



Blood Bank Solutions

Automated Blood Management Refrigerator



Information Flow



- Microcomputer Control**
 The temperature inside the unit is controlled within $4\pm 1^{\circ}\text{C}$ with temperature control accuracy of 0.1°C and the large high-definition LCD touch screen display makes it convenient to observe.
- Multiple Fault Alarms**
 High/low temperature alarm, power failure alarm, door ajar, sensor error alarm, and low battery alarm. It is configured with remote alarm interface with two alarm modes (sound buzzer alarm and light flashing alarm).
- Inverter Compressor**
 High efficiency and energy saving, low noise and long service life.
- Speed Control Condenser Fan**
 High efficiency and energy saving, low noise and long service life.
- Three-layer Glass Foam Door**
 With large viewing three-layer glass foam door design, surface glass with LOW-E film to reduce heat transfer efficiency with no condensation at 25°C and 85% humidity environment.
- Double Protection of Mechanical Door Lock and Electromagnetic Lock**
 Electromagnetic lock can realize NFC card punching unlocking and fingerprint unlocking function.
- Standard USB Port**
 With optional disc temperature recorder.

Operation Instructions

Blood Bag Inbound:



Blood Bag Outbound:



Specifications

Product Model No.	Voltage (V/Hz)	Internal Temperature ($^{\circ}\text{C}$)	External Dimension (W*D*H mm)	Internal Dimension (W*D*H mm)	Effective Volume (L)	NW / GW (Kg)	Stainless Steel Shelf (layers)	Loading Capacity (400 ml blood bag)
HXC-429TR	230V-50/60Hz	4 ± 1	625*940*1830	505*680*1315	429	190/230	5	120
HXC-629TR	230V-50/60Hz	4 ± 1	765*940*1980	645*680*1455	629	235/280	6	192
HXC-1369TR	230V-50/60Hz	4 ± 1	1545*940*1980	1425*680*1455	1369	430/490	12	384

Automated Blood Management

Scope of Application

Suitable for blood transfusion departments, operating rooms, and emergency rooms, etc. of the hospitals

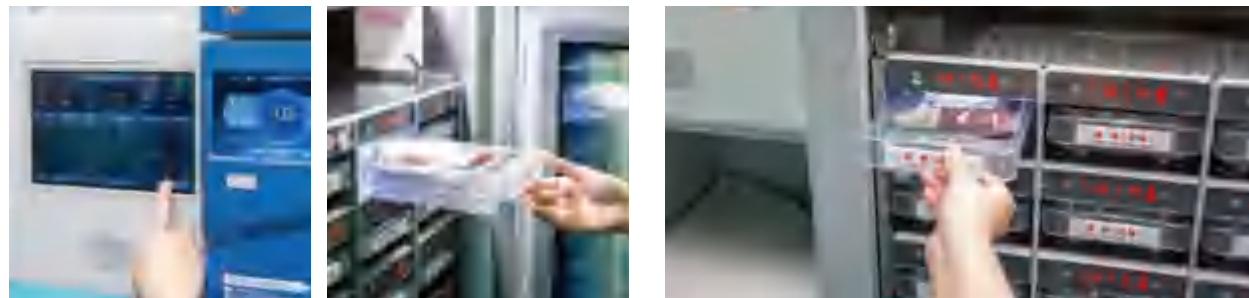
Product Advantages

Drastically Improves the Speed of Delivery

Innovative blood bank system, enables the blood to be advanced to the operating room to achieve 1-minute rapid blood collection.

Reduce Waste and Improve Efficiency

Electronic blood matching within 1 minute, reducing the cross matching time and reagent consumption. Quick and precise blood matching, combined with intelligent lighting indicators guide, guarantees the accurate identification and safe use of blood, without waste.



Intelligent Blood Management System

Allows integration and coordination of blood recovery within hospitals and blood allocation between hospitals and even across regions through the blood network cloud platform. Enabling the rational use of blood upon demand, thus reducing resource consumption.



Intelligent Blood Management System

Quickly and accurately identify blood bag location using onboard blood information management system.

The patient's blood matching information is shown and a blood bag automatically selected and a request for the bag is sent.

The system reads the blood information and light up indicators guide the user to the correct blood bag location.

Blood information is cross-checked and blood is issued. Inventory is automatically updated within the blood management system.

