

9G1224A402 Sanyo Denki 24VDC 120x120x25mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 983393990419

Category: Axial & Centrifugal Fans

Price: **\$18.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/9g1224a402-sanyo-denki-24vdc-120x120x25mm-axial-fan>

Product Description

The Sanyo Denki 9G1224A402 is a precision-engineered Axial Fan designed for critical thermal management in industrial electronics. Belonging to the renowned San Ace 120 series, this unit utilizes advanced DC motor technology paired with a robust dual ball bearing architecture to ensure minimal friction and extended operational longevity. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity under high static pressure conditions. Engineered with a flame-retardant plastic frame, it offers superior thermal impedance characteristics, making it an ideal solution for systems requiring consistent cooling performance and reliability in demanding environments.

Model Number: 9G1224A402

Brand: Sanyo Denki

Product Type: DC Axial Fan

Series: San Ace 120 (9G Type)

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.21 A

Power Input: 5.04 W

Rated Speed: 2850 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 88.3 CFM (2.5 m³/min)

Max. Static Pressure: 5.9 mmH₂O (57.8 Pa / 0.23 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 260 g

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

Noise Level: 40 dBA

Frame Material: Plastics (Flammability: UL94V-0)

Impeller Material: Plastics (Flammability: UL94V-0)

Ingress Protection: Standard

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

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

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

Motor Protection: Locked Rotor Burnout Protection, Reverse Polarity Protection

Mounting Orientation: Any

This high-reliability cooling solution is specifically engineered for industrial automation and power conversion equipment. The 9G1224A402 is frequently deployed in variable frequency drive (VFD) inverters, ensuring optimal thermal regulation for power semiconductors. Additionally, the 9G1224A402 serves as a critical component in server rack ventilation systems, CNC control cabinets, and telecommunications power supplies where continuous operation is mandatory. Its balanced acoustic profile and airflow capabilities also make it suitable for medical instrumentation and precision laboratory equipment requiring stable thermal envelopes.

Supplemental Images

