

EFB0812EH-R00 Delta 12V 0.42A 80x80x25mm DC Axial Fan

SKU: EFB0812EH-R00

Price: \$11.29

Categories: Fans

Tags: Delta

Product Link:

<https://www.electspares.com/product/efb0812eh-r00-delta-12v-0-42a-80x80x25mm-dc-axial-fan/>

Product Description

The Delta EFB0812EH-R00 is a high-performance 80 mm DC axial fan designed for intensive thermal management in server environments and industrial automation. Operating on a 12 VDC supply, this unit is characterized by a high-torque motor drawing 0.42 A, enabling it to maintain a stable speed of 5000 RPM under significant system backpressure. The -R00 specification features a dedicated three-wire configuration with an integrated Locked Rotor Sensor, providing a critical diagnostic signal for system safety monitoring. Built with a dual ball bearing system and UL 94V-0 flame-retardant materials, the EFB0812EH-R00 ensures long-term reliability and high airflow efficiency. Its robust construction and standardized 80 x 80 x 25.4 mm dimensions make it an ideal replacement and OEM component for mission-critical networking hardware and power supply cooling systems across an ambient temperature range of -10 °C to +70 °C.

EFB0812EH-R00 Fan Parameters

Model Number: EFB0812EH-R00

Manufacturer: Delta

Series: EFB Series

Type: DC Axial Fan

Size: 80 mm

Dimensions: 80 x 80 x 25 mm

Weight: 86 g

Bearing Type: Ball bearing

Nominal Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Power Consumption: 5.04 W

Nominal Current: 0.42 A

Speed: 5000 RPM

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Actual Air Flow: 52.02 CFM (88.4 m³/h)

Actual Static Pressure: 8.00 mmH₂O (78.4 Pa)

Sound Pressure Level: 46.5 dB(A)

Motor Design: Brushless DC motor

Motor Protection: Locked rotor sensor (R00); Polarity protection

Technical Features: R00 Locked Rotor Signal (3-wire); Soft start

Insulation Class: Class A

Electrical Hookup: 3-wire lead wires (Red: +, Black: -, Blue: R00)

Number of Blades: 7

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: Exhaust over struts

Impeller Material: Plastic (UL 94V-0)

Housing Material: Plastic (UL 94V-0)

Installation Position: Any

Degree of Protection: IP20

Operating Temperature: -10 - +70 °C

Service Life (L10 @ 40 °C): 70000 h

Standard Compliance: UL, TUV, CE

Approval Agency: UL, TUV, CSA

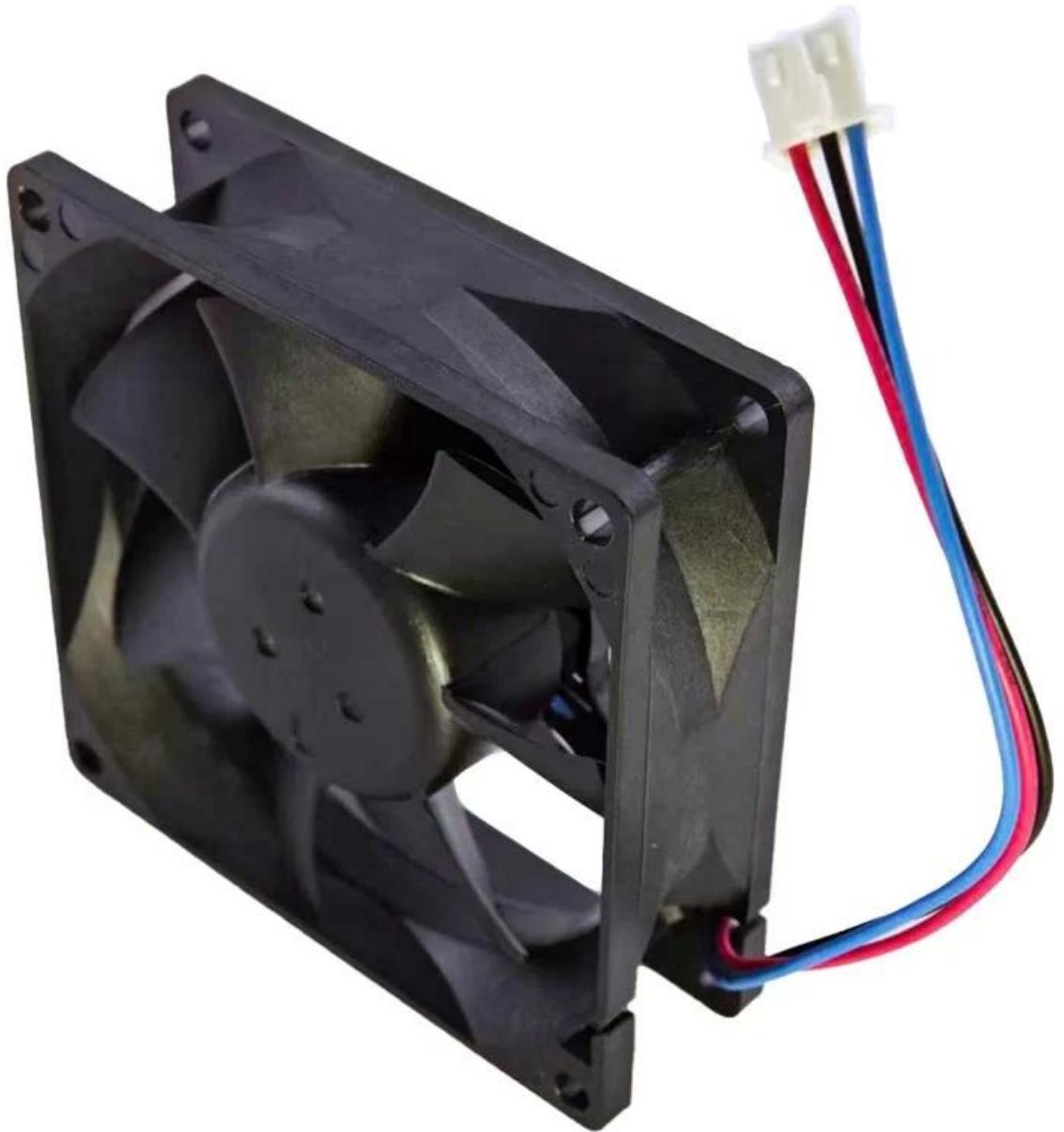
Application

The Delta EFB0812EH-R00 DC fan is primarily utilized in networking switches, telecommunications power rectifiers, high-density server chassis, and industrial workstation cooling systems.

Product Images









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