



PRIME^{XL} INCUBATOR



Product Codes ..

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

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

Temperature Specifications

Working Range	(Ambient+8)°C to 100°C
Accuracy	< 0.4°C
Resolution	0.1°C
Temperature Sensor	Duplex Pt100A 2+2 wire
Display	°C or °F

Model	Stability@37°C (+/-°C)	Uniformity @37°C (+/-°C)	Heat Up Time* (Mins)	Recovery Time* * (Mins)
PRI/250H	0.2	1.0	18	4
PRI/350H	0.2	1.0	18	4
PRI/425H	0.2	1.0	20	5
PRI/500H	0.2	1.0	20	5
PRI/650H	0.2	1.0	21	5
PRI/750H	0.2	1.0	19	4
PRI/850H	0.2	1.0	19	4
PRI/1000H	0.2	1.0	20	5
PRI/1250H	0.2	1.0	20	5
PRI/250V	0.2	1.0	18	4
PRI/350V	0.2	1.0	18	4
PRI/425V	0.2	1.0	20	5
PRI/500V	0.2	1.0	21	5
PRI/650V	0.2	1.0	20	5
PRI/750V	0.2	1.0	19	4
PRI/850V	0.2	1.0	20	4
PRI/1000V	0.2	1.0	20	5

* Heat Up Time

** Recovery Time

Ambient to 37°C

Door opened for 30 seconds @ 37°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	
PRI250H	230V	1500	6.5	xx	xx	3 PIn IEC Plug
PRI350H	230V	2000	8.5	xx	xx	3 PIn IEC Plug
PRI425H	230V	2500	11	xx	xx	3 PIn IEC Plug
PRI500H	230V	2500	11	xx	xx	3 PIn IEC Plug
PRI650H	230V	2500	11	xx	xx	3 PIn IEC Plug
PRI750H	230V	2500	11	xx	xx	3 PIn IEC Plug
PRI850H	230V	3000	13.5	xx	xx	3 PIn 16A Plug
PRI1000H	230V	3000	13.5	xx	xx	3 PIn 16A Plug
PRI1250H	230V	3000	13.5	xx	xx	3 PIn 16A Plug
PRI250V	230V	1500	6.5	xx	xx	3 PIn IEC Plug
PRI350V	230V	2000	8.5	xx	xx	3 PIn IEC Plug
PRI425V	230V	2500	11	xx	xx	3 PIn IEC Plug
PRI500V	230V	2500	11	xx	xx	3 PIn IEC Plug
PRI650V	230V	2500	11	xx	xx	3 PIn IEC Plug
PRI750V	230V	2500	11	xx	xx	3 PIn IEC Plug
PRI850V	230V	3000	13.5	xx	xx	3 PIn 16A Plug
PRI1000V	230V	3000	13.5	xx	xx	3 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				
PRI250H	3	4	915 x 420	25	300	A2426
PRI350H	3	4	915 x 620	25	300	A2431
PRI425H	4	5	915 x 620	25	500	A2431
PRI500H	5	7	915 x 620	25	500	A2431
PRI650H	5	7	915 x 762	25	500	A2439
PRI750H	5	8	915 x 762	25	500	A2439
PRI850H	5	9	915 x 762	25	500	A2439
PRI1000H	5	11	915 x 762	25	500	A2439
PRI1250H	5	11	1220 x 725	25	500	A2444
PRI250V	5	7	508 x 495	25	500	A2413
PRI350V	5	7	610 x 610	25	500	A2425
PRI425V	5	7	762 X 610	25	500	A2438
PRI500V	5	9	762 X 610	25	500	A2438
PRI650V	5	9	762 X 762	25	500	A2442
PRI750V	5	10	762 X 762	25	500	A2442
PRI850V	5	11	762 X 762	25	500	A2442
PRI1000V	5	11	762 X 915	25	500	A2463

