CARBOLITE®
a VERDER company



LARGE GENERAL PURPOSE INDUSTRIAL OVEN

LGP

www.carbolite.com/products/ovens/industrial-ovens/lgp-large-general-purpose-ovens/

LGP

LARGE GENERAL PURPOSE INDUSTRIAL OVEN

The LGP large general purpose ovens offer the greatest choice of options in size and maximum temperature. The range spans from 500 to more than 1750 litres, with a temperature span from 425 °C to 700 °C.

The LGP range is often customised in order to precisely meet the user's requirements.

Typical examples of which are the more sophisticated control systems and data recording that is required for applications such as AMS 2750H 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.



LGP

STANDARD FEATURES

- 425°C, 625°C or 700°C maximum operating temperatures
- 500 to 1750 litre chamber volumes
- PID digital set and display using the 3216CC controller
- Over-temperature protection
- Large capacity, rugged well proven designs
- Robust construction, for heavy duty cycles
- Efficient air circulation and excellent temperature uniformity from heavy duty impellers
- Corrosion resistant ferritic grade 430 stainless steel interior
- Steel section & zinc coated, painted mild steel exterior
- Single & double door models
- Shelf runners on models up to 1000 litres (optional on models up to 1750 litres)
- Low thermal mass insulation for high energy efficiency
- Fully adjustable chamber ventilation
- Ethernet communications

LGP

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: www.carbolite.com/products/control-options/
- Bespoke specifications are available for AMS2750H (Nadcap) compliant applications
- Access ports for cables & pipes
- Exhaust proving switch
- Manual or motorised vertically opening doors
- Vertical airflow impellers
- Explosion relief panels
- Interior light (subject to temperature limitations)
- Standard or heavy duty shelves
- A wide range of sample loading & handling accessories can also be supplied

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TECHNICAL DATA

425 °C MODELS

Specification	LGP 4/500	LGP 4/1000	LGP 4/1750
Max temp (°C)	425	425	425
Min temp (°C)	Ambient +35	Ambient +35	Ambient +35
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)	60	60	60
Dimensions: Internal H x W x D (mm)	800 x 800 x 800	1000 x 1000 x 1000	1200 x 1200 x 1200
Dimensions: External H x W x D (mm)	1450 x 1820 x 1520	1650 x 2020 x 1720	1850 x 2820 x 1920
Doors	Single door	Single door	Single door
Shelves fitted / accepted	0 / 4 (shelf runners supplied - shelves available at extra cost)	0 / 4 (shelf runners supplied - shelves available at extra cost)	0 / 5 (shelf runners and shelves available at extra cost)
Shelf loading each / total (kg)	50 / 200	50 / 200	50 / 250
Volume (litres)	500	1000	1750
Weight (kg)	--	--	--
Max power (W)	9000	18000	24000

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TECHNICAL DATA

625 °C MODELS

Specification	LGP 6/500	LGP 6/1000	LGP 6/1750
Max temp (°C)	625	625	625
Min temp (°C)	Ambient +35	Ambient +35	Ambient +35
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)	75	75	75
Dimensions: Internal H x W x D (mm)	800 x 800 x 800	1000 x 1000 x 1000	1200 x 1200 x 1200
Dimensions: External H x W x D (mm)	1450 x 1820 x 1520	1650 x 2020 x 1720	1850 x 2820 x 1920
Doors	Single door	Single door	Single door
Shelves fitted / accepted	0 / 4 (shelf runners supplied - shelves available at extra cost)	0 / 4 (shelf runners supplied - shelves available at extra cost)	0 / 5 (shelf runners and shelves available at extra cost)
Shelf loading each / total (kg)	50 / 200	50 / 200	50 / 250
Volume (litres)	500	1000	1750
Weight (kg)	--	--	--
Max power (W)	13500	24000	36000

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CONTACT US

www.carbolite.com/contact-services/contact-form/?prefilltext=contact_form.request&product=C-1-IBO-C

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