

# R80W12BS3M9 Nidec 12V 6.5A 8cm high power PWM server fan

**SKU:** 647602468807

**Price:** \$12.86

**Categories:** Fans

**Tags:** Nidec

**Product Link:**

<https://www.electspares.com/product/r80w12bs3m9-nidec-12v-6-5a-8cm-high-power-pwm-server-fan/>

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## Product Description

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R80W12BS3M9 8056 Nidec 12V 6.5A 8cm high power PWM server cooling fan

Manufacturer: Nidec Corporation

Product Model: R80W12BS3M9

Dimensions (L x W x H): 80 x 80 x 56 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 10.8 V to 13.2 VDC

Rated Current: 6.65 A (Note: This is a very high current for a 12V fan)

Rated Power: 79.8 W (Some sources indicate up to 88.8W or 97.7W nominal/max)

Rated Speed: 16,000 RPM (Some sources indicate 15500-16300 RPM)

Max Airflow: 137.5 CFM (3.89 m<sup>3</sup>/min)

Max Static Pressure: 7.09 In H<sub>2</sub>O (1766 Pa)

Noise Level: 82.5 dB(A) (Some sources indicate up to 86.5 dB(A))

Bearing Type: Ball Bearing

Life Expectancy (L10): 70,000 hours at 40°C

Weight: 395 g

Housing Material: Plastic (PBT, UL 94V-0)

Impeller Material: Plastic (PPS, UL 94V-0)

Termination Style: Wire Leads (typically 4 wires for PWM control and Tachometer output)

Motor Protection: Current Limit Protection, Reverse Polarity Protection

Control/Sensor: PWM control, Tachometer output

Operating Temperature Range: -10°C to +70°C

Storage Temperature Range: -40°C to +75°C

The Nidec R80W12BS3M9 is an exceptionally powerful 80x80x56mm, 12V DC axial fan designed

for extreme cooling demands. It features an incredibly high 16,000 RPM speed, delivering an outstanding 137.5 CFM of airflow and an impressive 7.09 In H<sub>2</sub>O of static pressure, making it highly effective for cooling components within highly restrictive or densely packed enclosures. Despite its high noise output (82.5 dB(A)) commensurate with its performance, it utilizes durable ball bearings for a 70,000-hour lifespan, includes PWM control and tachometer output for precise management, and is built with robust materials and protection features for reliable operation in demanding environments

## Product Images

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