



OV/650

## Ovens

### Ovens, general purpose

The GENLAB general purpose ovens offer a range of highly efficient, reliable, cost effective units to suit most drying, sterilising and general laboratory applications

This comprehensive range of models includes:

- Natural convection or fan circulation
- Two types of chamber material
- Thermostat or microprocessor control

The exterior is constructed from sheet steel finished in an easy clean powder coated paint. The interior chamber is made from aluminium coated mild steel with stainless steel available as an option.

The control system comprises a direct easy-read thermostat and independent overheat thermostat both with calibrated scales and tamper proof locks.

Options include a PID Microprocessor Controller with dual displays of set point and actual temperature, which are auto-tuned for each individual unit to optimise the heat up, overshoot and control of temperature.

All units have a two year warranty and are CE compliant.

The following options are available on request:-

- Stainless steel finish
- Fan circulation\*
- Digital control
- LED display

#### Technical specifications

Temperature range: 40 to 250°C

Fluctuation  $\pm 0.75^\circ\text{C}$

Cat No.	Code	Cap. (litres)	Int. dim's (HxWxDmm)	Ext. dim's (HxWxDcm)	Shelves	POA
Vertical style						
OV/65002	MINO/6	6	150x230x190	39x32x32	1	
OV/65004	MINO/18	18	260x260x270	50x36x40	2	
OV/65006	MINO/30	30	240x360x350	50x48x62	2	
OV/65008	MINO/40	40	320x360x350	58x45x62	2	
OV/65010	MINO/50	50	330x490x330	59x61x59	2	
OV/65012	MINO/75	75	330x490x450	59x61x72	2	
Horizontal style						
OV/65112	OV/75	75	420x530x350	56x85x50	2	
OV/65114	OV/100	100	420x530x460	56x85x61	3	
OV/65116	OV/125	125	520x530x460	66x85x61	3	
OV/65118	OV/150	150	520x530x540	66x85x69	3	
OV/65120	OV/200/F*	200	750x490x540	86x85x69	4	

\*200 litre size fitted with fan as standard.

Please note that some large items may incur a delivery charge. Please ask for details at time of ordering

This is a sample of the ovens available. Please visit [www.gandn.com](http://www.gandn.com) for further models.



## Ovens, Peak series

The Carbolite Peak range of ovens are bench-mounted with a maximum temperature of 300°C and chamber capacities of 30 to 200 litres. Digital PID controller as standard.

This range of ovens provides a combination of excellent performance and reliability. Both natural convection and fan assisted air circulation models are available. All aspects of design, from materials of construction to heating elements, have been optimised to ensure economical operation and rapid performance.

Various options are available to tailor the unit specifically to the application.

- Temperature range (ambient +10°C) up to 300°C
- Polished stainless steel lining
- Adjustable air flow vent
- Choice of natural convection or fan assisted air circulation

Options available at additional cost: -

- Multi segment programmer
- Cable port entry
- Viewing window in door
- Interior light
- Stoving & curing option for processes involving flammable vapours
- Exhaust fan
- Variable speed exhaust & internal fan (PF models only)
- Sealed inner chamber for use with inert gases
- Flow meter & needle valve

Please specify any required options at time of ordering.



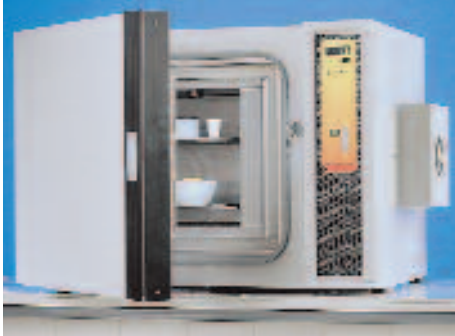
OV/350

Technical specification				
Natural convection air circulation models				
	PN30	PN60	PN120	PN200
Fan assisted air circulation models				
	PF30	PF60	PF120	PF200
Temperature range	40°C ~ 300°C			
Volume (litres)	30	60	120	200
Heat up time (to 300°C)	52 mins	52 mins	52 mins	58 mins
Dimensions, w x d x h (mm)				
Internal	292x320x255	392x420x350	492x520x450	592x520x700
External	655x470x470	765x570x570	865x670x670	965x670x920
No of shelves	2	2	2	2
Power supply	220-240V 50Hz			
Maximum power	1000W	1500W	2000W	2700W
Weight	30 kg	45 kg	60 kg	75 kg

Cat. No	Code	Description	POA
OV/35002	PN30	Oven, 30 L	
OV/35004	PF30	Oven with fan, 30 L	
OV/35006	PN60	Oven, 60 L	
OV/35008	PF60	Oven with fan, 60 L	
OV/35010	PN120	Oven, 120 L	
OV/35012	PF120	Oven with fan, 120 L	
OV/35014	PN200	Oven, 200 L	
OV/35016	PF200	Oven with fan, 200 L	

Please note that some large items may incur a delivery charge. Please ask for details at time of ordering

This is a sample of the ovens available. Please visit [www.gandn.com](http://www.gandn.com) for further models.



