SANYO DENKI

San Ace 40 SHVA type

High Static Pressure Fan

Features

High Static Pressure and High Airflow

This fan delivers a maximum static pressure of 2300 Pa and a maximum airflow of 1.05 m 3 /min.

Compared with our current model,* the maximum static pressure has increased by 2.1 times and the maximum airflow has increased by 1.3 times.

Energy-saving

Power consumption has been reduced by approximately 20% compared with the current model.*

Space-saving

This fan delivers higher cooling performance than our 40 \times 40 \times 56 mm Counter Rotating Fan.**

The smaller fan size provides enhanced design flexibility.

* Current model: San Ace 40 9HV type 40 × 40 × 28 mm DC Fan (model no. 9HV0412P3K001). ** San Ace 40 9CRV type 40 × 40 × 56 mm Counter Rotating Fan (model no. 9CRV0412P5J201).



$40\times40\times28\;\mathrm{mm}$

Specifications

The models listed below have ribs and pulse sensors with PWM control function.

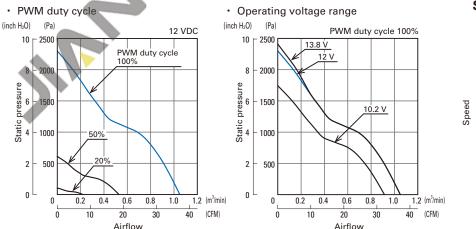
Model no.	Rated voltage [V]	Operating voltage range [V]	PWM duty cycle* [%]	Rated current [A]	Rated input [W]	Rated speed [min ⁻¹]	Max. a [m³/min]		Max. stat [Pa]	ic pressure [inchH ₂ O]	SPL [dB(A)]	Operating temperature [°C]	Expected life [h]
9HVA0412P3J001	12	10.2 to 13.8	100	2.6	31.2	38000	1.05	37.1	2300	9.24	71	-20 to +70	30000/60°C (53000/40°C)
			20	0.12	1.4	8000	0.22	7.8	101	0.41	34		
* PWM input freque	ency is 25 kH	lz; models wi	thout specifica	tions at 0%	PWM duty	cycle have zei	ro fan sp	beed at	0%.				·

Models with the following sensor specifications are also available as options: Without sensor Lock sensor

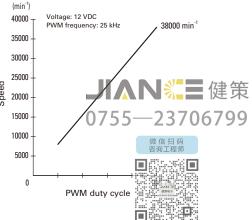
Common Specifications

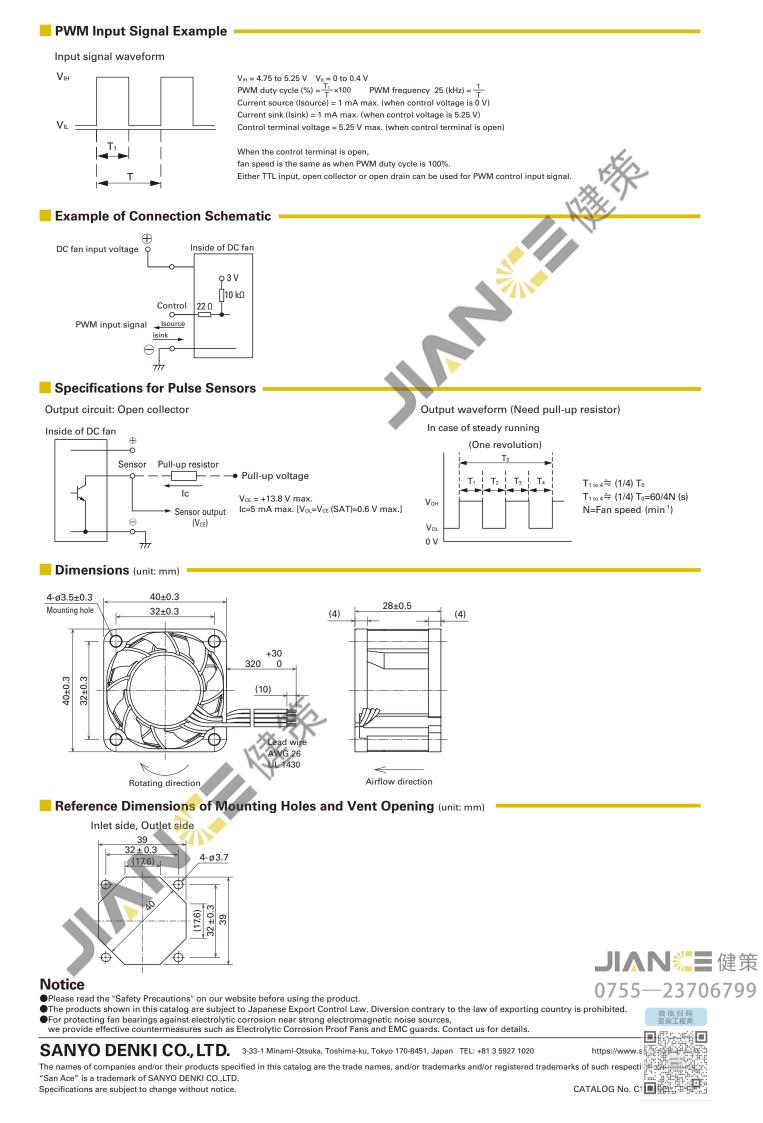
🗌 Material 🚥 Frame: Plastic (Flammability: UL 94V-0), Impeller: Plastic (Flammability: UL 94V-0)
Expected life Refer to specifications
(L10 life: 90% survival rate for continuous operation in free air at 60°C, rated voltage)
Expected life at 40°C is for reference only.
Motor protection function
Dielectric strength ••••••••••••••••••••••••••••••••••••
\Box Insulation resistance \cdots 10 M Ω or more with a 500 VDC megger (between lead wire conductors and frame)
Sound pressure level (SPL) ············ At 1 m away from the air inlet
Operating temperature ••••••••••••••••••••••••••••••••••••
□ Storage temperature ····································
\Box Lead wire \cdots Lead wire \cdots \cdots \cdots \oplus Red \ominus Black Sensor Yellow Control Brown
□ Mass ······ 57 g

Airflow - Static Pressure Characteristics



PWM Duty -Speed Characteristics Example





Mouser Electronics

Authorized Distributor

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Sanyo Denki: 9HVA0412P3J001

