

Data Sheet

BLOWER – ELITE TGA



Product Overview

High reliability AC centrifugal blower used in ELITE TGA systems for furnace exhaust and gas circulation. Designed for continuous laboratory operation with stable airflow, low power consumption, and proven safety compliance.

Blower Identification

- Blower Type: AC centrifugal fan, forward curved, single intake
- Mounting: Flange mounted with housing
- Fan Model: G2E085 AA01 01
- Motor Model: M2E042 CA
- Application: Exhaust / gas handling in ELITE TGA

Electrical Specifications

Parameter	50 Hz
Supply Voltage	230 VAC, 1Phase
Frequency	50 Hz
Speed	2350 rpm
Power Consumption	32 W
Current	0.15 A
Starting Current	0.2 A
Capacitor	1 μ F / 400 V

Air Performance

- 50 Hz
- Airflow up to 85 m³/h at 0 Pa
- Maximum static pressure 90 Pa

Mechanical & Construction

Fan Size: 85 mm
Weight: 0.9 kg
Rotation: Clockwise (viewed from rotor)
Installation Position: Any orientation
Material of Construction
Impeller: Galvanized sheet steel
Housing: Die cast aluminum
Bearings: Ball bearing



Exhaust Pipe



Blower (without external case)

Environmental & Protection

Degree of Protection: IP44 (installation dependent)
Insulation Class: Class B
Operating Mode: S1 (continuous duty)
Operating Ambient Temperature: -25 °C to +50 °C (50 Hz) / +70 °C (60 Hz)
Storage Temperature: -40 °C to +80 °C
Moisture Protection: H0 (dry environment)

Safety & Compliance (for Blower)

Motor Protection: Thermal overload protector (internal)
Protection Class: Class I (with protective earth)
Touch Current: < 0.75 mA
Compliance: CE
Standards: EN 60335 1
Approvals: CCC, EAC

Electrical Connection

- PVC cable, 3 × 0.25 mm² with crimped splices
- Protective earth provided (Green/Yellow)

Options

- Blower housed in an external casing.



External case front view



External case back view

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