

109-044UL Sanyo Denki 230VAC 120x120x38mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [1020953098212](#)

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/109-044ul-sanyo-denki-230vac-120x120x38mm-axial-fan>

Product Description

The Sanyo Denki 109-044UL is a robust AC Axial Fan engineered for high-reliability industrial thermal management. Belonging to the renowned San Ace 120 series, this unit features a durable aluminum die-cast frame that provides exceptional structural rigidity and effective heat dissipation. The motor utilizes a shaded pole induction design optimized for single-phase 230VAC operation, ensuring consistent torque delivery across 50/60Hz frequencies. Its aerodynamic impeller geometry minimizes turbulence while maximizing static pressure, resulting in a favorable thermal impedance profile. Designed for continuous duty, the 109-044UL integrates precision ball bearings to extend operational lifespan and maintain stability under varying environmental loads.

Model Number: 109-044UL

Brand: Sanyo Denki

Product Type: AC Axial Fan

Series: San Ace 120

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Input Current: 0.06 / 0.05 A

Input Power: 14 / 11 W

Rated Speed: 2700 / 3100 RPM

Max. Air Flow: 88.2 / 102.0 CFM (2.5 / 2.9 m³/min)

Max. Static Pressure: 6.86 / 8.24 mmH₂O (67.6 / 81.3 Pa / 0.27 / 0.32 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 550 g

Bearing Type: Double Ball Bearing

Frame Material: Aluminum Die-cast

Impeller Material: Plastic (UL94V-1)

Noise Level: 42 / 45 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: 10M Ohm min. at 500 VDC

Motor Protection: Impedance Protection

Ingress Protection: IP2X

Flammability Rating: UL94V-1

Compliance: RoHS, UL, CSA, TUV

The 109-044UL is specifically calibrated for demanding industrial environments requiring sustained airflow and thermal regulation. Common deployment scenarios include control cabinet cooling, server rack ventilation, and power supply unit heat dissipation. The 109-044UL excels in CNC machinery and medical instrumentation where consistent AC cooling is critical. Additionally, this model is frequently utilized in telecommunications infrastructure to maintain optimal operating temperatures for sensitive electronic components.

Supplemental Images

