

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	-20 to +70	60000/60°C (90000/40°C)
» 109P0424H3013		12 to 27.6	0.095	2.28	8700	0.32 11.3	102.9 0.414	37		
» 109P0424F3013		14 to 27.6	0.055	1.32	6700	0.244 8.6	58.8 0.236	30		

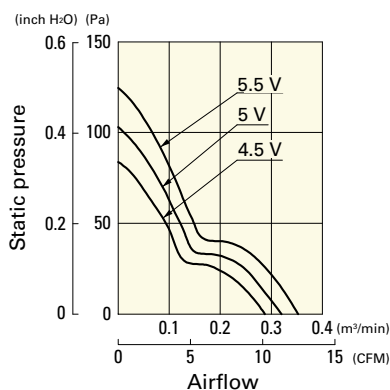
Note 1: Sensor and control options are available for selection. Refer to the table on pp. 621 to 622.

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

Airflow - Static Pressure Characteristics

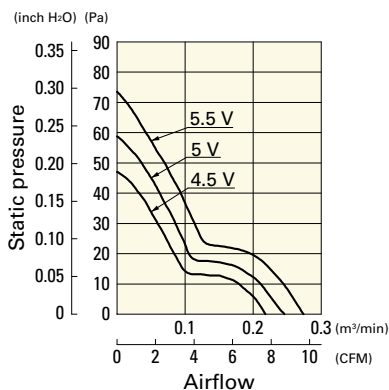
109P0405H3013 With pulse sensor

Operating voltage range



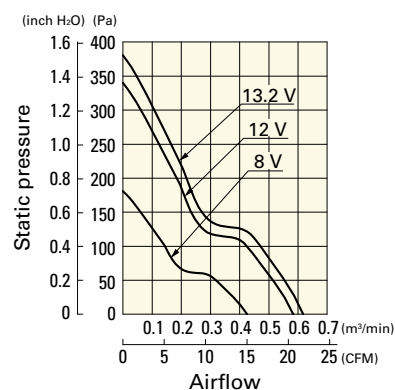
109P0405F3013 With pulse sensor

Operating voltage range

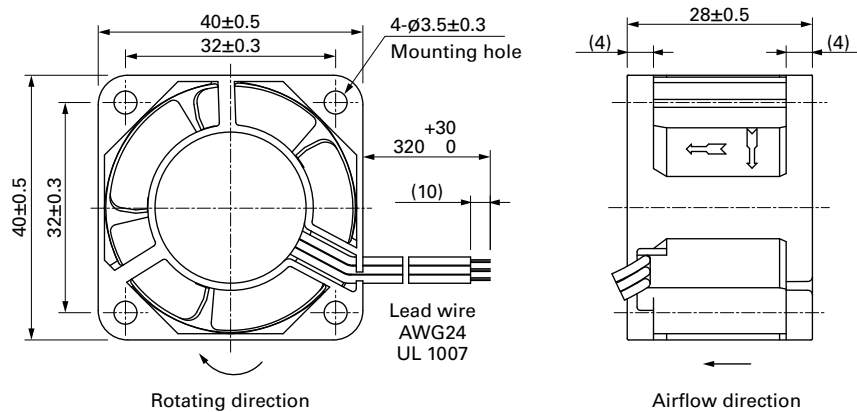


109P0412K3013 With pulse sensor

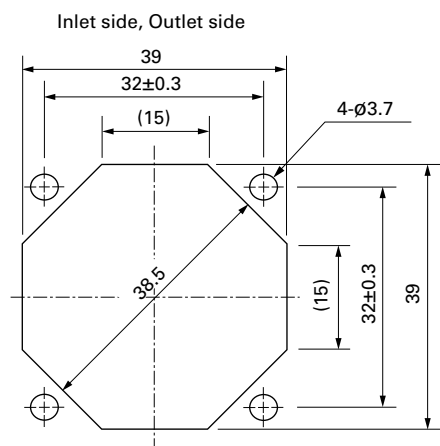
Operating voltage range



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

Models listed in product pages	List of models (Below are optional models and not listed in product pages. Standard compliance of these optional models may differ from that of the models listed in product pages. Contact us for details of "—" models.)				Frame size	Rib	page
	Without sensor	With pulse sensor	With lock sensor	With PWM control function and pulse sensor			
109P0424G3013	» 109P0424G3023	» 109P0424G3013	109P0424G3D013	—	40 × 40 × 28 mm	Yes	53
109P0424G601	109P0424G602	» 109P0424G601	109P0424G6D01	—	40 × 40 × 20 mm	Yes	34
109P0424H3013	» 109P0424H3023	» 109P0424H3013	» 109P0424H3D013	—	40 × 40 × 28 mm	Yes	53
109P0424H601	» 109P0424H602	» 109P0424H601	» 109P0424H6D01	—	40 × 40 × 20 mm	Yes	34
109P0424H901	109P0424H902	109P0424H901	109P0424H9D01	—	40 × 40 × 10 mm	Yes	23
109P0424H701	» 109P0424H702	» 109P0424H701	» 109P0424H7D01	—	40 × 40 × 15 mm	Yes	27
109P0424J3013	» 109P0424J3023	» 109P0424J3013	» 109P0424J3D013	—	40 × 40 × 28 mm	Yes	53
109P0424R3013	109P0424R3023	109P0424R3013	—	—	40 × 40 × 28 mm	Yes	53
109P0505M701	» 109P0505M702	» 109P0505M701	» 109P0505M7D01	—	52 × 52 × 15 mm	Yes	60
109P0812C601	109P0812C602	109P0812C601	109P0812C6D01	—	80 × 80 × 20 mm	Yes	101
109P0812H601	» 109P0812H602	» 109P0812H601	» 109P0812H6D01	—	80 × 80 × 20 mm	Yes	101
