

Thermal Speed Controlled Fan

60mm

San Ace 60

15mm thick, 20mm thick, 25mm thick
with an external thermistor/
with a built-in thermistor



General Specifications

- Material Frame: Plastics (Flammability: UL94V-0), Impeller: Plastics (Flammability: UL94V-1)
- Life Expectancy 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 (Control) brown (Only for external thermistor type)
- Fail-safe The motor becomes high speed when the thermistor is unable to detect the temperature in case of open or short circuit etc. (Models equipped with a pulse sensor are excluded.)
- Storage Temperature -30°C to +70°C (Non-condensing)

60mm × 20mm thick (Mass : 90g)

Specifications with an external thermistor

Model No.	Rated Voltage (V)	Operating Voltage Range (V)	Rated Current (A)	Rated Input (W)	Rated Speed (min ⁻¹)	Air Flow (m ³ /min) (CFM)	Static Pressure (Pa) (inchH ₂ O)	SPL (dB[A])	Operating Temperature Range (°C)	Life Expectancy (h)
109P0612T6H12	12	10.2 to 13.8	0.15	1.8	4,200	0.42 14.8	31.9 0.128	31	-10 to +70	60,000
			0.10	1.2	2,100	0.21 7.4	8.8 0.035	21		

Note: The top row gives characteristics shown when the thermistor temperature is 35°C, while the bottom row gives characteristics shown when the thermistor temperature is 28°C.

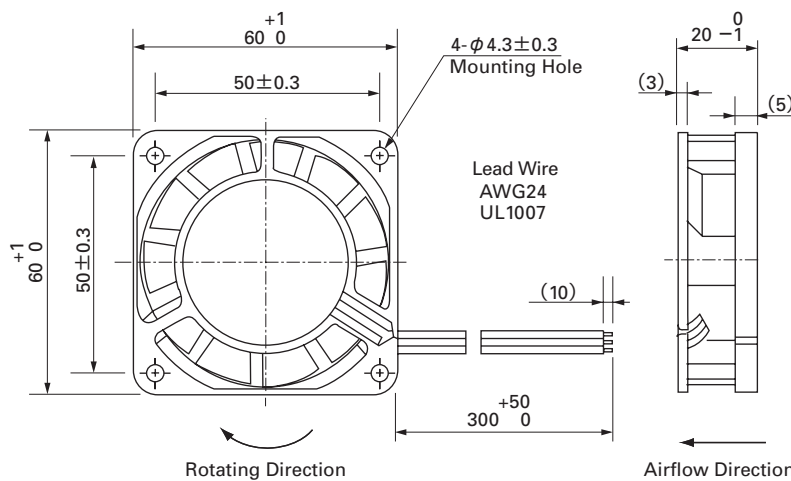
with a built-in thermistor

Model No.	Rated Voltage (V)	Operating Voltage Range (V)	Rated Current (A)	Rated Input (W)	Rated Speed (min ⁻¹)	Air Flow (m ³ /min) (CFM)	Static Pressure (Pa) (inchH ₂ O)	SPL (dB[A])	Operating Temperature Range (°C)	Life Expectancy (h)
109P0612T6H122	12	10.2 to 13.8	0.15	1.8	4,400	0.44 15.5	35.0 0.141	33	-10 to +70	60,000
			0.10	1.2	2,150	0.22 7.8	9.2 0.037	21		

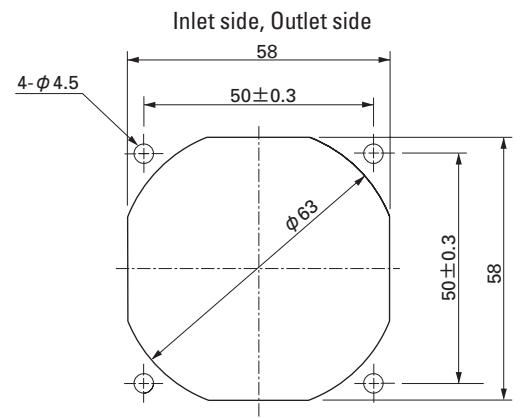
Note: The top row gives characteristics shown when the temperature is 40°C, while the bottom row gives characteristics shown when the temperature is 30°C.

Dimensions (Unit : mm)

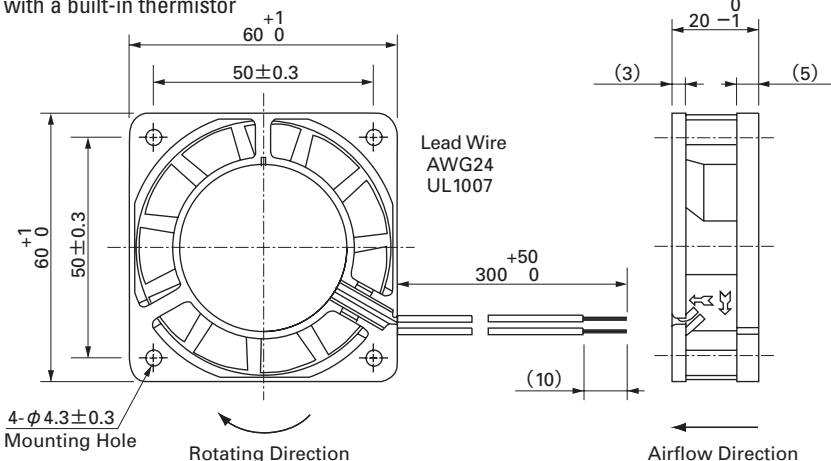
with an external thermistor



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



with a built-in thermistor



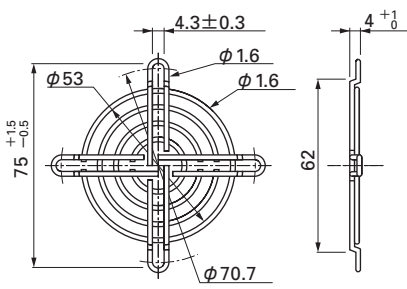
Options (Unit : mm)

