

G4E160-AB01-01 ebmpapst 230V 160mm AC Centrifugal Fan

SKU: G4E160-AB01-01

Price: \$475.69

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/g4e160-ab01-01-ebmpapst-230v-160mm-ac-centrifugal-fan/>

Product Description

The ebmpapst G4E160-AB01-01 is a high-performance 230VAC single-phase AC Centrifugal Fan with a housing (flange) and an impeller diameter of 160 mm, specifically engineered for mission-critical cooling in industrial ventilation and localized air conditioning systems. Driven by the M4E068-CF external rotor motor with maintenance-free ball bearings, this forward-curved single-intake unit operates on a 230 VAC supply, delivering a Power Consumption of 67 W (50 Hz) / 90 W (60 Hz) and a Current Draw of 0.3 A / 0.4 A at a rated speed up to 1400 RPM under free air conditions. Requiring a 2 μ F motor capacitor for operation, this unit achieves an overall efficiency of 26.6% at its optimum point (1415 RPM). Featuring a rugged die-cast aluminum housing and galvanized sheet steel impeller, this 160 mm unit ensures superior thermal management and an extended service life in continuous S1 environments at the end.

G4E160-AB01-01 Fan Parameters

Model Number: G4E160-AB01-01

Motor Model: M4E068-CF

Manufacturer: ebmpapst

Type: AC Centrifugal Fan (Forward-curved, single-intake)

Size: 160 mm

Dimensions: 226.8 x 247.5 x 130 mm

Weight: 2.9 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 / 60 Hz

Method of Obtaining Data: fa (Free air)

Current Draw: 0.3 / 0.4 A

Power Consumption: 67 / 90 W

Capacitor: 2 μ F

Capacitor Voltage: 450 VDB

Capacitor Standard: S0 (CE)

Rated Speed: 1300 / 1400 RPM

Starting Current: 0.46 / 0.46 A

ErP Optimum Efficiency Point Speed: 1415 RPM

ErP Static Pressure Increase: 100 Pa

ErP Air Flow: 285 m³/h

Overall Efficiency (η_{es}): 26.6%

Efficiency Grade: N40

Noise Level: 60.0 dB(A)

Motor Protection: Thermal overload protector (TOP) internally connected

Insulation Class: "B"

Degree of Protection: IP44

Protection Class: I

Impeller Material: Sheet steel, galvanized

Housing Material: Die-cast aluminum

Direction of Rotation: Clockwise (viewed toward rotor)

Installation Position: Any

Mode: S1

Ambient Temperature (Max.): 65 / 60 °C

Min. Operating Temperature: -25 °C

Standard Compliance: EN 60335-1; CE

Approval: CCC; EAC; CE

Application

The ebmpapst G4E160-AB01-01 fan is the primary cooling component for control cabinet ventilation, electronic enclosures, and localized industrial cooling systems requiring a compact flanged centrifugal blower.

Product Images









Scan for product details:

