



Large Capacity Ovens



Product Codes ..

LCO/250H/TDIG, LCO/350H/TDIG, LCO/425H/TDIG, LCO/500H/TDIG, LCO/650H/TDIG, LCO/750H/TDIG, LCO/850H/TDIG, LCO/1000H/TDIG, LCO/1250H/TDIG

LCO/250V/TDIG, LCO/350V/TDIG, LCO/425V/TDIG, LCO/500V/TDIG, LCO/650V/TDIG, LCO/750V/TDIG, LCO/850V/TDIG, LCO/1000V/TDIG

Temperature Specifications

Working Range	50°C to 250°C
Accuracy	< 0.8°C
Resolution	0.1°C
Temperature Sensor	Duplex Pt100B 2+2 wire
Display	°C or °F

Model	Stability@150°C (+/-°C)	Uniformity @150°C (+/-°C)	Heat Up Time* (Mins)	Recovery Time* * (Mins)
LCO/250H	0.7	4.5	40	5
LCO/350H	0.7	4.5	40	5
LCO/425H	0.7	4.5	45	6
LCO/500H	0.7	4.5	55	7
LCO/650H	0.7	4.5	30	5
LCO/750H	0.7	4.5	35	5
LCO/850H	0.7	4.5	35	5
LCO/1000H	0.7	4.5	40	5
LCO/1250H	0.7	4.5	40	6
LCO/250V	0.7	4.5	40	5
LCO/350V	0.7	4.5	40	5
LCO/425V	0.7	4.5	45	6
LCO/500V	0.7	4.5	55	7
LCO/650V	0.7	4.5	30	5
LCO/750V	0.7	4.5	35	5
LCO/850V	0.7	4.5	35	5
LCO/1000V	0.7	4.5	35	5

* Heat Up Time

** Recovery Time

Ambient to 150°C

Door opened for 30 seconds @ 150°C

Controller Specifications

Colour Touch Screen	3.2in
Control	PID with fuzzy logic
Independent Overheat Shut Down	Manual or Automatic Reset
Onscreen Historical Trending	Up to 48 Hours
On power failure	Selectable Standby Mode or Continuous Run Mode
Calibration	Linear Offset or Zero / Span
Timer	Count Down Timer5000Mins (start/pause on setpoint band)
	8 Stage Profile8 x 999Mins
	Real Time Clock2 on/off per day
Timer Upgrade	
(Optional, contact supplier for upgrade)	Multi Profile10 x Stored Profiles
	Cyclic Control 11 to 10 then infinite
	Cyclic Control 22 Set Points, selectable hours
Language selectable	English/German/Spanish/French/Portuguese
Diagnostics	On screen fault analysis
Energy Meter	Integral kWh meter
Data Storage/Export	Optional extra, USB output with 17000 samples (48 hours @ 10 sec sample/60 days @ 300 sec sample)

Environmental Specifications

Working Operational Range	5°C to 40°C
Working Humidity	Max 70% RH, non-condensing
Sound Level	< 48dB (A)
Environment	Indoor Use Only
Altitude	Up to 2000m
IP Rating	IP20
Clearance	Minimum 5cm all sides and rear
	Minimum 10 cm above for ventilation

Electrical Specifications

Model Code	Voltage 50/60Hz	Wattage W	Max Current Amps	Max Temp °C		Electrical Connection
				@ 20% power	@ 30% Power	
LCO/250H	230V	2500	10.5	95	130	3 PIn IEC Plug
LCO/350H	230V	2750	11.5	100	135	3 PIn IEC Plug
LCO/425H	230V	3000	13	110	145	3 PIn 16A Plug
LCO/500H	230V	3000	13	95	130	3 PIn 16A Plug
LCO/650H	415V	6000	9	115	155	5 PIn 16A Plug
LCO/750H	415V	6000	9	110	145	5 PIn 16A Plug
LCO/850H	415V	6000	9	105	140	5 PIn 16A Plug
LCO/1000H	415V	6000	9	100	135	5 PIn 16A Plug
LCO/1250H	415V	6000	9	100	130	5 PIn 16A Plug
LCO/250V	230V	2500	10.5	100	135	3 PIn IEC Plug
LCO/350V	230V	2750	11.5	100	140	3 PIn IEC Plug
LCO/425V	230V	3000	13	115	155	3 PIn 16A Plug
LCO/500V	415V	6000	9	100	140	5 PIn 16A Plug
LCO/650V	415V	6000	9	115	155	5 PIn 16A Plug
LCO/750V	415V	6000	9	110	135	5 PIn 16A Plug
LCO/850V	415V	6000	9	105	135	5 PIn 16A Plug
LCO/1000V	415V	6000	9	100	130	5 PIn 16A Plug

