

40×40×28 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 52 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]
» 109P0405H3013	5	4.5 to 5.5	0.68	3.4	8700	0.32 11.3	102.9 0.414	37	-20 to +70	40000/60°C (70000/40°C)
» 109P0405F3013			0.28	1.4	6700	0.244 8.6	58.8 0.236	30		60000/60°C (90000/40°C)
» 109P0412K3013	12	8 to 13.2	0.55	6.6	15500	0.59 20.8	340 1.365	50	-20 to +60	40000/60°C (70000/40°C)
» 109P0412J3013		7 to 13.2	0.35	4.2	12500	0.46 16.2	210 0.843	44		
» 109P0412G3013			0.31	3.72	11500	0.42 14.8	179 0.719	42		
» 109P0412B3013		7 to 13.8	0.28	3.36	10300	0.38 13.4	143 0.574	40	-20 to +70	60000/60°C (90000/40°C)
» 109P0412H3013			0.195	2.34	8700	0.32 11.3	102.9 0.414	37		
» 109P0412F3013			0.105	1.26	6700	0.244 8.6	58.8 0.236	30		
» 109P0412M3013		10.2 to 13.8	0.045	0.54	4100	0.15 5.3	21.6 0.087	20		
» 109P0424R3013	24	12 to 26.4	0.25	6	14000	0.51 18.0	263.4 1.057	47	-20 to +60	40000/60°C (70000/40°C)
» 109P0424J3013			0.18	4.32	12500	0.46 16.2	210 0.843	44		
» 109P0424G3013			0.19	4.56	11500	0.42 14.8	179 0.719	42		
» 109P0424B3013			0.13	3.12	10300	0.38 13.4	143 0.574	40		
» 109P0424H3013		12 to 27.6	0.095	2.28	8700	0.32 11.3	102.9 0.414	37	-20 to +70	60000/60°C (90000/40°C)
» 109P0424F3013		14 to 27.6	0.055	1.32	6700	0.244 8.6	58.8 0.236	30		

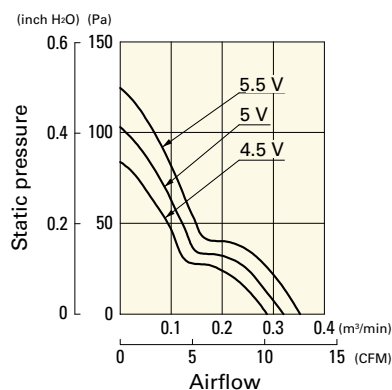
Note 1: Sensor and control options are available for selection. Refer to the table on pp. 621 to 622.

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

Airflow - Static Pressure Characteristics

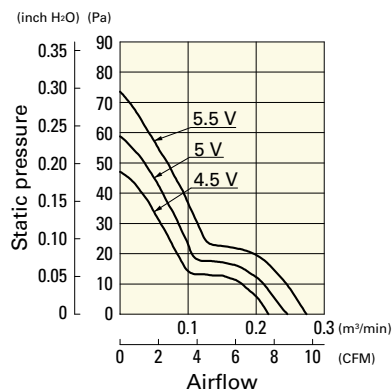
109P0405H3013 With pulse sensor

Operating voltage range



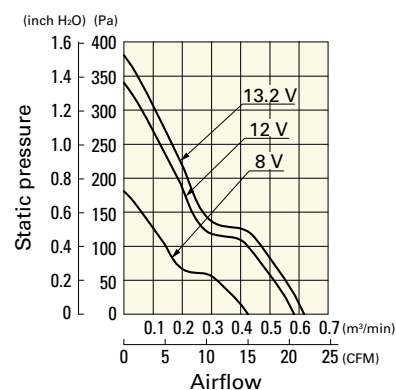
109P0405F3013 With pulse sensor

Operating voltage range

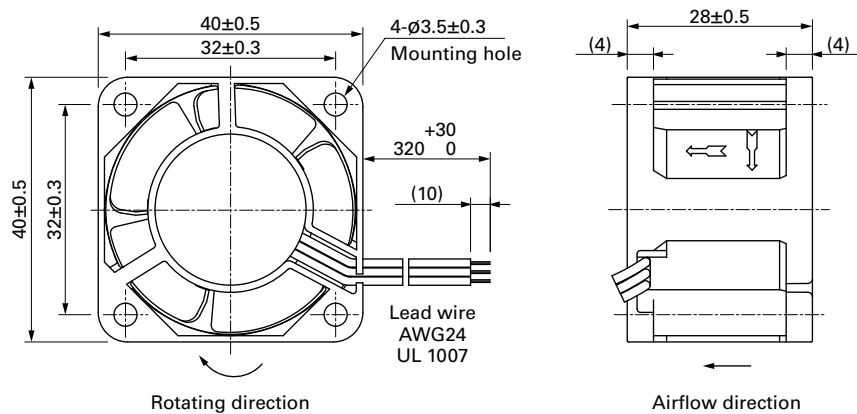


109P0412K3013 With pulse sensor

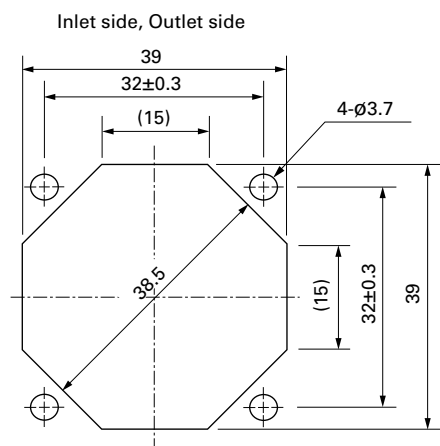
Operating voltage range



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