Specifications

Model	HXC-149R		HXC-429R		HXC-629R		HXC-629RB			
Technical Data	Type	Drawer-Type		Drawer-Type		Drawer-Type		Drawer-Type		
	Climate Class	N		N		N		N		
	Cooling Type	Forced air cooling		Forced air cooling		Forced air cooling		Forced air cooling		
	Defrost Mode	Auto		Auto		Auto		Auto		
	Refrigerant	R600a		R600a		R600a		R600a		
Performance	Sound Level (dB(A))	40		41		41		41		
	Temperature Range (°C)	4±1		4±1		4±1		4±1		
Control	Ambient Temperature (°C)	16-32		16-32		16-32		16-32		
	Controller	Microprocessor		Microprocessor		Microprocessor		Microprocessor		
Electrical Data	Display	LCD Touchscreen		LCD Touchscreen		LCD Touchscreen		LCD Touchscreen		
	Power Supply (V/Hz)	220-240/50	230-/50/60	220-240/50	230-/50/60	220-240/50	230-/50/60	115/60		
	Power (W)	250		280		300		300		
	Electrical Current (A)	1.5		1.8		1.9		3		
Construction	Power Consumption (kWh/24h)	2.6		2.9		3.1		3.6		
	Capacity (L/Cu.Ft)	149/5.3		429/15.1		629/22.2		629/22.2		
	Blood Storage Capacity (450ml blood bags)	18		60		88		88		
	Net/Gross Weight (approx)	kg	129/179		245/280		295/335		295/335	
		lbs	283.8/ 393.8		539/616		649/737		649/737	
	Interior Dimensions (W*D*H)	mm	505*560*610		505*680*1315		645*680*1455		645*680*1455	
		in	19.7*32.3*23.8		19.7*26.5*51.3		25.2*26.5*56.7		25.2*26.5*56.7	
	Exterior Dimensions (W*D*H)	mm	625*820*1425		925*940*1830		1065*940*1980		1065*940*1980	
in		24.4*30.2*55.6		36.1*36.7*71.4		41.5*36.7*77.2		41.5*36.7*77.2		
Packing Dimensions (W*D*H)	mm	740*945*1575		725*985*1940		875*995*2090		875*995*2090		
	in	28.9*36.9*61.4		28.3*38.4*75.7		34.1*38.8*81.5		34.1*38.8*81.5		
Loading Quantities	Container load (20'/40'/40'H)	18/36/36		18/35/35		12/26/26		12/26/26		
Alarms	High/Low Temperature	Y		Y		Y		Y		
	Power Failure	Y		Y		Y		Y		
	Sensor Error	Y		Y		Y		Y		
	Low Battery	Y		Y		Y		Y		
	Door Ajar	Y		Y		Y		Y		
Accessories	Caster	4		4		4		4		
	Foot	2		2		2		2		
	Porthole	Y		Y		Y		Y		
	Drawers	9		30		44		44		
	USB Interface	Y		Y		Y		Y		
	Temperature Recorder	Y		Y		Y		Y		
	Remote Alarm	Y		Y		Y		Y		
Certifications	CE	Y	/	Y	/	Y	/	/		
	UL	/	Y	/	Y	/	Y	Y		

R suffix - RFID with IoT model for blood bag management
 Product appearance and specifications are subject to change without notice

Unattended Self-service Blood Distribution Refrigerator

Self-Service Blood Distribution with Smart IoT Technology

Self-service blood distribution for blood transfusion departments

- After blood cross matching is completed for the blood bags, specified blood collection permissions will be allocated to the different blood using departments to achieve self-help blood distribution; self-help blood collection at night can save labor cost and improve efficiency.

Mobile blood storage points set up by blood stations

- The refrigerators may be used as mobile blood storage points in hospitals to guarantee the applications of emergency blood use, achieve zero waiting for blood use, and guarantee the timely blood use of patients.



HXC-629ZZ

Product Advantages

Electronic checking and bar code management

- Blood bag warehouse-in and warehouse-out management can be achieved by scanning the blood donation codes and the product codes on the bags.
- The system can take the specified blood bags for the work staff accurately after identifying the operators and checking the blood bags to be error-free.



A drawer corresponds to a lock

Safe and reliable, making blood collection process traceable

- Equipped with fingerprint module and NFC card punching module, providing dual permission modes to open the electromagnetic lock;
- Each drawer is equipped with an independent electronic lock to ensure that only the unique and correct blood bag can be taken out in each blood collection operation;
- The camera module can take photos of the operators automatically and transmit them to the platform to achieve operation information traceability.



Self-service printing

Ergonomic design

- Smart dual screen setting realizes simple and intuitive LCD screen display and better user-machine interactions.
- Upon checking of the warehouse-out blood bag's information, self-help printing of Blood Collection Sheet for Clinical Blood Transfusion and Blood Distribution Record Sheet is available.

User-machine interaction, making management visual

- The intelligent blood management system can display the blood donation codes, product codes, blood types, blood quantities, expiry dates and other information of the stored blood bags in real time, realizing one-key query of the stock blood information.
- It can clearly show the storage location of the blood bag with the closest expiry date and follow the first-in-first-out management practices.