OV/35

## Ovens, high temperature

The Carbolite laboratory high temperature (LHT) range of ovens are bench-mounted with maximum temperatures of 400, 500 & 600°C and chamber capacities of 30 to 120 litres. This range of ovens provides an extra range of maximum temperatures up to 600°C and a combination of excellent performance and reliability. All models are fitted with a heavy duty fan for air circulation. This design combines high performance insulation and steel construction materials with heating elements that have been optimised to ensure economical operation and rapid performance.

- Temperature range (ambient +10°C) up to 400, 500 or 600°C
- Stainless steel lining
- Digital PID controller

Options available at additional cost: -

- Multi segment programmer

Cat No.	Code	Description	POA
OV/35034	LHT4/30/301	Oven, 30litre max temp. 400°C	
OV/35035	LHT5/30/301	Oven, 30litre max temp. 500°C	
OV/35036	LHT6/30/301	Oven, 30litre max temp. 600°C	
OV/35064	LHT4/60/301	Oven, 60litre max temp. 400°C	
OV/35065	LHT5/60/301	Oven, 60litre max temp. 500°C	
OV/35066	LHT6/60/301	Oven, 60litre max temp. 600°C	
OV/35124	LHT4/120/301	Oven, 120litre max temp. 400°C	
OV/35125	LHT5/120/301	Oven, 120litre max temp. 500°C	
OV/35126	LHT6/120/301	Oven, 120litre max temp. 600°C	

Please note that some large items  
may incur a delivery charge.  
Please ask for details at time of ordering

## Ovens, APEX range



The Carbolite Apex range of ovens are bench-mounted with a maximum temperature of 250°C and chamber capacities of 30 to 120 litres.

This range of ovens provides a combination of excellent performance and reliability. All models have fan assisted air circulation and digital PID controller as standard. All aspects of design, from materials of construction to heating elements, have been optimised to ensure economical operation and rapid performance at reasonable prices.

- Temperature range (ambient +10°C) up to 250°C
- Polished stainless steel lining
- Adjustable air flow vent
- Digital PID controller

Technical specification			
Fan assisted air circulation models			
	AX30	AX60	AX120
Temperature range		40°C ~ 250°C	
Volume (litres)	30	60	120
Heat up time (to 300°C)	23 mins	25 mins	26 mins
Dimensions, w x d x h (mm)			
Internal:	300 x 320 x 295	400 x 420 x 395	500 x 520 x 495
External:	590 x 465 x 440	690 x 565 x 540	790 x 665 x 640
No of shelves	2	2	2
Power supply	220-240V 50Hz		
Maximum power	1000W	1500W	2000W
Weight	24 kg	37 kg	55 kg

Cat No.	Code	Description	POA
OV/35130	AX30	Oven 30 litre	
OV/35160	AX60	Oven 60 litre	
OV/35120	AX120	Oven 120 litre	

## Ovens, large capacity multi-purpose

These large capacity multipurpose ovens offer a unique range of highly efficient, reliable and accurate units suitable for much larger applications in drying, curing, general laboratory and industrial uses.

### Design

The exterior is constructed from sheet steel finished in an easy clean powder coated paint. The interior chamber is made from mild steel coated with aluminium (CLAD) with a stainless steel chamber available as an option.

Fitted with fixed shelf runners and removable chrome plated wire grid shelves.

The vertical style units are fitted with single doors, the horizontal style units are fitted with double doors.

### Heating

Heated by Incoloy sheathed elements positioned in the base fan duct for units up to 650 litres and in the side fan duct on units over 650 litres.

### Controls

All Units have as standard a PID Microprocessor Controller, with dual displays of set point and actual temperature that are auto-tuned to each individual unit to optimise the heat up, overshoot and control of temperature.

Cat No.	Code	Description	POA
OV/65122	LCO/9H	Large capacity oven, horizontal, 250L	
OV/65124	LCO/12H	Large capacity oven, horizontal, 350L	
OV/65126	LCO/15H	Large capacity oven, horizontal, 425L	
OV/65128	LCO/18H	Large capacity oven, horizontal, 500L	
OV/65130	LCO/22H	Large capacity oven, horizontal, 650L	
OV/65132	LCO/27H	Large capacity oven, horizontal, 750L	
OV/65134	LCO/30H	Large capacity oven, horizontal, 850L	
OV/65136	LCO/35H	Large capacity oven, horizontal, 1000L	
OV/65138	LCO/42H	Large capacity oven, horizontal, 1250L	
OV/65022	LCO/9V	Large capacity oven, vertical, 250L	
OV/65024	LCO/12V	Large capacity oven, vertical, 350L	
OV/65026	LCO/15V	Large capacity oven, vertical, 425L	
OV/65028	LCO/18V	Large capacity oven, vertical, 500L	
OV/65030	LCO/22V	Large capacity oven, vertical, 650L	
OV/65032	LCO/27V	Large capacity oven, vertical, 750L	
OV/65034	LCO/30V	Large capacity oven, vertical, 850L	
OV/65036	LCO/35V	Large capacity oven, vertical, 1000L	



OV/351



OV/65

Please note that some large items may incur a delivery charge. Please ask for details at time of ordering