

# HDB0812VA HXH 12VDC 80x80x25mm Waterproof Axial Fan Datasheet



**Brand:** HXH

**SKU:** [942890761332](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$3.99**

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Product Page:

<https://www.equipspares.com/product/hdb0812va-hXH-12vdc-80x80x25mm-waterproof-axial-fan>

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## Product Description

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The HXH HDB0812VA is a high-performance Axial Fan engineered for rigorous thermal management applications requiring durability and high static pressure. Operating at a rated voltage of 12VDC with a current draw of 0.75A, this unit features a robust Double Ball Bearing architecture designed to minimize frictional coefficients and extend operational lifespan under continuous load. The aerodynamic impeller is calibrated to deliver substantial airflow at a rotational speed of 6400 RPM, ensuring effective heat dissipation in high-density environments. A defining characteristic of this model is its specialized glue-filled waterproof design, which provides enhanced ingress protection against moisture and environmental contaminants, ensuring structural rigidity and consistent performance where standard cooling solutions might succumb to corrosion or short circuits.

Model Number: HDB0812VA

Brand: HXH

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.75 A

Power: 9.0 W

Rated Speed: 6400 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 68.5 CFM (116.3 m<sup>3</sup>/h / 1.94 m<sup>3</sup>/min)

Max. Static Pressure: 10.5 mmH<sub>2</sub>O (102.9 Pa / 0.41 inH<sub>2</sub>O)

Dimensions: 80 x 80 x 25 mm

Weight: 88 g

Life Expectancy: 50,000 Hours at 40°C

Ingress Protection: Waterproof (Glue Filled)

Noise Level: 46.5 dBA

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Termination: 2-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

The HDB0812VA is deployed extensively in industrial automation and outdoor electronics where reliability is paramount. Common integration points include ruggedized server racks, telecommunications cabinets, and CNC machinery control panels that require the HDB0812VA for its moisture-resistant properties. Furthermore, this model is frequently utilized in power supply units and chassis cooling for medical devices, providing critical airflow to maintain optimal thermal envelopes in challenging operating conditions.

## Supplemental Images

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