

Splash Proof Fan

IP55



120×120×38 mm

San Ace 120W 9WG 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. 599.
- 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 or Blue ☐ Sensor Yellow
- Mass 410 g
- Ingress protection IP55

Specifications

The models listed below **have pulse sensors**.

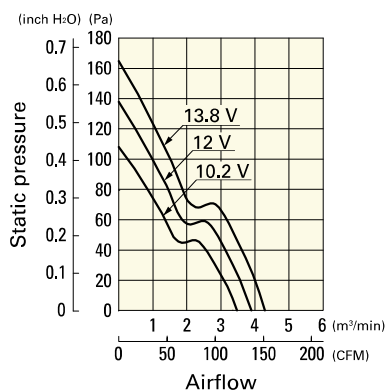
Model no.	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
9WG1212G101-E	12	10.2 to 13.8	0.98	11.76	3600	3.88 137	135 0.542	49	-20 to +70	80000/60°C (115000/40°C)
9WG1212E101-E			0.61	7.32	3100	3.34 118	100 0.402	46		
9WG1212H101-E		7 to 13.8	0.38	4.56	2600	2.8 99	70.4 0.283	39		100000/60°C (135000/40°C)
9WG1212F101-E			0.28	3.36	2280	2.45 87	54.2 0.218	36		
9WG1212M101-E			0.21	2.52	1950	2.1 74	39.6 0.159	32		
9WG1224G101-E	24	20.4 to 27.6	0.5	12	3600	3.88 137	135 0.542	49		80000/60°C (115000/40°C)
9WG1224E101-E			0.34	8.16	3100	3.34 118	100 0.402	46		
9WG1224H101-E		14 to 27.6	0.22	5.28	2600	2.8 99	70.4 0.283	39		100000/60°C (135000/40°C)
9WG1224F101-E			0.16	3.84	2280	2.45 87	54.2 0.218	36		
9WG1224M101-E			0.11	2.64	1950	2.1 74	39.6 0.159	32		
9WG1248G101-E	48	40.8 to 55.2	0.25	12	3600	3.88 137	135 0.542	49		80000/60°C (115000/40°C)
9WG1248E101-E			0.17	8.16	3100	3.34 118	100 0.402	46		
9WG1248H101-E			0.11	5.28	2600	2.8 99	70.4 0.283	39		100000/60°C (135000/40°C)
9WG1248F101-E			0.09	4.32	2280	2.45 87	54.2 0.218	36		
9WG1248M101-E			0.07	3.36	1950	2.1 74	39.6 0.159	32		

Note: Sensor and control options are available for selection. Refer to the table on p. 637.