Real-time control of freezer temperature

- Double temperature control composed of 6 high precision sensors and mechanical thermostat against low temperature makes control more accurate and maintains the refrigerator temperature constant at 4±1°C.

Specifications

Model	Voltage (V/Hz)	Power (W)	Temperature inside the refrigerator (°C)	Uniformity (°C)
HXC-629ZZ	220-240/50/60	300	2-6	4±1

External dimensions (W*D*H mm)	Internal dimensions (W*D*H mm)	Effective volume (L)	Blood bag volume (400ml blood bag)	Overall construction
1290*940*1980	645*680*1455	629	72	Single door

Advanced Blood Bank Refrigerator with LCD Touchscreen



HXC-1369T

HXC-629T

HXC-429T

HXC-149T

Product Advantages

**Control Interface**

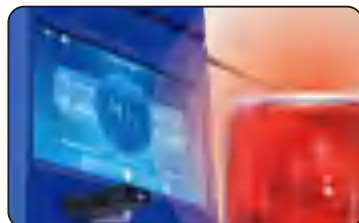
- The simple and intuitive high-definition LCD touch screen can display temperature graph, working status, events and alarm record.

**Microprocessor Control**

- A dual control system of six high-precision sensors and mechanical thermostat ensures that the temperature inside the cabinet is maintained at $4\pm 1^{\circ}\text{C}$.

**Stable and Reliable Operation**

- The refrigeration system is powered with a high-quality, energy-efficient inverter compressor and variable speed fan motors. Temperature control responds quickly and reliably for a more uniform temperature using less power and lower noise.

**Multiple Safety Protection**

- Multiple alarms include high and low temperature, power failure, door ajar, sensor error, and low battery. Sound buzzer, visual flashing light and remote contacts are standard alarm features. Built-in battery provides power to the alarm system in the event of a main power failure. Fingerprint and standard NFC swipe card module are optional.
- Optional fingerprint and standard NFC swipe card module.

Advanced Blood Bank refrigerator with LED Display

139/140



HXC-1369

HXC-629

HXC-429

HXC-149

Product Advantages

**With Multiple Temperature Control to Guarantee Constant and Precise Temperature**

- The inside temperature is constant within $4\pm 1^{\circ}\text{C}$, the digital temperature display resolution at 0.1°C .
- Equipped with 6 high-precision sensors and a mechanical thermostat which enables more accurate air cooling and temperature control to ensure uniform temperature inside the unit, maintained within the specified temperature range. The multi-layer inner door design reduces thermal loss after door openings and further ensures the temperature stability inside the cabinet.

**With Multiple Safety Guarantees to Provide Worry-Free Service**

- Equipped with complete alarm function, including alarm on high and low temperature, power failure, door ajar, sensor error, and low battery. Two alarm modes including audible buzzer and visual lights with remote alarm interface.
- Back-up battery design ensures alarm and temperature readings continue to operate in the event of a main power failure.
- NFC swipe card module, with safer storage management.

**Standard USB Interface**

- Ability to record temperature data for ten years by using the USB interface, an optional disc temperature recorder is also available

