

# Advanced Blood Bank Refrigerator with Touchscreen



**HXC-149T/429T/629T/1369T**

## Scope of Application:

Suitable for blood stations, hospitals, research institutes, biopharma and other life science laboratories for the storage of blood and other materials required to be stored under 2~6°C temperature condition.

## Innovative Design

- ◉ LCD touchscreen
- ◉ Multiple alarms
- ◉ Safe, secure and reliable
- ◉ Real-time monitor of internal temperature
- ◉ Standard stainless steel liner

### Qingdao Haier Biomedical Co., Ltd.

No.280 Feng Yuan Road, High-tech Zone,  
Qingdao, 266111, P.R. China  
E-mail: [inquiry@haierbiomedical.com](mailto:inquiry@haierbiomedical.com)  
Website: [www.haiermedical.com](http://www.haiermedical.com)



Haier Biomedical  
International



Haier Biomedical  
International



@haiermedicalint





Haier Biomedical  
International





Haier Biomedical  
International


# Advanced Blood Bank Refrigerator with Touchscreen


## Product Advantages

-  **Multiple Safety Protection**
  - Multiple alarms include high and low temperature, power failure, door ajar, sensor failure, and low battery. Also included as standard alarm features are a sound buzzer, light flashing, and remote contacts. The Built-in battery can continue to support the alarm system when there is a loss of power supply.
  - Electromagnetic lock and mechanical lock as standard, dual safety guaranteed.
-  **Real-time Monitor of Internal Temperature**

A dual control system of 7 high-precision sensors and mechanical thermostat ensures the temperature inside the cabinet is within the range of  $4 \pm 1^{\circ}\text{C}$ . The Built-in cold chain monitoring module monitors internal temperature in real-time, records historical data, and alerts abnormal temperature conditions.
-  **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.
-  **Frequency Conversion, Energy Saving**

Frequency conversion compressor, internationally recognized brand EBM speed regulating fan, with an innovative air cooling design, energy saving and low noise.
-  **Shelf-closing Design**

Eliminate the worries of users forgetting to close the door.
-  **Control Interface**

The smart and intuitive high-definition LCD touchscreen can display the temperature graph, working status, events and alarm records.



HXC-1369T

HXC-629T

HXC-429T

HXC-149T

# Advanced Blood Bank Refrigerator with Touchscreen

## Product Parts



### Temperature Recorder

Record the inner temperature change

### Touch Screen

HD LCD touch screen, smart and intuitive, can display and query the temperature curve, operating status, events and alarm records and other information

### USB Interface

Ability to record temperature data for ten years by using the USB interface

### Standard NFC and Optional Fingerprint module

NFC swipe card module, with safer storage management

### Adjustable Feet

Easy to level and position

### Electromagnetic lock and Mechanical lock

Dual safety guaranteed

### Partition Drawers + Stainless Steel Slide Rail

The drawers inside the unit can be divided according to different blood types. Combined with the stainless steel slide rail design, more convenient and fast storage of blood bags

### Casters

Easy to move



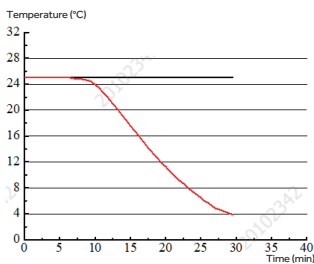
HXC-429T

## Product Performance

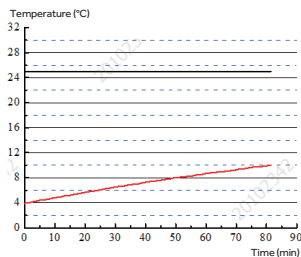


HXC-149T

Cool down curve (empty loaded)

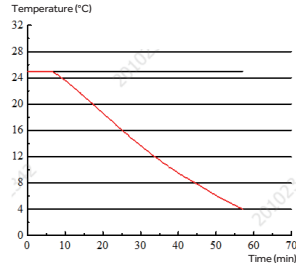


Warm up curve (empty loaded)