Build Construction

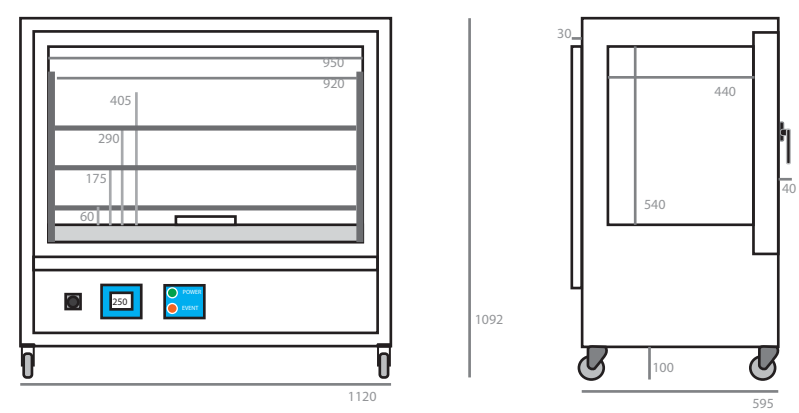
External
Colour
Internal
Door Gasket

Structural Framework with Powder Coated Zintec Panels (304 stainless steel option)
RAL 7035
304 Mirror Polished Stainless Steel
High Consistency Silicone Rubber - PR 780 / 60, Max temp 320 °C

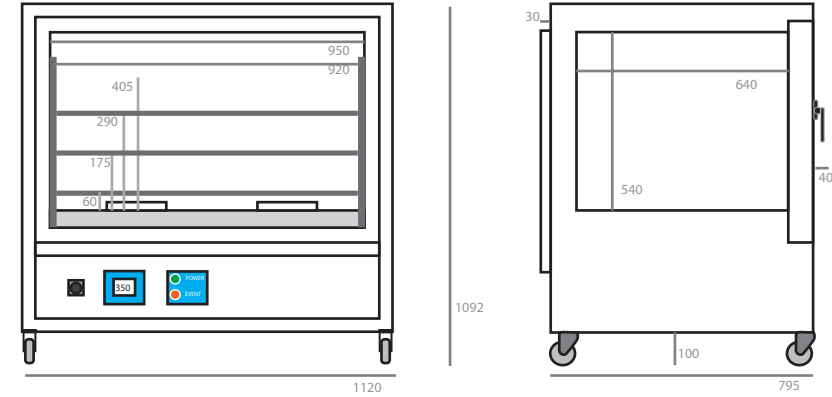
*All technical data is specified when tested at an ambient of 20°C

