

# YY20053H48B SNOWFAN 48VDC 200x200x53mm 6800RPM Axial Fan Datasheet



**Brand:** SNOWFAN

**SKU:** [894005475381](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$34.99**

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Product Page:

<https://www.equipspares.com/product/yy20053h48b-snowfan-48vdc-200x200x53mm-6800rpm-axial-fan>

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## Product Description

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The SNOWFAN YY20053H48B is a high-performance DC axial fan engineered for critical thermal management in industrial and server environments. Utilizing advanced brushless DC motor technology and a robust dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous high-speed loads. The aerodynamic impeller design is optimized to deliver substantial static pressure and airflow, effectively overcoming high thermal impedance in densely packed enclosures. Its structural rigidity reduces vibration-induced noise while maintaining precise alignment at a rated speed of 6800 RPM. This 48VDC cooling solution is specifically calibrated for high-capacity heat dissipation requirements in telecommunications and power systems.

Model Number: YY20053H48B

Brand: SNOWFAN (Yongyihao)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 3.00 A

Power Consumption: 144.0 W

Rated Speed: 6800 RPM

Bearing Type: Dual Ball Bearing  
Max. Air Flow: 550.0 CFM (934.5 m<sup>3</sup>/h)  
Max. Static Pressure: 45.0 mmH<sub>2</sub>O (441 Pa)  
Dimensions: 200 x 200 x 53 mm  
Termination: 4-Wire (Lead Wires)  
Speed Control: PWM / Tachometer Output  
Housing Material: Die-Cast Aluminum  
Impeller Material: Thermoplastic PBT (UL94V-0)  
Operating Temperature: -10 to +70 °C  
Storage Temperature: -40 to +80 °C  
Life Expectancy: 50,000 Hours at 40°C  
Ingress Protection: IP54 (Standard)

The YY20053H48B is primarily deployed in large-scale server rooms and telecommunication base stations where rapid heat evacuation is mandatory. Its high-static pressure profile makes it ideal for cooling high-density blade servers and rectifiers within telecom cabinets. Additionally, the YY20053H48B serves as a critical component in industrial automation setups and heavy-duty power supply units, ensuring component stability during continuous operation.

## Supplemental Images

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