

Plant Growth Chamber LPGC-B1 Series



Plant Growth Chamber LPGC-B1 Series with 250 L/ 350 L/ 450 L/ 800 L/ 1000 L capacity is used to study or simulate different climatic conditions accurately. Offers without lighting: 0 to 50°C, with lighting: 10 to 50°C temperature range, without any humidity controller. Designed with double wall highly insulated stainless steel inner chamber with semi-circular arcs at its corners for easy cleaning.

Features

- Microprocessor controller for temperature, and light intensity, 30 programs
- Large LCD screen
- Lighting intensity: 0 to 12000 LX Four-grade adjustable LPGC-B10
- Lighting intensity: 0 to 25000 LX Four-grade adjustable LPGC-B11
- Lighting intensity: 0 to 30000 LX Four-grade adjustable LPGC-B12
- Lighting intensity: 0 to 35000 LX Four-grade adjustable LPGC-B13
- Lighting intensity: 0 to 35000 LX Four-grade adjustable LPGC-B14
- Simulates change in temperature and light in day/night accurately
- Double wall insulated chamber with semi-circular arcs
- 3 pcs of shelves
- R134a as a refrigerant
- 02 imported compressors, continuous running time

Applications:

Plant growth chambers are widely used in agriculture field, green room, environmental science for seed germination, breeding test, plant cultivation, and feeding of insects test etc. purpose.

Specifications

MODEL NO.	LPGC-B10	LPGC-B11	LPGC-B12
Chamber Volume	250 L	350 L	450 L
Shelves	3 (pcs)		
Display Resolution	0.1°C		
Temperature Range	Without Lighting: 0 to 50°C With lighting: 10 to 50°C		
Temperature Stability	± 1°C		
Temperature Uniformity	± 1.5°C		
Ambient Temperature	RT+5°C to 30 °C		
Humidity Range	No humidity controller		
Humidity Accuracy	No humidity controller		
Continuous Working Time	No less than 180 h		
Lighting Intensity	0 to 12000 LX Four-grade adjustable	0 to 20000 LX Four-grade adjustable	0 to 25000 LX Four-grade adjustable
Lighting type	Shelves illumination	Three surface illumination	
Interior Dimension (W × D × H)	580 × 510 × 835 mm	520 × 550 × 1140 mm	700 × 550 × 1140 mm
Exterior Dimension (W × D × H)	725 × 740 × 1550 mm	830 × 850 × 1850 mm	950 × 850 × 1850 mm
Power Consumption	1700 W	1700 W	2000 W
Power	220 V 50 Hz		

Specifications

MODEL NO.	LPGC-B13	LPGC-B14
Chamber Volume	800 L	1000 L
Shelves	3 (pcs)	
Display Resolution	0.1°C	
Temperature Range	Without Lighting: 0 to 50°C With lighting:10 to 50°C	
Temperature Stability	± 1 °C	
Temperature Uniformity	± 2.0°C	
Ambient Temperature	RT+5°C to 30 °C	
Humidity Range	No humidity controller	
Humidity Accuracy	No humidity controller	
Continuous Working Time	No less than 180 h	
Lighting Intensity	0 to 30000 LX Four-grade adjustable	0 to 35000 LX Four-grade adjustable
Lighting type	Shelves illumination (02 shelves)	
Interior Dimension (W × D × H)	965 × 580 × 1430 mm	900 × 580 × 1600 mm
Exterior Dimension (W × D × H)	1475 × 890 × 1780 mm	1410 × 890 × 1950 mm
Power Consumption	3700 W	3800 W
Power	380 V 50 Hz	

Optional Accessories:

- CO2 inlet
- CO2 controller
- RS485 connector
- Independent temperature-limiting alarm system