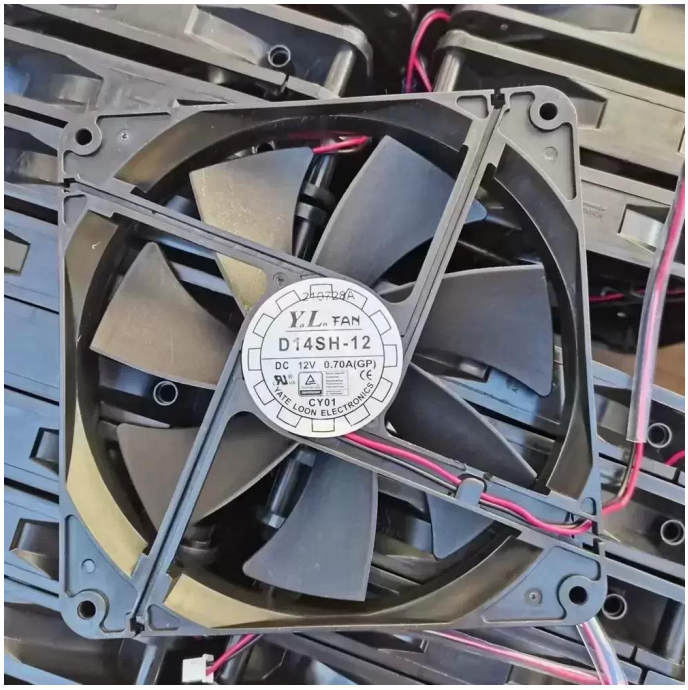
D14BH-12 Y.L.FAN 12VDC 140x140x25mm Axial Fan Datasheet



Brand: Y.L.FAN

SKU: 694977008620

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/d14bh-12-y-l-fan-12vdc-140x140x25mm-axial-fan

Product Description

The Y.L.FAN D14BH-12 is a high-capacity DC axial fan engineered for demanding thermal management applications requiring substantial airflow volume. Manufactured by Y.L.FAN Electronics, this unit integrates advanced motor technology with a precision-balanced impeller design to optimize aerodynamic efficiency while maintaining structural rigidity under load. The fan utilizes a hydraulic bearing system, which offers a superior balance between longevity and acoustic performance compared to standard sleeve bearings, significantly reducing friction and thermal impedance during operation. Designed for continuous duty cycles, the D14BH-12 delivers robust cooling performance within a standard 140mm frame, making it an ideal solution for systems where heat dissipation density is a critical factor.

Model Number: D14BH-12
Brand: Y.L.FAN
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 8.0 - 13.2 VDC
Rated Current: 0.70 A
Power: 8.4 W
Rated Speed: 2400 RPM ±5%
Bearing Type: Hydraulic Bearing
Max. Air Flow: 98 CFM (166.5 m^3/h / 2.77 m^3/min)

Max. Static Pressure: 4.69 mmH_2O (46 Pa / 0.18 inH_2O)
Dimensions: 140 x 140 x 25 mm
Mounting Hole Distance: 125 mm
Weight: 160 g
Life Expectancy: 50,000 Hours
Noise Level: 37 dB(A)
Termination: 2-Wire Lead with 2.5 Interface
Wire Length: 25 cm

The D14BH-12 is specifically calibrated for integration into high-wattage power supply units and computer chassis environments where internal component density restricts passive cooling. Its high airflow profile makes the D14BH-12 suitable for server rack ventilation, industrial automation control cabinets, and telecommunications equipment requiring reliable forced convection. Additionally, the D14BH-12 is frequently deployed in custom electronic enclosures and workstation builds to prevent thermal throttling of sensitive processors and power regulation modules.

Supplemental Images