Schnee

ALPINUM PRAZISION COLD CHAIN

Life Science Product
-25°C Low Temperature Freezer

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-25℃ Low Temperature Freezer

Applications

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

Iris-25L420

Iris-25L320

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.

Model	Nominal Volume	Power	No. of Inner Doors	Inner Dimension (W x D x H)mm	Outer Dimension (W x D x H)mm	Weight (Kg)
Iris-25L320	320	AC220-240V, 60Hz	4	508 x 455 x 1137	673 x 676 x 1630	98.5
Iris-25L420	420	AC220-240V, 60Hz	5	508 x 455 x 1393	673 x 676 x 1886	113

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Cooling System

- With stable and consistent internal cabinet temperature, Fast temp recovery after opening and closing the door.
- Temp. Range: - 10°C ~ - 25°C
- With 80mm thick polyurethane foam insulation
- Evaporator copper tube embedded in foam layer to prevent corrosion and to ensure heat transfering efficiency
- Special designed compact finned condenser for better efficiency
- Independent inner door to minimize leakage of cold air, ensuirng 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 unecessaryo perating 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, whichc an 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

Ease of Operation

- Standard testing ports on right side for easy access to exteral 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
- 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 larges creen of the controller for easy of reading

Technical Specifications

Model	Iris-25L320	Iris-25L420
Temperature range [℃]	-10 ~ -25	
Nominal Capacity [Liters]	320	420
Exterior dimensions W x D x H [mm]	673 x 676 x 1630	673 x 676 x 1886
Interior dimensions W x D x H [mm]	508 x 455 x 1137	508 x 455 x 1393
Door opening W x H [mm]	508 x 1137	508 x 1393
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	
Controller type	Digital screen	
Refrigerant type	Non HCFC	
Voltage/Frequency [V / Hz]	AC220-240V, 60Hz	
Weight [kg]	98.5	113
Power failure alarm	Yes	
Temperature sensor failure alarm	Yes	
High / Low temperature alarm	Yes	
Door open alarm	Yes	
Ttemperature resolution [℃]	0.1	
Temperature uniformity [℃]	≤4	
Cooling Time [h]	≤2.6	