



Similar to illustration

Frontloader KE 105 B

⊕	Volume	105 litres
⊙	Int. dimensions (w x d x h)	450 x 410 x 570 mm
Ⓢ	Power	7 kW
Ⓒ	Tanw *	1220°C

* **Application temperature** for long-term and continuous use.

Technical data

☰ Overview

Product group	Kiln
Design	Frontloader
Type	KE-B series

Ⓢ Energy

Energy type	Electrical
Power	7 kW
Supply	10 A
Voltage	3/N/PE 400V AC
Connection	CEE 16 A

⊕ Dimensions

Volume	105 litres
Int. dimensions (w x d x h)	450 x 410 x 570 mm
Ext. dimensions (W x D x H)	760 x 860 x 1600 mm
Weight	260 kg

☆ Equipment

Insulation	2-layer
Heating	3-side
Heating elements	Recessed into bricks
Control	ST 310

Besondere Merkmale



Long-term application temperature Tapp 1220°C

The kiln is designed for long-term and continuous use at temperatures up to 1220°C which makes it suitable for applications such as bisque, earthenware and onglaze firings. These applications correspond to Seger Cone 5a or Orton Cone 5 ½.



Confirmed achievement of the application temperature.

Thanks to the precise calculation and quality of the heating elements, the specified operating temperature is safely reached. Additionally, the high-quality insulation concept ensures minimal heat losses of the kilns.



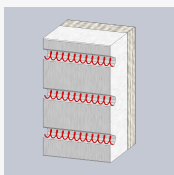
Cognitive Connectivity with the ROHDE myKiln App

This kiln can be connected to the ROHDE myKiln app using the included controller and enjoy all the advantages of the "digital firing program".



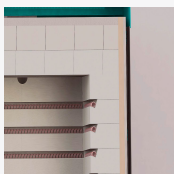
Power supply through a "CEE 16 A 5-Pol." plug connection

The standardised CEE 16 A connector allows for easy connection and quick start-up. With this plug connection, furnaces with an output of up to 11 kW can be operated.



NEW: Particularly high energy efficiency

The kiln is currently one of the most economical kilns on the market thanks to a unique, 2-layer insulation concept with a 35 mm microporous insulating board.



Careful sealing of the door

The seal between the door and the outer bricks is ensured by a flexible insulating cord. This insulating cord closes the high-quality polished sealing surfaces in the cooler area around the front row of bricks and reduces the escape of thermal energy and radiation.



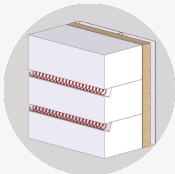
Safety – Safety switch

The safety switch, which is installed on the door of the furnace, interrupts the circuit to the heating elements when the door is opened and thus prevents live components from being touched.



Safety - Over-temperature protection

The integrated overtemperature protection prevents damage to electrical components. The electronic over-temperature protection is a safety routine in the control system, which can avoid a malfunction of the furnace and thus prevent damage to the electrical system.



Efficient 2-layer insulation structure

The clever 2-layer insulation concept means the required temperature can be achieved with low energy input. A high level of energy efficiency is achieved even in continuous use.

3-side heating allows for good heat distribution

Heating from 3 sides (side walls and floor) results in very good heat distribution throughout the firing chamber.



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.



High-quality heating elements

We only use high-quality Kanthal A1 wire for the heating elements. In addition to a solid calculation with sufficient power reserves, careful processing in the manufacture of the heating elements is crucial for long service life. This leads to reliable and highly efficient heating elements as well as low spare part costs.



Plug-in control system

All ROHDE furnaces are connected to the control system via a standardised plug connection (CPC 14 or CPC 19). This enables quick and easy installation and simplifies the replacement of the control system during servicing.



3-year warranty

We produce each kiln by hand and keep to strict quality guidelines. Therefore, we offer a voluntary 36-months warranty to extend legal warranty regulations.