Internal Design

Model Code	No. of Shelves		Shelf Size mm	Shelf Rating Kg	Max Oven Load Kg	Additional Shelf Code
	Standard	Max				
LCO/250H	3	4	915 x 420	25	100	A2426
LCO/350H	3	4	915 x 620	25	100	A2431
LCO/425H	4	5	915 x 620	25	125	A2431
LCO/500H	5	7	915 x 620	25	150	A2431
LCO/650H	5	7	915 x 762	25	150	A2439
LCO/750H	5	8	915 x 762	25	150	A2439
LCO/850H	5	9	915 x 762	25	150	A2439
LCO/1000H	5	11	915 x 762	25	150	A2439
LCO/1250H	5	11	1220 x 725	25	150	A2444
LCO/250V	5	7	508 x 495	25	100	A2413
LCO/350V	5	7	610 x 610	25	100	A2425
LCO/425V	5	7	762 X 610	25	125	A2438
LCO/500V	5	9	762 X 610	25	150	A2438
LCO/650V	5	9	762 X 762	25	150	A2442
LCO/750V	5	10	762 X 762	25	150	A2442
LCO/850V	5	11	762 X 762	25	150	A2442
LCO/1000V	5	11	762 X 915	25	150	A2463

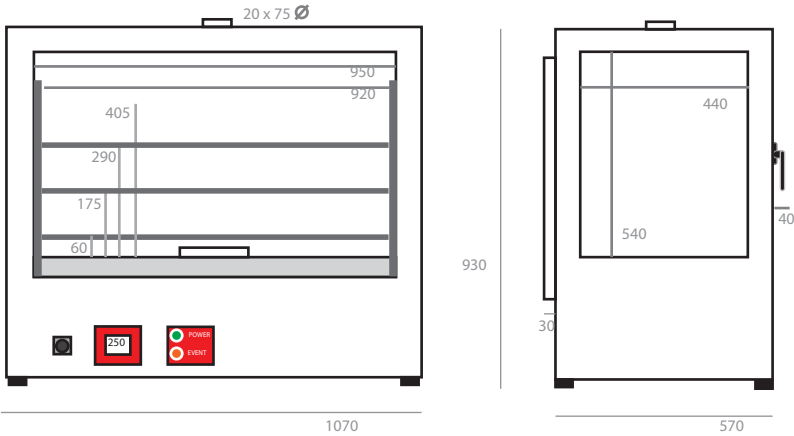
Build Construction

External Colour	Powder Coated Zintec RAL 7035
Internal Door Gasket	Zinc-Plated Steel or 304 Stainless Steel High Consistency Silicone Rubber - PR 780 / 60, Max temp 320 °C

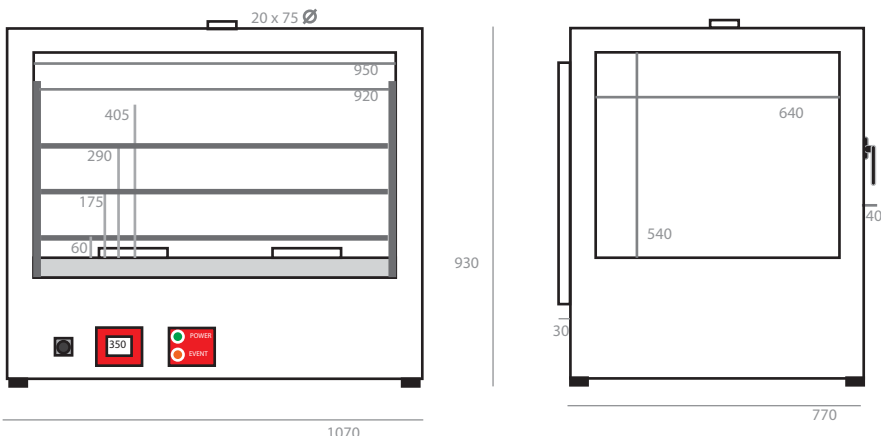
*All technical data is specified when tested at an ambient of 20°C

