D90BH-12 Y.L.FAN 12VDC 90x90x25mm Ball Bearing Axial Fan Datasheet

Brand: Y.L.FAN

SKU: 792277178211

Category: Axial & Centrifugal Fans

Price: **$6.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/d90bh-12-y-l-fan-12vdc-90x90x25mm-ball-bearing-axial-fan

Product Description

The Y.L.FAN D90BH-12 is a DC Axial Fan engineered for critical thermal management in power supply units and workstation environments. Utilizing a robust Double Ball Bearing architecture, this 90mm cooling solution ensures extended operational longevity and a reduced frictional coefficient compared to standard sleeve bearing alternatives. The unit operates at a rotational speed of 3000 RPM, generating substantial static pressure required to overcome the high thermal impedance found in dense electronic enclosures. Constructed with a reinforced thermoplastic housing, the D90BH-12 maintains structural rigidity under continuous load, optimizing aerodynamic efficiency and airflow delivery for industrial-grade applications.

Model Number: D90BH-12
Brand: Y.L.FAN (Yate Loon)
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Operating Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.27 A
Input Power: 3.24 W
Rated Speed: 3000 RPM
Bearing Type: Double Ball Bearing
Max. Air Flow: 52.0 CFM (88.3 m^3/h)

Max. Static Pressure: 3.50 mmH2O (34.3 Pa / 0.14 inH2O)
Noise Level: 36.0 dBA
Dimensions: 90 x 90 x 25 mm
Weight: 88 g
Life Expectancy: 70,000 Hours at 40°C
Housing Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Termination: 2-Wire Leads
Mounting Orientation: Any
Operating Temperature: -10°C to +70°C

Designed for reliability, the D90BH-12 is frequently integrated into Uninterruptible Power Supplies (UPS) and all-in-one workstation power units where consistent thermal dissipation is mandatory. The compact 90mm profile allows the D90BH-12 to fit seamlessly into server chassis and industrial power banks, ensuring critical components remain within safe operating temperature ranges during continuous duty cycles.

Supplemental Images