



**Hood Kiln HE 630/13**

⊕	Volume	<b>630 litres</b>
⊙	Int. dimensions	<b>1300 x 700 x 700 mm</b>
⏻	Power	<b>60 kW</b>
Ⓒ	Tmax	<b>1300°C</b>

**Technical data**

☰ **Overview**

Product group	<b>Kiln</b>
Design	<b>Hood Kiln</b>
Type	<b>HE series</b>
Tmax	<b>1300°C</b>

⏻ **Energy**

Energy type	<b>Electrical</b>
Power	<b>60 kW</b>
Supply	<b>86 A</b>
Voltage	<b>400V</b>
Connection	<b>-</b>

⊕ **Dimensions**

Volume	<b>630 litres</b>
Int. dimensions	<b>1300 x 700 x 700 mm</b>
Ext. dimensions	<b>1750 x 1850 x 2450 mm</b>
Weight	<b>1800 kg</b>

☆ **Equipment**

Insulation	<b>3-layer</b>
Heating	<b>5-side</b>
Heating elements	<b>Support rods</b>
Control	<b>TC 504</b>

## Besondere Merkmale

### **Torsion-resistant welded steel housing**

The housing consists of a torsion-resistant welded construction. Each furnace is manufactured by hand and leaves the factory after undergoing extensive quality controls.

### **Corrosion protection due to stainless steel in-frame ventilation**

The fully in-frame ventilated steel construction contributes to low external temperatures and combined with stainless steel components provides effective protection against corrosion.

### **Durable textured paint finish**

The high-quality light-grey RAL 7035 textured coating protects the furnace body and steel construction.

### **Air supply handle**

The manual air supply handle ensures the best possible ventilation of the furnace interior.

### **Exhaust air flap handle**

The manual exhaust air flap handle is available for the controlled removal of gases and hot exhaust air.

### **Efficient 3-layer insulation structure**

A sophisticated 3-layer insulation structure allows for required temperatures to be achieved using less energy. High energy efficiency can be achieved even in continuous use.

### **First-class useful volume**

All insulating materials are processed precisely and carefully. Lightweight firebricks in the firing chamber are characterised by a high insulation value and good thermal shock resistance.

### **Covered heating elements on the floor**

A high-quality SiC plate protects heating elements mounted on the floor. The SiC plate guarantees good heat transfer and at the same time protects the heating elements from damage.

### **Unique system prevents particles falling onto the products**

ROHDE uses a unique concept of mortar-free lightweight firebricks combined with R-SiC ceiling supports preventing cracks and particles falling onto the products.

### **Easy-to-maintain switchgear mounted in a Rittal switch cabinet**

The switchgear is mounted in a Rittal switch cabinet and can be easily maintained and accessed.

## **Integrated safety due to safety switch**

A door contact switch automatically isolates the heating elements from the power supply when the kiln opens. The integrated overtemperature protection prevents damage to electrical components.

## **Low-wear solid-state relays for control**

The furnace is controlled by low-wear, silent solid-state relays with external cooling elements.

## **5-side heating allows for good heat distribution**

Heating from 5 sides (side walls, back wall, door and floor) results in very good heat distribution throughout the firing chamber.

## **Durable heating elements made of “Kanthal A1”**

We are committed to minimal surface load and precise manufacture when dimensioning “Kanthal A1” heating elements, so a long service life is guaranteed.

## **Heating elements securely mounted on support rods**

Heating elements are mounted in protected position on Sillimantín support rods and achieve ideal heat radiation and facilitate easy replacement of heating elements.

## **Heating elements can be easily accessed and serviced**

An easy-to-access detachable cover for heating element connections allows the effortless replacement of heating elements.

## **Precise temperature measurement with the “Type S” thermocouple**

The installed PtRhPt thermocouple (type S) is protected against damage and guarantees exact temperature measurement at all times.

## **Components from well-known manufacturers contribute to long service life**

We only obtain our electric components from well-known manufacturers (e.g. SIEMENS, MOELLER, WEIDMÜLLER, RITTAL).

## **Furnace construction in accordance with DIN EN 746-1**

The unit is constructed and manufactured in accordance with DIN EN 746-1 Industrial Thermoprocessing Equipment.

## **Switchgear design in accordance with DIN EN 60519**

The switchgear is designed in accordance with DIN EN 60519 Safety in Installations for Electroheating.

## **2-year warranty despite intense use**

We deliberately refuse to reduce the warranty period despite commercial furnaces being used intensely except parts that are subject to wear.