

# 9LB1248H1D03 Sanyo Denki 48VDC 120x120x38mm Long Life Fan Datasheet



**Brand:** Sanyo Denki

**SKU:** [673181329273](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$26.99**

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Product Page:

<https://www.equipspares.com/product/9lb1248h1d03-sanyo-denki-48vdc-120x120x38mm-long-life-fan>

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## Product Description

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The Sanyo Denki 9LB1248H1D03 is a precision-engineered DC axial fan belonging to the renowned San Ace 120L Long Life series. Designed for critical applications requiring extended operational intervals, this unit features a robust aluminum die-cast frame that enhances structural rigidity and thermal dissipation. The internal architecture utilizes dual ball bearings to minimize friction and ensure stability under continuous load. Its aerodynamic impeller design optimizes airflow while maintaining a balanced thermal impedance profile, making it an ideal solution for industrial environments where reliability and durability are paramount.

Model Number: 9LB1248H1D03

Brand: Sanyo Denki

Series: San Ace 120L (Long Life)

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 0.11 A

Input Power: 5.28 W

Rated Speed: 2850 RPM

Max. Air Flow: 88.3 CFM (150 m<sup>3</sup>/h / 2.5 m<sup>3</sup>/min)

Max. Static Pressure: 6.8 mmH<sub>2</sub>O (66.7 Pa / 0.27 inH<sub>2</sub>O)

Bearing Type: Dual Ball Bearing

Dimensions: 120 x 120 x 38 mm

Frame Material: Aluminum Die-cast

Impeller Material: Plastic (UL94V-1)

Weight: 370 g

Life Expectancy: 180,000 hours (L10 at 40°C)

Termination: 3-Wire (Lead Wire)

Sensor Type: Locked Rotor Sensor (Pulse/Tachometer)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Ingress Protection: IP4X

Noise Level: 38 dB(A)

Dielectric Strength: 50/60 Hz, 500 VAC, 1 minute

Insulation Resistance: 10 MΩ or more at 500 VDC

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

The 9LB1248H1D03 is specifically engineered for high-availability systems such as telecommunications infrastructure, server storage arrays, and industrial power supplies. Due to its extended lifespan and aluminum construction, the 9LB1248H1D03 excels in environments where maintenance access is difficult or where system downtime must be minimized, providing consistent cooling performance for decades of continuous operation.

## Supplemental Images

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