H80E12BUA7-07T11 Nidec 12VDC 80x80x38mm UltraFlo Axial Fan Datasheet

Brand: Nidec

SKU: 762380972380

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/h80e12bua7-07t11-nidec-12vdc-80x80x38mm-ultraflo-axial-fan

Product Description

The Nidec H80E12BUA7-07T11 is a high-performance Axial Fan engineered for mission-critical thermal management within the renowned UltraFlo series. Utilizing advanced DC motor technology, this unit delivers exceptional airflow-to-noise ratios through optimized blade geometry and superior structural rigidity. The 12VDC motor is driven by a robust commutation circuit designed to minimize thermal impedance and maximize efficiency under high static pressure loads. Featuring a durable bearing architecture, typically dual ball bearing for extended MTBF, this 80mm cooling solution ensures reliable operation in dense electronic enclosures requiring sustained high-velocity air movement and rapid heat dissipation.

Model Number: H80E12BUA7-07T11
Brand: Nidec
Series: UltraFlo
Product Type: Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 1.60 A
Input Power: 19.2 W
Rated Speed: 6300 RPM
Max. Air Flow: 102.4 CFM (174 m^3/h / 2.9 m^3/min)

Max. Static Pressure: 26.5 mmH_2O (260 Pa / 1.04 inH_2O)
Bearing Type: Dual Ball Bearing
Dimensions: 80 x 80 x 38 mm
Weight: 170 g
Noise Level: 57.0 dBA
Frame Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: 4-Wire Leads with Connector
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (RPM Sensor)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Certifications: UL, cUL, TUV, CE

Designed specifically for high-density computing environments, the H80E12BUA7-07T11 excels in server rack cooling and telecommunications infrastructure where system backpressure is significant. The H80E12BUA7-07T11 is also frequently utilized in industrial automation equipment, precision medical devices, and power supply units requiring rapid heat dissipation. Its robust construction makes it suitable for continuous duty cycles in network switches, RAID storage arrays, and workstation cooling solutions.

Supplemental Images


Nidec
UltraFlo
H80E12BUA7-07T11
12 V dc
1.60 A
MADE IN CHINA