Blood Bank Refrigerator

Specifications

Model	HXC-149		HXC-429		HXC-629		HXC-629B		HXC-1369		HXC-149T		HXC-429T		HXC-629T		HXC-629TB		HXC-1369T			
Technical Data	Type	Basket-Type		Basket-Type		Basket-Type		Basket-Type		Basket-Type		Drawer-Type		Drawer-Type		Drawer-Type		Drawer-Type		Drawer-Type		
	Climate Class	N		N		N		N		N		N		N		N		N		N		
	Cooling Type	Forced air cooling		Forced air cooling		Forced air cooling		Forced air cooling		Forced air cooling		Forced air cooling		Forced air cooling		Forced air cooling		Forced air cooling		Forced air cooling		
	Defrost Mode	Auto		Auto		Auto		Auto		Auto		Auto		Auto		Auto		Auto		Auto		
	Refrigerant	R600a		R600a		R600a		R600a		R600a		R600a		R600a		R600a		R600a		R600a		
	Sound Level (dB(A))	39		40		40		41		41		39		40		40		41		41		
Performance	Temperature Range (°C)	4±1		4±1		4±1		4±1		4±1		4±1		4±1		4±1		4±1		4±1		
	Ambient Temperature (°C)	16-32		16-32		16-32		16-32		16-32		16-32		16-32		16-32		16-32		16-32		
Control	Controller	Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		
	Display	LED		LED		LED		LED		LED		LCD		LCD		LCD		LCD		LCD		
Electrical Data	Power Supply (V/Hz)	220-240/50 230-/50/60		220-240/50 230-/50/60		220-240/50 230-/50/60		115/60		220-240/50 230-/50/60		220-240/50 230-/50/60		220-240/50 230-/50/60		220-240/50 230-/50/60		115/60		220-240/50 230-/50/60		
	Power (W)	240		245		255		255		400		240		245		255		255		400		
	Electrical Current (A)	1.4		1.5		1.5		3		2		1.4		1.5		1.5		3		2		
	Power Consumption (kWh/24h)	2.5		2.8		2.9		3.6		3.5		2.5		2.8		2.9		3.6		3.5		
Construction	Capacity (L/Cu.Ft)	149/5.3		429/15.1		629/22.2		629/22.2		1369/48.3		149/5.3		429/15.1		629/22.2		629/22.2		1369/48.3		
	Blood Storage Capacity (450ml blood bags)	60		195		312		312		624		60		195		312		312		624		
	Net/Gross Weight (approx)	kg	97/125		169/204		187/217		187/217		345/410		108/136		182/217		212/252		212/252		380/445	
		lbs	213.4/275		371.8/448.8		411.4/477.4		411.4/477.4		759/902		237.6/299.2		400.4/477.4		466.4/554.4		466.4/554.4		836/979	
	Interior Dimensions (W*D*H)	mm	505*560*610		505*680*1315		645*680*1455		645*680*1455		1425*680*1455		505*560*610		505*680*1315		645*680*1455		645*680*1455		1425*680*1455	
		in	19.7*32.3*23.8		19.7*26.5*51.3		25.2*26.5*56.7		25.2*26.5*56.7		55.6*26.5*56.7		19.7*32.3*23.8		19.7*26.5*51.3		25.2*26.5*56.7		25.2*26.5*56.7		55.6*26.5*56.7	
	Exterior Dimensions (W*D*H)	mm	625*820*1150		625*940*1830		765*940*1980		765*940*1980		1545*940*1980		625*820*1150		625*940*1830		765*940*1980		765*940*1980		1545*940*1980	
		in	24.4*30.2*44.9		24.4*36.7*71.4		29.8*36.7*77.2		29.8*36.7*77.2		60.3*36.7*77.2		24.4*30.2*44.9		24.4*36.7*71.4		29.8*36.7*77.2		29.8*36.7*77.2		60.3*36.7*77.2	
Packing Dimensions (W*D*H)	mm	720*920*1220		725*985*1940		875*995*2090		875*995*2090		1610*995*2090		720*920*1220		725*985*1940		875*995*2090		875*995*2090		1610*995*2090		
	in	28.1*35.9*47.6		28.3*38.4*75.7		34.1*38.8*81.5		34.1*38.8*81.5		62.8*38.8*81.5		28.1*35.9*47.6		28.3*38.4*75.7		34.1*38.8*81.5		34.1*38.8*81.5		62.8*38.8*81.5		
Loading Quantities	Container load (20'/40'/40'H)	18/38/76		18/35/35		12/26/26		12/26/26		7/14/14		18/38/76		18/35/35		12/26/26		12/26/26		7/14/14		
Alarms	High/Low Temperature	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		
	Power Failure	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		
	Sensor Error	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		
	Low Battery	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		
	Door Ajar	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		
	Dirty condenser	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		
Accessories	Caster	4		4		4		4		4		4		4		4		4		4		
	Foot	2		2		2		2		2		2		2		2		2		2		
	Porthole	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		
	Baskets	6		15		24		24		48		6		15		24		24		48		
	Shelves/Drawers	2/0		5/0		6/0		6/0		12/0		0/2		0/5		0/6		0/6		0/12		
	Inner doors	2		5		6		6		12		0		0		0		0		0		
	USB Interface	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		
	Remote Alarm	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		
Temperature Recorder	Optional		Y		Y		Y		Y		Optional		Y		Y		Y		Y			
Certifications	CE	Y	/	Y	/	Y	/	/	Y	/	Y	/	Y	/	Y	/	/	/	Y	/		
	UL	/	Y	/	Y	/	Y	Y	/	Y	/	Y	/	Y	/	Y	Y	Y	/	Y		

T suffix - Advanced with touchscreen

Product appearance and specifications are subject to change without notice

4°C Blood Bank Refrigerator

143/144

Haier Biomedical's 4 °C Medical Blood Bank Refrigerator:
High efficiency, energy-saving, safe and reliable, smart control.



HXC-106



Microprocessor Control System

The temperature range is $4 \pm 1^\circ\text{C}$, with temperature accuracy of 0.1°C .



Air Cooling Design

The temperature in all corners of the cabinet is maintained within the calibrated temperature range, and the test hole design is added to meet the actual needs of the user.



