



# 120×120×38 mm

San Ace 120W 9WP type

## General Specifications

- Material ..... Frame: 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 indoor free air at 60°C, rated voltage)
- Motor protection function ..... 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 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
- Mass ..... 360 g
- Ingress protection ..... IP68

## Specifications

The models listed below **have ribs and pulse sensors**. For models without ribs, append "1" to the end of model numbers.

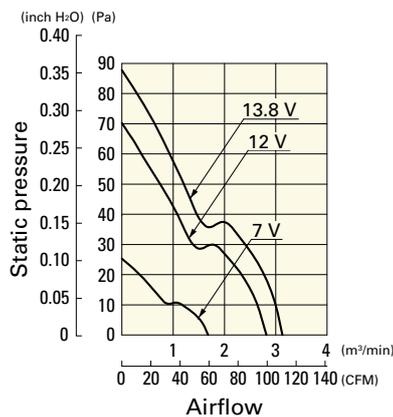
Model no.	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min <sup>-1</sup> ]	Max. airflow [m <sup>3</sup> /min] [CFM]	Max. static pressure [Pa] [inchH <sub>2</sub> O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
<b>9WP1212H101</b>	12	7.0 to 13.8	0.38	4.56	2600	2.8 99	70.4 0.283	39	-20 to +70	40000/60°C
<b>9WP1212L101</b>		10.2 to 13.8	0.14	1.68	1500	1.62 57.2	23.4 0.094	26		
<b>9WP1224H101</b>	24	14.0 to 27.6	0.22	5.28	2600	2.8 99	70.4 0.283	39		
<b>9WP1248H101</b>	48	40.8 to 55.2	0.11	5.28	2600	2.8 99	70.4 0.283	39		

Other sensor specifications are available as options. Refer to the index (p. 560).

## Airflow - Static Pressure Characteristics

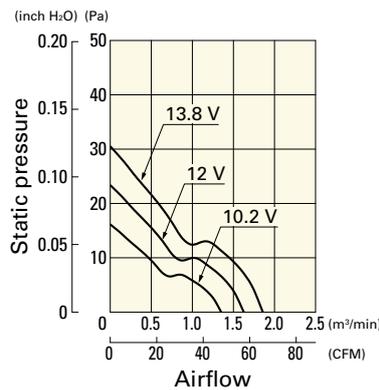
**9WP1212H101** With pulse sensor

Operating voltage range



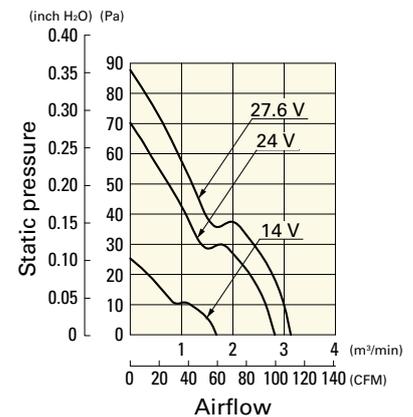
**9WP1212L101** With pulse sensor

Operating voltage range



**9WP1224H101** With pulse sensor

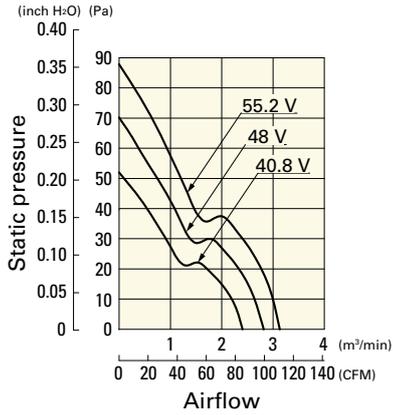
Operating voltage range



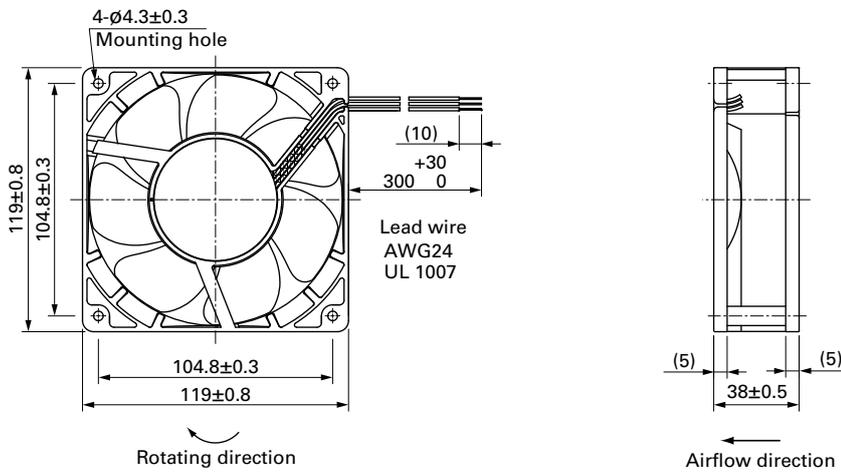
## Airflow - Static Pressure Characteristics

**9WP1248H101** With pulse sensor

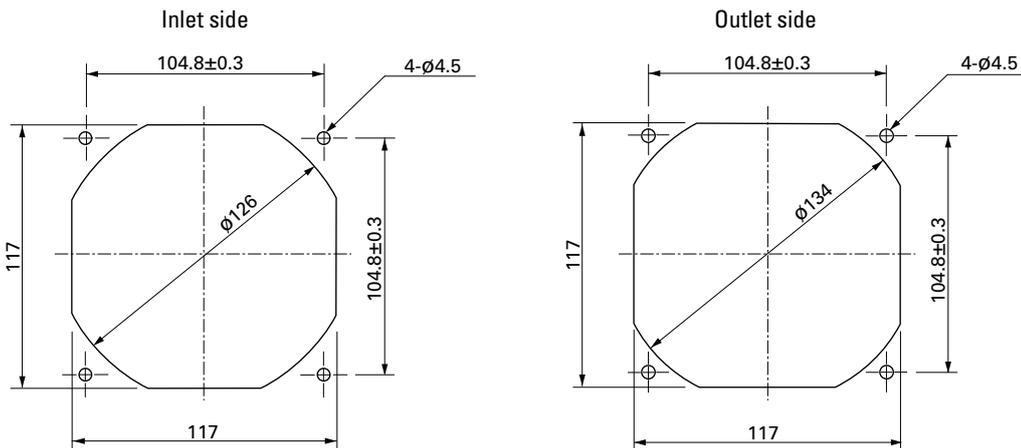
Operating voltage range



## Dimensions (unit: mm) (With ribs)



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



## Options

Finger guards

page: p. 514

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

Resin finger guards

page: p. 520

Model no.: 109-1000G

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[9WP1212H1021](#) [9WP1248H1021](#) [9WP1248H1D011](#)