

Standard features

- ✓ Designed for operation within Class 100 environments (US FED STD 209E).
- ✓ 250°C maximum operating temperature.
- ✓ 30 to 1790* litre chamber volumes (*custom build).
- ✓ Fully sealed low thermal mass insulation to avoid shedding fibres.
- ✓ Fully enclosed brushless fan motor.
- ✓ Carbolite 301 controller, with single ramp to set-point facility.
- ✓ Smooth easily cleaned gloss epoxy exterior.
- ✓ Polished stainless steel sealed interior enables use of inert gas atmosphere.
- ✓ Perforated stainless steel shelves.
- ✓ Particle free silicone rubber door seal.
- ✓ Membrane control panel with clear bright LED display.
- ✓ Double skin construction for cool safe outer case temperature.
- ✓ Fully adjustable chamber ventilation.



CR/70 & CR/30

All sources of particulate contamination are fully sealed. The sealed stainless steel interior and gloss white epoxy finish make the ovens easily cleaned.

Options

specify these at time of order

- ✦ Over-temperature protection to DIN 12-880 class 2 (recommended to protect valuable contents & for unattended operation).
- ✦ HEPA filtered airflow available.
- ✦ Digital process control timers & multi segment programmers available.
- ✦ Paperless DAQ (Data Acquisition) graphical recorders available.
- ✦ Top access port for independent thermocouple.

- ✦ Cable access port.
- ✦ Viewing window door.
- ✦ Through door illumination system.
- ✦ Stacking frame to enable units to be stacked one upon another.
- ✦ Key-lock door.
- ✦ Door switch to cut off power when the door is open.
- ✦ Fully customised through wall (flange fitted) designs are available.

Model	Max temp (°C)	Temp stability (°C)	Temp uniformity (°C) @250°C	Heat-up time to max (mins)	Recovery time to max (mins)	Dimensions		Shelves fitted/accepted	Shelf loading Each/total (kg)	Volume (litres)	Max power (W)	Power supply
						Internal H x W x D (mm)	External H x W x D (mm)					
CR/30	250	±0.2	±3.0	35	4	310 x 310 x 310	655 x 460 x 670	2 / 3	10 20	30	1000	230V Single phase
CR/70	250	±0.2	±3.0	35	4	310 x 470 x 470	655 x 620 x 820	2 / 5	10 30	68	1500	230V Single phase
CR/130	250	±0.2	±4.0	35	4	550 x 470 x 470	895 x 620 x 820	3 / 9	10 40	121	2000	230V Single phase
CR/180	250	±0.2	±5.0	58	5	770 x 470 x 470	1115 x 620 x 820	3 / 15	10 50	170	2500	230V Single phase
CR/220	250	±0.2	±5.0	75	4	610 x 610 x 610	1130 x 780 x 850	3 / 5	15 45	227	3000	Single phase
CR/330	250	±0.2	±5.0	80	6	915 x 610 x 610	1440 x 780 x 850	4 / 8	15 60	340	4500	Single phase or 3 phase
CR/450	250	±0.3	±5.0	75	9	1220 x 610 x 610	1750 x 780 x 850	5 / 11	15 75	450	6000	3 phase
CR/840	250	±0.3	±5.0	—	—	1525 x 915 x 610	2050 x 1065 x 850	6	15 —	850	12000	3 phase
CR/1790	250	±0.3	±5.0	—	—	1220 x 1220 x 1220	1750 x 1420 x 1450	5	15 —	1810	18000	3 phase



Minimum operating temperature approximately ambient plus 20°C

Uniformity values are measured in an empty chamber, with vents closed after a stabilisation period

Shelf loadings are based on evenly distributed weight



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.