

W1G200-HH77-52 EBM-PAPST 24VDC 200mm EC Axial Fan Datasheet



Brand: ebmpapst

SKU: [711084147409](#)

Category: Axial & Centrifugal Fans

Price: **\$857.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/w1g200-hh77-52-ebm-papst-24vdc-200mm-ec-axial-fan>

Product Description

The EBM-PAPST W1G200-HH77-52 is a precision-engineered EC axial fan designed for demanding industrial thermal management applications. Featuring advanced Electronically Commutated (EC) motor technology, this unit delivers superior energy efficiency compared to traditional AC counterparts while maintaining a compact footprint. The aerodynamic blade geometry is optimized to minimize noise generation and maximize airflow throughput, effectively reducing thermal impedance in high-density enclosures. Constructed with robust materials to ensure structural rigidity, the W1G200-HH77-52 offers reliable performance under continuous operation, making it an ideal solution for critical cooling systems requiring precise speed control and long service life.

Model Number: W1G200-HH77-52

Brand: EBM-PAPST

Product Type: EC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 16.0 - 28.0 VDC

Rated Power: 55 W

Rated Speed: 2950 RPM

Bearing Type: Ball Bearing

Motor Technology: Electronically Commutated (EC)

Blade Diameter: 200 mm

Max. Air Flow: 530 CFM (900 m³/h)

Max. Static Pressure: 0.88 inH₂O (220 Pa)

Termination: Lead Wires

Housing Material: Die-Cast Aluminum

Impeller Material: PA Plastic (UL 94 V-0)

Operating Temperature: -25°C to +60°C

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

Ingress Protection: IP54

Compliance: CE, UL, CSA

This high-efficiency cooling solution is widely utilized in critical industrial infrastructure, including variable frequency drive (VFD) cooling cabinets and renewable energy inverters. The W1G200-HH77-52 is frequently integrated into large-scale server rack assemblies and telecommunications base stations where consistent airflow is paramount for component longevity. Additionally, the W1G200-HH77-52 serves as a vital component in HVAC air handling units and precision medical instrumentation, ensuring thermal stability in sensitive electronic environments.

Supplemental Images