Dimensions - PRI / H

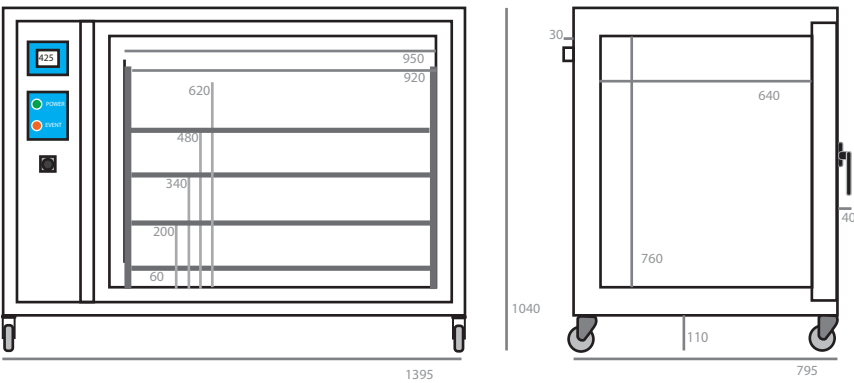
PRI/250H



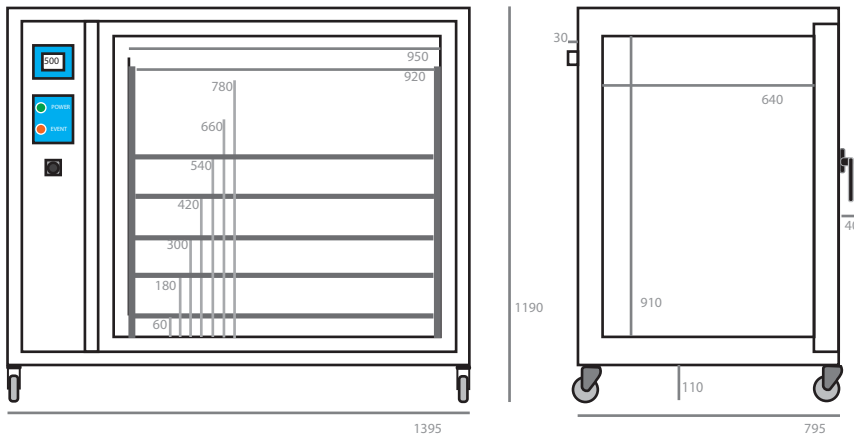
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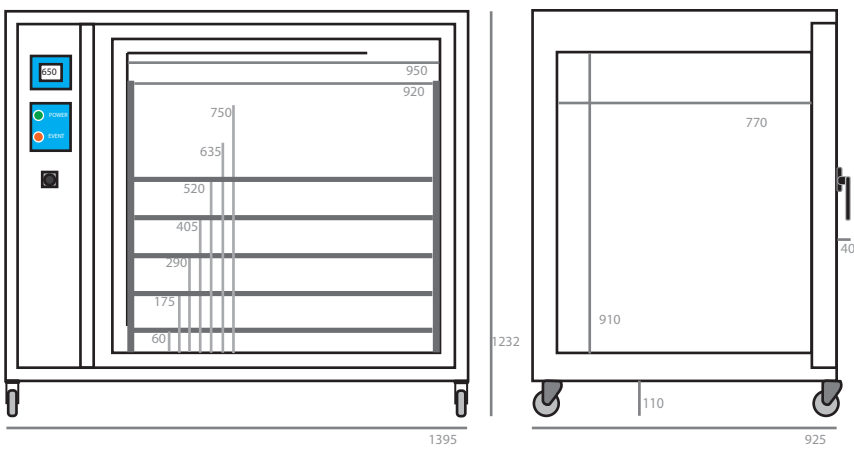
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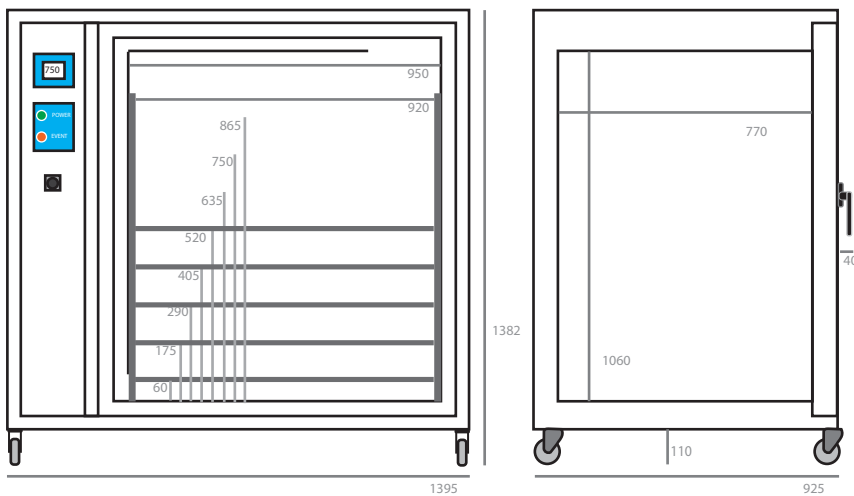
PRI/500H



