

## High-Temperature Bottom Loading Furnaces up to 1700 °C

The motor-driven lifting table significantly simplifies the charging of the high-temperature furnaces LHT ../. LB (Speed). The heating all around the cylindrical furnace chamber provides for an optimal temperature uniformity. For the tabletop models LHT 01/17 LB Speed and LHT 02/17 LB Speed the charge can be placed in charge saggars made of technical ceramics. Up to three charge saggars can be stacked on top of each other resulting in a high productivity.



High-temperature furnace LHT 02/17 LB Speed with a set of saggars

### Standard Equipment

- Tmax 1650 °C, 1700 °C (LHT 16/17 LB)
- High-quality heating elements made of molybdenum disilicide offer very good protection against chemical interaction between charge and heating elements
- Excellent temperature uniformity thanks to three (LHT 02/17 LB Speed) or four-sided (LHT 01/17 LB Speed) heating of the furnace chamber
- Furnace chamber with a volume of 1, 2 or 16 liters, table with large floor space
- Precise, motorized toothed belt drive of the table with button operation
- Exhaust air vent in the roof
- Type S thermocouple
- Controller P470 (50 programs with each 40 segments), controls description see page 75

### Additional Equipment

- Over-temperature limiter with adjustable cutout temperature for thermal protection class 2 in accordance with EN 60519-2 as temperature limiter to protect the furnace and load
- Stackable saggars for loading in up to two or three levels, depending on model, see page 25
- Adjustable air inlet through the floor

Model	Tmax in °C	Inner dimensions in mm			Volume in l	Outer dimensions <sup>1</sup> in mm			Connected load in kW	Electrical connection*	Weight in kg
		w	d	h		W	D	H			
LHT 01/17 LB Speed	1650	145	180	100	1	350	590	680	2.9	1-phase	40
LHT 02/17 LB Speed	1650	185	180	185	2	390	590	765	3.4	1-phase	50
LHT 16/17 LB	1700	Ø 260		260	16	650	1250	1980	12.0	3-phase	410

<sup>1</sup>External dimensions vary when furnace is equipped with additional equipment. Dimensions on request.

\*Please see page 75 for more information about supply voltage



Electrically driven lift-bottom



Saggars



Furnace chamber heated on four sides for model LHT 01/17 LB Speed