



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	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



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.