



e³

Peltier Cooled Incubators



Product Codes ..

E3/PCI/50, E3/PCI/150, E3//PCI/250, E3/PCI/500

Temperature Specifications

Working Range	8°C to 48°C
Accuracy	< 0.4°C
Resolution	0.1°C
Temperature Sensor	Duplex Pt100A 2+2 wire
Display	°C or °F

Model	Stability (+/-°C)		Uniformity (+/-°C)		Cool Down Time 20°C to 10°C	Heat Up Time 20°C to 37°C	Recovery Time * (Mins)	
	@10°C	@37°C	@10°C	@37°C			@10°C	@37°C
E3/PCI/50	0.15	0.2	0.75	1	40	20	2.5	2.5
E3/PCI/150	0.15	0.2	0.75	1	45	20	3	2.5
E3/PCI/250	0.15	0.2	0.75	1.2	45	20	3	2.5
E3/PCI/500	0.15	0.2	1.0	1.5	50	25	3.5	3

* Recovery Time

Door opened for 30 seconds

Controller Specifications

Control Method	KR32 Heat / Cool Controller
Display	PID on both heat and cool
Independent Overheat Shut Down	3 Colour Dynamic Display
Diagnostics	Thermostatic, auto reset
Communications	On screen fault analysis
	RS485 Modbus (Optional)

Environmental Specifications

Working Operational Range	10°C to 30 °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, rear and top

Electrical Specifications

Voltage	230Vac +/-10%	50/60Hz
Electrical Connection	3 Pin Fused IEC plug	

Model Code	Wattage W	Max Current Amps
PCI/50	100	0.5
PCI/150	100	0.5
PCI/250	150	0.75
PCI/500	200	1.0

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

Internal Design

Model Code	No. of Shelves		Shelf Size mm	Shelf Rating Kg	Max Oven Load Kg	Additional Shelf Code
	Standard	Max				
E3/PCI/50	3	4	356 x 318	25	60	A2407
E3/PCI/150	3	5	489 x 483	25	75	A2461
E3/PCI/250	5	7	508 x 495	25	100	A2413
E3/PCI/500	5	9	762 x 610	25	150	A2438

