

K3G560-8317081580 ebmpapst 400VAC EC Centrifugal Fan

SKU: K3G560-8317081580

Price: \$4,999.75

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k3g560-8317081580-ebmpapst-400vac-ec-centrifugal-fan/>

Product Description

The ebmpapst K3G560-8317081580 is a high-efficiency 400 VAC industrial EC centrifugal fan with dimensions of 800 x 800 x 420 mm, engineered for continuous thermal regulation in demanding environments. This unit utilizes a precision-engineered 6-blade PP plastic impeller driven by a high-torque M3G150-FF brushless EC motor, which maintains a powerful 3950 W power profile for efficient air displacement. Its structural integrity is anchored by a galvanized sheet steel support plate and a die-cast aluminum electronics housing with an IP55 protection rating, ensuring exceptional mechanical longevity. The intelligent control interface supports RS-485 MODBUS-RTU and features an integrated PI controller, offering a robust and modular electrical connection ideal for high-reliability systems such as data center air handling units, industrial ventilation, and large-scale HVAC infrastructure.

K3G560-8317081580 Fan Parameters

Manufacturer: ebmpapst

Model Number: K3G560-8317081580

Motor Model: M3G150-FF

Impeller Size: 560 mm

Type: EC Centrifugal Fan

Bearing Type: Ball Bearing

Nominal Voltage: 400 VAC

Phase: 3~

Nominal Voltage Range: 380 - 480 VAC

Frequency: 50/60 Hz

Dimensions: 800 x 800 x 420 mm

Weight: 45.0 kg

[Electrical Data]

Input Power: 3950 W

Nominal Current: 6.0 A

Nominal Speed: 1900 RPM

Motor Design: EC Motor (Electronically Commutated)

Status: Prelim. / Method: ml

Control Interface: RS-485 MODBUS-RTU, 0-10V/PWM, RFID (ISO 15693)

Voltage Output: 3.3 - 24 VDC (Pmax = 800 mW)

Motor Protection: Thermal Overload, Locked Rotor, Phase Failure Detection, Undervoltage

Insulation Class: "F"

Moisture/Env. Class: H1

Degree of Protection: IP55

Touch Current: ≤ 3.5 mA

Termination: Terminal Box

[Performance & Acoustics]

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Number of Blades: 6

Direction of Rotation: Clockwise, viewed toward rotor

Rotor Surface: Painted black

Electronics Housing: Die-cast aluminum

Impeller Material: PP plastic

Support Plate: Sheet steel, galvanized

Inlet Nozzle: Sheet steel, galvanized

[Materials & Construction]

Frame Material: Steel, painted black (Support bracket)

Installation Position: See legend on product drawing

Condensation Drainage: On rotor side

Mode: S1 (Continuous operation)

[Reliability & Safety Standards]

Min. Ambient Temperature: -40 °C

Max. Ambient Temperature: 40 °C

Storage Temperature: -40 °C to +80 °C

Standard Compliance: EN 61800-5-1, CE, EN 61000-6-2/3

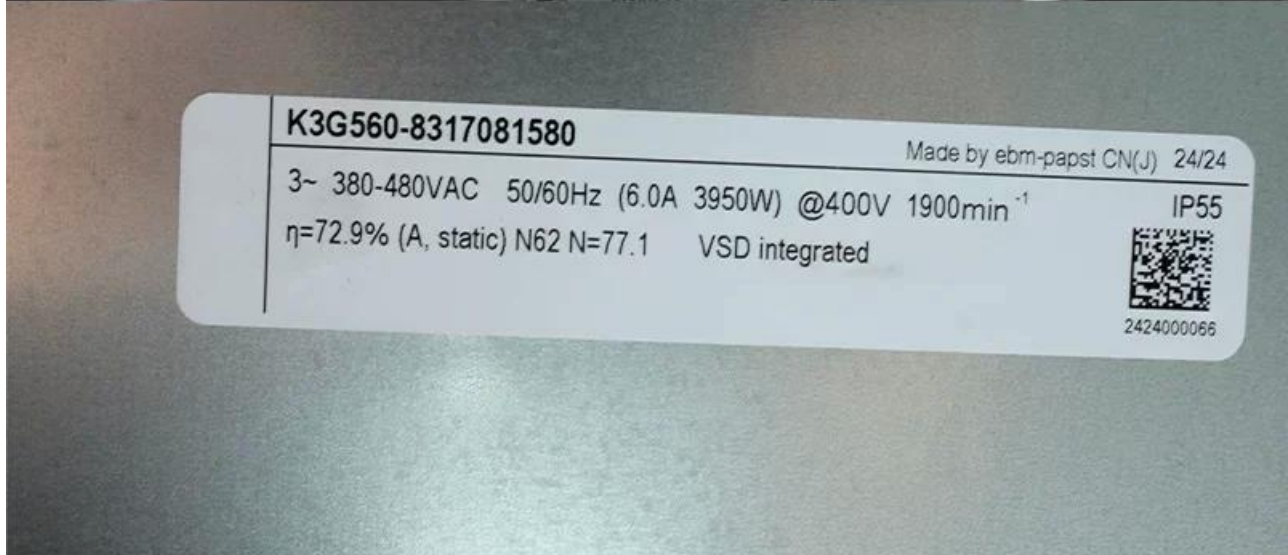
Approval Agency: EAC, CSA C22.2, UL 1004-7

Application

The ebmpapst K3G560-8317081580 centrifugal fan is used in large-scale data center air handling units, industrial cleanroom ventilation systems, hospital HVAC modules, and commercial rooftop climate control systems.

Product Images









Scan for product details:

