






120x120x38 mm

San Ace 120W 9WV type   

General Specifications

- Material Frame: Aluminum (Black coating), Impeller: Plastic (Flammability: UL 94V-1)
- Expected life See the table below. (L10 life: 90% survival rate for continuous operation in indoor 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 440 g
- Ingress protection IP68

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 ⁻¹]	Max. airflow [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
9WV1212P1J001	12	10.2 to 13.8	100	3	36	6400	6.35 224.0	360 1.45	64	-20 to +70	60000/60°C (90000/40°C)
			0	0.2	2.4	1500	1.49 52.6	19.8 0.08	33		
9WV1224P1J601	24	20.4 to 27.6	100	1.5	36	6400	6.35 224.0	360 1.45	64		
			0	0.12	2.88	1500	1.49 52.6	26.1 0.105	33		
9WV1224P1H001	48	40.8 to 55.2	100	0.8	19.2	5200	5.16 182	237 0.95	58		
9WV1248P1J001			100	0.65	31.2	6400	6.35 224.0	360 1.45	64		
			0	0.06	2.88	1500	1.49 52.6	26.1 0.105	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.

Available for all models. **Without sensor**

Differs according to the model. Refer to the table on p. 613. **Pulse sensor** **Lock sensor**

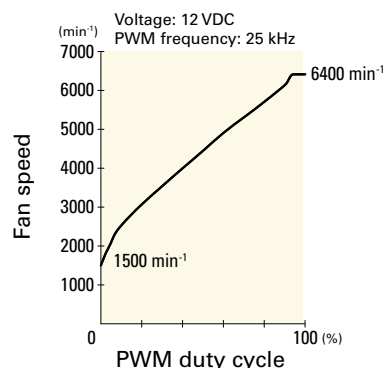
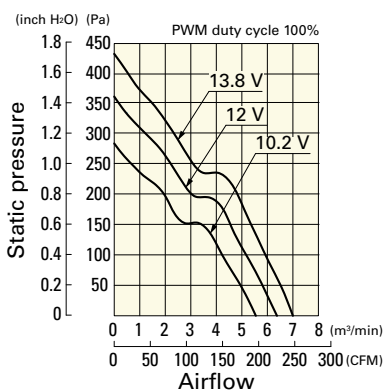
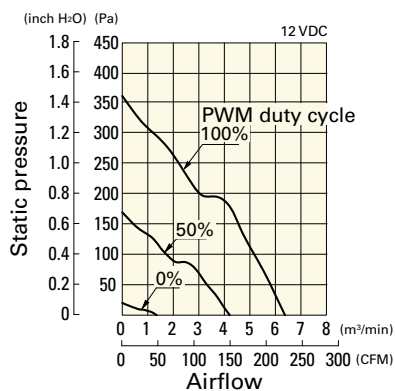
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9WV1212P1J001 With pulse sensor with PWM control function

PWM duty cycle

Operating voltage range

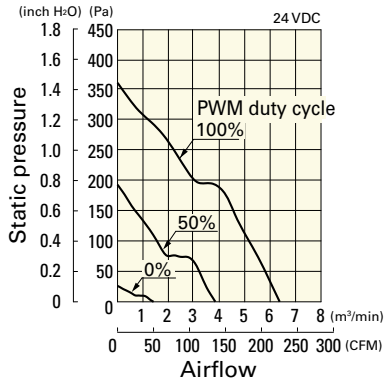
PWM duty - Speed characteristics example



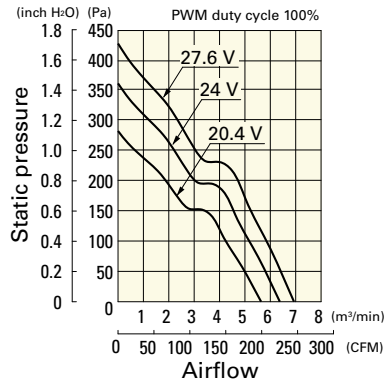
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9WV1224P1J601 With pulse sensor with PWM control function

