

# W3G630-NR63-01 ebmpapst 400VAC 630mm EC Axial Fan

**SKU:** W3G630-NR63-01

**Price:** \$1,562.77

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/w3g630-nr63-01-ebmpapst-400vac-630mm-ec-axial-fan/>

---

## Product Description

---

The ebmpapst W3G630-NR63-01 is a high-performance 400 VAC EC Axial Fan with Impeller Size of 630 mm, specifically engineered for demanding thermal management in large-scale condensers and industrial ventilation systems. Driven by a highly efficient three-phase M3G112-GA EC external rotor motor with integrated control electronics and a power consumption of 1150 W, this unit operates at a rated speed of 1260 RPM, delivering a massive airflow of 9990 m<sup>3</sup>/h while maintaining superior energy efficiency with an overall efficiency of 53.4%.

Constructed with a galvanized sheet steel fan housing coated in black plastic, 5-blade PP plastic impellers, and a die-cast aluminum electronics housing, this 24.3 kg unit provides a dependable and intelligent cooling solution with IP55 protection and Class F insulation for cooling towers, dry coolers, and industrial AHU infrastructure at the end.

W3G630-NR63-01 Fan Parameters

Model Number: W3G630-NR63-01

Manufacturer: ebmpapst

Motor Model: M3G112-GA

Series: HyBlade Series

Type: EC Axial Fan

Impeller Size: 630 mm

Dimensions: 805 x 805 x 272 mm

Weight: 24.3 kg

Bearing Type: Ball bearing

Nominal Voltage: 400 VAC (3-phase)

Voltage Range: 380 - 480 VAC

Frequency: 50 / 60 Hz

Power Consumption: 1150 W

Nominal Current: 1.8 A

Speed: 1260 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: 9990 m<sup>3</sup>/h

Actual Static Pressure: 181 Pa (Max. back pressure 240 Pa)

Overall Efficiency: 53.4%

Noise Level: 74 dB(A)

Control Interface: 0-10 VDC / PWM / RS-485 MODBUS-RTU

Technical Features: Integrated PID controller, PFC (passive), Soft start, Alarm relay

Motor Protection: Thermal overload protection for electronics/motor

Insulation Class: Class F

Electrical Hookup: Terminal box (PP plastic material)

Number of Blades: 5

Blade Pitch: 0°

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: "V" (Exhaust over struts)

Impeller Material: PP plastic

Rotor Surface: Painted black

Fan Housing Material: Sheet steel, galvanized and coated with black plastic (RAL 9005)

Guard Grille Material: Steel, coated with black plastic (RAL 9005)

Electronics Housing Material: Die-cast aluminum, painted black

Degree of Protection: IP55

Max. Operating Temp: +60 °C

Min. Operating Temp: -40 °C

Standard Compliance: EN 61800-5-1; CE; UKCA

Approval Agency: CSA; EAC; UL 1004-7 + 60730-1

#### Application

The ebmpapst W3G630-NR63-01 EC fan is primarily utilized in large industrial condensers, dry coolers, heavy-duty ventilation units, and heat exchangers requiring high-performance power supply.

## Product Images

---









Scan for product details:

