

Carbolite LGP 6/4490 Large Capacity High Temp Oven



Stock No	OF2653J
Manufacturer	Carbolite
Model	LGP 6/4490
Year of Manufacture	2006
Serial	10/00/2461
Condition	From a working environment, Good Condition
Internal Size (WxDxH mm)	1800 x 1200 x 2200mm / 4490 litres
Max Temp	625°C
Other Info	Ex MOD oven (RAF)
Location	Arriving in our warehouse soon
Weight (kgs)	2700
External Dimensions (WxDxH mm)	3400 x 1600 x 2800mm

Description

Carbolite large general purpose (LGP) ovens offers users a great of build quality for high temperature operating range.

- The range is often customised in order to precisely meet the user's requirements. Typical examples of which are the more sophisticated control systems and data recording that is required for applications such as BS 1041:Part 4, BS 4937:Part 20 for the temperature control in the heat treatment of metals

- In these high temperature LGP fan convection ovens, the elements are located on both sides of the oven where there is room for a more complex air guide, the fans pulling the air over the elements. The fans action thoroughly mixes the heated air, equalising its temperature before blowing it around the chamber and over the sample.
- The chamber lining is made of grade 430 stainless steel and the outer case is insulated with a lightweight thermal insulation material which is covered with aluminium foil. Electronic Eurotherm 2116 temperature and over-temperature protection is fitted as standard.

Advantages of Fan Convection

- The oven heats up and recovers the temperature more quickly.
- The higher airflow improves the contact between the sample/load and as a result the sample/load also heats up faster.
- The airflow conveys the heat to the temperature sensor more quickly, resulting in improved control stability.
- The temperature uniformity is improved.
- The fan promotes higher airflow in and out of the chamber and speeds up drying by faster removal of vapours.

Standard Features

- 625°C maximum operating temperatures.
- 4490 litre chamber volume.
- PID digital set and display using the 2216 controllers.
- Chessel chart recorder.
- Process timer.
- Large capacity, rugged well proven design.
- Robust construction, for heavy duty cycles.
- Efficient air circulation and excellent temperature uniformity from 4 heavy duty impellers.
- Corrosion resistant ferritic grade 430 stainless steel interior.
- Steel section & zinc coated, painted mild steel exterior.
- Double door model.
- 3 Shelf runners with 2 shelves.
- low thermal mass insulation for high energy efficiency.
- Fully adjustable chamber ventilation.
- Insulated flooring.

Technical Details LGP 6/4400

- Max temp - 625°C.
- Min temp - Ambient +35°C.
- Volume - 4490 litres.
- Temp stability - $\pm 0.5^\circ\text{C}$.
- Temp uniformity - $\pm 5.0^\circ\text{C}$ @250°C.
- Heat-up time - 75 minutes.
- Dimensions: Internal (W x D x H) - 1800mm x 1200mm x 2200mm.
- Dimensions: External (W x D X H) - 3400mm x 1600mm x 2800mm.
- Double doors.
- Shelves fitted / accepted.

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Machine Datasheet



- Shelf loading each / total - 50kg / 350kg.
- Max power - 40,000W.

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