

D12T-12PH19 Nidec 12VDC 120x120x25mm Silent Axial Fan Datasheet



Brand: Nidec

SKU: 963015195209

Category: Axial & Centrifugal Fans

Price: \$15.99

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Product Page:

<https://www.equipspares.com/product/d12t-12ph19-nidec-12vdc-120x120x25mm-silent-axial-fan>

Product Description

The Nidec D12T-12PH19 is a precision-engineered Axial Fan designed for critical thermal management applications requiring sustained reliability and acoustic efficiency. Utilizing advanced DC motor technology paired with a robust double ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous loads. The aerodynamic impeller design optimizes airflow efficiency while maintaining low acoustic signatures, effectively reducing thermal impedance within high-density enclosures. Constructed with high-grade materials for structural rigidity, the D12T-12PH19 delivers consistent cooling performance, making it an ideal solution for industrial and electronic systems demanding stable air exchange and superior heat dissipation characteristics.

Model Number: D12T-12PH19

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.25 A

Power Consumption: 3.0 W

Rated Speed: 2200 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 74.0 CFM (125.7 m³/h)
Max. Static Pressure: 3.2 mmH₂O (31.4 Pa)
Dimensions: 120 x 120 x 25 mm
Weight: 150 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 34.0 dB(A)
Termination: 2-Wire Lead
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Mounting Orientation: Any

The D12T-12PH19 is engineered for integration into diverse industrial and commercial environments where reliable air circulation is paramount. Common deployment scenarios include server rack ventilation, power supply unit cooling, and telecommunications equipment cabinets. The D12T-12PH19 excels in maintaining optimal operating temperatures for sensitive electronic components, ensuring system stability in automation controllers and workstation enclosures. Its balanced profile allows for seamless installation in restricted spaces found in medical instrumentation and network storage devices.

Supplemental Images

