

60mm sq.

San Ace 60

15mm thick (GA type)
20mm thick (GA type)
38mm thick (GA type)



General Specifications With a pulse sensor Specifications for pulse sensors ⇨ Refer to Page 309

With PWM speed control function Refer to Page 311

- Material Frame: Plastics (Flammability: UL94V-0),
Impeller: Plastics (Flammability: UL94V-0)
- Expected Life Varies for each model (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)

60×60×38mm (Mass : 130g)

GA type



Specifications To order a ribless type, replace the last digits of a model number with digits in parenthesis.

Model No.	Rated Voltage [V]	Operating Voltage Range [V]	PWM duty cycle ^{Note1)} [%]	Rated Current [A]	Rated Input [W]	Rated Speed [min ⁻¹]	Max. Air Flow [m ³ /min] [CFM]	Max. Static Pressure [Pa] [inchH ₂ O]	SPL [dB(A)]	Operating Temperature [°C]	Expected Life ^{Note2)} [h]
9GA0612P1J03(031)	12	10.8 to 12.6	100	1.50	18.00	17,500	1.75 62	820 3.3	63	-10 to +60	40,000
			20	0.10	1.20	4,000	0.40 14	43 0.17	24		
9GA0612P1K03(031)		10.8 to 13.2	100	0.95	11.40	14,800	1.50 53	600 2.4	59	-10 to +70	40,000/60°C (70,000/40°C)
			20	0.10	1.20	4,000	0.40 14	43 0.17	24		
9GA0612P1H03(031)			100	0.55	6.60	11,500	1.15 40	375 1.5	52		
			20	0.06	0.72	2,600	0.27 9.5	20 0.08	19		
9GA0612P1K60(601)			100	0.95	11.40	14,800	1.50 53	675 2.7	59	-10 to +60	40,000
			0	0.05	0.60	1,480	0.134 4.7	8.3 0.03	16		
9GA0624P1J03(031)	24	21.6 to 25.2	100	0.75	18.00	17,500	1.75 62	820 3.3	63	-10 to +60	40,000
			20	0.10	2.40	6,200	0.63 22	104 0.42	35		

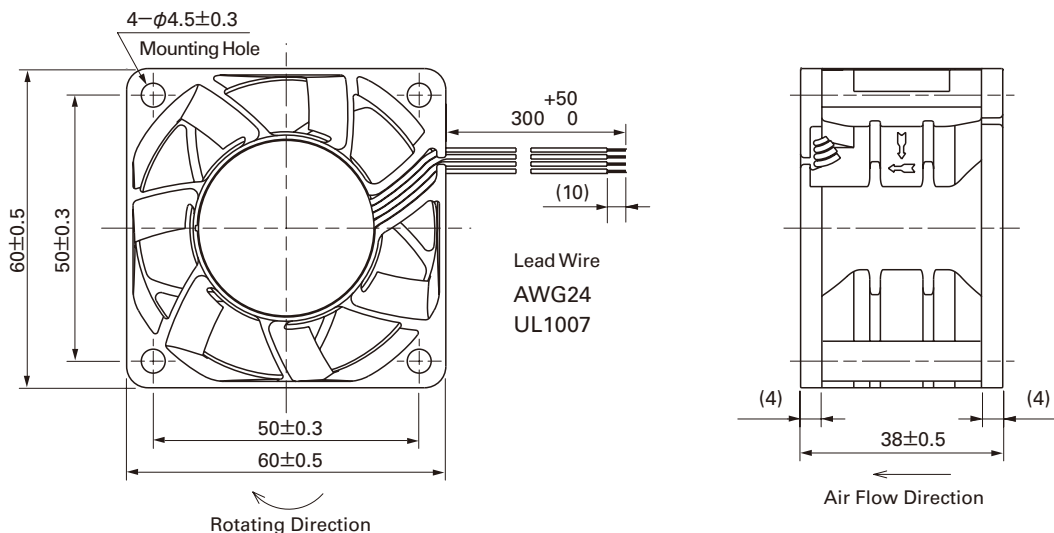
Note 1: 9GA0612P1J03(031), 9GA0612P1K03(031), 9GA0612P1H03(031) does not rotate when PWM duty cycle is 0%.

