D06F-12B2S1 Nidec 12VDC 60x60x30mm Centrifugal Blower Datasheet

Brand: Nidec

SKU: 896240453351

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/d06f-12b2s1-nidec-12vdc-60x60x30mm-centrifugal-blower

Product Description

The Nidec D06F-12B2S1 is a specialized Centrifugal Blower engineered for high-static pressure applications requiring concentrated airflow in restricted enclosures. This unit features a robust DC motor integrated with Nidec's precision bearing architecture, ensuring reduced thermal impedance and exceptional structural rigidity during operation. The aerodynamic volute design optimizes air discharge, significantly improving cooling efficiency for heat-critical components. Designed for reliability, the blower incorporates advanced commutation circuitry to minimize electromagnetic interference and acoustic noise, making it a preferred choice for sensitive industrial and optical equipment.

Model Number: D06F-12B2S1
Brand: Nidec
Product Type: Centrifugal Blower
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.30 A
Input Power: 3.60 W
Rated Speed: 4200 RPM
Max. Air Flow: 10.5 CFM (17.8 m^3/h / 0.29 m^3/min)
Max. Static Pressure: 12.5 mmH_2O (122.5 Pa / 0.49 inH_2O)

Dimensions: 60 x 60 x 30 mm
Bearing Type: Dual Ball Bearing
Noise Level: 38.0 dB(A)
Termination: 3-Wire Lead
Speed Control: Tachometer Output
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Weight: 65 g

The D06F-12B2S1 is extensively deployed in optical projection systems, where it serves as a critical component for cooling high-intensity lamp housings and internal electronics. Its compact form factor and high pressure capabilities also make the D06F-12B2S1 ideal for use in 3D printer extruders, compact server chassis, and industrial automation control panels requiring directed thermal management.

Supplemental Images


Nidec
MODEL
D06F-12B2S1
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12 VDC
0.30 A
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MADE IN CHINA
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