

9G1248P1G051 Sanyo Denki 48VDC 120x120x38mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [987057991271](#)

Category: Axial & Centrifugal Fans

Price: **\$30.99**

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<https://www.equipspares.com/product/9g1248p1g051-sanyo-denki-48vdc-120x120x38mm-pwm-axial-fan>

Product Description

The Sanyo Denki 9G1248P1G051 is a precision-engineered DC axial fan designed for high-reliability industrial thermal management. Part of the renowned San Ace 120 series, this unit utilizes advanced dual ball bearing architecture to ensure minimal friction and extended operational longevity under continuous load. The 48VDC motor features Pulse Width Modulation (PWM) control, allowing for dynamic speed adjustment to balance thermal impedance with acoustic performance. Its aerodynamic impeller design optimizes static pressure capabilities, making it ideal for overcoming high system resistance in dense electronic enclosures. Constructed with structural rigidity in mind, the 9G1248P1G051 delivers consistent cooling performance for critical infrastructure, ensuring stability in variable frequency drives and power conversion systems.

Model Number: 9G1248P1G051

Brand: Sanyo Denki (San Ace)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 0.25 A

Input Power: 12.0 W

Rated Speed: 3600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 138 CFM (234 m³/h / 3.9 m³/min)

Max. Static Pressure: 11.4 mmH₂O (112 Pa / 0.45 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 290 g

Life Expectancy: 40,000 Hours (60°C) / 70,000 Hours (40°C)

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead (Red +, Black -, Yellow Sensor, Brown Control)

Ingress Protection: IP Standard

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -20°C to +70°C

Storage Temperature: -30°C to +70°C

Noise Level: 49 dB(A)

Safety Certifications: UL, CSA, TUV

Protection: Locked Rotor Protection, Reverse Polarity Protection

The 9G1248P1G051 is engineered for demanding industrial environments requiring substantial airflow and reliability. It is frequently deployed in variable frequency drive (VFD) inverters and power conversion systems where heat dissipation is critical for component longevity. Telecommunication base stations and high-density server racks also utilize the 9G1248P1G051 to maintain optimal operating temperatures. Additionally, this model serves effectively in automation control panels and medical instrumentation, ensuring that sensitive electronics remain within safe thermal limits during continuous operation.

Supplemental Images

