

80mm sq.**San Ace 80****General Specifications**

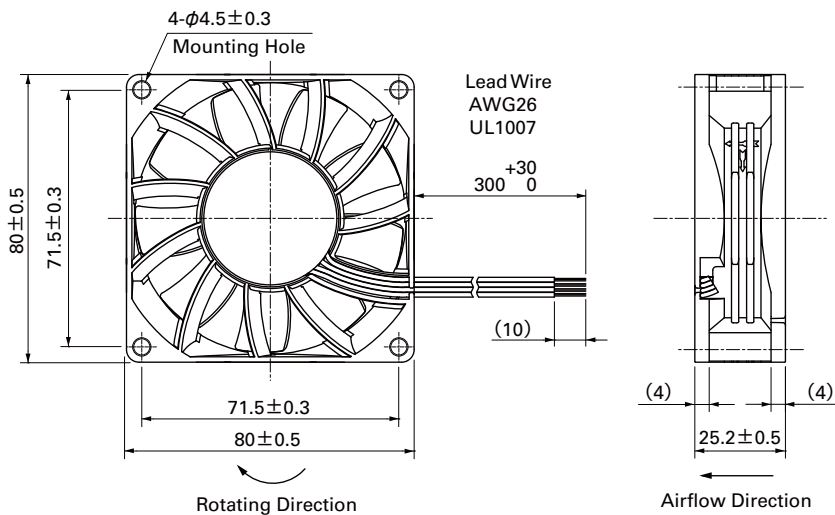
- Material.....Frame: Plastics (Flammability: UL94V-0),
Impeller: Plastics (Flammability: UL94V-1)
- Expected LifeRefer to specifications (L10:Survival rate:90% at 60°C ,
rated voltage, and continuously run in a free air state)
- Lead Wire⊕red ⊖black (Sensor) yellow (Control) brown
- Storage Temperature ...-30°C to +70°C (Non-condensing)

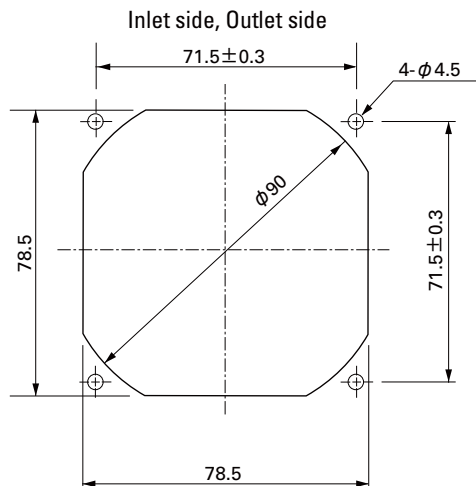
80×80×25mm (Mass : 125g) **9GV type** **Specifications** The following nos. **have PWM controls, pulse sensors, and ribs.** For ribless, append "1" to the model no.

Model No.	Rated Voltage [V]	Operating Voltage Range [V]	PWM duty cycle※ [%]	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]
9GV0812P4K03	12	10.2 to 13.8	100	0.87	10.4	5,600	2.12 74.8	173.0 0.69	52	-20 to +70	40,000/60°C
			0	0.10	1.2	1,400	0.50 18.7	10.3 0.04	18		
9GV0812P4J03			100	0.47	5.6	4,500	1.72 60.7	110.0 0.44	46		
			0	0.07	0.8	1,200	0.45 16.2	7.5 0.03	14		
9GV0824P4K01	24	20.4 to 27.6	100	0.44	10.56	5,600	2.12 74.8	173.0 0.69	52		
			0	0.06	1.44	1,400	0.53 18.7	10.8 0.04	18		
9GV0848P4K03	48	43 to 53	100	0.22	10.56	5,600	2.12 74.8	173.0 0.69	52		
			0	0.04	1.92	1,500	0.57 20.1	12.4 0.05	19		

※PWM Frequency : 25kHz

Models without sensors, or with pulse sensors (no PWM control function), or lock sensors are available as options. Please refer to the index (p. 477).

