

K3G500-PC16-N1 ebmpapst 400V EC Centrifugal Fan 500mm

SKU: K3G500-PC16-N1

Price: \$1,375.65

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k3g500-pc16-n1-ebmpapst-400v-ec-centrifugal-fan-500mm/>

Product Description

The ebmpapst K3G500-PC16-N1 is an EC Centrifugal Fan with measuring 500 mm in diameter, which utilizes GreenTech EC technology. It is powered by the M3G150-NA motor and operates on a nominal voltage of 400 VAC at 50 Hz/60 Hz frequencies. The fan has a 7000 W power consumption, 10.7 A current draw, and a 2400 RPM speed. With a typical maximum airflow of 11660 m³/h and a high degree of protection (IP55 with H1 protection class), this unit is a robust solution for large-scale air handling and industrial ventilation systems.

K3G500-PC16-N1 Fan Parameters

Model: K3G500-PC16-N1

Manufacturer: ebmpapst

Fan Type: EC Centrifugal Fan (Radial, Backward-Curved Motorized Impeller)

Dimensions: 500 mm

Motor: M3G150-NA

Nominal Voltage: 400 VAC

Nominal Voltage Range: 380 VAC..480 VAC

Frequency: 50 Hz/60 Hz

Maximum Airflow: 11660 m³/h

Rated Speed: 2400 RPM

Power Consumption: 7000 W

Current Draw: 10.7 A

Min. Ambient Temperature: -40 °C

Max. Ambient Temperature: 40 °C

Weight: 54 kg

Motor Size: 150

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: 5

Direction of Rotation: Clockwise, viewed toward rotor

Degree of Protection: IP55

Insulation Class: "F"

Moisture / Environmental Protection Class: H1

Max. Permitted Ambient Temp. for motor (transport/storage): +80 °C

Min. Permitted Ambient Temp. for motor (transport/storage): -40 °C

Installation Position: See legend on product drawing

Condensation Drainage Holes: On rotor side

Mode: S1

Motor Bearing: Ball bearing

Power Factor Correction (PFC): Passive (through low-capacitance DC link)

EMC Immunity to Interference: According to EN 61000-6-2 (industrial environment)

EMC Interference Emission: According to EN 61000-6-3 (household environment), except EN 61000-3-2 for professionally used equipment with a total rated power greater than 1 kW

Touch Current according to IEC 60990 (measuring circuit Fig. 4, TN system): ≤3.5 mA

Electrical Hookup: Terminal box

Motor Protection: Electronic motor protection

Protection Class Assignment: I; If a protective earth is connected.

Conformity with Standards: EN 61800-5-1; CE

Approval: EAC; UL 1004-7+60730-1; CSA C22.2 No. 77+CAN/CSA-E60730-1

Application

The K3G500-PC16-N1 EC Centrifugal Fan is a high-power, high-efficiency fan from the RadiPac series, designed for continuous (S1) and high-volume air movement in large-scale HVAC and industrial ventilation systems. It is ideally suited for applications such as Air Handling Units (AHU), central air conditioning systems, and industrial enclosures where its robust construction, IP55 rating, and integrated electronic features provide reliable and energy-efficient performance.

Product Images





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