120×120×38 mm

San Ace 120WF 9WF type 🚯 🛆 9

General Specifications

• Material	Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-0)
Expected life ·····	See the table below. (L10 life: 90% survival rate for continuous operation in free air at $60^\circ\text{C},$ rated voltage)
	Locked rotor burnout protection, Reverse polarity protection For details, please refer to p. 529.
Dielectric strength ······	50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
Insulation resistance	10 M Ω 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
• Mass ·····	355 g
This fan can be used in environments with	oil mist *

This fan can be used in environments with oil mist.*

* Environment where cutting oil creates oil mist. Conduct a product evaluation with the type of oil to be used.

Specifications

The models listed below have ribs and pulse sensors.

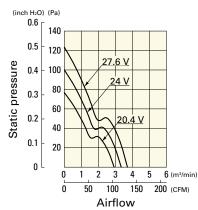
Model no.	Rated voltage	Operating voltage range	Rated current	Rated input	Rated speed	Max. airflow		Max. static press		SPL	Operating temperature	Expected life
	[V]	[V]	[A]	[W]	[min ⁻¹]	[m³/min]	[CFM]	[Pa]	[inchH20]	[dB (A)]	[°C]	[h]
9WF1224H101	24	20.4 to 27.6	0.32	7.68	3100	3.34	118	100	0.4	46	-20 to +70	40000/60°C

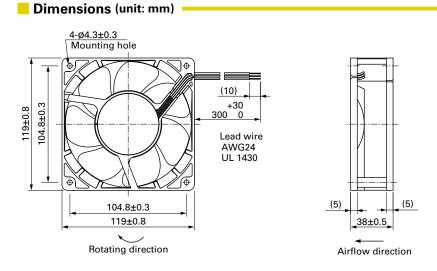
Other sensor specifications are available as options. Refer to the index (p. 558).

Airflow - Static Pressure Characteristics

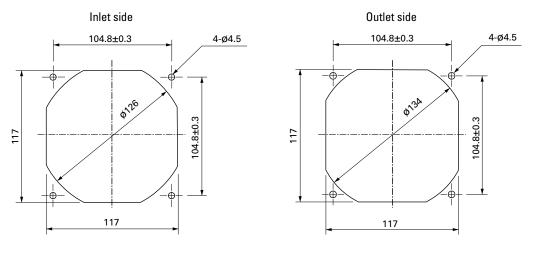
9WF1224H101 With pulse sensor

Operating voltage range





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



Options

Finger guards

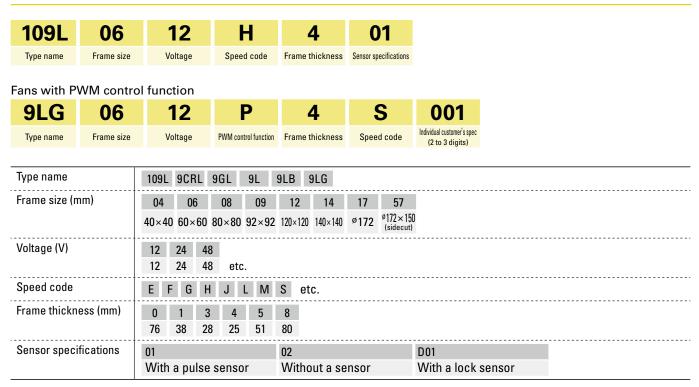


Model no.: 109-019C, 109-019H, 109-019E, 109-019K

Long Life Fan

Cooling fan with Max. 200,000 hours of expected life. Related product: Splash Proof Fan pp. 268, 271, 277, 286

Model Numbering System Not every combination of the following codes or characters is available. Contact us for an available combination.



How to Read Specifications (DC fan)

Model no.	Rated voltage	Operating voltage range	Rated current	Rated input	Rated speed	Max. airflow		Max. static pressure		SPL	Operating temperature	Expected life
	[V]	[V]	[A]	[W]	[min ⁻¹]	[m³/min]	[CFM]	[Pa]	[inchH ₂ 0]	[dB (A)]	[°C]	[h]
9GA0412G7001	12	7 to 13.8	0.17	2.04	13100	0.36	12.7	192	0.77	42	-20 to +70	40000/60°C (70000/40°C)
Rated voltage ····· Operating voltage range Rated current ····· Rated input ····· Rated speed ····· Max. airflow ·····	····· The ····· The ····· The ···· The	0 0	ver which he fan is o hen the far e fan is op	fan opera perating a n is operat erating at	ition is guara t rated voltag ing at rated v rated voltage	nteed. le (at free oltage (at (at free a	air). t free air). air).		l with our d	louble cha	mber measuri	na device).

Max. static pressure ········ The maximum static pressure value that the fan can produce during rated operation (measured with our double chamber measuring device). Static pressure indicates a fan's ability to move air against resistance due to the internal structure of the device to which the fan is installed. SPL ······· SPL stands for Sound Pressure Level. The noise level during the fan's rated operation.

Please refer to the technical material section for the measurement method.

Operating temperature The temperature range over which fan operation is guaranteed (Non- condensing).

For more information, please refer to the technical material section.