Airflow - Static Pressure Characteristics

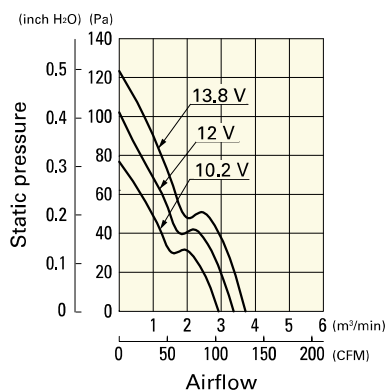
9WG1212G101-E With pulse sensor

Operating voltage range



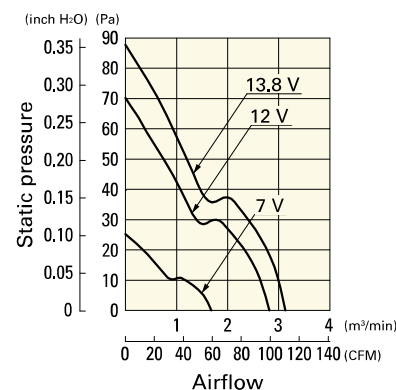
9WG1212E101-E With pulse sensor

Operating voltage range



9WG1212H101-E With pulse sensor

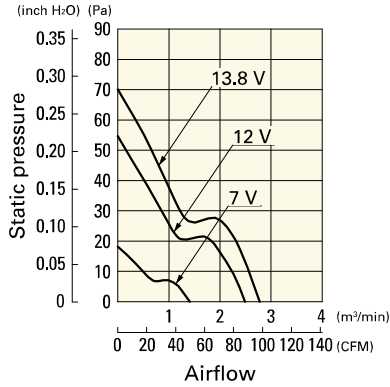
Operating voltage range



Airflow - Static Pressure Characteristics

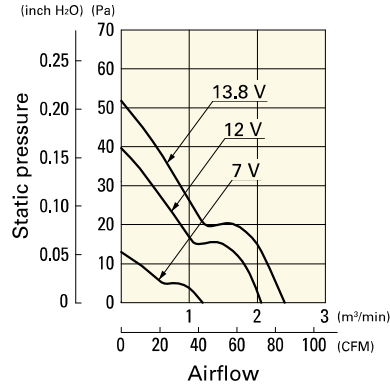
9WG1212F101-E With pulse sensor

Operating voltage range



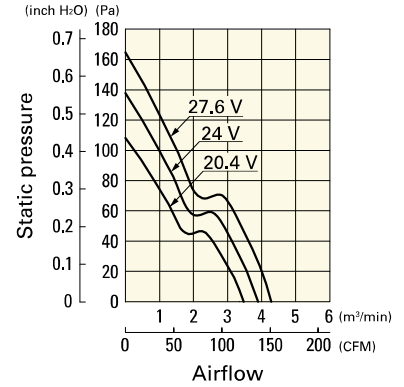
9WG1212M101-E With pulse sensor

Operating voltage range



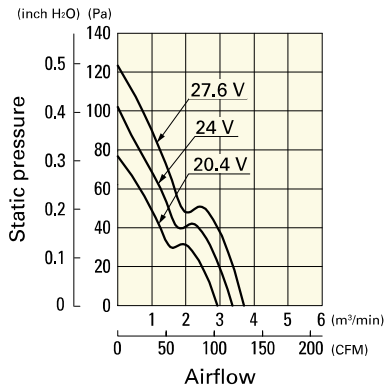
9WG1224G101-E With pulse sensor

Operating voltage range



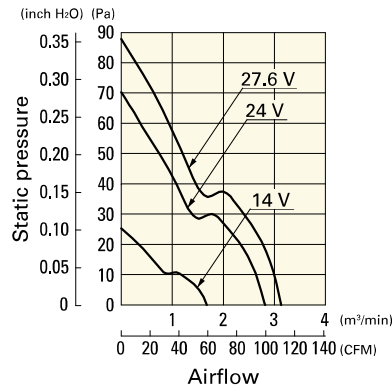
9WG1224E101-E With pulse sensor

Operating voltage range



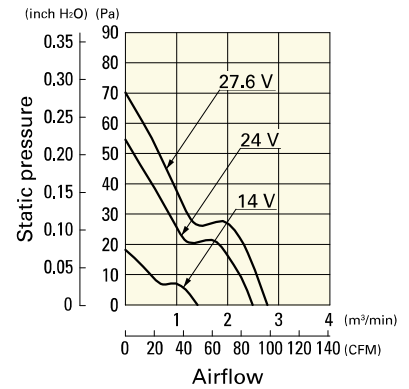
9WG1224H101-E With pulse sensor

Operating voltage range



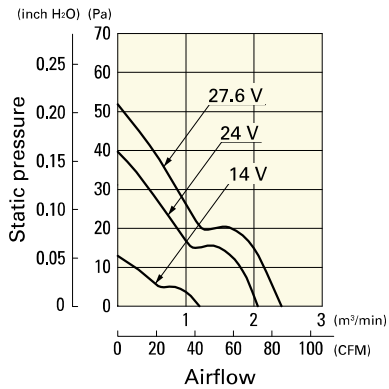
9WG1224F101-E With pulse sensor

Operating voltage range



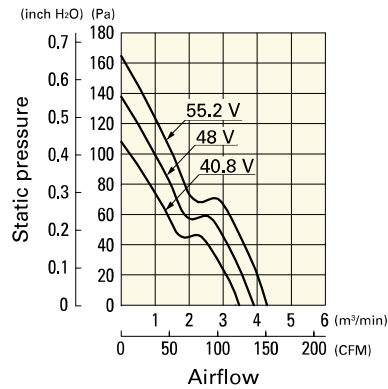
9WG1224M101-E With pulse sensor

Operating voltage range



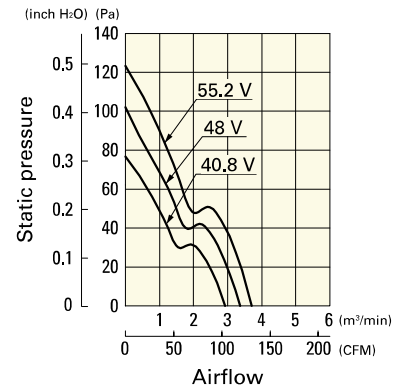