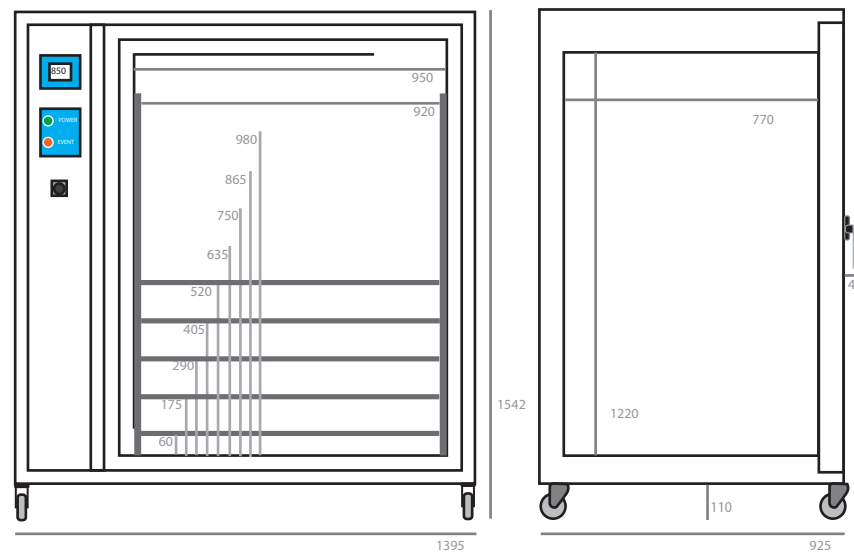
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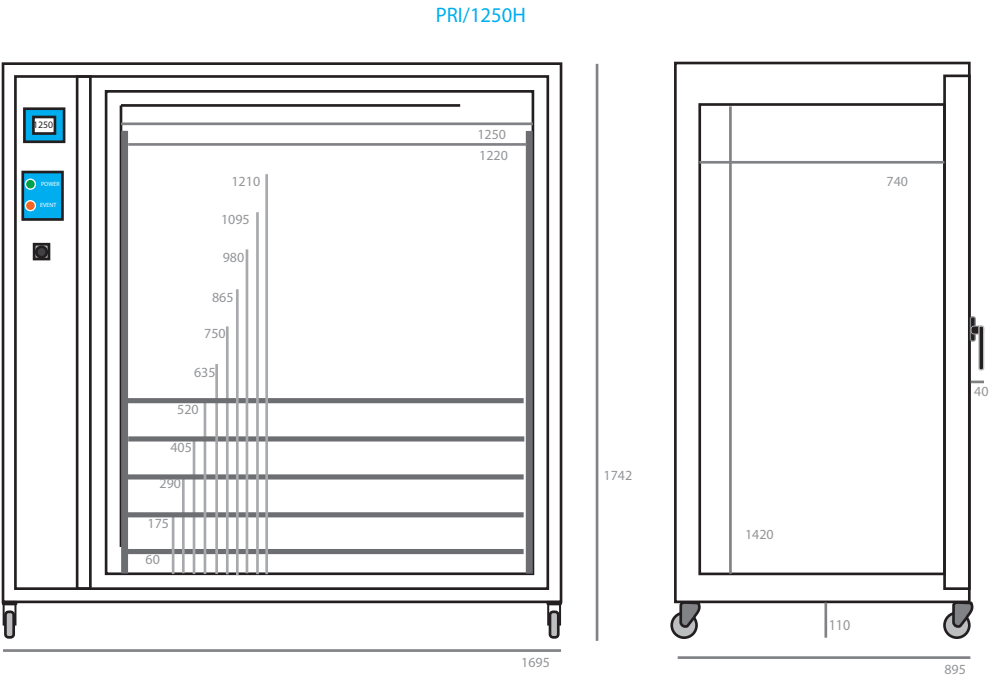
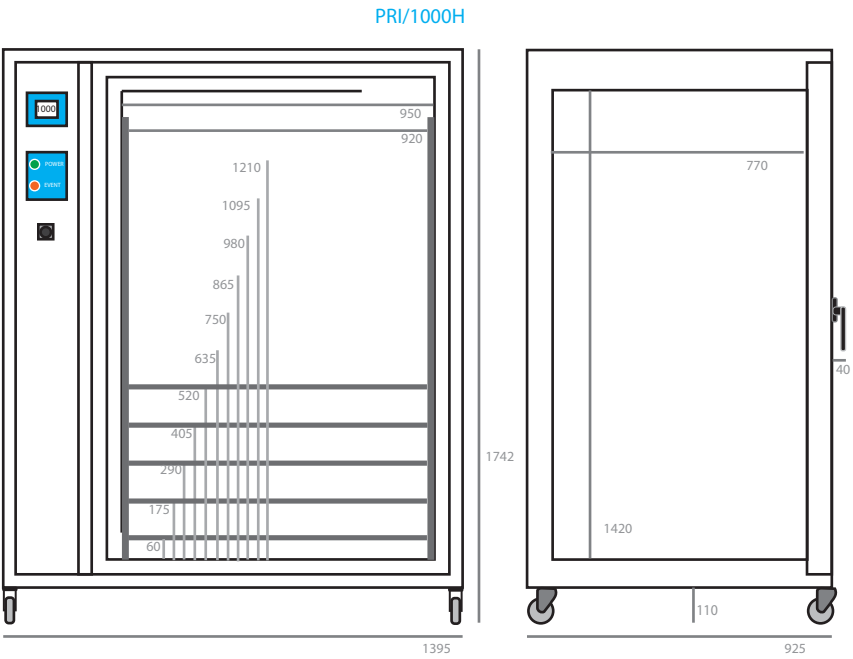