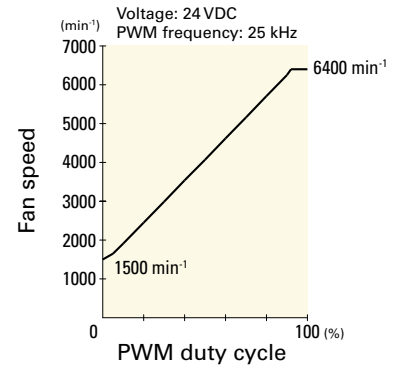
PWM duty cycle



Operating voltage range

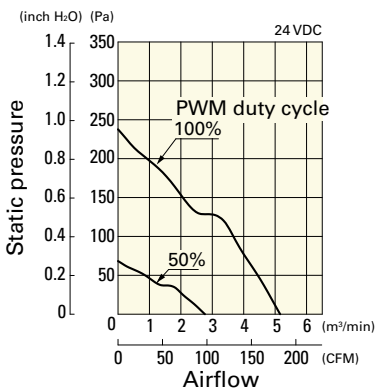


PWM duty - Speed characteristics example

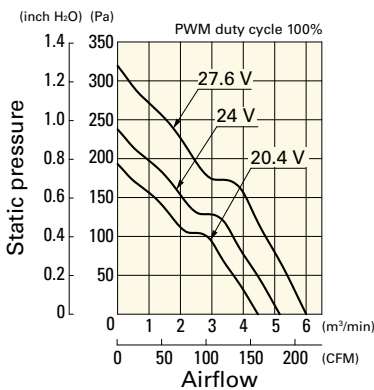


9WV1224P1H001 With pulse sensor with PWM control function

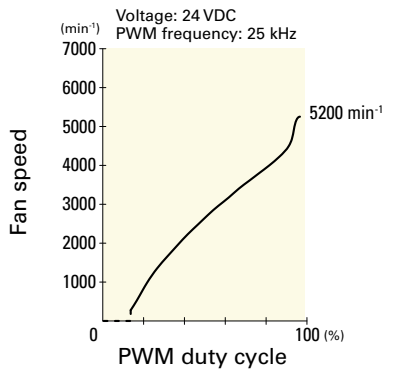
PWM duty cycle



Operating voltage range

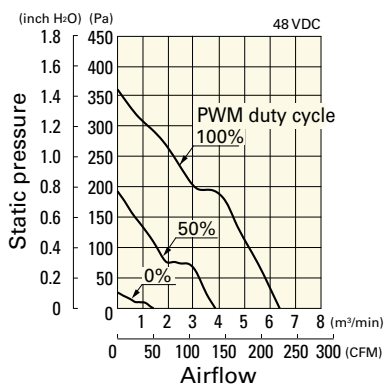


PWM duty - Speed characteristics example

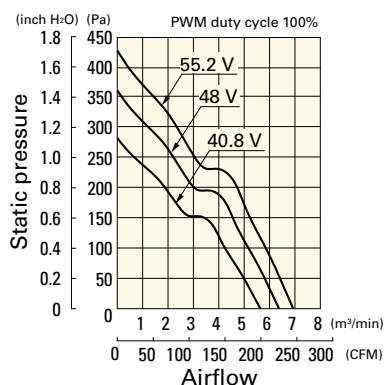


9WV1248P1J001 With pulse sensor with PWM control function

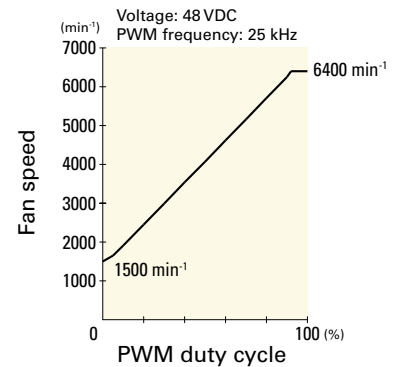
PWM duty cycle



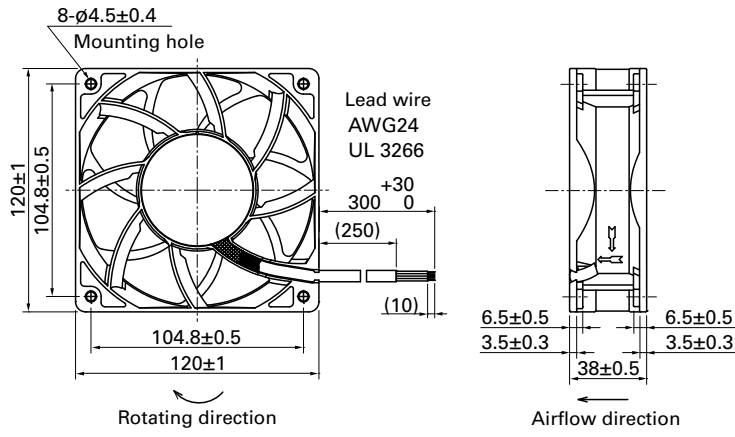
Operating voltage range



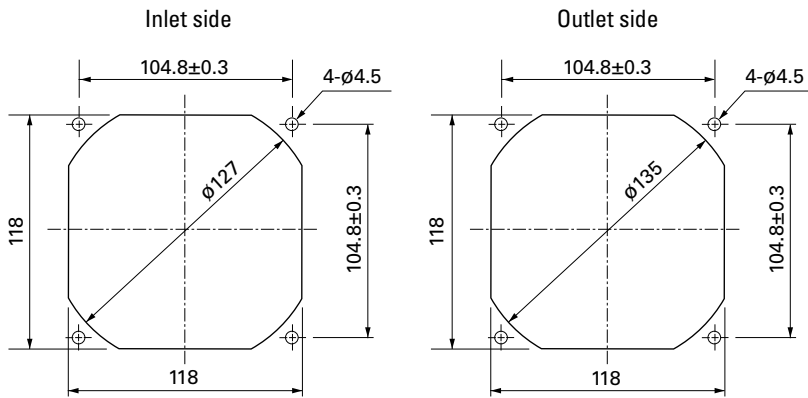
PWM duty - Speed characteristics example



Dimensions (unit: mm)



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



Options

Finger guards

page: p. 559

Model no.: 109-019E, 109-019K, 109-019C, 109-019H

Resin finger guards

page: p. 565

Model no.: 109-1000G

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [DC Fans](#) category:

Click to view products by [Sanyo Denki](#) manufacturer:

Other Similar products are found below :

[AUB0612L](#) [AFB0948HH-S687](#) [G2E085-AA05-10](#) [4318/12T](#) [AUB0912H-F00](#) [3412N/2ME](#) [W2G110-AM39-01](#) [8412GLV](#) [8412NGL-12](#)
[6448-384](#) [4114N/17-251](#) [4318/2R](#) [4412F/2D](#) [424JMU](#) [4414/2HH](#) [4112 N/12GL-175](#) [9GA0924L4021](#) [9GA0924M4021](#) [9GA0924M4011](#)
[9GA0812A2D0011](#) [9GA0912M4D011](#) [9GA0924W4D01](#) [9GA0912F4021](#) [9GA0912F402](#) [9GA0912H4D011](#) [9GA0824L20021](#)
[9GA0824L20011](#) [9GA0812A2002](#) [9GA0812B20011](#) [9GA0812B2D001](#) [9GA0812L20021](#) [9WP1248M1021](#) [9GA0812A2D001](#)
[9GA0824L2D001](#) [9GA0924W4D011](#) [9GA0912W402](#) [9GA0912M402](#) [9GA0824B2D001](#) [9GA0824A20021](#) [9GA0912W4021](#)
[9GA0924W402](#) [9GA0812L2D0011](#) [9GA0812A20021](#) [9GA0824B2D0011](#) [9GA0824L2001](#) [9GA0824L2002](#) [9GA0812L2D001](#)
[9GA0824L2D0011](#) [9GA0912M401](#) [9GA0924M402](#)