

109BD12HC2 Sanyo Denki 12VDC 0.37A Centrifugal Blower Datasheet



Brand: Sanyo Denki

SKU: [1048447522036](#)

Category: Axial & Centrifugal Fans

Price: **\$21.14**

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Product Page:

<https://www.equipspares.com/product/109bd12hc2-sanyo-denki-12vdc-0-37a-centrifugal-blower>

Product Description

Sanyo Denki 109BD12HC2 is a 76 mm x 30 mm centrifugal blower operating at a nominal 12 VDC and 4.44 W, delivering a maximum airflow of 12.7 CFM and 151.9 Pa of static pressure. The unit features a UL 94V-0 flammability-rated plastic frame and impeller, housing a dual ball bearing mechanism that ensures an expected operational life of 40,000 hours at 60 °C. It utilizes a 3-wire interface equipped with an integrated pulse sensor for precise tachometer feedback, running at a rated speed of 3000 RPM while generating 41.5 dB(A) of acoustic noise. The hardware supports an operating voltage range of 10.2 VDC to 13.8 VDC and is designed for direct integration into high-density thermal management architectures.

109BD12HC2 Specifications

Model Number: 109BD12HC2

Brand: Sanyo Denki

Series: San Ace B76 (9BD Type)

Product Category: Centrifugal Blower

Frame Dimensions: 76 mm x 75.5 mm x 30 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 10.2 VDC to 13.8 VDC

Rated Current: 0.37 A

Rated Input Power: 4.44 W

Rated Speed: 3000 RPM

Maximum Airflow: 0.36 m³/min (12.7 CFM)

Maximum Static Pressure: 151.9 Pa (0.61 inchH₂O)

Sound Pressure Level (SPL): 41.5 dB(A)

Operating Temperature Range: -20 °C to +60 °C

Storage Temperature Range: -30 °C to +70 °C

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

Mass: 100 g

Bearing System: Ball Bearing

Sensor Type: Pulse Sensor (Tachometer)

PWM Control Function: No

Frame Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Termination: 3-Wire Loose Leads

109BD12HC2 Applications

Primary applications include integration into 1U/2U rackmount servers, telecommunications base station enclosures, and industrial CNC control panels requiring directed 90-degree airflow. Deployed within high-density power supply units, medical diagnostic imaging equipment, and automated optical inspection (AOI) systems to provide localized forced-air thermal management against high system impedance.

Supplemental Images

