60×60×28 mm

San Ace 60 **△ 51** (€



General Specifications

· Material Frame: Aluminum, Impeller: Plastic (Flammability: UL 94V-1)

Expected life at 40°C is for reference only.

· Motor structure Shaded coil motor

· Motor protection function Locked rotor burnout protection, Reverse polarity protection

For details, please refer to p. 599.

· Dielectric strength 50/60 Hz, 1500 VAC, for 1 minute (between lead wire conductors and frame)

· Sound pressure level (SPL) At 1 m away from the air inlet · Operating voltage range Voltage of each model ±10% · Storage temperature -30 to +70°C (Non-condensing)

· Lead wire Black, 2 pcs · Mass 120 g

Specifications

Model no.	Rated voltage [V]	Frequency [Hz]	Input [W]	Current [A]	Locked rotor current [A]	Rated speed [min ⁻¹]	Max. a [m³/min]	irflow [CFM]	Max. stati [Pa]	ic pressure [inchH ₂ O]	SPL [dB (A)]	Operating temperature [°C]	Expected life [h]
109-180	100	50/60	5/4	0.06/0.05	0.07/0.06	2250/2700	0.27/0.33 9.5	0 E/11 7	11.8/18.6	0.047/0.075	24/26	-30 to +70	25000/60°C
109-183	115				0.06/0.05			9.5/11.7					(56000/40°C)

Note: These are Short Lead Time Service applicable models. Contact your point of sale for stock availability. For more information on the service, see p. 654.

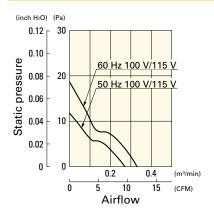
Set Models

Fan, finger guard, plug cord, screws, etc. can be purchased in one package. For details, please refer to p. 655.

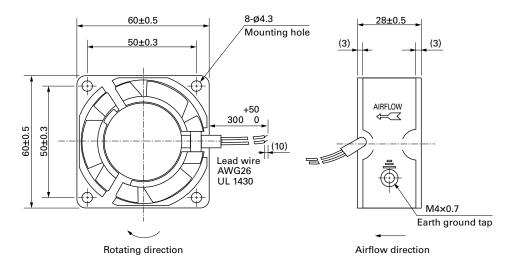
Order no.	Set items									
Order no.	Fan	Voltage Low-speed sensor		Plug cord	Finger guards	Mounting screws				
ST1-109-180	109-180	100 V		Plug cord is not included because	109-139E	· M4×40 mm (4 screws)				
ST1-109-183	109-183	115 V		of the exposed- lead structure.	109-139E					

Airflow - Static Pressure Characteristics

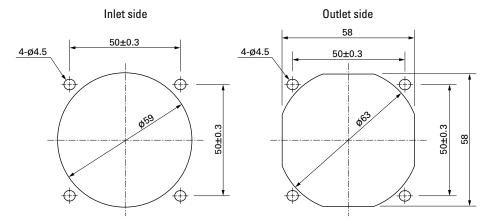
109-180, 109-183



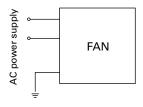
Dimensions (unit: mm)



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



Wiring Diagram



Model no.: 109-139E, 109-139H

Options

Finger guards page: p. 584 Resin finger guards page: p. 591

Model no.: 109-1003G

Resin filter kits page: p. 592

Model no.: 109-1003F13 (13PPI), 109-1003F20 (20PPI),

109-1003F30 (30PPI), 109-1003F40 (40PPI)