

DC Fan

120×120×25 mm

San Ace 120 9S type Silent Fan  US



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 [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
» 9S1212H408	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		
» 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		
» 9S1224M405	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**

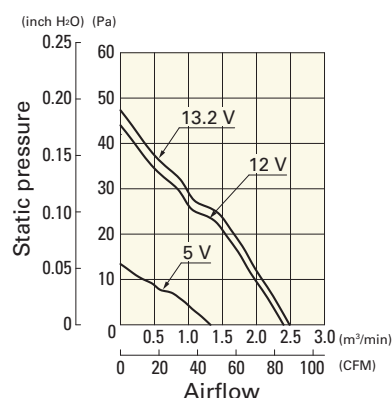
Differs according to the model. Refer to the table on p. 610. **Lock sensor** **PWM control**

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

Airflow - Static Pressure Characteristics

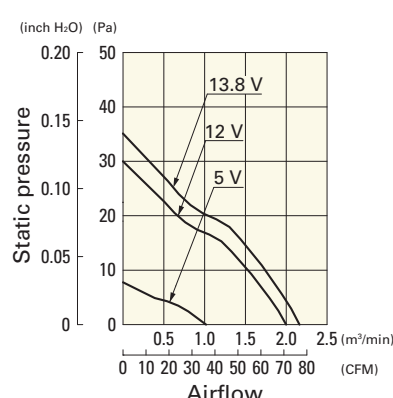
9S1212H408 With pulse sensor

