being | DEEP FREEZER & REFRIGERATORS |

-86°C Ultra Low Temperature Freezer

Application

- Offers optimal temperature conditions that needed in the medical and laboratory fields.
- Suitable for scientific research institutes, metal processing, biological engineering, blood stations, hospitals, health and epidemic
 prevention systems, university laboratories, military enterprises, etc.

Limits of Authority Management

• According to the needs of equipment management, different user permission of the freezer controller can be allocated to three levels: administrator, operator and visitor.



Technical Features

- The frame consists of white coated antibacterial sheet steel, to ensure durable and corrosion resistant.
- Freezer inner side is made of SS304, allowing the perfect and easy cleaning.
- Easily to install or uninstall shelves, and the height of shelves can be adjusted in order to fit different size storage.
- 126mm Non HCFC polyurethane insulation foam, independent inner door and multi-layer sealing gasket can minimize the loss of refrigeration capacity.
- Fixable castors are designed for easily relocation.
- User friendly touch screen offers at a glance any control and command function, also allowing a quick access to any recorded data and working status.
- Already passed CE and RoHS certification.



^cbeing





Extra interior chamber temperature probe



Standard racks & boxes, one-stop equipment



LN₂/CO₂ backup system Easy temperatures set to start or stop backup system

Manual and Auto models available

Chart recorder ≥7 days'data can be stored



Voltage stabilizer



Power input 160V-250V

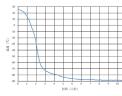
Power output 220V ∽ ±4%

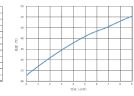
Over voltage 246V±4V

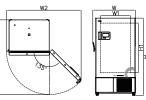
Action≤6S

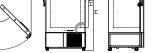
Technical Specifications

Model	BDW-86L390	BDW-86L490	BDW-86L650	BDW-86L770	
Temperature range (°C)		-50	86		
Nominal capacity (Liters)	390	490	650	770	
Exterior dimensions (mm) W x D x H	909 x 797 x 1990	909 x 929 x 1990	1091 x 929 x 1990	1091 x 1053 x 1990	
Interior dimensions (mm) W1 x D1 x H1	589 x 505 x 1310	589 x 637 x 1310	780 x 637 x 1310	780 x 760 x 1310	
Door opening (mm) W2 x H2	589 x 1310	589 x 1310	780 x 1310	780 x 1310	
Insulation thickness (mm)		1	26		
Exterior finishing		White plastic coat	ed galvanised steel		
Interior finishing		Stainle	ss steel		
Inner door			4		
Shelves		3			
Levels	4				
Racks (boxes)	16 (240)	16 (320)	20 (400)	20 (500)	
Ring latch hole		Y	es		
Mechanical lock		Y	es		
Data logger		Y	es		
Battery		Y	es		
Interior chamber temperature probe		Y	es		
Vent port		Y	es		
Gasket heating		Y	es		
Controller type	Touch screen				
Refrigerant type	Non HCFC				
Voltage/Frequency (V / Hz)	AC220 / 50				
Power (W)	1500 1800			1800	
Net Weight (kg)	318	332	410	490	
High condenser temperature alarm	Yes				
Power failure alarm	Yes				
Temperature sensor failure alarm	Yes				
Low battery alarm	Yes				
High / Low temperature alarm	Yes				
Door open alarm	Yes				
Sound pressure (dB)	≤ 53				
Cooling time (h)	≤6 ≤8				
Temperature uniformity (°C)	≤6				
Certification	CE / RoHS				









Temperature Decrease Cruve

Temperature Rise After Power Off

Outline & Door Opening Dimension



Application

- Offers optimal temperature conditions that needed in the medical and laboratory fields.
- Suitable for scientific research institutes, metal processing, biological engineering, blood stations, hospitals, health and epidemic prevention systems, university laboratories, military enterprises, etc.

Limits of Authority Management

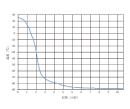
• According to the needs of equipment management, different user permission of the freezer controller can be allocated to three levels: administrator, operator and visitor.

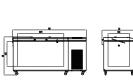


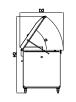
Side installed door opening air spring, can limit the door opening range, in order to convenient the operation of different height operator.

When the door was closed, it moving slowly to avoid safety risk of extrusion and collision.









Temperature Decrease Cruve

Temperature Rise After Power Off

Outline & Door Opening Dimension

Technical Features

- The frame consists of white coated antibacterial sheet steel, to ensure durable and corrosion resistant.
- Freezer inner side is made of SS304, allowing the perfect and easy cleaning.
- Easily to install or uninstall shelves, and the height of shelves can be adjusted in order to fit different size storage.
- 126mm Non HCFC polyurethane insulation foamand multi-layer sealing gasket can minimize the loss of refrigeration capacity.
- PU Castorsis silent and fixable, convenient to move and relocate.
- User friendly touch screen offers at a glance any control and command function, also allowing a quick access to any recorded data and working status.
- Good temperature uniformity.

