

# 08056TA-12N-EKD NMB 12VDC 80x80x56mm Turbo Axial Fan Datasheet



**Brand:** NMB

**SKU:** [676523060139](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$16.99**

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Product Page:

<https://www.equipspares.com/product/08056ta-12n-ekd-nmb-12vdc-80x80x56mm-turbo-axial-fan>

## Product Description

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The NMB 08056TA-12N-EKD is a high-static pressure Axial Fan designed for environments requiring aggressive thermal dissipation and sustained airflow. Utilizing advanced DC motor technology and a precision-machined Dual Ball Bearing architecture, this unit ensures operational stability under high-load conditions and extended duty cycles. The aerodynamic impeller design minimizes turbulence while maximizing airflow throughput, effectively lowering thermal impedance in dense electronic enclosures. Built with a robust frame for structural rigidity, the 08056TA-12N-EKD delivers consistent performance, making it an ideal solution for mitigating heat accumulation in industrial systems where reliability and power density are paramount.

Model Number: 08056TA-12N-EKD

Brand: NMB (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 4.50 A

Power Consumption: 54.0 W

Rated Speed: 13500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 162.4 CFM (275.9 m<sup>3</sup>/h / 4.60 m<sup>3</sup>/min)

Max. Static Pressure: 68.5 mmH<sub>2</sub>O (671.7 Pa / 2.70 inH<sub>2</sub>O)

Dimensions: 80 x 80 x 56 mm

Weight: 230 g

Life Expectancy: 70000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Noise Level: 74.0 dB(A)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Ingress Protection: IP20

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 4-Wire Lead

Mounting Orientation: Any

Safety Certifications: UL, CSA, TUV, CE

Protection: Locked Rotor, Reverse Polarity

The 08056TA-12N-EKD is specifically engineered for high-density server racks and telecommunications equipment where back-pressure resistance is critical. Its compact yet powerful form factor allows it to be integrated into 2U chassis cooling solutions, precision medical instrumentation, and industrial automation control panels. By maintaining high airflow rates, the 08056TA-12N-EKD effectively prevents thermal throttling in sensitive components like CPUs and power supplies, ensuring continuous uptime in demanding operational environments.

## Supplemental Images

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