Operating voltage range



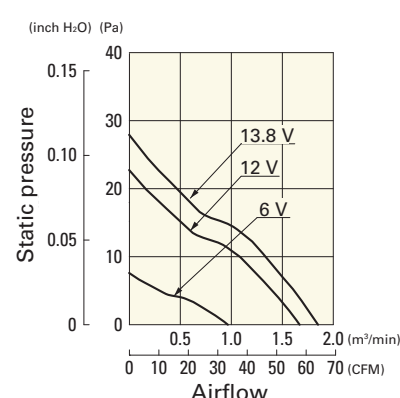
9S1212F401 With pulse sensor

Operating voltage range



9S1212M401 With pulse sensor

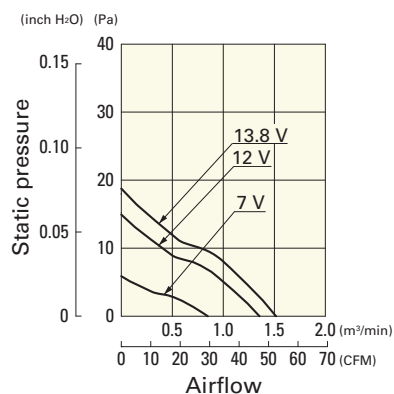
Operating voltage range



Airflow - Static Pressure Characteristics

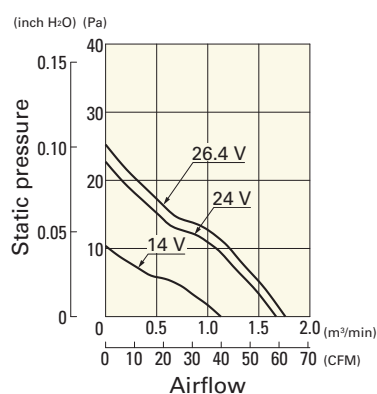
9S1212L401 With pulse sensor

Operating voltage range

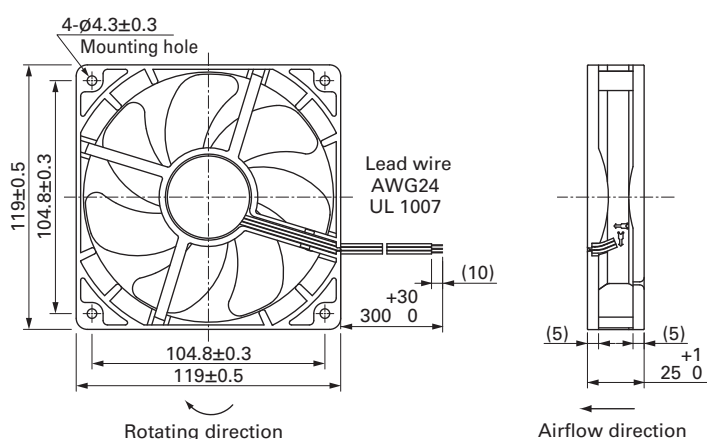


9S1224M405 With pulse sensor

Operating voltage range

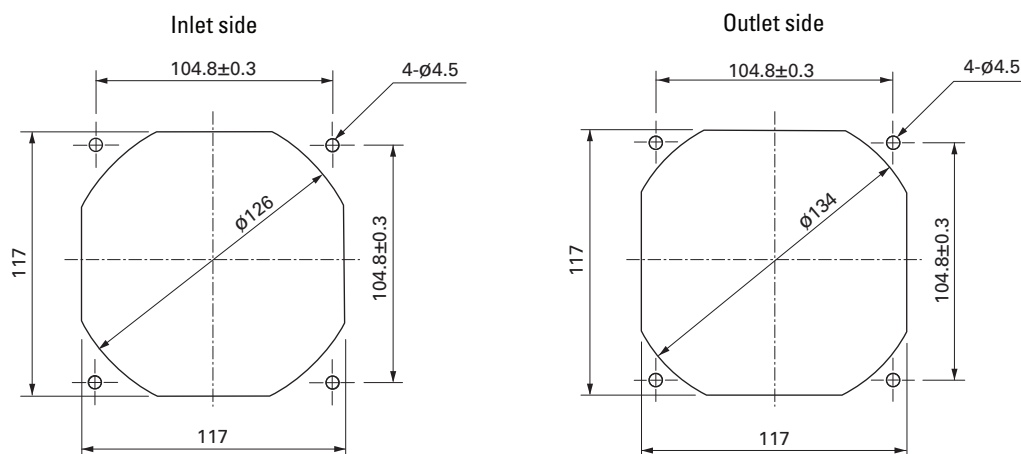


Dimensions (unit: mm) (With ribs)



Dimensions and connector details for part numbers 9S1212H408 & 9S1224M405 can be found on the following pages