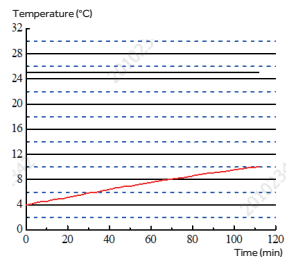


HXC-429T

Cool down curve (empty loaded)

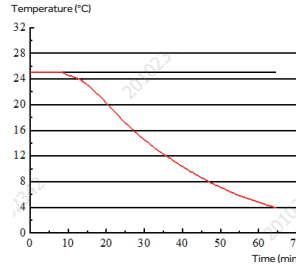


Warm up curve (empty loaded)

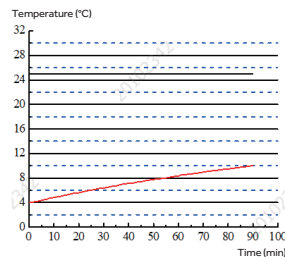


HXC-629T

Cool down curve (empty loaded)

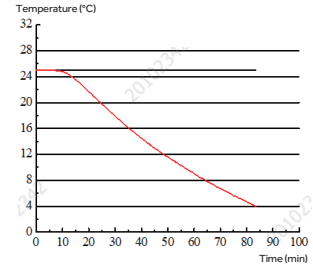


Warm up curve (empty loaded)

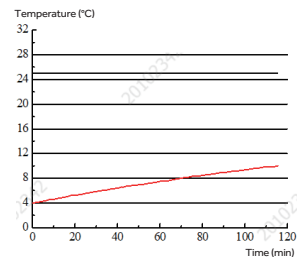


HXC-1369T

Cool down curve (empty loaded)



Warm up curve (empty loaded)



# Advanced Blood Bank Refrigerator with Touchscreen

## Specifications



Model			HXC-149T		HXC-429T		HXC-629T		HXC-1369T	
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	
	Sound Level (dB(A))		39		40		40		41	
Performance	Temperature Range (°C)		4±1		4±1		4±1		4±1	
	Ambient Temperature (°C)		16-32		16-32		16-32		16-32	
Control	Controller		Microprocessor		Microprocessor		Microprocessor		Microprocessor	
	Display		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	220-240/50	230-50/60
	Power (W)		240		245		255		400	
	Electrical Current (A)		1.4		1.5		1.5		2	
Dimensions	Capacity (L/Cu.Ft)		149/5.3		429/15.15		629/22.21		1369/48.35	
	Blood Storage Capacity (450ml Blood Bags)		60		195		312		624	
	Net/Gross Weight (approx)	kg	108/136		182/217		212/252		380/445	
		lbs	237.6/299.2		400.4/477.4		466.4/554.4		836/979	
	Interior Dimensions (W*D*H)	mm	505*560*610		505*680*1315		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		55.6*26.5*56.7	
	Exterior Dimensions (W*D*H)	mm	625*820*1150		625*940*1830		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		60.3*36.7*77.2	
	Packing Dimensions (W*D*H)	mm	730*926*1236		749*1008*1960		880*1010*2090		1678*1044*2085	
		in	28.7*36.5*48.7		29.5*39.7*77.2		34.7*39.8*82.3		66.1*41.1*82.1	
Container load (20'/40'/40'H)			18/38/76		18/35/35		12/26/26		7/14/14	
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	
	Remote Alarm		Y		Y		Y		Y	
Accessories	Caster		4		4		4		4	
	Foot		2		2		2		2	
	Porthole		Y		Y		Y		Y	
	Baskets		6		15		24		48	
	Shelves/Drawers		0/2		0/5		0/6		0/12	
	Inner doors		0		0		0		0	
	USB Interface		Y		Y		Y		Y	
	Temperature Recorder		Y		Y		Y		Y	
Others	Certification		CE, MDR	UL, MDR	CE,MDR	UL, MDR	CE, MDR	UL, MDR	CE, MDR	UL, MDR

\*Haier Biomedical reserves the right to change products and specifications without prior notice.