

60mm sq.**San Ace 60****General Specifications**

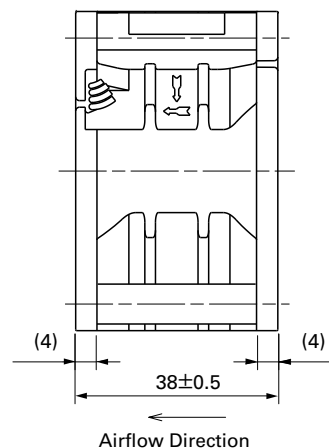
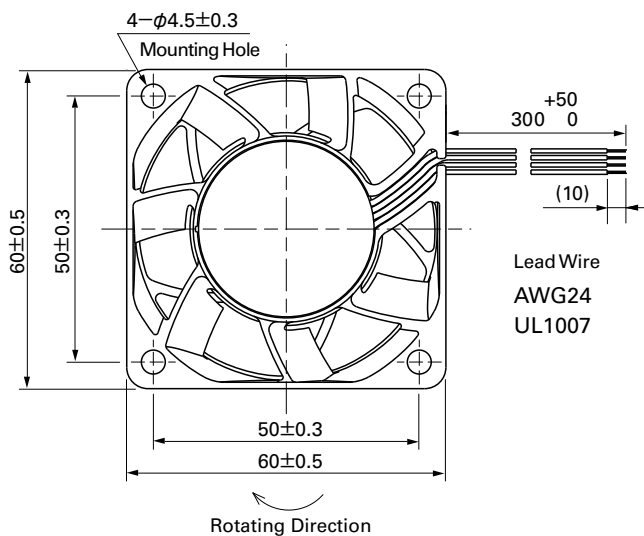
- Material Frame: Plastics (Flammability: UL94V-0),
Impeller: Plastics (Flammability: UL94V-0)
- Expected Life Refer to specifications (L10: Survival rate: 90% at 60°C ,
rated voltage, and continuously run in a free air state)
- Lead Wire ⊕red ⊖black (Sensor) yellow (Control) brown
- Storage Temperature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

60×60×38mm [Mass : 130g] **9GA type** **Low Power Consumption Fan****Specifications** The following nos. **have PWM controls, pulse sensors, and ribs.** For ribless, append "1" to the model no.

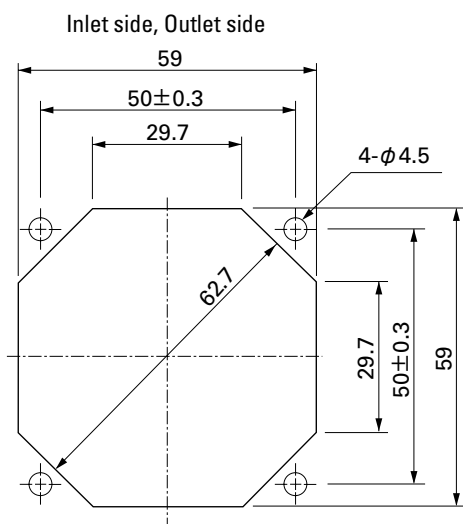
Model No.	Rated Voltage [V]	Operating Voltage Range [V]	PWM duty cycle ^{Note)*} [%]	Rated Current [A]	Rated Input [W]	Rated Speed [min ⁻¹]	Max. Airflow [m³/min] [CFM]		Max. Static Pressure [Pa] [inchH ₂ O]		SPL [dB(A)]	Operating Temperature [°C]	Expected Life [h]	
9GA0612P1J03	12	10.8 to 12.6	100	1.50	18.00	17,500	1.75	62	820	3.3	63	-20 to +60	40,000/60°C (70,000/40°C)	
20			0.10	1.20	4,000	0.40	14	43	0.17	24				
9GA0612P1K03		10.8 to 13.2	100	0.95	11.40	14,800	1.50	53	600	2.4	59	-20 to +70		
20			0.10	1.20	4,000	0.40	14	43	0.17	24				
9GA0612P1H03			100	0.55	6.60	11,500	1.15	40	375	1.5	52			-20 to +60
20			0.06	0.72	2,600	0.27	9.5	20	0.08	19				
9GA0612P1K60			100	0.95	11.40	14,800	1.50	53	675	2.7	59	-20 to +60		
0			0.05	0.60	1,480	0.134	4.7	8.3	0.03	16				
9GA0624P1J03	24	21.6 to 25.2	100	0.75	18.00	17,500	1.75	62	820	3.3	63	-20 to +60		
20			0.10	2.40	6,200	0.63	22	104	0.42	35				
9GA0624P1K03		21.6 to 26.4	100	0.5	12	14,800	1.5	53.0	600	2.4	59	-20 to +70		
20			0.06	1.44	5,000	0.5	17.7	70	0.28	28				

Note: 9GA0612P1J03, 9GA0612P1K03, 9GA0612P1H03, 9GA0624P1J03, 9GA0624P1K03 does not rotate when PWM duty cycle is 0%. *PWM Frequency : 25kHz

Other sensor specifications are available as options. Please refer to the index (p. 505).

Dimensions (unit: mm) (With ribs)

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

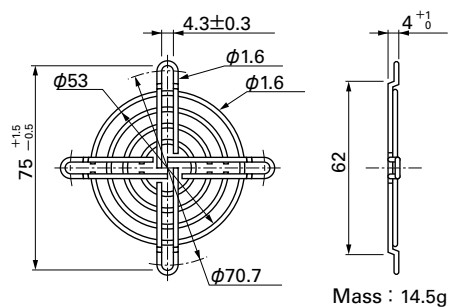


Options (unit: mm)

Finger Guards

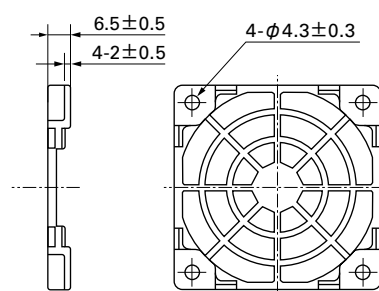
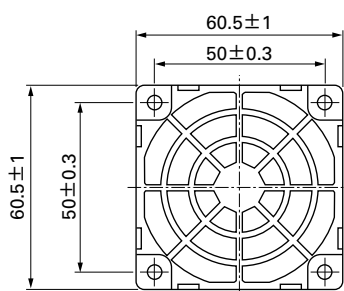
Model : 109-139E Surface treatment : Nickel-chrome plating (silver) Color
: 109-139H : Cation electropainting (black)

Inlet side, Outlet side



Resin Finger Guards

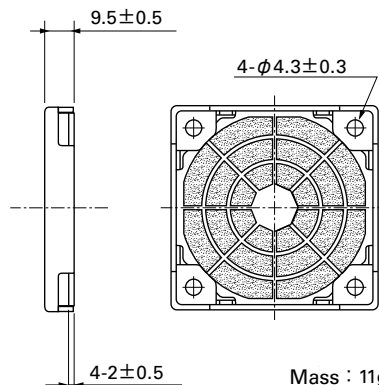
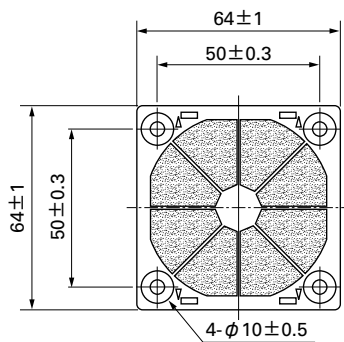
Model : 109-1003G