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

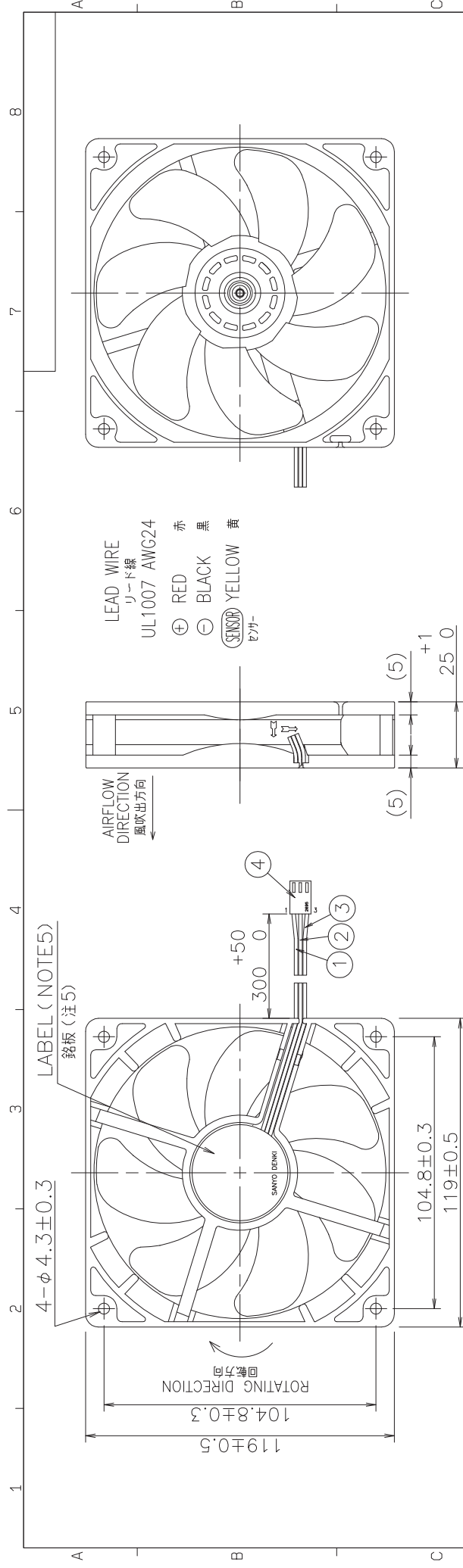
page: p. 565

Model no.: 109-1000G

Resin filter kits

page: p. 566

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



RATED VOLTAGE 定格電圧	24 V DC
OPERATING VOLTAGE 使用電圧範囲	14 V DC ~ 26.4 V DC
RATED CURRENT 定格電流	0.06 A AT 24 V DC (DC24 Vにて)
RATED SPEED 定格回転速度	1850 min ⁻¹ AT 24 V DC (NOMINAL) (DC24 Vにて) (中心値)
INSULATION RESISTANCE 絶縁抵抗	10 MΩ MIN. AT 500 V DC (NOTE2) DC500 Vメガーにて10 MΩ以上 (注2)
DIELECTRIC STRENGTH 絶縁耐圧	1 MINUTE AT 500 V AC, 50/60 Hz (NOTE2) AC50/60 Hz, 500 Vにて1分間耐えること (注2)
OPERATING TEMP. 使用温度範囲	-10 °C ~ +70 °C
SOUND PRESSURE LEVEL 音圧レベル	24 dB(A) (NOMINAL) (NOTE1) (中心値) (注1)
MASS 質量	APPROX. 140 g 約
MATERIAL 材質	FRAME,IMPELLER : PLASTICS フレーム, 羽根 : 樹脂成形品
BEARING SYSTEM 軸受	2 BALL BEARINGS ボールベアリング

NOTE: 1. THE SOUND PRESSURE LEVEL EXPRESSED AS THE VALUE AT 1 m FROM AIR INLET SIDE.
注 音圧レベルは、ファン吸込側 1 mにおける値。

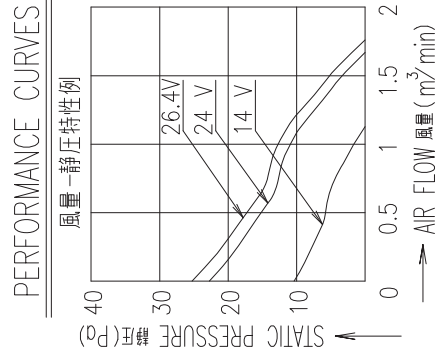
2. MEASURED BETWEEN THE LEAD WIRES AND THE FRAME.
リード線導体部とフレームとの間。

4	CONTACT コンタクト	MOLEX : 39-00-0372 (2759T) モレックス
	CONNECTOR コネクタ	MOLEX : 22-01-3037 (2695-03RP) モレックス
3	LEAD WIRE リード線	UL1007 AWG24 YELLOW PIN No.3 黄
2	LEAD WIRE リード線	UL1007 AWG24 RED PIN No.2 赤
1	LEAD WIRE リード線	UL1007 AWG24 BLACK PIN No.1 黒
No. 番号	PARTS 名称	REMARKS 備考

3. MOTOR IS PROTECTED FROM DAMAGE OF LOCKED ROTOR CONDITION AT THE OPERATING VOLTAGE. ファン拘束時焼損の恐れはない。

4. FOR SENSOR SPEC., SEE 9D0001H195 センサ仕様は、9D0001H195による。

5. PRINT PRODUCT NAME, MODEL No., MANUFACTURER, AND MANUFACTURED DATE ETC.
品名、型名、製造会社名 及び 製造年月日等を表示する。

[illegible]