

80x80x25 mm

San Ace 80 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)
- Motor protection function Locked rotor burnout protection, Reverse polarity protection
For details, please refer to p. 547.
- 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  Sensor  Yellow  Control  Brown
- Mass 125 g

Specifications

The models listed below have ribs and pulse sensors with PWM control function. 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 [m³/min] [CFM]	Max. static pressure [Pa] [inchH₂O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
9GV0812P4K03	12	10.2 to 13.8	100	0.87	10.4	5600	2.12	74.8	173.0	0.69	52
			0	0.1	1.2	1400	0.5	18.7	10.3	0.04	18
9GV0812P4J03			100	0.47	5.6	4500	1.72	60.7	110.0	0.44	46
			0	0.07	0.8	1200	0.45	16.2	7.5	0.03	14
9GV0824P4K01	24	20.4 to 27.6	100	0.44	10.56	5600	2.12	74.8	173.0	0.69	52
			0	0.06	1.44	1400	0.53	18.7	10.8	0.04	18
9GV0848P4K03	48	43 to 53	100	0.22	10.56	5600	2.12	74.8	173.0	0.69	52
			0	0.04	1.92	1500	0.57	20.1	12.4	0.05	19

* PWM frequency: 25 kHz

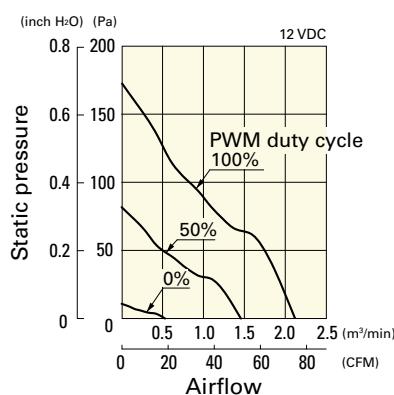
The following sensor and control options are available for selection.

Differs according to the model. Refer to the table on p. 574.   

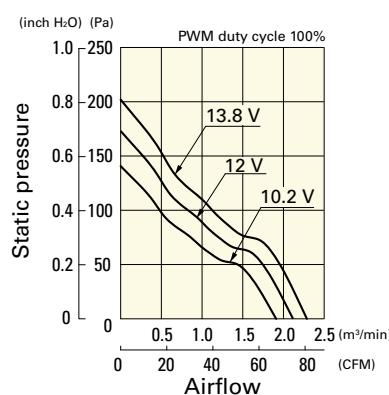
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9GV0812P4K03 With pulse sensor with PWM control function

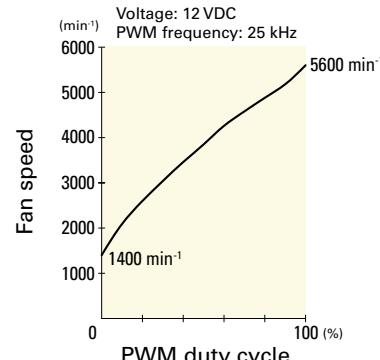
PWM duty cycle



Operating voltage range



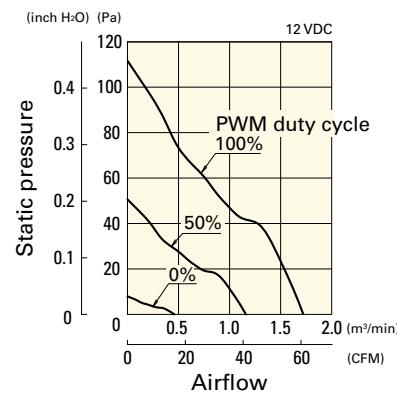
PWM duty - Speed characteristics example



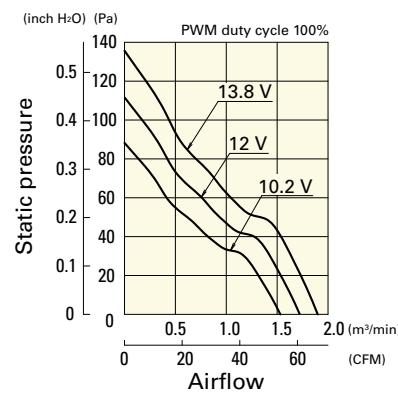
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9GV0812P4J03 With pulse sensor with PWM control function