Note 2: Expected life at 40°C ambient is just reference value.

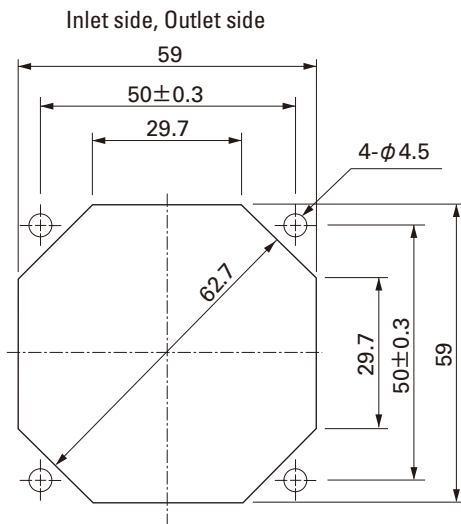
※PWM Frequency : 25kHz

Without Sensor Pulse Sensor PWM Control Available upon request for all the models above.

Dimensions (Unit : mm) (With ribs)



Reference dimension of mounting holes and vent opening (Unit : mm)

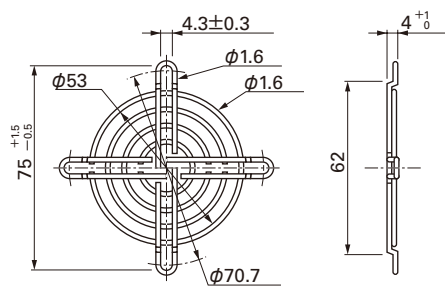


Options (Unit : mm)

Finger guards

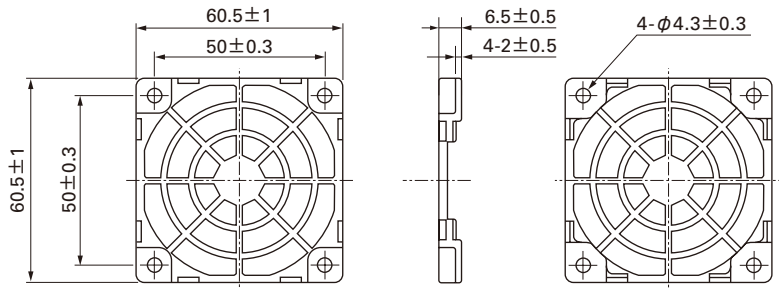
Model : 109-139E Surface treatment : Nickel-chrome plating (silver) Color : 109-139H : Cation electropainting (black)