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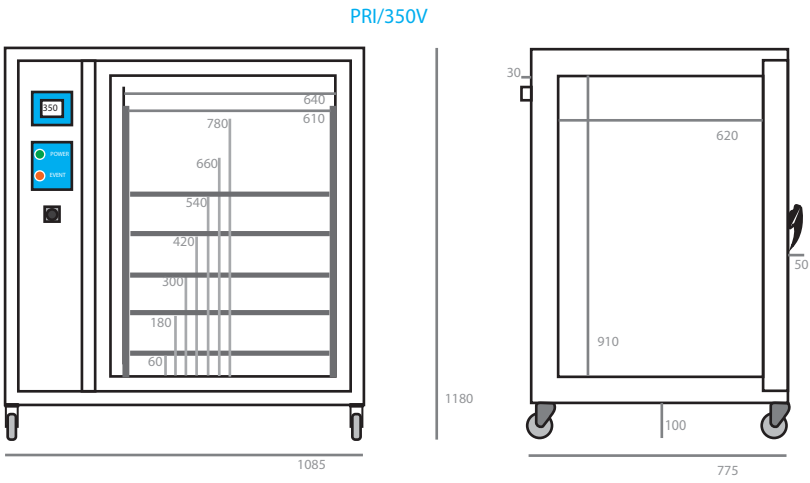
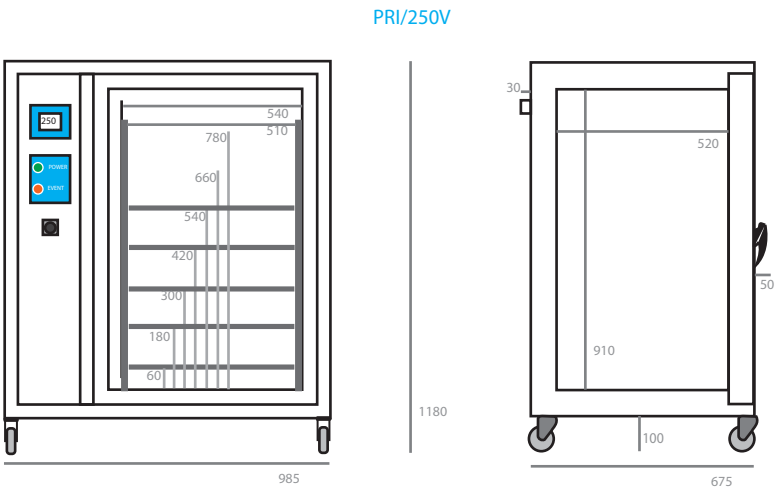
PRI/850H