Dimensions - LCO / H

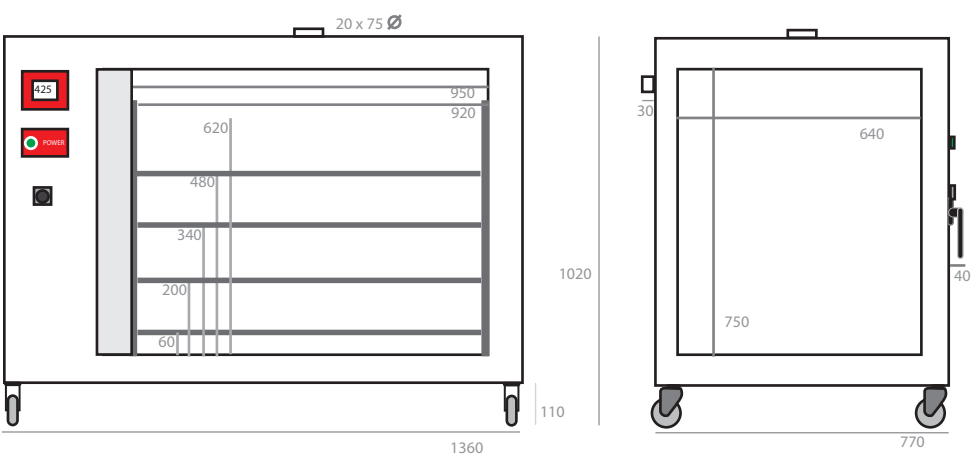
LCO/250H



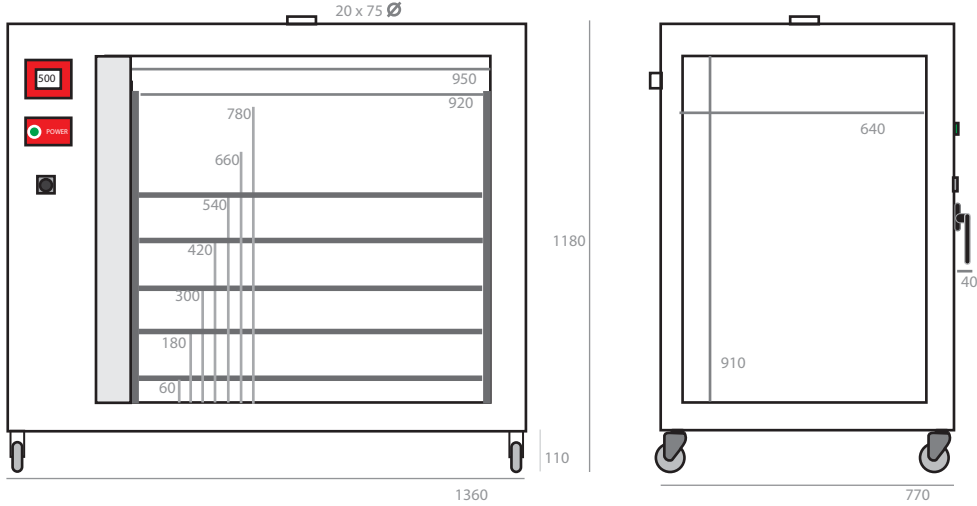
LCO/350H



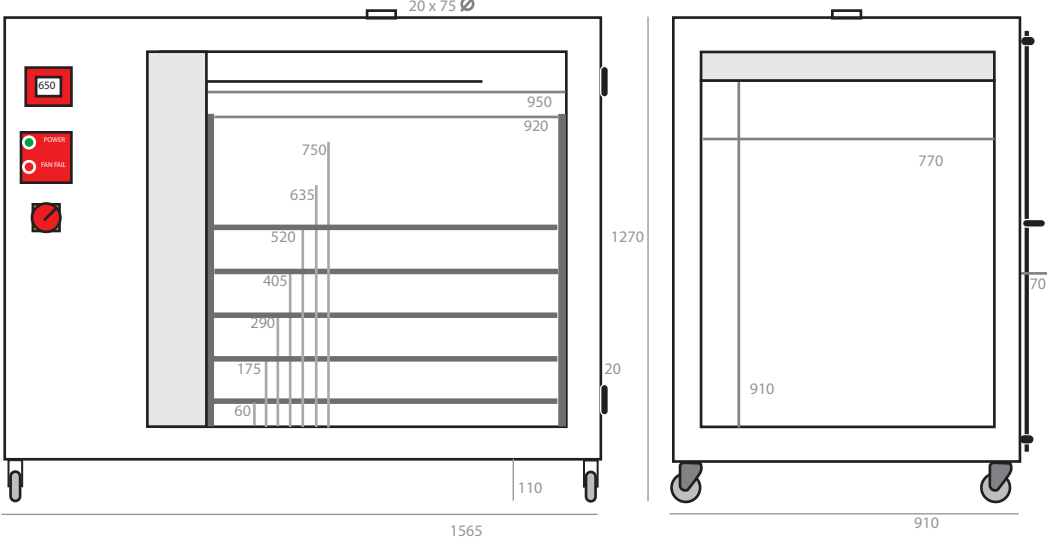
LCO/425H



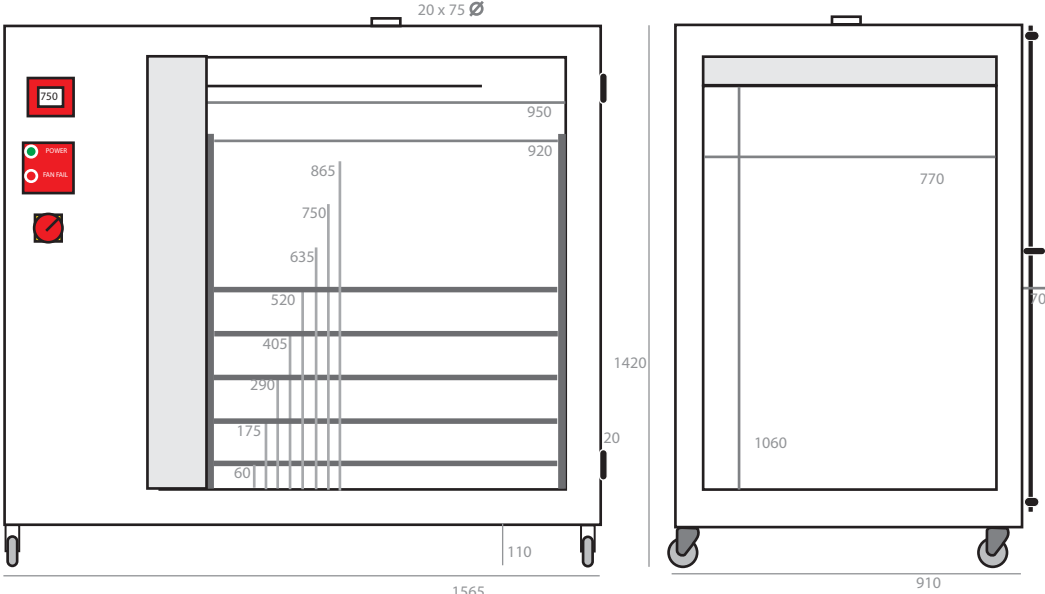
LCO/500H



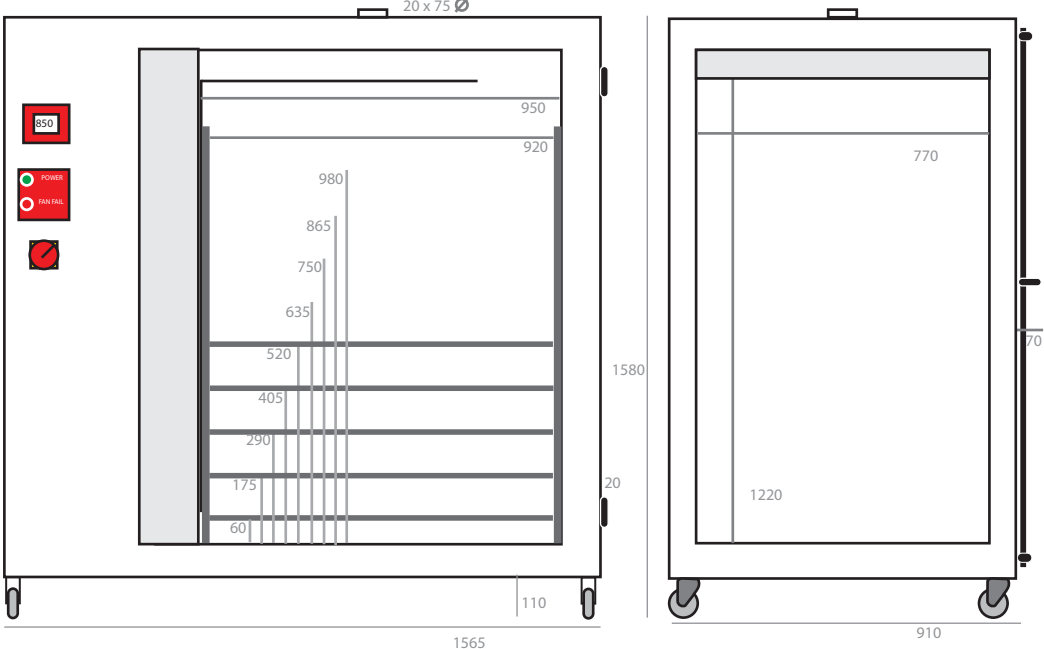
LCO/650H



LCO/750H

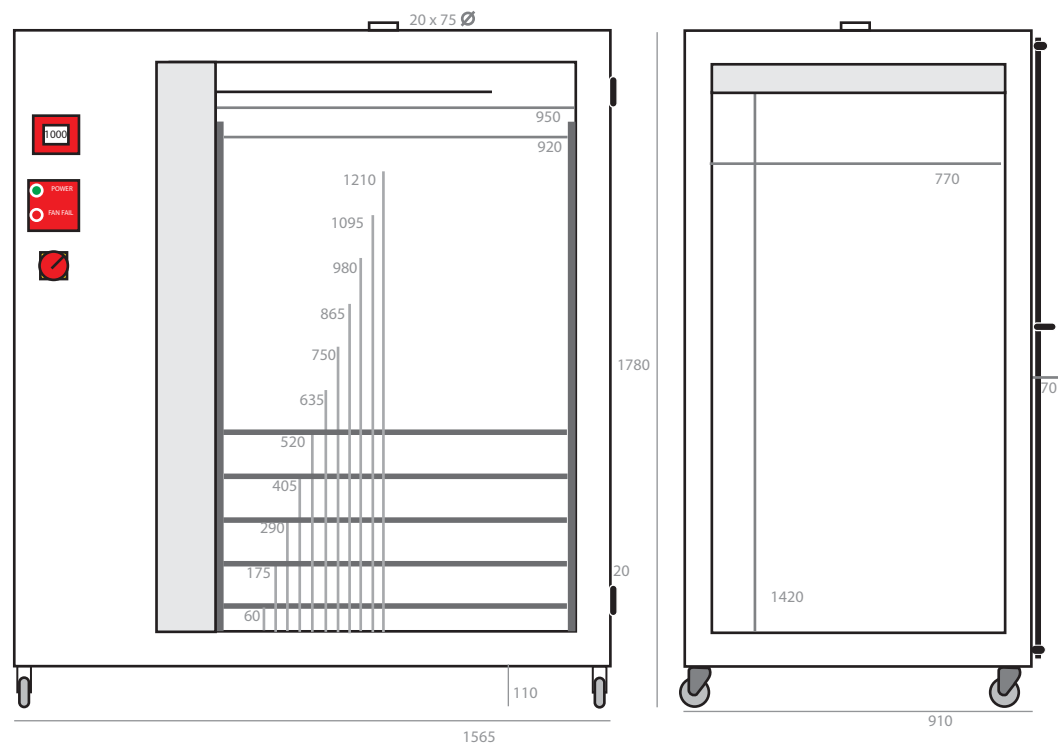


LCO/850H

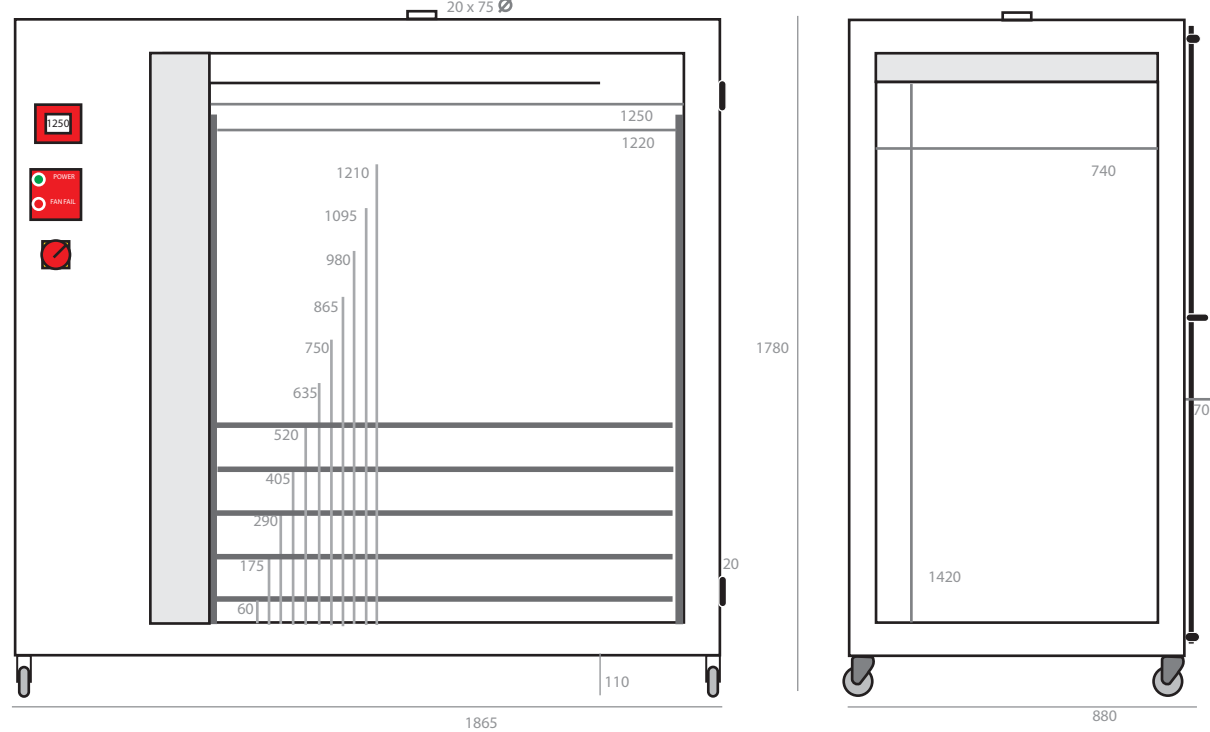


Dimensions - LCO / H

LCO/1000H

