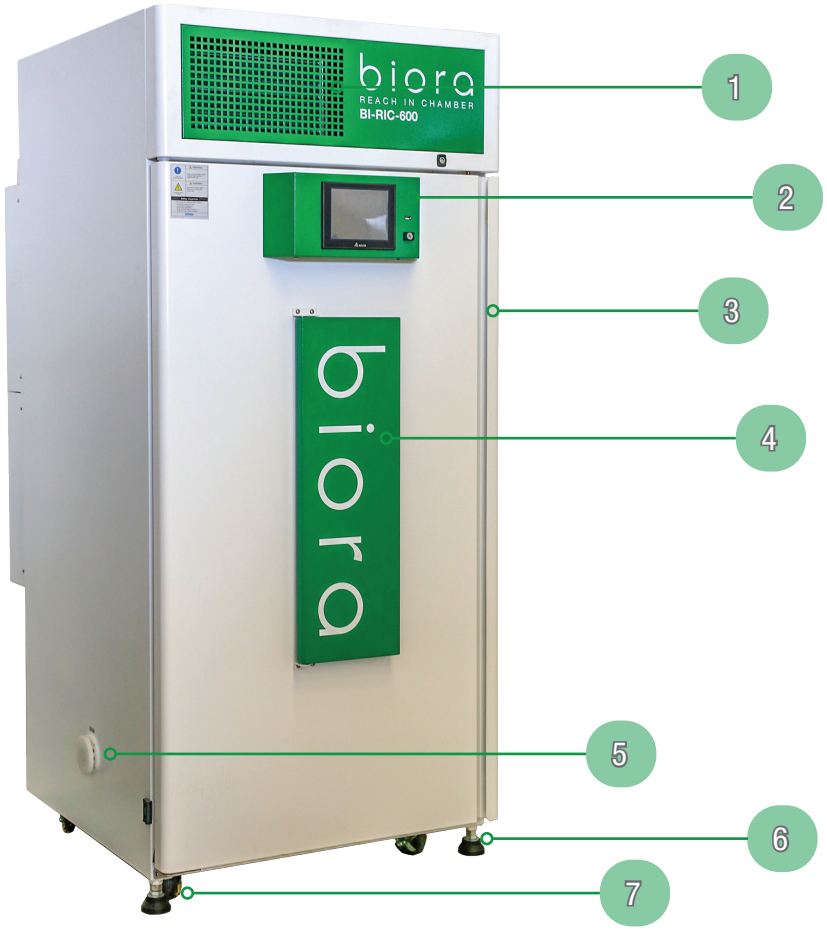
600L SPECIFICATION SHEET

BI-RI-PG-600



ITEM	DESIGNATION
1	Cooling System
2	HMI & Power Key Switch
3	Door Handle
4	Condensation Free Observation Window & Light Tight Cover
5	Side Vents
6	Adjustable Feet
7	Industrial Caster Wheel

Weights and Dimensions

	INTERIOR		ASSEMBLED PRODUCT		SHIPPING	
	Metric (mm)	Imperial (in)	Metric (mm)	Imperial (in)	Metric (mm)	Imperial (in)
Height	1265	49.80	1950	76.77	2180	85.83
Width	770	30.31	900	35.43	1310	51.57
Depth	600	23.62	1040	40.94	1420	55.91

	NET WEIGHT		GROSS WEIGHT		WEIGHT LIMIT PER TRAY	
	Metric (kg)	Imperial (lb)	Metric (kg)	Imperial (lb)	Metric (kg)	Imperial (lb)
Weight	260	573.20	350	771.62	30	66.14

600L Standard Specifications

Growth Range	Working Volume	600 L	21.19 ft3
	Growth Area		
	1 Tier	0.46 m2	4.95 ft2
	2 Tier	0.90 m2	9.7 ft2
	3 Tier	1.38 m2	14.85 ft2
	4 Tier	1.80 m2	19.38 ft2
	Growth Height		
	1 Tier	1240 mm	48.82 in
	2 Tier	600 mm	23.62 in
	3 Tier	400 mm	15.75 in
	4 Tier	290 mm	11.42 in
Atmosphere Control	Temperature Control Accuracy	0.1 °C	0.2 °F
	Temperature Uniformity, at 20°C (68°F)	0.5 °C	1 °F
	Working Temperature Range, Lights On	10 to 45 °C	41 to 113 °F
	Working Temperature Range, Lights Off	0 to 45 °C	32 to 113 °F
	Humidity Setting Accuracy	1%	
	Humidity Fluctuation, at 80% RH Lights Off	(+/-) 10%	
	Humidity Uniformity, at 80% RH Lights Off	(+/-) 10%	
	Humidity Setting Range, Lights On	55 - 85% RH	
	Humidity Setting Range, Lights Off	55 - 90% RH	
	Humidifier Type	Ultrasonic	
	Ramping Capability for Temperature & Humidity	1 PPM	
Electrical and Safety	Power Required	230V / 50Hz / 60Hz	
	Max. Electrical Current	10A	
	Electrical Safety	Overcurrent NFB protection	
	Compressor Safety	Delay start protection, overload alarm	
Cooling Systems	Hot Gas Bypass System	Y	
	Water- or Air-Cooled Condenser	Y	
	Solenoid Valves	Y	
	Defrosting System (Time Adjustable)	Y	
	CFC Free Refrigerant	Y	
	Forced Air Circulation	Horizontal (back to front)	

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