D04X-12TH-09B(K) Nidec 12VDC 42x42x10mm 3-Wire Axial Fan Datasheet

Brand: Nidec

SKU: 727064939080

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/d04x-12th-09bk-nidec-12vdc-42x42x10mm-3-wire-axial-fan

Product Description

The Nidec D04X-12TH-09B(K) is a precision-engineered Axial Fan designed for specialized thermal management applications requiring a compact yet robust cooling solution. Utilizing advanced DC motor technology paired with a durable double ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity, effectively reducing thermal impedance in tightly integrated electronic assemblies. With a specific 42mm frame profile, the D04X-12TH-09B(K) offers a unique dimensional fit, providing reliable heat dissipation for sensitive components where standard 40mm units may not suffice or fit the specific mounting chassis.

Model Number: D04X-12TH-09B(K)
Brand: Nidec
Product Type: Axial Fan
Rated Voltage: 12VDC
Rated Current: 0.06 A
Power Consumption: 0.72 W
Rated Speed: 5800 RPM (+/- 5%)
Bearing Type: Double Ball Bearing
Dimensions: 42 x 42 x 10 mm
Mounting Hole Distance: 32 mm

Termination: 3-Wire (Lead Wire)
Speed Control: Tachometer Output
Airflow Direction: Exhaust over struts
Mounting Orientation: Any

Designed for high-reliability environments, the D04X-12TH-09B(K) is frequently integrated into compact server chassis, network switches, and industrial automation equipment where space is at a premium. Its specialized 42mm footprint makes it an ideal replacement component for legacy power supplies and proprietary cooling shrouds found in CNC machinery and medical instrumentation. By delivering consistent airflow, the D04X-12TH-09B(K) effectively mitigates hotspots in dense electronic enclosures, ensuring optimal performance for telecommunications hardware and embedded systems.