

CE

-40°C Low Temperature Freezer

Applications

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



KDW-40L320

KDW-40L260



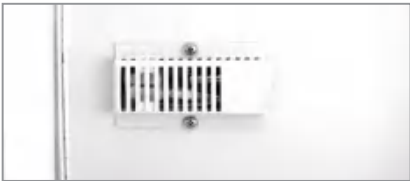
Magnetic door seal to ensure optimal sealing of door to fridge.



With sturdy aluminum alloy hinge.



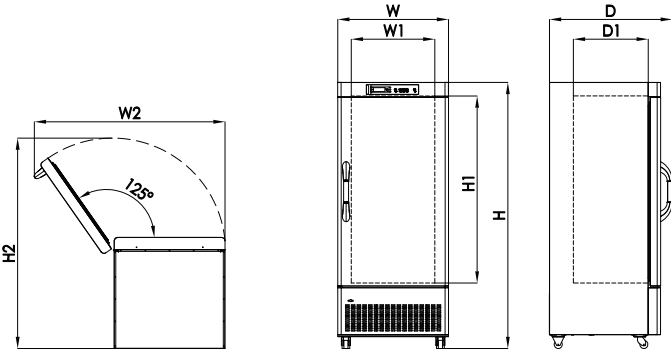
Independent inner doors to minimize cold air leakage.



Temperature sensor with protective cover to prevent contact with fridge or product.



Strong Magnet to ensure independent inner doors are fully sealed.



Outline & Door Opening Dimension

Cooling System

- With stable and consistent internal cabinet temperature, Fast temp recovery after opening and closing the door.
- Temp. Range: - 30°C - - 40°C
- With 80mm 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, ensuring 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 KLABS 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

- Temp. Accuracy 0.1°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

- Standard testing ports on right side for easy access to external test tools.
- Castors wheels for ease of maneuvering.
- Door frame can be heated to reduce condensation.
- Adjustable shelvings.
- Dip-treated shelf, effective in preventing rust and corrosion.
- Buzzer 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	KDW-40L260	KDW-40L320
Temperature range [°C]	-30 – -40	
Effective volume [Liters]	260	320
Exterior dimensions W x D x H [mm]	673 x 747 x 1630	673 x 747 x 1886
Interior dimensions W1 x D1 x H1 [mm]	508 x 455 x 1137	508 x 455 x 1393
Door opening W2 x H2 [mm]	1159 x 1158	1159 x 1158
Insulation thickness [mm]	80	
Exterior finishing	White plastic coated galvanised steel	
Interior finishing	White plastic coated galvanised steel	
Inner doors	4	5
Shelves	3	4
Levels	4	5
Mechanical lock	Yes	
Battery	Yes	
Interior chamber temperature probe	Yes	
Gasket heating	Yes	
Controller type	Digital screen	
Refrigerant type	HC	
Voltage/Frequency [V / Hz]	AC220 / 50	
Power [W]	300	
Net Weight [kg]	98.5	113
Power failure alarm	Yes	
Temperature sensor failure alarm	Yes	
High / Low temperature alarm	Yes	
Door open alarm	Yes	
Temperature resolution [°C]	0.1	
Temperature uniformity [°C]	≤6	
Cooling Time [h]	≤4.1	
Certification	CE / RoHS	