Dimensions (unit: mm) (With ribs)

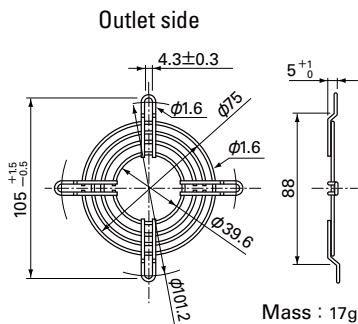


Options (unit: mm)

Finger Guards

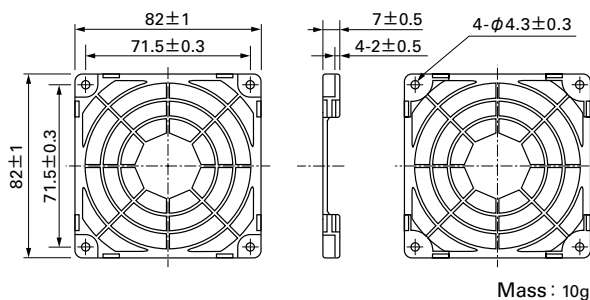
Model : 109-049C Surface treatment : Nickel-chrome plating (silver)

Color



Resin Finger Guards

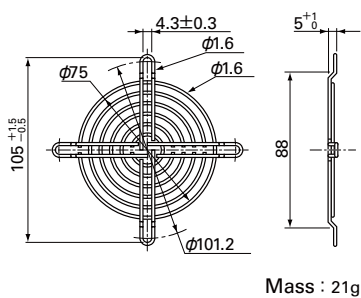
Model : 109-1002G



Model : 109-049E Surface treatment : Nickel-chrome plating (silver) Color
 : 109-049H : Cation electropainting (black)

