

# R3G560-8317080795 ebm-papst 380-480VAC 560mm Centrifugal Fan Datasheet



**Brand:** ebmpapst

**SKU:** [993304593561](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$2,100.99**

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Product Page:

<https://www.equipspares.com/product/r3g560-8317080795-ebm-papst-380-480vac-560mm-centrifugal-fan>

## Product Description

The ebm-papst R3G560-8317080795 is a high-efficiency EC Centrifugal Fan engineered for demanding industrial thermal management and ventilation systems. Utilizing advanced GreenTech EC motor technology, this unit integrates a variable speed drive (VSD) directly into the hub, optimizing aerodynamic performance while minimizing power consumption. The backward-curved impeller design ensures superior static pressure capabilities and reduced noise emissions, maintaining structural rigidity under high-load operations. Designed with robust thermal impedance characteristics, the fan operates efficiently within a 380-480VAC range, delivering 3350W of cooling power. Its integrated electronics provide precise control via MODBUS or analog signals, making it a critical component for systems requiring reliable air movement, low vibration, and long-term durability in harsh environments.

Model Number: R3G560-8317080795

Brand: ebm-papst

Product Type: EC Centrifugal Fan (Backward Curved)

Rated Voltage: 400 VAC

Voltage Range: 380 - 480 VAC

Phase: 3-Phase

Frequency: 50 / 60 Hz

Rated Power: 3350 W

Rated Current: 5.1 A

Rated Speed: 1230 RPM

Impeller Diameter: 560 mm

Motor Technology: GreenTech EC Motor

Bearing Type: Maintenance-free Ball Bearing

Max. Air Flow: 8240 CFM (14000 m<sup>3</sup>/h)

Max. Static Pressure: 4.01 inH<sub>2</sub>O (1000 Pa)

Motor Size: M3G150

Control Interface: 0-10V / PWM / MODBUS-RTU

Ingress Protection: IP54

Insulation Class: F

Impeller Material: Aluminum Sheet (Welded)

Housing Material: Galvanized Steel

Operating Temperature: -25°C to +60°C

Protection Features: Locked-rotor protection, Phase failure detection, Soft start

Weight: 28.5 kg

Life Expectancy: > 40,000 Hours (L10 at 40°C)

Compliance: CE, UL, CSA, CCC

The R3G560-8317080795 is widely utilized in precision cooling applications such as data center cooling units, large-scale HVAC systems, and industrial ventilation arrays. The R3G560-8317080795 excels in variable air volume (VAV) systems where energy efficiency is paramount, specifically in air handling units (AHUs) and rooftop units. Additionally, this model is frequently integrated into cleanroom technology, transformer cooling, and complex electronic cabinet cooling solutions requiring consistent high-pressure airflow and integrated speed control.

## Supplemental Images

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