

K3G500-PA23-71 ebmpapst 380-480V 500mm EC Centrifugal Fan

SKU: K3G500-PA23-71

Price: \$3,374.83

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k3g500-pa23-71-ebmpapst-380-480v-500mm-ec-centrifugal-fan/>

Product Description

The ebmpapst K3G500-PA23-71 is a heavy-duty, high-performance 3-phase EC Centrifugal Fan module featuring a 500 mm backward-curved aluminum impeller. Driven by the M3G150-FF (Size 150) GreenTech EC motor, this 38.7 kg unit is a central component for high-capacity air handling units (AHU) and large-scale industrial ventilation. Operating on a 380-480 VAC supply, it delivers exceptional performance with a power consumption of 3450 W at a rated speed of 1910 RPM. This RadiPac unit is built for maximum durability, utilizing sheet aluminum for the 7-blade impeller, galvanized sheet steel for the support plate and inlet nozzle, and a die-cast aluminum electronics housing supported by black-painted steel brackets. With integrated MODBUS-RTU control, a built-in PID controller, and IP55/H1 protection, the K3G500-PA23-71 provides a mission-critical, IE5-level efficiency cooling solution for global 400V infrastructures requiring high static pressure and 24/7 operational reliability.

K3G500-PA23-71 Fan Parameters

Manufacturer: ebmpapst

Model Number: K3G500-PA23-71

Motor Model: M3G150-FF (Size 150)

Phase: 3~

Type: EC Centrifugal Fan Unit (RadiPac Module)

Impeller Size: 500 mm

Dimensions: 500 mm (Impeller Size) - Overall dimensions as per support frame drawing

Nominal Voltage: 400 VAC

Nominal Voltage Range: 3~ 380 - 480 VAC

Frequency: 50 / 60 Hz

Speed: 1910 RPM

Power Consumption: 3450 W

Current Draw: 5.3 A

Touch Current (IEC 60990): ≤ 3.5 mA

Weight: 38.7 kg

Rotor Surface: Painted black

Electronics Housing Material: Die-cast aluminum

Impeller Material: Sheet aluminum

Support Plate Material: Sheet steel, galvanized

Support Bracket Material: Steel, painted black

Inlet Nozzle Material: Sheet steel, galvanized

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Degree of Protection: IP55

Insulation Class: F

Moisture/Environmental Protection: H1

Max. Permitted Ambient Temp: +40 °C (Transport/Storage up to +80 °C)

Min. Permitted Ambient Temp: -25 °C (Transport/Storage down to -40 °C)

Installation Position: See product drawing

Condensation Drainage: Rotor side holes included

Mode of Operation: S1 (Continuous duty)

Motor Bearing: Ball bearing

Technical Features:

- Output 10 VDC (max. 10 mA)
- Operation and alarm display
- External 24 V input (parameter setting)
- External release input
- Integrated PID controller
- Motor current limitation
- PFC, passive
- RS-485 MODBUS-RTU
- Soft start
- EEPROM write cycles: 100,000 maximum
- Control input 0-10 VDC / PWM
- Thermal overload protection for electronics/motor
- Line undervoltage / phase failure detection

Electrical Hookup: Terminal box

Motor Protection: Reverse polarity and locked-rotor protection

Protection Class: I (with customer connection of protective earth)

Conformity & Approvals: EN 61800-5-1; CE; EAC

Product Images









Scan for product details:

