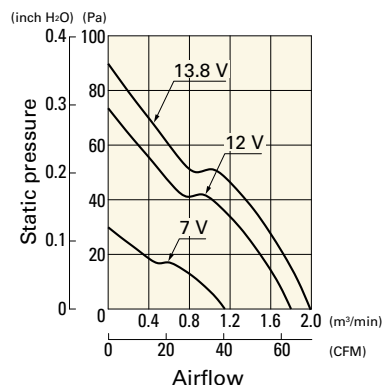


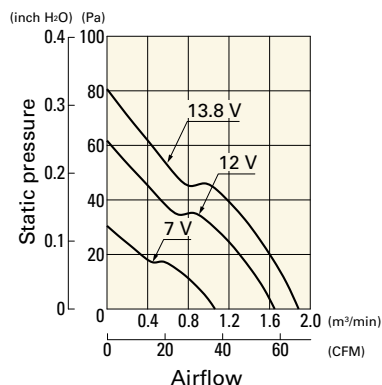
9RA0912G4001 With pulse sensor

Operating voltage range



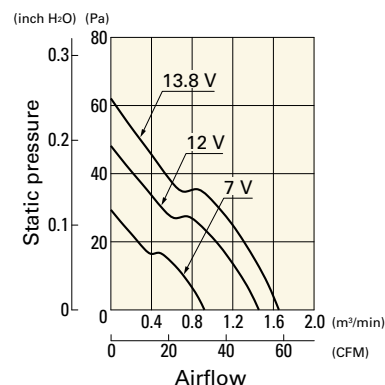
9RA0912S4001 With pulse sensor

Operating voltage range



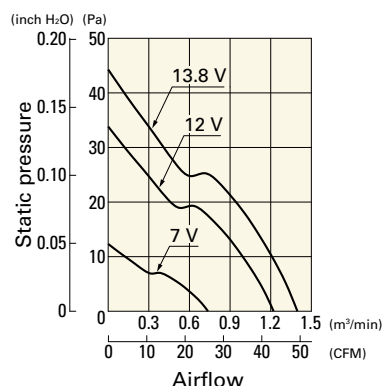
9RA0912H4001 With pulse sensor

Operating voltage range



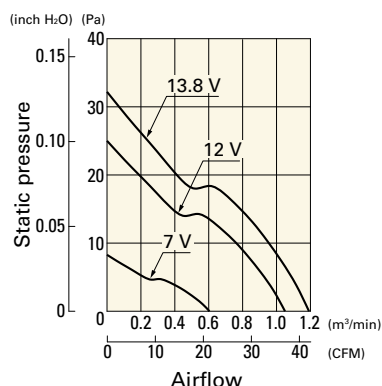
9RA0912F4001 With pulse sensor

Operating voltage range



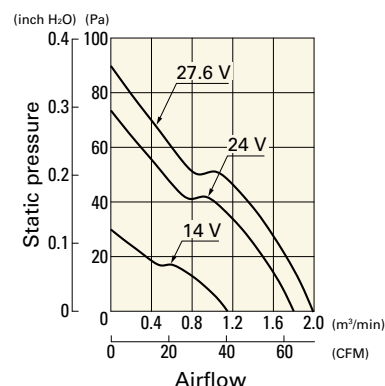
9RA0912M4001 With pulse sensor

Operating voltage range



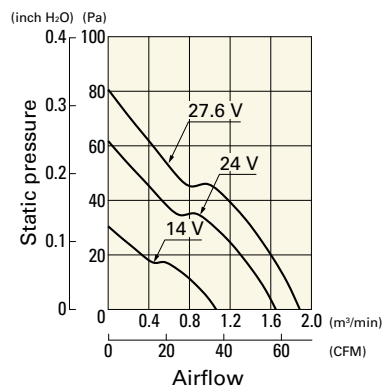
9RA0924G4001 With pulse sensor

Operating voltage range



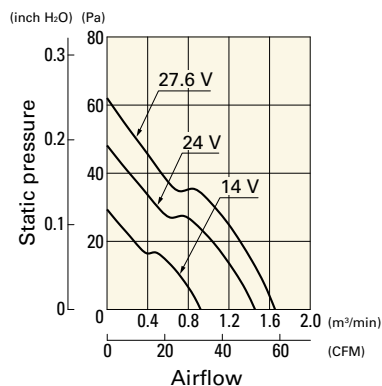
9RA0924S4001 With pulse sensor

Operating voltage range



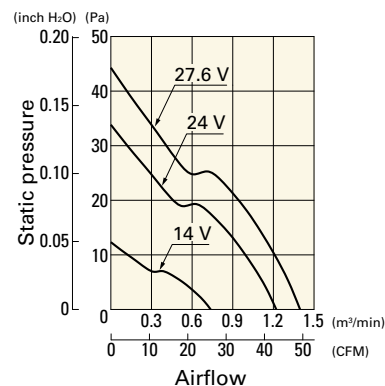
9RA0924H4001 With pulse sensor

Operating voltage range



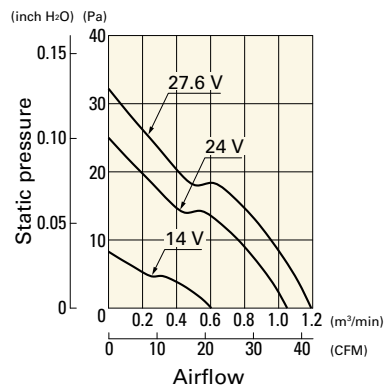
9RA0924F4001 With pulse sensor

Operating voltage range



