

K3G630-PC04-L1 ebmpapst 400V EC Centrifugal Fan

SKU: K3G630-PC04-L1

Price: \$1,547.49

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/k3g630-pc04-l1-ebmpapst-400v-ec-centrifugal-fan/>

Product Description

The K3G630-PC04-L1 is a powerful, three-phase EC Centrifugal Fan module from ebmpapst's RadiPac series, featuring the M3G150-NA external rotor motor and a 630 mm aluminum impeller with 5 blades. It operates on a 400 VAC nominal voltage with a wide range of 380 to 480 VAC (50/60 Hz). The fan delivers an impressive airflow of 14,085 m³/h and a high static pressure of 868 Pa at 1,610 RPM, consuming 5,250 W. The unit is highly robust with IP55 protection and H1 environmental rating, and features advanced EC technology including a MODBUS RTU interface, an integrated PI controller, and comprehensive electronic motor protection, making it ideal for large, complex HVAC systems.

K3G630-PC04-L1 Fan Parameters

Model: K3G630-PC04-L1

Manufacturer: ebmpapst

Fan Type: EC Centrifugal Fan

Dimensions (Impeller Diameter): 630 mm

Motor Size: 150 mm

Nominal Voltage: 400 VAC

Operating Voltage Range: 380 to 480 VAC

Phase: 3~

Frequency: 50/60 Hz

Rated Current: 8.1 A

Rated Power: 5,250 W

Rated Speed: 1,610 RPM

Airflow: 14,085 m³/h

Static Pressure: 868 Pa

Bearing System: Ball Bearing

Motor: M3G150-NA External Rotor Motor

Ingress Protection: IP55

Weight: 60.5 Kg

Ambient Temperature: -40°C to +40°C

Number of blades: 5

Direction of rotation: Clockwise, viewed toward rotor

Insulation Class: "F"

Moisture/Environmental Protection Class: H1

Electrical Hookup: Terminal box

Touch Current: ≤3.5 mA

Materials

Rotor Surface: Painted black

Electronics Housing Material: Die-cast aluminum

Impeller Material: Sheet aluminum

Support Plate Material: Sheet steel, galvanized

Support Bracket Material: Steel, painted black

Inlet Nozzle Material: Sheet steel, galvanized

Technical Features

Motor Protection: Electronic motor protection

Control/Monitoring: RS-485 MODBUS-RTU, Integrated PI controller, Configurable I/O, Alarm relay, Vibration sensor, Soft start, Thermal overload protection, Line undervoltage/phase failure detection, Operation/alarm LED display.

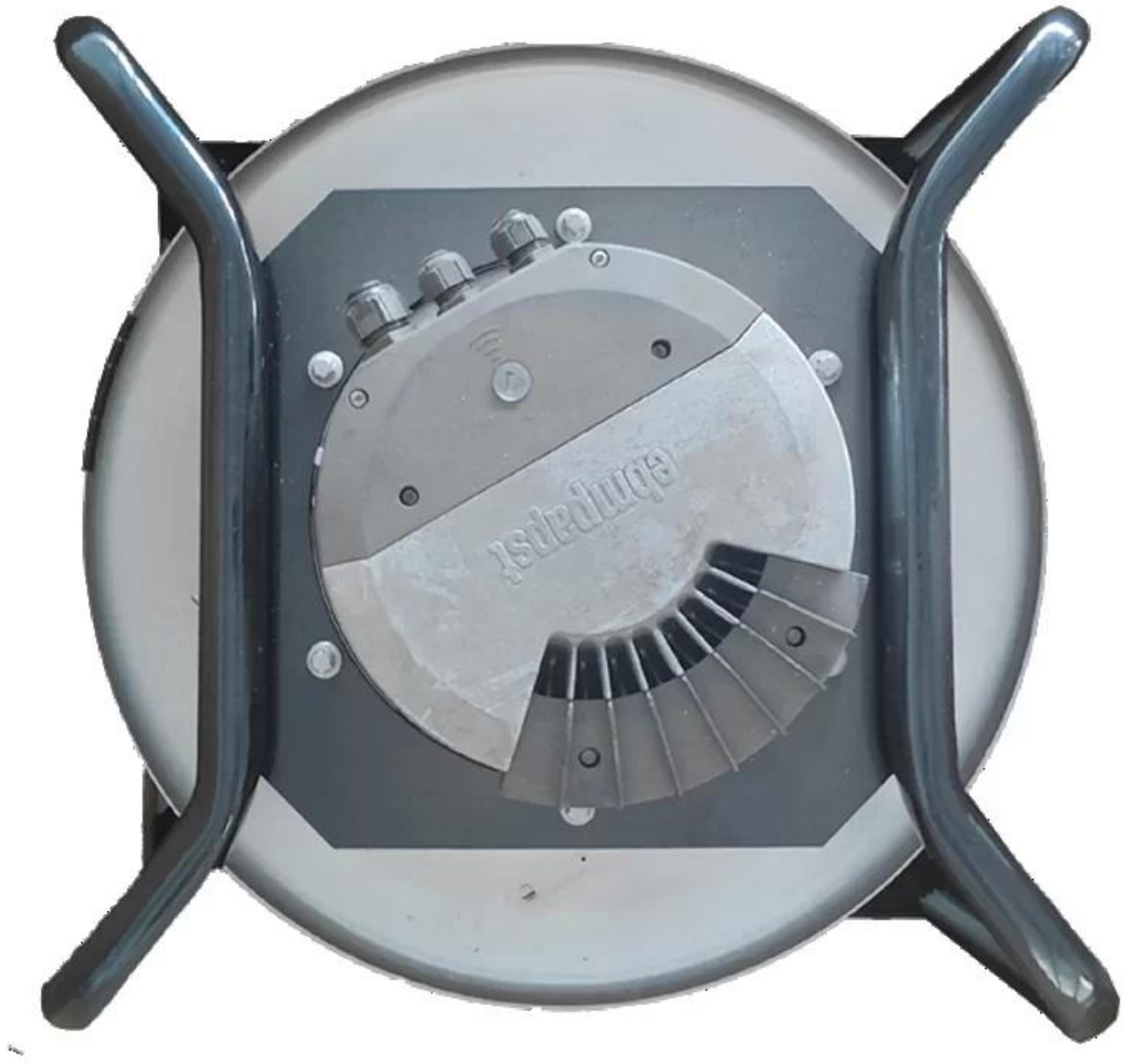
Application

The K3G630-PC04-L1 is a heavy-duty air movement solution intended for demanding industrial and commercial HVAC applications. Its high static pressure capability, high IP and H protection classes, and wide operating temperature range make it perfect for deployment in large air handling units (AHU), rooftop units, and FanGrid systems within data centers, commercial buildings, and cleanroom environments, where energy efficiency, precise control (via MODBUS), and operational reliability are critical.

Product Images







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