

K3G250-AV29-B4 ebmpapst 230VAC 250mm EC Centrifugal Fan

SKU: K3G250-AV29-B4

Price: \$1,568.46

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k3g250-av29-b4-ebmpapst-230vac-250mm-ec-centrifugal-fan/>

Product Description

The ebmpapst K3G250-AV29-B4 is a high-performance 230VAC single-phase EC Centrifugal Fan from the RadiPac series, featuring backward-curved impellers with a support bracket. Driven by the M3G084-FA (Size 84) GreenTech EC motor with integrated control electronics and active PFC, this 250 mm impeller size module is specifically engineered for mission-critical HVAC systems, data center cooling, and industrial ventilation. Operating on a wide nominal voltage range of 200 to 277 VAC, it delivers a Power Consumption of 750 W and a Current Draw of 3.3 A at a rated speed of 3450 RPM. Featuring a sheet aluminum impeller, a die-cast aluminum electronics housing, and integrated RS-485 MODBUS-RTU communication, it ensures an impressive overall efficiency of 62.5% and reliable continuous S1 operation in demanding environments at the end.

K3G250-AV29-B4 Fan Parameters

Model Number: K3G250-AV29-B4

Motor Model: M3G084-FA (Size 84)

Manufacturer: ebmpapst

Type: EC Centrifugal Fan Module - Backward-curved, single-intake with support bracket

Impeller Size: 250 mm

Dimensions: 400 x 400 x 260 mm

Weight: 10.1 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Nominal Voltage Range: 200 - 277 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: ml (Max. load)

Current Draw: 3.3 A

Power Consumption: 750 W (0.75 kW)

Rated Speed: 3450 RPM (3490 RPM at optimum efficiency)

Max. Air Flow: 1032.9 CFM (1755.0 m³/h / 29.25 m³/min)

Static Pressure Increase: 90.65 mmH₂O (889.0 Pa / 3.57 inAq)

Overall Efficiency: 62.5% (Efficiency grade N: 74.3)

Impeller Material: Sheet aluminum, painted black

Housing Material: Die-cast aluminum, painted black (Electronics housing)

Support Bracket Material: Steel, painted black

Inlet Nozzle Material: Sheet steel, galvanized and painted black

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: "B"

Degree of Protection: IP54

Moisture (F) / Environmental (H) Protection Class: H2+S

Touch Current: <= 3.5 mA (acc. IEC 60990, Fig. 4, TN system)

Motor Protection: Thermal overload protector (TOP) internally connected

Technical Features: Control input 0-10 VDC / PWM; RS-485 MODBUS-RTU; Soft start; Active PFC; Alarm relay

Electrical Hookup: Terminal box

Installation Position: Any (Shaft horizontal or rotor on bottom/top)

Mode: S1 (Continuous operation)

Protection Class: I (if protective earth is connected)

Max. Ambient Temperature: 40 °C

Min. Ambient Temperature: -25 °C

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

Approval: EAC; CCC

Application

The ebmpapst K3G250-AV29-B4 RadiPac module is the primary air-moving solution for high-efficiency Air Handling Units (AHUs), precision air conditioning, and industrial cooling systems requiring variable-speed 230V single-phase EC centrifugal airflow in a bracket-mounted 250mm configuration.

Product Images







K3G250-AV29-B4

Made in Germany

1~ 200-277VAC 50/60Hz (3.3A 750W) @230V 3450min⁻¹
7) =62.5% (A, static) N62 N=74.3 VSD integrated

CE EAC



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