

G3G280-BR04-M7 ebmpapst 400V 280mm EC Centrifugal Fan

SKU: G3G280-BR04-M7

Price: \$7,699.60

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/g3g280-br04-m7-ebmpapst-400v-280mm-ec-centrifugal-fan/>

Product Description

The ebmpapst G3G280-BR04-M7 is a high-performance 380-480 V three-phase GreenTech EC centrifugal fan module featuring a 280 mm backward-curved RadiCal impeller and a robust galvanized sheet steel scroll housing. Driven by the M3G084-DF external rotor motor with integrated electronics, this unit delivers an air flow of 1505 m³/h and a static pressure increase of 692 Pa. The impeller, constructed from high-strength PP plastic, is aerodynamically optimized for low-noise operation. Designed for S1 continuous duty, it features an RS-485 Modbus RTU interface, an integrated PID controller, and comprehensive motor protection including phase failure detection. This unit is a key thermal management component for industrial equipment, specifically associated with Siemens part number ASE44686678, operating reliably within an ambient temperature range of -25 °C to 60 °C.

G3G280-BR04-M7 Fan Parameters

Model Number: G3G280-BR04-M7

Manufacturer: ebmpapst

Motor Model: M3G084-DF

Siemens Part Number: ASE44686678

Series: RadiCal EC Centrifugal Series

Type: EC Centrifugal Fan (with Scroll Housing)

Impeller Size: 280 mm

Dimensions: 433 x 415 x 235 mm

Bearing Type: Ball bearing; (sealed)

Nominal Voltage: 400 VAC

Voltage Range: 380 - 480 VAC

Phase: 3~

Frequency: 50 / 60 Hz

Weight: 15 kg

Power Consumption: 530 W (Ped 0.48 kW)

Nominal Current: 0.85 A

Speed: 2700 RPM (2710 RPM at peak point)

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Efficiency Grade (N): 79.8

Overall Efficiency (η_{es}): 66.0%

Motor Design: 3-phase EC External Rotor Motor

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

Technical Features: Integrated PID controller; Soft start; Passive PFC; External 24 V input (parameter setting); 10 VDC output (max. 10 mA); EEPROM write cycles (max. 100,000); Alarm relay

Motor Protection: Thermal overload protection for electronics/motor; Line undervoltage / phase failure detection; Motor current limitation

Insulation Class: Class F

Touch Current: ≤ 3.5 mA

Electrical Hookup: Terminal box

Number of Blades: 6

Direction of Rotation: Clockwise, viewed toward rotor

Impeller Material: PP plastic

Housing Material: Sheet steel, galvanized

Electronics Housing Material: Die-cast aluminum, painted black

Installation Position: Any

Condensate Discharge Holes: None

Degree of Protection: IP55

Environmental Protection Class: H1

Operating Temperature: -25 - +60 °C

Standard Compliance: EN 61800-5-1, CE

Approval Agency: CSA C22.2 No. 77, UL 1004-7, EAC

Application

The ebmpapst G3G280-BR04-M7 centrifugal fan is primarily utilized in electronic cabinet cooling, small air handling units, laboratory equipment ventilation, cleanroom filter units, and compact HVAC systems.

Product Images



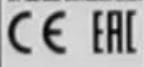


P/N: G3G280-BR04-M7 40/20 Made in Germany
S/N: 2040002UDP 74673 Mulfingen

3- 380-480VAC 50/60Hz
(0.85A 530W) @400V 2700min⁻¹
IP55 60°C Siemens-No.ASE44686678
η =66% (A, static) N61 N=79.8 VSD integrated



Warning! This product
impeller are only used
in direct contact with





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