

109S085 Sanyo Denki 100V 13.5W 120x120x25mm AC Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [851002624607](#)

Category: Axial & Centrifugal Fans

Price: **\$138.57**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/109s085-sanyo-denki-100v-13-5w-120x120x25mm-ac-axial-fan>

Product Description

Sanyo Denki 109S085 is a high-performance AC axial fan measuring 120 x 120 x 25 mm, operating at a nominal 100 VAC with a power consumption of 13.5 W and a maximum airflow of 81.3 CFM. The unit features a robust die-cast aluminum frame and a plastic impeller rated UL 94V-1, supported by a precision dual ball bearing system for extended operational life. It utilizes a 2-terminal interface for electrical connection and delivers a maximum static pressure of 51.9 Pa while maintaining a noise level of 41 dB(A) at 60 Hz. The internal motor is designed for continuous duty with an expected life of 25,000 hours at 60 °C.

109S085 Specifications

Model Number: 109S085

Brand: Sanyo Denki

Series: San Ace 120

Category: AC Axial Fan

Rated Voltage: 100 VAC

Operating Voltage Range: 90 to 110 VAC

Frequency: 50/60 Hz

Rated Input: 13.5/12 W

Rated Current: 0.16/0.14 A

Maximum Airflow: 1.95/2.3 m³/min (68.9/81.3 CFM)

Maximum Static Pressure: 48/51.9 Pa (0.193/0.216 inchH₂O)

Rated Speed: 2500/2900 RPM

Sound Pressure Level: 38/41 dB(A)

Frame Size: 120 x 120 mm

Frame Thickness: 25 mm

Frame Material: Aluminum

Impeller Material: Plastic (UL 94V-1)

Bearing Type: Dual Ball Bearing

Operating Temperature: -30 to +60 °C

Storage Temperature: -30 to +70 °C

Expected Life: 25,000 hours at 60 °C

Weight: 370 g

Termination: 2 Terminals

Safety Standards: UL, CSA, EN, PSE, CE, UKCA

RoHS Compliant: Yes

109S085 Applications

Primary applications include integration into Panasonic SMT placement machines, industrial control panels, and electrical enclosure cooling systems. Deployed within telecommunications base stations, CNC machine tool cabinets, and server rack thermal management units to ensure stable operating temperatures for sensitive electronic components.

Supplemental Images

