



HIGH TEMPERATURE INDUSTRIAL OVEN

HT

carbolite.com/products/ovens/industrial-ovens/ht-high-temperature-industrial-ovens/

HT

HIGH TEMPERATURE INDUSTRIAL OVEN

The HT high temperature ovens are manufactured in 4 standard chamber sizes with maximum operating temperatures of 400°C, 500°C, 600°C and 700°C.

Their robust construction incorporates heavy duty hinges, door catches and shelving systems.

This range also provides a foundation upon which a wide range of custom modifications can be added. Typical examples of which are the more sophisticated control systems and data recording that is required for applications such as AMS 2750F heat treatment under Nadcap, or modifications to handle heavier loads or assist in loading and unloading the oven, or simply larger chamber sizes than are offered in the standard range.



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STANDARD FEATURES

- | 400°C, 500°C, 600°C or 700°C maximum operating temperatures
- | 28, 95, 220 or 350 litre capacity
- | Carbolite 301 controller, with single ramp to set-point and process timer
- | Robust construction
- | Excellent performance & reliability
- | Stainless steel liner
- | Stainless steel perforated shelves
- | Door switch

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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: carbolite.com/products/control-options/
- | Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- | Additional shelves
- | Heavy duty reinforced base and shelves
- | Viewing window (not compatible with stoving & curing option)
- | Stoving & curing option for extraction of small volumes of volatile solvents; increases the maximum power by 1500 W (not compatible with viewing window option)

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TECHNICAL DATA

HT4 / 400°C

Specification	HT4/95	HT4/220	HT4/350
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	±5.0	±5.0
Heat-up time (mins)	60	60	60
Recovery time (mins)	10	10	10
Dimensions: Internal H x W x D (mm)	455 x 455 x 455	610 x 610 x 610	700 x 700 x 700
Dimensions: External H x W x D (mm)	1010 x 880 x 1120	1160 x 1030 x 1280	1775 x 1750 x 1200
Shelves fitted / accepted	3 / 4	3 / 4	3 / 3
Shelf loading each / total (kg)	15 / 30	25 / 50	25 / 50
Optional heavy duty reinforced base max. weight (kg)	100	150	250
Optional heavy duty shelves max. quantity	3	4	4
Optional heavy duty shelves max. weight / shelf (kg)	25	50	60
Volume (litres)	94	227	343
Max power (W)	3000	4000	6000

HT5 / 500°C

Specification	HT5/95	HT5/220	HT5/350
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	±5.0	±5.0
Heat-up time (mins)	60	60	60
Recovery time (mins)	16	16	16
Dimensions: Internal H x W x D (mm)	455 x 455 x 455	610 x 610 x 610	700 x 700 x 700
Dimensions: External H x W x D (mm)	1010 x 880 x 1120	1160 x 1030 x 1280	1775 x 1750 x 1200
Shelves fitted / accepted	3 / 4	3 / 4	3 / 3
Shelf loading each / total (kg)	15 / 30	25 / 50	25 / 50
Optional heavy duty reinforced base max. weight (kg)	100	150	250
Optional heavy duty shelves max. quantity	3	4	4
Optional heavy duty shelves max. weight / shelf (kg)	25	50	60
Volume (litres)	94	227	343
Max power (W)	4500	6000	7500

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TECHNICAL DATA • CONTINUED

HT6 / 600°C

Specification	HT6/95	HT6/220	HT6/350
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	±5.0	±5.0
Heat-up time (mins)	70	90	90
Recovery time (mins)	20	20	20
Dimensions: Internal H x W x D (mm)	455 x 455 x 455	610 x 610 x 610	700 x 700 x 700
Dimensions: External H x W x D (mm)	1010 x 880 x 1120	1160 x 1030 x 1280	1775 x 1750 x 1200
Shelves fitted / accepted	3 / 4	3 / 4	3 / 3
Shelf loading each / total (kg)	15 / 30	25 / 50	25 / 50
Optional heavy duty reinforced base max. weight (kg)	100	150	250
Optional heavy duty shelves max. quantity	3	4	4
Optional heavy duty shelves max. weight / shelf (kg)	25	50	60
Volume (litres)	94	227	343
Max power (W)	4500	6000	9000

HT7 / 700°C

Specification	HT7/95	HT7/220
Max temp (°C)	700	700
Min temp (°C)	Ambient +60	Ambient +60
Temp stability (°C)	±0.5	±0.5
Temp uniformity (°C)	±5.0	±5.0
Heat-up time (mins)	95	120
Recovery time (mins)	24	24
Dimensions: Internal H x W x D (mm)	455 x 455 x 455	610 x 610 x 610
Dimensions: External H x W x D (mm)	1185 x 1005 x 1165	1185 x 1080 x 1280
Shelves fitted / accepted	3 / 4	3 / 4
Shelf loading each / total (kg)	10 / 30	15 / 45
Optional heavy duty reinforced base max. weight (kg)	100	150
Optional heavy duty shelves max. quantity	3	4
Optional heavy duty shelves max. weight / shelf (kg)	25	50
Volume (litres)	94	227
Max power (W)	6000	10000

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