

labodam



***PLANT GROWTH  
CHAMBER LD-LPGC-C10***

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## Description:

Plant Growth Chamber LD-LPGC-C10 with 300 L capacity is used to study or simulate different climatic conditions accurately. It offers without lighting: 04 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.

## Application:

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.

## Features:

- Microprocessor controller for temperature, humidity, and light intensity, 30 programs
- Ensures precise and reliable control
- Large LCD screen
- Forced air circulation
- Lighting intensity: 0 to 20000 LX Six-grade adjustable
- 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
- One imported compressors, continuous running time
- Illumination using fluorescent lamp
- Independent temperature-limiting alarm

## Specification:

Model no.	LD-LPGC-C10	LD-LPGC-C11	LD-LPGC-C12
Chamber Volume	300 L	450 L	800 L
Shelves	3 (pcs)		
Display Resolution	0.1 °C		
Temperature Range	Without Illumination 04 – 50 °C With Illumination: 10 – 50 °C		
Temperature Stability	± 1 °C		
Temperature Uniformity	± 2 °C		
Ambient Temperature	RT + 05 °C to 30 °C		
Humidity Range	50 to 90 % RH		
Humidity Accuracy	± 5 to 7 % RH		
Continuous Working Time	Not less than 180 h		
Lighting Intensity	0 to 20000 LX Six-grade adjustable	0 to 25000 LX Six-grade adjustable	0 to 30000 LX Six-grade adjustable
Lighting type	Three surface illumination	Three surface illumination	Two shelves illumination
Interior Dimension (W × D × H)	520 x 550 x 1140 mm	700 x 550 x 1140 mm	965 x 580 x 1430 mm
Exterior Dimension (W × D × H)	830 x 850 x 1850 mm	950 x 850 x 1850 mm	1475 x 890 x 1780 mm
Power Consumption	1500 W	2050 W	3700 W
Power	220 V 50 Hz	220 V 50 Hz	380 V 50 Hz