

R3G595-AB23-08 ebmpapst 380-480VAC 595mm Centrifugal Fan Datasheet



Brand: ebmpapst

SKU: 902193169907

Category: Axial & Centrifugal Fans

Price: **\$1,771.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/r3g595-ab23-08-ebmpapst-380-480vac-595mm-centrifugal-fan>

Product Description

The ebmpapst R3G595-AB23-08 is a precision-engineered EC Centrifugal Fan designed for high-demand industrial HVAC and cooling applications. Featuring advanced GreenTech EC motor technology, this unit offers superior energy efficiency and precise speed control compared to traditional AC equivalents. The backward-curved impeller is aerodynamically optimized to minimize turbulence and acoustic noise while maximizing static pressure capabilities. Constructed with high-grade materials to ensure structural rigidity and thermal stability, the fan operates reliably under continuous load conditions. Its integrated electronics facilitate seamless communication and regulation, reducing thermal impedance and enhancing the overall system performance in critical climate control environments.

Model Number: R3G595-AB23-08

Brand: ebmpapst

Product Type: EC Centrifugal Fan

Rated Voltage: 400 V

Voltage Range: 380 - 480 VAC (3-Phase)

Frequency: 50/60 Hz

Rated Current: 4.5 A

Power Consumption: 2930 W

Rated Speed: 1400 RPM

Impeller Diameter: 595 mm
Motor Type: M3G150-FF
Motor Technology: EC (Electronically Commutated)
Bearing Type: Ball Bearing
Ingress Protection: IP54
Insulation Class: F
Min. Ambient Temperature: -25 °C
Max. Ambient Temperature: +60 °C
Number of Blades: 5
Impeller Material: Sheet Aluminum
Housing Material: Galvanized Steel
Direction of Rotation: Clockwise (viewed toward rotor)
Mounting Position: Shaft Horizontal or Rotor on Bottom
Speed Control: 0-10 VDC / PWM
Certifications: CE, UL, CSA
Application: Stulz HVAC Replacement

The R3G595-AB23-08 is widely utilized in precision air conditioning systems, particularly within data center infrastructure and server room cooling units manufactured by Stulz. Its high-efficiency profile makes it an ideal choice for retrofitting existing air handling units or integrating into new industrial ventilation projects requiring exact airflow management. Maintenance teams frequently deploy the R3G595-AB23-08 to restore optimal thermal conditions in telecommunications shelters and medical imaging facilities, ensuring that sensitive electronic equipment remains within safe operating temperature ranges.

Supplemental Images

