

Climate Chamber with Humidity Control Plant Growth Chamber

Characteristics:

- Double door structure, with high quality stainless steel to observe sample.
- 7.0 inch true color touch screen display, convenient to view historical temperature data and appointment auto start and stop.
- Full spectrum Multi-stage adjustable, 24 sections programmed Temp. LUX, RH controller.
- Full spectrum LED top light source design, high illumination, low thermal radiation, long service life, removable light partition, adjustable layer space.
- Internal humidification system. Small humidifier particles, high humidity uniformity, small water consumption, with automatic water intake, water shortage alarm function.
- The evaporator temperature is collectively controlled by the backflow valve and expansion valve, greatly prolonging the service life of the compressor.
- Imported high quality temperature sensor and compressor.



Main Technical Parameters:

Model		TRG-250	TRG-350	TRG-450
Cycle Mode		Forced convection, Rear micropore. Supply air in front of the plate.		
Function	Temp. Range	No humidification: 5-65°C; humidification: 10-60°C		
	Temp. Resolution Ratio	0.1°C		
	Temp. Motion	High Temp.: ±0.5°C Low Temp.: ±1°C		
	Temp. Uniformity	±1°C		
	Illumination (LX)	Full spectrum 0-30000LX many degrees for adjusting		
	Humidity Range	40%-95% RH		
	Humidity Motion	±5% RH		
Structure	Inner Chamber	SUS 304 stainless steel sheet		
	Outer Shell	Cold rolling steel electrostatic spraying exterior		
	Thermal Insulation Material	Polyurethane		
	Light barrier	Standard four layer full spectrum LED lamp board		
	Heater	Stainless steel heating tube		
	Power Rating	2.0kW	2.2kW	2.5kW
	Compressor	Imported air-cooled sealed compressor		
	Coolant	R134a		
	Defrost Structure	Automatic		
	Humidifying Control mode	Automatic		
Controller	Leading wire hole	The outer diameter of standard inflation port interface is 10mm		
	Temp. control mode	24 sections program		
	Temp. setting mode	Touch screen settings		
	Temp. display mode	7.0 inch true color touch screen display		
	Operation function	Fixed temperature operation, timing function, auto stop. Appointment start, Program operation		
	Program pattern	Standard configuration		
	Sensor	PT100 Temp. Sensor, Imported chip humidity sensor		
Specification	Additional function	Appointment start/off, Historical data curve query, U-disk data storage and export, deviation correction, Menu key locking, power failure compensation, power failure memory, loop self diagnosis, intelligent defrosting		
	Safety Device	Over temperature will automatically cut off the heating, long-term under temperature cut of the refrigeration system, protect the sample; loop self diagnosis		
	Inner Chamber Size (W*L*H) (mm)	600*500*840	630*580*960	630*670*1100
	Exterior Size (W*L*H) (mm)	794*876*1600	824*956*1720	824*1046*1860
	Packing Size (W*L*H) (mm)	893*1013*1850	943*1073*1960	923*1083*2110
	Volume	250L	350L	450L
	Load Per Rack	15kg		
	Shelf Space	120mm		
Accessory	(50/60HZ) Current Rating	AC220V/4.5A	AC220V/5.0A	AC220V/5.5A
	NW/GW (kg)	225/255	260/300	310/350
	Shelf	4		
Optional Accessories		Light barrier, USB interface and upper computer software, printer wireless SMS alarm, CO2 concentration control		