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Product News

SANYO DENKI Introduces
Industry's Highest Air Flow, Longest-Lasting, Quietest,
and Most Energy-Saving
60 × 60 × 25 mm High Air Flow Long Life Fan

June 18, 2013

SANYO DENKI CO., LTD. has developed and introduced the 60 × 60 × 25 mm high air flow long life fan "San Ace 60L" 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 60L 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 60L 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 60L 9LG type is approximately 1.8 times and its maximum static pressure is about 3.5 times that of our conventional long life fan.*2
3. Low Power Consumption

The power consumption of this new fan is about 29% lower than that of our conventional long life fan.*3
4. Low Noise

Its sound pressure level is 4 dB(A) lower than that of our conventional long life fan.*3
- *1: The information is based on our own research as of June 18, 2013, collected among 60 × 60 × 25 mm axial DC cooling fans for industrial use.

*2: Specification of Model No. 9LG0612P4S001. Our conventional long life fan is 60 × 60 × 25 mm "San Ace 60L", Model No. 109L0612G401.

*3: Specification of Model No. 9LG0612P4H001. Our conventional long life fan is 60 × 60 × 25 mm "San Ace 60L", Model No. 109L0612G401.
- Specifications
- | Model No. | 9LG0612P4S001 | 9LG0612P4J001 | 9LG0612P4H001 | 9LG0612P4M001 |
|-------------------------|--|--|--|--|
| 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 | 8.04 W | 4.68 W | 2.04 W | 1.08 W |
| Rated Rotating Speed | 11,000 min ⁻¹ | 8,650 min ⁻¹ | 6,150 min ⁻¹ | 4,200 min ⁻¹ |
| Max. Air Flow | 1.40 m ³ /min
(49.4 CFM) | 1.10 m ³ /min
(38.8 CFM) | 0.78 m ³ /min
(27.5 CFM) | 0.53 m ³ /min
(18.7 CFM) |
| Max. Static Pressure | 300 Pa
(1.204 inch H2O) | 182 Pa
(0.730 inch H2O) | 97 Pa
(0.389 inch H2O) | 45 Pa
(0.180 inch H2O) |
| Sound Pressure Level | 53 dB(A) | 47 dB(A) | 35 dB(A) | 24 dB(A) |

Model No.	9LG0624P4S001	9LG0624P4J001	9LG0624P4H001	9LG0624P4M001
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	8.16 W	4.56 W	1.92 W	0.96 W
Rated Rotating Speed	11,000 min ⁻¹	8,650 min ⁻¹	6,150 min ⁻¹	4,200 min ⁻¹
Max. Air Flow	1.40 m ³ /min (49.4 CFM)	1.10 m ³ /min (38.8 CFM)	0.78 m ³ /min (27.5 CFM)	0.53 m ³ /min (18.7 CFM)
Max. Static Pressure	300 Pa (1.204 inch H2O)	182 Pa (0.730 inch H2O)	97 Pa (0.389 inch H2O)	45 Pa (0.180 inch H2O)
Sound Pressure Level	53 dB(A)	47 dB(A)	35 dB(A)	24 dB(A)

Model No.	9LG0648P4S001	9LG0648P4J001	9LG0648P4H001	9LG0648P4M001
Rated Voltage	DC 48 V	DC 48 V	DC 48 V	DC 48 V
Operating Voltage Range	DC 36 to 72 V	DC 36 to 72 V	DC 36 to 72 V	DC 36 to 72 V
Power Consumption	8.64 W	4.80 W	2.88 W	1.92 W
Rated Rotating Speed	11,000 min ⁻¹	8,650 min ⁻¹	6,150 min ⁻¹	4,200 min ⁻¹
Max. Air Flow	1.40 m ³ /min (49.4 CFM)	1.10 m ³ /min (38.8 CFM)	0.78 m ³ /min (27.5 CFM)	0.53 m ³ /min (18.7 CFM)
Max. Static Pressure	305 Pa (1.224 inch H2O)	182 Pa (0.730 inch H2O)	97 Pa (0.389 inch H2O)	45 Pa (0.180 inch H2O)
Sound Pressure Level	53 dB(A)	47 dB(A)	35 dB(A)	24 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	60 × 60 × 25 mm
Mass.	Approx. 100 g
- PDF Catalog
- PDF

English [539KB]

PDF

Japanese [596KB]
- Applications
- Communications equipment and PV inverters
- Release Date
- June 18, 2013
- Projected Sales Figures
- Initial fiscal year:30,000 units per month, Second fiscal year: 35,000 units per month
- Price
- Open price
- *The information stated in this release is current as of June 18, 2013.
The product type was changed to "9LG" on November 25, 2013.
" San Ace " is a trademark of SANYO DENKI CO.,LTD.
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