ø136×28 mm

San Ace 136RF 9RF type



General Specifications

- Material ..... Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-0)
- Expected life ..... See the table below. (L10 life: 90% survival rate for continuous operation in free air at 60˚C, rated voltage) Expected life at 40°C is for reference only.
- Motor protection function ..... Locked rotor burnout protection, Reverse polarity protection For details, please refer to p. 616.
- Dielectric strength ..... 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)
- Insulation resistance ..... 10 MΩ min. at 500 VDC (between lead wire conductors and frame)
- Sound pressure level (SPL) ..... A-weighted sound pressure level (SPL) at 1 m away from the air inlet.
- Storage temperature ..... -30 to +70˚C (Non-condensing)
- Lead wire ..... ⊕Red ⊖Black Sensor Yellow Control Brown
- Mass ..... 220 g

Specifications

The models listed below **have ribs and a pulse sensor with PWM control.**

Model no.	Airflow direction	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle* [%]	Rated current [A]	Rated input [W]	Rated speed [min⁻¹]	Max. airflow [m³/min]	Max. airflow [CFM]	Max. static pressure [Pa]	Max. static pressure [inchH₂O]	SPL [dB (A)]	Operating temperature [˚C]	Expected life [h]
9RF1312P3H601	Forward	12	10.2 to 13.8	100	0.15	1.8	3100	2.0	70.7	102	0.41	35	-20 to +70	40000/60˚C (70000/40˚C)
	Reverse			0	0.15	1.8	3100	2.0	70.7	104	0.418	46		
9RF1324P3H601	Forward	24	20.4 to 27.6	100	0.09	2.2	3100	2.0	70.7	102	0.41	35		
	Reverse			0	0.09	2.2	3100	2.0	70.7	104	0.418	46		

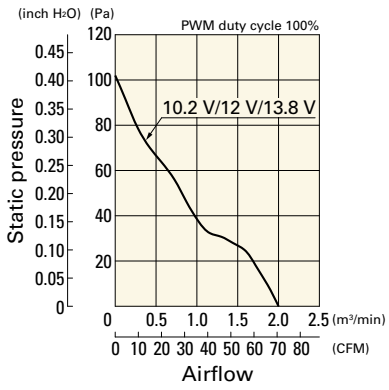
* PWM frequency is 25 kHz. When control terminal is open, speed is the same as at 100% PWM duty cycle.

Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9RF1312P3H601 With pulse sensor with PWM control

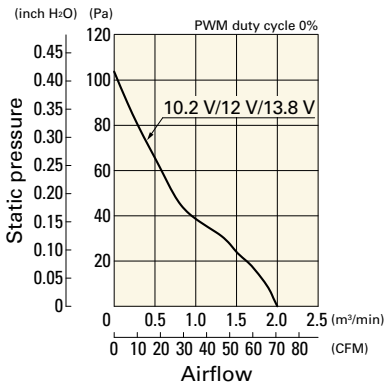
Operating voltage range

Forward

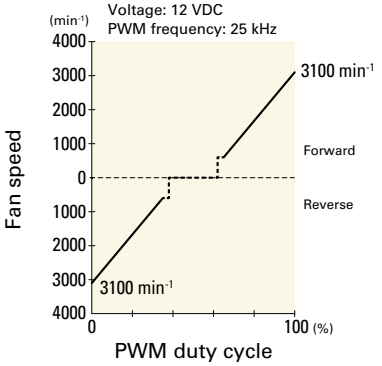


Operating voltage range

Reverse



PWM duty - Speed characteristics example

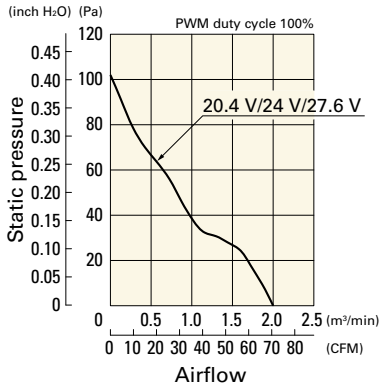


Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9RF1324P3H601 With pulse sensor with PWM control