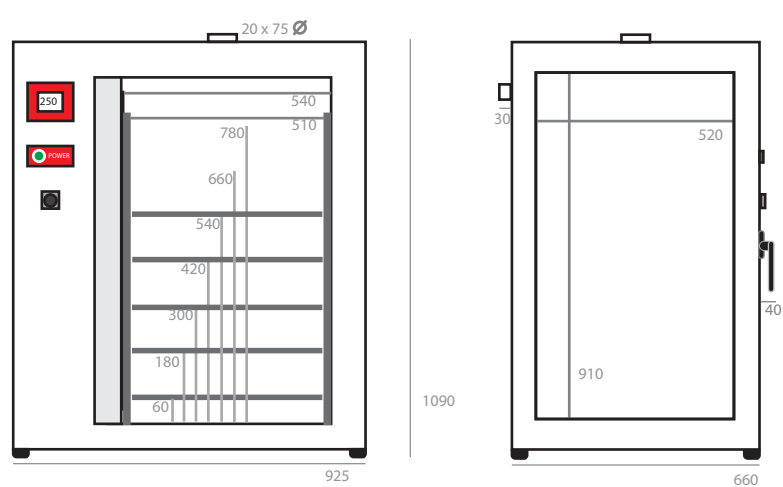


LCO/1250H

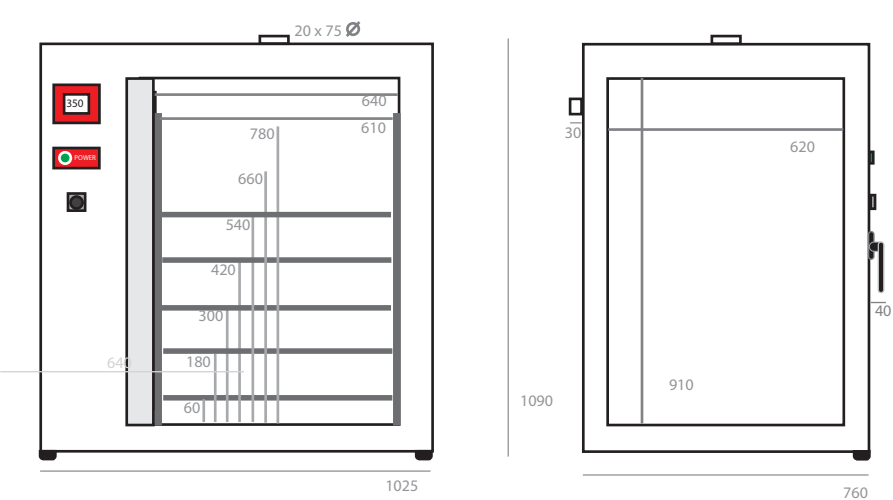


Dimensions - LCO / V

LCO/250V

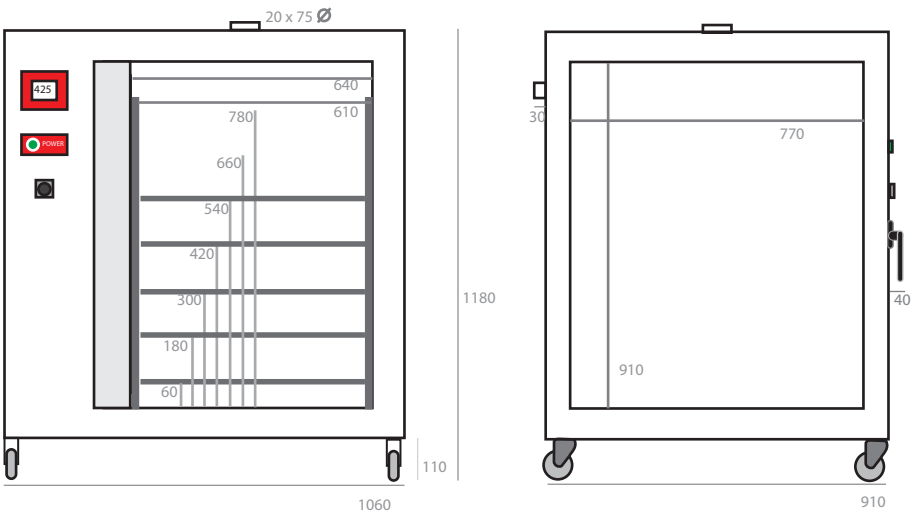


LCO/350V

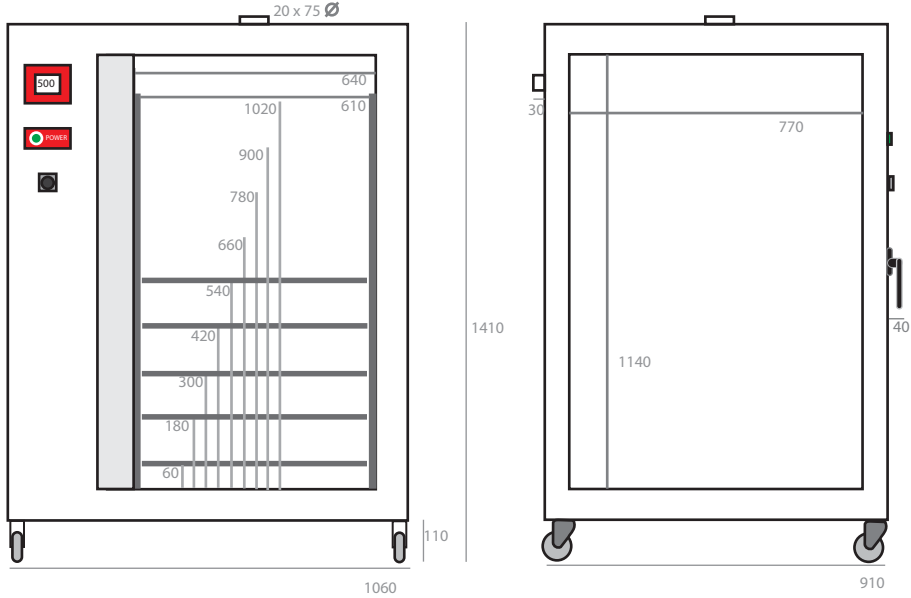