Finger guards

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

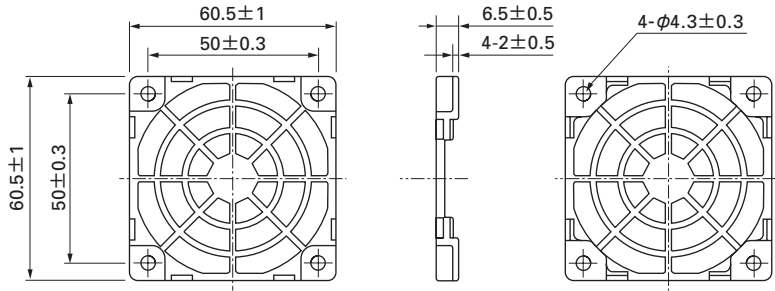
Color

Inlet side, Outlet side



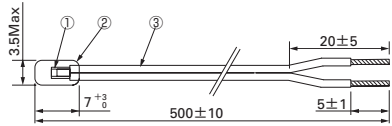
Resin finger guards

Model : 109-1003G



Thermistor

Model : 169-002

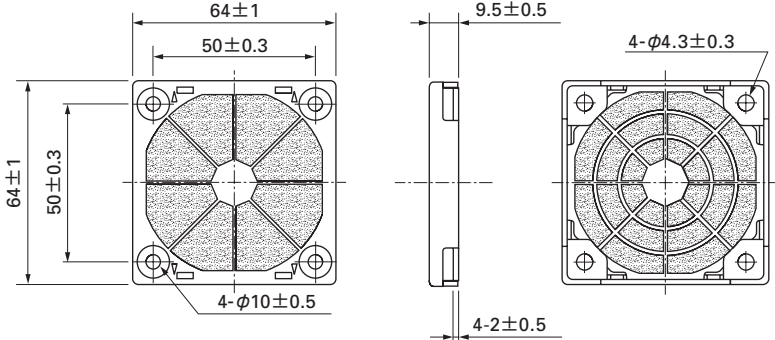


Number	Name	Standards, materials, etc.
①	Thermistor	Chip
②	Insulated cord	Epoxy resin
③	Lead	UL2555 CSA TR-64 AWG#28 (blue)

Item	Spec
2-1	Resistance R25 6.8KΩ ±3%
2-2	B constant B25/50 3950K ±2%
2-3	Maximum rated power 188mW (25°C under still air)
2-4	Insulation resistance 100MΩ or more (DC500V megger)
2-5	Dielectric strength No problem (AC1500V 1 minute)
2-6	Operating temperature range -30°C to +80°C
2-7	Storage temperature range -40°C to +100°C

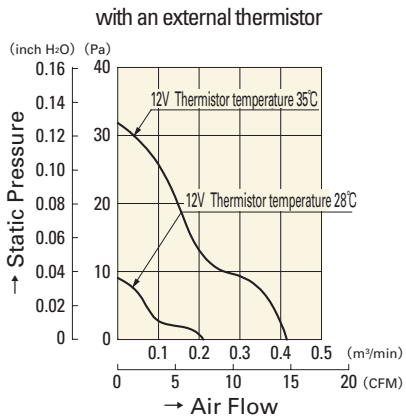
Resin filter kits

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

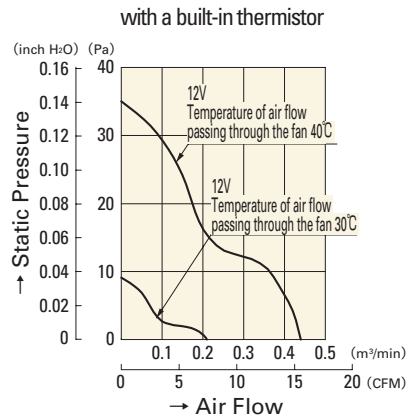


Manufactured by OHIZUMI MGF CO.,LTD.

Air Flow and Static Pressure Characteristics

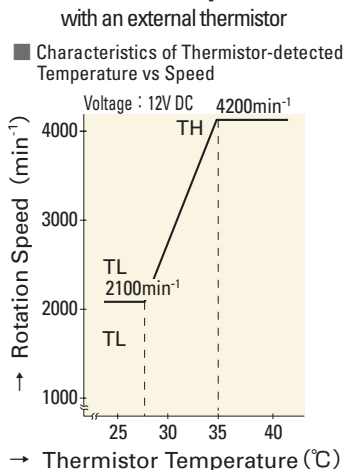


109P0612T6H12

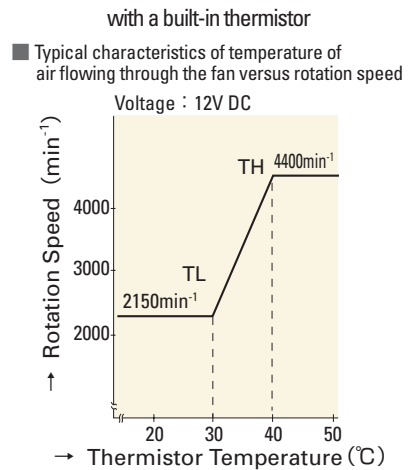


109P0612T6H122

Temperature-Rotation Speed Characteristics



109P0612T6H12



109P0612T6H122