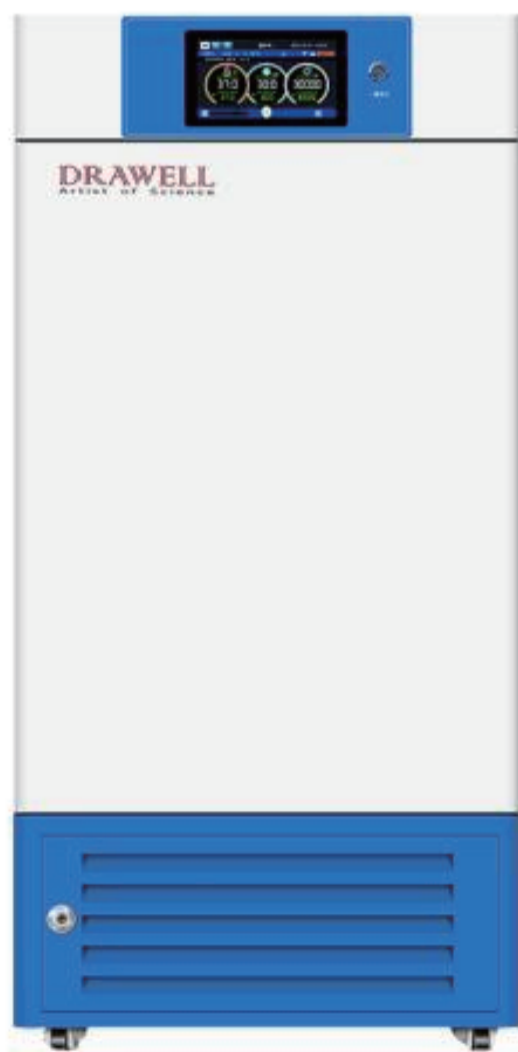


# DACD-150C DACD-250C DACD-350C DACD-460C Climate Chamber

## Features

- The product casing is made of high-quality galvanized sheet, with surface electrostatic spraying, presenting a beautiful appearance.
  - The studio is made of high-quality stainless steel, which is corrosion-resistant and resistant to aging. The inner container has a rounded edge transition and is equipped with a tempered glass door.
  - Using LED full-spectrum lighting is closer to natural light. The illumination intensity can be adjusted and the light uniformity is excellent.
  - The intelligent microcomputer control system is equipped with multiple safety measures such as compressor overheating protection and instrument failure protection, ensuring the safety of the experiment.
  - It adopts a variable-frequency compressor, featuring energy-saving, low noise, and no frosting problems.
  - Programmable control mode, with 100 levels of illumination and temperature settings, and automatic adjustment and conversion; it can automatically simulate changes such as day and night, different temperatures and humidities, and different illumination levels.
  - Using steam humidification, the humidification and moisture control are stable, with a humidity fluctuation range of  $\pm 5\%RH$ .
- It also has the functions of automatic water replenishment and power-off when water is insufficient.
- Additional functions such as printer installation, 485 interface, USB storage, and SMS alarm can be added. Changes in degree;
  - It can be equipped with a printer, 485 interface, SMS alarm and other functions.



## Specifications

Model	DACD-150C	DACD-250C	DACD-350C	DACD-460C
Circulation mode	Mandatory convection			
Operating temperature range	With light: 10°C - 65°C; Without light: 0°C - 65°C			
Temperature resolution	0.1°C			
Temperature fluctuation degree	±1°C			
Temperature distribution accuracy	±1.5°C (37°C)			
Humidity range	45% - 95% RH (ultrasonic humidification is optional for plant cultivation)			
Temperature fluctuation degree	±3%RH			
Illuminance (LX)	0-18000L0 - 45000 LX (Supports input illuminance)X		0 - 45000 LX (Supports input illuminance) LX	
Studio	304 mirror-finish stainless steel			
Lighting partition panel	Standard equipped with 2-layer full-spectrum LED lamp panel			
Heater	Stainless steel heating tube			
Compressor	Use variable-frequency compressor			
Rated power	800W	1000W	1200W	1400W
Refrigerant	R134A			
Defrosting mechanism	Automatically			
Temperature control method	Program control			
Temperature setting method	Touchscreen settings			
Temperature display method	7.0-inch touchscreen display			
Operating function	Setpoint Operation, Timed Operation, Automatic Start/Stop/Reservation Start, Program Control			
Program mode	100 program controls			
Sensor	PT100 temperature sensor			
Additional functions	Appointment for power on/off, query of historical temperature data curves, USB data storage and export, key lock of deviation correction menu, power outage compensation, power outage memory, loop self-diagnosis, intelligent defrosting			
Safety device	Overheating will automatically cut off the heating, and if the temperature is consistently too low, the refrigeration system will be shut down to protect the samples; the circuit has self-diagnostic function.			
Inner container dimensions (mm)	400×500×750	500×550×910	600×600×1000	650×650×1100
Overall dimensions (mm)	600×650×1330	700×705×1550	780×750×1605	845×805×1710
Packaging dimensions (mm)	770×735×1520	820×800×1660	870×860×1800	990×1040×1970
Content volume	150L	250L	350L	460L
Weight capacity of the partition board	15kg	15kg	15kg	15kg
Power supply	220V50HZ	220V50HZ	220V50HZ	220V50HZ
Partition	2 floors	2 floors	2 floors	2 floors
Can be equipped with accessories	Lighting partition, USB communication interface and upper computer software, printer, wireless SMS alarm system			