

DC Fan

60×60×25 mm

San Ace 60 9R 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 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. 599.
- 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 90 g

Specifications

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

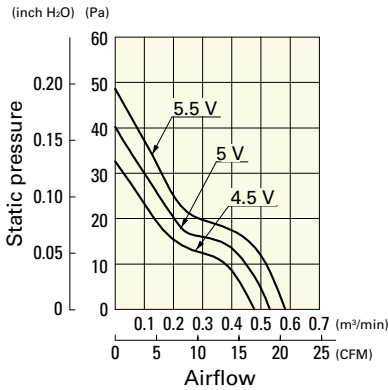
	Model no.	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m³/min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
»	109R0605H401	5	4.5 to 5.5	0.34	1.7	3800	0.53	18.7	40.2	0.161	28	-20 to +70	60000/60°C (90000/40°C)
»	109R0605F401			0.2	1.0	3200	0.44	15.5	29.4	0.118	24	-20 to +60	
»	109R0605M401			0.13	0.65	2600	0.36	12.7	19.6	0.079	20	-20 to +70	
»	109R0612J401	12	10.8 to 13.2	0.47	5.64	7600	1.06	37.1	155.0	0.622	44	-20 to +60	40000/60°C (70000/40°C)
»	109R0612G401			0.24	2.88	5600	0.78	27.5	87.3	0.351	39	-20 to +70	
»	109R0612D401		10.2 to 13.8	0.21	2.52	5150	0.72	25.4	73.5	0.295	37		
»	109R0612S401			6 to 13.8	0.17	2.04	4600	0.65	23.0	56.8	0.228		33
»	109R0612H401		0.11		1.32	3800	0.53	18.7	40.1	0.161	28		
»	109R0612F401		0.09		1.08	3200	0.44	15.5	29.4	0.118	24		
»	109R0612M401		7 to 13.8	0.06	0.72	2600	0.36	12.7	19.6	0.079	20		
»	109R0624J401			21.6 to 26.4	0.24	5.76	7600	1.06	37.1	155.0	0.622	44	-20 to +60
»	109R0624G401	24	20.4 to 27.6	0.13	3.12	5600	0.78	27.5	87.3	0.351	39	-20 to +70	
»	109R0624D401			12 to 27.6	0.12	2.88	5150	0.72	25.4	73.5	0.295		37
»	109R0624S401		0.08		1.92	4600	0.65	23.0	56.8	0.228	33		
»	109R0624H401		0.06		1.44	3800	0.53	18.7	40.2	0.161	28		
»	109R0624F401		0.05		1.2	3200	0.44	15.5	29.4	0.118	24		
»	109R0624M401		14 to 27.6	0.04	0.96	2600	0.36	12.7	19.6	0.079	20		
»	109R0648J401	48	43.2 to 52.8	0.12	5.76	7600	1.06	37.1	155.0	0.622	44	-20 to +60	40000/60°C (70000/40°C)
»	109R0648G401		43 to 53	0.07	3.36	5600	0.78	27.5	87.3	0.351	39		
»	109R0648H401		40 to 53	0.04	1.92	3800	0.53	18.7	40.2	0.161	28	-20 to +70	

Note 1: Sensor and control options are available for selection. Refer to the table on pp. 622 to 623.

Note 2: The » mark indicates Short LeadTime Service applicable models. See p. 654 for details.

