

SAM MUI KUANG POTTERY

Nabertherm N280E Front Loader Kiln

N 280 E with controller C 440

Electrically heated chamber kiln with GS safety mark

Technical specification for N 280E

Inner dimensions:	550 x 580 x 830 mm (wxdxh)
Outer dimensions:	760 x 1050 x 1690 mm (WxDxH)
Weight:	300 kg
Power rating:	15,0 kW
Supply voltage:	415 V
Max. operating temperature:	1300°C
Volume:	280 liter / 10.0cu.ft.
Charging height:	800 mm
Kiln width for transport:	760 mm

- Heating from three sides (left/right side and bottom)
- Heating elements embedded in grooves for protection
- Special arrangement of heating elements ensures good temperature distribution
- Low-noise operation of the heating with SolidStateRelais
- Precise temperature distribution thanks to the fast clocking of switching operations
- Solid, double-walled door with brick surface on both ends sealing (no fibre sealing is used, since it is susceptible to wear and tear)
- Door hinges on the right side
- Door is adjustable and can be locked with padlock
- Rugged housing design
- High-quality Pt-RhPt thermocouple for exact temperature measurements
- Door contact switch with force-release mechanism
- Delivery includes ceramic shelve for level mounting
- Environment-friendly, long-life powder-coating of housing
- Infinitely adjustable bottom damper
- Air outlet in the centre of ceiling ensures good circulation inside the furnace chamber
- Base included
- Delivery includes pipe connection for connecting an air outlet (80 mm diameter)
- GS safety mark for controlled safety, CE

Controller C 440



Functionality of the Standard Control

	<u>B400</u>	<u>C440</u>	<u>P470</u>
Number of programs	5	10	50
Segments	4	20	40
Extra functions (e.g. fan or autom. flaps) maximum	2	2	2-6
Maximum number of control zones	1	1	3
Drive of manual zone regulation			
Auto tune			
Real time clock			
Status messages in clear text			
Data input via jog dial and buttons			
Entering program names (i.e. "Sintering")			
Keypad lock			
Skip-button for segment jump			
Program entry in steps of 1 °C or 1 min.			
Start time configurable (e.g. to use night power rates)			
Switch-over °C/°F			
Malfunction memory			
kWh meter			
Operating hour counter I			
NTLog Basic for Nabertherm controller: recording of process data with USB-flash drive			
Interface for VCD-software			
Number of selectable languages	17	17	17

set kiln furniture for N 280E

Consisting of:

6 shelves with the dimension of 550 x 440 x 18 mm

12 cones with a length of 50 mm

12 cones with a length of 100 mm

Environmental conditions for electrical equipment: temperature +5°C up to +40°C.
Humidity < 80%, not precipitating.





Chamber Kiln N280E