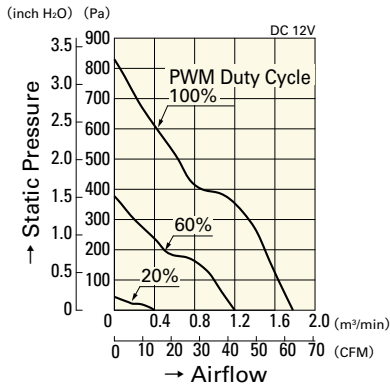
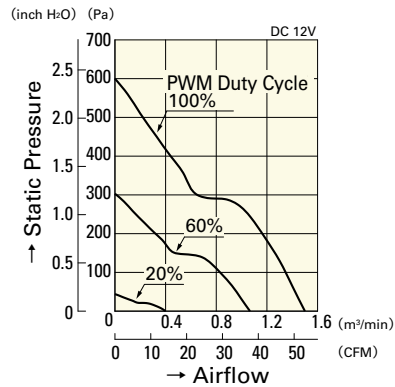
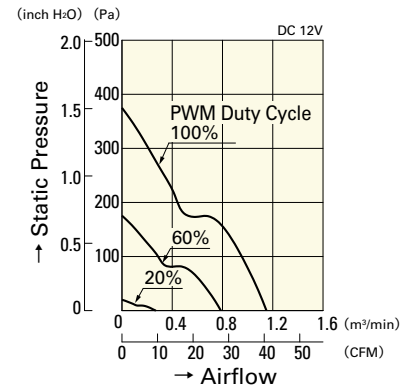
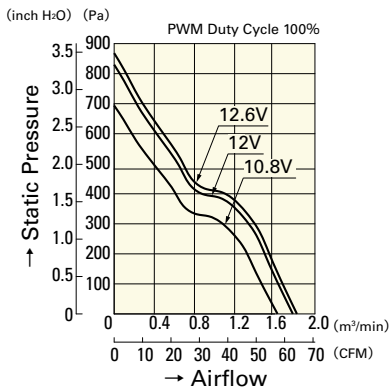
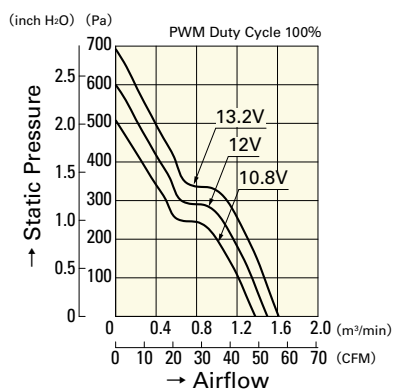
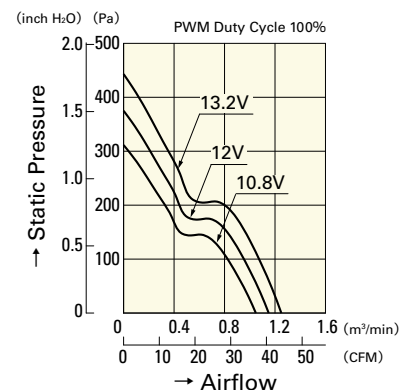
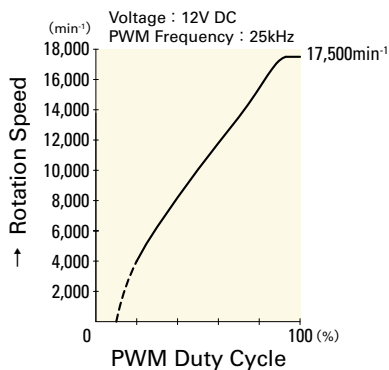
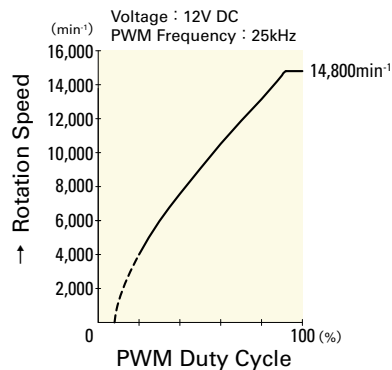
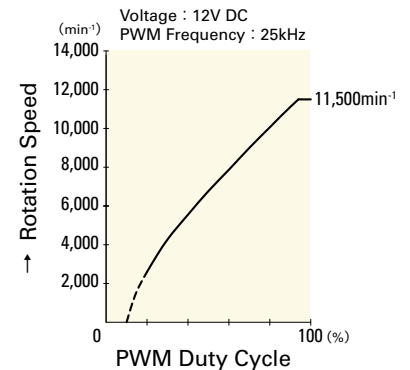
Mass : 7g

