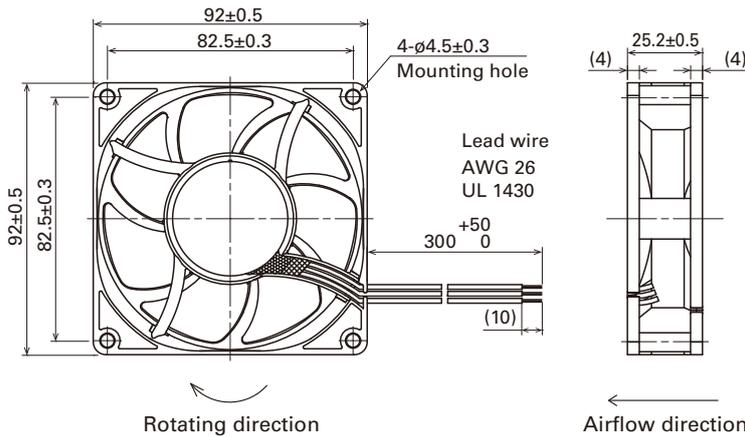


Output waveform (Need pull-up resistor)

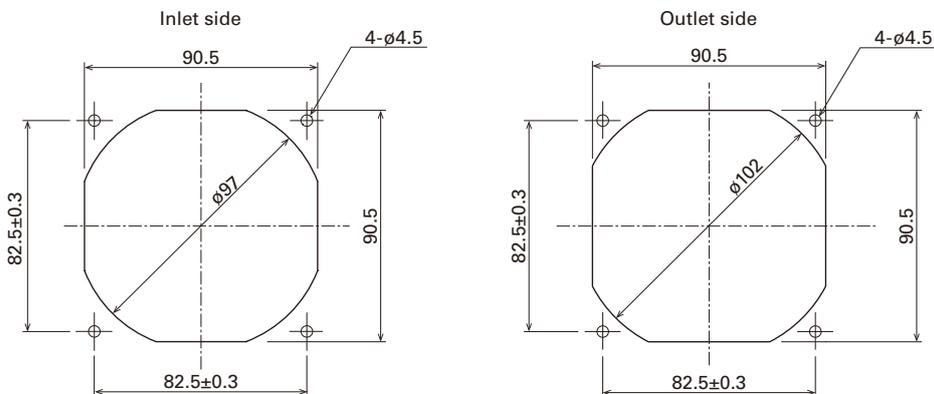
In case of steady running



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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