

# Data Sheet

Model: TLCF12/10

Top Loading Chamber Furnaces



## INTRODUCTION

**TLCF12 Top Loading Chamber Furnaces** are suited to application which involve heavy loads, where samples are contained in tall crucibles, or where there is a danger of spillage onto the base of the chamber and is available in various capacities ranging from 5 litres to 125 litres in standard versions. Other chamber capacities/volumes are offered in custom-built models.

The **TLCF12/10** chamber furnace has a 10-liter capacity.

## SPECIFICATIONS

**Maximum Temperature:** 1200°C

**Maximum Continuous Temperature:** 1150°C

- | Floor mounted design
- | Chamber (mm) - H x W x D  
365 x 185 x 155
- | Energy efficient, high quality, low thermal mass. Insulation with brick insulation.
- | These heating elements are robust cast refractory panels mounted on all 4 sides.
- | Type 'R' thermocouple.
- | Swing aside door keeps hot door surface away from operator.
- | High end Microprocessor PID controller.
- | A small ceramic chimney is fitted as standard.



**TLCF12/10**

**External Dimensions (mm):** H x W x D      **Net Wt.**  
(Indicative only) 770 x 575 x 450      130 kg

| Supply / Power: 230V– 1 Phase – 3000 Watts.

## OPTIONAL FEATURES

- | Independent Overtemperature protection system.
- | Multi segment, multi program storage controllers.
- | Monitoring probes.

## Elite Thermal Systems Limited

Elite Court, 6 Stuart Road, Market Harborough, Leicestershire LE16 9PQ, UK  
Tel: +44 (0)1858 469834 | E-mail: [contact@elitefurnaces.com](mailto:contact@elitefurnaces.com) | Website: [www.elitefurnaces.com](http://www.elitefurnaces.com)