



**THE DATASHEET OF
9G1248F401**



DC Fan

120x120x25 mm



San Ace 120 9G type Model 9G1212B401 is not certified.

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. 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 240 g

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]
» 9G1212G401	12	10.2 to 13.8	0.9	10.8	4100	3.68 130	120 0.482	51	-20 to +70	40000/60°C (70000/40°C)
» 9G1212E401			0.58	6.96	3650	3.25 115	98 0.394	48		
» 9G1212A401			0.4	4.8	3150	2.83 100	77 0.309	44		
» 9G1212H401		6 to 13.8	0.31	3.72	2850	2.5 88	64 0.257	40		
» 9G1212F401			7 to 13.8	0.19	2.28	2250	1.98 70	42 0.169		
» 9G1212M401		0.14		1.68	1950	1.66 59	31 0.124	29		
» 9G1212B401	10.2 to 13.8	0.06	0.72	1000	0.88 31	9.6 0.039	18			
» 9G1224G401	24	20.4 to 27.6	0.47	11.28	4100	3.68 130	120 0.482	51		
» 9G1224E401			0.37	8.88	3650	3.25 115	98 0.394	48		
» 9G1224A401			0.21	5.04	3150	2.83 100	77 0.309	44		
» 9G1224H401		12 to 27.6	0.17	4.08	2850	2.5 88	64 0.257	40		
» 9G1224F401			20.4 to 27.6	0.1	2.4	2250	1.98 70	42 0.169		
» 9G1224M401		0.08		1.92	1950	1.66 59	31 0.124	29		
» 9G1248G401	48	40.8 to 55.2	0.23	11.04	4100	3.68 130	120 0.482	51		
» 9G1248E401			0.16	7.68	3650	3.25 115	98 0.394	48		
» 9G1248A401			0.13	6.24	3150	2.83 100	77 0.309	44		
» 9G1248H401			0.1	4.8	2850	2.5 88	64 0.257	40		
» 9G1248F401			0.06	2.88	2250	1.98 70	42 0.169	35		
» 9G1248M401			0.05	2.4	1950	1.66 59	31 0.124	29		

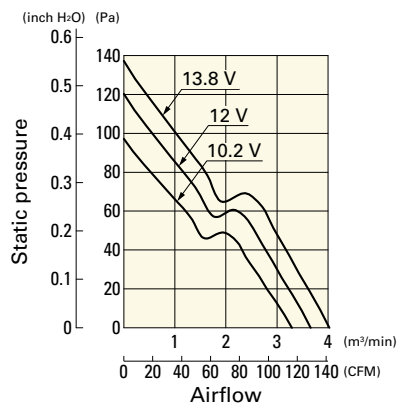
Note 1: Sensor and control options are available for selection. Refer to the table on pp. 627 to 628.

