



HIGH TEMPERATURE LABORATORY OVEN - LHT

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)

- | A range of sophisticated digital controllers, multisegment programmers and data loggers with digital communication options is available - more information about controllers
- | Cable entry ports
- | Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- | Viewing window
- | Variable speed fan
- | Floor stands & stacking frames with vent
- | Routine spares kit
- | Air exhaust fan (may alter achievable uniformity)
- | Heavy duty reinforced base and shelves

"We are extremely happy with our recent LHT oven purchase from Carbolite. In particular, our in-house operators find the touch-screen interface of the controller very user friendly and the oven itself is far more compact than our previous solution. I was impressed with the entire sales process having initially thought that we needed a larger oven to accommodate an increased number of items.

However, as soon as we had briefed your sales specialist on our process, he directed us to this model. While he acknowledged that he could upsell us to a larger oven chamber he could see no advantages in doing so and this 600°C model with 60 litre capacity is perfect for our day-to-day needs. His expertise and guidance proved very cost effective as we now have an outstanding product which is ideally suited to our work."

Marcus Smith - Managing Director, RLS Tooling UK

TECHNICAL DETAILS (MODELS)

	LHT 4/30	LHT 4/60	LHT 4/120
Max temp (°C)	400	400	400
Min temp (°C)	Ambient +60	Ambient +60	Ambient +60
Temp stability (°C)	±0.5	±0.5	±0.5
Temp uniformity (°C)	±5.0 @ 250°C	±5.0 @ 250°C	±5.0 @ 250°C
Heat-up time (mins)	50	--	--
Recovery time (mins)	10	16	20
Dimensions:			
Internal H x W x D (mm)	300 x 300 x 305	400 x 400 x 405	645 x 455 x 405
Dimensions:			
External H x W x D (mm)	570 x 860 x 550	670 x 930 x 670	920 x 1060 x 670
Shelves fitted / accepted	2	2 / 3	2 / 4
Shelf loading each / total (kg)	10 / 20	15 / 30	15 / 40
Optional heavy duty reinforced base max. weight (kg)	40	60	80
Optional heavy duty shelves max. quantity	2	3	3
Optional heavy duty shelves max. weight / shelf (kg)	20	20	25
Volume (litres)	30	60	120
Max power (W)	1000	1500	2250
Weight (kg)	73	99	137

	LHT 5/30	LHT 5/60	LHT 5/120
Max temp (°C)	500	500	500
Min temp (°C)	Ambient +60	Ambient +60	Ambient +60
Temp stability (°C)	±0.5	±0.5	±0.5
Temp uniformity (°C)	±5.0 @ 250°C	±5.0 @ 250°C	±5.0 @ 250°C
Heat-up time (mins)	--	50	--
Recovery time (mins)	10	16	20
Dimensions:			
Internal H x W x D (mm)	300 x 300 x 305	400 x 400 x 405	645 x 455 x 405
Dimensions:			
External H x W x D (mm)	570 x 860 x 550	670 x 930 x 670	920 x 1060 x 670
Shelves fitted / accepted	2	2 / 3	2 / 4
Shelf loading each / total (kg)	10 / 20	15 / 30	15 / 40
Optional heavy duty reinforced base max. weight (kg)	40	60	80
Optional heavy duty shelves max. quantity	2	3	3
Optional heavy duty shelves max. weight / shelf (kg)	20	20	25
Volume (litres)	30	60	120
Max power (W)	2000	2250	3000
Weight (kg)	73	99	137

	LHT 6/30	LHT 6/60	LHT 6/120
Max temp (°C)	600	600	600
Min temp (°C)	Ambient +60	Ambient +60	Ambient +60
Temp stability (°C)	±0.5	±0.5	±0.5
Temp uniformity (°C)	±5.0 @ 250°C	±5.0 @ 250°C	±5.0 @ 250°C
Heat-up time (mins)	70	--	--
Recovery time (mins)	10	10*	--
Dimensions:			
Internal H x W x D (mm)	300 x 300 x 305	400 x 400 x 405	645 x 455 x 405
Dimensions:			
External H x W x D (mm)	570 x 860 x 550	670 x 930 x 670	920 x 1060 x 670
Shelves fitted / accepted	2	2 / 3	2 / 4
Shelf loading each / total (kg)	10 / 20	15 / 30	15 / 40
Optional heavy duty reinforced base max. weight (kg)	40	60	80
Optional heavy duty shelves max. quantity	2	3	3
Optional heavy duty shelves max. weight / shelf (kg)	20	20	25
Volume (litres)	30	60	120
Max power (W)	2000	2250	3000
Weight (kg)	73	99	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

www.carbolite.com/lht