9WG1248G101-E With pulse sensor

Operating voltage range



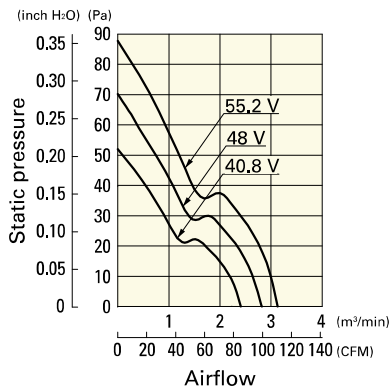
9WG1248E101-E With pulse sensor

Operating voltage range



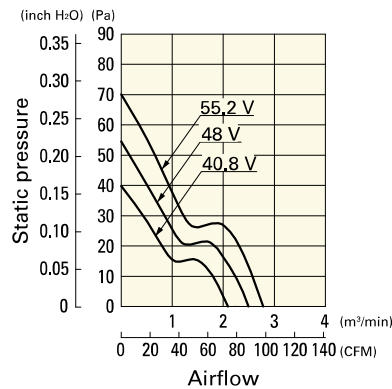
9WG1248H101-E With pulse sensor

Operating voltage range



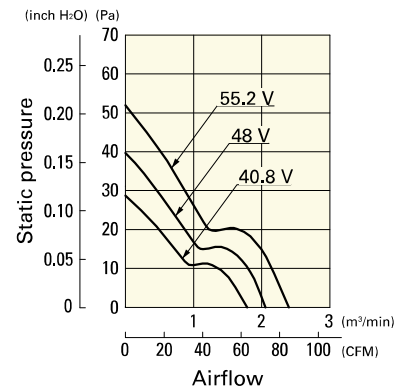
9WG1248F101-E With pulse sensor

Operating voltage range

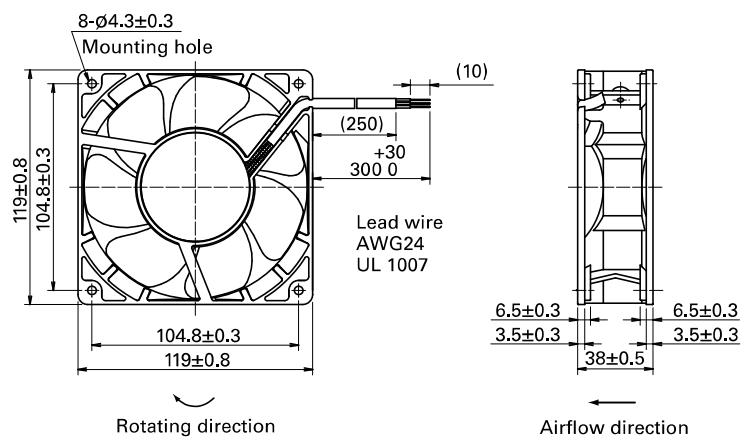


9WG1248M101-E With pulse sensor

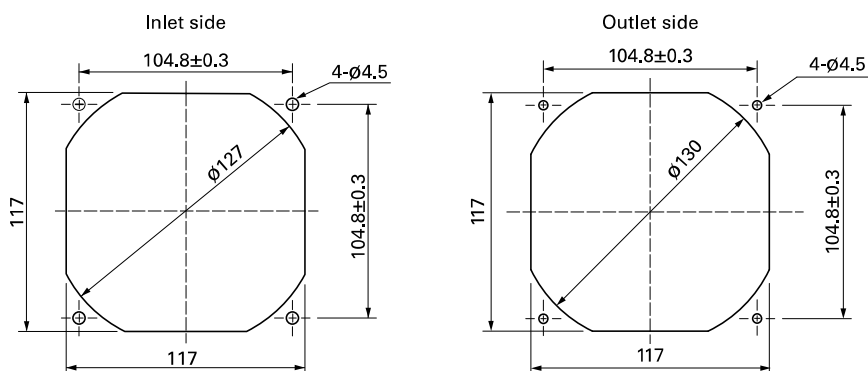
Operating voltage range



Dimensions (unit: mm)



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



Options

Finger guards

page: p. 585

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

Resin finger guards

page: p. 591

Model no.: 109-1000G



120×120×38 mm

San Ace 120W 9WP_{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 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. 599.
- 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
- Mass 360 g
- Ingress protection IP68

Specifications

The models listed below **have ribs and pulse sensors**. For models without ribs, append "1" to the end of model numbers.

