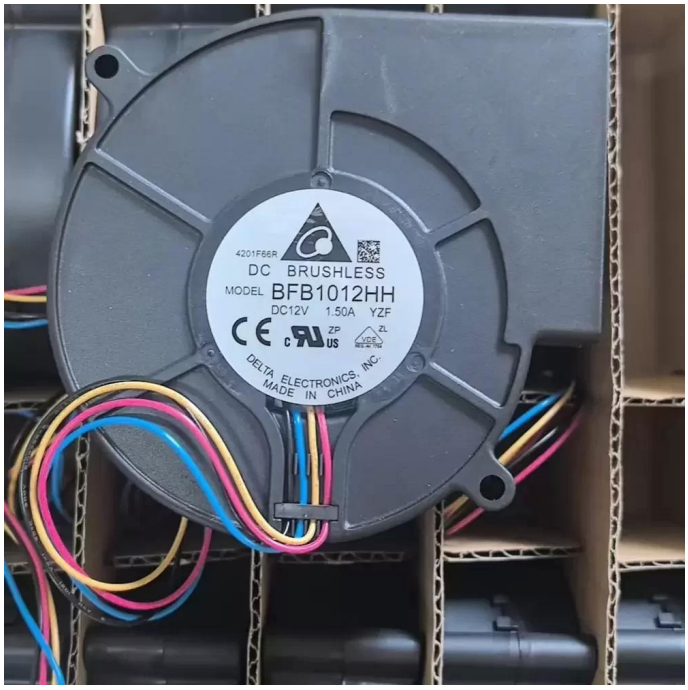
BFB1012HH-FZF Delta 12VDC 1.50A 97x94x33mm DC Blower Fan Datasheet



Brand: Delta

SKU: 1045627463002

Category: Axial & Centrifugal Fans

Price: **$21.00**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/bfb1012hh-fzf-delta-12vdc-1-50a-97x94x33mm-dc-blower-fan

Product Description

Delta BFB1012HH-FZF is a 97 x 94 x 33 mm centrifugal blower operating at a nominal 12 VDC with a 1.50 A rated safety current. The unit features a dual ball bearing system and a plastic PBT housing and impeller meeting UL 94V-0 flammability standards. It utilizes a 4-wire interface providing PWM speed control and a frequency generator output. The internal rotor is protected by an electronically commutated motor design with auto-restart and polarity protection, delivering 28.33 CFM airflow and 24.05 mm H2O static pressure.

