

June 13th, 2022

SANYO DENKI AMERICA, INC
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SANYO DENKI Launches 120 x 120 x 25 mm DC Fan with the Lowest Noise in the Industry

SANYO DENKI has developed and launched the 120 x 120 x 25 mm *San Ace 120 9RA* type DC Fan that features the lowest noise in the industry.⁽¹⁾

This fan is ideal for cooling medical equipment, AV equipment, and other applications that require particularly quiet operation.

Features

1. Low Noise and Energy Saving

Compared to our current model,⁽²⁾ noise level has been more than halved⁽³⁾ and power consumption has been reduced by 39%.⁽⁴⁾

Moreover, the models with PWM control, which enables the control of fan speed, provide further optimized noise level and efficiency.

2. Long Life

This fan lasts 1.5 times longer than the current model,⁽²⁾ and is capable of continuous operation for 60,000 hours (approximately 7 years) at 60°C, improving the maintainability.

3. Rich Lineup

The product lineup is available in a wide variety in 12/24/48 voltage, cooling performance, noise level, and PWM control. This allows users to choose the most suitable one for their applications.

(1) Based on our own research as of July 20, 2021, conducted among axial DC fans of equivalent size and cooling performance on the market.

(2) Current model: 120 x 120 x 25 mm *San Ace 120 9G* type DC Fan (model: 9G1212G401).

(3) A 4 dB(A) decrease in noise level.

(4) For models 9RA1212P4G001 and 9RA1212G4001

Specifications

Dimensions: 120 x 120 x 25 mm, Mass: 210 g

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

Model no.	Rated voltage	Operating voltage range	Rated input	Rated speed	Max. airflow		Max. static pressure		Noise level
	[V]	[V]	[W]	[min ⁻¹]	[m ³ /min]	[CFM]	[Pa]	[inchH ₂ O]	[dB(A)]
9RA1212P4G001	12	10.8 to 13.2	6.6	4500	3.68	130	120	0.48	47
9RA1224P4G001	24	21.6 to 26.4	6.72	4500	3.68	130	120	0.48	47
9RA1248P4G001	48	43.2 to 52.8	7.2	4500	3.68	130	120	0.48	47

Expected life: 60000 hours (L10 life: 90% survival rate for continuous operation in free air at 60°C, rated voltage)

The models listed below have pulse sensors.

Model no.	Rated voltage	Operating voltage range	Rated input	Rated speed	Max. airflow		Max. static pressure		Noise level
	[V]	[V]	[W]	[min ⁻¹]	[m ³ /min]	[CFM]	[Pa]	[inchH ₂ O]	[dB(A)]
9RA1212G4001	12	7 to 13.8	6.6	4500	3.68	130	120	0.48	47
9RA1212E4001			4.92	4000	3.3	116.5	96	0.386	45
9RA1212A4001			3.6	3500	2.86	101.1	73	0.293	42
9RA1212H4001			3.12	3200	2.62	92.4	61	0.245	39
9RA1212M4001			1.44	2200	1.8	63.5	29	0.116	28
9RA1224G4001	24	14 to 27.6	6.72	4500	3.68	130	120	0.48	47
9RA1224E4001			5.28	4000	3.3	116.5	96	0.386	45
9RA1224A4001			3.84	3500	2.86	101.1	73	0.293	42
9RA1224H4001			3.12	3200	2.62	92.4	61	0.245	39
9RA1224M4001			1.68	2200	1.8	63.5	29	0.116	28
9RA1248G4001	48	36 to 55.2	7.2	4500	3.68	130	120	0.48	47
9RA1248E4001			5.28	4000	3.3	116.5	96	0.386	45
9RA1248A4001			4.32	3500	2.86	101.1	73	0.293	42

Expected life: 60000 hours (L10 life: 90% survival rate for continuous operation in free air at 60°C, rated voltage)

Applications Medical equipment, AV equipment, and arcade machines

Price Open

Photo



Note: The information stated in this release is current as of July 20, 2021.

San Ace is a trademark of SANYO DENKI CO., LTD.

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