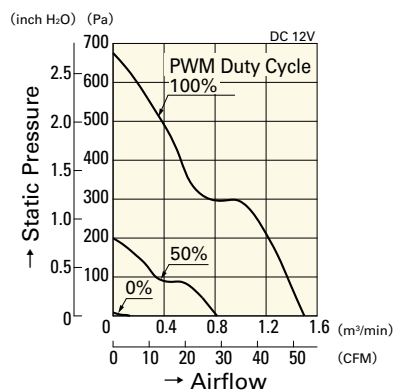
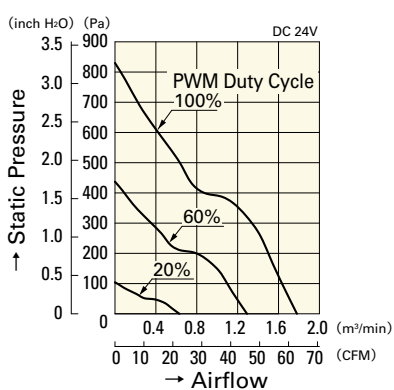
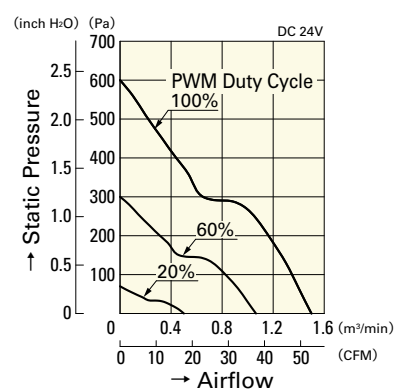
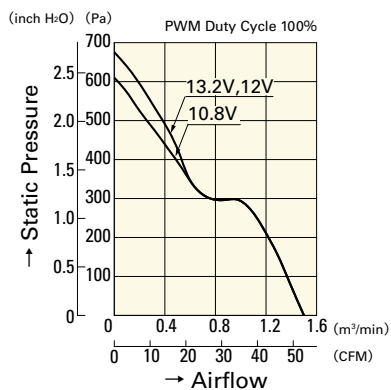
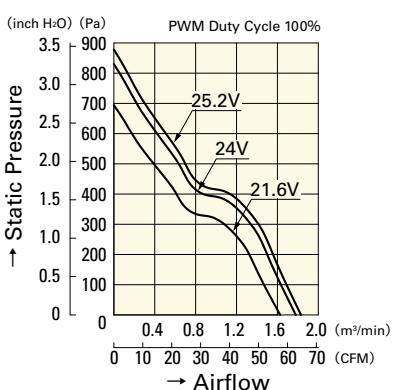
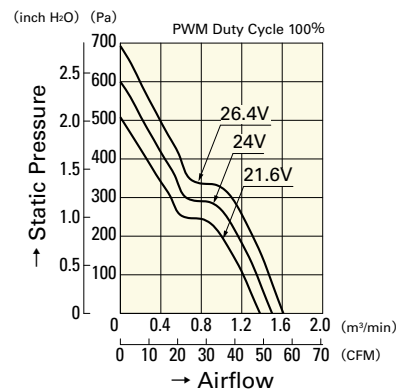
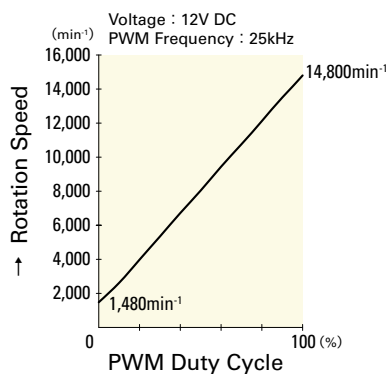
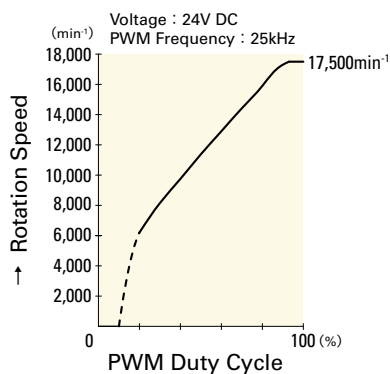
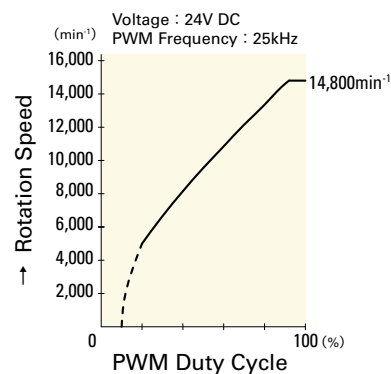
Resin Filter Kits

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



Mass : 11g

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

**9GA0612P1K60****9GA0624P1J03****9GA0624P1K03****9GA0612P1K60****9GA0624P1J03****9GA0624P1K03****9GA0612P1K60****9GA0624P1J03****9GA0624P1K03**

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