



G2E160-AY47-01 ebmpapst

Brand: ebmpapst

SKU: G2E160-AY47-01

Category: AC Fans

URL: <https://www.fansco.com/item/g2e160-ay47-01-ebmpapst/>

Contact: sales@fansco.com

Product Description

G2E160-AY47-01 ebmpapst 230VAC 160mm Ball 280W 2100RPM IP44 4 Wire Leads Blower Capacitor Thermal Overload Protection (TOP) AC centrifugal fan

The G2E160-AY47-01 is an AC centrifugal fan by ebm-papst, specifically designed for solid-fuel heating systems, featuring a forward-curved, single-intake design with a flanged housing. Its electrical parameters include a single-phase 230VAC nominal voltage (50/60Hz frequency), with a speed of 2100rpm, 240W power consumption, and 1.05A current at 50Hz, and 2100rpm, 280W power, and 1.23A current at 60Hz. It is equipped with a 6µF/400VDB capacitor, operating in ambient temperatures of -25°C~50°C (50Hz) and -25°C~30°C (60Hz), with minimum back pressure of 0Pa (50Hz) and 50Pa (60Hz). Mechanically, it weighs 4kg, has a 160mm fan size, a galvanized steel impeller, and a die-cast aluminum housing, rotating clockwise with an IP44 protection class (dependent on installation position), insulation class "B", and H0 (dry environment) protection. Supporting any installation position without condensation drainage holes, it uses an S1 continuous operation mode and ball bearings, with internal thermal overload protection and a class I protection rating (requiring customer grounding). The cable is PVC 4G 0.5mm² with crimped splices, including a PE grounding terminal. Aerodynamically, it achieves a maximum airflow of 590m³/h (0Pa) at 50Hz and 570m³/h (50Pa) at 60Hz, with maximum pressures of 510Pa (240m³/h) and 700Pa (200m³/h) respectively, compliant with ISO 5801 standards. Certified for CCC and EAC, and meeting EN 60335-1 safety standards, it is suitable for ventilation and heat dissipation in industrial heating equipment.

Technical Specifications

Attribute	Value
Part Number	G2E160-AY47-01
Manufacturer	ebm-papst
Series	G2E160
Fan Type	AC
Voltage Rating	230 VAC
Dimensions	160 mm
Static Pressure	0.200 in H2O (49.8 Pa)

Bearing Type	Ball Bearing
Subcategory	Blower
Features	Capacitor, Thermal Overload Protection (TOP)
Power Rating	280 W
Fan Speed	2100 RPM
Termination	4 Wire Leads
IP Rating	IP44
Operating Temperature	-13 ~ 86°F (-25 ~ 30°C)
Approval Agency	CCC, CE
Weight	8.8 lbs (4 kg)
Subcategory	AC centrifugal fan



