

DC Fan

80×80×25 mm

San Ace 80 9R type    Model 109R0812E401 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. 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 or Blue Sensor Yellow
- Mass 110 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 [m³/min] [CFM]		Max. static pressure [Pa] [inchH₂O]		SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
»	109R0805F401	5	4.5 to 5.5	0.25	1.25	2600	0.92	32.5	28.4	0.114	26	-20 to +70	60000/60°C (90000/40°C)
»	109R0805M401			0.17	0.85	2350	0.83	29.3	22.5	0.09	23		
»	109R0812G401	12	10.8 to 13.2	0.37	4.44	4500	1.5	53.0	80.4	0.323	40	-20 to +60	40000/60°C (70000/40°C)
»	109R0812E401		6 to 13.8	0.24	2.88	3700	1.31	46.3	57.8	0.232	35		
»	109R0812S401			0.18	2.16	3400	1.2	42.4	48.0	0.193	34		
»	109R0812H401			0.13	1.56	2900	1.03	36.4	35.3	0.142	29		
»	109R0812F401			0.11	1.32	2600	0.92	32.5	28.4	0.114	26		
»	109R0812M401		7 to 13.8	0.09	1.08	2350	0.83	29.3	22.5	0.09	23		
»	109R0812L401			0.06	0.72	1850	0.65	23.0	14.7	0.059	20		
»	109R0824G401		24	20.4 to 26.4	0.2	4.8	4500	1.5	53.0	80.4	0.323	40	-20 to +60
»	109R0824S401	12 to 27.6		0.1	2.4	3400	1.2	42.4	48.0	0.193	34		
»	109R0824H401			0.07	1.68	2900	1.03	36.4	35.3	0.142	29		
»	109R0824F401			0.06	1.44	2600	0.92	32.5	28.4	0.114	26		
»	109R0824M401			0.05	1.2	2350	0.83	29.3	22.5	0.09	23		
»	109R0824L401	14 to 27.6		0.04	0.96	1850	0.65	23.0	14.7	0.059	20		
»	109R0848K401	48	40.8 to 55.2	0.1	4.8	4600	1.56	55.1	88.4	0.355	41	-20 to +60	40000/60°C (70000/40°C)
»	109R0848S401			0.06	2.88	3400	1.2	42.4	48.0	0.193	34	-20 to +70	60000/60°C (90000/40°C)

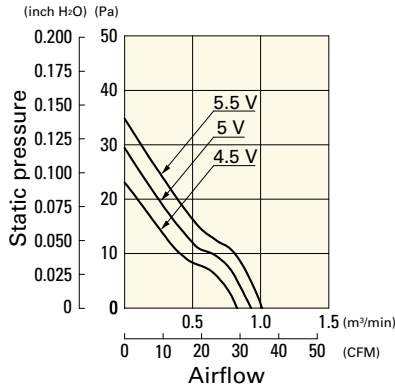
The following sensor and control options are available for selection.

Differs according to the model. Refer to the table on p. 597. Without sensor Lock sensor

The » mark indicates Short LeadTime Service applicable models. See p. 626 for details.