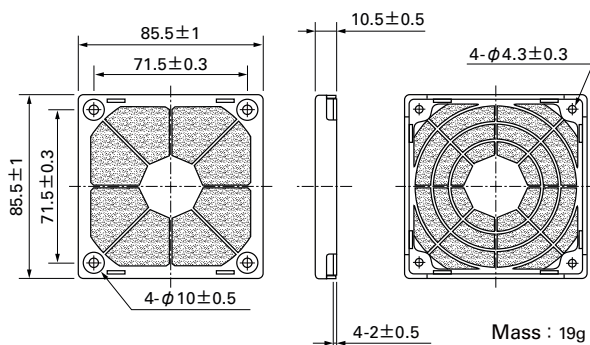
Color

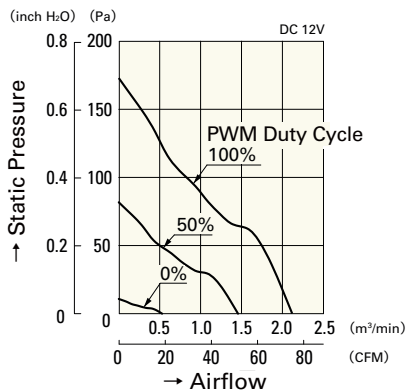
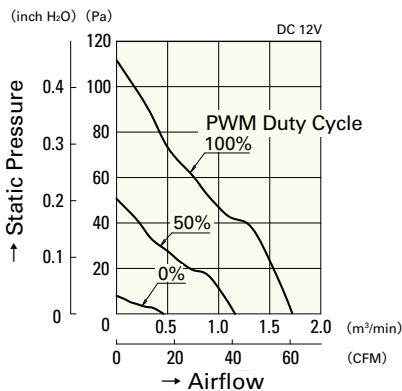
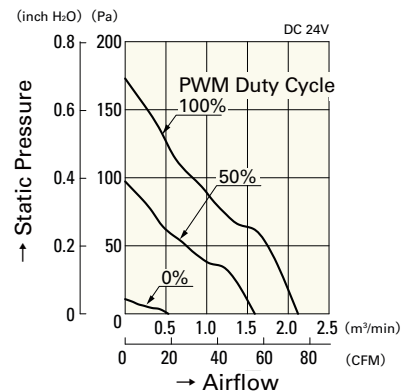
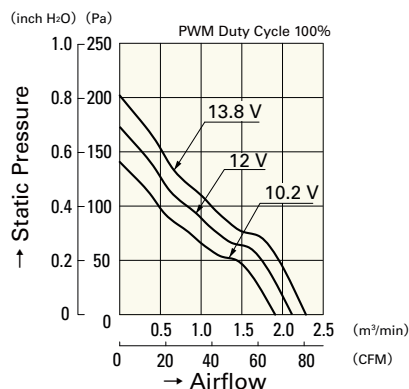
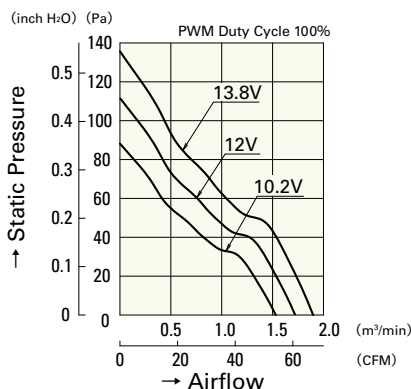
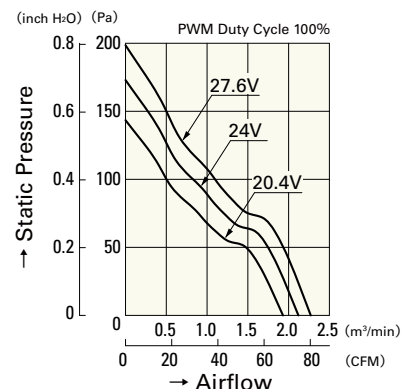
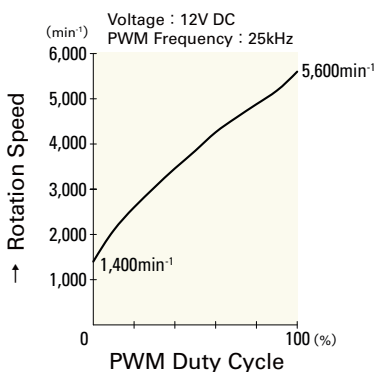
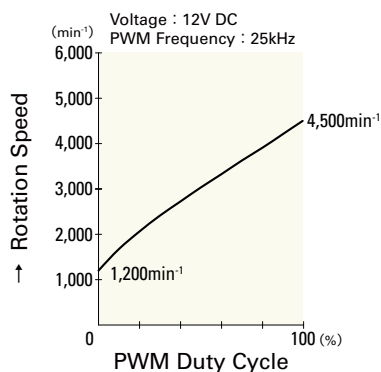
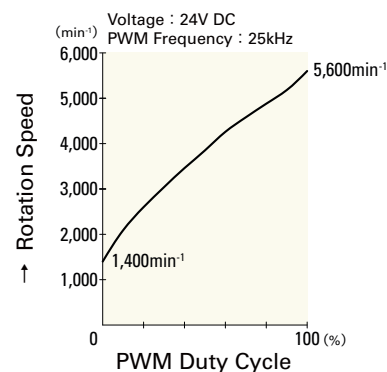
Inlet side, Outlet side

