

120mm sq.**San Ace 120**

25mm thick, 38mm thick

External thermistor model /
Built-in thermistor model

Note: Optional external thermistors are sold separately.

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.
- Storage Temperature -30°C to +70°C (Non-condensing)

120×120×38mm [Mass : 260g]**Specifications External thermistor model**

The numbers in () represent ribless models.

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 [°C]	Life Expectancy [h]
109R1212T1H12(121)	12	10.2 to 13.8	0.48	5.75	2,600	2.9 102.4	64.7 0.260	39	-10 to +60	40,000
			0.23	2.76	1,300	1.4 49.4	16.2 0.065	24		

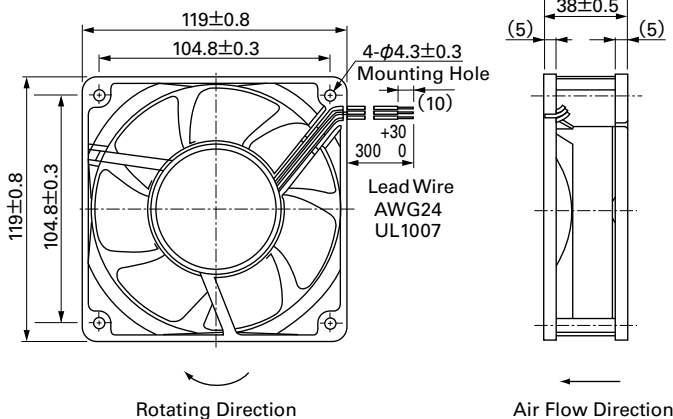
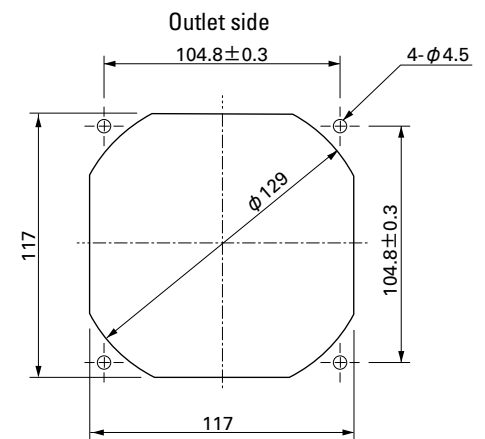
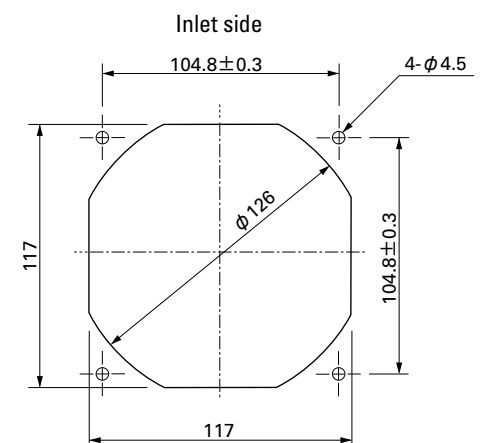
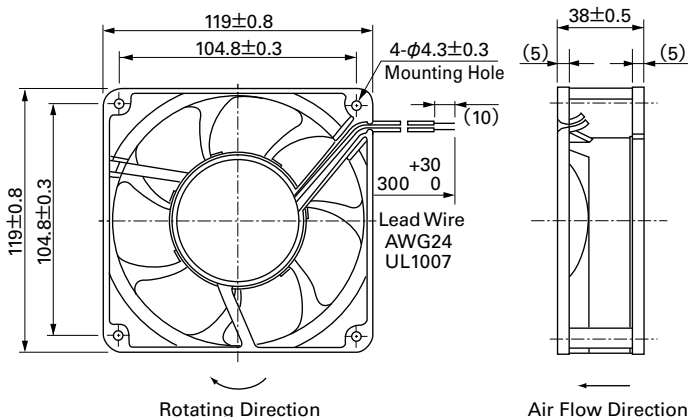
Note: The top row gives characteristics shown when the thermistor temperature is 35°C, while the bottom row gives characteristics shown when the thermistor temperature is 28°C (Thermistor: 169-002).

Built-in thermistor model

The numbers in () represent ribless models.

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 [°C]	Life Expectancy [h]
109R1212T1H122(123)	12	10.2 to 13.8	0.48	5.75	2,600	2.9 102.4	64.7 0.260	39	-10 to +60	40,000
			0.23	2.76	1,300	1.4 49.4	16.2 0.065	24		

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 ribs)**External thermistor model****Reference dimensions of mounting holes and vent opening (Unit : mm)****Built-in thermistor model**

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