

W3G250-HH07-03 ebmpapst 230VC 280x280x80mm EC Axial Fan

SKU: W3G250-HH07-03

Price: \$479.69

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/w3g250-hh07-03-ebmpapst-230vc-280x280x80mm-ec-axial-fan/>

Product Description

The ebmpapst W3G250-HH07-03 is a high-performance 230VAC single-phase EC Axial Compact Fan from the HyBlade S-series, featuring 7 sickle-shaped blades with a Fan Size of 250 mm. Specifically engineered for mission-critical cooling in industrial ventilation and electronic enclosures, this unit features overall Dimensions of 280 x 280 x 80 mm within a rugged die-cast aluminum housing. Driven by the M3G055-CF motor with maintenance-free ball bearings and an integrated EC control interface, it operates on a 230 VAC supply (voltage range 200 - 240 VAC). Delivering a Power Consumption of 83 W and a Current Draw of 0.72 A at a rated speed of 2330 RPM under max. load (ml) conditions, this unit ensures superior thermal management with IP54 protection and an extended service life in continuous S1 environments at the end.

W3G250-HH07-03 Fan Parameters

Model Number: W3G250-HH07-03

Motor Model: M3G055-CF

Manufacturer: ebmpapst

Type: EC Axial Fan - HyBlade (S series)

Impeller Size: 250 mm

Dimensions: 280 x 280 x 80 mm

Weight: 2.12 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Voltage Range: 200 - 240 VAC

Frequency: 50 / 60 Hz

Method of Obtaining Data: ml (Max. load)

Current Draw: 0.72 A

Power Consumption: 83 W

Rated Speed: 2330 RPM

Max. Air Flow: 824.0 CFM (1400.0 m³/h / 23.33 m³/min)

Max. Static Pressure: 10.20 mmH₂O (100.0 Pa / 0.40 inAq)

Number of Blades: 7

Blade Material: Press-fitted sheet steel blank, sprayed with PP plastic

Fan Housing Material: Die-cast aluminum

Rotor Surface: Thick-film passivated

Direction of Airflow: "V"

Direction of Rotation: Counterclockwise (viewed toward rotor)

Insulation Class: "B"

Degree of Protection: IP54

Environmental Protection Class: H1

Technical Features: 10 VDC Output (max. 1.1 mA) / Tach Output / Power Limiter / Motor Current Limitation / Soft Start / Control Input 0-10 VDC / PWM / Overvoltage Detection / Thermal Overload Protection / Line Undervoltage Detection

Touch Current: <= 3.5 mA

Motor Protection: Electronic motor protection

Connection: Terminal strip

Mode: S1

Protection Class: I

Max. Ambient Temperature: 60 °C

Min. Ambient Temperature: -25 °C

Max. Storage Temperature: +80 °C

Min. Storage Temperature: -40 °C

Standard Compliance: EN 60335-1; CE; EN 61000-6-2; EN 55022 Class B

Approval: CSA; CCC; UL 1004-7; EAC

Application

The ebmpapst W3G250-HH07-03 fan is the primary cooling component for industrial ventilation systems, precision air conditioning units, and heat exchangers requiring intelligent 230V EC axial airflow with sickle-shaped HyBlade technology.

Product Images







Scan for product details:

