



# 2°C – 8°C Refrigerator

## Applications

Medical, Reagents, Biological, Vaccine, Blood Samples; Suitable for Medical, Electronics, Chemicals, R&D, University Research, Food Process.



Wide double layer window for easy observation



C.LAB-5L60



C.LAB-5L656  
C.LAB-5L1000



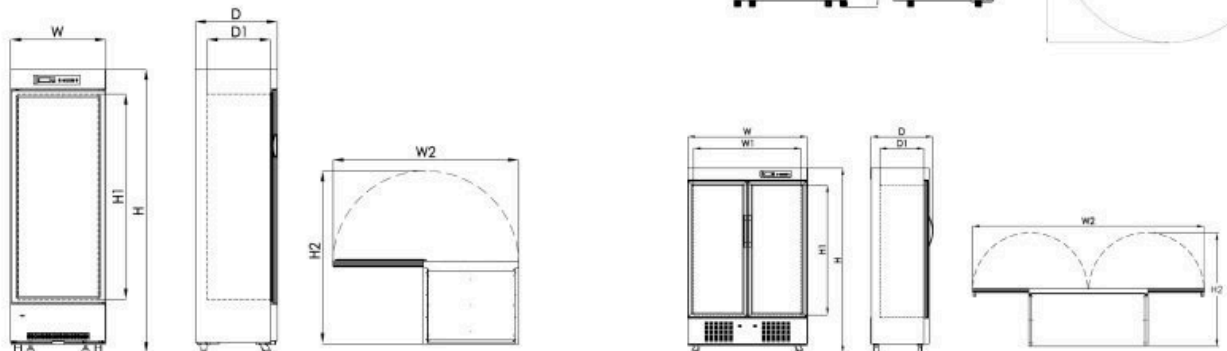
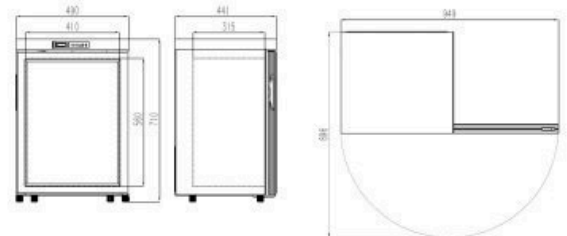
C.LAB-5L230  
C.LAB-5L310



Adjustable shelves



Strong mechanical convection to ensure better temperature uniformity



Outline & Door Opening Dimension

## Cooling System

- With stable and consistent internal cabinet temperature, Fast temp recovery after opening and closing the door.
- Temp. Range: 2 - 8°C
- With 50-60mm thick polyurethane foam insulation.
- Evaporator copper tube embedded in foam layer to prevent corrosion and to ensure heat transferring efficiency.
- Special designed compact finned condenser for better efficiency.
- Independent inner door to minimize leakage of cold air, ensuing uniform temperature within the refrigerator.

## Safety

- Magnetic sealed door automatically closes to ensure and heightens the refrigeration performance and operational reliability.
- Password protected control setting to prevent any unnecessary operating parameters from being modified
- Sturdy and durable overall frame structure.
- Antibacterial powdered inner and outer surface.
- Refrigeration system uses highly efficient and environmental friendly fluorine-free refrigerant.
- Controller equipped with rechargeable backup battery, which can display the main information such as alarm and internal temperature of the cabinet when the main power is cut off.
- Built-in mechanical lock to ensure safety of stored items.
- Built-in Castors for easy relocation when needed.
- Safe mode activates in the event of temperature sensor failure, ensuring the safe storage of items in the box.

## Temperature control and safety monitoring

- Temperature stability  $\pm 1.5^{\circ}\text{C}$
- Temp. Accuracy  $0.1^{\circ}\text{C}$
- Alarm mode: buzzer and flashing lights.
- Digital temperature display.
- High and Low temp. alarm.
- Alarm when doors are opened after an extended period of time.
- Power failure alarm.
- Record displays Date, Time, Min and Max Temp.
- Controller displays real-time temperature and alarm codes for easy use.

## Easy Operation

- Writable tag on each level.
- Wide double layer window for easy observation.
- LED lamp power switch together with control panel.
- Standard testing ports on right side for easy access to external test tools.
- Castors wheels for ease of maneuvering.
- Adjustable shelvings.
- Dip-treated shelf, effective in preventing rust and corrosion.
- Buzzing alarm can also be set to mute if required.
- Backup battery is charged while the refrigerator is in operation and its reusable characteristics minimize the adverse effects on the environment.
- Displays real time operating status of refrigerator on large screen of the controller for easy of reading.

## Technical Specifications

Model	C.LAB-5L60	C.LAB-5L230	C.LAB-5L310	C.LAB-5L656	C.LAB-5L1000
Temperature range [ °C ]	2 - 8				
Effective volume [ Liters ]	60	230	310	656	1000
Exterior dimensions W x D x H [ mm ]	490 x 441 x 710	625 x 594 x 1707	640 x 553 x 1880	1220 x 642 x 1885	1220 x 872 x 1885
Interior dimensions W1 x D1 x H1 [ mm ]	410 x 315 x 560	534 x 406 x 1150	540 x 425 x 1380	1100 x 454 x 1325	1100 x 684 x 1325
Door opening W2 x H2 [ mm ]	949 x 896	1219 x 1152	1250 x 1160	2367 x 1160	2367 x 1390
Insulation thickness [ mm ]	40	45	50	60	
Exterior finishing	White plastic coated galvanised steel				
Interior finishing	White plastic coated galvanised steel				
Shelves	2	4	5	10	10
Levels	3	4	5	10	10
Mechanical lock	Yes				
Battery	Yes				
Interior chamber temperature probe	Yes				
Controller type	LED				
Refrigerant type	HC				
Voltage/Frequency [ V / Hz ]	AC220 / 50				
Power [ W ]	72	140	215	310	310
Net Weight [ kg ]	33	73	92.5	158	207
Power failure alarm	Yes				
Temperature sensor failure alarm	Yes				
High / Low temperature alarm	Yes				
Door ajar alarm	Yes				
Temperature resolution [ °C ]	0.1				
Temperature uniformity [ °C ]	≤2				
Cooling Time [ h ]	≤0.8				
Certification	-	-	CE / RoHS		