


DC Fan







120×120×38 mm

San Ace 120 9GV type 



DC
 DC Fan 120 mm sq.

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. 573.
- 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 360 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]	Max. air flow [m ³ /min] [CFM]	Max. static pressure [Pa] [inch H ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]		
9GV1212P1J01	12	10.2 to 13.8	100	3.0	36.0	6400	6.35	224.0	360.0	1.45	20 to +70	40000/60°C (70000/40°C)	
			0	0.19	2.28	1500	1.49	52.6	19.8	0.08			33
			100	2.1	25.2	5500	5.45	192.6	265	1.06			60
9GV1224P1J01	24	20.4 to 27.6	100	1.5	36.0	6400	6.35	224.0	360	1.45	20 to +70	40000/60°C (70000/40°C)	
			0	0.19	2.28	1500	1.49	52.6	19.8	0.08			33
			100	0.8	19.2	5200	5.16	182.3	237	0.95			58
9GV1248P1J01	48	40.8 to 55.2	100	0.75	36.0	6400	6.35	224.0	360.0	1.45	20 to +70	40000/60°C (70000/40°C)	
			0	0.06	2.88	1500	1.49	52.6	26.1	0.106			33

* PWM input frequency is 25 kHz; models without specifications at 0% PWM duty cycle have zero fan speed at 0%.

The following sensor and control options are available for selection.

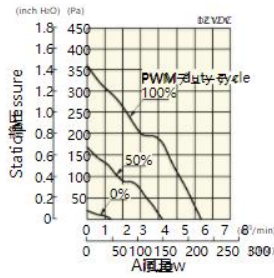
Differs according to the model. Refer to the table on pp. 606 to 607.  Without sensor  Pulse sensor  Lock sensor

The  mark indicates Short Lead Time Service applicable models. See p. 626 for details.

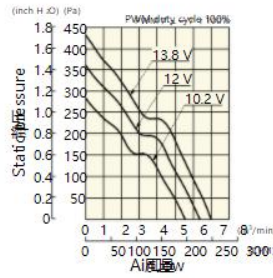
Air Flow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9GV1212P1J01 With pulse sensor with PWM control function

PWM duty cycle



Operating voltage range



PWM duty - Speed characteristics example

