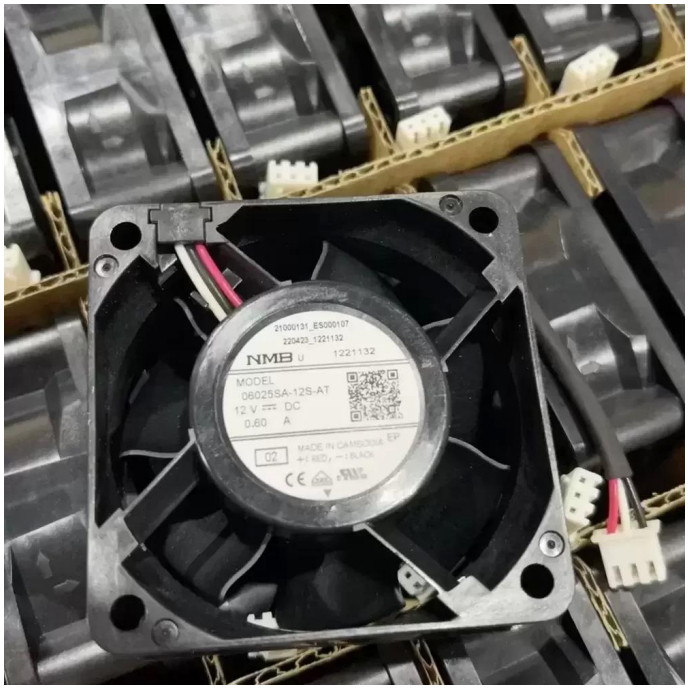
06025SA-12S-AT-02 NMB 12VDC 60x60x25mm 3-Wire Axial Fan Datasheet



Brand: NMB

SKU: 999238549161

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/06025sa-12s-at-02-nmb-12vdc-60x60x25mm-3-wire-axial-fan

Product Description

The NMB 06025SA-12S-AT-02 is a precision-engineered axial cooling fan designed for high-reliability industrial applications. Manufactured by MinebeaMitsumi (NMB-MAT), this unit features a robust 12VDC motor system optimized for consistent torque and reduced thermal impedance. The aerodynamic impeller is housed within a reinforced thermoplastic frame, ensuring structural rigidity under high-speed operation. With a current rating of 0.25A, it delivers a superior balance of static pressure and airflow, making it an ideal solution for thermal management in dense electronic enclosures, power supplies, and variable frequency drives.

Model Number: 06025SA-12S-AT-02
Brand: NMB-MAT (MinebeaMitsumi)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.25 A
Input Power: 3.00 W
Dimensions: 60 x 60 x 25 mm
Bearing Type: Precision Dual Ball Bearing
Rated Speed: 5200 RPM
Max. Air Flow: 24.5 CFM (41.6 m^3/h)

Max. Static Pressure: 6.8 mmH_2O (66.7 Pa / 0.27 inH_2O)
Noise Level: 36.0 dB(A)
Termination: 3-Wire with Connector
Signal Output: Tachometer (Speed Sensor)
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 60,000 Hours at 40°C
Weight: 65 g
Safety Approvals: UL, CSA, TUV, CE

The 06025SA-12S-AT-02 is engineered to meet the rigorous cooling demands of industrial automation and power conversion systems. Its high static pressure capabilities make it particularly effective for variable frequency drives (VFDs) and server rack enclosures where airflow must overcome significant resistance. Additionally, the 06025SA-12S-AT-02 is widely utilized in telecommunications equipment, CNC machinery control panels, and medical instrumentation, ensuring critical components remain within safe operating temperature ranges to prevent thermal throttling or failure.

Supplemental Images


NMB
MODEL
06025SA-12S-AT
12V DC
0.60 A