

EXPLORER -86°C ULT Freezer



Features

- High-quality cold-rolled plates are used with surface powder coated to ensure durability and corrosion protection.
- The inner cavity of the box is made of high quality stainless steel (SS304), durable and easy to clean.
- Height adjustable stainless steel shelf bracket that can be loaded and unloaded, convenient for cleaning
- The insulation of the box is made of high-density polyurethane foam, and the thickness of the insulation layer is 126mm, which can reduce the loss of cold energy.
- Double-layer insulation structure for internal and external doors, unique sealing strip design, reducing air-conditioning loss and accelerating temperature recovery.
- Adjustable flat casters for easy movement and locking position.
- Touch screen interface with simple and convenient operation, and user permission settings ensure the sample is safe.

EXPLORER -86°C ULT Freezer

7" Touch screen
Front USB for data logging
Vent port enables fast sample access

Double door
Silent hinge
Non HCFC polyurethane insulation

Single hand openable

Muti layer gasket

Gasket heating

Enhanced heat transfer

Cascade refrigeration system

High efficient oil separate

Leveling caster

Height- adjustable shelves

Easy-clean filter

Mechanical lock

Ring latch hole

Remote alarm

Remote communication

Simultaneous restart
constraint

Power switch

Fuse



Series	EXPLORER		
Model	BDW-86L390	BDW-86L490	BDW-86L650
Temperature (°C)	-50 ~ -86		
Normal Capacity (L)	390	490	650
Exterior dimensions (mm) W x D x H	909 x 797 x 1990	909 x 929 x 1990	1091 x 929 x 1990
Interior dimensions (mm) W x D x H	589 x 505 x 1310	589 x 637 x 1310	780 x 637 x 1310
Door Opening (mm) W x H	589 x 1310	589 x 1310	780 x 1310
Insulation Thickness (mm)	126	126	126
Exterior Finishing	White plastic coated galvanised steel		
Interior Finishing	Stainless Steel		
Inner Door	2 / 4		
Shelves	3		
Levels	4		
Racks	16	16	20
Ring latch hole	Yes		
Mechanical lock	Yes		
Data Logger	Yes		
Battery	Yes		
Interior chamber temperature probe	Yes		
Vent Port	Yes		
Gasket Heating	Yes		
Controller Type	Touch Screen		
Refrigerant Type	Non HCFC		
Voltage/Frequency (V/Hz)	230/50		
Weight (kg)	283	325	354
High Condenser temperature	Yes		
Power Failure	Yes		
Temperature Sensor Failure	Yes		
Low Battery	Yes		
High / Low Temperature	Yes		
Door Open	Yes		
Noise (dBA)	≤ 68		
Cooling Time (h)	≤ 8		
Minimal Temperature (°C)	- 86		
Temperature uniformity (°C)	≤ 6		
Energy Consumption (kW) x24h	≤ 14	≤ 14	≤ 16

-40°C Low-Temp Freezer

Low-Temp Freezer for used to store biological products, reagents, vaccines, etc.; suitable for pharmaceutical, hospital, disease prevention, electronics, chemical industry, R&D, Institution, and food industry.



BDW-40L320



BDW-40L260



Magnetic strip seal to ensure efficient door sealing



Durable Aluminium alloy silent hinge



Individual inner door to ensure minimal loss of temperature



Temperature Sensor with protective casing to avoid monitoring discrepancy



Inner door with magnet to ensure closure

Model	Nominal Capacity	Power	Internal Dimensions (WxDxH)mm	External Dimensions (WxDxH)mm	Inner Doors	Weight (KG)
BDW-40L260	263L	AC220V/50Hz	508 x 455 x 1137	673 x 676 x 1630	4	98.5
BDW-40L320	332L	AC220V/50Hz	508 x 455 x 1393	673 x 676 x 1886	5	113

-40°C Low-Temp Freezer

Cooling System

- Stable and consistent internal temperature with quick recovery speed after opening and closing of doors
- Temperature range: -30 °C ~ -40 °C
- 80mm thick polyurethane foam insulation
- Insulated by the form layer, effectively avoid corrosion and ensure heat exchange effect
- Specially designed finned condenser circuit for high efficiency
- Independent inner door minimizes the leakage of cold air when opening the door, ensuring uniform temperature inside the cabinet

Security

- Magnetic sealing door closes automatically to ensure better cooling performance and operational reliability
- Controller settings protected with password to protect the operating parameters
- Sturdy overall frame structure ensures durability
- Inner and outer surface sprayed with antibacterial powder
- Refrigeration system uses highly efficient and environmentally friendly fluorine-free refrigerants
- The controller is equipped with a rechargeable backup battery, which can display alarms and cabinets when the main power supply is cut off. Main information such as temperature
- Built-in mechanical lock to ensure the safety of stored items
- Equipped with two movable and locked universal casters
- The safety mode can be operated automatically in the event of a temperature sensor failure, ensuring safe storage of items in the box