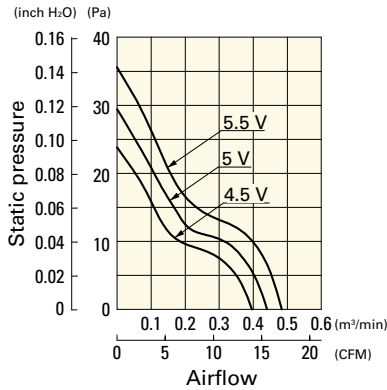
109R0605H401 With pulse sensor

Operating voltage range



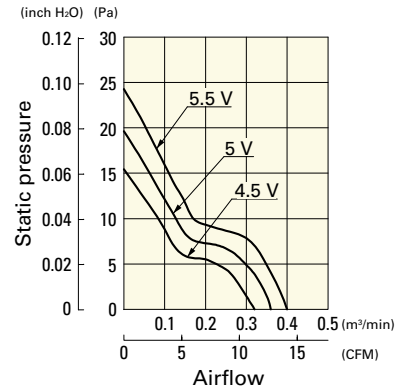
109R0605F401 With pulse sensor

Operating voltage range



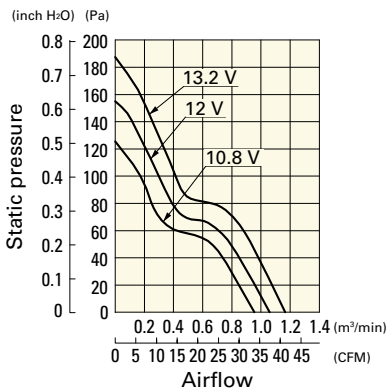
109R0605M401 With pulse sensor

Operating voltage range



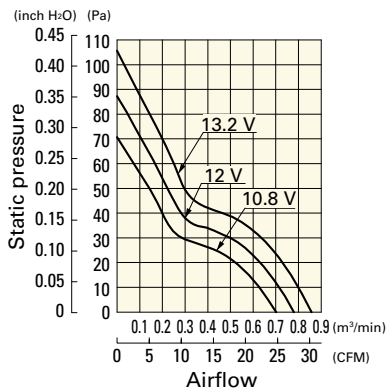
109R0612J401 With pulse sensor

Operating voltage range



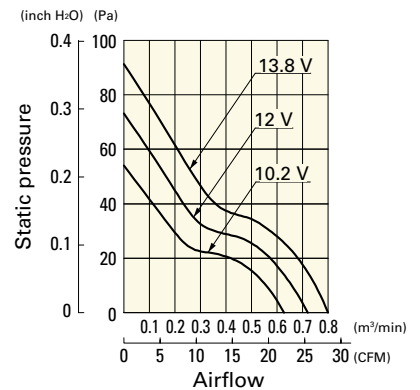
109R0612G401 With pulse sensor

Operating voltage range



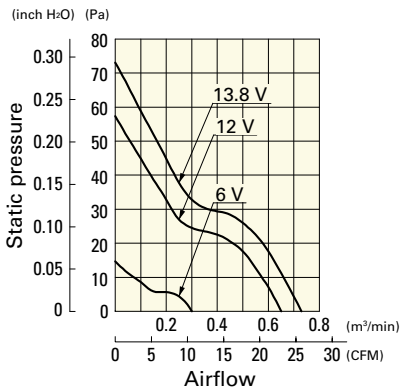
109R0612D401 With pulse sensor

Operating voltage range



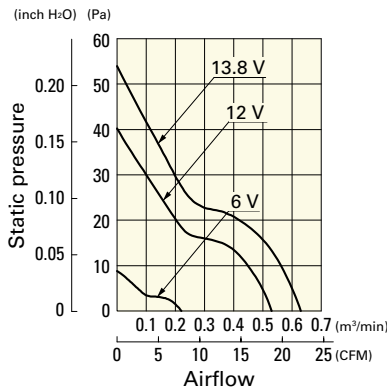
109R0612S401 With pulse sensor

Operating voltage range



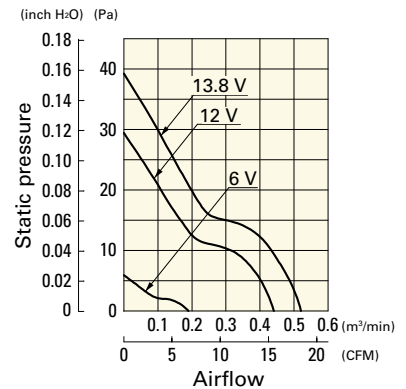
109R0612H401 With pulse sensor

Operating voltage range



