

# G4E280-BC23-05 ebmpapst 230V 280mm AC Centrifugal Fan

**SKU:** G4E280-BC23-05

**Price:** \$479.99

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/g4e280-bc23-05-ebmpapst-230v-280mm-ac-centrifugal-fan/>

---

## Product Description

---

The ebmpapst G4E280-BC23-05 (Siemens 6SL3362-0AG00-0AA1 / A5E01026230) is a high-performance 230 VAC AC Centrifugal Fan with an impeller size of 280 mm and housing dimensions of 434.0 x 421.0 x 205.0 mm, specifically engineered for extreme thermal management in Siemens Industrial Frequency Converters and large-scale VFD cooling systems. Driven by a specialized M4E094-HA motor, this unit provides a substantial Max. Power Consumption of 980.0 W and a Max. Current Draw of 4.28 A at 60 Hz. Constructed with a heavy-duty hot-galvanised sheet steel housing and a forward-curved impeller featuring precision dual ball bearings, this 14.1 kg unit provides a dependable air-moving solution with IP10 protection, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters and integrated industrial switchgear systems at the end.

G4E280-BC23-05 Fan Parameters

Model Number: G4E280-BC23-05

Siemens Part Number: 6SL3362-0AG00-0AA1 / A5E01026230

Manufacturer: ebmpapst

Motor Model: M4E094-HA (1-phase capacitor motor)

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

Impeller Size: 280 mm

Dimensions: 434.0 x 421.0 x 205.0 mm

Weight: 14.1 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Frequency: 50 / 60 Hz

Max. Power Consumption: 690.0 W (50 Hz) / 980.0 W (60 Hz)

Max. Current Draw: 3.10 A (50 Hz) / 4.28 A (60 Hz)  
Motor Capacitor: 14.0  $\mu$ F / 450 VDB  
Rated Speed: 1340 RPM (50 Hz) / 1410 RPM (60 Hz)  
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)  
Working Air Flow: 2360.0 m<sup>3</sup>/h (50 Hz) / 2620.0 m<sup>3</sup>/h (60 Hz)  
Static Pressure Increase: 450 Pa (50 Hz) / 550 Pa (60 Hz)  
Motor Protection: Thermal overload protector (TOP) wired internally  
Insulation Class: Class F  
Protection Class: Class I  
Electrical Hookup: Terminal box (Top mounted)  
Number of Blades: Multi-vane (Forward-curved)  
Direction of Rotation: Counter-clockwise (viewed toward rotor)  
Housing Material: Sheet steel, hot-galvanised  
Impeller Material: Sheet steel, hot-galvanised  
Operation Mode: S1 (Continuous operation)  
Sound Pressure Level: 75.0 dB(A)  
Service Life (L10): 40,000 h (at 40 °C)  
Operating Temperature: -40 - +50 °C (50 Hz) / -40 - +40 °C (60 Hz)  
Storage Temperature: -40 - +80 °C  
Degree of Protection: IP10  
Standard Compliance: EN 60335-1; CE  
Approval Agency: VDE; UL; CSA; CCC; EAC

#### Application

The ebmpapst G4E280-BC23-05 AC centrifugal fan is specifically designed for Siemens SINAMICS S120 series industrial frequency converters and high-power VFD cabinets for high-efficiency cooling in harsh industrial environments.

## **Product Images**

---









Scan for product details:

