

KSB0712HB-DF70 Delta 12VDC 0.50A 70mm Centrifugal Blower Datasheet



Brand: Delta

SKU: 906249142414

Category: Axial & Centrifugal Fans

Price: \$16.99

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Product Page:

<https://www.equipspares.com/product/ksb0712hb-df70-delta-12vdc-0-50a-70mm-centrifugal-blower>

Product Description

The Delta KSB0712HB-DF70 is a Centrifugal Blower Fan engineered for precision thermal management in space-constrained environments. Utilizing a high-efficiency DC brushless motor, this unit minimizes thermal impedance while maintaining exceptional structural rigidity through its specialized thermoplastic housing. The centrifugal aerodynamic design is optimized for high static pressure, ensuring consistent airflow through dense heat sinks or narrow exhaust paths. Its 3-wire configuration provides integrated speed monitoring via a tachometer signal, allowing for real-time system feedback. Designed for longevity and continuous operation, the KSB0712HB-DF70 represents a robust solution for critical cooling requirements in industrial and consumer electronics.

Model Number: KSB0712HB-DF70

Brand: Delta

Product Type: Blower Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.50A

Power: 6.0W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 12.50 CFM (21.24 m³/h / 0.35 m³/min)

Max. Static Pressure: 18.50 mmH₂O (181.42 Pa / 0.73 inH₂O)

Dimensions: 70x70x15mm

Weight: 55g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: Tachometer (FG Signal)

Ingress Protection: IP51

Insulation Class: Class A

Noise Level: 42.5 dB(A)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 3-Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Mounting Orientation: Any

Certifications: CE, TUV, UL, RoHS

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

The KSB0712HB-DF70 is primarily deployed in high-density computing environments and compact industrial machinery where directional airflow is critical. Common applications for the KSB0712HB-DF70 include medical diagnostic equipment, telecommunications modules, and laptop cooling assemblies. Its ability to overcome high back-pressure makes it ideal for cooling internal components in CNC controllers and small form factor server chassis.

Supplemental Images

