

BSB0712HD-R00 Delta 12VDC 75x75x30mm Centrifugal Blower Datasheet



Brand: Delta

SKU: [922036231941](#)

Category: Axial & Centrifugal Fans

Price: **\$22.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/bsb0712hd-r00-delta-12vdc-75x75x30mm-centrifugal-blower>

Product Description

Delta BSB0712HD-R00 is a 12VDC 75x75x30mm Centrifugal Blower optimized for high-impedance thermal management in space-constrained enclosures. This unit features a sophisticated dual ball bearing architecture designed to minimize mechanical friction and extend service life under continuous operation. The aerodynamic impeller design is engineered for maximum structural rigidity, ensuring stable airflow delivery even at a rated current of 0.33A. Utilizing advanced DC motor technology, the BSB0712HD-R00 effectively reduces thermal impedance in localized hotspots. With a power consumption of 3.96W and integrated 3-wire tachometer feedback, it provides precise monitoring for critical cooling applications in industrial and consumer electronics.

Model Number: BSB0712HD-R00

Brand: Delta Electronics

Product Type: Centrifugal Blower

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.33A

Power: 3.96W

Rated Speed: 3500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 12.5 CFM (21.2 m³/h / 0.35 m³/min)

Max. Static Pressure: 18.5 mmH₂O (181.4 Pa / 0.73 inH₂O)

Dimensions: 75 x 75 x 30 mm

Weight: 85g

Life Expectancy: 70,000 Hours

Speed Control: Tachometer / FG Signal

Housing Material: UL94V-0 Plastic

Blade Material: UL94V-0 Plastic

Termination: 3-Lead Wires

Operating Temperature: -10C to +70C

Protection: Locked Rotor Protection, Reverse Polarity Protection

BSB0712HD-R00 Applications & Industry Use Cases

1. DLP Projector Light Engines: High static pressure capability overcomes the dense internal resistance of optical paths to prevent thermal degradation of imaging components.
2. 1U/2U Server Node Cooling: The 7530 form factor provides targeted lateral airflow for localized VRM and chipset cooling where vertical clearance is restricted.
3. Compact Medical Diagnostic Equipment: Low-vibration dual ball bearings ensure long-term reliability in sensitive analytical devices requiring consistent thermal regulation.

Supplemental Images

