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Product News

SANYO DENKI Introduces
Industry's Highest Air Flow, Longest-Lasting, Quietest,
and Most Energy-Saving
92 × 92 × 25 mm High Air Flow Long Life Fan

June 20, 2013

SANYO DENKI CO., LTD. has developed and introduced the 92 × 92 × 25 mm high air flow long life fan "San Ace 92L" 9LG type. This cooling fan delivers the highest air flow, longest life, lowest noise level and least power consumption in the industry.*1
The San Ace 92L 9LG type is a perfect cooling solution for communications equipment and PV inverters.
This product has the PWM control feature, designed for controlling the rotational speed of the fan from the device side.



Features

1. Long Life
- The San Ace 92L 9LG type has an expected life of 180,000 hours (approximately 20 years), 1.8 times that of our conventional long life fan,*2 making this fan ideal for equipment that must operate without maintenance for extended periods.
2. High Air Flow and High Static Pressure
- The maximum air flow of the San Ace 92L 9LG type is 1.3 times and its maximum static pressure is 1.6 times that of our conventional long life fan.*2
3. Low Power Consumption
- The power consumption of this new fan is about 30% lower than that of our conventional long life fan.*3
4. Low Noise
- Its sound pressure level is about 2 dB(A) lower than that of our conventional long life fan.*3
- *1: The information is based on our own research as of June 20, 2013, collected among 92 × 92 × 25 mm axial DC cooling fans for industrial use.
*2: Specification of Model No. 9LG0912P4J001. Our conventional long life fan is 92 × 92 × 25 mm "San Ace 92L", Model No. 109L0912S401.
*3: Specification of Model No. 9LG0912P4S001. Our conventional long life fan is 92 × 92 × 25 mm "San Ace 92L", Model No. 109L0912S401.

Specifications

Model No.	9LG0912P4J001	9LG0912P4G001	9LG0912P4S001	9LG0912P4H001
Rated Voltage	DC 12 V	DC 12 V	DC 12 V	DC 12 V
Operating Voltage Range	DC 10.8 to 13.2 V	DC 10.8 to 13.2 V	DC 10.8 to 13.2 V	DC 10.8 to 13.2 V
Power Consumption	5.04 W	3.60 W	2.64 W	1.80 W
Rated Rotating Speed	5,000 min ⁻¹	4,400 min ⁻¹	3,850 min ⁻¹	3,150 min ⁻¹
Max. Air Flow	2.20 m3/min (77.7 CFM)	1.93 m3/min (68.2 CFM)	1.69 m3/min (59.7 CFM)	1.38 m3/min (48.7 CFM)
Max. Static Pressure	105 Pa (0.42 inch H2O)	81 Pa (0.33 inch H2O)	62.1 Pa (0.25 inch H2O)	41.6 Pa (0.17 inch H2O)
Sound Pressure Level	44 dB(A)	40 dB(A)	37 dB(A)	32 dB(A)

Model No.	9LG0924P4J001	9LG0924P4G001	9LG0924P4S001	9LG0924P4H001
Rated Voltage	DC 24 V	DC 24 V	DC 24 V	DC 24 V
Operating Voltage Range	DC 21.6 to 26.4 V	DC 21.6 to 26.4 V	DC 21.6 to 26.4 V	DC 21.6 to 26.4 V
Power Consumption	5.04 W	3.60 W	2.64 W	1.68 W
Rated Rotating Speed	5,000 min ⁻¹	4,400 min ⁻¹	3,850 min ⁻¹	3,150 min ⁻¹
Max. Air Flow	2.20 m3/min (77.7 CFM)	1.93 m3/min (68.2 CFM)	1.69 m3/min (59.7 CFM)	1.38 m3/min (48.7 CFM)
Max. Static Pressure	105 Pa (0.42 inch H2O)	81 Pa (0.33 inch H2O)	62.1 Pa (0.25 inch H2O)	41.6 Pa (0.17 inch H2O)
Sound Pressure Level	44 dB(A)	40 dB(A)	37 dB(A)	32 dB(A)

Common Specifications	
Expected Life	180,000 hours (L10: Survival rate: 90 % at 60℃, rated voltage, and continuously run in a free air state)
Size	92 × 92 × 25 mm
Mass.	Approx. 150 g

PDF Catalog

- PDF English [446KB]
- PDF Japanese [572KB]

Applications

Communications equipment and PV inverters

Release Date

June 20, 2013

Projected Sales Figures

Initial fiscal year:15,000 units per month, Second fiscal year: 20,000 units per month

Price

Open price

*The information stated in this release is current as of June 20, 2013.
The product type was changed to "9LG" on November 25, 2013.
" San Ace " is a trademark of SANYO DENKI CO.,LTD.