

120×120×38 mm

San Ace 120L 9GL 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. 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 370 g

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]
9GL1212G101	12	10.2 to 13.8	0.98	11.8	3600	3.88 137	135 0.542	49	-20 to +70	80000/60°C (115000/40°C)
9GL1212E101			0.61	7.32	3100	3.34 118	100 0.402	46		
9GL1212H101		7 to 13.8	0.38	4.56	2600	2.8 99	70.4 0.283	39		100000/60°C (135000/40°C)
9GL1212F101			0.28	3.36	2280	2.45 87	54.2 0.218	36		
9GL1212M101			0.21	2.52	1950	2.1 74	39.6 0.159	32		
9GL1224G101	24	20.4 to 27.6	0.5	12.0	3600	3.88 137	135 0.542	49		80000/60°C (115000/40°C)
9GL1224E101			0.34	8.16	3100	3.34 118	100 0.402	46		
9GL1224H101		14 to 27.6	0.22	5.28	2600	2.8 99	70.4 0.283	39		100000/60°C (135000/40°C)
9GL1224F101			0.16	3.84	2280	2.45 87	54.2 0.218	36		
9GL1224M101			0.11	2.64	1950	2.1 74	39.6 0.159	32		
9GL1248G101	48	40.8 to 55.2	0.25	12.0	3600	3.88 137	135 0.542	49		80000/60°C (115000/40°C)
9GL1248E101			0.17	8.16	3100	3.34 118	100 0.402	46		
9GL1248H101			0.11	5.28	2600	2.8 99	70.4 0.283	39		100000/60°C (135000/40°C)
9GL1248F101			0.09	4.32	2280	2.45 87	54.2 0.218	36		
9GL1248M101			0.07	3.36	1950	2.1 74	39.6 0.159	32		

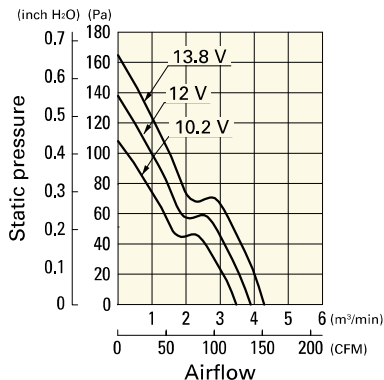
Note 1: Sensor and control options are available for selection. Refer to the table on p. pp. 631 to 632.

Note 2: The  mark indicates Short LeadTime Service applicable models. See p. 654 for details.

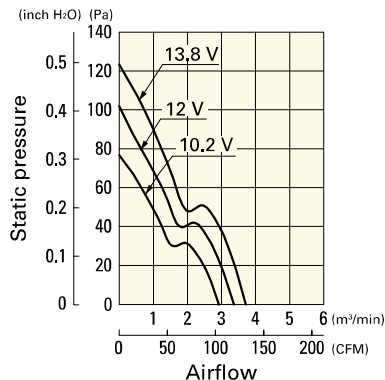
Airflow - Static Pressure Characteristics

