

G2E120-DD70-12 ebmpapst 230V 120mm AC Centrifugal Fan

SKU: G2E120-DD70-12

Price: \$639.21

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/g2e120-dd70-12-ebmpapst-230v-120mm-ac-centrifugal-fan/>

Product Description

The ebmpapst G2E120-DD70-12 is a professional-grade 1~ AC single-inlet centrifugal fan powered by the M2E052-CA motor. Operating at a nominal 230 VAC (50 Hz), this unit is designed for high-static pressure applications with dimensions of 178 x 184 x 156.5 mm. It features a forward-curved multi-vane impeller made of galvanized sheet steel, housed within a robust die-cast aluminum scroll housing. At 50 Hz, it achieves a rated speed of 2000 RPM with a power consumption of 62 W and a low current draw of 0.28 A. The motor is mounted on a specialized support plate for one-sided vibration damping, ensuring quiet and stable operation. Rated with Class B insulation and H0+ environmental protection, the G2E120-DD70-12 utilizes a 2 µF capacitor and includes an internally connected thermal overload protector for mission-critical reliability in S1 continuous duty cycles.

G2E120-DD70-12 Fan Parameters

Manufacturer: ebmpapst

Model Number: G2E120-DD70-12

Motor Model: M2E052-CA (Size 52)

Type: AC Centrifugal Fan (with Scroll Housing)

Phase: 1~

Nominal Voltage: 230 VAC

Frequency: 50 Hz

Dimensions: 178 x 184 x 156.5 mm

Impeller Size: 120 mm

Weight: 2.0 kg

[Electrical Data]

Rated Speed: 2000 RPM

Power Consumption: 62 W
Current Draw: 0.28 A
Starting Current: 0.33 A
Capacitor: 2.0 μ F / 400 VDB (S0 CE standard)
Motor Bearing: Ball Bearing
Insulation Class: B
Moisture/Environmental Class: H0+

[Performance & Acoustics]

Air Flow: 245 m³/h (144.2 CFM)
Min. Back Pressure: 0 Pa (0 inAq)
Touch Current: < 0.75 mA (IEC 60990)
Degree of Protection: IP00
Sound Pressure Level: 58 dB(A)

[Materials & Construction]

Housing Material: Die-cast aluminum
Impeller Material: Sheet steel, galvanized
Rotor Surface: Painted black
Motor Suspension: Mounted on support plate (one-sided vibration damping)
Direction of Rotation: Counterclockwise, viewed toward rotor
Installation Position: Any
Condensation Drainage: None, open rotor
Mode: S1 (Continuous operation)

[Reliability & Protection]

Min. Ambient Temperature: -25 °C
Max. Ambient Temperature: 40 °C
Max. Storage Temperature: +80 °C
Min. Storage Temperature: -40 °C
Motor Protection: Thermal overload protector (TOP) internally connected
Protection Class: I (requires customer protective earth connection)
Conformity: EN 60335-1; CE
Approval: EAC

Application

The ebmpapst G2E120-DD70-12 is a specialized thermal management solution for systems requiring precise airflow and high static pressure, such as industrial gas boilers, high-end laboratory equipment, and localized cooling for electrical control cabinets. Its die-cast aluminum housing and galvanized steel impeller provide exceptional structural integrity and corrosion resistance. The unique one-sided vibration damping mounting plate makes it ideal for applications sensitive to mechanical noise or resonance. With its 230V AC input, S1 continuous duty rating, and integrated thermal protection, this 120 mm centrifugal blower ensures a stable and maintenance-free cooling performance for modern HVAC systems and medical diagnostic

infrastructures.

Product Images







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