109P0812H701	» 109P0812H702	» 109P0812H701	» 109P0812H7D01	—	80 × 80 × 15 mm	Yes	96
109P0812M601	» 109P0812M602	» 109P0812M601	» 109P0812M6D01	—	80 × 80 × 20 mm	Yes	101
109P0812M701	» 109P0812M702	» 109P0812M701	» 109P0812M7D01	—	80 × 80 × 15 mm	Yes	96
109P0824H601	» 109P0824H602	» 109P0824H601	» 109P0824H6D01	—	80 × 80 × 20 mm	Yes	101
109P0824H701	» 109P0824H702	» 109P0824H701	» 109P0824H7D01	—	80 × 80 × 15 mm	Yes	96
109P0824M601	» 109P0824M602	» 109P0824M601	» 109P0824M6D01	—	80 × 80 × 20 mm	Yes	101
109P0824M701	» 109P0824M702	» 109P0824M701	109P0824M7D01	—	80 × 80 × 15 mm	Yes	96
109P0848C601	109P0848C602	109P0848C601	109P0848C6D01	—	80 × 80 × 20 mm	Yes	101
109P0848H601	—	109P0848H601	109P0848H6D01	—	80 × 80 × 20 mm	Yes	101
109P1312H101	109P1312H102	109P1312H101	109P1312H1D01	—	127 × 127 × 38 mm	Yes	192
109P1312H1011	109P1312H1021	109P1312H1011	109P1312H1D011	—	127 × 127 × 38 mm	No	192
109P1312S101	109P1312S102	109P1312S101	109P1312S1D01	—	127 × 127 × 38 mm	Yes	192
109P1312S1011	109P1312S1021	109P1312S1011	109P1312S1D011	—	127 × 127 × 38 mm	No	192
109P1324H101	109P1324H102	109P1324H101	109P1324H1D01	—	127 × 127 × 38 mm	Yes	192
109P1324H1011	109P1324H1021	109P1324H1011	109P1324H1D011	—	127 × 127 × 38 mm	No	192
109P1324S101	109P1324S102	109P1324S101	109P1324S1D01	—	127 × 127 × 38 mm	Yes	192
109P1324S1011	109P1324S1021	109P1324S1011	109P1324S1D011	—	127 × 127 × 38 mm	No	192
109P1348H101	109P1348H102	109P1348H101	109P1348H1D01	—	127 × 127 × 38 mm	Yes	192
109P1348H1011	109P1348H1021	109P1348H1011	109P1348H1D011	—	127 × 127 × 38 mm	No	192
109P1348S101	109P1348S102	109P1348S101	109P1348S1D01	—	127 × 127 × 38 mm	Yes	192
109P1348S1011	109P1348S1021	109P1348S1011	109P1348S1D011	—	127 × 127 × 38 mm	No	192
109P1412H101	109P1412H102	109P1412H101	109P1412H1D01	—	140 × 140 × 38 mm	Yes	198
109P1412M101	109P1412M102	109P1412M101	—	—	140 × 140 × 38 mm	Yes	198
109P1424H101	109P1424H102	109P1424H101	109P1424H1D01	—	140 × 140 × 38 mm	Yes	198
109P1424M101	109P1424M102	109P1424M101	—	—	140 × 140 × 38 mm	Yes	198
109P1448H101	109P1448H102	109P1448H101	—	—	140 × 140 × 38 mm	Yes	198