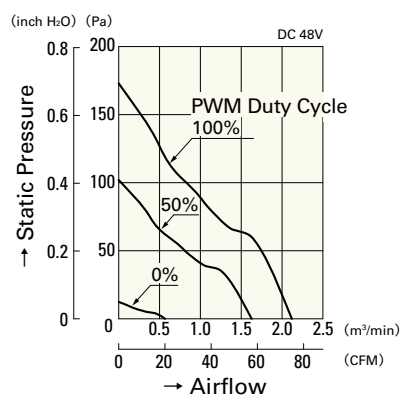


Resin Filter Kits

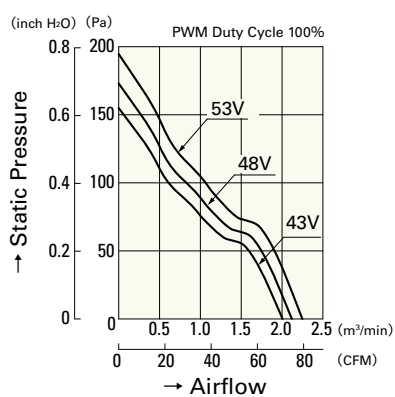
Model : 109-1002F13 (13PPI), 109-1002F20 (20PPI)
: 109-1002F30 (30PPI), 109-1002F40 (40PPI)



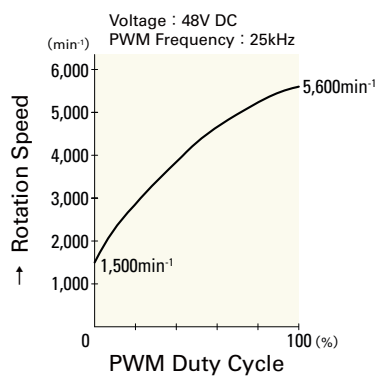
80mm sq.**San Ace 80****80×80×25mm** [Mass : 125g]**Airflow - Static Pressure Characteristics****PWM Duty Cycle****9GV0812P4K03****9GV0812P4J03****9GV0824P4K01****Operating Voltage Range****9GV0812P4K03****9GV0812P4J03****9GV0824P4K01****PWM Duty - Speed Characteristics Example****9GV0812P4K03****9GV0812P4J03****9GV0824P4K01**



9GV0848P4K03



9GV0848P4K03



9GV0848P4K03

Part Numbering System

Not every combination of the following codes or characters is available. Contact us for an available combination.

9GV	12	12	J	1	01	1
Type name / frame material 109P / Plastics 109R / Plastics 9GA / Plastics 9S / Plastics 9GV / Plastics Aluminum 9GE / Aluminum 9G / Plastics 9A / Plastics 9SG / Aluminum 109E / Aluminum 9EC / Aluminum 9GX / Plastics 9GAX / Plastics	Frame size 36 : 36×36mm 03 : 38×38mm 04 : 40×40mm 05 : 52×52mm 06 : 60×60mm 08 : 80×80mm 09 : 92×92mm 12 : 120×120mm 13 : 127×127mm 14 : 140×140mm 15 : 150×150mm 17 : ϕ 172mm 47 : ϕ 172mm×147mm (sidecut) 57 : ϕ 172mm×150mm (sidecut) 20 : ϕ 200mm	Voltage 05 : 5V 12 : 12V 24 : 24V 48 : 48V etc	Speed code A, B, C, D, E, F, G, H, J, K, L, M, S, W etc	Frame thickness 0 : 70mm 1 : 38mm thick 2 : 32mm thick 3 : 28mm thick 4 : 25mm thick 5 : 50mm thick 51mm thick 6 : 20mm thick 7 : 15mm thick 9 : 10mm thick	Sensor specifications 01 or 001 : With a pulse sensor 02 or 002 : Without a sensor D01 or D001 : With a lock sensor	Frame form Nil : Plastics frame: Ribbed frame Aluminum frame: Ribless frame 1 : Plastics frame: Ribless frame 3 : 40×40×28mm for 1U applications Plastics frame: Ribbed frame

Fans with PWM control function

Example :

9GV	12	12	P	4	G	01	
Type name / frame material 9GV / Plastics Aluminum	Frame size 12 : 120×120mm	Voltage 12 : 12V	PWM control function	Frame thickness	Speed code	Individual customer's spec 2 to 4 digits	Frame form Nil : Plastics frame: Ribbed frame Aluminum frame: Ribless frame