

700L SPECIFICATION SHEET

BI-RI-PG-700



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	700	27.55	2030	79.92	2270	89
Width	1350	53.14	2100	82.67	2360	93
Depth	740	29.13	1110	43.7	1330	52

	NET WEIGHT		GROSS WEIGHT		WEIGHT LIMIT PER TRAY	
	Metric (kg)	Imperial (lb)	Metric (kg)	Imperial (lb)	Metric (kg)	Imperial (lb)
Weight	650	1433	830	1830	50	110.2

700L Standard Specifications

Growth Range	Working Volume	700 L / compartment	21.19 ft ³
	Growth Area		
	1 Tier	0.88 m ²	9.47 ft ²
	2 Tier	1.76 m ²	18.95 ft ²
	3 Tier	n/a	n/a
	4 Tier	n/a	n/a
	Growth Height		
	1 Tier	700 mm	27.55 in
	2 Tier	330 mm	13 in
	3 Tier	n/a	n/a
	4 Tier	n/a	n/a
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 60 °C	32 to 140 °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	50 - 85% RH	
	Humidity Setting Range, Lights Off	50 - 95% 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	Z190 Z4N / Z41N / Z4WN Z9 Z16	
	PAR pmol/m ² , 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	Four Compartment	
	Door	Double door Open right and left outside, safety anti-condensation tempered glass observation window with tight cover	
	Observation Window	Light tight cover, condensation free	
	Exterior Material	Powder coated Steel	
	Installation	Four caster wheels with levelling feet	
	HVAC	Internal	
	Shelving Tiers	2 stainless steel tray	
	Interior	Stainless Steel	
	Insulation (PU)	50 mm	1.97 in
	Power Connection	Mains cable with plug or NFB	