

# 109E4748V4C03 Sanyo Denki 48VDC 37W 172mm Cooling Fan Datasheet



**Brand:** Sanyo Denki

**SKU:** [885045534253](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$33.99**

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Product Page:

<https://www.equipspares.com/product/109e4748v4c03-sanyo-denki-48vdc-37w-172mm-cooling-fan>

## Product Description

Sanyo Denki 109E4748V4C03 is a high-performance 172 x 150 x 25 mm sidecut DC cooling fan operating at a nominal 48 VDC and 0.79 A, delivering substantial airflow and static pressure. Constructed with a robust aluminum frame and a UL94V-1 rated plastic impeller, this unit utilizes a precision dual ball bearing system to ensure a 40,000-hour operational lifespan at 40 °C. The hardware integrates multi-wire lead termination with a built-in pulse sensor for tachometer feedback, alongside locked rotor protection to prevent motor burnout under stalled conditions.

### 109E4748V4C03 Specifications

Model Number: 109E4748V4C03

Brand: Sanyo Denki

Series: San Ace 172 (109E Series)

Product Category: DC Brushless Cooling Fan

Dimensions: 172 x 150 x 25 mm

Nominal Voltage: 48 VDC

Operating Voltage Range: 40.8 to 55.2 VDC

Nominal Current: 0.79 A

Power Consumption: 37.92 W

Frame Material: Aluminum

Impeller Material: Plastic (UL94V-1)

Bearing System: Dual Ball Bearing

Termination: Multi-Wire Leads

Operating Temperature Range: -20 to 60 °C

Expected Lifetime: 40,000 Hours at 40 °C

Protection Features: Locked Rotor Protection

Sensor Type: Pulse Sensor (Tachometer)

Approvals: UL, CSA, TUV, RoHS

Weight: 500 g

#### 109E4748V4C03 Applications

Primary applications include integration into telecom base station cabinets, large-scale PV inverters, and CNC spindle cooling systems. Deployed within high-density server racks, industrial power supplies, and automated factory control panels requiring rigorous thermal management. Utilized extensively in heavy-duty HVAC control units and commercial refrigeration heat exchangers.

## Supplemental Images

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