

9G1212HG101 Sanyo Denki 12VDC 120x120x38mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [653891344460](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

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Product Page:

<https://www.equipspares.com/product/9g1212hg101-sanyo-denki-12vdc-120x120x38mm-axial-fan>

Product Description

Sanyo Denki 9G1212HG101 is a 12VDC 120x120x38mm Axial Fan optimized for high-density thermal management in mission-critical hardware. This San Ace 120 9G series unit utilizes a high-efficiency DC motor and a precision dual ball bearing architecture to minimize friction and extend service life in continuous duty cycles. The aerodynamic impeller design is engineered for high structural rigidity, effectively reducing blade deformation under high static pressure loads. With a rated current of 0.98A and a rotational speed of 3600RPM, this fan delivers a robust 129.2 CFM of airflow while overcoming significant thermal impedance in restricted enclosures. The integrated 3-wire configuration provides a dedicated tachometer signal for real-time RPM monitoring and system health diagnostics.

Model Number: 9G1212HG101

Brand: Sanyo Denki

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.98A

Power: 11.76W

Rated Speed: 3600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 129.2 CFM (3.66 m³/min)

Max. Static Pressure: 11.5 mmH₂O (113 Pa / 0.45 inH₂O)

Dimensions: 120x120x38mm

Weight: 290g

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

Noise Level: 48 dB(A)

Speed Control: Tachometer (Pulse Sensor)

Termination: 3-Wire Lead Wires

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Operating Temperature: -20 to +70°C

Storage Temperature: -30 to +70°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Insulation Resistance: 10M Ohm or more at 500VDC

Dielectric Strength: 50/60Hz, 500VAC, for 1 minute

9G1212HG101 Applications

1. Enterprise Server Chassis: The 38mm depth and 113Pa static pressure make it an ideal replacement fan for 3U/4U rackmount servers requiring high-pressure cooling across dense drive arrays.
2. Industrial Inverter Cooling: High structural rigidity allows for reliable operation in VFD cabinets where overcoming internal system impedance is critical for power component longevity.
3. Telecom Base Stations: The dual ball bearing system provides the necessary mechanical advantage for vertical mounting in ruggedized outdoor enclosures with high thermal loads.

Supplemental Images