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

Airflow - Static Pressure Characteristics

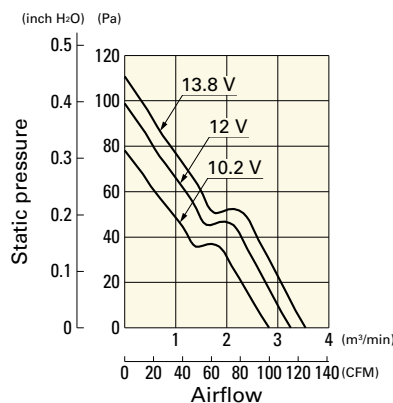
9G1212G401 With pulse sensor

Operating voltage range



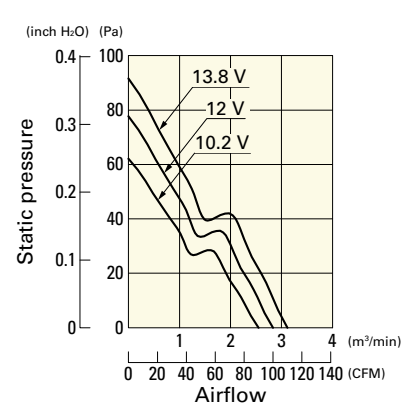
9G1212E401 With pulse sensor

Operating voltage range



9G1212A401 With pulse sensor

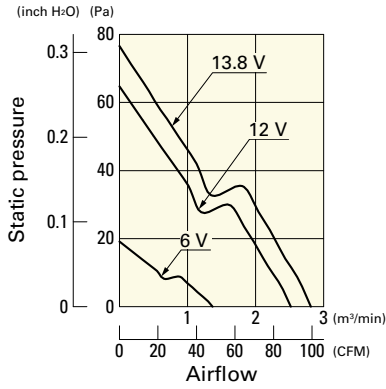
Operating voltage range



Airflow - Static Pressure Characteristics

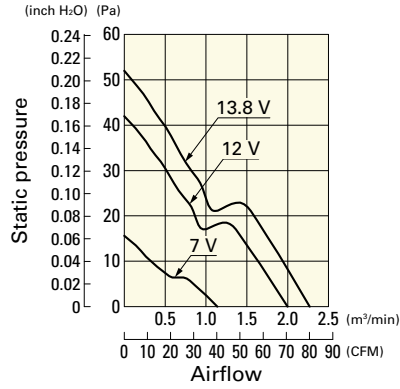
9G1212H401 With pulse sensor

Operating voltage range



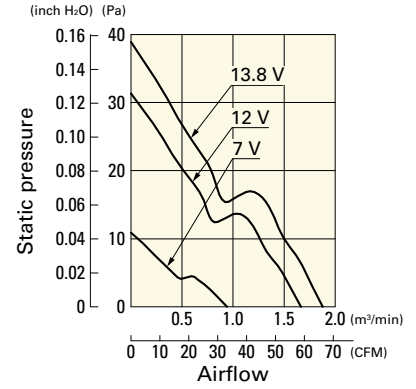
9G1212F401 With pulse sensor

Operating voltage range



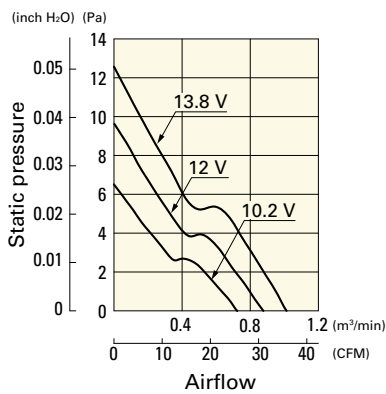
9G1212M401 With pulse sensor

Operating voltage range



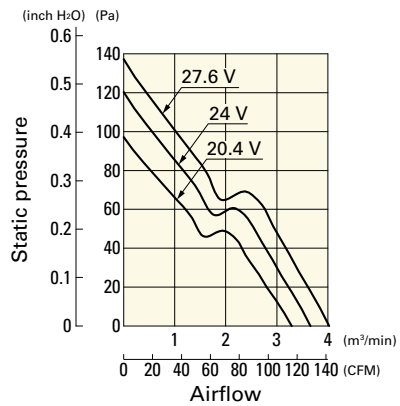
9G1212B401 With pulse sensor

