

Chamber Ovens up to 260 °C

The chamber ovens of the KTR range can be used for complex drying processes and heat treatment of charges to an application temperature of 260 °C. The high-performance air circulation enables optimum temperature uniformity throughout the work space. A wide range of accessories allow the chamber ovens to be modified to meet specific process requirements.



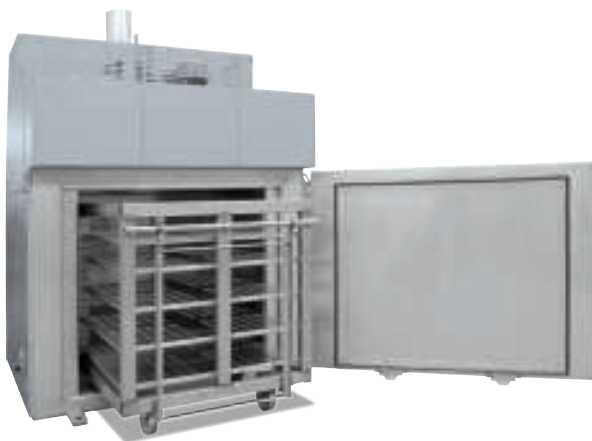
Chamber oven KTR 6125

Standard Equipment

- Tmax 260 °C
- Electrically heated (via a heating register with integrated chrome steel heating elements) or gas-fired (direct or indirect gas-fired including injection of the hot air into the intake duct)
- Temperature uniformity up to ± 3 °C according to DIN 17052-1 (for design without track cutouts) see page 77
- High-quality mineral wool insulation provides for outer temperatures of < 25 °C above room temperature
- High air exchange for fast drying processes
- Double-wing door for furnaces KTR 2300 and larger
- Over-temperature limiter with adjustable cutout temperature as temperature limiter to protect the oven and load
- Controller with touch operation B500 (5 programs with each 4 segments), alternative controllers see page 84

Additional Equipment

- Direct or indirect gas-fired
- Base frame to charge the oven via a charging forklift
- Additional door in the back for charging from both sides or to use the oven as lock between two rooms
- Fan system for faster cooling with manual or motorized control of the exhaust flaps
- Programmed opening and closing of exhaust air flaps
- Air circulation with speed control, recommendable for processes with light or sensitive charge
- Observation window and furnace chamber lighting
- Design for clean room heat treatment processes
- Rotating systems e. g. for tempering processes
- All KTR-models are also available with Tmax 300 °C
- Process control and documentation via VCD software package or Nabertherm Control Center (NCC) for monitoring, documentation and control see page 86/89



Chamber oven KTR 1500 with charging cart



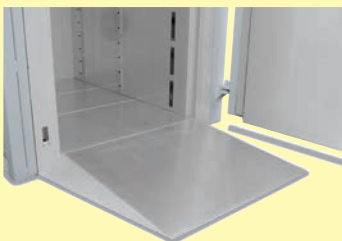
Chamber oven KTR 6250 with double doors in the front and in the back as well as guide-in tracks for use as sluice oven

Model	Tmax °C	Inner dimensions in mm			Volume in l	Outer dimensions ² in mm			Heating power in kW ¹	Electrical connection*
		w	d	h		W	D	H		
KTR 1000	260	1000	1000	1000	1000	1815	1430	1890	18	3-phase
KTR 1500	260	1000	1000	1500	1500	1815	1430	2390	18	3-phase
KTR 2000	260	1100	1500	1200	2000	1915	1930	2090	18	3-phase
KTR 2300	260	1250	1250	1500	2300	2115	1680	2515	27	3-phase
KTR 3100	260	1250	1250	2000	3100	2115	1680	2960	27	3-phase
KTR 3400	260	1500	1500	1500	3400	2445	1930	2460	45	3-phase
KTR 4500	260	1500	1500	2000	4500	2445	1930	2960	45	3-phase
KTR 4600	260	1750	1750	1500	4600	2695	2175	2480	45	3-phase
KTR 6000	260	2000	2000	1500	6000	2945	2430	2460	54	3-phase
KTR 6125	260	1750	1750	2000	6125	2695	2175	2980	45	3-phase
KTR 6250	260	1250	2500	2000	6250	2195	3035	2960	54	3-phase
KTR 8000	260	2000	2000	2000	8000	2945	2430	2960	54	3-phase
KTR 9000	260	1500	3000	2000	9000	2565	3870	2920	72	3-phase
KTR 12300	260	1750	3500	2000	12300	2695	4350	2980	90	3-phase
KTR 13250	260	1250	5000	2000	13250	2195	6170	2960	108	3-phase
KTR 16000	260	2000	4000	2000	16000	2945	4850	2960	108	3-phase
KTR 21300	260	2650	3550	2300	21300	3675	4195	3380	108	3-phase
KTR 22500	260	2000	4500	2500	22500	3015	5300	3550	108	3-phase

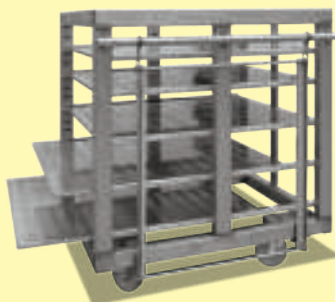
¹Depending on furnace design connected load might be higher

²External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.

*Please see page 84 for more information about supply voltage



Drive-in ramp



Charging cart with pull-out trays



Pull-out shelves, running on rolls