



## ***GERMINATION CHAMBER (LED)***

***TE-4020/240L***

Equipment used to test the influence of environmental effects (light and temperature) on plant germination.

## Technical Characteristics

### TE-4020/240L

- Temperature: -10°C to 40°C;
- Temperature controller: Digital microprocessor with PID system with ramps and soaks;
- Sensor: PT-100;
- Control accuracy:  $\pm 0.3^{\circ}\text{C}$ ;
- Uniformity:  $\pm 1,0^{\circ}\text{C}$ ;
- Compressor: Hermetic 1/8HP, with CFC-free 134-A gas;
- Cooling capacity: 340 BTU/ha at 0°C;
- Indoor lighting: 24 Cool White LED Bulbs (3000 Lux);
- Insulation: Expanded Polyurethane;
- Photoperiod: Adjustment with a minimum lighting schedule every 1 minute, with a maximum of 20 programs;
- Circulation: Forced Ventilation;
- Humidity: Has an internal reservoir that provides humidity by natural evaporation;
- Capacity: 6 shelves;
- Maximum load limit per tray: 15kg;
- Security: Overheat thermostat above 40°C with audible alarm and automatic shutdown;
- Cabinet: In carbon steel with anti-corrosive treatment and electrostatic painting;
- External dimensions: Width = 550 mm x Height = 1490 mm x Depth = 620 mm;
- Volume: 240 liters;
- Weight: 49 kg;
- Power: 900 W;
- Voltage: 220V  $\pm 5\%$  60Hz;
- \*\* \*\* At 50Hz the cooling capacity may have a 10-15% power decrease;
- ACCOMPANIES: - 02 extra fuses - 04 Shelves - Instruction manual with Warranty Term;
- Internal dimensions: Width = 465 mm x Height = 720 mm x Depth = 450 mm;
- Drain: Condensate drain outlet at the rear of the machine;
- Resistance: Stainless steel, DR compatible;

## Benefits and Advantages

- It has an internal reservoir that provides moisture by natural evaporation
- Presence of superheat thermostat above 40°C with audible alarm and automatic shutdown for safety
- Micro-processed digital temperature controller with PID system with ramps and soaks
- It has PT-100 temperature sensor, which is the most accurate, increasing sensitivity
- Easy adjustment, providing agility
- High homogeneity
- Expanded polyurethane insulation for temperature conservation
- It has photoperiod with minimum lighting programming adjustment every 1 minute, with a maximum of 20 programs
- Internal lighting by LED lamps, which provides less internal heating compared to fluorescent lamps
- Easy maintenance
- IEC power input standard
- DR-compatible electrical system
- Rigid Quality Control, in which checks and tests guarantee the perfect functioning of the equipment, providing safety and client satisfaction
- Client service, to answer questions and provide explanations about the equipment and methodologies
- Possibility of adaptations according to the client needs, makes the equipment already of line a special equipment.