



LHT - High Temperature Bench Top Ovens

General Information

The LHT laboratory high temperature ovens comprise 3 sizes of bench mounted ovens, each available with maximum operating temperatures of 400°C, 500°C and 600°C.

These models offer the high temperatures that are more typical of an industrial oven in a design that is compact enough to fit onto a laboratory bench.



Standard Features

- 400°C, 500°C or 600°C maximum operating temperatures
- 30, 60 or 120 litres chamber volumes
- R38 PID controller
- Heavy duty convection fan for good uniformity
- low thermal mass insulation for high energy efficiency
- Corrosion resistant, brushed stainless steel interior
- 2 Multi-position shelves
- Suitable for continuous operation
- Double skin construction ensures safe outer case temperature
- Hard wearing, zinc coated & stoved epoxy polyester coated exterior

Options

- Cable entry ports
- Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- A range of sophisticated digital controllers, multi-segment programmers and data loggers is available. These can be fitted with RS232, RS485 or Ethernet communications
- Viewing window (not compatible with stoving & curing option)
- Interior light (not compatible with stoving & curing option)
- Stoving & curing options for extraction of small volumes of volatile solvents (not compatible with viewing window option)
- Variable speed fan
- Floor stands & stacking frames
- Routine spares kit
- Air exhaust fan (may alter achievable uniformity)

Technical Specifications



LHT - High Temperature Bench Top Ovens

LHT 4/30

Max temp (°C)	400
Min temp (°C)	Ambient +60
Volume (litres)	30
Temp stability (°C)	±0.5
Temp uniformity (°C)	±5.0 @ 250°C
Heat-up time (mins)	50
Recovery time (mins)	10
Dimensions: Internal H x W x D (mm)	300 x 300 x 305
Dimensions: External H x W x D (mm)	570 x 860 x 550
Shelves fitted / accepted	2
Max power (W)	1000
Weight (kg)	73

LHT 4/60

Max temp (°C)	400
Min temp (°C)	Ambient +60
Volume (litres)	60
Temp stability (°C)	±0.5
Temp uniformity (°C)	±5.0 @ 250°C
Heat-up time (mins)	
Recovery time (mins)	16
Dimensions: Internal H x W x D (mm)	400 x 400 x 405
Dimensions: External H x W x D (mm)	670 x 930 x 670
Shelves fitted / accepted	2 / 3
Max power (W)	1500
Weight (kg)	99

LHT 4/120

Max temp (°C)	400
Min temp (°C)	Ambient +60
Volume (litres)	120
Temp stability (°C)	±0.5
Temp uniformity (°C)	±5.0 @ 250°C
Heat-up time (mins)	
Recovery time (mins)	20
Dimensions: Internal H x W x D (mm)	645 x 455 x 405



LHT - High Temperature Bench Top Ovens

Dimensions:	920 x 1060 x 650
External H x W x D (mm)	
Shelves fitted / accepted	2 / 4
Max power (W)	2250
Weight (kg)	179

LHT 5/30

Max temp (°C)	500
Min temp (°C)	Ambient +60
Volume (litres)	30
Temp stability (°C)	±0.5
Temp uniformity (°C)	±5.0 @ 250°C
Heat-up time (mins)	
Recovery time (mins)	10
Dimensions:	300 x 300 x 305
Internal H x W x D (mm)	
Dimensions:	570 x 860 x 550
External H x W x D (mm)	
Shelves fitted / accepted	2
Max power (W)	2000
Weight (kg)	73

LHT 5/60

Max temp (°C)	500
Min temp (°C)	Ambient +60
Volume (litres)	60
Temp stability (°C)	±0.5
Temp uniformity (°C)	±5.0 @ 250°C
Heat-up time (mins)	50
Recovery time (mins)	16
Dimensions:	400 x 400 x 405
Internal H x W x D (mm)	
Dimensions:	670 x 930 x 670
External H x W x D (mm)	
Shelves fitted / accepted	2 / 3
Max power (W)	2250
Weight (kg)	99



LHT - High Temperature Bench Top Ovens

LHT 5/120

Max temp (°C)	500
Min temp (°C)	Ambient +60
Volume (litres)	120
Temp stability (°C)	±0.5
Temp uniformity (°C)	±5.0 @ 250°C
Heat-up time (mins)	
Recovery time (mins)	20
Dimensions: Internal H x W x D (mm)	645 x 455 x 405
Dimensions: External H x W x D (mm)	920 x 1060 x 650
Shelves fitted / accepted	2 / 4
Max power (W)	3000
Weight (kg)	179

LHT 6/30

Max temp (°C)	600
Min temp (°C)	Ambient +60
Volume (litres)	30
Temp stability (°C)	±0.5
Temp uniformity (°C)	±5.0 @ 250°C
Heat-up time (mins)	70
Recovery time (mins)	10
Dimensions: Internal H x W x D (mm)	300 x 300 x 305
Dimensions: External H x W x D (mm)	570 x 860 x 550
Shelves fitted / accepted	2
Max power (W)	2000
Weight (kg)	73

LHT 6/60

Max temp (°C)	600
Min temp (°C)	Ambient +60
Volume (litres)	60
Temp stability (°C)	±0.5
Temp uniformity (°C)	±5.0 @ 250°C
Heat-up time (mins)	
Recovery time (mins)	10□
Dimensions: Internal H x W x D (mm)	400 x 400 x 405



LHT - High Temperature Bench Top Ovens

Dimensions:	670 x 930 x 670
External H x W x D (mm)	
Shelves fitted / accepted	2 / 3
Max power (W)	2250
Weight (kg)	99

LHT 6/120

Max temp (°C)	600
Min temp (°C)	Ambient +60
Volume (litres)	120
Temp stability (°C)	±0.5
Temp uniformity (°C)	±5.0 @ 250°C
Heat-up time (mins)	
Recovery time (mins)	
Dimensions:	645 x 455 x 405
Internal H x W x D (mm)	
Dimensions:	920 x 1060 x 650
External H x W x D (mm)	
Shelves fitted / accepted	2 / 4
Max power (W)	3000
Weight (kg)	179

Please note:

- 3 phase (uses 2 phases & neutral of 380/220V □ 415/240V supply)
- □ Recovery to 500°C set-point
- The uniform volume is smaller than the total chamber volume
- Stoving and curing option will reduce achievable temperature uniformity