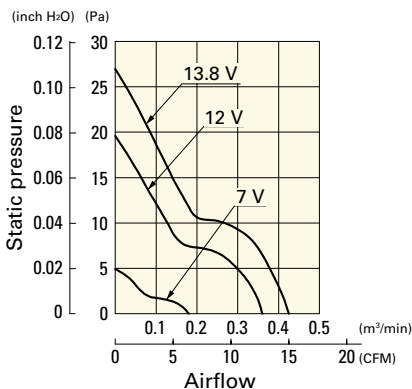
109R0612F401 With pulse sensor

Operating voltage range



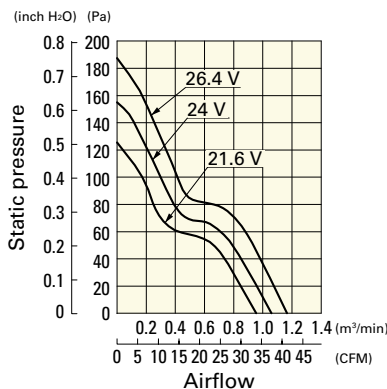
109R0612M401 With pulse sensor

Operating voltage range



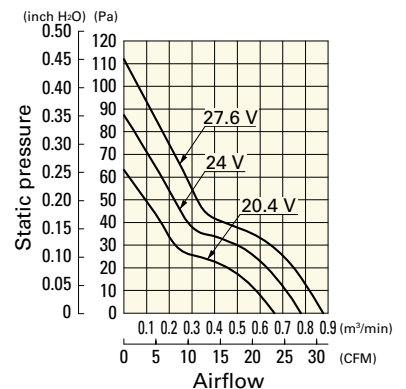
109R0624J401 With pulse sensor

Operating voltage range



109R0624G401 With pulse sensor

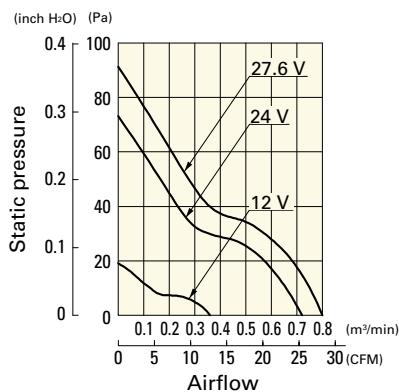
Operating voltage range



Airflow - Static Pressure Characteristics

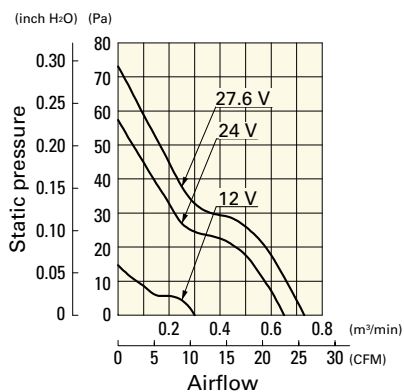
109R0624D401 With pulse sensor

Operating voltage range



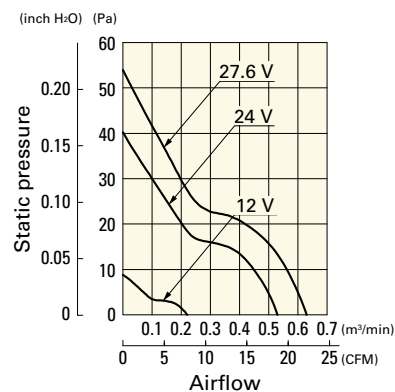
109R0624S401 With pulse sensor

Operating voltage range



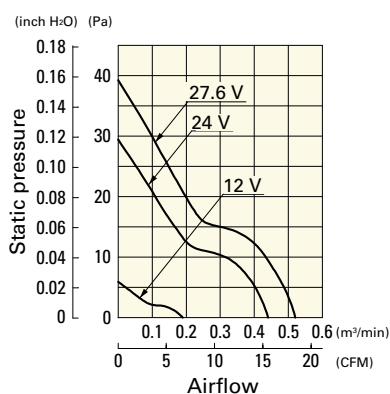
109R0624H401 With pulse sensor

Operating voltage range



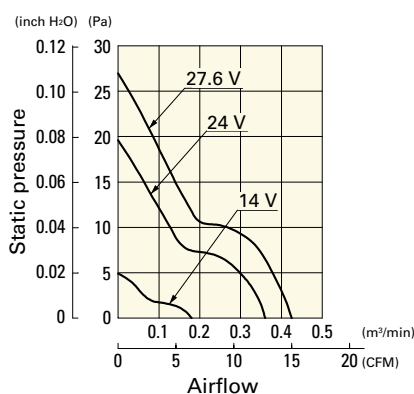
109R0624F401 With pulse sensor