Inlet side, Outlet side



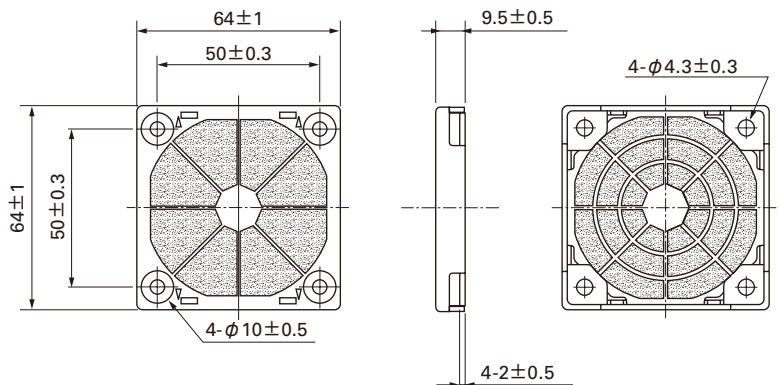
Resin finger guards

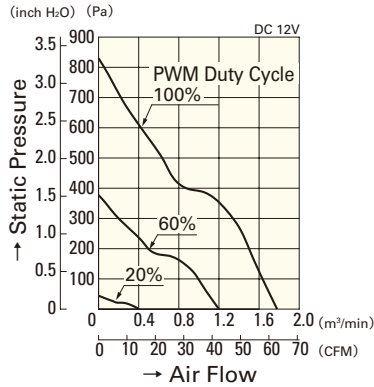
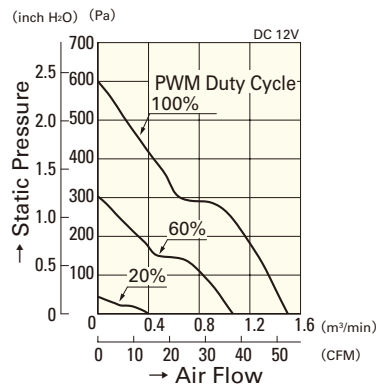
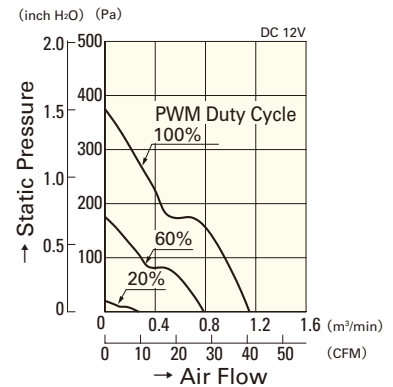
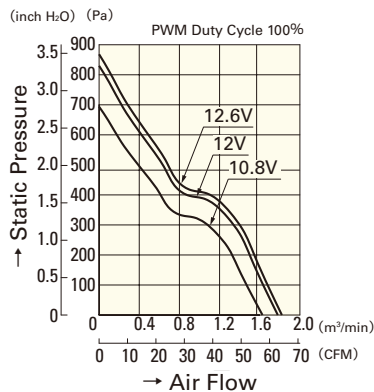
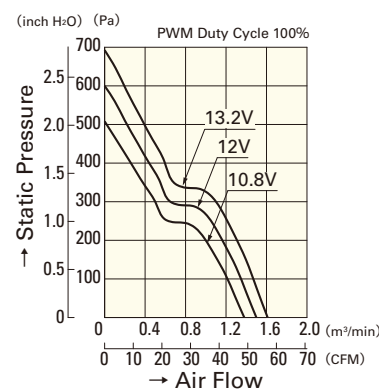
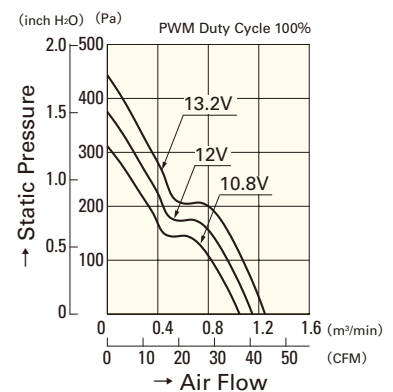
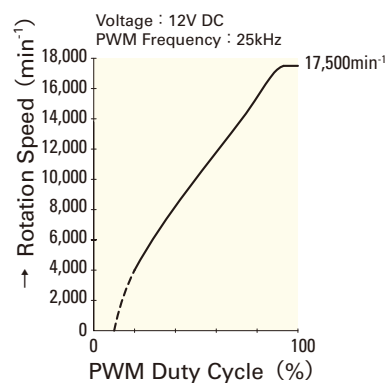
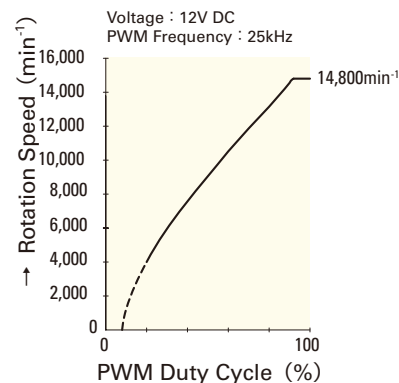
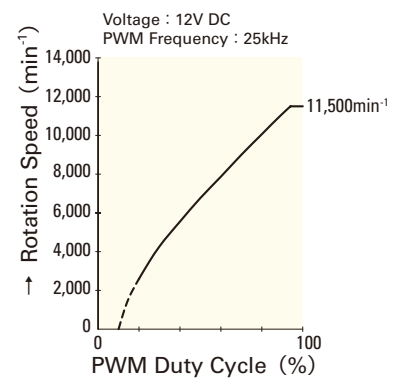
Model : 109-1003G