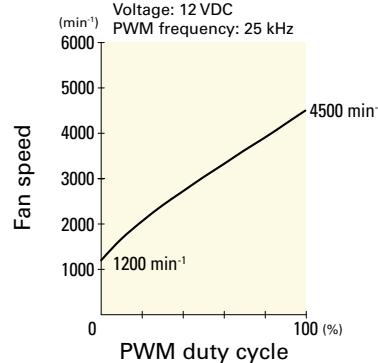
PWM duty cycle



Operating voltage range

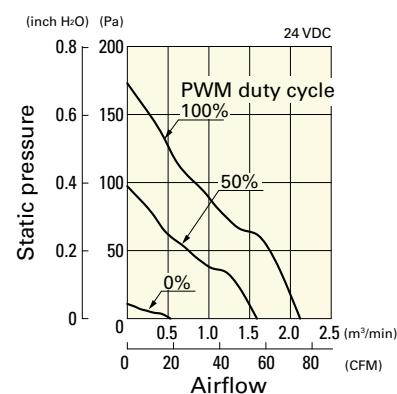


PWM duty - Speed characteristics example

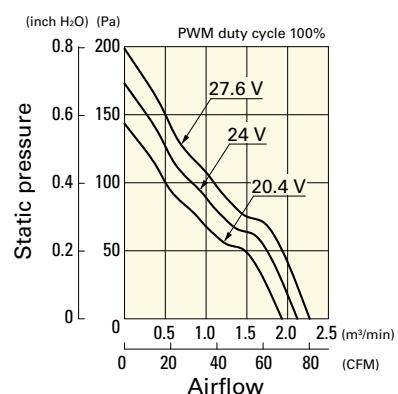


9GV0824P4K01 With pulse sensor with PWM control function

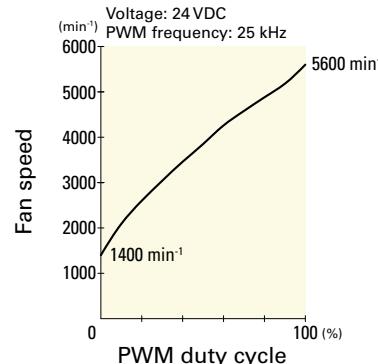
PWM duty cycle



Operating voltage range

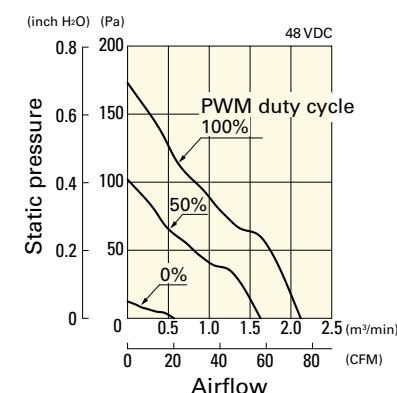


PWM duty - Speed characteristics example

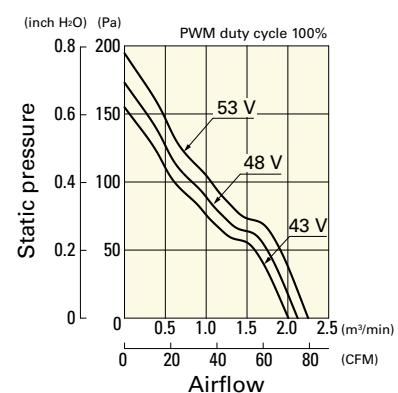


9GV0848P4K03 With pulse sensor with PWM control function

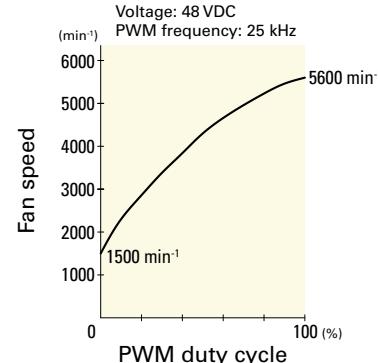
PWM duty cycle



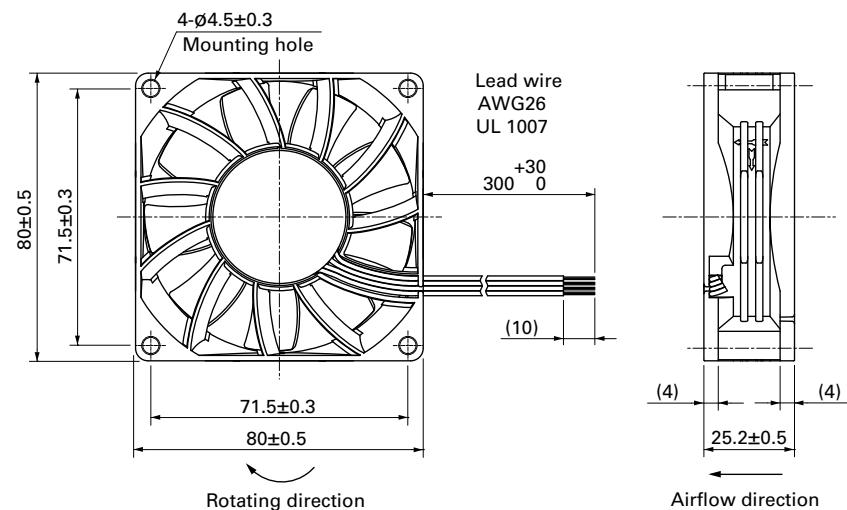
Operating voltage range



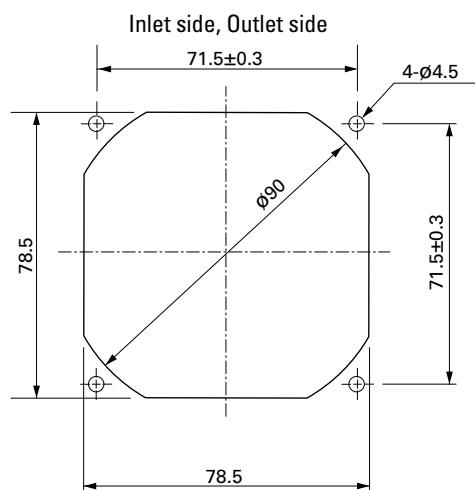
PWM duty - Speed characteristics example



Dimensions (unit: mm) (With ribs)



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



Options

Finger guards

page: p. 532

Model no.: 109-049E, 109-049H, 109-049C

Resin finger guards

page: p. 539

Model no.: 109-1002G

Resin filter kits

page: p. 540

Model no.: 109-1002F13 (13PPI), 109-1002F20 (20PPI),
109-1002F30 (30PPI), 109-1002F40 (40PPI)