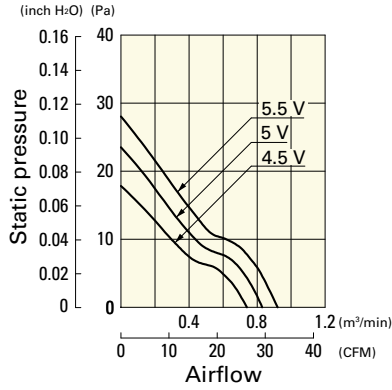
109R0805F401 With pulse sensor

Operating voltage range



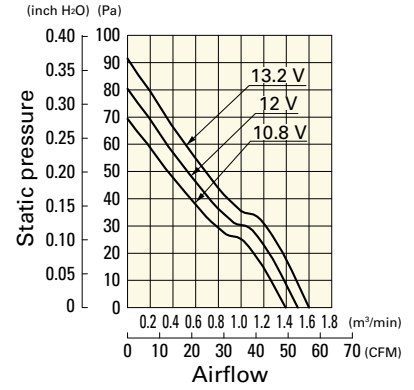
109R0805M401 With pulse sensor

Operating voltage range



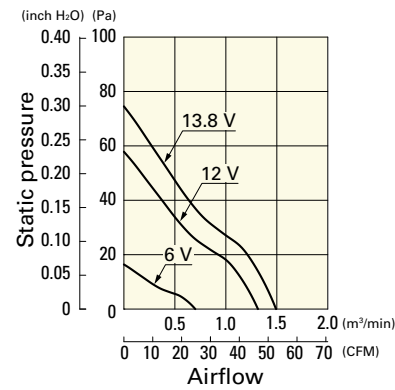
109R0812G401 With pulse sensor

Operating voltage range



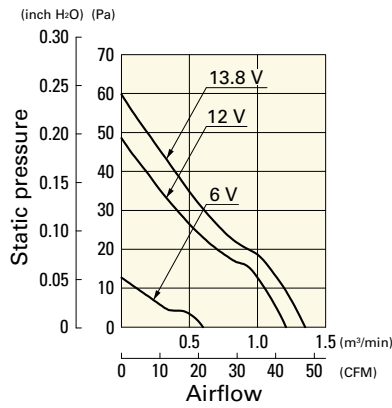
109R0812E401 With pulse sensor

Operating voltage range



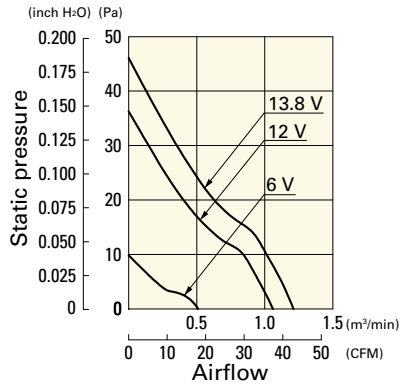
109R0812S401 With pulse sensor

Operating voltage range



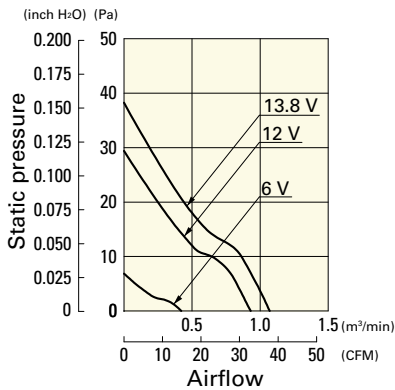
109R0812H401 With pulse sensor

Operating voltage range



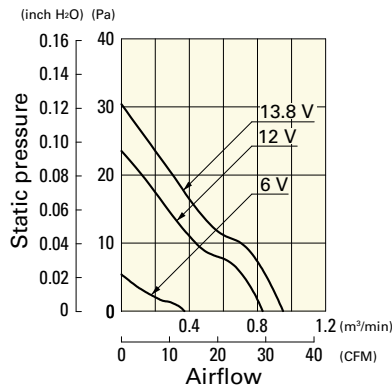
109R0812F401 With pulse sensor

Operating voltage range



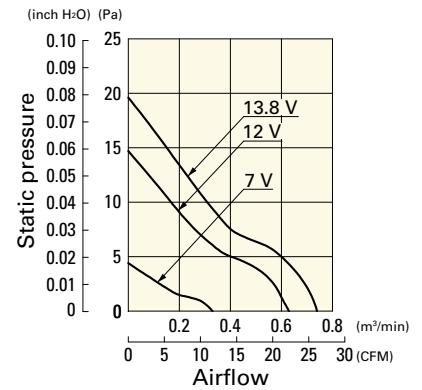
109R0812M401 With pulse sensor

Operating voltage range



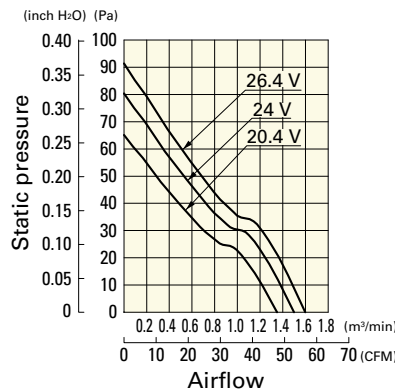
109R0812L401 With pulse sensor

Operating voltage range



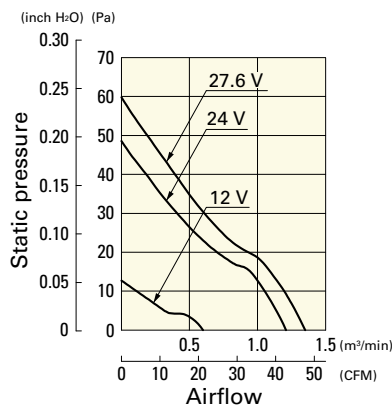
109R0824G401 With pulse sensor

Operating voltage range



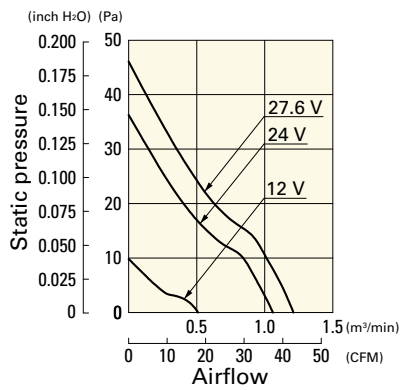
109R0824S401 With pulse sensor

