

K3G310-AV69-05 ebmpapst 400VAC 310mm EC Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: 1048398388222

Category: Axial & Centrifugal Fans

Price: **\$2,771.43**

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Product Page:

<https://www.equipspares.com/product/k3g310-av69-05-ebmpapst-400vac-310mm-ec-centrifugal-fan>

Product Description

ebmpapst K3G310-AV69-05 is a 310 mm diameter EC centrifugal fan featuring a 400 VAC three-phase input and a 1420 W power rating. The unit is powered by a high-performance M3G112-EA motor with integrated electronics for precise speed control via 0-10 V or PWM signals. Its structural design includes a backward-curved impeller and a die-cast aluminum electronics housing. The assembly utilizes maintenance-free ball bearings and achieves a maximum air flow of 3330 m³ / h at a nominal speed of 3040 RPM. Protection is rated at IP 54 with an insulation class B rating and integrated thermal overload protection.

K3G310-AV69-05 Specifications

Model: K3G310-AV69-05

Brand: ebm-papst

Motor: M3G112-EA

Phase: 3 ~

Nominal Voltage: 400 VAC

Voltage Range: 380 to 480 VAC

Frequency: 50 / 60 Hz

Power Input: 1420 W

Current Draw: 2.2 A

Speed: 3040 RPM

Max. Air Flow: 3330 m³ / h

Max. Static Pressure: 800 Pa

Sound Pressure Level: 76 dB (A)

Fan Size: 310 mm

Degree of Protection: IP 54

Insulation Class: B

Operating Temperature: -40 to +60 °C

Storage Temperature: -40 to +80 °C

Weight: 17.1 kg

Control Input: 0-10 VDC / PWM

Output: 10 VDC (max. 10 mA), 20 VDC (max. 50 mA)

Bearing Type: Ball bearing

Impeller Material: Aluminum sheet

Housing Material: Die-cast aluminum

Approvals: CE, UKCA, EN 60335-1

K3G310-AV69-05 Applications

Primary applications include integration into rail transit cabin air conditioning systems, door and window control modules, and signaling equipment cooling. Deployed within industrial frequency inverters, server rack thermal management units, and high-pressure cleanroom ventilation systems.

Supplemental Images

