

DC Fan

40x40x20 mm



San Ace 40 9P_{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 45 g

Specifications

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

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]
▶▶▶ 109P0405J601	5	4.5 to 5.5	0.46	2.3	9800	0.28 9.9	98.5 0.396	39	-20 to +70	40000/60°C (70000/40°C)
▶▶▶ 109P0405H601			0.32	1.6	8000	0.225 8.0	65.7 0.264	33		
▶▶▶ 109P0405F601			0.25	1.25	6500	0.183 6.5	45.1 0.181	28		
▶▶▶ 109P0405M601			0.12	0.6	5000	0.136 4.8	26.5 0.106	24		
▶▶▶ 109P0412G601	12	7 to 13.8	0.28	3.36	12500	0.35 12.4	153.8 0.618	44	-20 to +60	40000/60°C (70000/40°C)
▶▶▶ 109P0412D601			0.18	2.16	11000	0.31 10.9	124 0.498	42		
▶▶▶ 109P0412E601			0.13	1.56	9200	0.26 9.2	87.3 0.351	37		
▶▶▶ 109P0412H601			0.11	1.32	8000	0.225 8.0	65.7 0.264	33		
▶▶▶ 109P0412F601			0.09	1.08	6500	0.183 6.5	45.1 0.181	28		
▶▶▶ 109P0412M601		0.06	0.72	5000	0.136 4.8	26.5 0.106	24			
▶▶▶ 109P0424G601	24	12 to 27.6	0.15	3.6	12500	0.35 12.4	153.8 0.618	44	-20 to +60	40000/60°C (70000/40°C)
▶▶▶ 109P0424D601			0.13	3.12	11000	0.31 10.9	124 0.498	42		
▶▶▶ 109P0424H601			0.07	1.68	8300	0.233 8.2	69.6 0.28	35		
▶▶▶ 109P0424F601		0.06	1.44	6500	0.183 6.5	45.1 0.181	28			
▶▶▶ 109P0424B601		0.06	1.44	5200	0.14 4.9	28.3 0.114	25			

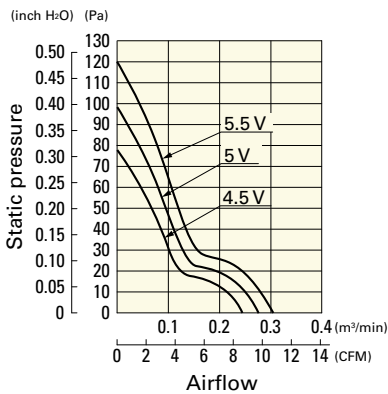
Note 1: Sensor and control options are available for selection. Refer to the table on pp. 621 to 622.