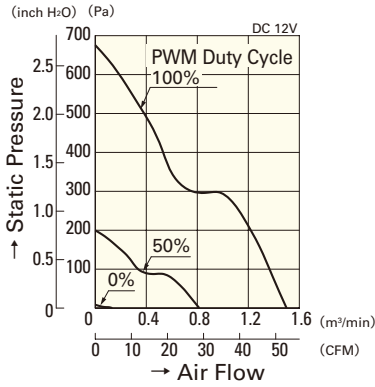


Resin filter kits

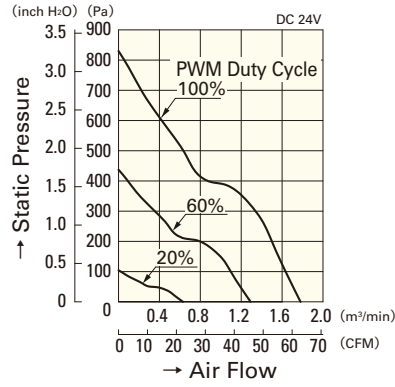
Model : 109-1003F13 (13PPI), 109-1003F20 (20PPI)
: 109-1003F30 (30PPI), 109-1003F40 (40PPI)



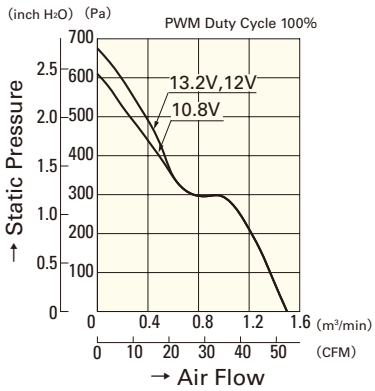
60mm sq.**San Ace 60****60×60×38mm** [Mass : 130g]**Air Flow - Static Pressure Characteristics****PWM Duty Cycle****9GA0612P1J03(031)****9GA0612P1K03(031)****9GA0612P1H03(031)****Operating Voltage Range****9GA0612P1J03(031)****9GA0612P1K03(031)****9GA0612P1H03(031)****PWM Duty - Speed Characteristics Example****9GA0612P1J03(031)****9GA0612P1K03(031)****9GA0612P1H03(031)**



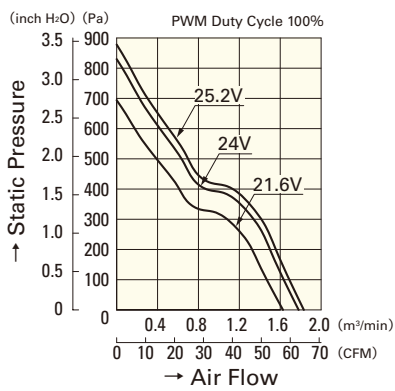
9GA0612P1K60(601)



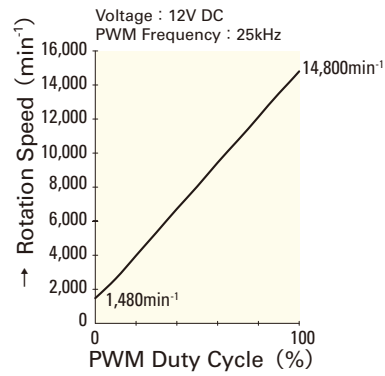
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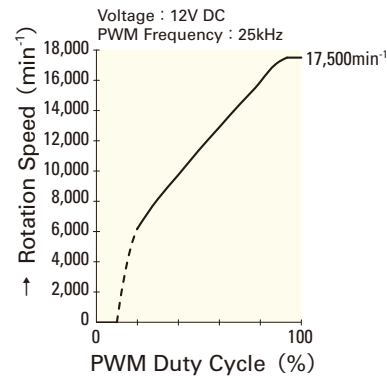
9GA0612P1K60(601)



9GA0624P1J03 (031)



9GA0612P1K60(601)



9GA0624P1J03 (031)