

109E5712Y5J03 Sanyo Denki 12V 172x150x51mm DC Axial Fan

SKU: 109E5712Y5J03

Price: \$79.28

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/109e5712y5j03-sanyo-denki-12v-172x150x51mm-dc-axial-fan/>

Product Description

The Sanyo Denki 109E5712Y5J03 is a high-performance 12VDC axial fan with dimensions of 172 x 150 x 51 mm, specifically engineered to deliver massive airflow in demanding industrial environments. As part of the San Ace 172 (9E type) series, this cooling solution features a rugged precision-cast aluminum sidecut frame and a specialized 5-blade plastic impeller (UL 94V-0) for maximum structural durability and optimized pneumatic efficiency. It operates at a rated speed of 3,800 RPM, producing a substantial air flow of 282.5 CFM (480 m³/h) and a static pressure of 0.84 inH₂O (210 Pa). Equipped with a high-precision dual ball bearing system and a tachometer sensor for real-time speed monitoring, the 109E5712Y5J03 ensures an extended service life of 70,000 hours at 40°C. This model is characterized by its superior thermal management capabilities for high-capacity power supplies, telecommunications enclosures, and heavy-duty industrial automation cabinets.

109E5712Y5J03 Fan Parameters

Manufacturer: Sanyo Denki

Model Number: 109E5712Y5J03

Series: San Ace 172 (9E type)

Type: DC Axial Fan

Dimensions: 172 x 150 x 51 mm (Sidecut)

Weight: 760 g

Frame Material: Aluminum

Impeller Material: Plastics (UL 94V-0)

Bearing Type: Dual Ball Bearing

Number of Blades: 5

Rated Voltage: 12 VDC

Operating Voltage Range: 10.2 - 13.8 VDC

Rated Current: 2.30 A

Rated Input Power: 27.6 W

Rated Speed: 3,800 RPM

Max. Air Flow: 282.5 CFM (480 m³/h / 8.0 m³/min)

Max. Static Pressure: 0.84 inH₂O (210 Pa / 21.4 mmH₂O)

Sound Pressure Level: 60 dB(A)

Termination: 3 Lead Wires (300 mm, AWG 22)

Wire Functions: Red (+), Black (-), Yellow (Tachometer/Pulse Sensor)

Control Interface: Tachometer Sensor

Operating Temperature: -20 - +60 °C

Storage Temperature: -30 - +70 °C

Expected Life: 40,000 h (at 60 °C) / 70,000 h (at 40 °C)

Locked Rotor Protection: Supported

Reverse Polarity Protection: Supported

Dielectric Strength: 50/60 Hz, 500 VAC, for 1 minute

Insulation Resistance: 10 MΩ or more (500 VDC)

Safety Approvals: UL, CSA, TUV, RoHS

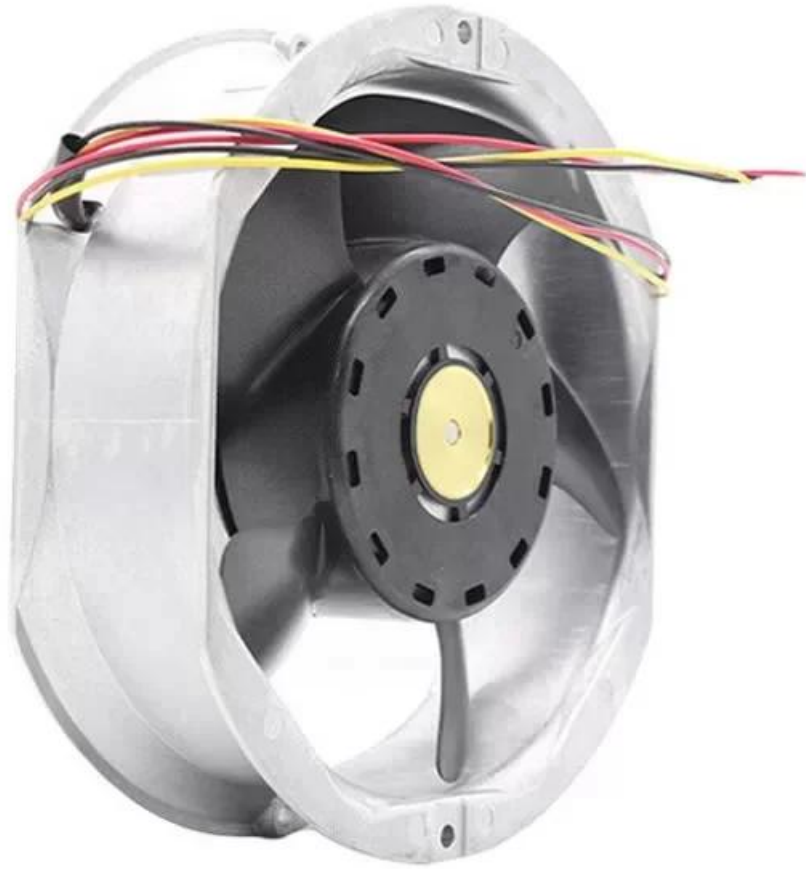
Application

This large-format axial fan is specifically designed for cooling high-capacity server racks, telecommunications base stations, large-scale switching power supplies, industrial control panels, and medical imaging equipment where high-volume air displacement is essential.

Product Images









Scan for product details:

