

FURNACE CF 2400 LITERS 4.5E

2400 liters

Technical Datasheet



Design and production of custom-made furnaces

We specialize in the design and manufacturing of industrial furnaces used in processes that require precise temperature control.

www.samothermal.com



**hornos
samo thermal**



samothermal

Technical datasheet

FURNACE CF 2400 LITERS 4.5E



2400 liters

APPLICATIONS

- Ceramics
- Fused glass

FEATURES

For firing ceramics, glazes, stoneware, and low-fire porcelain. Multi-zone temperature control with PID.

Internal Chamber dimensions:

Height: 170 cm
Width: 120 cm
Depth: 170 cm

Internal Chamber dimensions:

Height: 240 cm
Width: 170 cm
Depth: 200 cm

Material de cámara interna:

Refractory insulating brick and high-quality ceramic fiber blanket.

Volume: 220 litros

Wall specifications:

Walls coated with 4.5" insulating refractory brick (horizontally placed) and ceramic fiber insulation, ensuring energy efficiency and short heating cycles.
Electric supply: 208 or 240 V three-phase.

Outer coating and structure:

Stainless steel internal structure and heat-resistant structure.

Electric supply:

208 or 240 V three-phase

Heating system:

Low-energy consumption Kanthal electric resistance coils designed for high-temperature furnaces.

Operation controller:

Electronic control with programmable microprocessor for slow and fast firing (automated) and other experimental curves. It must operate with a minimum of 4 firing curves. Additionally, it should have a preheating system for pieces and controlled cooling.

Modular system and stacking accessory:

2 Complete sets of accessories, refractory plates, and posts for arranging firing shelves.

Loading system: Front-loading

Current: 135 A

Tension: 220 Volts three-phase

Power: 52000 Watts

Number of Phases: 3

Thermocouple:

Type K with ceramic coating

Heating Elements:

Spiral wire of Kanthal alloy

Temperature Measurement

Variation: $\pm 1^{\circ}\text{C}$



Warranty: 1 year against manufacturing defects.

Delivery time: 4 to 5 weeks.

