

DC Fan

36×36×28 mm**San Ace 36 9GV** 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. 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 -20 to +70°C (Non-condensing)
- Lead wire ⊕Red ⊖Black ☐ Sensor ☐ Yellow ☐ Control ☐ Brown
- Mass 46 g

SpecificationsThe models listed below **have ribs and a pulse sensor with PWM control.**

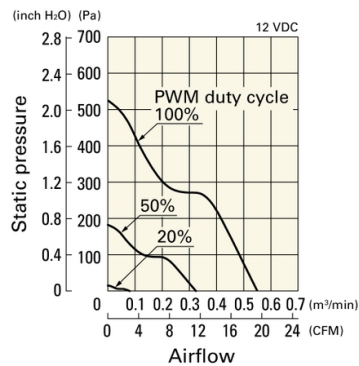
Model no.	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle [%]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
9GV3612P3J03	12	10.8 to 13.2	100	0.75	9	19000	0.55 19.4	525 2.108	58.5	-10 to +60	40000/60°C (70000/40°C)
			0	0.07	0.84	3200	0.08 2.8	15 0.060	16		
9GV3612P3G03			100	0.34	4.08	14000	0.40 14.1	275 1.104	52		
			0	0.06	0.72	3200	0.08 2.8	15 0.060	16		

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.

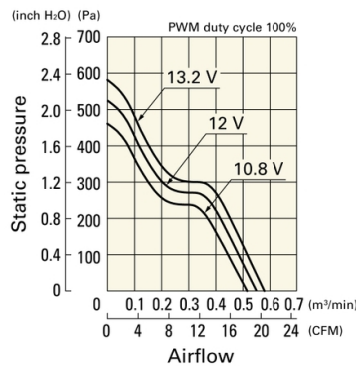
Note: Sensor and control options are available for selection. Refer to the table on p. 642.

Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example**9GV3612P3J03** With pulse sensor with PWM control

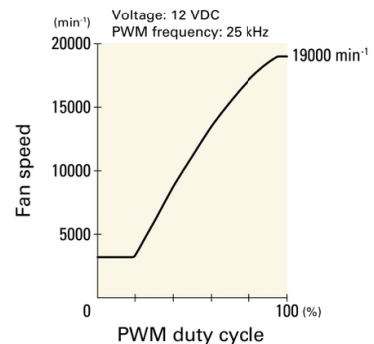
PWM duty cycle



Operating voltage range



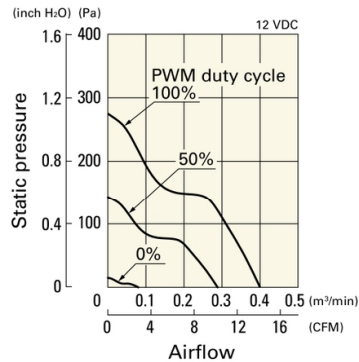
PWM duty - Speed characteristics example



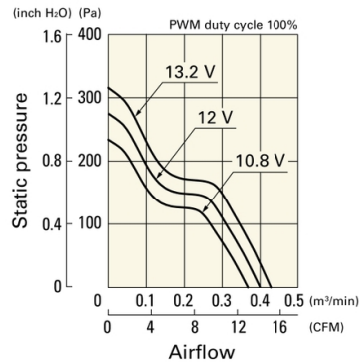
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9GV3612P3G03 With pulse sensor with PWM control

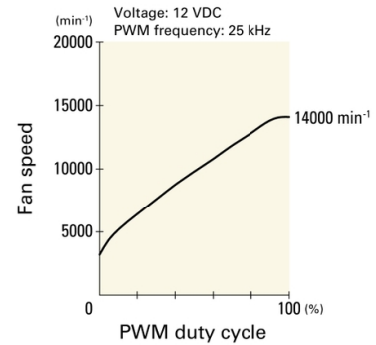
PWM duty cycle



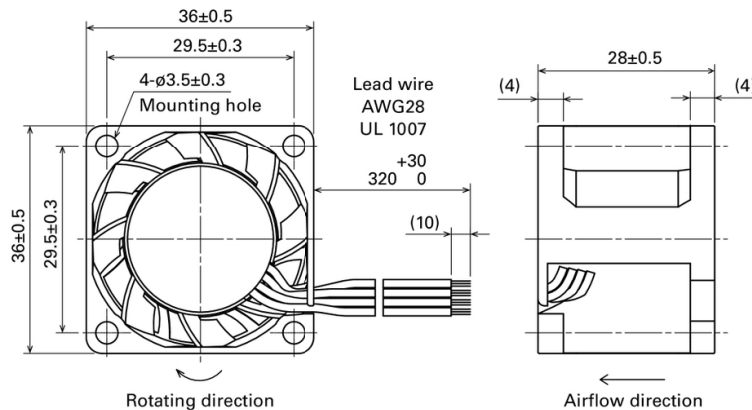
Operating voltage range



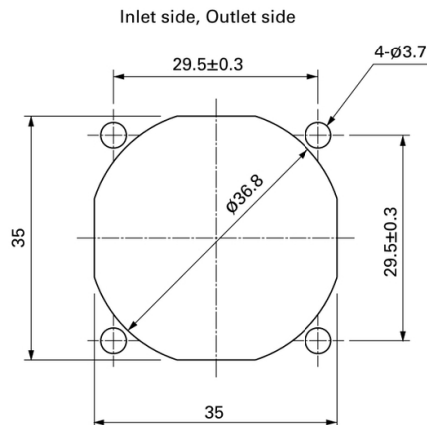
PWM duty - Speed characteristics example



Dimensions (unit: mm)



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



Options

Finger guards

page: p. 590

Model no.: 109-1050

DC
DC Fan 36 mm sq.

