

# 9WG5748P5G001 Sanyo Denki 48V 172x150x51mm DC Axial Fan

**SKU:** 9WG5748P5G001

**Price:** \$189.99

**Categories:** Fans

**Tags:** Sanyo Denki

**Product Link:**

<https://www.electspares.com/product/9wg5748p5g001-sanyo-denki-48v-172x150x51mm-dc-axial-fan/>

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## Product Description

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The Sanyo Denki 9WG5748P5G001 is a high-performance 48VDC splash-proof axial fan with dimensions of 172 x 150 x 51 mm, specifically engineered for mission-critical cooling in outdoor and harsh industrial environments. As part of the San Ace 172W series, this side-cut round frame fan features a robust aluminum housing and a high-efficiency 7-blade impeller (UL 94V-1), with an industry-leading IP68 rating for complete protection against dust and high-pressure water jets. It operates at a rated speed of 8,600 min<sup>-1</sup>, delivering a massive air flow of 546 CFM (927.7 m<sup>3</sup>/h) and a peak static pressure of 4.02 inH<sub>2</sub>O (1,000 Pa). Equipped with a precision dual ball bearing system and PWM control functionality, the 9WG5748P5G001 ensures a reliable service life of 70,000 hours at 40 °C. This model is characterized by its superior environmental resilience and integrated speed monitoring, making it an essential cooling solution for 5G base stations, solar inverters, and outdoor telecommunications enclosures.

9WG5748P5G001 Fan Parameters

Manufacturer: Sanyo Denki

Model Number: 9WG5748P5G001

Type: DC Axial Fan

Series: San Ace 172W

Dimensions: 172 x 150 x 51 mm

Weight: 860 g

Frame Material: Aluminum

Impeller Material: Plastics (UL 94V-1)

Bearing Type: Dual Ball Bearing

Number of Blades: 5

Rated Voltage: 48 VDC

Operating Voltage Range: 40.8 – 55.2 VDC  
Rated Current: 2.91 A  
Rated Input Power: 140.0 W  
Rated Speed: 8,600 min<sup>-1</sup> (RPM)  
Max. Air Flow: 546 CFM (927.7 m<sup>3</sup>/h / 15.46 m<sup>3</sup>/min)  
Max. Static Pressure: 4.02 inH<sub>2</sub>O (1,000 Pa / 102 mmH<sub>2</sub>O)  
Sound Pressure Level: 78 dB(A)  
Termination: 4 Lead Wires (300 mm)  
Wire Functions: Red (+), Black (-), Yellow (Tachometer), Brown (PWM)  
Control Interface: PWM Control / Pulse Sensor  
Operating Temperature: -20 – +70 °C  
Storage Temperature: -30 – +70 °C  
Expected Life: 70,000 h (at 40 °C) / 40,000 h (at 60 °C)  
Ingress Protection: IP68 (Dust-tight and Waterproof)  
Locked Rotor Protection: Supported  
Reverse Polarity Protection: Supported  
Safety Approvals: UL, CSA, TUV, RoHS

#### Application

The Sanyo Denki 9WG5748P5G001 splash-proof axial fan is specifically designed for cooling 5G telecommunications base stations, outdoor solar power inverters, EV charging piles, environmental control systems, and industrial equipment operating in high-moisture or wash-down environments.

## Product Images

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