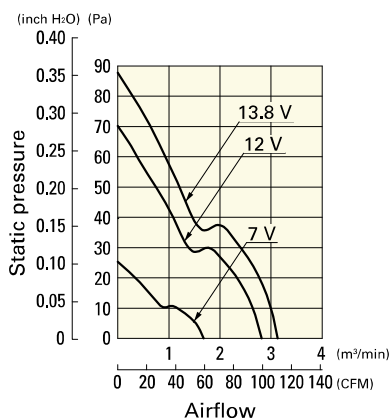
Model no.	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
9WP1212H101	12	7 to 13.8	0.38	4.56	2600	2.8 99	70.4 0.283	39	-20 to +70	40000/60°C (70000/40°C)
9WP1212M101			0.21	2.52	1950	2.1 74.2	39.6 0.159	32		
9WP1212L101		10.2 to 13.8	0.14	1.68	1500	1.62 57.2	23.4 0.094	26		
9WP1224H101	24	14 to 27.6	0.22	5.28	2600	2.8 99	70.4 0.283	39		
9WP1224M101			0.11	2.64	1950	2.1 74.2	39.6 0.159	32		
9WP1248H101	48	40.8 to 55.2	0.11	5.28	2600	2.8 99	70.4 0.283	39		
9WP1248M101			0.07	3.36	1950	2.1 74.2	39.6 0.159	32		

Note: Sensor and control options are available for selection. Refer to the table on p. 639.

