G10D12BS8AZ-56Z99 Nidec 12VDC 97mm Turbo Centrifugal Blower Datasheet

Brand: Nidec

SKU: 834005155750

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/g10d12bs8az-56z99-nidec-12vdc-97mm-turbo-centrifugal-blower

Product Description

The Nidec G10D12BS8AZ-56Z99 is a Centrifugal Blower engineered for high-static pressure applications requiring efficient thermal management and directed airflow. Utilizing advanced DC motor technology and a robust Double Ball Bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load conditions. The aerodynamic turbo design optimizes airflow trajectory, significantly reducing thermal impedance within dense electronic enclosures and restricted ducting systems. Its structural rigidity and precision-balanced impeller deliver consistent performance, making it an ideal solution for critical cooling systems where reliability, air pressure stability, and component durability are paramount.

Model Number: G10D12BS8AZ-56Z99
Brand: Nidec
Product Type: Centrifugal Blower
Rated Voltage: 12V DC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.47 A
Power Consumption: 5.64 W
Rated Speed: 3800 RPM
Bearing Type: Double Ball Bearing
Max. Air Flow: 28.5 CFM (48.4 m^3/h / 0.81 m^3/min)

Max. Static Pressure: 25.4 mmH_2O (249 Pa / 1.0 inH_2O)
Dimensions: 97 x 95 x 33 mm
Weight: 180 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 51.0 dB(A)
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 4-Wire Lead
Speed Control: PWM / Tachometer Output
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP40
Insulation Class: Class A
Mounting Orientation: Any

The G10D12BS8AZ-56Z99 is specifically designed for integration into space-constrained hardware requiring directed airflow, such as high-lumen projectors, rack-mounted server power supplies, and industrial automation equipment. Its high static pressure capabilities allow the G10D12BS8AZ-56Z99 to effectively push air through dense heatsinks and restricted ducts found in medical instrumentation and telecommunications infrastructure, ensuring optimal component temperatures during peak operation.

Supplemental Images


Nidec
UltraFlo™
MODEL
G10D12BS8AZ-56Z99
12VDC
0.47A
5808F8G
MADE IN CHINA
JS