Dimensions - LCO / V

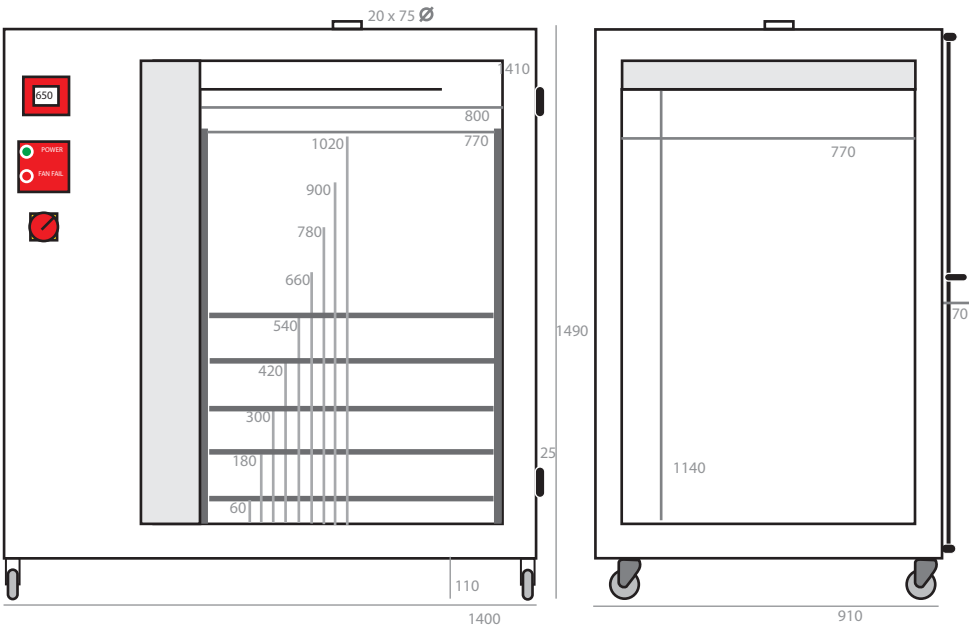
LCO/425V



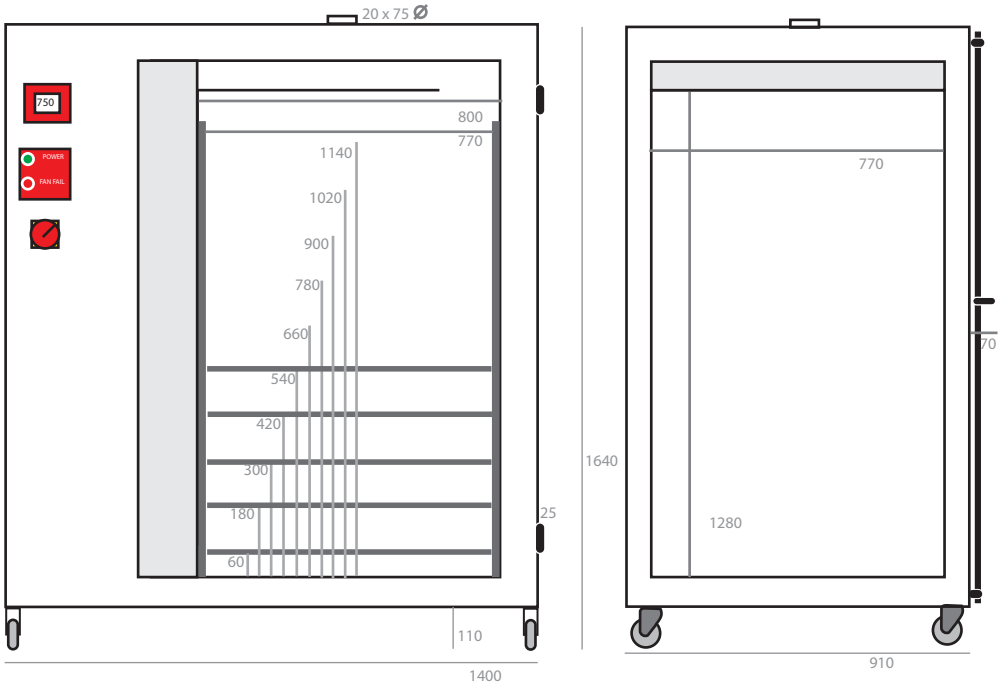
LCO/500V



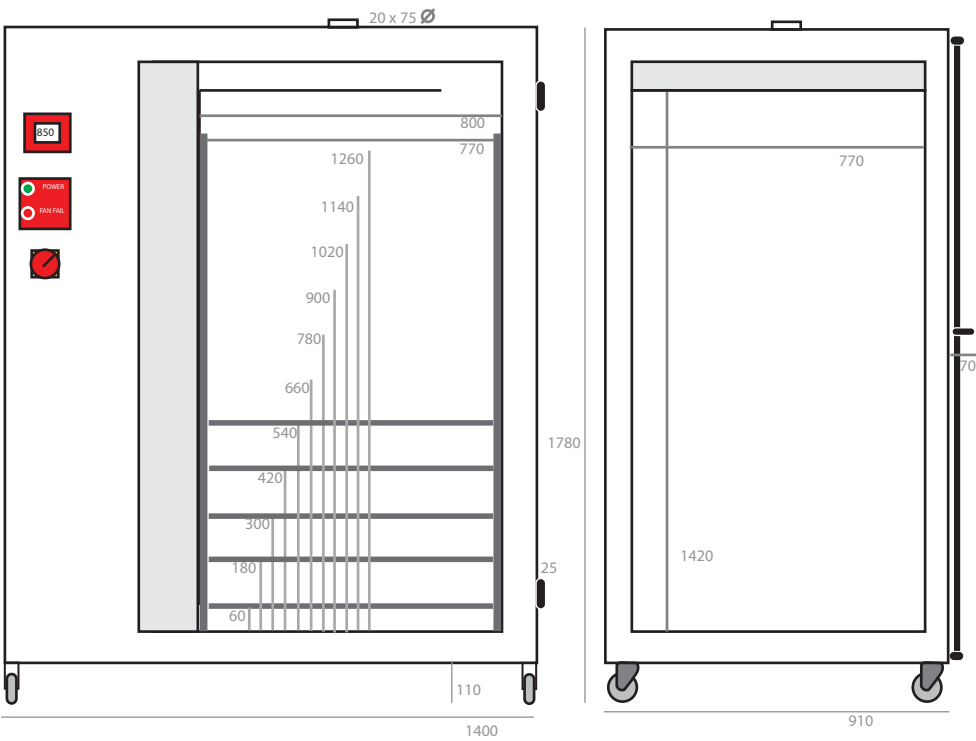
LCO/650V



