

109R0648G4D01 Sanyo Denki 48VDC 60x60x25mm 3-Wire Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 782393890032

Category: Axial & Centrifugal Fans

Price: \$12.99

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Product Page:

<https://www.equipspares.com/product/109r0648g4d01-sanyo-denki-48vdc-60x60x25mm-3-wire-axial-fan>

Product Description

The Sanyo Denki 109R0648G4D01 is a precision-engineered DC axial fan designed for high-reliability industrial cooling applications. Belonging to the renowned San Ace 60 series, this unit utilizes a robust 48VDC motor architecture paired with a dual ball bearing system to ensure exceptional longevity and reduced frictional coefficients. The aerodynamic impeller design optimizes airflow while maintaining a low acoustic profile, effectively managing thermal impedance in dense electronic enclosures. Constructed with UL94V-0 rated flame-retardant materials, the 109R0648G4D01 offers structural rigidity and operational stability. Its 3-wire configuration supports speed monitoring, making it an ideal solution for systems requiring active thermal management and continuous feedback loops.

Model Number: 109R0648G4D01

Brand: Sanyo Denki (San Ace)

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 0.07 A

Input Power: 3.36 W

Rated Speed: 4600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 22.95 CFM (39.0 m³/h / 0.65 m³/min)

Max. Static Pressure: 5.49 mmH₂O (53.9 Pa / 0.21 inH₂O)

Dimensions: 60x60x25 mm

Weight: 90 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 34 dB(A)

Termination: 3-Wire (Lead Wire)

Sensor Output: Pulse Sensor (Tachometer)

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Protection: Locked Rotor Protection, Reverse Polarity Protection

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

The 109R0648G4D01 is engineered for critical thermal regulation in telecommunications infrastructure and industrial automation equipment. Its compact form factor allows for seamless integration into 1U server racks, network switches, and power supply units where space is at a premium but airflow cannot be compromised. Additionally, the 109R0648G4D01 is frequently utilized in CNC control panels and medical instrumentation, providing consistent cooling to sensitive components to prevent thermal throttling and ensure system reliability.

Supplemental Images

