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Product News

SANYO DENKI Introduces
Industry's Highest Air Flow, Longest-Lasting, and Most Energy-Saving
80 × 80 × 25 mm High Air Flow Long Life Fan

July 8, 2013

SANYO DENKI CO., LTD. has developed and introduced the 80 × 80 × 25 mm high air flow long life fan "San Ace 80L" 9LG type. This cooling fan delivers the highest air flow, longest life and least power consumption in the industry.*1 The San Ace 80L 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 80L 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 80L 9LG type is approximately 1.7 times and its maximum static pressure is approximately 3.5 times that of our conventional long life fan.*2

3. Low Power Consumption

The power consumption of this new fan is approximately 33% lower than that of our conventional long life fan.*3

- *1: The information is based on our own research as of July 8, 2013, collected among 80 × 80 × 25 mm axial DC cooling fans for industrial use.
- *2: Specification of Model No. 9LG0812P4J001. Our conventional long life fan is 80 × 80 × 25 mm "San Ace 80L", Model No. 109L0812S401.
- *3: Specification of Model No. 9LG0812P4H001. When air flow and static pressure performance is almost identical. Our conventional long life fan is 80 × 80 × 25 mm "San Ace 80L", Model No. 109L0812H401.

Specifications

Model No.	9LG0812P4J001	9LG0812P4G001	9LG0812P4H001
Rated Voltage	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
Power Consumption	7.2 W	3.60 W	1.44 W
Rated Rotating Speed	7,400 min-1	5,500 min-1	3,700 min-1
Max. Air Flow	2.07 m3/min (73.0 CFM)	1.54 m3/min (54.3 CFM)	1.03 m3/min (36.3 CFM)
Max. Static Pressure	177 Pa (0.71 inch H2O)	98 Pa (0.39 inch H2O)	44 Pa (0.17 inch H2O)
Sound Pressure Level	49 dB(A)	43 dB(A)	31 dB(A)

Model No.	9LG0824P4J001	9LG0824P4G001	9LG0824P4H001
Rated Voltage	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
Power Consumption	6.72 W	3.36 W	1.2 W
Rated Rotating Speed	7,400 min-1	5,500 min-1	3,700 min-1
Max. Air Flow	2.07 m3/min (73.0 CFM)	1.54 m3/min (54.3 CFM)	1.03 m3/min (36.3 CFM)
Max. Static Pressure	177 Pa (0.71 inch H2O)	98 Pa (0.39 inch H2O)	44 Pa (0.17 inch H2O)
Sound Pressure Level	49 dB(A)	43 dB(A)	31 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	80 × 80 × 25 mm
Mass.	Approx. 130 g

PDF Catalog

- English [445KB]
- Japanese [516KB]

Applications

Communications equipment and PV inverters

Release Date

July 8, 2013

Projected Sales Figures

Initial fiscal year:20,000 units per month, Second fiscal year: 25,000 units per month

Price

Open price

*The information stated in this release is current as of July 8, 2013.
The product type was changed to "9LG" on November 25, 2013.
" San Ace " is a trademark of SANYO DENKI CO.,LTD.