

High-Temperature Furnaces LHT with MoSi₂ Heating Elements as Table-Top Model



LHT 08/17



LHT 02/17

LHT 02/16 - LHT 08/18

Designed as tabletop models, these compact high-temperature furnaces have a variety of advantages. The first-class workmanship using high-quality materials, combined with ease of operation, make these furnaces all-rounders in research and the laboratory. These furnaces are also perfectly suited for the sintering of technical ceramics, such as zirconium oxide dental bridges.

- Tmax 1600 °C, 1750 °C, or 1800 °C
- High-quality molybdenum disilicide heating elements
- Furnace chamber lined with first-class, durable fibre material
- Casing made of sheets of textured stainless steel (non-rusting design)
- Double-walled casing with additional cooling using fans, for low exterior temperature
- Furnace sizes of 2, 4, or 8 liters
- With lift door, whereby the hot side is away from the operator
- Adjustable air inlet integrated in door
- Exhaust air opening in the roof
- Type B thermocouple
- Switching system with phase-angle firing thyristors (SCRs)
- Please see page 48 for a description of the different controllers



Stackable charge saggars

Additional Equipment

- Over-temperature limit controller with adjustable cutout temperature for thermal protection class 2 in accordance with EN 60519-2 as temperature limiter to protect the oven and load
- Stackable charge saggars for charging in multiple layers
- Protective gas connector in rear wall of furnace
- Manual or automatic gas supply system



Over-temperature limit controller

Model	Tmax °C	Inner dimensions in mm			Volume in L	Outer dimensions in mm			Power kW	Electrical connection*	Weight in kg	Minutes to Tmax
		w	d	h		W	D	H				
LHT 02/16	1600	90	150	150	2	470	700	750+350	3,0	single-phase	75	30
LHT 04/16	1600	150	150	150	4	470	700	750+350	5,2	3-phase ¹	85	25
LHT 08/16	1600	150	300	150	8	470	850	750+350	8,0	3-phase ¹	100	25
LHT 02/17	1750	90	150	150	2	470	700	750+350	3,0	single-phase	75	60
LHT 04/17	1750	150	150	150	4	470	700	750+350	5,2	3-phase ¹	85	40
LHT 08/17	1750	150	300	150	8	470	850	750+350	8,0	3-phase ¹	100	40
LHT 02/18	1800	90	150	150	2	470	700	750+350	3,6	single-phase	75	75
LHT 04/18	1800	150	150	150	4	470	700	750+350	5,2	3-phase ¹	85	60
LHT 08/18	1800	150	300	150	8	470	850	750+350	9,0	3-phase ¹	100	60

¹Heating only between two phases

*Please see page 48 for more information about mains voltage