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

Airflow - Static Pressure Characteristics

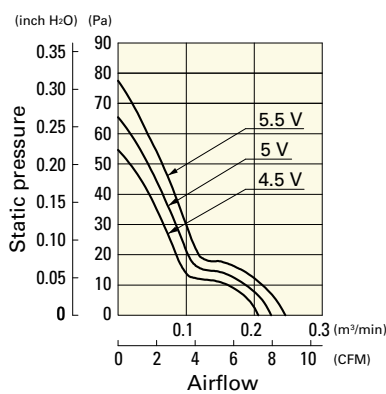
109P0405J601 With pulse sensor

Operating voltage range



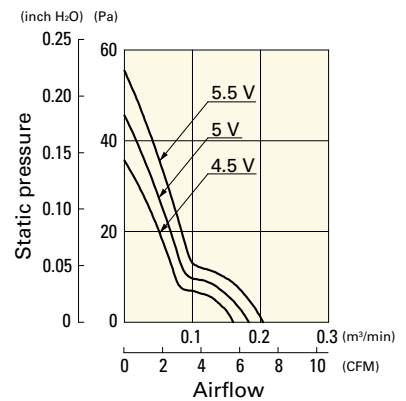
109P0405H601 With pulse sensor

Operating voltage range



109P0405F601 With pulse sensor

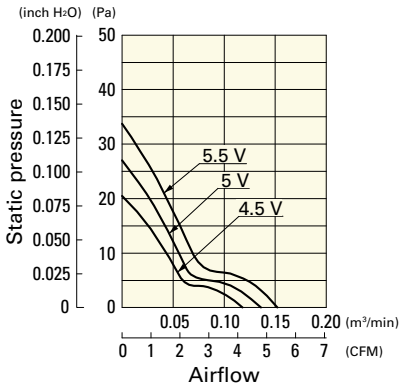
Operating voltage range



Airflow - Static Pressure Characteristics

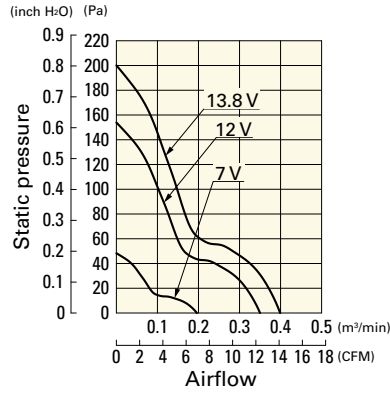
109P0405M601 With pulse sensor

Operating voltage range



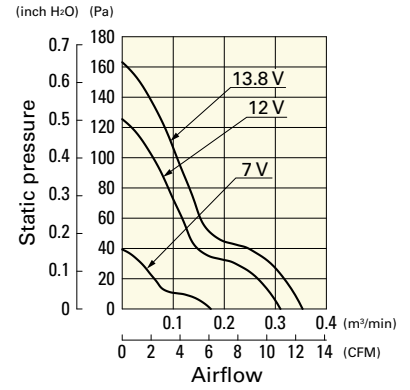
109P0412G601 With pulse sensor

Operating voltage range



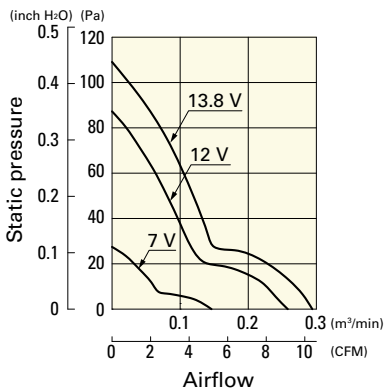
109P0412D601 With pulse sensor

Operating voltage range



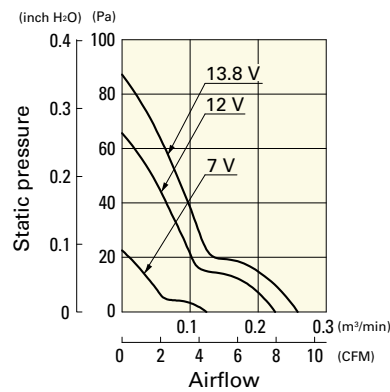
109P0412E601 With pulse sensor

Operating voltage range



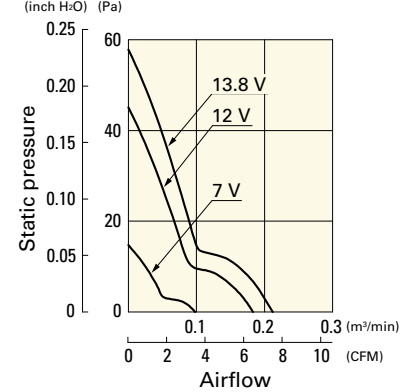
109P0412H601 With pulse sensor

