

W3G300-BV25-23 ebm-papst 26VDC 300mm EC Axial Fan Datasheet



Brand: ebmpapst

SKU: [824403944733](#)

Category: Axial & Centrifugal Fans

Price: **\$308.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/w3g300-bv25-23-ebm-papst-26vdc-300mm-ec-axial-fan>

Product Description

The ebm-papst W3G300-BV25-23 is a high-efficiency EC axial fan engineered for demanding thermal management applications. Utilizing advanced GreenTech EC motor technology, this unit delivers exceptional aerodynamic performance with reduced power consumption compared to conventional DC counterparts. The rotor features a precision-balanced blade geometry designed to minimize turbulence and acoustic noise while maximizing static pressure capabilities. Constructed with robust materials to withstand harsh environments, the fan integrates maintenance-free ball bearings that ensure long-term operational stability and low thermal impedance. Its electronic commutation system provides precise speed control, optimizing the airflow-to-power ratio for critical cooling systems requiring structural rigidity and consistent output.

Model Number: W3G300-BV25-23

Brand: ebm-papst

Product Type: EC Axial Fan

Rated Voltage: 26 VDC

Voltage Range: 16.0 - 32.0 VDC

Power Input: 380 W

Rated Speed: 3940 RPM

Bearing Type: Ball Bearing

Motor Technology: EC (Electronically Commutated)

Blade Diameter: 300 mm

Airflow Direction: Blowing over struts

Number of Blades: 5

Ingress Protection: IP6K9K

Insulation Class: F

Operating Temperature: -40°C to +85°C

Speed Control: PWM / Analog 0-10V

Housing Material: Die-cast aluminum

Blade Material: PA plastic (glass-fiber reinforced)

Weight: 2.5 kg

Life Expectancy: > 40,000 hours @ 40°C

Protection: Reverse Polarity, Locked Rotor, Load Dump, Soft Start

Application: Radiator Cooling, Automotive Thermal Systems

The W3G300-BV25-23 is specifically designed for heavy-duty automotive and industrial cooling applications where reliability is paramount. Common deployments include water tank radiators in commercial vehicles, bus air conditioning systems, and auxiliary cooling for construction machinery. The W3G300-BV25-23 excels in environments requiring high ingress protection against dust and moisture, making it suitable for off-road equipment and agricultural machinery thermal regulation. Additionally, this model serves effectively in electronics cooling for mobile power stations and specialized ATS (Automotive Thermal Systems) setups.

Supplemental Images

