

# 9GV5748P5H09 Sanyo Denki 48VDC 172x150x51mm PWM Axial Fan Datasheet



**Brand:** Sanyo Denki

**SKU:** [967984824727](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$237.99**

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Product Page:

<https://www.equipspares.com/product/9gv5748p5h09-sanyo-denki-48vdc-172x150x51mm-pwm-axial-fan>

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## Product Description

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The Sanyo Denki 9GV5748P5H09 is a high-capacity DC Axial Fan belonging to the renowned San Ace 172 Guide Vane (GV) series. Engineered with a robust aluminum die-cast frame and UL94V-0 rated plastic impeller, this unit integrates advanced guide vanes to rectify airflow turbulence, significantly enhancing static pressure and reducing thermal impedance in high-density environments. The motor architecture utilizes a brushless DC design paired with precision dual ball bearings, ensuring structural rigidity and prolonged operational stability under heavy loads. This model features Pulse Width Modulation (PWM) for precise speed regulation, optimizing the balance between cooling efficiency and acoustic performance.

Model Number: 9GV5748P5H09

Brand: Sanyo Denki

Series: San Ace 172 GV

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 2.0 A

Rated Power: 96 W

Rated Speed: 6000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 360.0 CFM (10.2 m<sup>3</sup>/min)

Max. Static Pressure: 470 Pa (1.89 inH<sub>2</sub>O / 47.9 mmH<sub>2</sub>O)

Dimensions: 172mm x 150mm x 51mm

Weight: 580 g

Life Expectancy: 40,000 Hours (L10 at 60°C)

Speed Control: PWM Control

Sensor Output: Pulse Sensor (Tachometer)

Frame Material: Aluminum Die-cast

Impeller Material: Plastic (Flammability: UL94V-0)

Operating Temperature: -20°C to +70°C

Storage Temperature: -30°C to +70°C

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

Motor Protection: Locked Rotor Burnout Protection, Reverse Polarity Protection

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

The 9GV5748P5H09 is specifically designed for mission-critical applications requiring high static pressure and substantial airflow volume, such as telecommunications cabinets, high-density server racks, and industrial power supplies. Its guide vane technology makes it ideal for forcing air through tightly packed components where back pressure is a significant factor. Integrators frequently deploy the 9GV5748P5H09 in medical instrumentation and CNC machinery cooling systems to maintain optimal thermal envelopes. The robust construction ensures reliability in harsh industrial environments where consistent cooling is non-negotiable.

## Supplemental Images

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