Operating voltage range



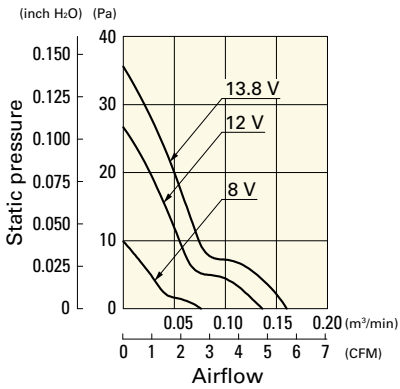
109P0412F601 With pulse sensor

Operating voltage range



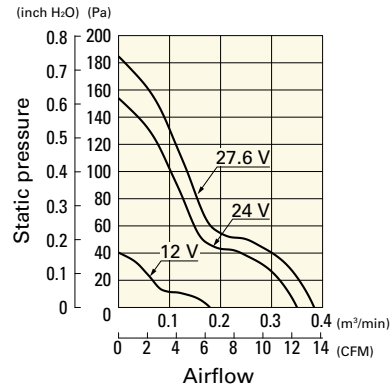
109P0412M601 With pulse sensor

Operating voltage range



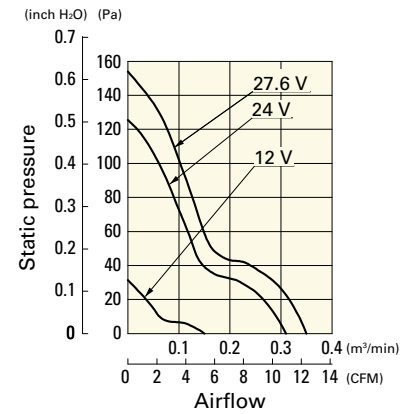
109P0424G601 With pulse sensor

Operating voltage range



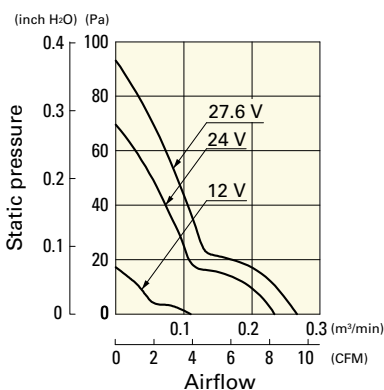
109P0424D601 With pulse sensor

Operating voltage range



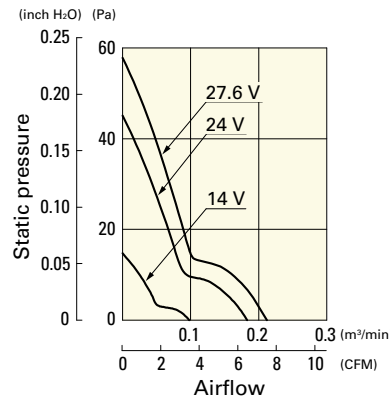
109P0424H601 With pulse sensor

Operating voltage range



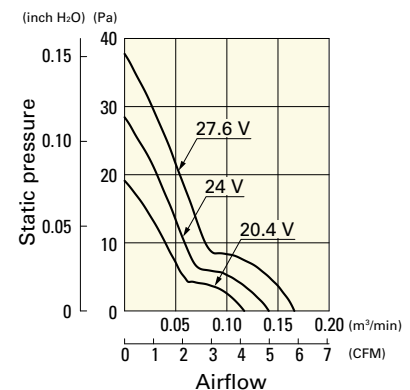
109P0424F601 With pulse sensor

Operating voltage range

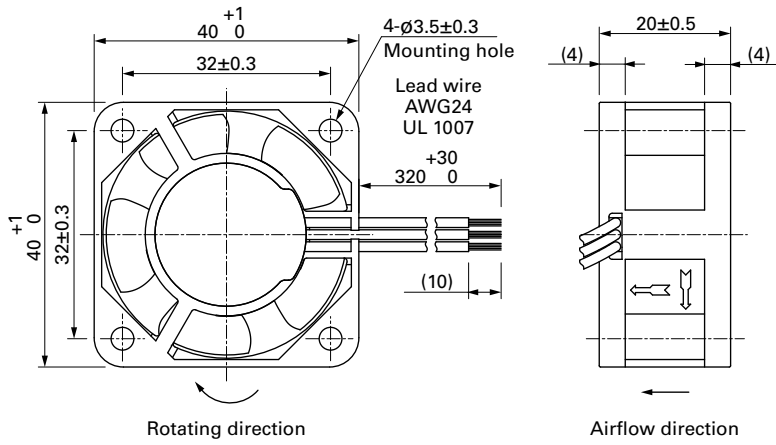


109P0424B601 With pulse sensor

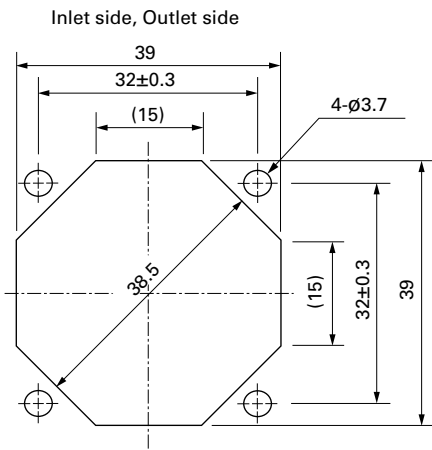
Operating voltage range



Dimensions (unit: mm)



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



Options

Finger guards

page: p. 584

Model no.: 109-059, 109-059H