Operating voltage range



109R0824H401 With pulse sensor

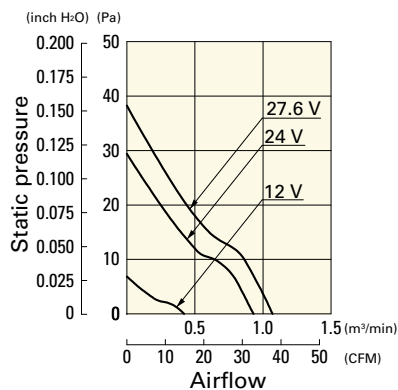
Operating voltage range



Airflow - Static Pressure Characteristic

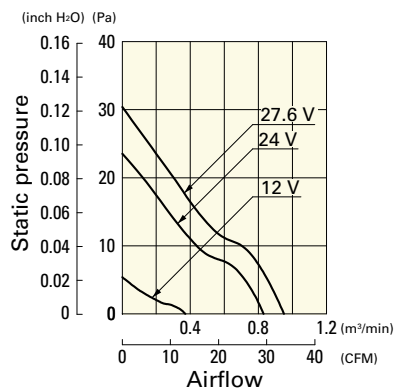
109R0824F401 With pulse sensor

Operating voltage range



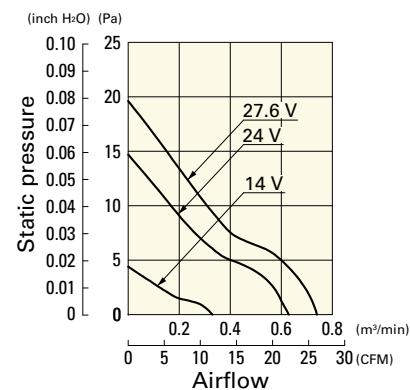
109R0824M401 With pulse sensor

Operating voltage range



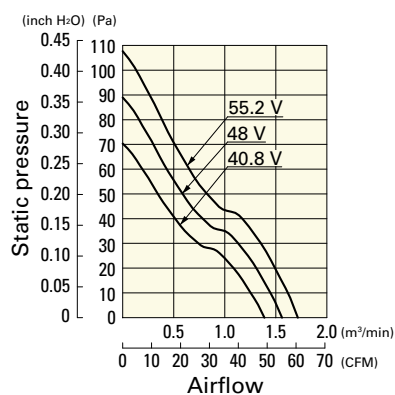
109R0824L401 With pulse sensor

Operating voltage range



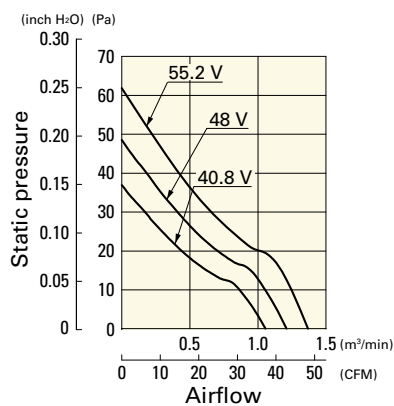
109R0848K401 With pulse sensor

Operating voltage range

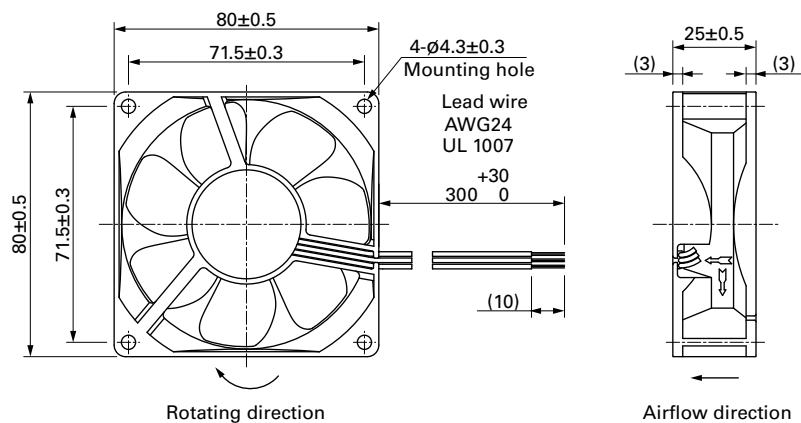


109R0848S401 With pulse sensor

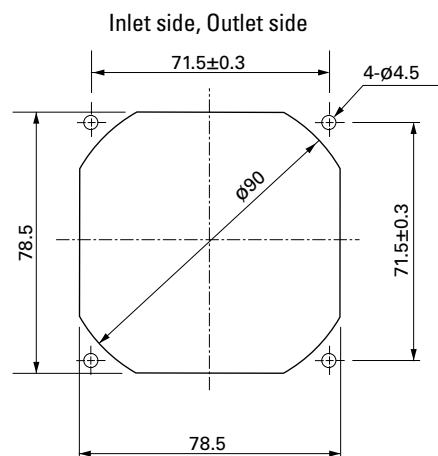
Operating voltage range



Dimensions (unit: mm) (With ribs)



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



Options

Finger guards

page: p. 558

Model no.: 109-049E, 109-049H, 109-049C

Resin finger guards

page: p. 565

Model no.: 109-1002G

Resin filter kits

page: p. 566

Model no.: 109-1002F13 (13PPI), 109-1002F20 (20PPI),
109-1002F30 (30PPI), 109-1002F40 (40PPI)