109E5712Y5J04 Sanyo Denki 12VDC 172mm 3-Wire DC Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 1006839870190

Category: Axial & Centrifugal Fans

Price: **$25.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/109e5712y5j04-sanyo-denki-12vdc-172mm-3-wire-dc-axial-fan

Product Description

The Sanyo Denki 109E5712Y5J04 is a high-capacity DC Axial Fan engineered for rigorous industrial thermal management applications. Built within a robust aluminum die-cast frame, this unit offers superior structural rigidity and enhanced heat dissipation capabilities compared to standard plastic housings. The propulsion system features a precision-balanced 5-blade impeller driven by a powerful DC motor utilizing double ball bearing architecture, ensuring exceptional longevity and stability under continuous high-load operation. This design significantly reduces thermal impedance within enclosures, delivering a high volume of air to neutralize hotspots in dense electronic assemblies.

Model Number: 109E5712Y5J04
Brand: Sanyo Denki
Product Type: DC Axial Fan
Series: San Ace 172
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 2.3 A
Power Input: 27.6 W
Rated Speed: 4100 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 226 CFM (384 m^3/h / 6.4 m^3/min)

Max. Static Pressure: 21.5 mmH_2O (210 Pa / 0.85 inH_2O)
Dimensions: 172 x 150 x 51 mm
Weight: 780 g
Life Expectancy: 40,000 Hours at 60°C
Frame Material: Aluminum Die-Cast
Impeller Material: Plastic (UL94V-0)
Noise Level: 55 dBA
Termination: 3-Wire Lead
Sensor Output: Pulse Sensor (Tachometer)
Operating Temperature: -10°C to +70°C
Storage Temperature: -30°C to +70°C
Ingress Protection: IP4X
Safety Certifications: UL, CSA, TUV
Mounting Orientation: Any

The 109E5712Y5J04 is specifically calibrated for environments requiring substantial airflow and high static pressure to overcome system resistance. Primary applications include the cooling of variable frequency drives (VFDs), large-scale server racks, and telecommunications infrastructure where reliability is paramount. Additionally, the 109E5712Y5J04 is widely deployed in CNC machinery and industrial power supply units to maintain safe operating temperatures for sensitive power electronics.

Supplemental Images