Dimensions - PRI / H

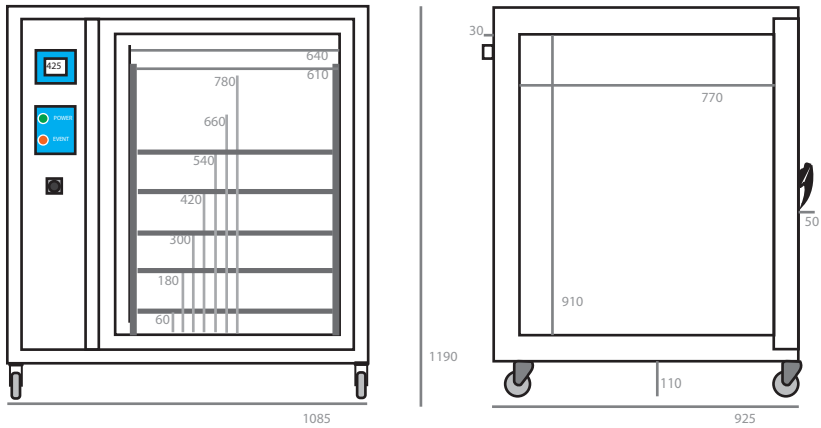


Dimensions - PRI / V

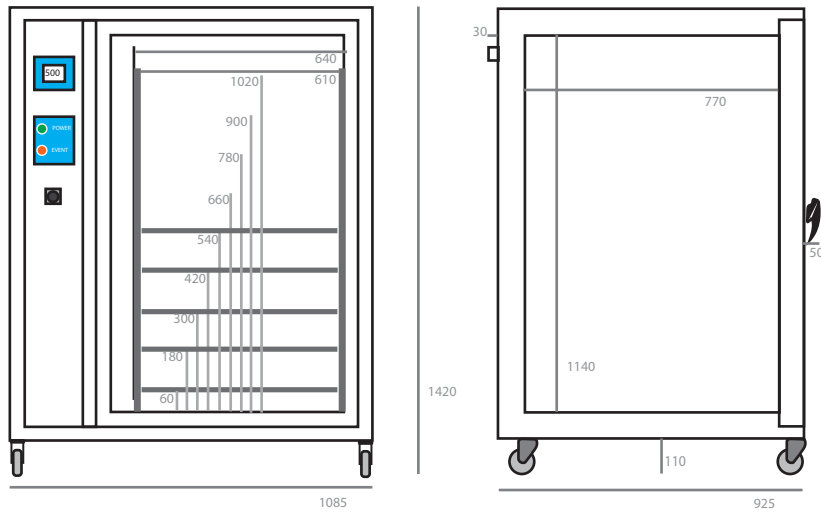


Dimensions - PRI / V

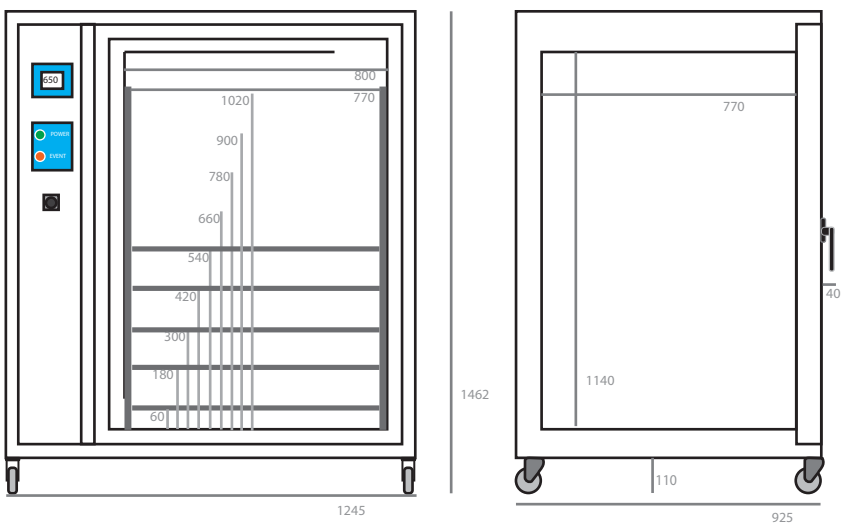
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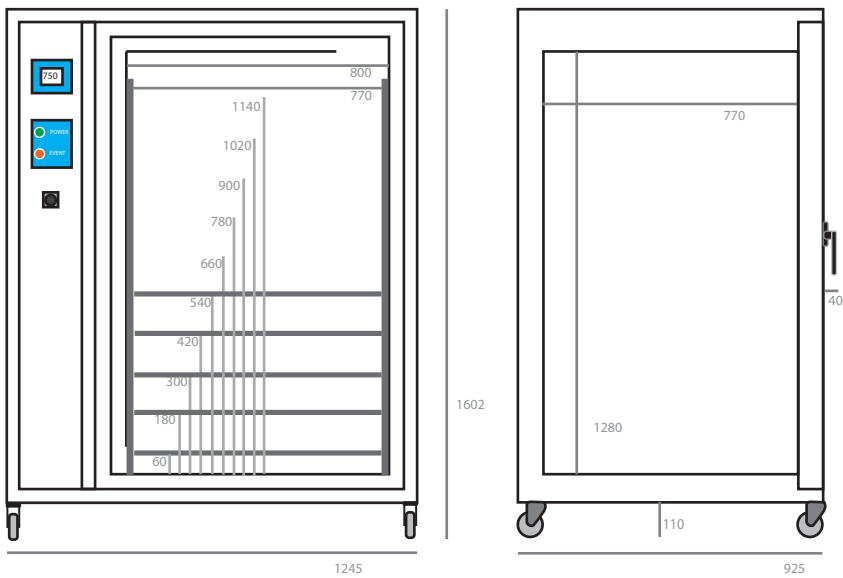
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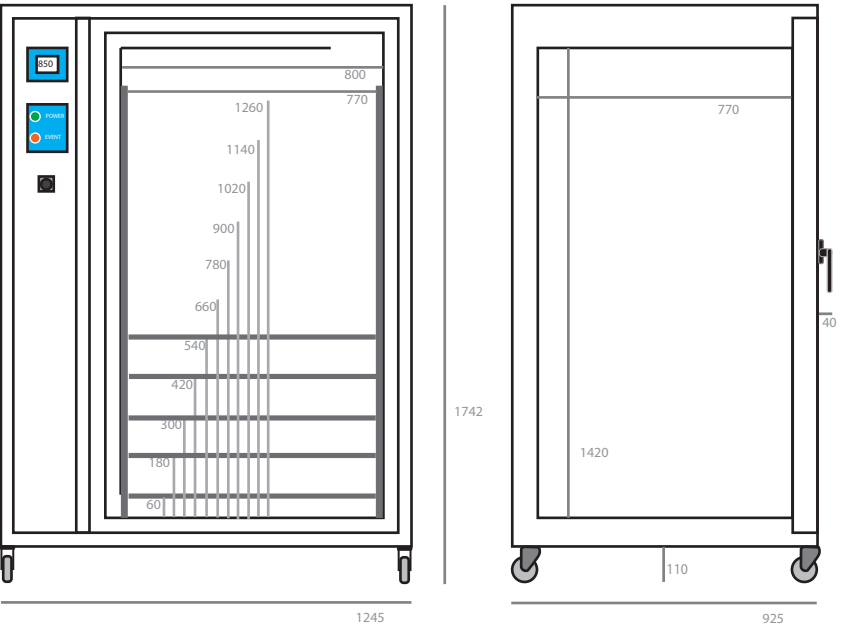
PRI/650V