9GL1212G101 With pulse sensor

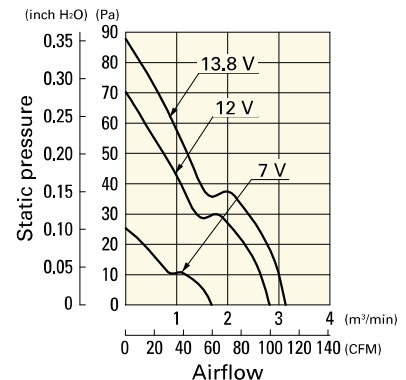
Operating voltage range


9GL1212E101 With pulse sensor

Operating voltage range


9GL1212H101 With pulse sensor

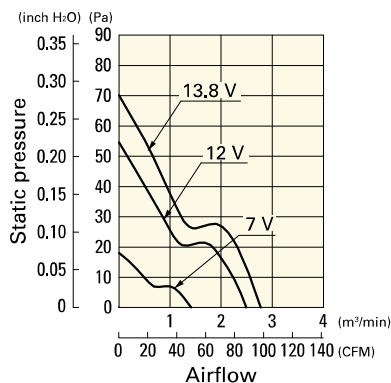
Operating voltage range



Airflow - Static Pressure Characteristics

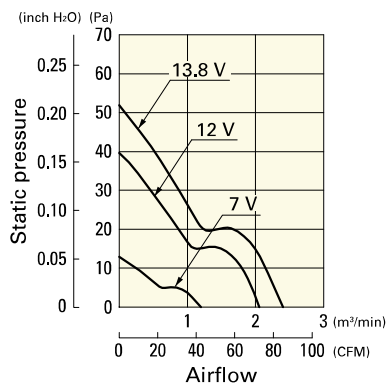
9GL1212F101 With pulse sensor

Operating voltage range



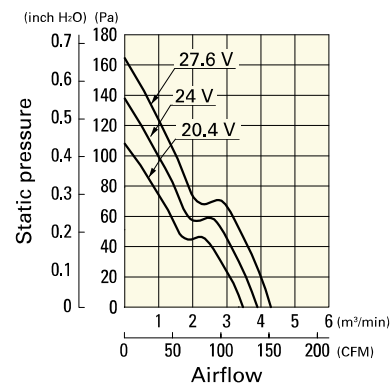
9GL1212M101 With pulse sensor

Operating voltage range



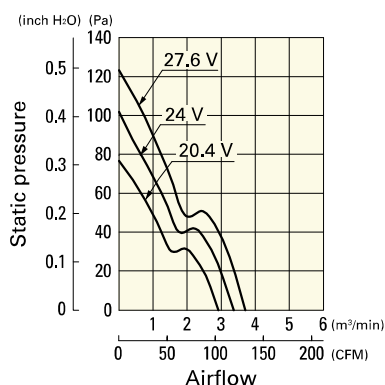
9GL1224G101 With pulse sensor

Operating voltage range



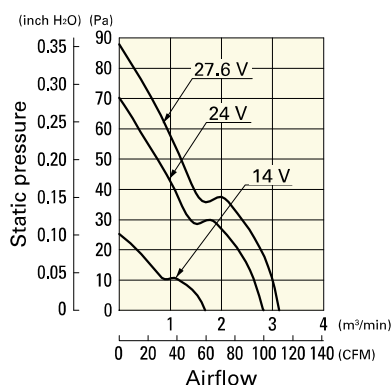
9GL1224E101 With pulse sensor

Operating voltage range



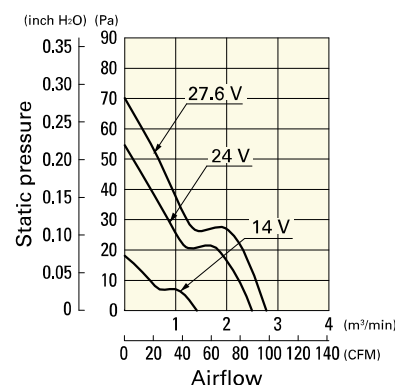
9GL1224H101 With pulse sensor

Operating voltage range



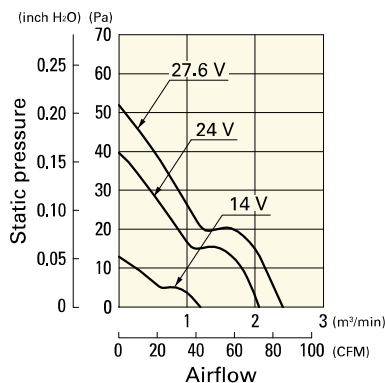
9GL1224F101 With pulse sensor

