


DC Fan

# Ø 172x150x51 mm

**San Ace 172 9E** type   

Sidecut type



## General Specifications

- Material ..... Frame: Aluminum, 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 or Blue Sensor Yellow
- Mass ..... 760 g

## Specifications

The models listed below **have pulse sensors**.

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]
» 109E5712K501	12	10.2 to 13.8	2.9	34.8	4100	8.5 300	243.0 0.976	60	-20 to +60	40000/60°C (70000/40°C)
» 109E5712Y501			2.3	27.6	3800	8 282	210 0.84	60		
» 109E5712H501			1.2	14.4	3050	6.4 226	137.2 0.551	52		
» 109E5712F501			0.68	8.16	2500	5.1 180	95 0.38	47		
» 109E5712M501			0.48	5.76	2000	4.2 148	67.6 0.271	41		
» 109E5724C501	24	20.4 to 27.6	2.3	55.2	4800	9.9 350	308.0 1.237	66	-20 to +70	
» 109E5724K501			1.3	31.2	4100	8.5 300	243.0 0.976	60		
» 109E5724H501			0.58	13.92	3050	6.4 226	137.2 0.551	52		
» 109E5724F501			0.35	8.4	2500	5.1 180	95 0.38	47		
» 109E5724M501			0.2	4.8	2000	4.2 148	67.6 0.271	41		
» 109E5748C501	48	40.8 to 55.2	1.2	57.6	4800	9.9 350	308.0 1.237	66	-20 to +60	
» 109E5748K501			0.7	33.6	4100	8.5 300	243.0 0.976	60		
» 109E5748H501			0.28	13.44	3050	6.4 226	137.2 0.551	52		
» 109E5748F501			0.19	9.12	2500	5.1 180	95 0.38	47		
» 109E5748M501			0.11	5.28	2000	4.2 148	67.6 0.271	41		

The following sensor and control options are available for selection.

Available for all models. Without sensor

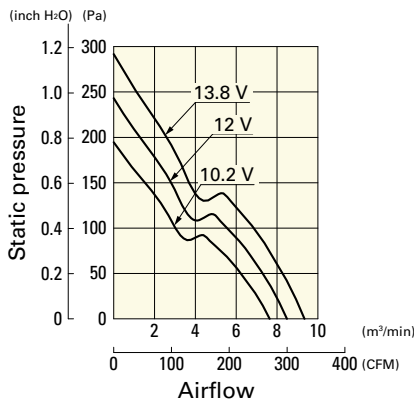
Differs according to the model. Refer to the table on p. 595. Lock sensor PWM control

