

DC Fan 120 mm sq. DC

DC Fan

120×120×38 mm

San Ace 120 9HV type 



General Specifications

- Material Frame: Aluminum, 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 460 g

Specifications

The models listed below have pulse sensors with PWM control function.

Model no.	Rated voltage (V)	Operating voltage range (V)	PWM duty cycle (%)	Rated current (A)	Rated input (W)	Rated speed (min)	Max. air flow (mL/min) (CFM)	Max. static pressure (Pa) (inchH ₂ O)	SPL (dB (A))	Operating temperature (°C)	Expected life (h)
9HV1224P1A001	24	21.6 to 26.4	0 to 100	2.4	57.6	9600	7.0	247	950	3.82	71
			0	0.37	8.88	3800	2.7	95	161	0.65	46
9HV1248P1G001	48	36 to 60	0 to 100	2.0	96	11500	8.3	293	1300	5.22	75
			0	0.23	11	3800	2.7	95	161	0.65	46
9HV1248P1H001			0 to 100	1.4	67	10000	7.2	254	1050	4.22	72
			0	0.23	11	3800	2.7	95	161	0.65	46

* 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 p. 60. ☒ Without sensor ☒ Pulse sensor ☒ Lock sensor

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

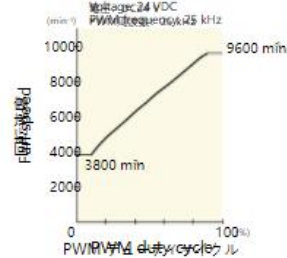
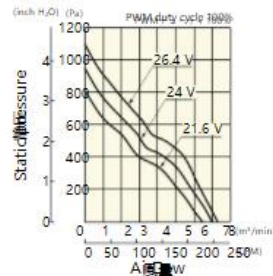
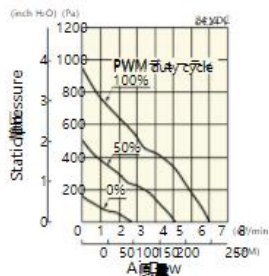
Air Flow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9HV1224P1A001 With pulse sensor with PWM control function

PWM duty cycle

Operating voltage range

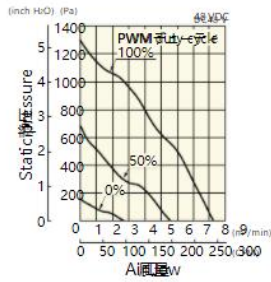
PWM duty - Speed characteristics example



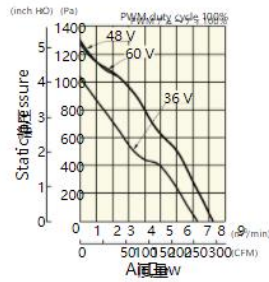
■ AirDow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9HV1248P1G001 With pulse sensor with PWM control function

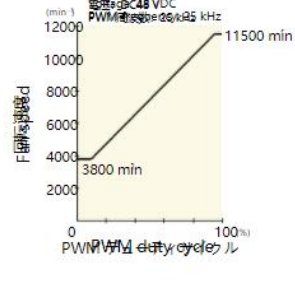
PWM duty cycle



Operating voltage range



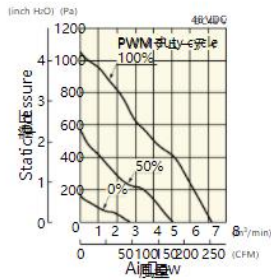
PWM duty - Speed characteristics example



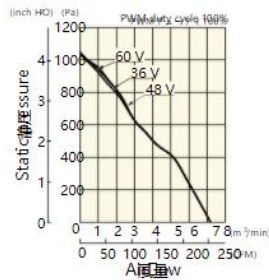
DC Fan 120 mm sq.

9HV1248P1H001 With pulse sensor with PWM control function

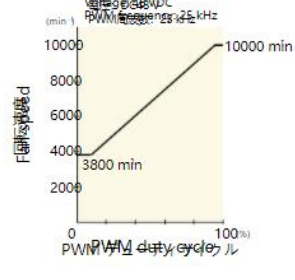
PWM duty cycle



Operating voltage range



PWM duty - Speed characteristics example



■ Dimensions (unit: mm)