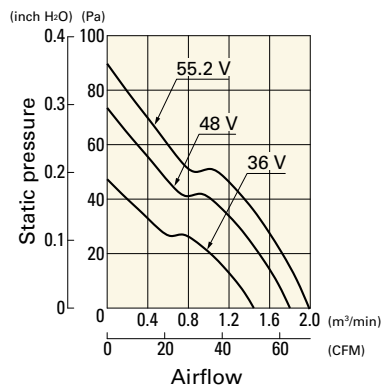
9RA0924M4001 With pulse sensor

Operating voltage range



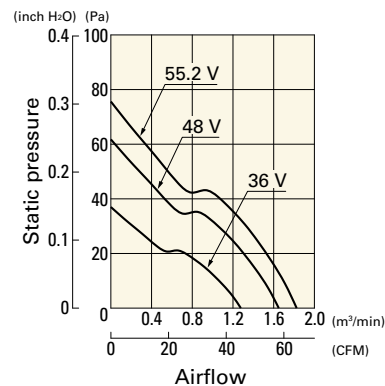
9RA0948G4001 With pulse sensor

Operating voltage range



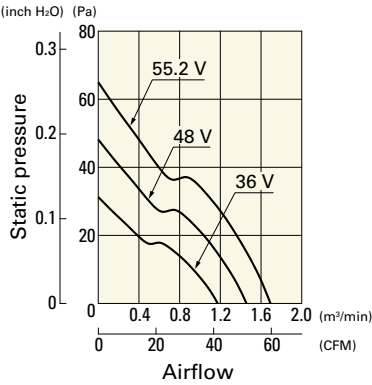
9RA0948S4001 With pulse sensor

Operating voltage range

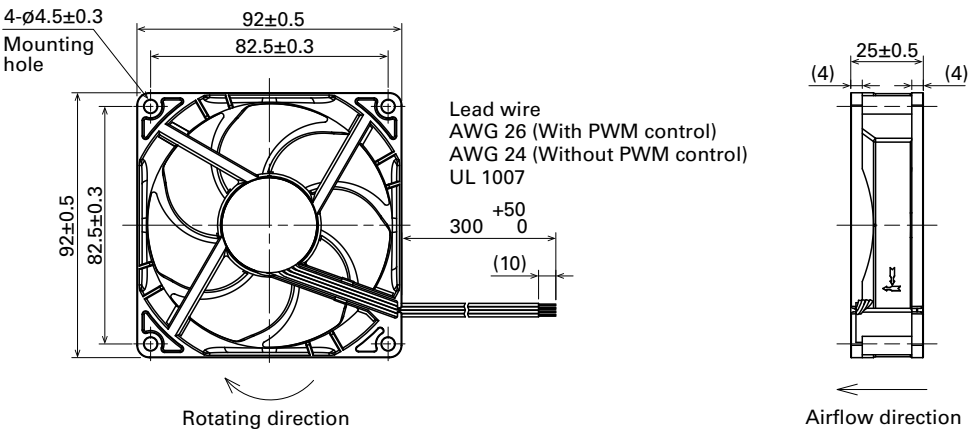


9RA0948H4001 With pulse sensor

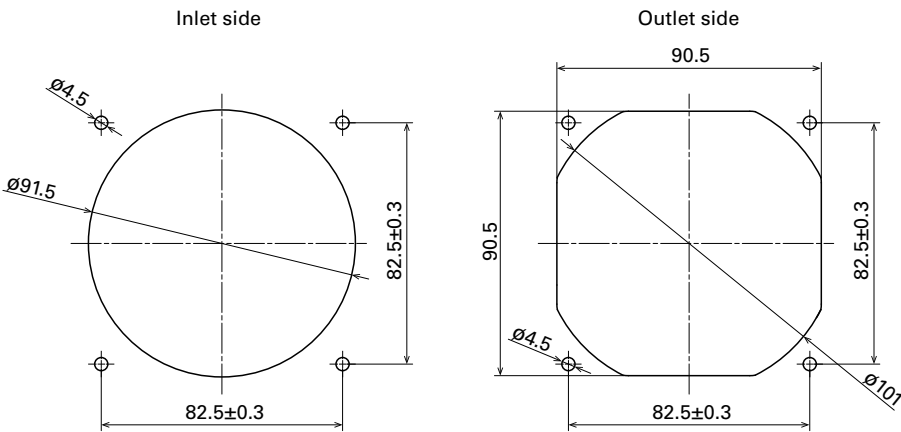
Operating voltage range



Dimensions (unit: mm) (Ribbed frame with pulse sensor with PWM control)



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



Options

Finger guards

page: p. 598

Model no.: 109-099E, 109-099H

Resin finger guards

page: p. 605

Model no.: 109-1001G

Resin filter kits

page: p. 606

Model no.: 109-1001F13 (13PPI), 109-1001F20 (20PPI),
109-1001F30 (30PPI), 109-1001F40 (40PPI)

92×92×25 mm

San Ace 92 9S type Silent Fan 



DC Fan 92 mm sq. D

