

109L0648G4D01 Sanyo Denki 48VDC 60x60x25mm Long Life Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [988020943382](#)

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

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Product Description

The Sanyo Denki 109L0648G4D01 is a precision-engineered Axial Fan designed for high-reliability industrial applications requiring extended operational lifespans. Part of the renowned San Ace 60L series, this unit features a robust aluminum frame construction that enhances structural rigidity and thermal dissipation properties. Utilizing advanced DC motor technology and high-quality dual ball bearings, it minimizes thermal impedance while maintaining consistent airflow performance over long durations. The aerodynamic impeller design optimizes static pressure capabilities, making it an ideal solution for systems demanding continuous operation under rigorous environmental conditions where failure is not an option.

Model Number: 109L0648G4D01

Brand: Sanyo Denki

Series: San Ace 60L (Long Life)

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 0.07 A

Power Input: 3.36 W

Rated Speed: 4600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 20.5 CFM (0.58 m³/min)

Max. Static Pressure: 4.7 mmH₂O (46.1 Pa / 0.185 inH₂O)

Dimensions: 60x60x25mm

Weight: 130 g

Life Expectancy: 100,000 Hours (L90 at 60°C)

Frame Material: Aluminum

Impeller Material: Plastic (UL94V-1)

Noise Level: 32 dB(A)

Operating Temperature: -10 to +70°C

Storage Temperature: -30 to +70°C

Sensor Type: Locked Rotor Sensor

Protection: Locked Rotor Burnout Protection, Reverse Polarity Protection

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

Insulation Resistance: 10MΩ or more at 500 VDC

Termination: Lead Wires (Red +, Black -, Yellow Sensor)

Designed for critical infrastructure, the 109L0648G4D01 excels in environments where maintenance access is limited and reliability is paramount. Common deployments include telecommunications equipment, server rack cooling, and industrial power supply units. The robust aluminum frame of the 109L0648G4D01 ensures stability in high-vibration settings such as CNC machinery and factory automation control panels, providing consistent thermal management for sensitive electronic components.

Supplemental Images

