W40S12BHA5-07 Nidec 12VDC 0.17A 40x40x28mm Axial Fan Datasheet

Brand: Nidec

SKU: 866004288303

Category: Axial & Centrifugal Fans

Price: **$10.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/w40s12bha5-07-nidec-12vdc-0-17a-40x40x28mm-axial-fan

Product Description

The Nidec W40S12BHA5-07 is a high-performance DC brushless axial fan from the UltraFlo series, engineered for high-density thermal management. This 4028-size unit utilizes a dual ball bearing system to ensure a long service life of up to 70,000 hours at 40°C. Operating at a nominal 12VDC with a low current draw of 0.17A, it delivers a balanced 15.0 CFM airflow and 0.58 inH2O static pressure. The fan features a robust PBT plastic housing and impeller (UL94V-0 rated) designed to maintain structural integrity in demanding industrial environments while providing efficient cooling for space-constrained enclosures.

W40S12BHA5-07 Specifications
Model Number: W40S12BHA5-07
Brand: Nidec (Nidec America Corporation)
Series: UltraFlo W40S
Product Category: DC Axial Fan
Frame Size: 40 x 40 x 28 mm (1.57 x 1.57 x 1.10 inches)
Rated Voltage: 12VDC
Operating Voltage Range: 7.0VDC to 13.8VDC
Rated Current: 0.17A
Rated Input Power: 2.04W
Rated Speed: 10000 RPM

Maximum Air Flow: 15.0 CFM (0.42 m³/min)
Maximum Static Pressure: 0.58 inH2O (144 Pa)
Bearing Type: Dual Ball Bearing
Noise Level: 40.0 dBA
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Life Expectancy (L10): 70,000 Hours @ 40°C / 65% RH
Housing Material: Plastic PBT (UL94V-0)
Impeller Material: Plastic PBT (UL94V-0)
Mass: 50g
Termination: Lead Wires (UL1061 AWG 28)
Protection Features: Locked Rotor Protection, Reverse Polarity Protection
Certifications: UL, TUV, CE, RoHS Compliant

W40S12BHA5-07 Applications

Critical thermal regulation for 1U/2U rack-mount servers, network switches, and high-density telecommunications equipment. Integrated cooling for switch-mode power supplies (SMPS), industrial inverters, and compact electronic enclosures requiring high static pressure to overcome internal airflow resistance.

Supplemental Images


Nidec
UltraFlo
MODEL
W40S12BHA5-07
12 V DC
0.17 A
5X26G BA
E.P. C
MADE IN CHINA