Multiple Fault Alarms

High and low temperature alarm, power failure alarm, door ajar alarm, sensor error alarm, low battery with a remote alarm interface, two alarm modes (sound beeping alarm and light flashing alarm).



Multiple Protection

Startup delay protection, stop interval protection, display panel password protection, power failure memory data protection, sensor error protection.



Remote Alarm Function

Can connect alarm to other rooms to achieve alarm function.



Automatic Evaporation of Condensed Water after Collection

Avoid the trouble of manual treatment of condensed water.

Product Features

Door design

Vertical single door design, double layer electric heated glass door and self-closing function.

Materials

The shell and inner liner are sprayed with steel plate, which is anticorrosive and bacteriostatic.

Compressor

Deeply optimized refrigeration system, international brand compressor, energy saving, low noise, long service life.

Interior lighting:

The cabinet is equipped with LED lights and external independent light switches.

Door lock and door lock alarm:

Prevent random door opening.

Door handle:

Easy to open

Foot:

Stable and adjustable

LED digital display:

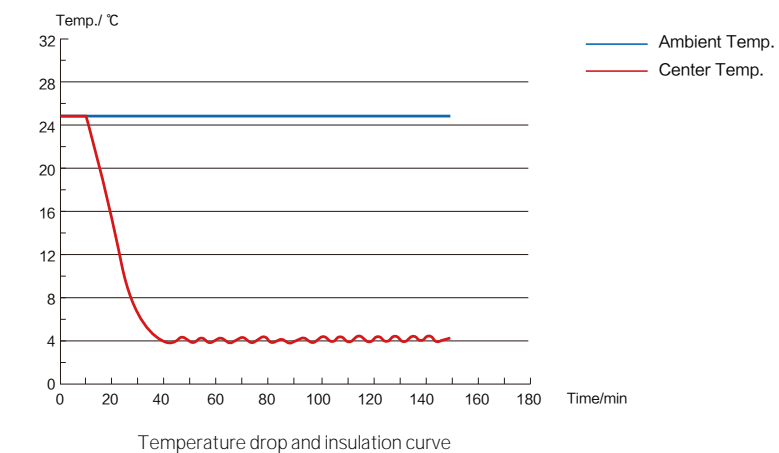
The internal temperature $2-6^\circ\text{C}$, digital display of upper and lower temperature, the average temperature display and the resolution of 0.1°C .

Air cooling design:

Ensure that the temperature in any corner of the box is maintained within the calibration temperature range.

The temperature measuring box is used to monitor the temperature in the cabinet in real time.

3 shelves, 4 blood baskets, blood basket with a label slot, easy to label. Capable of storing 54 bags of 400ml blood totally.



Vehicle-mounted Blood Bank Refrigerator

Vehicle-mounted blood bank refrigerator is designed for mobile blood collection vehicles and housing, providing a safe and secure 2-6°C storage environment after the blood has been collected.



HXC-279

World-class DC compressor

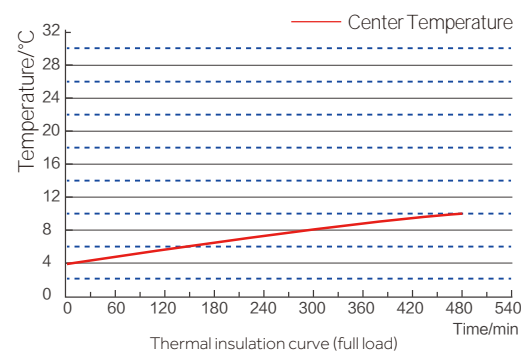
Manufactured with international brand compressor, the vehicle-mounted refrigerator is stable under all transport conditions.

Safe storage and optimum operation experience

- 60mm thick foam layer, superior insulation, ensuring the temperature is stable in the refrigerator;
- Five shelves and five inner doors design minimizes the cold loss;
- 15 blood baskets with labels. The maximum blood storage capacity is 120 bags (400ml);

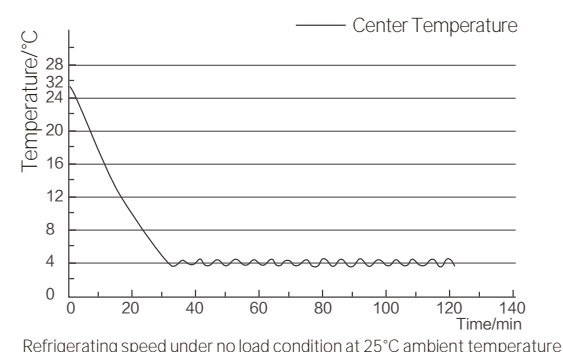
Long insulation time

Under full load and power off conditions, holdover time for 4°C to 6°C is more than 150 minutes, more secure.