109P1448M101	109P1448M102	109P1448M101	—	—	140 × 140 × 38 mm	Yes	198
109R0605F401	» 109R0605F402	» 109R0605F401	» 109R0605F4D01	—	60 × 60 × 25 mm	Yes	74
109R0605F4011	109R0605F4021	109R0605F4011	—	—	60 × 60 × 25 mm	No	74
109R0605H401	» 109R0605H402	» 109R0605H401	» 109R0605H4D01	—	60 × 60 × 25 mm	Yes	74
109R0605H4011	109R0605H4021	109R0605H4011	—	—	60 × 60 × 25 mm	No	74
109R0605M401	» 109R0605M402	» 109R0605M401	» 109R0605M4D01	—	60 × 60 × 25 mm	Yes	74
109R0605M4011	109R0605M4021	109R0605M4011	—	—	60 × 60 × 25 mm	No	74
109R0612D401	» 109R0612D402	» 109R0612D401	» 109R0612D4D01	—	60 × 60 × 25 mm	Yes	74
109R0612D4011	109R0612D4021	109R0612D4011	109R0612D4D011	—	60 × 60 × 25 mm	No	74
109R0612F401	109R0612F402	» 109R0612F401	» 109R0612F4D01	—	60 × 60 × 25 mm	Yes	74
109R0612F4011	109R0612F4021	109R0612F4011	109R0612F4D011	—	60 × 60 × 25 mm	No	74
109R0612G401	» 109R0612G402	» 109R0612G401	» 109R0612G4D01	—	60 × 60 × 25 mm	Yes	74
109R0612G4011	109R0612G4021	» 109R0612G4011	109R0612G4D011	—	60 × 60 × 25 mm	No	74
109R0612H401	» 109R0612H402	» 109R0612H401	» 109R0612H4D01	—	60 × 60 × 25 mm	Yes	74
109R0612H4011	109R0612H4021	» 109R0612H4011	» 109R0612H4D011	—	60 × 60 × 25 mm	No	74
109R0612J401	» 109R0612J402	» 109R0612J401	» 109R0612J4D01	109R0612P4J03	60 × 60 × 25 mm	Yes	74
109R0612J4011	» 109R0612J4021	109R0612J4011	109R0612J4D011	109R0612P4J061	60 × 60 × 25 mm	No	74
109R0612M401	» 109R0612M402	» 109R0612M401	» 109R0612M4D01	—	60 × 60 × 25 mm	Yes	74
109R0612M4011	109R0612M4021	109R0612M4011	109R0612M4D011	—	60 × 60 × 25 mm	No	74
109R0612S401	» 109R0612S402	» 109R0612S401	» 109R0612S4D01	—	60 × 60 × 25 mm	Yes	74
109R0612S4011	109R0612S4021	109R0612S4011	» 109R0612S4D011	—	60 × 60 × 25 mm	No	74
109R0624D401	» 109R0624D402	» 109R0624D401	» 109R0624D4D01	—	60 × 60 × 25 mm	Yes	74
109R0624D4011	109R0624D4021	109R0624D4011	—	—	60 × 60 × 25 mm	No	74
109R0624F401	» 109R0624F402	» 109R0624F401	» 109R0624F4D01	—	60 × 60 × 25 mm	Yes	74

Note 1: For compliance with standards, see individual product pages. Please contact your point of sale regarding low-speed sensors.

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