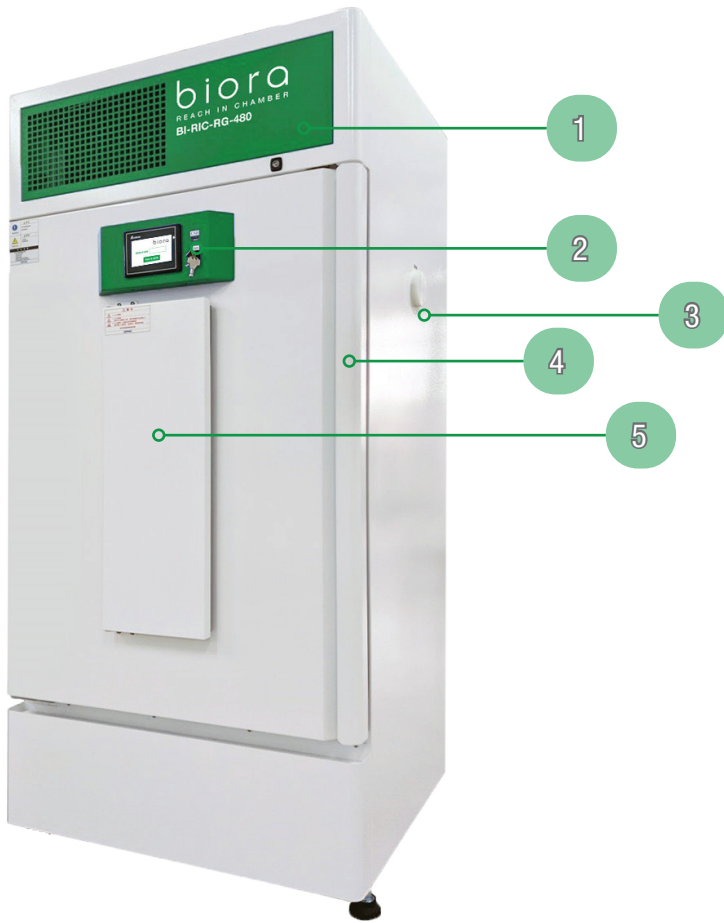


# 480L SPECIFICATION SHEET

**BI-RI-PG-480**



ITEM	DESIGNATION
1	Cooling System
2	HMI & Power Key Switch
3	Side Vents
4	Door Handle
5	Condensation Free Observation Window & Light Tight Cover

## Weights and Dimensions

	INTERIOR		ASSEMBLED PRODUCT		SHIPPING	
	Metric (mm)	Imperial (in)	Metric (mm)	Imperial (in)	Metric (mm)	Imperial (in)
<b>Height</b>	1145	45	1950	76.8	2180	86
<b>Width</b>	700	28	900	35.4	1310	52
<b>Depth</b>	590	23	950	37.4	1420	56

	NET WEIGHT		GROSS WEIGHT		WEIGHT LIMIT PER TRAY	
	Metric (kg)	Imperial (lb)	Metric (kg)	Imperial (lb)	Metric (kg)	Imperial (lb)
<b>Weight</b>	260	573	370	816	30	66.14

## 480L Standard Specifications

<b>Growth Range</b>	<b>Working Volume</b>	470 L	16.6 ft <sup>3</sup>
	<b>Growth Area</b>		
	<b>1 Tier</b>	0.39 m <sup>2</sup>	4.2 ft <sup>2</sup>
	<b>2 Tier</b>	0.78 m <sup>2</sup>	8.4 ft <sup>2</sup>
	<b>3 Tier</b>	1.17 m <sup>2</sup>	12.6 ft <sup>2</sup>
	<b>4 Tier</b>	1.56 m <sup>2</sup>	16.8 ft <sup>2</sup>
	<b>Growth Height</b>		
	<b>1 Tier</b>	1040 mm	40.95 in
	<b>2 Tier</b>	520 mm	20.5 in
	<b>3 Tier</b>	360 mm	14.2 in
	<b>4 Tier</b>	260 mm	10.2 in
	<b>Atmosphere Control</b>	<b>Temperature Control Accuracy</b>	0.1 °C
<b>Temperature Uniformity, at 20°C (68°F)</b>		0.5 °C	1 °F
<b>Working Temperature Range, Lights On</b>		10 to 45 °C	41 to 113 °F
<b>Working Temperature Range, Lights Off</b>		0 to 60 °C	32 to 140 °F
<b>Humidity Setting Accuracy</b>		1%	
<b>Humidity Fluctuation, at 80% RH Lights Off</b>		(+/-) 5%	
<b>Humidity Uniformity, at 80% RH Lights Off</b>		(+/-) 10%	
<b>Humidity Setting Range, Lights On</b>		55 - 85% RH	
<b>Humidity Setting Range, Lights Off</b>		55 - 90% RH	
<b>Humidifier Type</b>		Ultrasonic	
<b>Ramping Capability for Temperature &amp; Humidity</b>		1 PPM	
<b>Electrical and Safety</b>	<b>Power Required</b>	230V / 50Hz / 60Hz	
	<b>Max. Electrical Current</b>	10A	
	<b>Electrical Safety</b>	Overcurrent NFB protection	
	<b>Compressor Safety</b>	Delay start protection, overload alarm	
<b>Cooling Systems</b>	<b>Hot Gas Bypass System</b>	Y	
	<b>Water- or Air-Cooled Condenser</b>	Y	
	<b>Solenoid Valves</b>	Y	
	<b>Defrosting System (Time Adjustable)</b>	Y	
	<b>CFC Free Refrigerant</b>	Y	
	<b>Forced Air Circulation</b>	Side to Side	

<b>LED Compatible</b>	<b>Standard LED Light</b>	Z190 / Z4N / Z41N / Z4WN	
	<b>PAR pmol/m2, at 15cm (PFD)</b>	<400	
	<b>Plate Size, Depth</b>	400 mm	15.75 in
	<b>Plate Size, Width</b>	600 mm	23.62 in
	<b>Plates per Tier</b>	1	
	<b>Adjustable Intensity</b>	0 - 100%	
	<b>Low Heat Load</b>	Y	
	<b>Light Direction</b>	Downwards	
	<b>Uniformity</b>	Excellent	
	<b>Long life Span</b>	Y	
	<b>Channel Control</b>	1 Channel	
	<b>Fully Programmable</b>	Y	
<b>HMI Control Panel</b>	<b>LED Touch Screen</b>	177.8 mm	7 in
	<b>Password</b>	Pin protected, Three-level access	
	<b>Data</b>	USB Connection, Data export and import	
	<b>Historical Data</b>	12 Months	
	<b>Alerts</b>	Alarm notifications and records, Low and high temperature tracking	
	<b>Remote Access</b>	Real-time monitoring of all control processes	
	<b>No. Programs &amp; Steps</b>	Customisable	
	<b>Support</b>	Customised HMI and local engineering support	
<b>Standard Features</b>	<b>Style</b>	Single Compartment	
	<b>Door</b>	Insulated, single door	
	<b>Observation Window</b>	Light tight cover, condensation free	
	<b>Exterior Material</b>	Powder coated Steel	
	<b>Installation</b>	Four caster wheels with levelling feet	
	<b>HVAC</b>	Internal	
	<b>Shelving Tiers</b>	4 stainless steel tray	
	<b>Interior</b>	Stainless Steel	
	<b>Insulation (PU)</b>	50 mm	1.97 in
	<b>Power Connection</b>	Mains cable with plug or NFB	