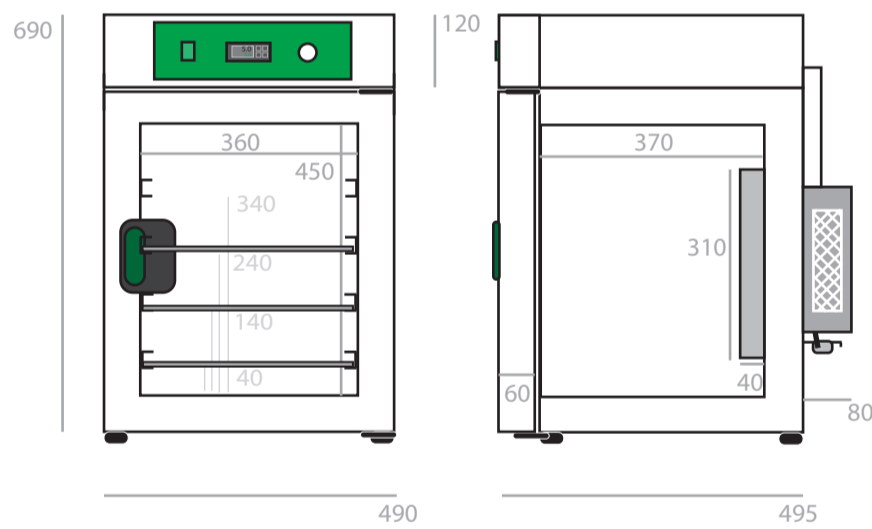
Build Construction

External
Colour
Internal
Door Gasket

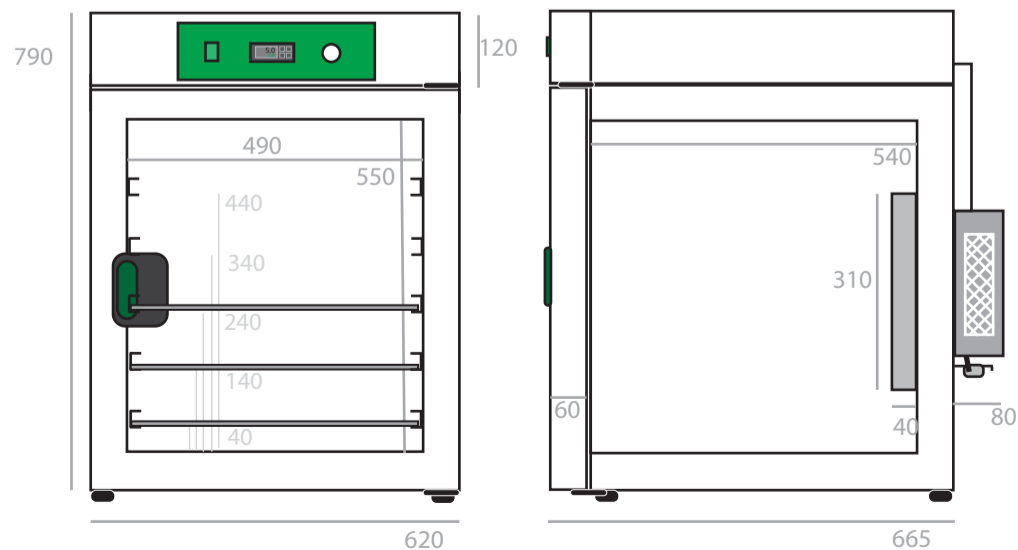
Powder Coated Zintec
White
304 Mirror Polished Stainless Steel
High Consistency Silicone Rubber - PR 780 / 60, Max temp 320 °C

