12038VA-24Q-FU-3 NMB 24VDC 1.40A 120x120x38mm Axial Fan Datasheet

Brand: NMB

SKU: 723283417681

Category: Axial & Centrifugal Fans

Price: **$38.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/12038va-24q-fu-3-nmb-24vdc-1-40a-120x120x38mm-axial-fan

Product Description

The NMB 12038VA-24Q-FU-3 is a high-performance Axial Fan designed to deliver exceptional thermal management in critical industrial environments. Engineered with a robust DC motor and a precision dual ball bearing architecture, this unit offers superior structural rigidity and operational stability, significantly reducing thermal impedance in high-load systems. The fan features an optimized aerodynamic impeller profile that maximizes airflow efficiency while minimizing turbulence-induced noise. Equipped with a 4-wire interface, it supports Pulse Width Modulation (PWM) for dynamic speed control, ensuring the system adapts to varying thermal loads with precision and reliability.

Model Number: 12038VA-24Q-FU-3
Brand: NMB Technologies (NMB-MAT)
Product Type: DC Axial Fan
Rated Voltage: 24V DC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 1.40 A
Power Consumption: 33.6 W
Dimensions: 120 x 120 x 38 mm
Bearing Type: Dual Ball Bearing
Rated Speed: 5300 RPM
Max. Air Flow: 190.0 CFM (322.8 m^3/h)

Max. Static Pressure: 22.5 mmH_2O (220 Pa / 0.88 inH_2O)
Noise Level: 62.0 dBA
Termination: 4-Wire (Red +, Black -, Yellow Sensor, Blue PWM)
Speed Control: PWM (Pulse Width Modulation)
Output Signal: Tachometer / Locked Rotor Sensor
Housing Material: Reinforced PBT Plastic (UL94V-0)
Impeller Material: Reinforced PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours @ 40°C
Ingress Protection: IP20
Weight: 370 g

The 12038VA-24Q-FU-3 is specifically engineered for applications requiring high static pressure and substantial airflow, such as enterprise-grade server racks, telecommunications infrastructure, and medical instrumentation. Its robust design ensures reliability in continuous-duty cycles found in CNC control cabinets and industrial power supplies. By utilizing the 12038VA-24Q-FU-3, engineers can ensure optimal thermal dissipation in densely packed electronic enclosures where airflow restriction is a critical factor.

Supplemental Images


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NMB 7
MODEL
12038VA-24Q-FUE
24V ⎓ DC 1.40A
EP
3
MADE IN CHINA
+:RED,-:BLACK