Rapid refrigeration, high efficiency

It can reach set temperature within 35 mins under no load condition at room temperature.



Specifications



	Model	HXC-106	HXC-279	
Technical Data	Type	Basket-Type	Basket-Type	
	Climate Class	N	N	
	Cooling Type	Forced air cooling	NForced air cooling	
	Defrost Mode	Auto	Auto	
	Refrigerant	HC	CFC free	
	Sound level (dB(A))	42	41	
Performance	Temperature Range (°C)	4±1	4±1	
	Ambient Temperature (°C)	10-38	16-32	
Control	Controller	Microprocessor	Microprocessor	
	Display	LED	LED	
Electrical Data	Power Supply (V/Hz)	220-240/50/60	220/50	
	Power (W)	253	2.6	
	Electrical Current (A)	1.6	400	
	Power Consumption (kWh/24h)	3.8	5.1	
Construction	Capacity (L/Cu.Ft)	106/3.75	279/9.85	
	Blood Storage Capacity (450ml blood bags)	54 (400ml blood bags)	120	
	Net/Gross Weight (approx)	(kg)	49/52	113
		(lbs)	108.03/114.64	249
	Interior Dimensions (W*D*H)	(mm)	430*350*830	505*410*1315
		(in)	16.93*13.78*32.68	19.8*16.1*51.8
	Exterior Dimensions (W*D*H)	(mm)	500*514*1055	660*705*1700
(in)		19.69*20.24*41.54	26.0*27.8*67.0	
Packing Dimensions (W*D*H)	(mm)	565*615*1145	730*760*1890	
	(in)	22.24*24.21*45.08	28.7*29.9*74.4	
Loading Quantities	Container load (20'/40'/40'H)	36/72/72	24/48/48	
Alarms	High/Low Temperature	Y	Y	
	Power Failure	Y	Y	
	Sensor Error	Y	Y	
	Low Battery	Y	Y	
	Door Ajar	Y	Y	
Accessories	Caster	Y	Y	
	Foot	Y	Y	
	Porthole	Y	Y	
	Shelves/Baskets	3/4	5/15	
	Inner doors	/	5	
	Remote Alarm	Y	Y	
Certification	USB Interface	/	Y	
	CE	Y	/	

Product appearance and specifications are subject to change without notice

Applicable for the storage of blood and blood related products and other items that need to be stored at 2-6°C in hospitals and blood stations.



Innovative Design

- Frequency Conversion Compressor
- Adjustable Shelf And Basket
- Condensation Free Design
- Intelligent Alarm

Product Advantages



Adjustable Shelves

The shelves are adjustable to any height to fulfill different requirements



Three Types of Alarm

Audible buzzer, visible flashing light, remote alarm



Five Alarm Functions

High/low temperature, power failure, sensor error, low battery, door ajar



Superior Performance

Adopting air cooling technology for the inside temperature uniformity and stability

Specifications

Model		HXC-158	HXC-158B	
Technical Data	Type	Basket-Type	Drawer-Type	
	Climate class	ST	ST	
	Cooling type	Forced air cooling	Forced air cooling	
	Defrost mode	Auto	Auto	
	Refrigerant	HC	HC	
	Noise (dB(A))	42	42	
Performance	Temperature range (°C)	4±1	4±1	
	Ambient temperature (°C)	10-38	10-38	
Control	Controller	Microprocessor	Microprocessor	
	Display	LED	LED	
Electrical Data	Power supply (V/Hz)	220-240/50/60	220-240/50/60	
	Power (W)	320	320	
	Electrical current (A)	2.6	2.6	
Dimensions	Capacity (L/Cu.Ft)	158/5.6	158/5.6	
	Blood storage capacity (450ml blood bags)	84	84	
	Net/Gross weight (approx)	kg	107/120	113/126
		lbs	235.9/264.6	249.1/277.8
	Interior dimensions (W*D*H)	mm	460*370*950	460*370*950
		in	18.1*14.6*37.4	18.1*14.6*37.4
	Exterior dimensions (W*D*H)	mm	560*570*1530	560*570*1530
		in	22.0*22.4*60.2	22.0*22.4*60.2
	Packing dimensions (W*D*H)	mm	645*675*1680	645*675*1680
		in	25.4*26.6*66.1	25.4*26.6*66.1
Alarms	Container load (20'/40'/40'H)	27/54/54	27/54/54	
	High/Low temperature	Y	Y	
	Power failure	Y	Y	
	Sensor error	Y	Y	
	Low battery	Y	Y	
	Door ajar	Y	Y	
	Remote alarm	Y	Y	
Accessories	Caster	Y	Y	
	Foot	Y	Y	
	Test hole	Y	Y	
	Shelves/Basket	4/4	-	
	Drawers/Inner doors	-/2	4/-	
	USB interface	Optional	Optional	
Others	Temp recorder	Optional	Y	
	Certification	CE	CE	

RFID Solution with Real-Time IoT Technology



DW-30L1280TR/DW-30L818TR

- RFID radio frequency, accurate management of plasma information, with automatic inventory and quick inquiry function.
- Hydrocarbon refrigeration, efficient and quick.
- Mobile terminal bio-link APP ensures real-time monitoring.
- Multiple alarms, safe and reliable.
- 10-inch large screen, easy to operate and more intuitive display.
- NFC permission management system combined with an electromagnetic lock, controllable flow direction and traceable information.