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. 616.
- Dielectric strength 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance 10 MΩ min. at 500 VDC (between lead wire conductors and frame)
- Sound pressure level (SPL) A-weighted 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 100 g

Specifications

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

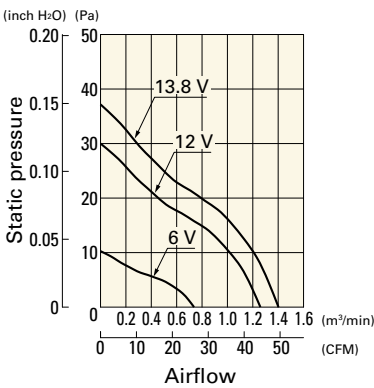
Model no.	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
9S0912F401	12	6 to 13.8	0.14	1.68	2650	1.26 44.5	30.0 0.12	27	-10 to +70	40000/60°C (70000/40°C)
9S0912M401		7 to 13.8	0.11	1.32	2250	1.07 37.8	21.6 0.087	22		
9S0912L401			0.07	0.84	1750	0.83 29.3	13.1 0.053	17		
9S0924F401	24	14 to 26.4	0.09	2.16	2650	1.26 44.5	30.0 0.12	27		
9S0924M401			0.07	1.68	2250	1.07 37.8	21.6 0.087	22		
9S0924L401			0.04	0.96	1750	0.83 29.3	13.1 0.053	17		

Note: Sensor and control options are available for selection. Refer to the table on p. 659.

