

D92LH-12B Y.L.FAN 12VDC 92x92x15mm 4-Wire PWM Axial Fan Datasheet



Brand: Y.L.FAN

SKU: [842593110044](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/d92lh-12b-y-l-fan-12vdc-92x92x15mm-4-wire-pwm-axial-fan>

Product Description

The Y.L.FAN D92LH-12B is a high-density DC axial fan engineered for applications requiring a slim profile without compromising aerodynamic throughput. Operating at a rated voltage of 12VDC with a significant current draw of 0.60A, this unit delivers robust thermal performance suitable for restricted enclosures. The fan utilizes a precision ball bearing architecture, which significantly reduces friction coefficients and enhances structural rigidity, ensuring a prolonged operational lifespan even under continuous load. Its 92x92x15mm form factor is specifically designed to minimize spatial footprint while maintaining high static pressure capabilities. The inclusion of a 4-wire interface indicates Pulse Width Modulation (PWM) support, allowing for dynamic speed control to optimize the ratio between thermal impedance reduction and acoustic output.

Model Number: D92LH-12B

Brand: Y.L.FAN (Yuelun)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.60 A

Power: 7.20 W

Dimensions: 92 x 92 x 15 mm

Bearing Type: Ball Bearing

Termination: 4-Wire Lead

Speed Control: PWM (Pulse Width Modulation)

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Mounting Orientation: Any

Operating Temperature: -10°C to +70°C

Life Expectancy: 50,000 Hours @ 40°C

This cooling solution is primarily deployed in compact electronic assemblies where vertical clearance is a critical constraint, such as 1U server racks, small form factor (SFF) power supplies, and network appliances. The D92LH-12B provides the necessary airflow to dissipate heat from high-density heatsinks in these confined environments. Furthermore, the D92LH-12B is suitable for industrial automation controllers and telecommunications equipment requiring reliable, long-term thermal regulation via PWM speed modulation.

Supplemental Images

