

D04XL-12T2GA Nidec 12VDC 0.29A 40x40x28mm Axial Fan Datasheet



Brand: Nidec

SKU: [818499840168](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/d04xl-12t2ga-nidec-12vdc-0-29a-40x40x28mm-axial-fan>

Product Description

The Nidec D04XL-12T2GA is a Axial Fan engineered for demanding thermal management in compact electronic enclosures. Utilizing advanced DC brushless motor technology, this unit provides exceptional structural rigidity through its reinforced PBT housing. The dual ball bearing architecture ensures long-term reliability and low thermal impedance under continuous operation. Its aerodynamic impeller design is optimized for high static pressure, making it ideal for overcoming the resistance of dense heat sinks. The D04XL-12T2GA incorporates a three-wire configuration for precise speed monitoring, ensuring system stability in mission-critical environments where airflow consistency is paramount for component longevity.

Model Number: D04XL-12T2GA

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.29A

Power: 3.48W

Rated Speed: 9500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 15.3 CFM (26.0 m³/h / 0.43 m³/min)

Max. Static Pressure: 14.5 mmH₂O (142.2 Pa / 0.57 inH₂O)

Dimensions: 40x40x28mm

Weight: 55g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: Tachometer (FG Signal)

Ingress Protection: IP54

Insulation Class: Class A

Noise Level: 42.5 dB(A)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 3-Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Mounting Orientation: Any

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, TUV, CE, RoHS

The D04XL-12T2GA is specifically designed for high-density networking equipment including enterprise-grade switches, firewalls, and soft routers. Its compact 4028 form factor allows the D04XL-12T2GA to be integrated into 1U server chassis and telecommunications modules where space is limited but heat dissipation requirements are high. This fan is also suitable for industrial power supplies and medical diagnostic equipment requiring consistent cooling performance.

Supplemental Images