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

## Airflow - Static Pressure Characteristics

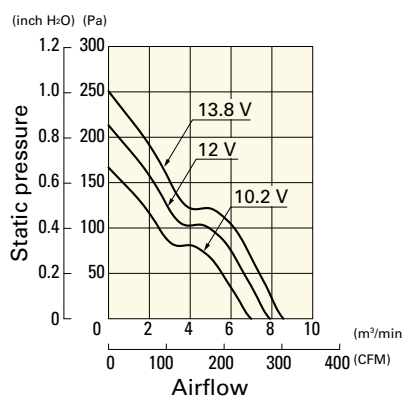
**109E5712K501** With pulse sensor

Operating voltage range



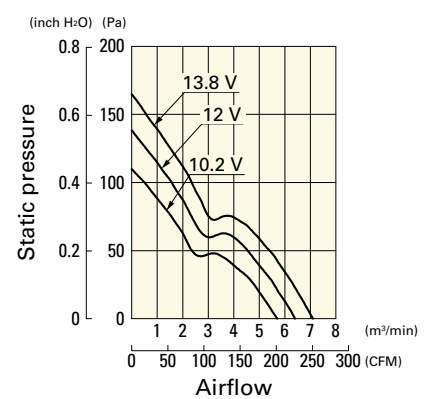
**109E5712Y501** With pulse sensor

Operating voltage range



**109E5712H501** With pulse sensor

Operating voltage range

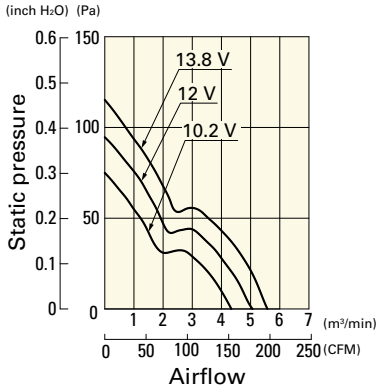


# Airflow - Static Pressure Characteristics

DC Fan  $\varnothing$ 172 mm

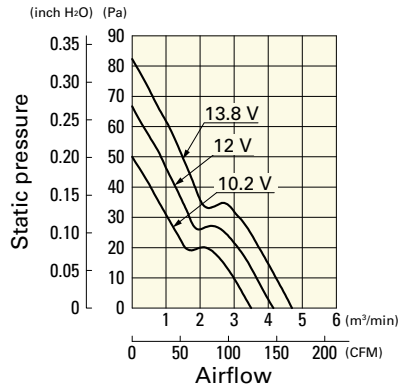
**109E5712F501** With pulse sensor

Operating voltage range



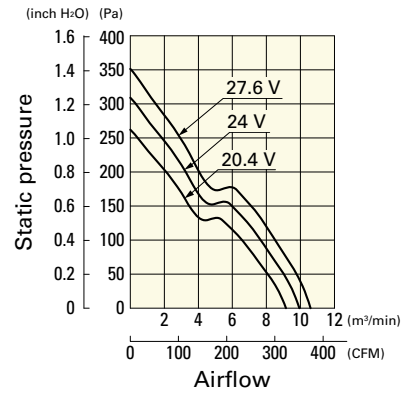
**109E5712M501** With pulse sensor

Operating voltage range



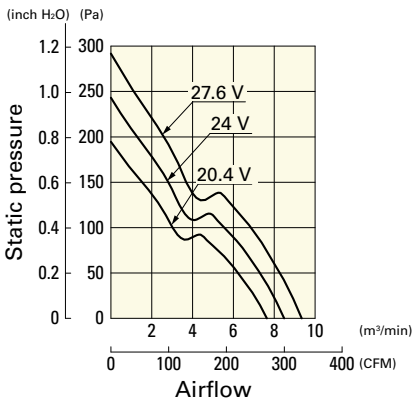
**109E5724C501** With pulse sensor

Operating voltage range



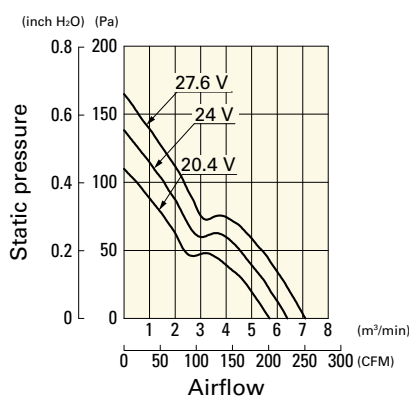
**109E5724K501** With pulse sensor

Operating voltage range



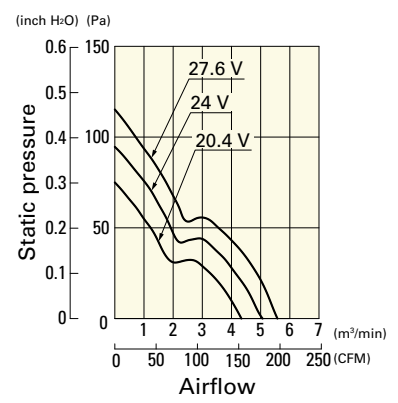
