

Reversible Flow Fan



Ø136x28 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. 608.
- 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 [m ³ /min] [CFM]	Max. static pressure [Pa] [inchH ₂ O]	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		
» 9RF1324P3H001	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		

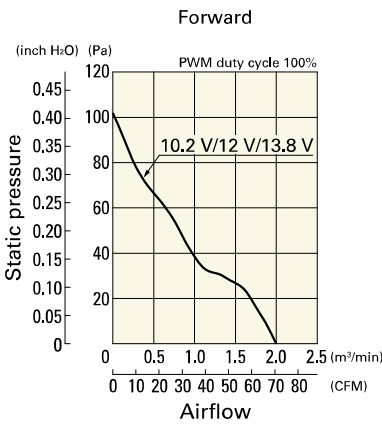
* PWM frequency is 25 kHz. When control terminal is open, speed is the same as at 100% PWM duty cycle.

Note: The » mark indicates Short LeadTime Service applicable models. See p. 664 for details.

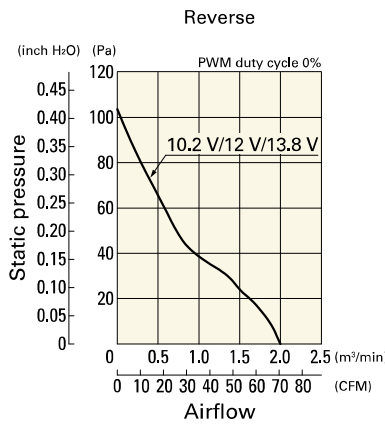
Airflow - Static Pressure Characteristics / PWM Duty - Speed Characteristics Example

9RF1312P3H601 With pulse sensor with PWM control

Operating voltage range



Operating voltage range



PWM duty - Speed characteristics example