10-inch large touch screen, easy to operate, intuitive display.

- The 10-inch large touch screen ensures an easier operating experience. Capable of displaying interior real-time temperature, ambient temperature, temperature set point, input voltage, network status, user login status, temperature curve and new message/notebook, etc. Query interface can display plasma donation code, product code, blood type, blood volume, period of validity, etc.



Equipped with IoT function, ensuring real-time temperature monitoring.

- Equipped with IoT function, capable of sending users the equipment alarm information in the form of text messages. Download bio-link APP to monitor and check cabinet temperature, alarms and event logs from anywhere at anytime.



Bottom air inlet system, low noise

- Equipped with a special filter, ensuring the cleanness and safety of interior air.



Multi-compartment Storage Basket

- Multi-compartment storage basket design, streamlines plasma storage and placement, easy to access.



Dual Cooling System, Frost Free

- Equipped with dual cooling system, if one system fails, the other system can maintain the interior temperature at -25°C for an extended period, safe and reliable.
- RFID read-write board can read plasma label information, providing inventory plasma information statistics. Supports automatic inventory, one-key inventory and plasma in-out stock storage information.

Specifications

Model	Voltage (V/Hz)	Interior Temperature (°C)	Exterior Dimension (W*D*H mm)	Interior Dimension (W*D*H mm)	Effective Volume (L)	N.W./G.W. (kg)	loading Qty (bag)
DW-30L1280TR	220-240/50/60	-10--35	1520*1065*1980	1320*752*1260	1280	440/505	576
DW-30L818TR	100-230/50/60	-10--35	988*951*1980	750*755*1460	818	235/285	360

The process is completely traceable with intelligent interconnection methods, this design improves the safety and security for the donor.



Identity Recognition

Built-in intelligent identity recognition system can identify a person immediately and accurately through multiple sources, such as face, ID card and fingerprint as key examples.

Intelligent identification, safe and effective error prevention system

Precise control and accurate identification of the anticoagulant bags, improved safety, reliability and security.

Smart IoT

Intelligent interconnection with the management system, data at a glance, clear and convenient.

Ergonomic


Suitable for plasma stations and mobile collections with limited space.

Ergonomic Design

 Intelligent connectivity which ensures automatic data collection and processing.

 Large color touch screen, easy to operate.

 The unit is small in size, movable and easy to use, which reduces the burden of users.

 Optimized system and structural noise reduction design, low operating noise.



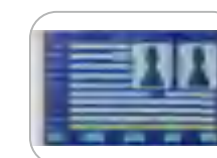
The whole process of blood component (plasma) separation is traceable

- The whole process can be automatically monitored and managed.
- Automatic recording and uploading data.
- Precise control of data is immediate.



Data and identity protection system

The separator can collect information in multiple dimensions including ID card, face, fingerprint and bar code. Then the system will recognize the accurate information from the database, ensuring no inaccuracy of donor or recipient information being contaminated.



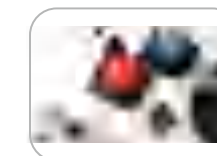
A messenger who automatically processes data information

The separator can record and upload consumables and collect data automatically and intelligently without manpower, this improves efficiency and prevents errors, which saves medical staff precious time and reduces stress.



The monitor prevents manual process errors

The separator will emit an alarm sound and corresponding text prompt when there is any mishanging of anticoagulant. If this occurs the system is unable to carry out the next operation, which completely eliminates the risk of infusion error, and avoids any accident that endangers the safety of the plasma donor.



Comprehensive monitoring surveillance system

All-directional multi-angle monitoring plasma collection process. Exclusive design of blood pump and anticoagulation pump. Adaptive compensation function is more compatible with consumables from different manufacturers. No wearing parts. Stable flow. Accurate control of blood cell access ratio. Multi-level alarm system can find any errors.



The pioneer to maintain blood activity perfectly

Centrifuge cup adopts new patented technology to gently protect blood activity so that blood is safer.



