

## News

## Product News

## Information

## Product News

SANYO DENKI Introduces  
120 × 120 × 38 mm High Airflow Long Life Fan With Industry-leading Airflow

September 19, 2014

SANYO DENKI CO., LTD. has developed and introduced the 120 × 120 × 38 mm high airflow long life fan "San Ace 120L" 9LG type. This long life fan has the highest airflow in the industry.\*1

The San Ace 120L 9LG type is an ideal cooling solution for mobile communication base stations, 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 120L 9LG type has an expected life of 180,000 hours (approximately 20 years), 1.8 times that of our conventional long life fan,\*2making this fan ideal for equipment that must operate without maintenance for extended periods.

## 2. High Airflow and High Static Pressure

The maximum airflow of the San Ace 120L 9LG type is approximately 1.8 times and the maximum static pressure is approximately 3 times higher than that of our conventional long life fan.\*2

\*1: The information is based on our own research as of September 19, 2014, collected among axial DC fans for industrial use with the same size and expected lifespan.

\*2: Specification of Model No. 9LG1224P1G001. Our conventional long life fan is 120 × 120 × 38 mm "San Ace 120L", Model No. 9LB1224S101.

## Specifications

Model No.	9LG1212P1G001	9LG1212P1S001
Rated voltage	DC 12 V	DC 12 V
Operating voltage range	DC 8.0 to 13.8 V	DC 8.0 to 13.8 V
Power consumption	38.4 W	26.4 W
Rated rotating speed	6,550 min <sup>-1</sup>	5,600 min <sup>-1</sup>
Max. airflow	7.00 m <sup>3</sup> / min (247.1 CFM)	6.00 m <sup>3</sup> / min (211.8 CFM)
Max. static pressure	370 Pa (1.48 inch H <sub>2</sub> O)	270 Pa (1.08 inch H <sub>2</sub> O)
Sound pressure level	62 dB (A)	58 dB (A)

Model No.	9LG1212P1H001	9LG1224P1G001
Rated voltage	DC 12 V	DC 24 V
Operating voltage range	DC 8.0 to 13.8 V	DC 15 to 30 V
Power consumption	16.8 W	38.4 W
Rated rotating speed	4,700 min <sup>-1</sup>	6,550 min <sup>-1</sup>
Max. airflow	5.00 m <sup>3</sup> / min (176.5 CFM)	7.00 m <sup>3</sup> / min (247.1 CFM)
Max. static pressure	190 Pa (0.76 inch H <sub>2</sub> O)	370 Pa (1.48 inch H <sub>2</sub> O)
Sound pressure level	54 dB (A)	62 dB (A)

Model No.	9LG1224P1S001	9LG1224P1H001
Rated voltage	DC 24 V	DC 24 V
Operating voltage range	DC 15 to 30 V	DC 15 to 30 V
Power consumption	26.4 W	16.8 W
Rated rotating speed	5,600 min <sup>-1</sup>	4,700 min <sup>-1</sup>
Max. airflow	6.00 m <sup>3</sup> / min (211.8 CFM)	5.00 m <sup>3</sup> / min (176.5 CFM)
Max. static pressure	270 Pa (1.08 inch H <sub>2</sub> O)	190 Pa (0.76 inch H <sub>2</sub> O)
Sound pressure level	58 dB (A)	54 dB (A)

Model No.	9LG1248P1G001	9LG1248P1S001
Rated voltage	DC 48 V	DC 48 V
Operating voltage range	DC 36 to 60 V	DC 36 to 60 V
Power consumption	38.4 W	26.4 W
Rated rotating speed	6,550 min <sup>-1</sup>	5,600 min <sup>-1</sup>
Max. airflow	7.00 m <sup>3</sup> / min (247.1 CFM)	6.00 m <sup>3</sup> / min (211.8 CFM)
Max. static pressure	370 Pa (1.48 inch H <sub>2</sub> O)	270 Pa (1.08 inch H <sub>2</sub> O)
Sound pressure level	62 dB (A)	58 dB (A)

Model No.	9LG1248P1H001
Rated voltage	DC 48 V
Operating voltage range	DC 36 to 60 V
Power consumption	16.8 W
Rated rotating speed	4,700 min <sup>-1</sup>
Max. airflow	5.00 m <sup>3</sup> / min (176.5 CFM)
Max. static pressure	190 Pa (0.76 inch H <sub>2</sub> O)
Sound pressure level	54 dB (A)

Common Specifications	
Expected life	180,000 hours (L10: Survival rate: 90 % at 60°C, rated voltage, and continuously run in a free air state)
Size	120 × 120 × 38 mm
Mass	Approx. 420 g

## PDF Catalog

[PDF English \[712KB\]](#)

[PDF Japanese \[931KB\]](#)

## Applications

Mobile communication base stations, communications equipment, and PV inverters

## Release Date

September 19, 2014

## Projected Sales Figures

Initial fiscal year: Initial fiscal year: 5,000 units per month, Second fiscal year: 10,000 units per month

## Price

Open

\*The information stated in this release is current as of September 19, 2014.

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

▲ Page Top

## Corporate Data

- Outline
- Officers
- History
- Philosophy & Policy
- Global Network
- Environmental Efforts
- ISO 9001 Certification
- ISO 14001 Certification
- OHSAS 18001 Certification
- Technical Reports

## Product Information

- San Ace
- SANUPS
- SANMOTION

## News

- Product News
- Information

## Investor Relations

- CEO Message
- IR Calendar
- IR Library
- Shareholder Information
- Shareholders Meetings
- Shareholders
- FAQ

## Contacts