Airflow - Static Pressure Characteristics

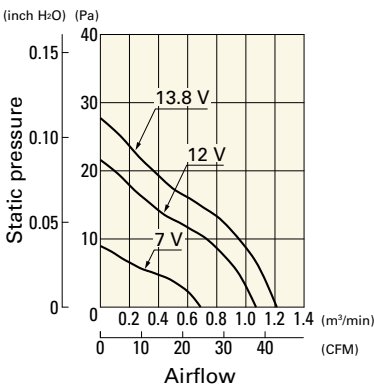
9S0912F401 With pulse sensor

Operating voltage range



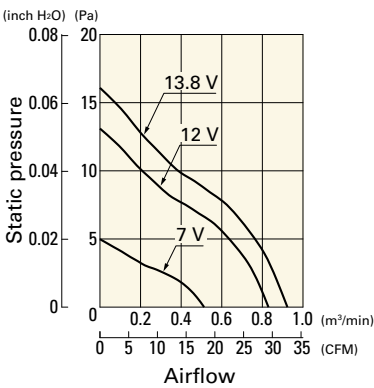
9S0912M401 With pulse sensor

Operating voltage range



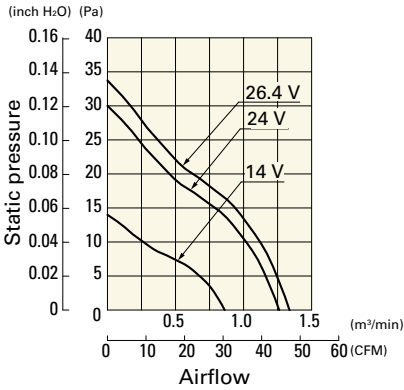
9S0912L401 With pulse sensor

Operating voltage range



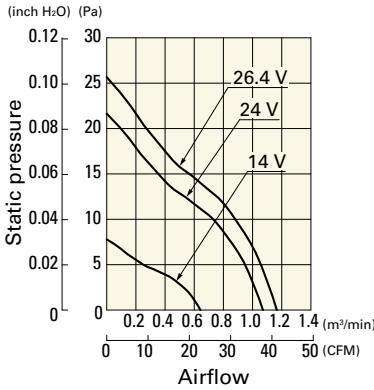
9S0924F401 With pulse sensor

Operating voltage range



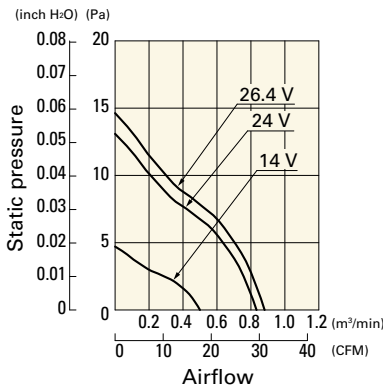
9S0924M401 With pulse sensor

Operating voltage range

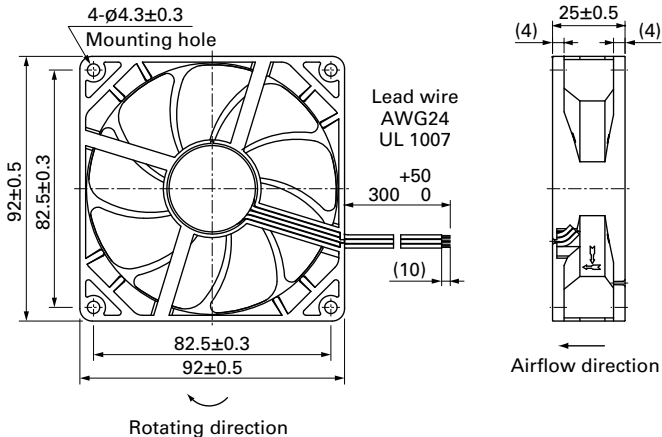


9S0924L401 With pulse sensor

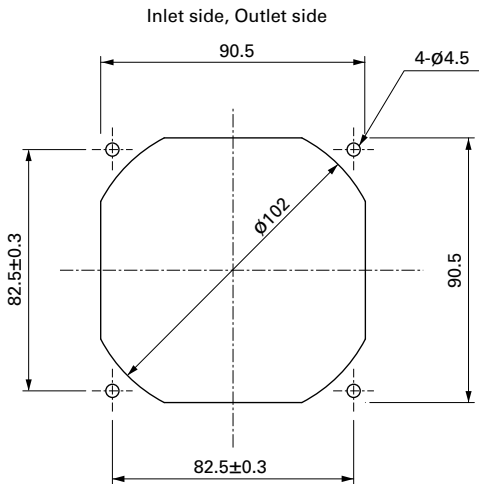
Operating voltage range



Dimensions (unit: mm) (With ribs)



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



Options

Finger guards

page: p. 598

Model no.: 109-099E, 109-099H

Resin finger guards

page: p. 605

Model no.: 109-1001G

Resin filter kits

page: p. 606

Model no.: 109-1001F13 (13PPI), 109-1001F20 (20PPI),
109-1001F30 (30PPI), 109-1001F40 (40PPI)

92x92x32 mm

San Ace 92 9G type



DC Fan 92 mm sq.

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. 616.
- Dielectric strength 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance 10 MΩ min. at 500 VDC (between lead wire conductors and frame)
- Sound pressure level (SPL) A-weighted 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 170 g

Specifications

