

9GV1224H102 Sanyo Denki 24VDC 120mm Guide Vane Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [934638945418](#)

Category: Axial & Centrifugal Fans

Price: **\$25.99**

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Product Page:

<https://www.equipspares.com/product/9gv1224h102-sanyo-denki-24vdc-120mm-guide-vane-axial-fan>

Product Description

The Sanyo Denki 9GV1224H102 is a high-performance DC Axial Fan engineered to deliver superior aerodynamic efficiency through its proprietary Guide Vane technology. Designed to straighten airflow and increase static pressure, this unit significantly reduces vortex loss compared to standard fan geometries. The motor assembly utilizes a robust DC driver paired with precision dual ball bearings, ensuring exceptional structural rigidity and minimized frictional heat generation. This architecture lowers the thermal impedance of the cooling system, extending the operational lifespan of the component under continuous heavy loads. The 9GV1224H102 is constructed with industrial-grade materials to withstand rigorous environmental conditions while maintaining optimal airflow dynamics.

Model Number: 9GV1224H102

Brand: Sanyo Denki (San Ace)

Product Type: DC Axial Fan (Guide Vane)

Rated Voltage: 24 VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.8 A

Power Consumption: 19.2 W

Rated Speed: 4000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 136.0 CFM (231 m³/h / 3.85 m³/min)

Max. Static Pressure: 13.4 mmH₂O (131.4 Pa / 0.53 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 370 g

Life Expectancy: 40,000 Hours at 60°C

Noise Level: 46 dB(A)

Frame Material: Plastics (UL94V-0)

Impeller Material: Plastics (UL94V-0)

Termination: 2-Wire Lead (Red +, Black -)

Operating Temperature: -10 to +70°C

Storage Temperature: -30 to +70°C

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Mounting Orientation: Any

The 9GV1224H102 is critical for maintaining thermal equilibrium in high-density electronic assemblies, specifically variable frequency drives (VFDs) and industrial power rectifiers. Its ability to generate high static pressure makes the 9GV1224H102 ideal for overcoming the impedance found in tightly packed server racks and CNC machinery control cabinets. Additionally, this model is frequently deployed in telecommunication infrastructure and medical instrumentation where reliable, consistent air exchange is required to prevent component degradation due to heat accumulation.

Supplemental Images

