

109P1224H402 Sanyo Denki 24VDC 120x120x25mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 839504999897

Category: Axial & Centrifugal Fans

Price: \$18.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/109p1224h402-sanyo-denki-24vdc-120x120x25mm-axial-fan>

Product Description

The Sanyo Denki 109P1224H402 is a high-reliability DC axial fan from the distinguished San Ace 120 series, engineered to deliver superior thermal management in industrial environments. This unit features a robust dual ball bearing architecture, which significantly reduces frictional resistance and enhances the lifespan of the motor compared to sleeve bearing alternatives. The aerodynamic impeller design is optimized for high static pressure and efficient airflow, ensuring structural rigidity and minimal vibration during operation. Designed for continuous duty cycles, the 109P1224H402 maintains stable thermal impedance, making it a critical component for protecting sensitive electronics from heat-induced degradation.

Model Number: 109P1224H402

Brand: Sanyo Denki

Product Type: DC Axial Fan

Series: San Ace 120 (Type 9P)

Rated Voltage: 24 VDC

Operating Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.24 A

Rated Input Power: 5.76 W

Rated Speed: 2700 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 88.3 CFM (2.5 m³/min)

Max. Static Pressure: 6.5 mmH₂O (63.7 Pa / 0.25 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 210 g

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

Noise Level: 40 dB(A)

Frame Material: Plastics (Flammability: UL94V-0)

Impeller Material: Plastics (Flammability: UL94V-0)

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

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

Insulation Resistance: 10MΩ or more at 500 VDC

Operating Temperature: -10°C to +70°C (Non-condensing)

Storage Temperature: -30°C to +70°C (Non-condensing)

Motor Protection: Locked Rotor Burnout Protection; Reverse Polarity Protection

Mounting Orientation: Any

Ingress Protection: Standard IP Rating

The 109P1224H402 is widely utilized in critical industrial applications, specifically excelling in the cooling of variable frequency drive (VFD) inverters and power supply units where reliability is non-negotiable. Its precise airflow characteristics make it an excellent choice for server rack ventilation and telecommunications cabinets, ensuring optimal operating conditions for high-density electronics. Furthermore, the 109P1224H402 is frequently integrated into CNC control panels and medical instrumentation, providing the necessary thermal regulation to prevent system downtime and extend the service life of expensive machinery.

Supplemental Images

