

# 109P1224H401 Sanyo Denki 24VDC 120x120x25mm Axial Fan Datasheet



**Brand:** Sanyo Denki

**SKU:** [995612960962](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$17.99**

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Product Page:

<https://www.equipspares.com/product/109p1224h401-sanyo-denki-24vdc-120x120x25mm-axial-fan>

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## Product Description

The Sanyo Denki 109P1224H401 is a precision-engineered axial cooling fan designed for high-reliability thermal management systems. Belonging to the renowned San Ace 120 series, this unit utilizes a robust DC motor architecture paired with a dual ball bearing system to ensure minimal friction and extended operational longevity. The aerodynamic impeller design optimizes airflow efficiency while maintaining a low acoustic profile, effectively reducing thermal impedance in densely packed electronic enclosures. Constructed with structural rigidity in mind, the frame resists deformation under thermal stress, making it suitable for continuous duty cycles in industrial environments requiring consistent static pressure and volumetric flow performance.

Model Number: 109P1224H401

Brand: Sanyo Denki

Product Type: Axial Fan

Series: San Ace 120 (Type 9P)

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.24 A

Power Input: 5.76 W

Rated Speed: 2600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 74.1 CFM (2.1 m<sup>3</sup>/min)

Max. Static Pressure: 46.1 Pa (4.7 mmH<sub>2</sub>O / 0.185 inH<sub>2</sub>O)

Dimensions: 120 x 120 x 25 mm

Weight: 190 g

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

Noise Level: 34 dB(A)

Frame Material: Plastics (Flammability: UL94V-0)

Impeller Material: Plastics (Flammability: UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Protection: Locked Rotor Burnout Protection, Reverse Polarity Protection

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

Insulation Resistance: 10M Ω or more at 500 VDC

Termination: Lead Wire (Red +, Black -)

The 109P1224H401 is engineered for critical cooling applications where reliability is paramount, such as in industrial automation control panels and server rack ventilation systems. Its balanced airflow and pressure characteristics make it an ideal choice for telecommunications equipment and power supply units that generate significant heat loads. Additionally, the 109P1224H401 is frequently utilized in medical instrumentation and CNC machinery electronics, ensuring stable operating temperatures for sensitive components during prolonged operation.

## Supplemental Images

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