109-312 Sanyo Denki 200VAC 172x172x51mm Aluminum Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 962588707879

Category: Axial & Centrifugal Fans

Price: **$135.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/109-312-sanyo-denki-200vac-172x172x51mm-aluminum-axial-fan

Product Description

The Sanyo Denki 109-312 is a robust Axial Fan engineered for demanding industrial environments requiring superior thermal impedance management. This unit features a durable AC motor architecture supported by precision double ball bearings, ensuring extended operational longevity and structural rigidity. The 109-312 utilizes a high-grade aluminum alloy housing which acts as a secondary heat sink while providing exceptional ingress protection against environmental stressors. Its aerodynamic impeller design optimizes airflow efficiency, making it an ideal solution for systems where reliability and consistent cooling performance are critical parameters.

Model Number: 109-312
Brand: Sanyo Denki
Series: San Ace 172
Product Type: AC Axial Fan
Rated Voltage: 200VAC
Frequency: 50 / 60 Hz
Input Power: 27 / 25 W
Rated Current: 0.16 / 0.13 A
Rated Speed: 2900 / 3300 RPM
Max. Air Flow: 235 CFM (399 m^3/h / 6.65 m^3/min)

Max. Static Pressure: 16.8 mmH_2O (165 Pa / 0.66 inH_2O)
Bearing Type: Double Ball Bearing
Dimensions: 172 x 172 x 51 mm
Housing Material: Aluminum Alloy
Impeller Material: Polycarbonate (UL94V-0)
Noise Level: 52 / 55 dB(A)
Operating Temperature: -30°C to +70°C
Storage Temperature: -40°C to +80°C
Life Expectancy: 25,000 Hours (at 60°C)
Dielectric Strength: 1500 VAC for 1 minute
Insulation Resistance: 10MΩ at 500VDC
Motor Protection: Impedance Protection
Weight: 1100 g

The 109-312 is specifically designed for high-density industrial applications such as large-scale server racks, factory automation control cabinets, and heavy-duty power supply units. Due to its robust aluminum construction, the 109-312 excels in environments where vibration and thermal stress are prevalent, ensuring continuous operation in CNC machinery, medical instrumentation, and telecommunications infrastructure.

Supplemental Images