

R40W12BGF9-07Z10 Nidec 12VDC 40x40x56mm Dual Motor Axial Fan Datasheet



Brand: Nidec

SKU: [673192840613](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/r40w12bgf9-07z10-nidec-12vdc-40x40x56mm-dual-motor-axial-fan>

Product Description

The Nidec R40W12BGF9-07Z10 is a high-performance dual-motor axial fan engineered for critical thermal management in dense computing environments. Belonging to the renowned UltraFlo series, this unit features a counter-rotating blade architecture designed to maximize static pressure and effectively overcome high thermal impedance within restricted server chassis. The motor assembly utilizes precision ball bearings to ensure structural rigidity and operational longevity under continuous high-speed rotation. Optimized for aerodynamic efficiency, the fan delivers concentrated airflow to dissipate heat from high-TDP processors. Its robust construction and advanced electromagnetic design make it a reliable solution for maintaining system stability in enterprise-grade hardware.

Model Number: R40W12BGF9-07Z10

Brand: Nidec

Series: UltraFlo

Product Type: Dual Axial Fan (Counter-Rotating)

Rated Voltage: 12VDC

Operating Voltage Range: 10.8 - 13.2 VDC

Rated Current: 2.16 A

Power Consumption: 25.92 W

Dimensions: 40 x 40 x 56 mm

Bearing Type: Dual Ball Bearing

Motor Type: Brushless DC

Airflow Direction: Intake over struts

Speed Control: PWM / Tachometer Output

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: Lead Wires with Server Connector

Operating Temperature: -10°C to +70°C

Application: Server CPU Cooling

Compatible Systems: Inspur SA5212H2, SA5212M4, NF5280M4, SA5112

Mounting: Flange Mount

The R40W12BGF9-07Z10 is primarily utilized in high-density server racks and enterprise computing systems, specifically compatible with Inspur models such as the SA5212H2 and NF5280M4. This cooling unit is essential for forcing air through dense CPU heatsinks in 1U and 2U form factors where static pressure requirements are elevated. Beyond server applications, the R40W12BGF9-07Z10 is also suitable for telecommunications equipment, network switches, and industrial automation hardware that demands a compact footprint with exceptional thermal dissipation capabilities.

Supplemental Images