Technical Specifications

Model	BDW-86W480	BDW-86W650	
Temperature range (°C)	-5086		
Nominal capacity (Liters)	480 650		
Exterior dimensions (mm) W x D x H	2050 x 956 x 1135	2050 x 1147 x 1135	
Interior dimensions (mm) W1 x D1 x H1	1310 x 589 x 637	1310 x 780 x 637	
Door opening (mm) W2 x H2	956 x 1135	1147 x 1135	
Insulation thickness (mm)	126		
Exterior finishing	White plastic coated galvanised steel		
Interior finishing	Stainless steel		
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]	AC220/50		
Power [W]	1130		
Net Weight [kg]	350	420	
High condenser temperature alarm	Yes		
Power failure alarm	Yes		
Temperature sensor failure alarm	Yes		
Low battery alarm	Yes		
High / Low temperature alarm	Yes		
Door open alarm	Yes		
Sound pressure [dBA]	≤53		
Cooling time [h]	≤5		
Temperature uniformity [°C]	≤3		

-40°C Low Temperature Freezer

Applications

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







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



With sturdy aluminum alloy hinge.

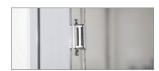


Independent inner doors to minimize cold air leakage.

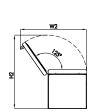


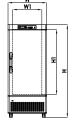
BDW-40L260

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 transfering efficiency.
- Special designed compact finned condenser for better efficiency. Independent inner door to minimize leakage of cold air.
- ensuiring 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, which 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 Operation

- Standard testing ports on right side for easy access to extenral 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	BDW-40L260	BDW-40L320	
Temperature range (°C)	-3040		
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)	8	30	
Exterior finishing	White plastic coat	ed 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		
Ttemperature resolution (°C)	0.1		
Temperature uniformity (°C)	≤6		
Cooling Time (h)	≤4.1		
Certification	CE / RoHS		

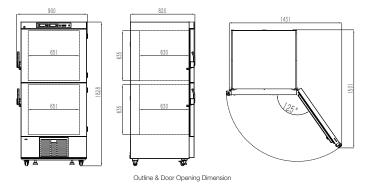
-20°C - -40°C Low Temperature Freezer

Applications

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







Cooling System

- Temperature Range: : -20°C -40°C .
- Microprocessing controller, LED display, temperature adjustment and display accuracy is 0.1℃.
- The outer door adopts unique sealing structure, which can ensure the freezer with good sealing and heat preservation performance.
- The upper and lower storage spaces with two completely independent cooling system, temperature control and display.
- Compressors are efficient and reliable.

Safety

- Build-in back-up battery to display temperature and alarm information for up to 8 hours, if AC power is failure.
- With high/low temperature alarm, sensor failure alarm, power failure alarm, door ajar alarm. Two ways of alarm: visual and audible.
- The handle has a padlock hole that can be used to provide an extra protection of security for storage.
- Button on the control panel can be locked to avoid setting parameters being changed due to misoperation.
- With compressor delay start protection function when power off restart.

- Efficient and environmentally friendly HC refrigerant is used.
- Build-in mechanical lock to ensure the safety of storage.
- Safe mode will be ran automatically in case of sensor failure to ensure the temperature for storage.

Easy Operation

- Door frame can be heated to avoid condensation.
- Standard testing ports for easy access to external test tools.
- Buzzing alarm can also be set to mute if required.
- Standard drawer, easy to storage and management.
- The bottom is provided with leveling feet to ensure the levelness of the freezer body during installation.
- In case of failure, the control screen displays real-time temperature and corresponding alarm code, which is convenient for trouble shooting.
- The specially designed handle can balance the pressure difference between inside and outside the chamber while pulling, to ensure outer door can be opened easily and smoothly.

Technical Specifications

Model	BDW-40L530D		
Temperature Range (°C)	-2040		
Effective Capacity (Liters)	265 × 2		
Insulation Thickness (mm)	95		
Exterior dimensions W x D x H (mm)	900 x 820 x 1828		
Up chamber Interior dimensions W1 x D1 x H1 (mm)	651 x 630 x 635		
Down chamber Interior dimensions W1 x D1 x H1 (mm)	651 x 630 x 635		
Door opening W2 x H2 (mm)	1431 x 1501		
Exterior Finishing	White Plastic Coated Galvanised Steel		
Interior Finishing	White Plastic Coated Galvanised Steel		
Levels	3 × 2		
Drawers	3 × 3 × 2		
Mechanical Lock	Yes		
Battery	Yes		
Temperature Sensor in Chamber	Yes		
Gasket Heating	Yes		
Controller Type	Digital Screen		
Refrigerant	HC		
Voltage/Frequency (V / Hz)	AC220 / 50		
Rated Power (W)	340		
Net Weight (kg)	160		
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)	≤6		
Pull Down Time (h)	≤4.1		

-25°C Low Temperature Freezer

Applications

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







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



With sturdy aluminum alloy hinge.



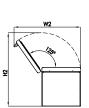




Temperature sensor with protective cover to prevent contact with fridge or product.



