DC Fan

80×80×38 mm

San Ace 80 9G type ⊛ △ ⓊⓁ

ECO PRODUCTS

■ General Specifications

- · Material ··· Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-0)
- · Expected life ······································ See the table below. (L10 life: 90% survival rate for continuous operation in free air at 60˚C, rated voltage)
- · Motor protection function ·················· Locked rotor burnout protection, Reverse polarity protection
  For details, please refer to p. 547.
- · 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 ··· 170 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]
9G0812K101	12	10.8 to 13.2	1.8	21.6	7800	3.1	107.3	310	1.285	58	-20 to +60	
9G0812G101		7 to 13.8	1.1	13.2	6300	2.55	90	211	0.847	51	-20 to +70	40000/60˚C
9G0812H101			0.9	10.8	5700	2.28	80	171	0.687	49		
9G0824G101	24	20.4 to 27.6	0.56	13.4	6300	2.55	90	211	0.847	51		
9G0824H101			0.42	10.1	5700	2.28	80	171	0.687	49		
9G0848G101	48	40.8 to 55.2	0.27	13.0	6300	2.55	90	211	0.847	51		
9G0848H101			0.2	9.6	5700	2.28	80	171	0.687	49		

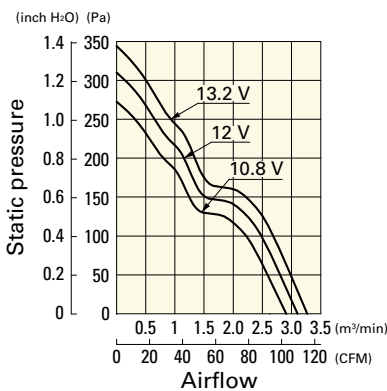The following sensor and control options are available for selection.

Available for all models. **Without sensor**

Differs according to the model. Refer to the table on p. 568. **Lock sensor** **PWM control**
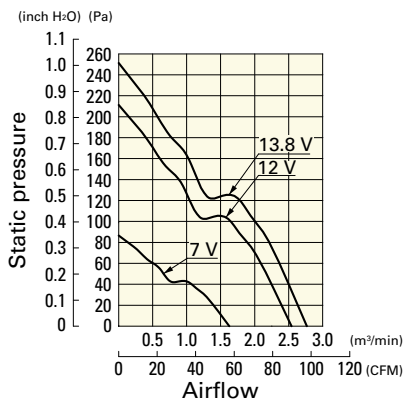
■ Airflow - Static Pressure Characteristics
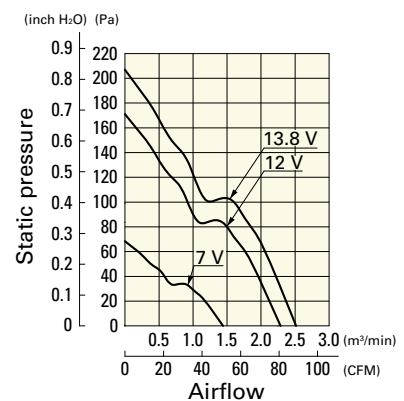
9G0812K101 With pulse sensor

Operating voltage range

9G0812G101 With pulse sensor

Operating voltage range
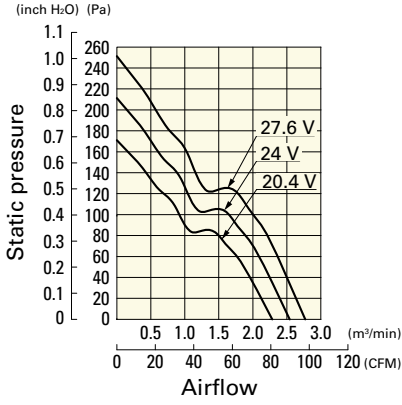

9G0812H101 With pulse sensor

Operating voltage range
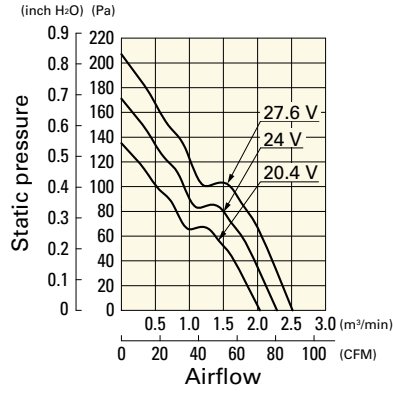
■ Airflow - Static Pressure Characteristics

