

# San Ace 40L

## 9LG type

### Long Life Fan

#### Features

##### High Static Pressure, High Airflow, and Long Life

This fan delivers a maximum static pressure of 1780 Pa and a maximum airflow of 0.93 m<sup>3</sup>/min.<sup>(1)</sup> Compared with our current model,<sup>(2)</sup> the maximum static pressure has increased by 8.6 times and maximum airflow has increased by 1.8 times. This fan offers greatly improved static pressure and airflow while maintaining the long service life of the current model.

##### Low Noise and Energy Saving

The PWM control enables the control of fan speed, contributing to lowering noise and improving energy efficiency of devices.

(1) For models 9LG0412P3G001 and 9LG0424P3G001.

(2) Current model: 40 × 40 × 28 mm *San Ace 40L* 9L type Long Life Fan (model: 9L0412J301).



## 40 × 40 × 28 mm

#### Specifications

The models listed below have a pulse sensor with PWM control.

Model no.	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle* [%]	Rated current [A]	Rated input [W]	Rated speed [min <sup>-1</sup> ]	Max. airflow [m <sup>3</sup> /min] [CFM]	Max. static pressure [Pa] [inchH <sub>2</sub> O]	SPL [dB(A)]	Operating temperature [°C]	Expected life [h]
9LG0412P3G001	12	10.2 to 13.8	100	1.9	22.8	33500	0.93 32.9	1780 7.15	68	-20 to +70	80000/60°C (115000/40°C)
			20	0.09	1.08	7500	0.2 7.07	89 0.36	33		
9LG0412P3S001			100	1.23	14.8	28000	0.77 27.2	1290 5.18	65		
			20	0.07	0.84	5700	0.15 5.3	53 0.21	28		100000/60°C (135000/40°C)
9LG0412P3H001			100	0.69	8.28	22500	0.62 21.9	830 3.33	62		
			20	0.07	0.84	5700	0.15 5.3	53 0.21	28		
9LG0424P3G001	24	21.6 to 26.4	100	0.95	22.8	33500	0.93 32.9	1780 7.15	68		80000/60°C (115000/40°C)
			20	0.07	1.68	6800	0.18 6.36	73 0.29	32		
9LG0424P3S001			100	0.61	14.6	28000	0.77 27.2	1290 5.18	65		
			20	0.05	1.2	5000	0.13 4.59	41 0.16	27		100000/60°C (135000/40°C)
9LG0424P3H001			100	0.34	8.16	22500	0.62 21.9	830 3.33	62		
			20	0.05	1.2	5000	0.13 4.59	41 0.16	27		

\* 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.

Models with the following sensor specifications are also available as options: **Without sensor** **Lock sensor**

#### Common Specifications

- ☐ Material ..... Frame: Aluminum (Black coating), Impeller: Plastic (Flammability: UL 94V-0)
- ☐ Expected life ..... Refer to specifications  
(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
- ☐ 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.
- ☐ Operating temperature ..... Refer to specifications (Non-condensing)
- ☐ Storage temperature ..... -30 to +70°C (Non-condensing)
- ☐ Lead wire ..... ⊕ Red ⊖ Black **Sensor** Yellow **Control** Brown
- ☐ Mass ..... 60 g