

9SG5748P5G01 Sanyo Denki 48VDC 172x150x51mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [951520164541](#)

Category: Axial & Centrifugal Fans

Price: **\$92.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/9sg5748p5g01-sanyo-denki-48vdc-172x150x51mm-pwm-axial-fan>

Product Description

The Sanyo Denki 9SG5748P5G01 is a high-performance axial fan engineered for demanding industrial thermal management applications requiring exceptional static pressure. Part of the renowned San Ace 172 9SG series, this unit features a robust aluminum die-cast frame that ensures structural rigidity and superior thermal impedance management under high-load conditions. The aerodynamic design incorporates stationary guide vanes to rectify airflow turbulence, significantly boosting static pressure capabilities compared to standard axial designs. Powered by a high-efficiency DC motor with precision dual ball bearings, the fan supports Pulse Width Modulation (PWM) for dynamic speed regulation, optimizing energy consumption while maintaining critical cooling performance in high-density electronic enclosures.

Model Number: 9SG5748P5G01

Brand: Sanyo Denki (San Ace)

Product Type: Axial Fan (Side Cut)

Rated Voltage: 48V DC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 2.91 A

Power Input: 139.68 W

Rated Speed: 5700 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 370 CFM (628 m³/h / 10.47 m³/min)
Max. Static Pressure: 2.81 inH₂O (700 Pa / 71.4 mmH₂O)
Dimensions: 172mm x 150mm x 51mm
Weight: 860 g
Life Expectancy: 40,000 Hours (at 60°C)
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Pulse Sensor)
Frame Material: Aluminum Die-Cast
Impeller Material: Plastic (UL94V-0)
Ingress Protection: IP Rating Optional (Standard IP20)
Operating Temperature: -20°C to +70°C
Storage Temperature: -30°C to +70°C
Termination: 4-Wire Lead (Red +, Black -, Yellow Sensor, Brown Control)
Motor Protection: Locked Rotor Protection, Reverse Polarity Protection
Dielectric Strength: 50/60 Hz, 500 VAC, 1 minute

Designed for high-impedance environments, the 9SG5748P5G01 is extensively utilized in telecommunications infrastructure and server cabinets where back-pressure resistance is significant. Its robust aluminum construction makes it suitable for industrial inverters, rectifiers, and CNC machinery cooling where durability is paramount. The 9SG5748P5G01 ensures reliable thermal regulation in high-capacity power supply units and medical instrumentation, effectively preventing thermal throttling in mission-critical hardware.

Supplemental Images