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

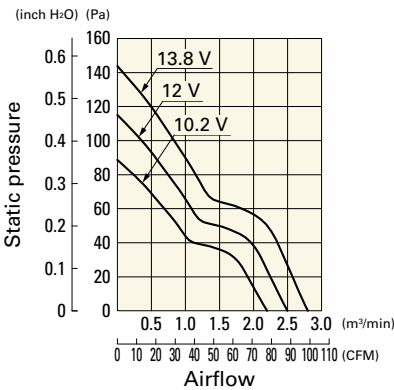
Model no.	Rated voltage [V]	Operating voltage range [V]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. airflow [m³/min] [CFM]		Max. static pressure [Pa] [inchH ₂ O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]		
9G0912A201	12	10.2 to 13.8	0.58	6.96	4300	2.5	88.3	115	0.462	44	-20 to +70	40000/60°C (70000/40°C)		
9G0912S201			0.38	4.56	3500	2.0	70.7	77	0.309	38				
9G0912H201			0.23	2.76	2850	1.59	56.2	51	0.205	32				
9G0912M201			0.13	1.56	2100	1.2	42.4	27	0.108	25				
9G0924A201	24	20.4 to 27.6	0.3	7.2	4300	2.5	88.3	115	0.462	44	-20 to +60		40000/60°C (70000/40°C)	
9G0924S201			0.19	4.56	3500	2.0	70.7	77	0.309	38	-20 to +70			
9G0924H201			0.12	2.88	2850	1.59	56.2	51	0.205	32				
9G0924M201			0.08	1.92	2100	1.2	42.4	27	0.108	25				
9G0948A201	48	40.8 to 55.2	0.16	7.68	4300	2.5	88.3	115	0.462	44				-20 to +70
9G0948S201			0.11	5.28	3500	2.0	70.7	77	0.309	38				
9G0948H201			0.08	3.84	2850	1.59	56.2	51	0.205	32				
9G0948M201			0.05	2.4	2100	1.2	42.4	27	0.108	25				

Note: Sensor and control options are available for selection. Refer to the table on p. 647.

Airflow - Static Pressure Characteristics

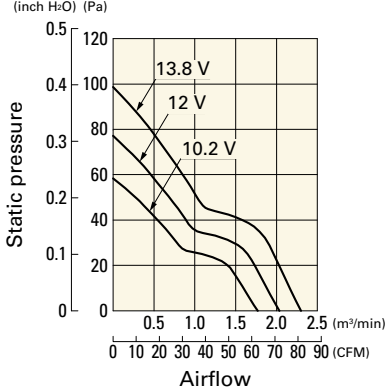
9G0912A201 With pulse sensor

Operating voltage range



9G0912S201 With pulse sensor

Operating voltage range



9G0912H201 With pulse sensor

Operating voltage range