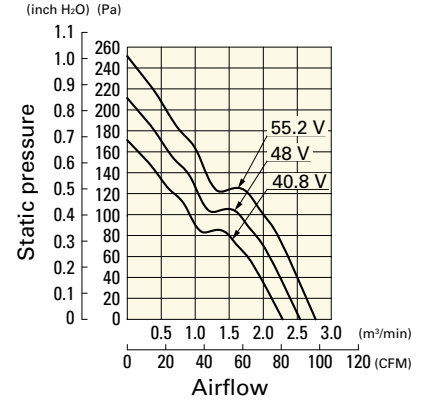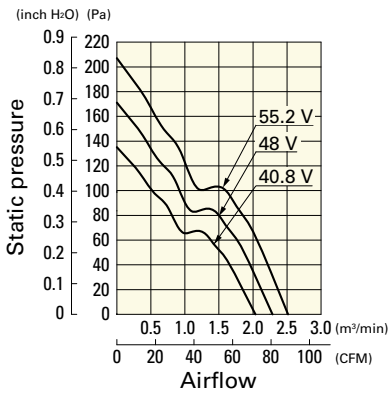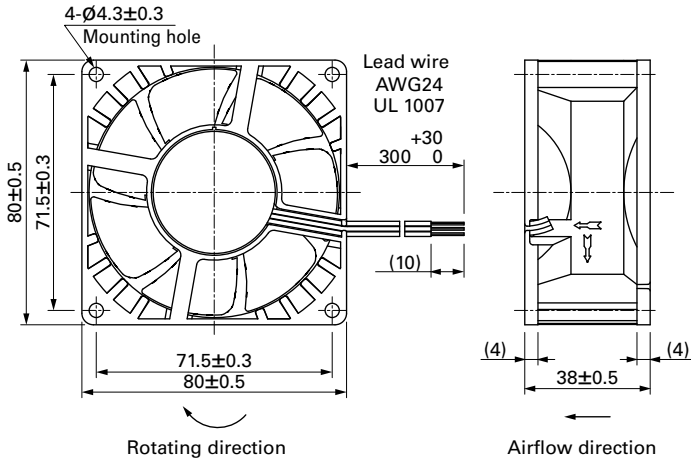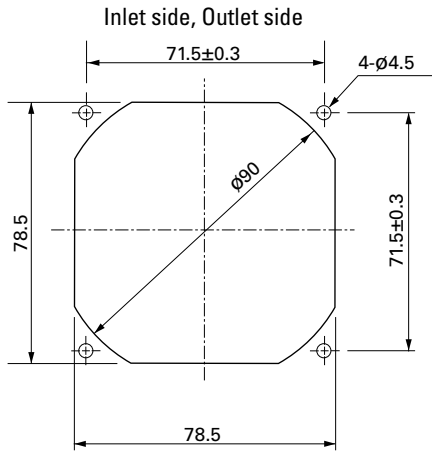### 9G0824G101 With pulse sensor

Operating voltage range

(inch H₂O) (Pa)

Static pressure

27.6 V
24 V
20.4 V

Airflow (m³/min) (CFM)

9G0824H101 With pulse sensor

Operating voltage range

(inch H₂O) (Pa)

Static pressure

27.6 V
24 V
20.4 V

Airflow (m³/min) (CFM)

9G0848G101 With pulse sensor

Operating voltage range

(inch H₂O) (Pa)

Static pressure

55.2 V
48 V
40.8 V

Airflow (m³/min) (CFM)

9G0848H101 With pulse sensor

Operating voltage range

(inch H₂O) (Pa)

Static pressure

55.2 V
48 V
40.8 V

Airflow (m³/min) (CFM)

■ Dimensions (unit: mm) (With ribs)

4-Ø4.3±0.3
Mounting hole

Lead wire
AWG24
UL 1007

300 $^{+30}_{0}$

(10)

80±0.5
71.5±0.3

71.5±0.3
80±0.5

Rotating direction

(4) 38±0.5 (4)

Airflow direction

140

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

Inlet side, Outlet side

71.5±0.3

4-Ø4.5

Ø90

78.5

71.5±0.3

78.5

■ Options

Finger guards
page: p. 532

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

Resin finger guards
page: p. 539

Model no.: 109-1002G

Resin filter kits
page: p. 540

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

Mouser Electronics

Authorized Distributor

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[Sanyo Denki](#):

9G0812G1011 9G0812P1H03 9G0824G1011 9G0812H1011 9G0824H1011 9G0848H1011 9G0824H101
9G0848H101 9G0824G102 9G0848G1011 9G0812G101 9G0812H101 9G0848G101 9G0812P1K081
9G0812K101 9G0824G101 9G0848P1G03 9G0812P1G04 9G0848H1D01 9G0812H102 9G0812P1K08
9G0848G1D01 9G0812G1D01 9G0824G1021 9G0812K1021 9G0824H1D01 9G0848H102 9G0812K1D01
9G0824H1D011 9G0812G1021 9G0848H1021 9G0824H1021 9G0812H1021 9G0812H1D01 9G0848G102
9G0848G1021 9G0824G1D011 9G0812G1D011 9G0824G1D01 9G0812G102 9G0812H1D011 9G0824H102
9G0812K1011 9GA0812G6001 9G0824P1G04 9GA0812G40011 9GA0812G40021 9GA0812G6002
9GA0812G4001 9GA0812G4002 9G0848P1H04 9G0812K102 9G0812P1G081 9G0812P1H051 9GA0812G7001
9G0848G1D011