

High Temperature Laboratory Oven - LHT

General Information

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

Standard features

- 400 °C, 500 °C or 600 °C maximum operating temperatures
- 30, 60 & 120 litre capacities
- R38 PID controller
- 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



Options (specify these at time of order)

- 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
- Variable speed fan
- Floor stands & stacking frames
- Routine spares kit
- Air exhaust fan (may alter achievable uniformity)
- Heavy duty reinforced base and shelves

Technical Specifications

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

High Temperature Laboratory Oven - LHT

Shelves fitted / accepted	2
Shelf loading each / total (kg)	10 / 20
Optional heavy duty reinforced base max. weight (kg)	40
Optional heavy duty shelves max. quantity	2
Optional heavy duty shelves max. weight / shelf (kg)	20
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
Shelf loading each / total (kg)	15 / 30
Optional heavy duty reinforced base max. weight (kg)	60
Optional heavy duty shelves max. quantity	3
Optional heavy duty shelves max. weight / shelf (kg)	20
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

High Temperature Laboratory Oven - LHT

Dimensions:	920 x 1060 x 670
External H x W x D (mm)	
Shelves fitted / accepted	2 / 4
Shelf loading each / total (kg)	15 / 40
Optional heavy duty reinforced base max. weight (kg)	80
Optional heavy duty shelves max. quantity	3
Optional heavy duty shelves max. weight / shelf (kg)	25
Max power (W)	2250
Weight (kg)	137

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
Shelf loading each / total (kg)	10 / 20
Optional heavy duty reinforced base max. weight (kg)	40
Optional heavy duty shelves max. quantity	2
Optional heavy duty shelves max. weight / shelf (kg)	20
Max power (W)	2000
Weight (kg)	73

High Temperature Laboratory Oven - LHT

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: 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
Shelf loading each / total (kg)	15 / 30
Optional heavy duty reinforced base max. weight (kg)	60
Optional heavy duty shelves max. quantity	3
Optional heavy duty shelves max. weight / shelf (kg)	20
Max power (W)	2250
Weight (kg)	99

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 670
Shelves fitted / accepted	2 / 4
Shelf loading each / total (kg)	15 / 40
Optional heavy duty reinforced base max. weight (kg)	80
Optional heavy duty shelves max. quantity	3
Optional heavy duty shelves max. weight / shelf (kg)	25

High Temperature Laboratory Oven - LHT

Max power (W)	3000
Weight (kg)	137

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
Shelf loading each / total (kg)	10 / 20
Optional heavy duty reinforced base max. weight (kg)	40
Optional heavy duty shelves max. quantity	2
Optional heavy duty shelves max. weight / shelf (kg)	20
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
Dimensions: External H x W x D (mm)	670 x 930 x 670
Shelves fitted / accepted	2 / 3
Shelf loading each / total (kg)	15 / 30
Optional heavy duty reinforced base max. weight (kg)	60
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High Temperature Laboratory Oven - LHT

Optional heavy duty shelves max. weight / shelf (kg)	20
Max power (W)	2250
Weight (kg)	99

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Max temp (°C)	600
Min temp (°C)	Ambient +60
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Max power (W)	3000
Weight (kg)	137

Please note:

- *Recovery to 500°C set-point
- The uniform volume is smaller than the total chamber volume
- Maximum power and heat up times based on a 240V supply