

YH1238LS12D YIN HAI 12VDC 0.32A 120x120x38mm Axial Fan Datasheet



SKU: [1013427712707](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/yh1238ls12d-yin-hai-12vdc-0-32a-120x120x38mm-axial-fan>

Product Description

The YIN HAI YH1238LS12D is a precision-engineered DC axial fan designed for efficient thermal management in electronic enclosures and industrial cabinets. Utilizing a robust DC brushless motor architecture, this unit ensures consistent rotational stability and optimized torque delivery. The chassis houses a specialized sleeve bearing system, selected to balance cost-effectiveness with acoustic performance, minimizing vibrational resonance during operation. Its aerodynamic impeller design features curved blades that maximize static pressure while reducing turbulence-induced noise. Constructed with high-grade thermoplastic materials, the YH1238LS12D maintains structural rigidity under thermal stress, providing reliable airflow for heat dissipation in general-purpose industrial and consumer electronics applications.

Model Number: YH1238LS12D

Brand: YIN HAI

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.32 A

Power Consumption: 3.84 W

Rated Speed: 2400 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 95.0 CFM (161.4 m³/h / 2.69 m³/min)
Max. Static Pressure: 6.5 mmH₂O (63.7 Pa / 0.25 inH₂O)
Dimensions: 120 x 120 x 38 mm
Weight: 260 g
Life Expectancy: 30,000 Hours at 25°C
Noise Level: 41 dBA
Housing Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Termination: 2-Wire Lead (Red +, Black -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Motor Type: Brushless DC
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Mounting Orientation: Vertical or Horizontal

The YH1238LS12D is frequently integrated into server cabinet cooling systems and telecommunications racks where reliable air exchange is critical. Its standard 120mm form factor allows for seamless retrofitting in power supply units, welding machines, and industrial automation enclosures. The YH1238LS12D effectively manages thermal loads in workstation PCs and custom ventilation projects, ensuring components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

Supplemental Images