Dimensions

E3/PCI/50

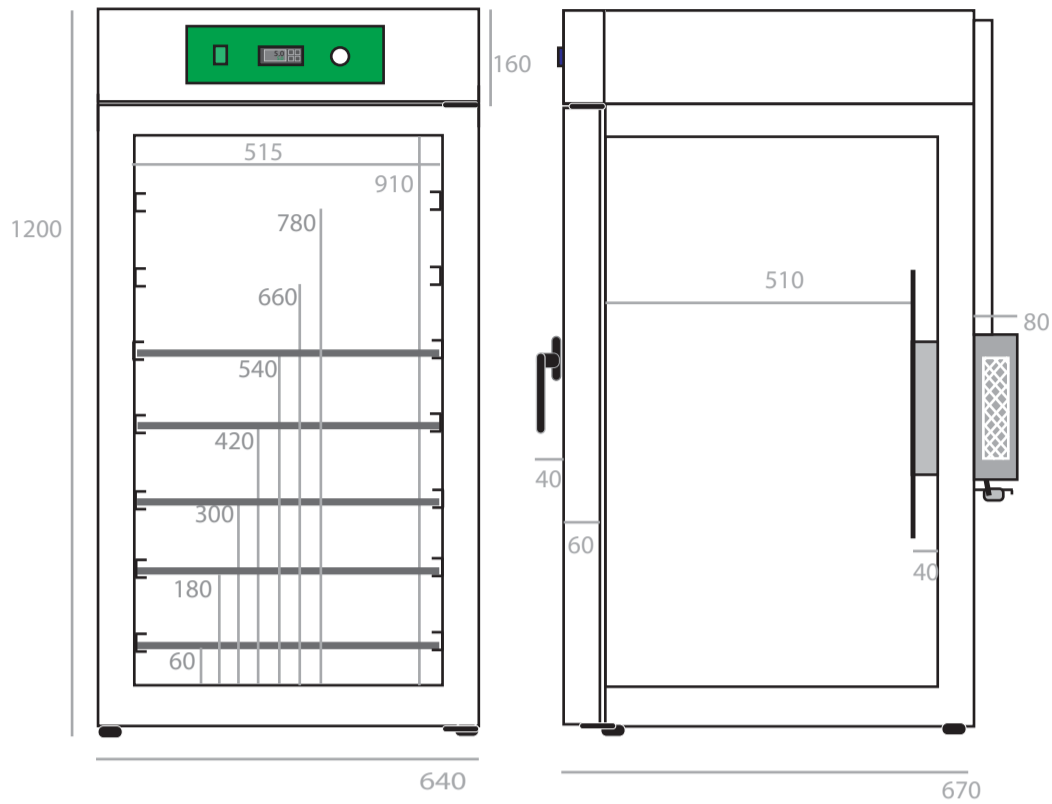


E3/PCI/150

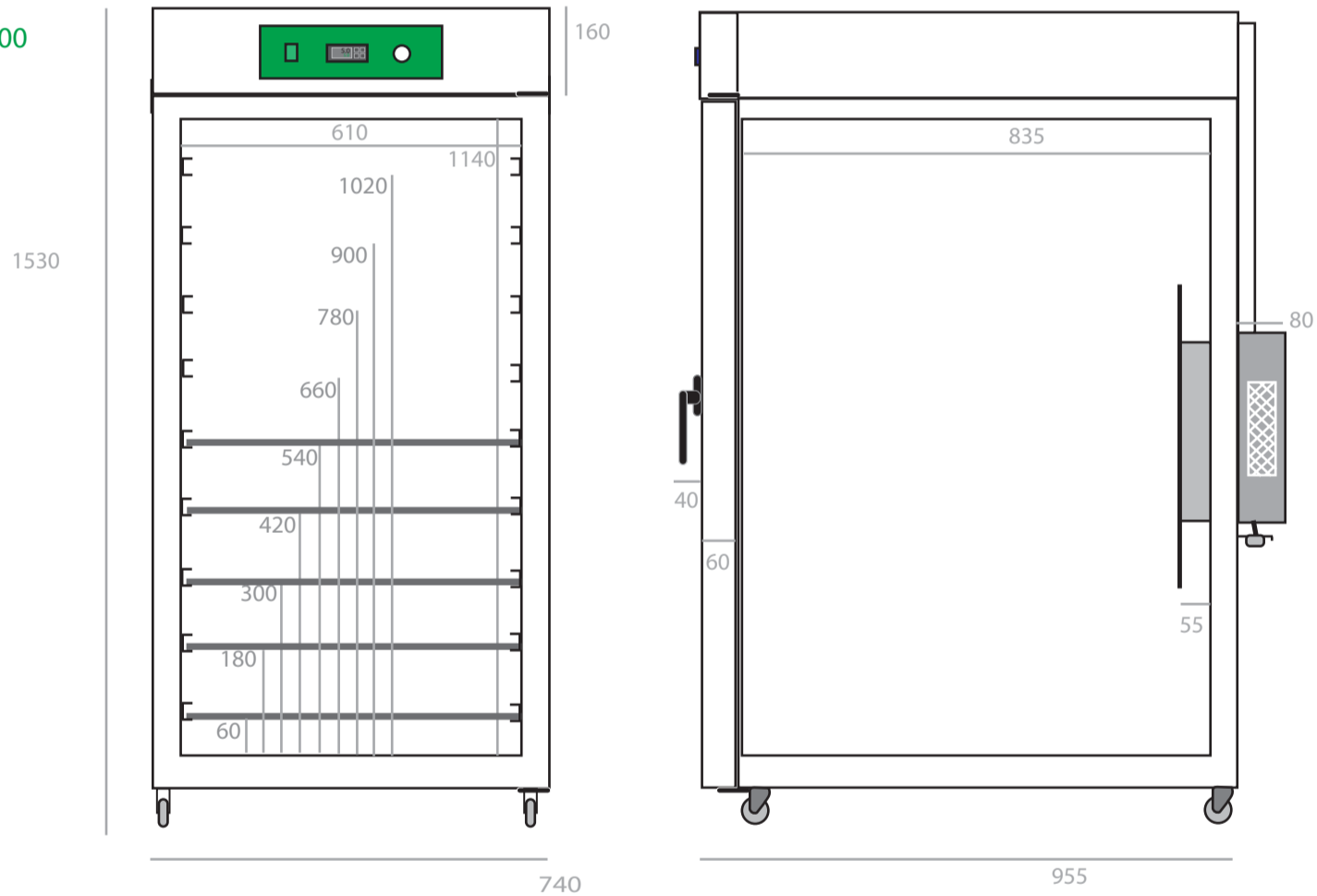


Dimensions

E3/PCI/250



E3/PCI/500



Certification

HS Commodity Code	8514110000
Low Voltage Directive	2014/35/EU
EMC Directive	2014/30/EU
Machinery Directive	EU Machinery Regulation (EU) 2023/1230
RoHS Directive	2023/1437EU
Approval Standards	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

