U92C12MS7BA3-52Z20 Nidec 12VDC 90x90x32mm 3-Pin Axial Fan Datasheet

Brand: Nidec

SKU: 963361524734

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/u92c12ms7ba3-52z20-nidec-12vdc-90x90x32mm-3-pin-axial-fan

Product Description

The Nidec U92C12MS7BA3-52Z20 is a precision-engineered Axial Fan designed for critical thermal management in refrigeration systems and electronic enclosures. Utilizing advanced DC brushless motor technology, this unit ensures consistent airflow delivery while maintaining optimal energy efficiency with a low power consumption profile. The aerodynamic impeller geometry is calibrated to minimize turbulence and acoustic resonance, resulting in a low-noise operation profile essential for consumer appliances and quiet industrial environments. Constructed with a robust thermoplastic frame, the U92C12MS7BA3-52Z20 offers superior structural rigidity and resistance to environmental stressors. Its thermal impedance characteristics make it an ideal solution for maintaining stable operating temperatures in confined spaces, ensuring the longevity of sensitive components.

Model Number: U92C12MS7BA3-52Z20
Brand: Nidec
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Rated Current: 0.10 A
Input Power: 1.20 W
Dimensions: 90 x 90 x 32 mm
Bearing Type: Maintenance-Free Sleeve Bearing
Termination: 3-Wire / 3-Pin Connector

Housing Material: PBT Thermoplastic (UL94V-0)
Blade Material: PBT Thermoplastic (UL94V-0)
Motor Type: Brushless DC
Speed Control: Tachometer Output (3-Wire)
Mounting Orientation: Vertical / Horizontal
Application: Refrigerator Cooling / Chassis Ventilation

The U92C12MS7BA3-52Z20 is specifically engineered for integration into domestic and commercial refrigeration units, providing critical air circulation to prevent frost buildup and maintain uniform cooling zones. Beyond appliances, the U92C12MS7BA3-52Z20 serves effectively in server chassis and electronic cabinet cooling, where reliable heat dissipation is required to protect hardware from thermal throttling. Its 3-pin interface allows for speed monitoring, making it suitable for smart cooling systems in telecommunications and industrial automation setups.

Supplemental Images