

Plant Growth Chamber LPGC-A1 Series



Plant Growth Chamber LPGC-A1 Series with 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, and 50 to 90 % RH humidity range. 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, humidity, and light intensity, 30 programs
- Large LCD screen
- Lighting intensity: 0 to 20000 LX Four-grade adjustable LPGC-A10
- Lighting intensity: 0 to 25000 LX Four-grade adjustable LPGC-A11
- Lighting intensity: 0 to 30000 LX Four-grade adjustable LPGC-A12
- Lighting intensity: 0 to 35000 LX Four-grade adjustable LPGC-A13
- 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
- O2 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-A10	LPGC-A11	LPGC-A12	LPGC-A13
Chamber Volume	300 L	450 L	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	± 1.5 °C		± 1.5 °C	
Ambient Temperature	RT+5°C to 30 °C			
Humidity Accuracy	± 5 to 7 % RH			
Continuous Working Time	No less than 180 h			
Lighting Intensity	0 to 20000 LX Four-grade adjustable	0 to 25000 LX Four-grade adjustable	0 to 30000 LX Four-grade adjustable	0 to 35000 LX Four-grade adjustable
Lighting type	Three surface illumination		Shelves illumination (02 shelves)	
Interior Dimension (W × D × H)	520 × 550 × 1140 mm	700 × 550 × 1140 mm	965 × 580 × 1430 mm	900 × 580 × 1600 mm
Exterior Dimension (W × D × H)	830 × 850 × 1850 mm	950 × 850 × 1850 mm	1475 × 890 × 1780 mm	1410 × 890 × 1950 mm
Power Consumption	1700 W	2050 W	3700 W	3800 W
Power	220 V 50 Hz		380 V 50 Hz	

Optional Accessories:

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