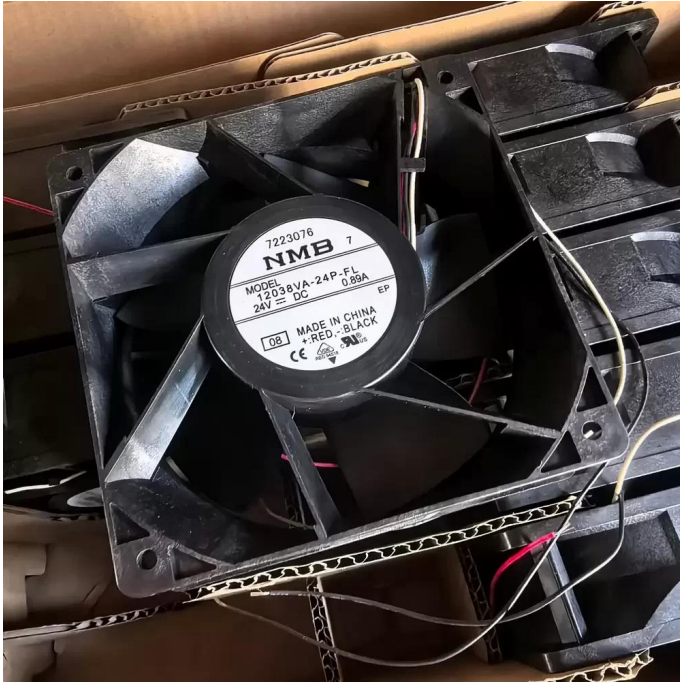


12038VA-24P-FL NMB 24VDC 120x120x38mm Alarm Axial Fan Datasheet



Brand: NMB

SKU: [877736407852](#)

Category: Axial & Centrifugal Fans

Price: **\$29.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/12038va-24p-fl-nmb-24vdc-120x120x38mm-alarm-axial-fan>

Product Description

The NMB 12038VA-24P-FL is a precision-engineered DC Axial Fan designed for critical thermal management in industrial environments. Utilizing NMB's proprietary Double Ball Bearing architecture, this unit ensures minimal friction coefficients and extended operational longevity under continuous load. The 120mm impeller features an advanced aerodynamic profile optimized to maximize static pressure while maintaining structural rigidity at high rotational velocities. Engineered with a robust PBT housing, the device offers superior resistance to thermal stress and vibration. Its integrated electronic commutation system provides efficient 24VDC operation, significantly reducing thermal impedance within high-density enclosures such as variable frequency drives and server racks.

Model Number: 12038VA-24P-FL

Brand: NMB-MAT (Minebea)

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.89 A

Power Input: 21.36 W

Rated Speed: 3600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 138.0 CFM (234.4 m³/h / 3.90 m³/min)

Max. Static Pressure: 11.2 mmH₂O (109.8 Pa / 0.44 inH₂O)

Dimensions: 120x120x38mm

Weight: 290 g

Life Expectancy: 70,000 Hours @ 40°C

Speed Control: Locked Rotor Alarm (Rotation Detect)

Ingress Protection: IP20

Insulation Class: Class E

Noise Level: 48.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 3-Wire Lead (Red +, Black -, White/Yellow Signal)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Certifications: UL, CSA, TUV, CE, RoHS

Protection: Reverse Polarity, Locked Rotor Protection

This high-performance cooling solution is specifically calibrated for demanding industrial applications, including variable frequency drive (VFD) cooling and automation control cabinets. The 12038VA-24P-FL excels in environments requiring sustained airflow to dissipate heat generated by power electronics and IGBT modules. Additionally, the 12038VA-24P-FL is frequently deployed in telecommunications infrastructure, server rack ventilation, and CNC machinery, where reliability and fault detection via the alarm signal are paramount for system integrity.

Supplemental Images

