

9WG5748P5HD004 Sanyo Denki 48V 172x150x51mm IP68 Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [914522718926](#)

Category: Axial & Centrifugal Fans

Price: **\$85.71**

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Product Page:

<https://www.equipspares.com/product/9wg5748p5hd004-sanyo-denki-48v-172x150x51mm-ip68-axial-fan>

Product Description

Sanyo Denki 9WG5748P5HD004 is a 172 x 150 x 51 mm axial fan operating at 48 V DC with a rated current of 1.62 A and a power consumption of 77.76 W. The unit features an aluminum frame and a plastic impeller rated UL 94V-0, utilizing a dual ball bearing system for mechanical rotation. It delivers a maximum airflow of 11.3 m³/min (399 CFM) and a maximum static pressure of 550 Pa at a rated speed of 8400 RPM. The internal circuitry is fully encapsulated to achieve an IP 68 ingress protection rating, ensuring operation in environments with water and dust exposure. Control is managed via a PWM interface for variable speed adjustment.

9WG5748P5HD004 Specifications

Model: 9WG5748P5HD004

Brand: Sanyo Denki

Series: San Ace 172 9WG

Frame Size: 172 x 150 x 51 mm

Rated Voltage: 48 V DC

Operating Voltage Range: 36 to 72 V DC

Rated Current: 1.62 A

Rated Input: 77.76 W

Rated Speed: 8400 RPM

Max Airflow: 11.3 m³/min

Max Airflow: 399 CFM

Max Static Pressure: 550 Pa

Max Static Pressure: 2.21 inchH₂O

Sound Pressure Level: 68 dB (A)

Operating Temperature: -20 to +70 °C

Storage Temperature: -30 to +70 °C

Life Expectancy: 40000 hours at 60 °C

IP Rating: IP 68

PWM Control: Yes

Bearing Type: Dual Ball Bearing

Frame Material: Aluminum

Impeller Material: Plastic (UL 94V-0)

Mass: 860 g

9WG5748P5HD004 Applications

Primary applications include integration into outdoor telecommunications base stations, solar power inverters, and industrial frequency converters requiring high-pressure thermal management. Deployed within commercial EV charging stations and large-scale server rack cooling systems where exposure to moisture or particulate matter is prevalent.

Supplemental Images