Operating voltage range



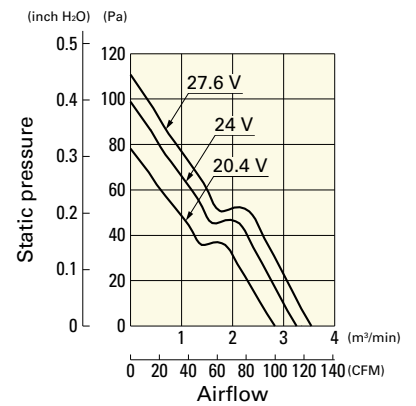
9G1224G401 With pulse sensor

Operating voltage range



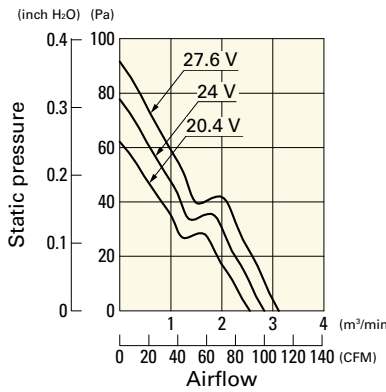
9G1224E401 With pulse sensor

Operating voltage range



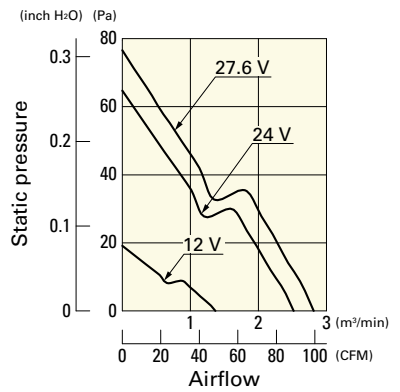
9G1224A401 With pulse sensor

Operating voltage range



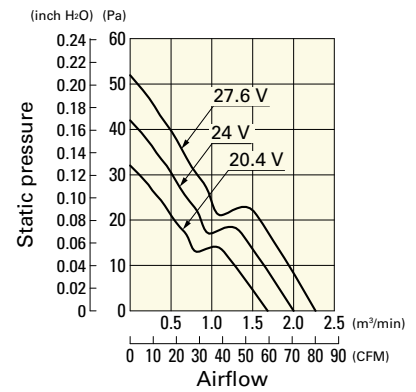
9G1224H401 With pulse sensor

Operating voltage range



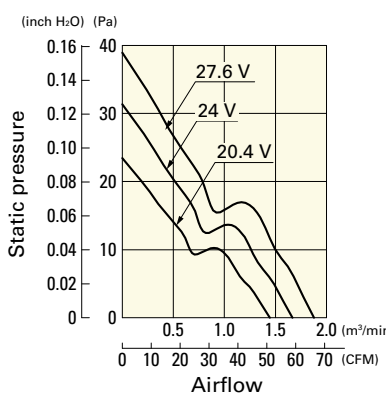
9G1224F401 With pulse sensor

Operating voltage range



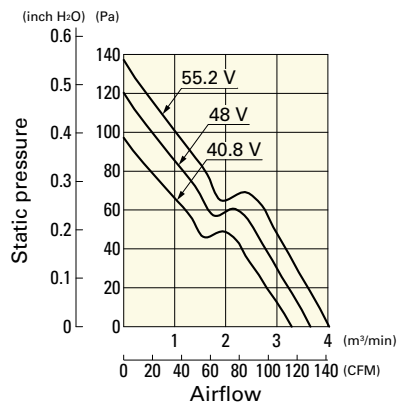
9G1224M401 With pulse sensor

Operating voltage range



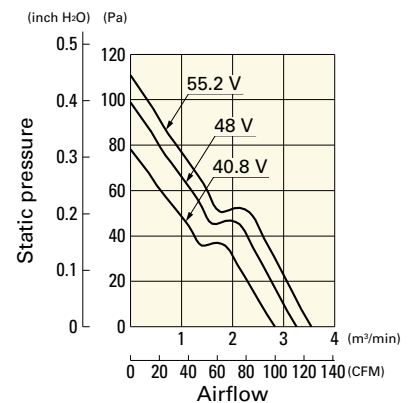
9G1248G401 With pulse sensor

Operating voltage range



9G1248E401 With pulse sensor

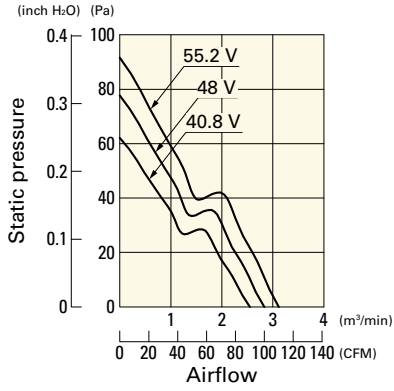
