# TE 220 DPF

ROHDE Toploader

ROHDE

Product data sheet



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## Toploader **TE 220 DPF**

| | |
|---|---|
| Volume | **220 litres** |
| Int. dimensions (w x d x h) | **Ø590 x 800 mm** |
| Power | **9 kW** |

## Technical data

### Overview

| | |
|---|---|
| Product group | **Kiln** |
| Design | **Toploader** |
| Type | **TE-DPF series** |

### Energy

| | |
|---|---|
| Energy type | **Electrical** |
| Power | **9 kW** |
| Supply | **13 A** |
| Voltage | **3/N/PE 400V AC** |
| Connection | **CEE 16 A** |

### Dimensions

| | |
|---|---|
| Volume | **220 litres** |
| Int. dimensions (w x d x h) | **Ø590 x 800 mm** |
| Ext. dimensions (W x D x H) | **830 x 880 x 1140 mm** |
| Weight | **150 kg** |

### Equipment

| | |
|---|---|
| Insulation | **2-layer** |
| Heating | **All-around** |
| Heating elements | **Recessed into bricks** |
| Control | **Jumo (integrated)** |

## 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.

### Durable textured paint finish

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

### Corrosion protection due to a stainless steel jacket

The robust and corrosion-resistant high-quality stainless steel jacket protects the furnace body.

### Easy-to-move transport castors allow for effortless movement

Transport castors with large, smooth-running wheels allow for effortless and safe movement of the furnace.

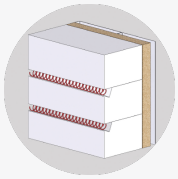
### Safe lid opening thanks to the robust lid

The lid comprises a robust lid hinge and a gas pressure spring allows for easy lid opening.



### Air supply handle

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



### Efficient 2-layer insulation structure

A sophisticated 2-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 cordierite plate protects heating elements mounted on the floor. The cordierite plate guarantees good heat transfer and at the same time protects the heating elements from damage.

### Easy-to-maintain switchgear mounted in a connection box

The switchgear is mounted in a stainless steel connection box 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 contactors for control

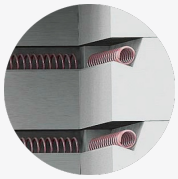
The furnace is controlled by low-wear, durable contactors.

### All-around heating allows for good heat distribution

All-around heating (on the side walls) combined with floor heating 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 recessed into bricks

Heating elements are recessed in protected position into bricks and achieve high energy input and provide ideal protection against mechanical damage.

### 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 “Type K” thermocouple

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




### The “CEE 16 A” connector allows for easy connection

The standardised CEE 16 A connector allows for easy connection and quick and 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.