

KFB1748VHT-CE1F Delta 48VDC Ø175mm Centrifugal Fan Datasheet



Brand: Delta

SKU: [891769431777](#)

Category: Axial & Centrifugal Fans

Price: **\$124.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/kfb1748vht-ce1f-delta-48vdc-o175mm-centrifugal-fan>

Product Description

The Delta KFB1748VHT-CE1F is a high-performance centrifugal fan designed to manage thermal loads in dense industrial electronic environments. Engineered with a robust DC motor and a backward-curved impeller, this unit optimizes aerodynamic efficiency to deliver high static pressure, essential for overcoming significant system impedance. The construction features a durable housing and impeller designed to maintain structural rigidity under high-speed operation. Utilizing a precision ball bearing system, the KFB1748VHT-CE1F ensures reduced friction and extended operational life, minimizing thermal impedance in critical applications. This motorized impeller is specifically calibrated for reliability in variable frequency drives and automation control systems.

Model Number: KFB1748VHT-CE1F

Brand: Delta Electronics

Product Type: DC Centrifugal Fan / Motorized Impeller

Rated Voltage: 48VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 1.36 A

Power Consumption: 65.28 W

Rated Speed: 4100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 355.0 CFM (603.1 m³/h)

Max. Static Pressure: 2.85 inH₂O (710 Pa)

Dimensions: Ø175mm x 69mm

Weight: 0.78 kg

Life Expectancy: 70,000 Hours at 40°C

Impeller Material: Plastic PA66 (UL94V-0)

Base Material: Aluminum Die-Cast

Noise Level: 68.5 dB(A)

Ingress Protection: IP54

Speed Control: PWM Signal Input

Signal Output: Tachometer (Frequency Generator)

Insulation Class: Class B

Operating Temperature: -20°C to +70°C

Storage Temperature: -40°C to +80°C

Termination: 4-Wire Lead

Safety Protection: Locked Rotor Protection, Polarity Protection

Certifications: UL, cUL, TUV, CE

The KFB1748VHT-CE1F is extensively utilized in industrial automation sectors, particularly for cooling variable frequency drives (VFDs) and high-power inverters where concentrated heat dissipation is required. Additionally, the KFB1748VHT-CE1F serves as a critical component in telecommunications base stations, server rack ventilation systems, and CNC control cabinets, ensuring stable operation of sensitive electronics by effectively forcing air through dense component arrays.

Supplemental Images

