Caltherm 250°C Electric Box Oven - AMS2750E



Stock No	OF2702
Manufacturer	Caltherm
Model	Electric Box Oven
Year of Manufacture	2020
Serial	J8116E.03.20
Condition	From a working environment, Excellent Condition, Current Model
Internal Size (WxDxH mm)	1200 x 1600 x 1800
Max Temp	250°c
Other Info	Trolley Dryer
Location	Our Central Warehouse, Aldridge, UK
External Dimensions (WxDxH mm)	2230 x 3060 x 2280

Description

Manufactured in the UK by Caltherm, this 250°C electric box oven is a robust, well engineered industrial heating solution, designed for reliable performance and consistent temperature control. Featuring heavy duty hinges, secure door locking mechanisms and a powerful recirculation system, it delivers efficient heating and uniform airflow throughout the chamber.

Benefits & Features

- **UK Manufactured by Caltherm:** Quality British engineering with robust construction, heavy-duty hinges and

secure door locking mechanisms.

- **AMS2750E Qualified:** Meets Class 2, Instrumentation Type B requirements for aerospace thermal processing applications.
- **Excellent Temperature Uniformity:** Maintains ±5°C uniformity within a calibrated working zone of 1,300 × 850 × 1,000mm.
- **Advanced Eurotherm Controls:** Equipped with a 6100A Graphic Recorder, 3508 Temperature Controller and 3216i Over-Temperature Controller.
- **Efficient Heating & Air Circulation:** Nine 3.6kW heating elements and a 3kW recirculation fan provide effective heat distribution throughout the chamber.
- **Large Capacity Chamber:** Generous internal dimensions of 1200 × 1600 × 1800mm, with a maximum operating temperature of 250°C.

Calibrated Working Zone

The oven features a calibrated working zone measuring 1,300 × 850 × 1,000mm, qualified to AMS2750E Class 2, Instrumentation Type B requirements. Within this defined area, it achieves temperature uniformity of ±5°C at operating temperatures up to 250°C, supporting consistent and controlled heating for aerospace thermal processing applications.

Control Panel

- Eurotherm 6100A Graphic Recorder
- Eurotherm 3508 Temperature Controller
- Eurotherm 3216i Over-Temperature Controller

Technical Specifications

- **Maximum operating temperature:** 250°C
- **Internal dimensions (W×D×H)**: 1200 × 1600 × 1800mm
- **Calibrated working zone**: 1300 × 850 × 1000mm
- **Temperature uniformity:** ±5°C
- **Qualification:** AMS2750E Class 2, Instrumentation Type B
- **Heating elements:** 9 × 3.6kW
- **Heating element current:** 45A per phase
- **Recirculation fan motor:** 3kW, 132S, 6-pole
- **Fan motor current:** 6.84A per phase
- **Thermocouples:** Type K, 3 metres; Type N, 5 metres

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.