

9GS1248P1G11 Sanyo Denki 48VDC 120x120x38mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 845955200921

Category: Axial & Centrifugal Fans

Price: **\$37.99**

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Product Page:

<https://www.equipspares.com/product/9gs1248p1g11-sanyo-denki-48vdc-120x120x38mm-pwm-axial-fan>

Product Description

The Sanyo Denki 9GS1248P1G11 is a high-efficiency DC Axial Fan engineered for demanding industrial cooling applications, specifically optimized for variable frequency drives and high-density electronics. Part of the renowned San Ace 120 9GS series, this unit features a robust thermoplastic frame designed to minimize structural vibration while optimizing aerodynamic throughput. Utilizing advanced dual ball bearing architecture, it ensures prolonged operational stability and reduced thermal impedance under continuous load. The 48VDC motor integrates precise PWM speed control, allowing for dynamic thermal management in variable environments. Its impeller geometry is calibrated to deliver superior static pressure, making it an ideal solution for systems requiring reliable heat dissipation against high system impedance.

Model Number: 9GS1248P1G11

Brand: Sanyo Denki

Product Type: DC Axial Fan

Series: San Ace 120 (9GS Type)

Rated Voltage: 48 VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 1.0 A

Rated Input Power: 48 W

Rated Speed: 6400 RPM

Max. Air Flow: 226 CFM (6.4 m³/min)
Max. Static Pressure: 360 Pa (1.45 inH₂O)
Dimensions: 120mm x 120mm x 38mm
Bearing Type: Dual Ball Bearing
Noise Level: 61 dB(A)
Life Expectancy: 40,000 Hours at 60°C
Frame Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Speed Control: PWM (Pulse Width Modulation)
Sensor: Pulse Sensor (Tachometer)
Operating Temperature: -20°C to +70°C
Storage Temperature: -30°C to +70°C
Protection: Locked Rotor Protection, Reverse Polarity Protection
Dielectric Strength: 50/60 Hz, 500 VAC, 1 minute
Insulation Resistance: 10 MΩ or more at 500 VDC
Weight: 360 g

Designed for critical thermal regulation, the 9GS1248P1G11 excels in environments such as variable frequency drive (VFD) cooling, specifically serving as a replacement component for Danfoss inverter systems where consistent airflow is paramount. This fan is also widely utilized in high-performance server racks, telecommunications infrastructure, and industrial automation control panels. The robust design of the 9GS1248P1G11 ensures reliability in CNC machinery and medical instrumentation, providing essential cooling to prevent thermal throttling in sensitive electronic components.

Supplemental Images