**109E5724H501** With pulse sensor

Operating voltage range



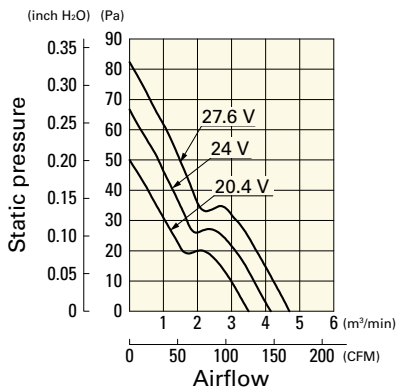
**109E5724F501** With pulse sensor

Operating voltage range



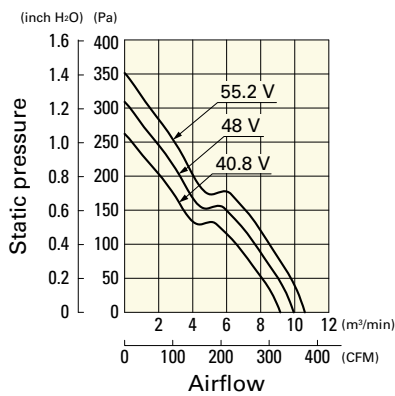
**109E5724M501** With pulse sensor

Operating voltage range



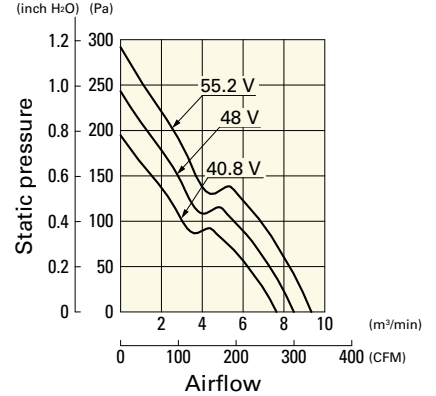
**109E5748C501** With pulse sensor

Operating voltage range



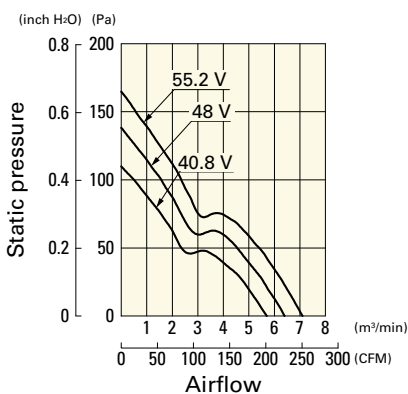
**109E5748K501** With pulse sensor

Operating voltage range



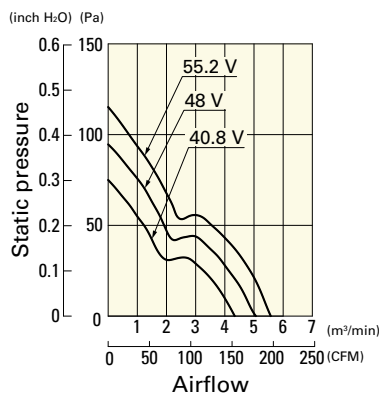
**109E5748H501** With pulse sensor

Operating voltage range



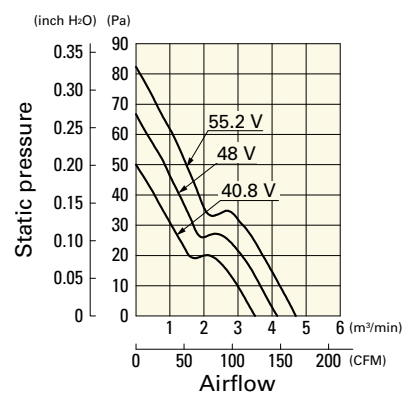
**109E5748F501** With pulse sensor

Operating voltage range

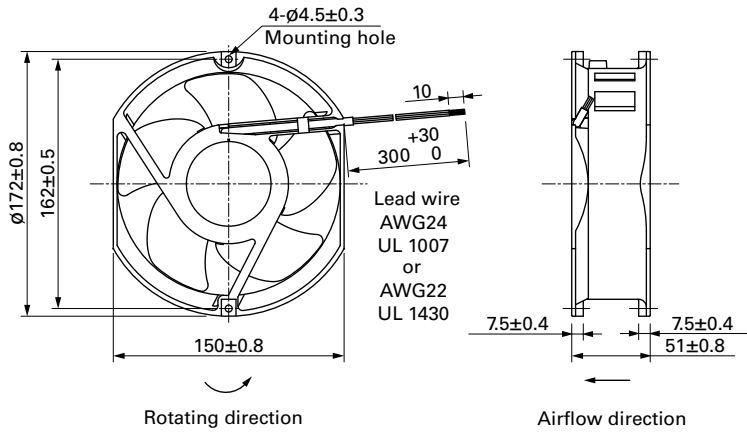


**109E5748M501** With pulse sensor

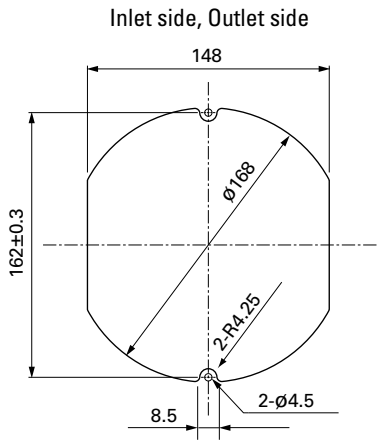
Operating voltage range



**Dimensions (unit: mm)**



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



**Options**

Finger guards

page: p. 560

Model no.: 109-319E, 109-319H, 109-320