

109S025 Sanyo Denki 230VAC 120x120x38mm Terminals Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [681107889438](#)

Category: Axial & Centrifugal Fans

Price: **\$35.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/109s025-sanyo-denki-230vac-120x120x38mm-terminals-axial-fan>

Product Description

The Sanyo Denki 109S025 is a robust AC Axial Fan engineered for rigorous industrial thermal management applications. Utilizing a shaded pole induction motor and a precision dual ball bearing architecture, this unit ensures operational longevity and structural rigidity within its aluminum die-cast frame. The aerodynamic impeller design optimizes airflow efficiency while maintaining a manageable thermal impedance profile. Designed for 230VAC systems, it delivers consistent cooling performance, mitigating heat accumulation in high-density electronic enclosures and machinery. The unit features impedance protection to prevent motor burnout during locked rotor conditions, ensuring reliability in critical infrastructure.

Model Number: 109S025

Brand: Sanyo Denki

Product Type: AC Axial Fan

Rated Voltage: 230VAC

Frequency: 50 / 60 Hz

Voltage Range: 207 - 253 VAC

Rated Current: 0.08 / 0.07 A

Power Input: 14 / 12 W

Rated Speed: 2700 / 3100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 102 CFM (173.3 m³/h / 2.9 m³/min)

Max. Static Pressure: 6.7 mmH₂O (65.7 Pa / 0.26 inH₂O)

Dimensions: 120x120x38mm

Weight: 550g

Life Expectancy: 25,000 Hours (at 60°C)

Termination: Terminals (Faston)

Frame Material: Aluminum Die-Cast

Impeller Material: Plastic (UL94V-1)

Operating Temperature: -30°C to +60°C

Storage Temperature: -30°C to +70°C

Noise Level: 40 / 43 dB(A)

Dielectric Strength: 1500VAC for 1 minute

Motor Protection: Impedance Protection

Insulation Resistance: 10MΩ min. at 500VDC

Mounting Orientation: Any

The 109S025 is specifically calibrated for integration into industrial control cabinets, server racks, and power supply units where reliable AC cooling is mandatory. Its robust construction makes the 109S025 ideal for CNC machinery and telecommunications infrastructure requiring sustained airflow. By effectively dissipating heat in restricted spaces, this model ensures the longevity of sensitive components in automation and medical instrumentation environments.

Supplemental Images

