FFB0812EH-BE1T Delta 12VDC 80x80x25mm Axial Fan Datasheet

Brand: Delta

SKU: 1016258489888

Category: Axial & Centrifugal Fans

Price: **$23.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page: https://www.equipspares.com/product/ffb0812eh-be1t-delta-12vdc-80x80x25mm-axial-fan

Product Description

Delta FFB0812EH-BE1T is a 12VDC 80x80x25mm Axial Fan optimized for high-density thermal management in environments with significant system impedance. This unit features a high-efficiency DC motor and a precision dual ball bearing architecture, ensuring exceptional structural rigidity and extended service life. The aerodynamic design incorporates 9 blades and 7 rear structural struts to minimize vibration while maximizing airflow. Operating at a rated current of 0.80A and reaching speeds up to 6000 RPM, it delivers superior static pressure to overcome thermal impedance in restricted enclosures. Integrated PWM control allows for dynamic speed adjustment, making it a versatile replacement fan for mission-critical industrial hardware.

Model Number: FFB0812EH-BE1T
Brand: Delta Electronics
Product Type: Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 0.80A
Power: 9.6W
Rated Speed: 6000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 80.43 CFM (2.277 m^3/min)
Max. Static Pressure: 14.50 mmH_2O (0.571 inH_2O)

Dimensions: 80 x 80 x 25 mm
Weight: 115g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead Wires
Blade Material: Plastic (UL94V-0)
Housing Material: Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Protection: Locked Rotor Protection, Reverse Polarity Protection

Applications & Industry Use Cases
1. 1U/2U Server Chassis: High static pressure and 6000 RPM capability allow this fan to overcome the high system impedance found in densely packed rackmount servers, serving as a critical replacement fan for maintaining CPU and VRM temperatures.
2. Industrial Power Supplies: The dual ball bearing architecture provides the necessary structural rigidity for continuous 24/7 operation in high-wattage PSU environments where low-vibration and long-term reliability are mandatory.

Supplemental Images