Operating voltage range



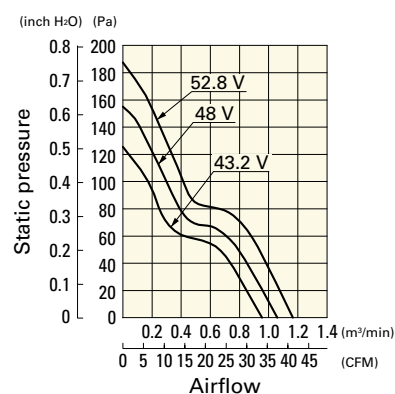
109R0624M401 With pulse sensor

Operating voltage range



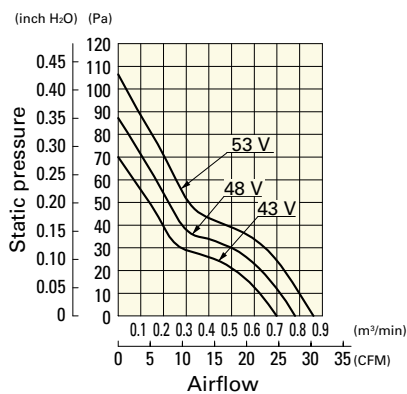
109R0648J401 With pulse sensor

Operating voltage range



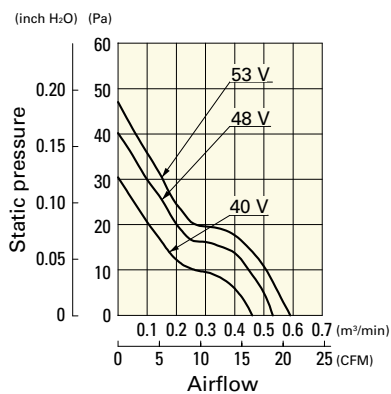
109R0648G401 With pulse sensor

Operating voltage range

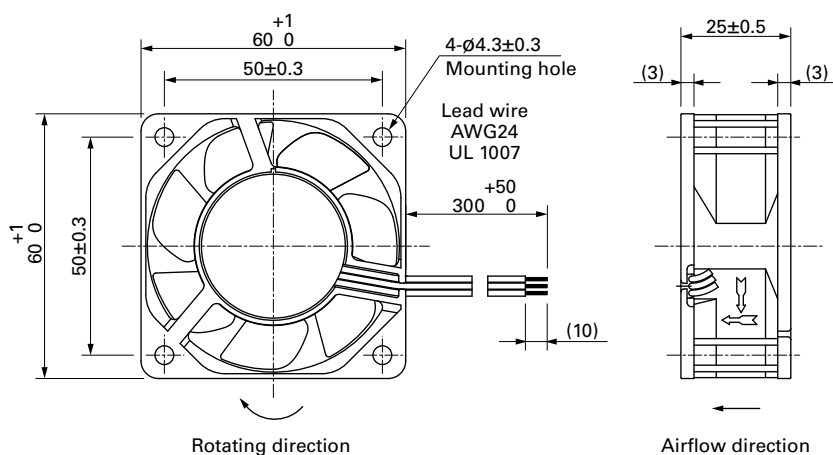


109R0648H401 With pulse sensor

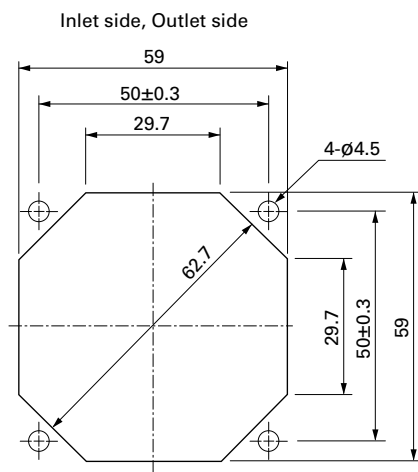
Operating voltage range



Dimensions (unit: mm) (With ribs)



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



Options

Finger guards

page: p. 584

Model no.: 109-139E, 109-139H

Resin finger guards

page: p. 591

Model no.: 109-1003G

Resin filter kits

page: p. 592

Model no.: 109-1003F13 (13PPI), 109-1003F20 (20PPI),
109-1003F30 (30PPI), 109-1003F40 (40PPI)