



LHT – High Temperature Bench Mounted Ovens

The LHT laboratory high temperature ovens comprise three sizes of bench mounted ovens, each available with maximum operating temperatures of 400 °C, 500 °C and 600 °C.

Standard features

- 400 °C, 500 °C or 600 °C operating temperatures
- R38 PID controller (see below for other controller options)
- 30, 60 & 120 litre capacities
- Heavy duty convection fan for good uniformity
- Low thermal mass insulation for fast response & energy efficiency
- Corrosion resistant, brushed stainless steel interior
- 2 Multi-position shelves
- Suitable for continuous operation
- Hard wearing, zinc coated & stoved epoxy polyester coated exterior



LHT 6/30 with 301 controller option

Options (specify these at time of order)

- A range of sophisticated digital controllers, multi-segment programmers and data loggers is available. These can be fitted with RS232, RS485 or Ethernet communications (see pages 106–111)
- Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- Viewing window
- Cable entry port
- Variable speed fan
- Floor stands & stacking frame with vent
- Routine spares kit
- Air exhaust fan (may alter achievable uniformity)
- Door interlock activated by temperature alarm relay (3216, CC-T1, 3508 or nanodac) or program segment output (CC-T1, 3508 or nanodac)

NEW Heavy duty options

Model	Reinforced base	Heavy duty shelves	
	Max. weight [kg]	Max. quantity	Max. weight / shelf [kg]
LHT 30	40	2	20
LHT 60	60	3	20
LHT 120	80	3	25

Please note: Reinforced base, shelf runners and shelves supplied as a package

Technical data

CGH Model	Max. temp. [°C]	Temp. stability [°C]	Temperature uniformity [°C]	Heat-up time [mins]	Recovery time [mins]	Dimensions: Internal H x W x D [mm]	Dimensions: External H x W x D [mm]	Shelves fitted / accepted	Shelf loading each / total [kg]	Volume [litres]	Max. power [W]	Weight [kg]
LHT 4/30	400	±0.5	±5.0 @ 250°C	50	10	300 x 300 x 305	570 x 860 x 550	2	10 / 20	30	1000	73
LHT 4/60	400	±0.5	±5.0 @ 250°C	–	16	400 x 400 x 405	670 x 930 x 670	2 / 3	15 / 30	60	1500	99
LHT 4/120	400	±0.5	±5.0 @ 250°C	–	20	645 x 455 x 405	920 x 1060 x 670	2 / 4	15 / 40	120	2250	137
LHT 5/30	500	±0.5	±5.0 @ 250°C	–	10	300 x 300 x 305	570 x 860 x 550	2	10 / 20	30	2000	73
LHT 5/60	500	±0.5	±5.0 @ 250°C	50	16	400 x 400 x 405	670 x 930 x 670	2 / 3	15 / 30	60	2250	99
LHT 5/120	500	±0.5	±5.0 @ 250°C	–	20	645 x 455 x 405	920 x 1060 x 670	2 / 4	15 / 40	120	3000	137
LHT 6/30	600	±0.5	±5.0 @ 250°C	70	10	300 x 300 x 305	570 x 860 x 550	2	10 / 20	30	2000	73
LHT 6/60	600	±0.5	±5.0 @ 250°C	–	10*	400 x 400 x 405	670 x 930 x 670	2 / 3	15 / 30	60	2250	99
LHT 6/120	600	±0.5	±5.0 @ 250°C	–	–	645 x 455 x 405	920 x 1060 x 670	2 / 4	15 / 40	120	3000	137



Please note:

– Minimum operating temperature approximately ambient plus 60 °C

*Recovery to 500 °C setpoint

– External dimensions with door closed

– The uniform volume is smaller than the total chamber volume

– Maximum power and heat up time based on a 240 V supply