

G4E280-BC23-05 Siemens 230VAC 280mm Centrifugal Fan Datasheet



Brand: Siemens

SKU: [819228244405](#)

Category: Axial & Centrifugal Fans

Price: **\$544.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/g4e280-bc23-05-siemens-230vac-280mm-centrifugal-fan>

Product Description

The Siemens G4E280-BC23-05 is a robust Centrifugal Fan engineered for high-demand industrial cooling within variable frequency drive systems and power inverters. Utilizing an advanced AC external rotor motor, this unit delivers consistent airflow with optimized thermal impedance to maintain operational stability in sensitive power electronics. The aerodynamic forward-curved impeller design ensures high pressure generation while minimizing structural vibration and acoustic resonance, making it ideal for cabinet cooling. Built with durable galvanized steel to withstand continuous duty cycles, the fan provides critical thermal regulation, preventing overheating in IGBT modules and ensuring the longevity of the drive system under rigorous industrial conditions.

Model Number: G4E280-BC23-05

OEM Part Number: 6SL3362-0AG00-0AA1

Brand: Siemens (ebm-papst)

Product Type: Centrifugal Fan (Single Inlet)

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Current: 1.18 A

Power Input: 270 W

Rated Speed: 1360 RPM

Capacitor: 8 µF / 400 VDB

Max. Air Flow: Approx. 1200 m³/h (Estimate based on curve)

Impeller Diameter: 280 mm

Bearing Type: Ball Bearing

Motor Type: M4E094-HA

Motor Technology: AC External Rotor

Impeller Material: Sheet Steel, Hot-Galvanized

Housing Material: Galvanized Sheet Steel

Direction of Rotation: Clockwise (viewed toward rotor)

Insulation Class: F

Type of Protection: IP00

Mounting Position: Shaft Horizontal or Rotor on Bottom

Weight: 6.4 kg

Phase: 1~

Termination: Lead Wires

Operating Temperature: -25 to +60 °C

Deployed primarily in Siemens Sinamics drive systems, the G4E280-BC23-05 serves as a critical cooling component for variable frequency drives (VFDs) and large-scale power converters. This fan is widely utilized in industrial automation cabinets, renewable energy inverters, and heavy-duty motor control centers to manage thermal loads on power electronics. Maintenance teams frequently install the G4E280-BC23-05 in textile machinery, printing presses, and HVAC air handling units where reliable, high-pressure airflow is necessary to prevent system faults and ensure continuous production uptime.

Supplemental Images