Airflow - Static Pressure Characteristics

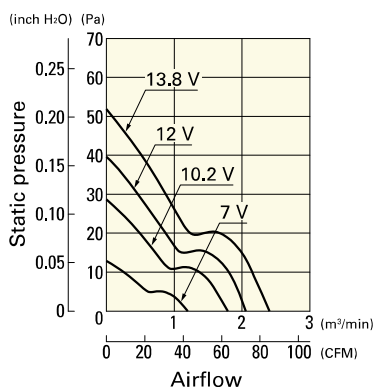
9WP1212H101 With pulse sensor

Operating voltage range



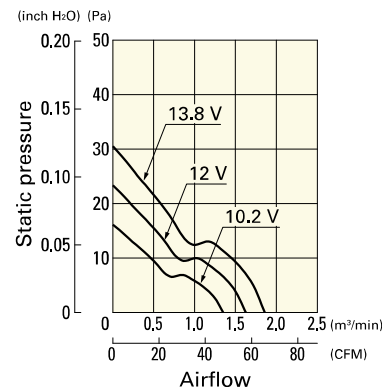
9WP1212M101 With pulse sensor

Operating voltage range



9WP1212L101 With pulse sensor

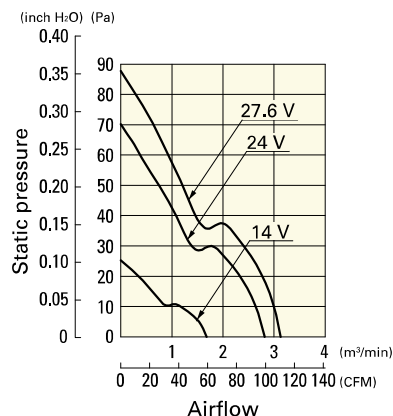
Operating voltage range



Airflow - Static Pressure Characteristics

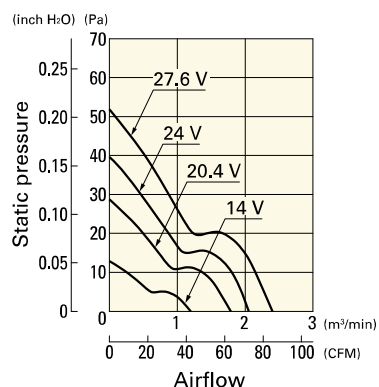
9WP1224H101 With pulse sensor

Operating voltage range



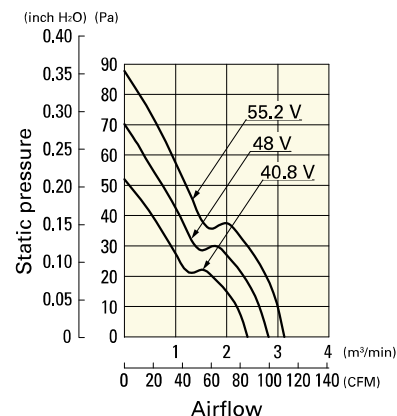
9WP1224M101 With pulse sensor

Operating voltage range



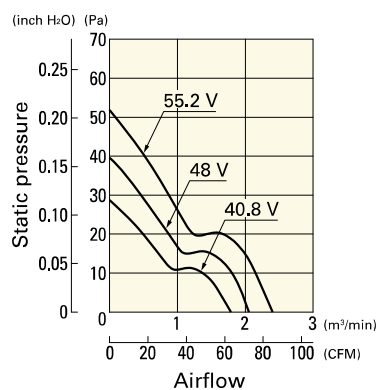
9WP1248H101 With pulse sensor

Operating voltage range

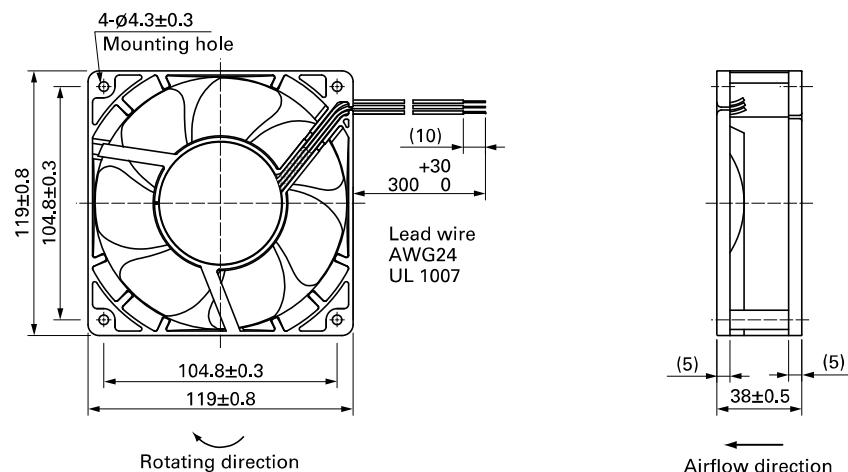


9WP1248M101 With pulse sensor

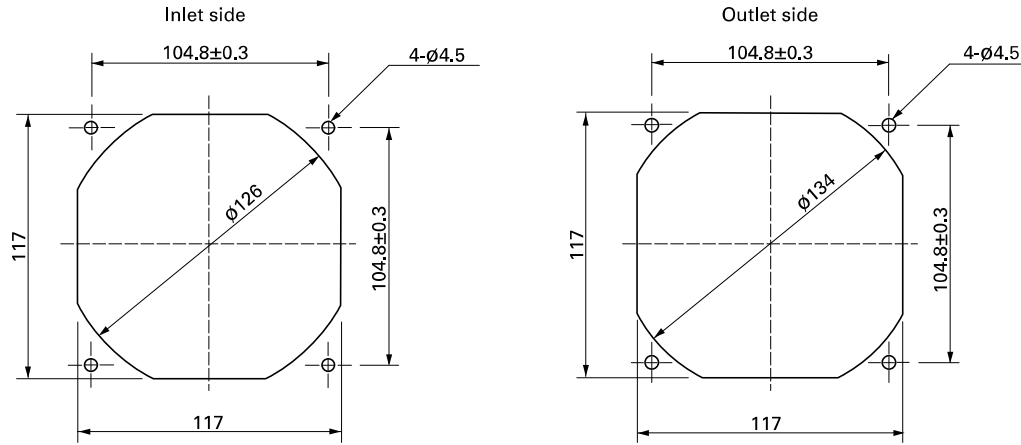
Operating voltage range



Dimensions (unit: mm) (With ribs)



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



Options

Finger guards

page: p. 585

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

Resin finger guards

page: p. 591

Model no.: 109-1000G