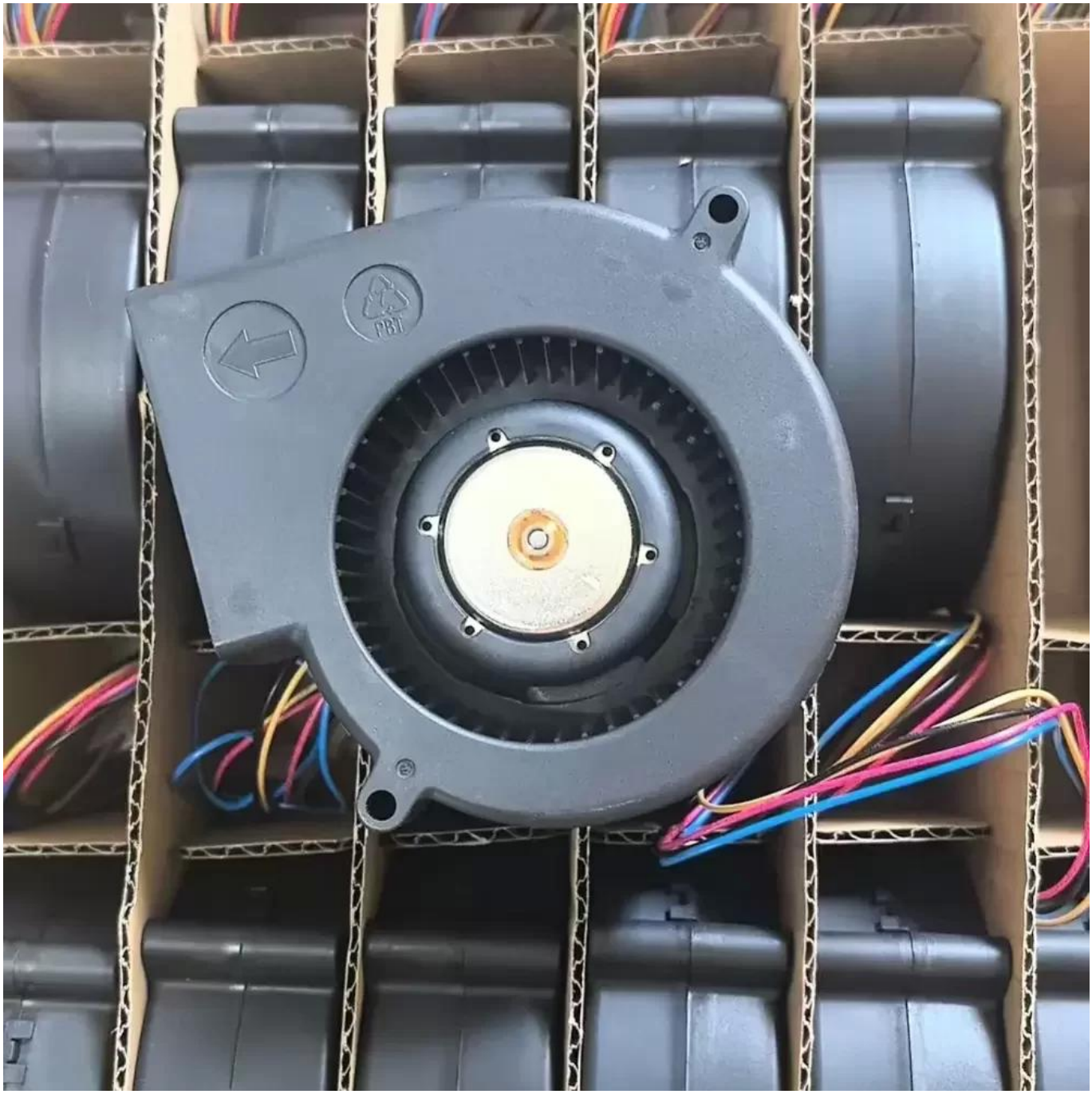
BFB1012HH-FZF Specifications
Model: BFB1012HH-FZF
Brand: Delta Electronics
Category: DC Centrifugal Blower
Frame Size: 97 x 94 x 33 mm
Rated Voltage: 12 VDC
Operating Voltage Range: 7.0 to 13.2 VDC
Rated Current: 1.50 A (Safety Rating)
Input Current (Average): 0.69 A
Input Power (Average): 8.28 W
Input Power (Maximum): 18.0 W
Rated Speed: 3200 RPM

Maximum Airflow: 0.802 m³/min (28.33 CFM)
Maximum Air Pressure: 24.05 mm H2O (0.947 in H2O)
Noise Level: 53.5 dB-A (Max 57.5 dB-A)
Bearing Type: Dual Ball Bearing
Interface: 4-wire (Red: +, Black: -, Blue: PWM, Yellow: FG)
Material Frame: Plastic (UL 94V-0)
Material Impeller: Plastic (UL 94V-0)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +75 °C
Weight: 160 g
Life Expectancy: 50,000 hours at 40 °C
Insulation Strength: 10 Meg Ohm Min at 500 VDC
Dielectric Strength: 5 mA Max at 500 VAC 50/60 Hz
Protection: Over-current, Polarity, Auto-restart
PWM Frequency: 30 Hz to 300 kHz (25 kHz preferred)

BFB1012HH-FZF Applications

Primary applications include integration into server rack cooling systems, telecommunications base station thermal management, and high-density power supply ventilation. Deployed within medical imaging equipment, industrial laser cooling units, and automated laboratory diagnostic machines requiring high static pressure.

Supplemental Images


PBT