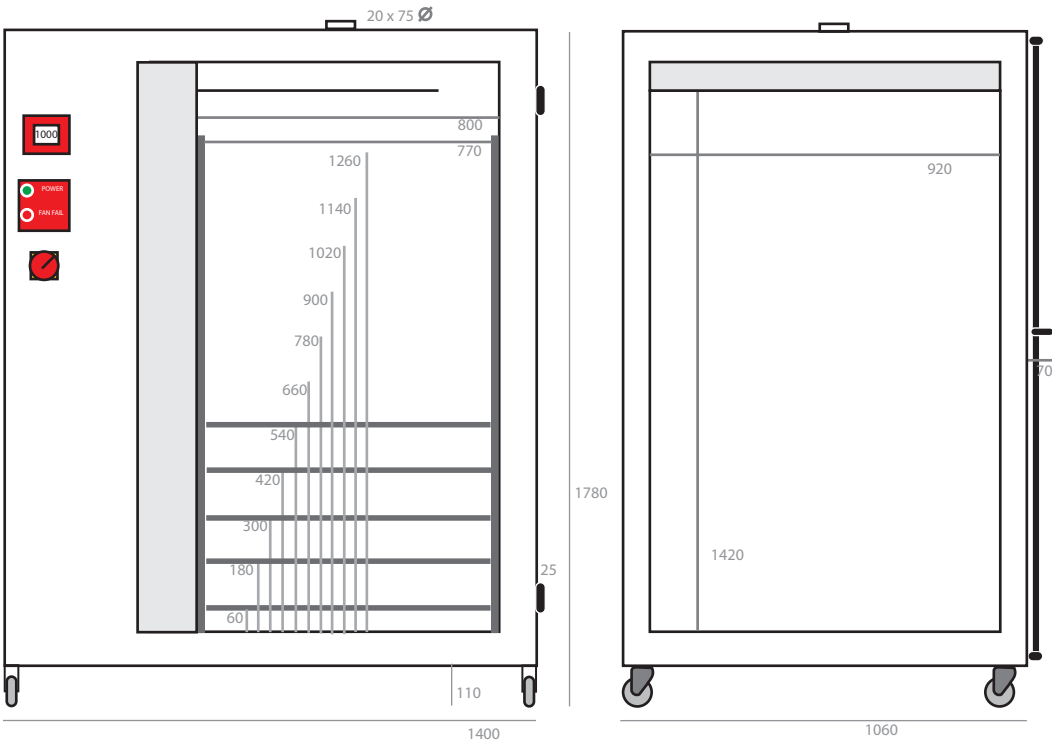
LCO/750V



LCO/850V



LCO/1000V





HS Commodity Code
Low Voltage Directive
EMC Directive
Machinery Directive
RoHS Directive
Approval Standards

85141100000
2014/35/EU
2014/30/EU
EU Machinery Regulation (EU) 2023/1230
2023/1437EU
EN 61010-1:2010/A1:2019
BS EN IEC 61000-6-1:2019
BS EN IEC 61000-3 2020
BS EN IEC 61000-6-4:2019
BS EN 60204-1:2018+A1:2025
BS-EN7671
BS-EN61439-2
BS-EN13849