Operating voltage range



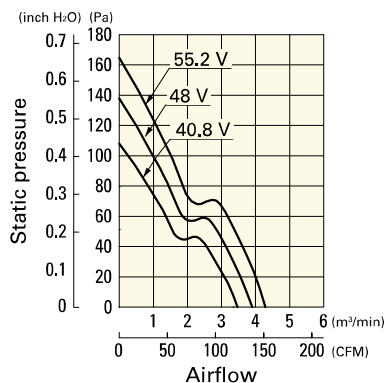
9GL1224M101 With pulse sensor

Operating voltage range



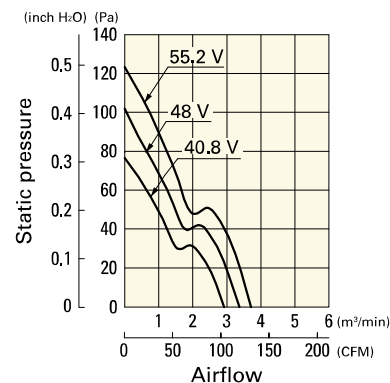
9GL1248G101 With pulse sensor

Operating voltage range



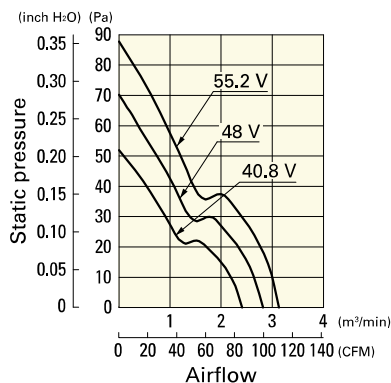
9GL1248E101 With pulse sensor

Operating voltage range



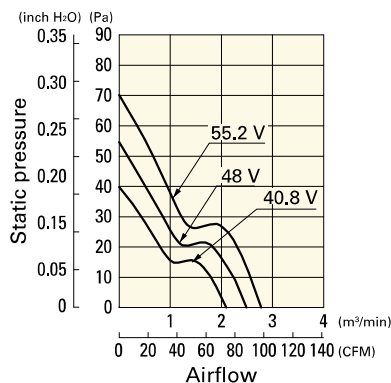
9GL1248H101 With pulse sensor

Operating voltage range



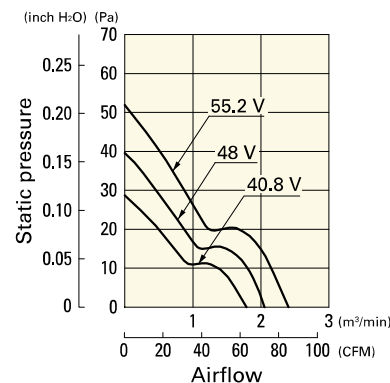
9GL1248F101 With pulse sensor

Operating voltage range

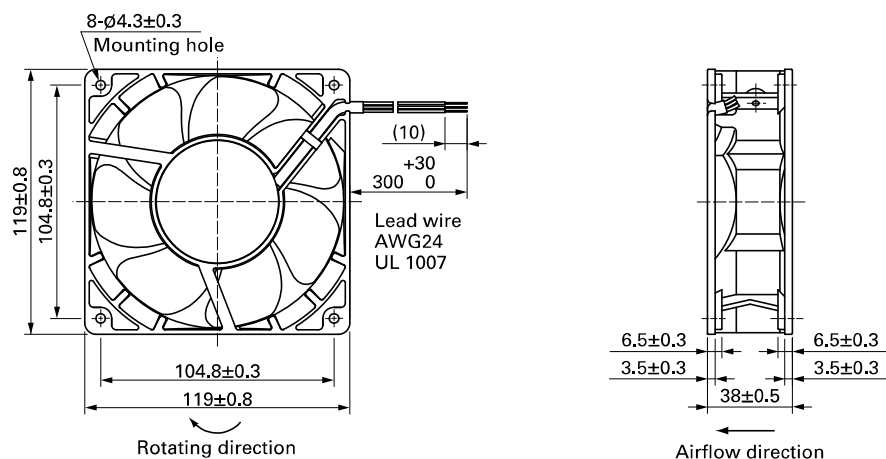


9GL1248M101 With pulse sensor

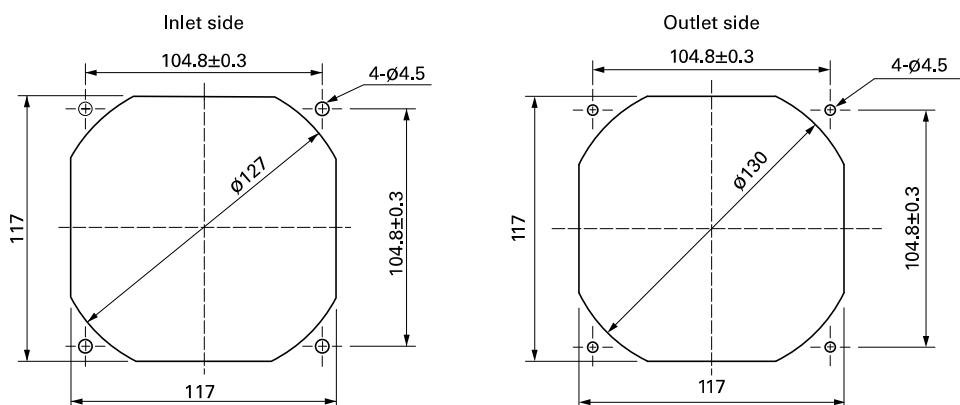
Operating voltage range



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

Resin filter kits

page: p. 592

Model no.: 109-1000F13 (13PPI), 109-1000F20 (20PPI),
109-1000F30 (30PPI), 109-1000F40 (40PPI)

DC

Long Life Fan 120 mm sq.