

9L0412H308 Sanyo Denki 12VDC 40x40x28mm Aluminum Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 797642266393

Category: Axial & Centrifugal Fans

Price: \$9.99

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Product Page:

<https://www.equipspares.com/product/9l0412h308-sanyo-denki-12vdc-40x40x28mm-aluminum-axial-fan>

Product Description

The Sanyo Denki 9L0412H308 is a precision-engineered axial cooling fan designed for environments demanding exceptional structural rigidity and thermal resilience. Featuring a robust aluminum die-cast frame, this unit minimizes vibration-induced noise while acting as a secondary heat sink, enhancing overall thermal impedance management. The motor assembly utilizes a dual ball bearing architecture to ensure operational stability under elevated temperatures and continuous duty cycles. Its aerodynamic impeller design optimizes airflow efficiency relative to its compact footprint, making it a critical component for industrial systems requiring sustained reliability and extended service life in harsh operating conditions.

Model Number: 9L0412H308

Brand: Sanyo Denki (San Ace)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.15 A

Power Consumption: 1.8 W

Rated Speed: 9500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 10.95 CFM (18.6 m³/h / 0.31 m³/min)

Max. Static Pressure: 6.6 mmH₂O (64.7 Pa / 0.26 inH₂O)

Dimensions: 40 x 40 x 28 mm

Frame Material: Aluminum Die-Cast

Impeller Material: Plastic (UL94V-0)

Noise Level: 39 dB(A)

Life Expectancy: 100,000 Hours (at 60°C)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Termination: Lead Wires (Red +, Black -, Yellow Sensor)

Speed Control: Tachometer Output (Optional)

Ingress Protection: IP4X

Insulation Resistance: 10MΩ at 500VDC

Dielectric Strength: 500VAC for 1 minute

Motor Protection: Locked Rotor Protection; Reverse Polarity Protection

Weight: 55 g

This robust cooling solution is specifically engineered for high-density industrial applications where space is constrained but thermal loads are significant. The 9L0412H308 is frequently integrated into 1U server racks, telecommunications power supplies, and compact industrial automation controllers. Its aluminum construction makes the 9L0412H308 particularly suitable for medical instrumentation and optical devices where electromagnetic interference and vibration must be strictly controlled alongside temperature regulation.

Supplemental Images

