DC Fan

120×120×25 mm

San Ace 120 9S type Silent Fan



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 free air at 60˚C, rated voltage) Expected life at 40°C is for reference only.
- Motor protection function ..... Locked rotor burnout protection, Reverse polarity protection For details, please refer to p. 573.
- 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 ..... 140 g

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⁻¹]	Max. airflow [m³/min]	Max. airflow [CFM]	Max. static pressure [Pa]	Max. static pressure [inchH₂O]	SPL [dB (A)]	Operating temperature [˚C]	Expected life [h]
9S1212H401	12	5.0 to 13.2	0.39	4.68	2700	2.45	86.5	45.2	0.18	36	-10 to +60	40000/60˚C (70000/40˚C)
9S1212F401		5.0 to 13.8	0.19	2.28	2200	2.0	70.6	30.0	0.12	30	-10 to +70	
9S1212M401		6.0 to 13.8	0.13	1.56	1850	1.66	58.6	22.7	0.09	24		
9S1212L401		7.0 to 13.8	0.08	0.96	1500	1.36	48.1	14.9	0.06	17		
9S1224M401	24	14 to 26.4	0.06	1.44	1850	1.66	58.6	22.7	0.09	24		

The following sensor and control options are available for selection.

Available for all models. Without sensor

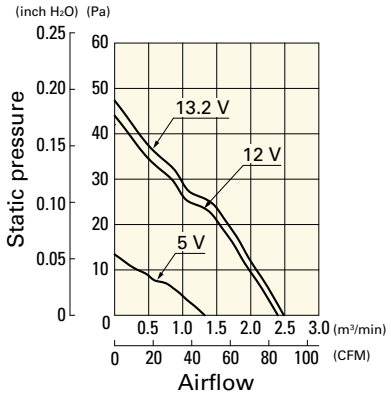
Differs according to the model. Refer to the table on p. 610. Lock sensor PWM control

The » mark indicates Short Lead Time Service applicable models. See p. 626 for details.

Airflow - Static Pressure Characteristics

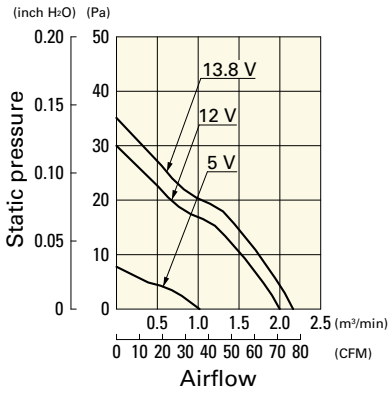
9S1212H401 With pulse sensor

Operating voltage range



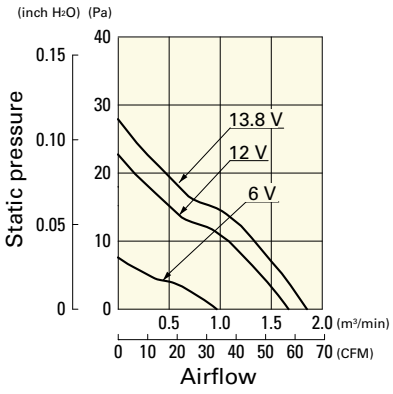
9S1212F401 With pulse sensor

Operating voltage range



9S1212M401 With pulse sensor

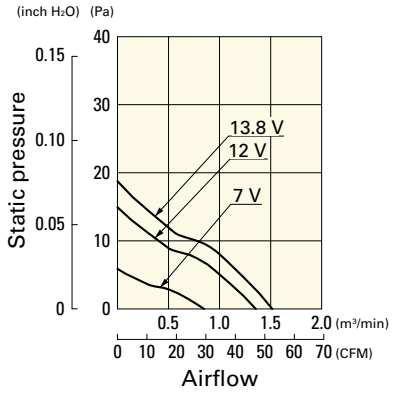
Operating voltage range



Airflow - Static Pressure Characteristics

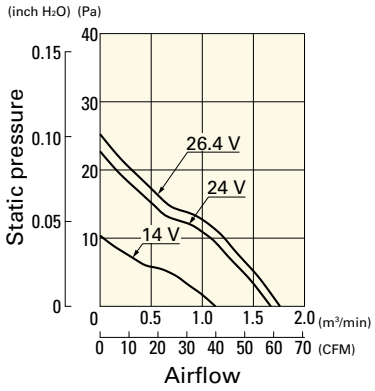
9S1212L401 With pulse sensor

Operating voltage range

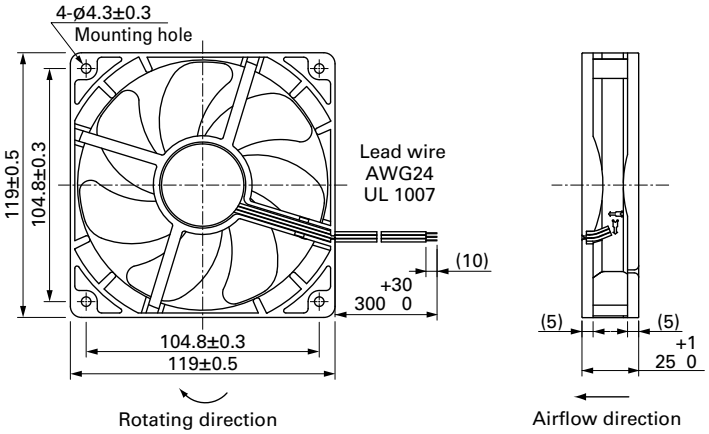


9S1224M401 With pulse sensor

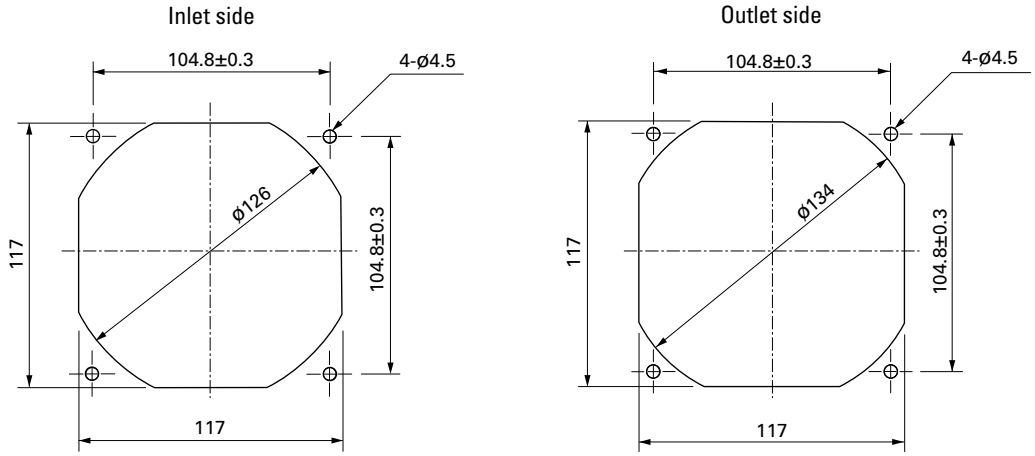
Operating voltage range



Dimensions (unit: mm) (With ribs)



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



Options

Finger guards page: p. 559

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

Resin finger guards page: p. 565

Model no.: 109-1000G

Resin filter kits page: p. 566

Model no.: 109-1000F13 (13PPI), 109-1000F20 (20PPI),
109-1000F30 (30PPI), 109-1000F40 (40PPI)