Temperature control and safety monitoring

- Control accuracy: 0.1 °C
- Alarm: buzzer and flashing light
- Temperature digital display
- High and low temperature alarm
- Opened door alarm
- Power failure alarm
- Records date, time, maximum and minimum temperatures
- Built-in temperature alarm and monitoring of the microprocessor controller
- The controller displays real-time temperature and alarm codes for easy use

Convenient operation

- Standard test holes on the right side of the cabinet to facilitate the use of external test tools
- Casters wheels to ease maneuvering
- Door frame can be heated to avoid condensation
- Adjustable shelf height
- Dip-treated shelf can effectively prevent rust and corrosion
- Buzzer alarm can be set to mute if required
- Backup battery is charged when the refrigerator is working normally
- Monitor the operating status of the refrigerator as well as storing and displaying the corresponding data in real time on the controller

Series	EXPLORER	
Model	BDW-40L260	BDW40L320
Temperature Range (°C)	-30 ~ -40	
Nominal Capacity (L)	263	322
External Dimension (mm) WxDxH	673 x 676 x 1630	673 x 676 x 1886
Internal Dimension (mm) WxDxH	508 x 455 x 1137	508 x 455 x 1393
Door Dimension (mm)	508 x 1137	508 x 1393
Insulation Thickness (mm)	80	
Exterior Finishing	White plastic coated galvanised steel	
Internal 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	
Refrigerant Type	Non HCFC	
Voltage Frequency (V / Hz)	AC220/50	
Weight (Kg)	98.5	113
Power Failure Alarm	Yes	
Temperature sensor failure alarm	Yes	
High / Low temperature alarm	Yes	
Door open alarm	Yes	
Temp. Resolution (°C)	0.1	
Temp. Uniformity (°C)	≤ 6	
Cooling time (h)	≤4.1	

-25°C Low-Temp Freezer

Low-Temp Freezer for used to store biological products, reagents, vaccines, etc.; suitable for pharmaceutical, hospital, disease prevention, electronics, chemical industry, R&D, Institution, and food industry.



BDW-25L320



BDW-25L260



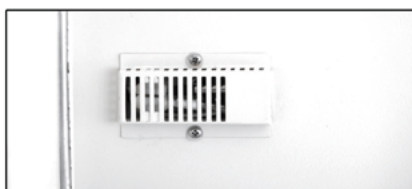
Magnetic strip seal to ensure efficient door sealing



Durable Aluminium alloy silent hinge



Individual inner door to ensure minimal loss of temperature



Temperature Sensor with protective casing to avoid monitoring discrepancy



Inner door with magnet to ensure closure

Model	Nominal Capacity	Power	Internal Dimensions (WxDxH)mm	External Dimensions (WxDxH)mm	Inner Doors	Weight (KG)
BDW-25L260	263L	AC220V/50Hz	508 x 455 x 1137	673 x 676 x 1630	4	98.5
BDW-25L320	332L	AC220V/50Hz	508 x 455 x 1393	673 x 676 x 1886	5	113

-25°C Low-Temp Freezer

Cooling System

- Stable and consistent internal temperature with quick recovery speed after opening and closing of doors
- Temperature range: -10 °C ~ -25 °C
- 80mm thick polyurethane foam insulation
- Insulated by the form layer, effectively avoid corrosion and ensure heat exchange effect
- Specially designed finned condenser circuit for high efficiency
- Independent inner door minimizes the leakage of cold air when opening the door, ensuring uniform temperature inside the cabinet

Security

- Magnetic sealing door closes automatically to ensure better cooling performance and operational reliability
- Controller settings protected with password to protect the operating parameters
- Sturdy overall frame structure ensures durability
- Inner and outer surface sprayed with antibacterial powder
- Refrigeration system uses highly efficient and environmentally friendly fluorine-free refrigerants
- The controller is equipped with a rechargeable backup battery, which can display alarms and cabinets when the main power supply is cut off. Main information such as temperature
- Built-in mechanical lock to ensure the safety of stored items
- Equipped with two movable and locked universal casters
- The safety mode can be operated automatically in the event of a temperature sensor failure, ensuring safe storage of items in the box

Temperature control and safety monitoring

- Control accuracy: 0.1 °C
- Alarm: buzzer and flashing light
- Temperature digital display
- High and low temperature alarm
- Opened door alarm
- Power failure alarm
- Records date, time, maximum and minimum temperatures
- Built-in temperature alarm and monitoring of the microprocessor controller
- The controller displays real-time temperature and alarm codes for easy use

Convenient operation

- Standard test holes on the right side of the cabinet to facilitate the use of external test tools
- Casters wheels to ease maneuvering
- Door frame can be heated to avoid condensation
- Adjustable shelf height
- Dip-treated shelf can effectively prevent rust and corrosion
- Buzzer alarm can be set to mute if required
- Backup battery is charged when the refrigerator is working normally
- Monitor the operating status of the refrigerator as well as storing and displaying the corresponding data in real time on the controller

