

R80W12BS3B9-07Z10 Nidec 12VDC 2.19A Dual Motor Axial Fan Datasheet



Brand: Nidec

SKU: 970813377324

Category: Axial & Centrifugal Fans

Price: \$24.99

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

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Product Description

The Nidec R80W12BS3B9-07Z10 is a Axial Fan engineered for high-density thermal management environments. Utilizing a sophisticated dual-motor counter-rotating architecture, this unit minimizes thermal impedance by generating extreme static pressure and concentrated airflow. The DC brushless motor technology is paired with a precision-engineered bearing architecture to ensure structural rigidity and long-term reliability under continuous operation. Its aerodynamic design is optimized to reduce turbulence at the blade tips, maximizing efficiency in restricted airflow paths common in enterprise-grade hardware. This UltraFlo series component represents the pinnacle of industrial cooling, balancing power consumption with superior heat dissipation capabilities.

Model Number: R80W12BS3B9-07Z10

Brand: Nidec

Product Type: Dual Motor Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 2.19A

Power: 26.28W

Rated Speed: 12500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 115.0 CFM (195.4 m³/h / 3.26 m³/min)

Max. Static Pressure: 48.5 mmH₂O (475.6 Pa / 1.91 inH₂O)

Dimensions: 80x80x56mm

Weight: 360g

Life Expectancy: 70,000 Hours

Speed Control: PWM, Tachometer

Termination: 8-Pin Connector

Housing Material: UL94V-0 Reinforced Plastic

Blade Material: UL94V-0 Reinforced Plastic

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +75 C

Protection: Locked Rotor Protection, Reverse Polarity Protection

This high-performance cooling solution is primarily deployed in enterprise server racks and high-density blade servers where vertical space is limited but heat loads are significant. The R80W12BS3B9-07Z10 is also ideal for telecommunications infrastructure and industrial CNC control cabinets that require consistent airflow through dense internal components. Due to its robust construction, the R80W12BS3B9-07Z10 ensures critical system stability in 24/7 data center environments and medical imaging equipment.

Supplemental Images

