

# R3G560-8317080795 ebmpapst 400V 560mm EC Centrifugal Fan

**SKU:** R3G560-8317080795

**Price:** \$1,495.21

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r3g560-8317080795-ebmpapst-400v-560mm-ec-centrifugal-fan/>

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## Product Description

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The ebmpapst R3G560-8317080795 is a high-performance 400 VAC EC Centrifugal Fan with an impeller size of 560 mm, specifically engineered for demanding thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust three-phase brushless EC motor (Motor size 150) with an integrated electronic control unit and a high power consumption of 3350 W at 400 VAC, this precision unit operates at a rated speed of 1780 RPM, delivering a massive airflow for efficient heat extraction. Constructed with a 6-blade PP plastic impeller system featuring backward-curved blades, high-precision ball bearings, and a terminal box electrical interface supporting RS-485 MODBUS-RTU and RFID technology, this 22.5 kg unit provides a dependable and energy-efficient air-moving solution with IP55 protection and Class F insulation, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

R3G560-8317080795 Fan Parameters

Model Number: R3G560-8317080795

Manufacturer: ebmpapst

Motor Model: M3G150-FF (E15031-55)

Series: RadiPac EC Series

Type: EC Centrifugal Fan

Impeller Size: 560 mm

Weight: 22.5 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC (3-phase)

Voltage Range: 380 - 480 VAC

Frequency: 50 / 60 Hz

Power Consumption: 3350 W

Nominal Current: 5.1 A

Speed: 1780 RPM

Max. Air Flow: 62.23 CFM (105.7 m<sup>3</sup>/h / 1.76 m<sup>3</sup>/min)

Max. Static Pressure: 9.81 mmH<sub>2</sub>O (96.24 Pa / 0.39 inH<sub>2</sub>O)

Actual Air Flow: 15800.0 m<sup>3</sup>/h

Actual Static Pressure: 950.0 Pa

Technical Features: MODBUS V6.0, RS-485 MODBUS-RTU, RFID (ISO 15693), Integrated PI controller, Soft start, Motor current limitation, Line undervoltage/phase failure detection.

Motor Protection: Thermal overload protection for electronics/motor

Insulation Class: Class F

Electrical Hookup: Terminal box

Number of Blades: 6

Direction of Rotation: Clockwise, viewed toward rotor

Impeller Material: PP plastic

Electronics Housing: Die-cast aluminum

Rotor Surface: Painted black

Installation Position: Shaft horizontal or rotor on bottom

Operating Temperature: -40 - +50 °C (Occasional start-up -40°C to -25°C permitted)

Storage Temperature: -40 - +80 °C

Degree of Protection: IP55

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

Approval Agency: EAC; UL 1004-7 + 60730-1; CSA C22.2 No. 77 + CAN/CSA-E60730-1

#### Application

The ebmpapst R3G560-8317080795 EC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

## Product Images

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