Series	EXPLORER	
Model	BDW-25L260	BDW25L320
Temperature Range (°C)	-10 ~ -25	
Nominal Capacity (Liters)	263	322
External Dimension (mm) WxDxH	673 x 676 x 1630	673 x 676 x 1886
Internal Dimension (mm) WxDxH	508 x 455 x 1137	508 x 455 x 1393
Door opening (mm)W x H	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	
Gasket heating	Yes	
Controller Type	Digital	
Refrigerant Type	Non HCFC	
Voltage Frequency (V / Hz)	AC220/50	
Weight (Kg)	98.5	113
Power Failure Alarm	Yes	
Temperature Sensor Failure Alarm	Yes	
High/Low Temperature	Yes	
Door Open	Yes	
Temperature Resolution (°C)	0.1	
Temperature Uniformity (°C)	≤ 4	
Cooling time (h)	≤2.6	

2-20°C Refrigerator

2-20°C Refrigerator for used to store biological products, reagents, vaccines, etc.; suitable for pharmaceutical, hospital, disease prevention, electronics, chemical industry, R&D, Institution, and food industry.



Transparent glass door for ease of observation



Adjustable Shelves



Forced convection of the fan to ensure temperature balance in the tank

Model	Nominal Capacity	Power	Internal Dimensions (WxDxH)mm	External Dimensions (WxDxH)mm	Weight (KG)
BYC-5L310	317L	AC220V/50Hz	540 x 425 x 1380	640 x 552 x 1880	92.5
BYC-5L656	662L	AC220V/50Hz	1100 x 454 x 1325	1220 x 642 x 1885	158
BYC-5L1000	997L	AC220V/50Hz	1100 x 684 x 1325	1220 x 872 x 1885	207

2-20°C Refrigerator

Cooling System

Temperature range: 2 °C ~ 20 °C

- Forced air cooling circulation stabilizes and allow uniform internal temperature of the cabinet allowing temperature to recover efficiently
- When door is open, the fan is automatically stopped to prevent cold air circulation so as to keep temperature stabilized
- 60mm thick polyurethane foam insulation layer
- Finned condenser circuit is specially designed for high efficiency

Security

- Magnetic sealing door closes automatically to ensure better cooling performance and operational reliability
 - Controller settings protected with password to protect the operating parameters
 - Sturdy overall frame structure ensures durability
 - Inner and outer surface sprayed with antibacterial powder
 - Refrigeration system uses highly efficient and environmentally friendly fluorine-free refrigerants
 - The controller is equipped with a rechargeable backup battery, which can display alarms and cabinets when the main power supply is cut off.
- Main information such as temperature
- Built-in mechanical lock to ensure the safety of stored items
 - Equipped with two movable and locked universal casters
 - The safety mode can be operated automatically in the event of a temperature sensor failure, ensuring safe storage of items in the box

Temperature control and safety monitoring

- Control accuracy: 0.1 °C
- Alarm: buzzer and flashing light
- Temperature digital display
- High and low temperature alarm
- Opened door alarm
- Power failure alarm
- Records date, time, maximum and minimum temperatures
- Built-in temperature alarm and monitoring of the microprocessor controller
- The controller displays real-time temperature and alarm codes for easy use

Convenient operation

- See-through glass door for easy of observation
- Standard test holes on the right side of the cabinet to facilitate the use of external test tools
- Casters wheels to ease maneuvering
- Door frame can be heated to avoid condensation
- Adjustable shelf height
- Dip-treated shelf can effectively prevent rust and corrosion
- Buzzer alarm can be set to mute if required
- Backup battery is charged when the refrigerator is working normally
- Monitor the operating status of the refrigerator as well as storing and displaying the corresponding data in real time on the controller

Series	EXPLORER		
Model	BYC-5L310	BYC-5L656	BYC-5L1000
Temperature Range (°C)	2 - 20		
Nominal Capacity (L)	317	662	997
External Dimension (mm) W xDxH	640 x 552 x 1880	1220 x 642 x 1885	1220 x 872 x 1885
Internal Dimension (mm) W xDxH	540 x 425 x 1380	1100 x 454 x 1325	1100 x 684 x 1325
Door Opening (mm) WxH	540 x 1380	1100 x 1325	1100 x 1325
Insulation Thickness (mm)	50		
Exterior Finishing	White plastic coated galvanised steel		
Interior Finishing	White plastic coated galvanised steel		
Shelves	5	10	10
Levels	5	10	10
Mechanical Lock	Yes		
Battery	Yes		
Interior Chamber Temperature Probe	Yes		
Controller Type	Digital Screen		
Refrigerant Type	Non HCFC		
Voltage/Frequency (V / Hz)	AC220/50		
Weight (Kg)	92.5	158	207
Power Failure	Yes		
Temperature Sensor Failure	Yes		
High / Low Temperature	Yes		
Door Open	Yes		
Temp. Resolution (°C)	0.1		
Temp. Uniformity (°C)	≤ 2		
Cooling time (h)	≤0.8		