

# K1G220-AB73-11 ebmpapst 48V EC Centrifugal Fan

**SKU:** K1G220-AB73-11

**Price:** \$646.81

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/k1g220-ab73-11-ebmpapst-48v-ec-centrifugal-fan/>

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## Product Description

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The ebmpapst K1G220-AB73-11 is a high-reliability 48 VDC EC Centrifugal Fan with dimensions corresponding to a 220 mm motor size, engineered for industrial and drive cooling applications. It features an M1G074-BF motor, operates across a voltage range of 36 VDC to 57 VDC, with a nominal power input of 110 W and a current draw of 2.7 A. The fan delivers air at a speed of 2880 RPM in S1 mode. Its robust construction includes an impeller made of PA plastic and a support plate of galvanized sheet steel. It features comprehensive motor protection including soft start and reverse polarity protection, and has an ingress protection rating of IP20 and an ambient temperature range of -25 °C to +60 °C. This model is ideally suited for cooling power electronics, converters, and specialized industrial control systems, such as Siemens drive units.

K1G220-AB73-11 Fan Parameters

Manufacturer: ebmpapst

Model: K1G220-AB73-11

Type: EC Centrifugal Fan

Dimensions: 220 mm

Motor: M1G074-BF

Motor Size: 74

Nominal Voltage: 48 VDC

Nominal Voltage Range: 36 VDC to 57 VDC

Current Draw: 2.7 A

Power Input: 110 W

Speed: 2880 RPM

Ambient Temperature: -25 °C to +60 °C

Mass: 3.1 kg

Impeller Material: PA plastic

Housing Material: PA plastic

Rotor Surface: Painted black

Support Plate Material: Sheet steel, galvanized

Guard Grille Material: Steel, coated with white-aluminum plastic (RAL 9006)

Number of Blades: 11

Direction of Rotation: Clockwise, viewed toward rotor

Degree of Protection: IP20

Insulation Class: "B"

Moisture/Environmental Protection Class: H1+

Installation Position: Any

Condensation Drainage Holes: None

Mode: S1

Motor Bearing: Ball bearing

Technical Features: Motor current limitation, Soft start, Reverse polarity protection

Electrical Hookup: Connector with cable

Protection Class Assignment: III; Requires supply with safety extra-low voltage SELV.

Conformity with Standards: EN 60335-1

Approval: CSA C22.2 No. 77, UL 1004-1

#### Application:

The K1G220-AB73-11 is a powerful and reliable fan commonly used in applications demanding high reliability and precise thermal control. Key uses include the internal cooling of high-power variable frequency drives (VFDs), rail technology equipment, inverter cabinets, and other industrial control systems.

## Product Images

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