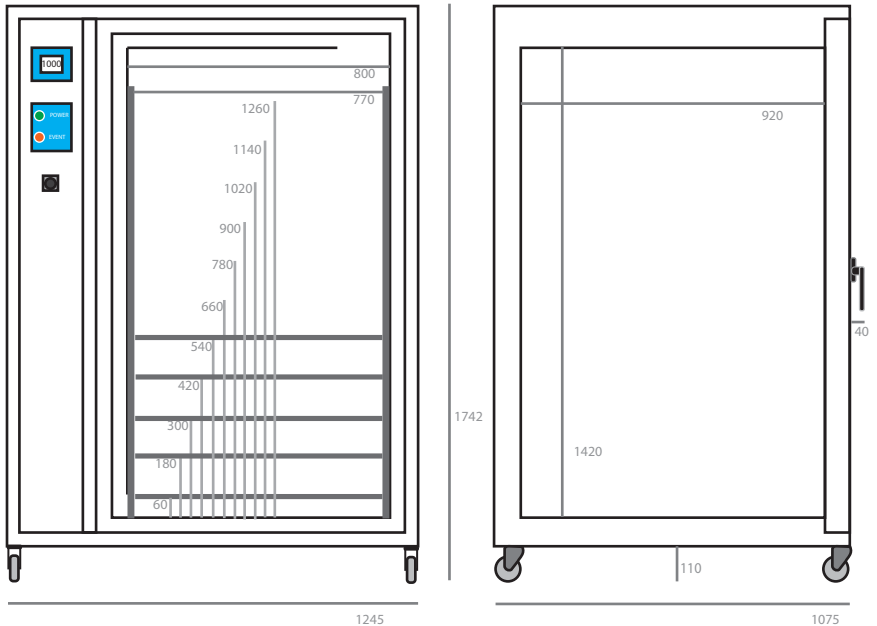
PRI/750V



PRI/850V



PRI/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

