

K1G220-AB73-11 ebm-papst 48VDC 220mm EC Motor Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: [978828527196](#)

Category: Axial & Centrifugal Fans

Price: **\$594.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/k1g220-ab73-11-ebm-papst-48vdc-220mm-ec-motor-centrifugal-fan>

Product Description

The ebm-papst K1G220-AB73-11 is a high-efficiency EC centrifugal fan engineered for demanding thermal management applications requiring superior aerodynamic performance. Utilizing advanced GreenTech EC motor technology, this unit delivers optimized airflow with reduced power consumption compared to traditional AC counterparts. The backward-curved impeller design minimizes turbulence and noise generation while maintaining high static pressure capabilities. Constructed with robust glass-fiber reinforced plastic to ensure structural rigidity, the fan features integrated commutation electronics and thermal overload protection. Its precise balancing reduces vibration, thereby lowering thermal impedance in critical systems and extending the operational lifespan of the assembly.

Model Number: K1G220-AB73-11

Brand: ebm-papst

Product Type: EC Centrifugal Fan (Backward Curved)

Rated Voltage: 48 VDC

Voltage Range: 36 - 57 VDC

Rated Current: 1.0 A

Power Input: 41 W

Rated Speed: 2550 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 529.7 CFM (900 m³/h / 15 m³/min)

Max. Static Pressure: 46.9 mmH₂O (460 Pa / 1.85 inH₂O)

Impeller Diameter: 220 mm

Weight: 0.9 kg

Motor Type: M1G055-BD

Speed Control: 0-10 VDC / PWM Control

Output Signal: Tach Output

Direction of Rotation: Clockwise (viewed toward rotor)

Material (Impeller): PA Plastic (Glass-fiber reinforced)

Material (Housing): PA Plastic

Ingress Protection: IP20

Insulation Class: Class B

Operating Temperature: -25 to +60 °C

Storage Temperature: -40 to +80 °C

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

Cable Length: 450 mm

Number of Blades: 7

Protection Features: Reverse Polarity Protection, Locked Rotor Protection, Soft Start

Compliance: CE, CSA, UL, VDE

The K1G220-AB73-11 is specifically designed for integration into high-density electronic cooling systems where space and efficiency are paramount. Common deployment environments include telecommunications base stations, server rack cooling modules, and industrial control cabinet ventilation. The K1G220-AB73-11 excels in medical device cooling and compact air handling units, providing reliable thermal regulation in continuous operation settings. Its EC technology makes it ideal for variable speed applications requiring precise airflow modulation.

Supplemental Images