Compatible with accurate capacity optimization

It can be used with 160ml anticoagulant bags to accurately match actual needs, which means cost reduction and environmentally friendly improvements. Consumables are versatile and compatible with multiple models.

Specifications

Model	Power supply (V/Hz)	Exterior dimensions (W*D*H) (mm)	Gross weight (kg)
XJ-II	220-/50	540*510*770	29

Parameters	Amount collected per cycle (g)	Total plasma collection (g)	Pump speed (ml/min)	Return speed (ml/min)	Anticoagulant (Citrate) to whole blood ratio	Centrifuge speed (r/min)
Range	0-300	0-1000	20-100	20-100	1:12-1:16	7000
Preset	230	600	80	80	1:16	7000
Precision	1	1	≤2	≤2	<1	≤2.5%

This product is composed of a mainframe (Centrifuge, blood pump, anticoagulant pump, weighing scale, display screen, air detector, pressure detector, control panel) and a pressure cuff, excluding the matching disposable pipe consumables.

Plasma Blast Freezer

Mainly applicable to the quick-frozen treatment of plasma products in blood stations or medical institutions.

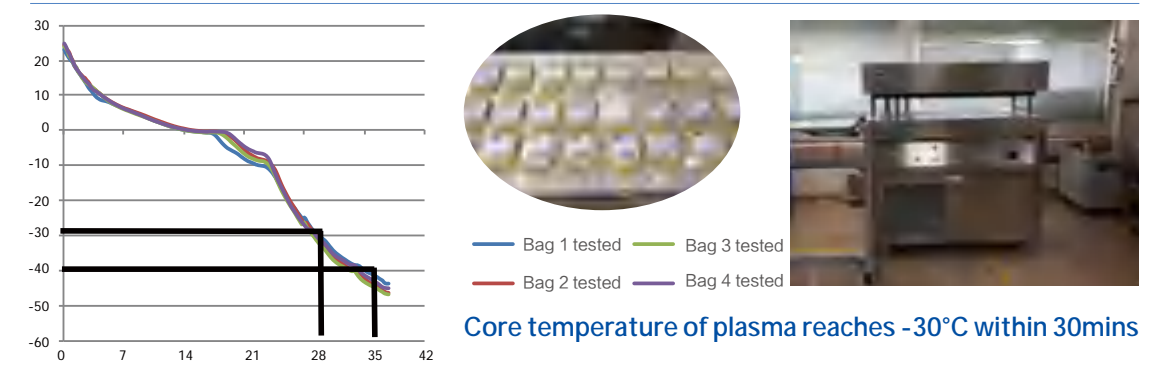


XSD-24FL

Features

- Traceability of each freezing cycle
- Maximum freezing efficiency
- Able to freeze all types and different sized plasma bags
- Easy-to-use interface
- Fast pre-cooling process
- Pneumatic lift
- Rollable, ready-to-plug in or external solution
- Night storage control
- Stainless steel plates
- Air cooled solutions

Performance Curve



Specifications

Model	Climate type	Power supply	Freezing capacity	Cooling method	Power cord	Dimension (head cover open) (mm)	Dimension (head cover close) (mm)	G.W/N.W (kg)
XSD-24FL	N	3N 400V/50hz/60hz	16 bags of 1000ml plasma or 24 bags of 500ml plasma	Forced air cooling	Crimp PTB	1455*915*1575	1455 *915*1375	480/550

Standard Parts List

Picture	Description	Basic Solution	Premium Solution	List of Configuration	Features & Functions
	Blast Freezer	●	●	1. XSD-24FL Blast Freezer 2. Analog sensor × 1 3. User's Manual × 1 4. Plug-in power cord × 1 5. Host computer software × 1 6. Dummy bag × 2	1. Rapid freezing of plasma, defrosting and locking 2. Pulls down the central temperature of blood bag to -30°C within 30mins 3. Standard software for host computer, to support query and printing of refrigeration data

Optional Parts List

Picture	Description	Basic Solution	Premium Solution	List of Configuration	Features & Functions
	Scanner	●	●	Wireless scanner × 1	1. Enables the user to input the barcode of blood bag 2. Wireless device for more convenient operation 3. Ensures accurate and quick scanning
	Pallet Cart	○	●	Pallet cart for plasma transfer × 1	1. Made of aluminum alloy sections, firm and durable 2. Universal wheels, for convenient operation
	Tray	○	●	Tray for plasma transfer × 1	1. Made of aluminum to ensure high thermal conductivity 2. Put in and take out conveniently and effectively plasma by using the tray
	Analog Sensor	○	●	Analog sensor × 1	Supports the accurate regulation of blood bag
	Dummy Bag	○	●	Dummy bag × 1	Equipped with internal temperature measuring tube, convenient for determining the temperature at the center of blood bag