109S091 Sanyo Denki 100VAC 8W 92x92x25mm Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 850370239867

Category: Axial & Centrifugal Fans

Price: **$85.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/109s091-sanyo-denki-100vac-8w-92x92x25mm-axial-fan

Product Description

Sanyo Denki 109S091 92 x 92 x 25 mm 100 V AC 8 W 1.1 m3/min axial cooling fan is a high-performance unit featuring a robust die-cast aluminum frame and a UL 94V-1 rated plastic impeller. The assembly is driven by a shaded pole motor integrated with a dual ball bearing system to ensure rotational stability and extended operational life. It operates across dual frequencies of 50 Hz and 60 Hz, achieving a maximum static pressure of 54 Pa at a peak speed of 2900 RPM. The internal circuitry incorporates a current-blocking motor protection system and is engineered for a service life of 25,000 hours at 60 °C. Electrical interface is provided via lead wire conductors, and the unit is rated for a dielectric strength of 500 V AC for one minute.

109S091 Specifications
Model: 109S091
Brand: Sanyo Denki
Series: San Ace 92
Frame Size: 92 x 92 mm
Thickness: 25 mm
Rated Voltage: 100 V AC
Operating Voltage Range: 90 to 110 V AC
Frequency: 50/60 Hz
Rated Input: 8/7 W

Rated Current: 0.1/0.09 A
Locked Rotor Current: 0.13/0.12 A
Rated Speed: 2450/2900 RPM
Max Airflow: 0.95/1.1 m3/min
Max Airflow (CFM): 33.5/38.9 CFM
Max Static Pressure: 39.2/54.0 Pa
Max Static Pressure (inch H2O): 0.157/0.217 inch H2O
Sound Pressure Level: 34/38 dB(A)
Operating Temperature: -10 to +60 °C
Storage Temperature: -30 to +70 °C
Expected Life: 25,000 hours at 60 °C
Frame Material: Aluminum
Impeller Material: Plastic (UL 94V-1)
Bearing Type: Dual Ball Bearing
Mass: 270 g
Safety Standards: UL, CSA, EN, CE, UKCA, PSE, RoHS

109S091 Applications

Primary applications include integration into Panasonic SMT pick-and-place machines, specifically for thermal management of internal control circuitry and electronic component feeders. Deployed within industrial automation systems, CNC machine control cabinets, and high-density telecommunications equipment to maintain optimal operating temperatures for sensitive semiconductor modules.

Supplemental Images


IMPEDANCE PROTECTED
SANYO DENKI
San Ace 92
MODEL 109S091
100V 50/60Hz
8/7W 0.17/0.09A
MADE IN JAPAN