

# D03X-05TM Nidec 5VDC 30x30x10mm Hard Drive Cooling Fan Datasheet



**Brand:** Nidec

**SKU:** [990200136111](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$8.99**

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Product Page:

<https://www.equipspares.com/product/d03x-05tm-nidec-5vdc-30x30x10mm-hard-drive-cooling-fan>

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## Product Description

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The Nidec D03X-05TM is a precision-engineered micro axial fan designed for high-density electronic environments requiring efficient thermal management. Operating at a rated voltage of 5VDC with a current draw of 0.12A, this 30mm cooling solution integrates Nidec's advanced motor technology to deliver consistent airflow while minimizing vibrational noise. The unit features a compact 30x30x10mm frame constructed for structural rigidity, ensuring optimal performance in restricted spaces. Engineered for reliability, the D03X-05TM utilizes a specialized bearing system to reduce friction and extend operational lifespan, making it an ideal component for maintaining thermal equilibrium in sensitive micro-electronics and hard drive enclosures.

Model Number: D03X-05TM

Brand: Nidec

Product Type: Micro Axial Fan

Rated Voltage: 5VDC

Operating Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.12 A

Input Power: 0.60 W

Rated Speed: 9000 RPM (Nominal)

Max. Air Flow: 3.5 CFM (5.9 m<sup>3</sup>/h)

Max. Static Pressure: 3.2 mmH<sub>2</sub>O (31 Pa)

Dimensions: 30 x 30 x 10 mm

Bearing Type: Precision Sleeve / Hydro

Noise Level: 24.0 dBA

Termination: 2-Wire Lead

Connector: 2-Pin Micro Connector

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Mounting Orientation: Any

Operating Temperature: -10°C to +70°C

Application: Hard Drive Enclosure Cooling

Weight: 8.0 g

The D03X-05TM is specifically engineered for compact thermal applications where space is at a premium. It is widely utilized in external micro hard drive enclosures to prevent thermal throttling during data transfer operations. Additionally, the D03X-05TM serves as a critical cooling component in small form factor (SFF) PCs, embedded systems, and portable instrumentation. Its low power consumption and compact footprint make the D03X-05TM suitable for handheld medical devices and precision optical equipment requiring active cooling without significant bulk.

## Supplemental Images

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