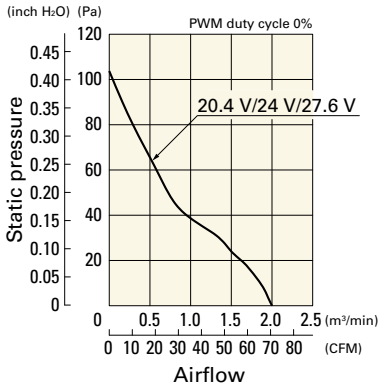
Operating voltage range

Forward

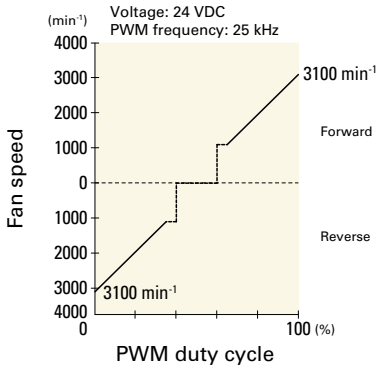


Operating voltage range

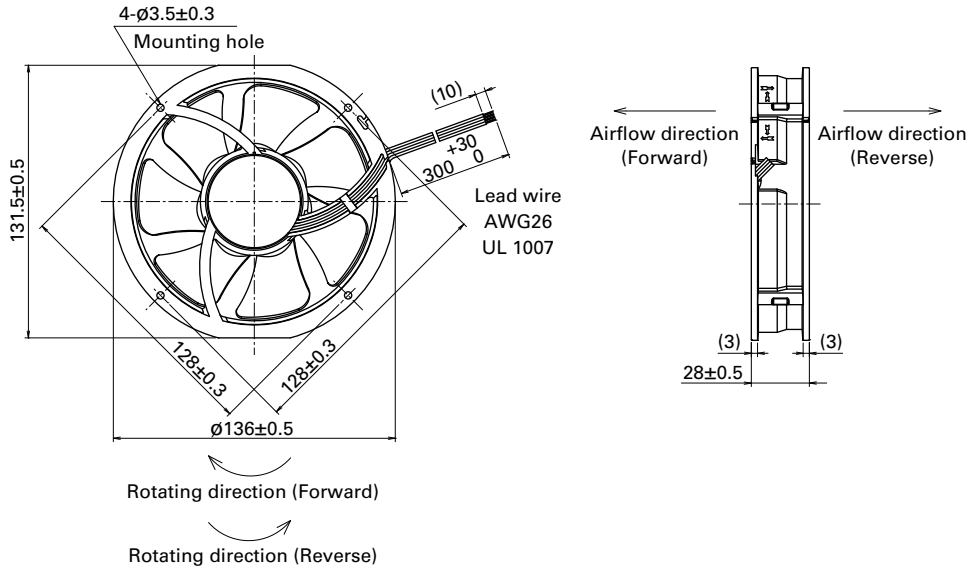
Reverse



PWM duty - Speed characteristics example

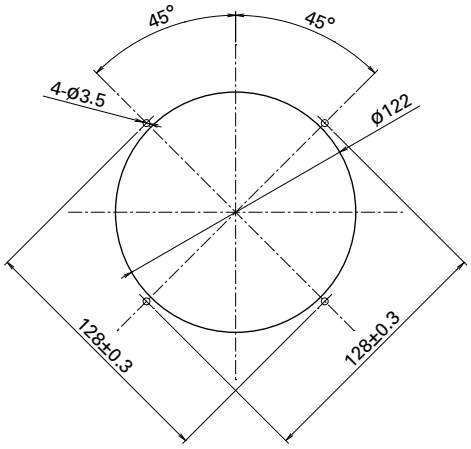


Dimensions (unit: mm)



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

Impeller side, Nameplate side



Options

Finger guards page: p. 599

Model no.: 109-1139