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## Hood Kiln HE 630/10

⊕	Volume	<b>630 litres</b>
⊙	Int. dimensions (w x d x h)	<b>1300 x 700 x 700 mm</b>
⊖	Power	<b>32 kW</b>

## Technical data

### ☰ Overview

Product group	<b>Kiln</b>
Design	<b>Hood Kiln</b>
Type	<b>HE series</b>

### ⏻ Energy

Energy type	<b>Electrical</b>
Power	<b>32 kW</b>
Supply	<b>47 A</b>
Voltage	<b>3/N/PE 400V AC</b>
Connection	<b>CEE 63 A</b>

### ⊕ Dimensions

Volume	<b>630 litres</b>
Int. dimensions (w x d x h)	<b>1300 x 700 x 700 mm</b>
Ext. dimensions (W x D x H)	<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.

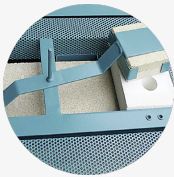
### Durable textured paint finish

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 door contact 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 Sillimantin 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.



### The “CEE 63 A” connector allows for easy connection

The standardised CEE 63 A connector allows for easy connection and quick and safe start-up.

### 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.