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: 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, ensuiring 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, which 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.

Easy Operation

- Standard testing ports on right side for easy access to extenral 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	BDW-25L260	BDW-25L320	
Temperature range (°C)	-1025		
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)	8	30	
Exterior finishing	White plastic coat	ed galvanised steel	
Interior finishing	White plastic coat	ed 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	HC		
Voltage/Frequency (V / Hz)	AC220 / 50		
Power [W]	280		
Net 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 (°C)	0.1		
Temperature uniformity (°C)	≤4		
Cooling Time (h)	≤2.6		
Certification	CE / RoHS		

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

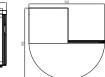


BYC-5L60 BYC-5L656 BYC-5L1000



L656 .1000

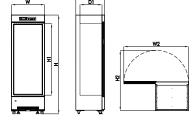


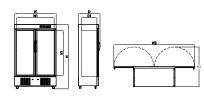


BYC-5L230 BYC-5L310



Strong mechanical convention 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 transfering efficiency.
- Special designed compact finned condenser for better efficiency.
- Independent inner door to minimize leakage of cold air, ensuiring 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

- Temperature stablity ±1.5°C
- 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

- 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 larges creen of the controller for easy of reading.

Technical Specifications

Model	BYC-5L60	BYC-5L230	BYC-5L310	BYC-5L656	BYC-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 D1x 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)	949x 896	1219 x 1152	1250 x 1160	2367 x 1160	2367 x 1390
Insulation thickness (mm)	40 45 50 60			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				
Ttemperature resolution (°C)	0.1				
Temperature uniformity (°C)	≤2				
Cooling Time (h)	≤0.8				
Certification	- CE/RoHS				

2°C - 8°C / -10°C - -25°C Refrigerator

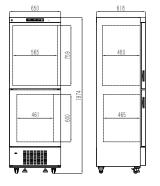
Application

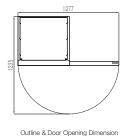
Suitable for pharmacy, pharmaceutical factory, hospital, clinic, disease control and prevention center, it is a professional equipment for refrigerating medicine.

Suitable for hospital, disease control and prevention center, electronics, chemicals, R&D, laboratory, food processing Can be used for electronics, chemicals, R&D, laboratory of university, food processing. Also can be used to store biological product, reagent, vaccine, etc.









Cooling System

- Temperature Range: 2°C -8°C , -10°C --25°C .
- Microprocessing controller, LED display, temperature adjustment and display accuracy is 0.1°C.
- The outer door adopts unique sealing structure, which can ensure the freezer with good sealing and heat preservation performance.
- The upper and lower storage spaces with two completely independent cooling system, temperature control and display.
- The refrigerator adopts fan motor with more safe and can keep lubrication permanently, so it can be used longer.
- The forced air cooling circulation of the refrigerator can keep the temperature inside the chamber stable and unified, also can make the temperature quickly recover after outer door closed.
- Compressors are efficient and reliable.

Safety

- Build-in back-up battery to display temperature and alarm information for up to 8 hours, if AC power is failure.
- With high/low temperature alarm, sensor failure alarm, power failure alarm, door ajar alarm. Two ways of alarm: visual and audible.
- Button on the control panel can be locked to avoid setting parameters being changed due to misoperation.

- With compressor delay start protection function when power off restart.
- Efficient and environmentally friendly HC refrigerant is used.
- Build-in mechanical lock to ensure the safety of storage.
- Safe mode will be ran automatically in case of sensor failure to ensure the temperature for storage.

Easy Operation

- Buzzing alarm can also be set to mute if required.
- Standard testing ports for easy access to external test tools.
- Standard drawer and basket, easy to storage and management.
- The freezer has two storage spaces with different temperature ranges, up and down.
- The bottom is provided with leveling feet to ensure the levelness of the freezer body during installation.
- In case of failure, the control screen displays real-time temperature and corresponding alarm code, which is convenient for trouble shooting.

Technical Specifications

Model	BDW-25L300RF	
Temperature Range (°C)	R: 2 - 8; F: -1025	
Effective Capacity (Liters)	R: 200; F: 100	
Exterior Dimensions (mm) W x D x H	650 x 618 x 1974	
Interior Dimensions (mm) W1 x D1 x H1	R: 565 x 480 x 759 F: 461 x 465 x 600	
Door Opening (mm) W2 x H2	1277 x 1235	
Insulation Thickness (mm)	40 / 90	
Exterior Finishing	White Plastic Coated Galvanised Steel	
Interior Finishing	Blister	
Shelves	2	
Drawers	3	
Levels	6	
Mechanical Lock	Yes	
Battery	Yes	
Temperature Sensor in Chamber	Yes	
Controller Type	Digital Screen	
Refrigerant	HC	
Voltage/Frequency (V / Hz)	AC220 / 50	
Rated Power (W)	330	
Net Weight (kg)	100	
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 / ≤4	
Pull Down Time (h)	≤0.8 / ≤2.6	