

120x120x25 mm



San Ace 120 9GA type Low Power Consumption Fan

General Specifications

- Material Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-0)
- 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. 608.
- Dielectric strength 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance 10 MΩ min. at 500 VDC (between lead wire conductors and frame)
- Sound pressure level (SPL) A-weighted sound pressure level (SPL) at 1 m away from the air inlet.
- Storage temperature -30 to +70°C (Non-condensing)
- Lead wire ⊕Red ⊖Black (Sensor) Yellow (Control) Brown
(For models without PWM control, there is no speed control wiring.)
- Mass 280 g

Specifications

The models listed below **have ribs and a pulse sensor with PWM control.** For models without ribs, append "1" to the end of model numbers.

Model no.	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle [%]	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]
▶▶ 9GA1212P4G001	12	10.2 to 13.8	100	0.93	11.16	6400	3.8	134	365	1.47	57	-20 to +70	40000/60°C (70000/40°C)
▶▶ 9GA1212P4S001			25	0.16	1.92	2550	1.5	53	60	0.24	34		
▶▶ 9GA1224P4G001	24	20.4 to 27.6	100	0.47	11.28	6400	3.8	134	365	1.47	57		
▶▶ 9GA1224P4S001			25	0.1	2.4	2550	1.5	53	60	0.24	34		
▶▶ 9GA1248P4G001			100	0.31	7.44	5400	3.2	113	260	1.04	54		
▶▶ 9GA1248P4S001	48	40.8 to 53	25	0.1	2.4	2550	1.5	53	60	0.24	34		
▶▶ 9GA1248P4G001			100	0.24	11.52	6400	3.8	134	365	1.47	57		
▶▶ 9GA1248P4S001			25	0.08	3.84	2550	1.5	53	60	0.24	34		
▶▶ 9GA1248P4G001			100	0.16	7.68	5400	3.2	113	260	1.04	54		
▶▶ 9GA1248P4S001	48	40.8 to 53	25	0.08	3.84	2550	1.5	53	60	0.24	34		
▶▶ 9GA1248P4G001			100	0.16	7.68	5400	3.2	113	260	1.04	54		

* PWM frequency is 25 kHz. Models without ratings for 0% PWM duty cycle have zero speed at 0%. When control terminal is open, speed is the same as at 100% duty cycle.

The models listed below **have ribs and a pulse sensor.** 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 [m ³ /min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
▶▶ 9GA1212G4001	12	7 to 13.8	0.93	11.16	6400	3.8	134	365	1.47	57	-20 to +70	40000/60°C (70000/40°C)
▶▶ 9GA1212S4001			0.61	7.32	5400	3.2	113	260	1.04	54		
▶▶ 9GA1224G4001	24	14 to 27.6	0.47	11.28	6400	3.8	134	365	1.47	57		
▶▶ 9GA1224S4001			0.31	7.44	5400	3.2	113	260	1.04	54		
▶▶ 9GA1248G4001	48	36 to 53	0.24	11.52	6400	3.8	134	365	1.47	57		
▶▶ 9GA1248S4001			0.16	7.68	5400	3.2	113	260	1.04	54		

Note 1: Sensor and control options are available for selection. Refer to the table on p. 640.

Note 2: The ▶▶ mark indicates Short LeadTime Service applicable models. See p. 664 for details.