Operating voltage range



Airflow - Static Pressure Characteristics

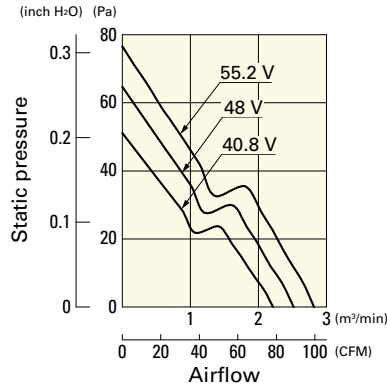
9G1248A401 With pulse sensor

Operating voltage range



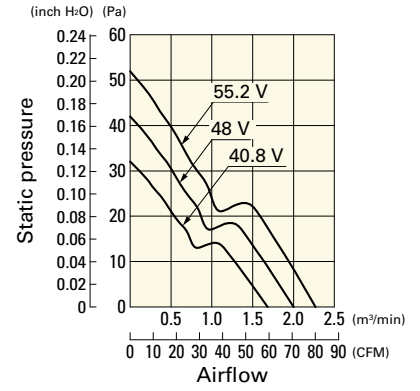
9G1248H401 With pulse sensor

Operating voltage range



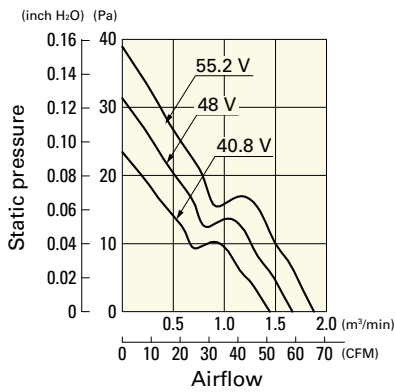
9G1248F401 With pulse sensor

Operating voltage range

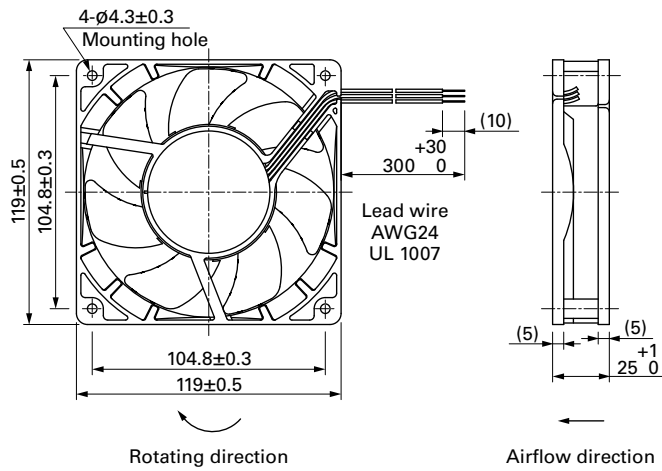


9G1248M401 With pulse sensor

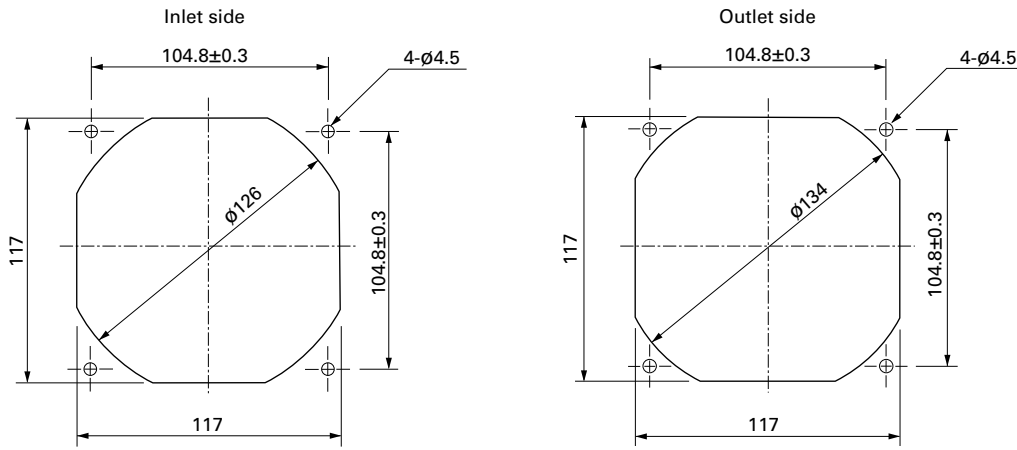
Operating voltage range



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



Resin filter kits

page: p. 592

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

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-  [Sanyo Denki America Inc. Information](#)

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