109E5712V5Y03 Sanyo Denki 12VDC 172x150x51mm Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 784681977028

Category: Axial & Centrifugal Fans

Price: **$27.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/109e5712v5y03-sanyo-denki-12vdc-172x150x51mm-axial-fan

Product Description

The Sanyo Denki 109E5712V5Y03 is a high-performance DC Axial Fan engineered for critical thermal management in industrial environments. Featuring a robust aluminum die-cast frame and precision-balanced thermoplastic impeller, this unit optimizes aerodynamic throughput while maintaining structural rigidity under high static pressure conditions. The motor assembly utilizes a dual ball bearing architecture, significantly reducing friction and thermal impedance to ensure extended operational longevity. Designed for 12VDC systems, the 109E5712V5Y03 delivers exceptional airflow capabilities, making it an ideal solution for mitigating heat accumulation in densely populated electronic enclosures and power conversion systems.

Model Number: 109E5712V5Y03
Brand: Sanyo Denki (San Ace 172)
Product Type: DC Axial Fan
Frame Design: Side Cut (Oval)
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 2.3 A
Power Consumption: 27.6 W
Rated Speed: 4100 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 260 CFM (7.36 m^3/min)
Max. Static Pressure: 215 Pa (0.86 inH_2O)
Dimensions: 172mm x 150mm x 51mm
Weight: 800 g
Life Expectancy: 40,000 Hours at 60°C
Noise Level: 58 dBA
Housing Material: Aluminum Die-Cast
Impeller Material: Plastic (UL94V-0)
Termination: Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -30°C to +70°C
Ingress Protection: IP4X
Motor Protection: Locked Rotor Protection, Reverse Polarity Protection
Mounting Orientation: Any

This cooling solution is specifically calibrated for high-demand industrial applications requiring substantial air volume displacement. The 109E5712V5Y03 is frequently integrated into variable frequency drives (VFDs), large-scale server cabinets, and telecommunications base stations where reliable heat dissipation is paramount. Additionally, the 109E5712V5Y03 serves as a critical component in medical instrumentation and CNC machinery control panels, ensuring stable operating temperatures for sensitive electronic components.

Supplemental Images