

# K3G355-RT01-I3 ebmpapst 230VAC 355mm EC Centrifugal Fan

**SKU:** K3G355-RT01-I3

**Price:** \$1,957.03

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/k3g355-rt01-i3-ebmpapst-230vac-355mm-ec-centrifugal-fan/>

---

## Product Description

---

The ebmpapst K3G355-RT01-I3 is a high-efficiency RadiPac EC centrifugal fan designed for precision airflow control in single-phase power environments. Driven by the M3G084-GF external rotor motor, this 355 mm unit is optimized for a 200-277 VAC input, consuming 750 W at a nominal speed of 2100 RPM with a current draw of 3.3 A. The fan features a 6-blade backward-curved impeller made of glass-fiber reinforced PA plastic and a robust mounting structure comprising a galvanized sheet steel support plate and black-painted steel brackets. With a remarkable overall static efficiency of 66% (Efficiency Grade N77.8), it far exceeds ErP 2015 requirements. The integrated electronics provide a professional suite of features, including RS-485 MODBUS-RTU, an integrated PID controller, active PFC, and comprehensive motor protection with SELV potential isolation. Designed for S1 continuous operation with an IP55 rating, the K3G355-RT01-I3 is an ideal plug-and-play solution for air handling units, ventilation systems, and specialized cooling applications requiring intelligent, energy-saving performance.

K3G355-RT01-I3 Fan Parameters

Model Number: K3G355-RT01-I3

Motor Number: M3G084-GF

Manufacturer: ebmpapst

Series: RadiPac Series

Type: EC Centrifugal Fan (Backward-curved)

Size: 355 mm

Motor Size: 84

Weight: 15.4 Kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Voltage Range: 200 - 277 VDC

Phase: 1~

Frequency: 50 / 60 Hz

Power Consumption: 750 W

Nominal Current: 3.3 A

Speed: 2100 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: 3205 m<sup>3</sup>/h (At optimum point)

Actual Static Pressure: 511 Pa (At optimum point)

Overall Efficiency: ηes 66% / Efficiency Grade N77.8

Motor Design: EC external rotor motor, painted black

Motor Protection: Thermal overload protector (TOP) internally connected

Technical Features: RS-485 MODBUS-RTU; Integrated PID controller; 0-10 VDC / PWM control input; Active PFC; Soft start; Power limiter; Motor current limitation; Line undervoltage / phase failure detection; Alarm relay; Operation and alarm display; Output 10 VDC (max. 10 mA)

Safety Features: Control interface with SELV potential safely disconnected from the mains;

Touch current ≤ 3.5 mA

Insulation Class: Class F

Moisture/Env. Protection: H1

Electrical Hookup: Variable cable

Number of Blades: 6

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: Radial

Impeller Material: PA plastic

Electronics Housing: Die-cast aluminum

Support Plate Material: Sheet steel, galvanized

Support Bracket Material: Steel, painted black

Installation Position: Shaft horizontal or rotor on bottom; rotor on top on request

Condensation Drainage: On rotor side

Mode: S1

Degree of Protection: IP55

Protection Class: I

Operating Temperature: -40 - +55 °C

Standard Compliance: EN 61800-5-1, EN 60335-1, CE

Approval Agency: Listed under conformity standards

#### Application

The ebmpapst K3G355-RT01-I3 EC fan is primarily utilized in air handling units (AHU), precision data center cooling, cleanroom ventilation systems, and high-efficiency heat recovery units.

## **Product Images**

---







---

Scan for product details:

