

DC Fan Motors

# Long Life Fan 60mm

## SAN ACE 60L



**General specifications**

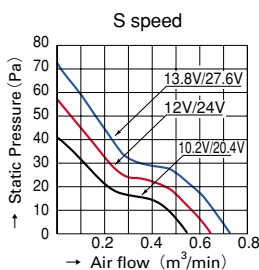
- Life expectancy .....100,000 hours, indoor environment(survival rate: 90% at 60°C, rated voltage, and continuously run in a free air state)
- Motor protection system ···Current cut system (with reverse-connection protection)
- Dielectric strength ·····50/60 Hz, 500 VAC, 1 minute  
(between lead conductor and frame)
- Operating thermally range -10°C to +70°C (non-condensing)
- Fan power lead ·······G,S,H,F speeds, ⊕ red, ⊖ black  
M speed, ⊕ red, ⊖ blue

## 25mm thick

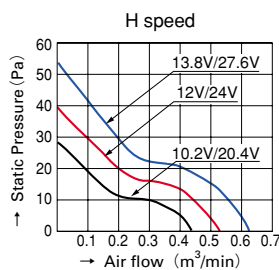
### Specifications

Model No	Rated voltage (V)	Operating voltage range (V)	Rated current (A)	Rated input (W)	Rated rotating speed (min <sup>-1</sup> )	Air flow (m <sup>3</sup> /min)	(CFM)	Static pressure (Pa)	Noise (dB[A])	Mass (g)
<b>109L0612S402</b>	12	10.2~13.8	0.17	2.04	4,600	0.65	23.0	57.3	33	100
<b>109L0612H402</b>			0.11	1.32	3,800	0.53	18.7	40.2	28	
<b>109L0612F402</b>			0.09	1.08	3,200	0.44	15.5	29.4	24	
<b>109L0612M402</b>			0.06	0.72	2,600	0.36	12.7	19.6	20	
<b>109L0624S402</b>			0.08	1.92	4,600	0.65	23.0	57.3	33	
<b>109L0624H402</b>			0.06	1.44	3,800	0.53	18.7	40.2	28	
<b>109L0624F402</b>	24	20.4~27.6	0.05	1.20	3,200	0.44	15.5	29.4	24	
<b>109L0624M402</b>			0.04	0.96	2,600	0.36	12.7	19.6	20	
<b>109L0648G401</b>			0.07	3.36	5,600	0.78	27.6	87.2	39	
<b>109L0648H402</b>	48	40.8~55.2	0.04	1.92	3,800	0.53	18.7	40.2	28	

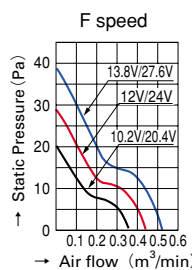
### Typical air flow and static pressure characteristics



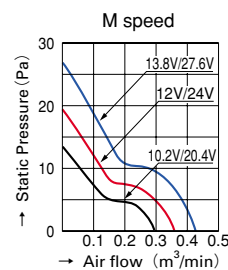
**109L0612S402**  
**109L0624S402**



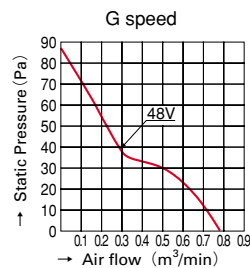
**109L0612H402**  
**109L0624H402**



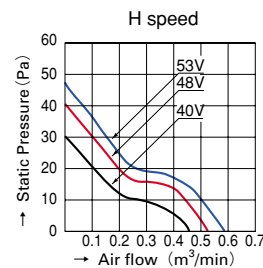
**109L0612F402**  
**109L0624F402**



**109L0612M402**  
**109L0624M402**



**109L0648G401**

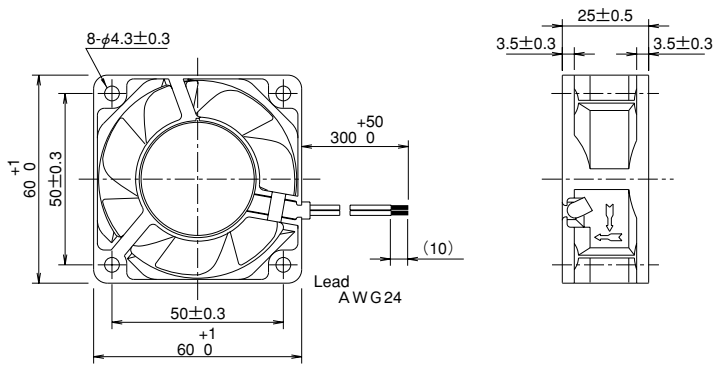


**109L0648H402**

Long Life Fans

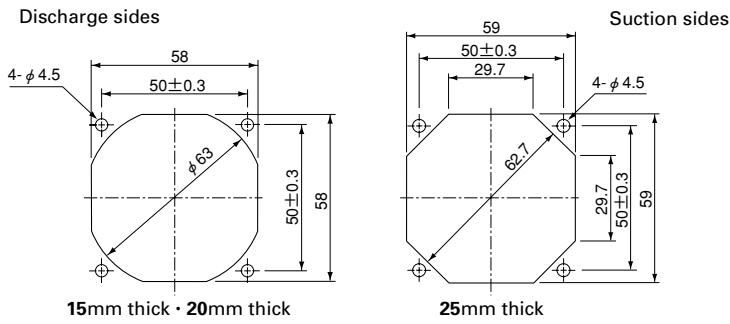
60mm

**Dimensions (unit : mm)**



Long Life Fans

**Reference dimensional diagram for installation holes (unit : mm)**



60mm

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