

# Advanced Blood Bank Refrigerator with LED Display



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

## 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 between under 2~6°C temperature conditions.

## Innovative Design

- ◉ Safe, secure and reliable
- ◉ Multiple temperature control
- ◉ Back-up battery design
- ◉ Equipped with multiple alarm functions

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
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## Product Advantages

-  **Precise Temperature Control**
  - The inside temperature is consistently maintained with in  $4\pm 1^{\circ}\text{C}$ , with the digital temperature display resolution at  $0.1^{\circ}\text{C}$ .
  - Equipped with 7 high-precision sensors and a mechanical thermostat which enables more accurate air cooling and temperature control to ensure the uniform temperature inside the unit is 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.
-  **Designed with Multiple Safety Guarantees to Provide Worry-Free Service**
  - Equipped with a complete alarm system, alarm functions include 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 mains power failure.
  - Optional electromagnetic lock, dual safety guarantee of mechanical lock and electromagnetic lock.
-  **Triple-pane Glass Foam Door**

Large-viewing angle with triple-pane glass foam door design, and there are two layer of glass with Low-E film, reduce heat transfer efficiency, no condensation under  $25^{\circ}\text{C}$ , 85% humidity environment.
-  **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.



HXC-1369

HXC-629/629B

HXC-429

HXC-149

# Advanced Blood Bank Refrigerator with LED Display

## Product Parts Diagram



**Temperature Recorder**  
Record the inner temperature change

**LED Screen**  
Display resolution at 0.1°C

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

**NFC (Optional)**  
NFC swipe card module, with safer storage management

**Adjustable Feet**  
Easy to level and position

**Optional Electromagnetic lock and standard Mechanical lock**  
Dual safety guaranteed

**Shelves**  
Shelves in the box can be divided according to different blood types. Combined with injection molding blood basket, the storage of blood bag is more convenient and fast

**Casters**  
Easy to move



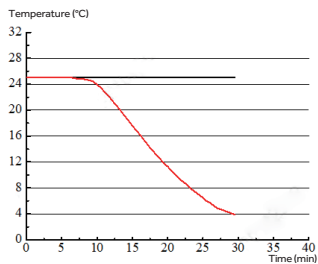
HXC-429

## Product Performance

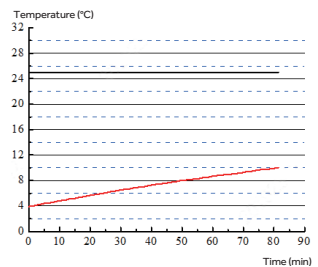


HXC-149

Cool down curve (empty loaded)

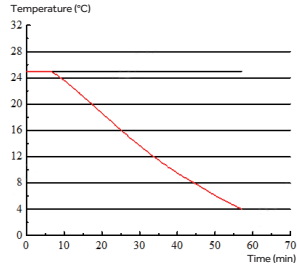


Warm up curve (empty loaded)

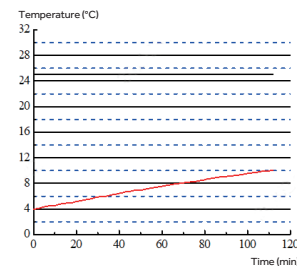


HXC-429

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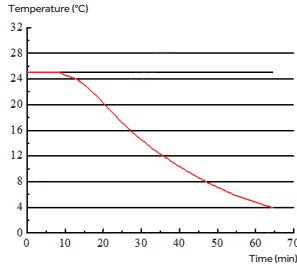


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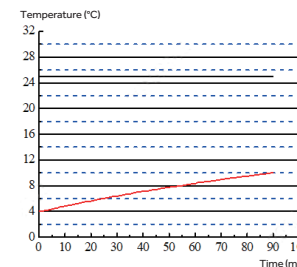


HXC-629/629B

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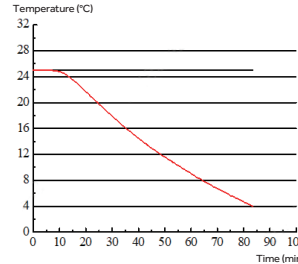


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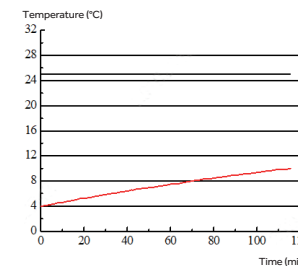


HXC-1369

Cool down curve (empty loaded)



Warm up curve (empty loaded)



# Advanced Blood Bank Refrigerator with LED Display

## Specifications



Model		HXC-149		HXC-429		HXC-629		HXC-629B		HXC-1369		
Technical Data	Type	Basket-Type		Basket-Type		Basket-Type		Basket-Type		Basket-Type		
	Climate Class	N		N		N		N		N		
	Cooling Type	Forced Air Cooling		Forced Air Cooling		Forced Air Cooling		Forced Air Cooling		Forced Air Cooling		
	Defrost Mode	Auto		Auto		Auto		Auto		Auto		
	Refrigerant	R600a		R600a		R600a		R600a		R600a		
	Sound Level(dB(A))	39		40		40		40		41		
Performance	Temperature Range(°C)	4±1		4±1		4±1		4±1		4±1		
	Ambient Temperature (°C)	16-32		16-32		16-32		16-32		16-32		
Control	Controller	Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		
	Display	LED		LED		LED		LED		LED		
Electrical Data	Power Supply (V/Hz)	220-240/50 230/50/60		220-240/50 230/50/60		220-240/50/60 230-50/60		115-50/60		220-240/50 230/50/60		
	Power (W)	240		245		255		255		400		
	Electrical Current (A)	1.4		1.5		1.5		3		2		
	Power Consumption (kWh/24h)	2.5		2.8		2.9		2.9		3.5		
Construction	Capacity (L/Cu.Ft)	149/5.3		429		629		629/22.2		1369		
	Blood Storage Capacity (450ml blood bags)	60		195		312		312		624		
	Interior Material	304 Stainless Steel		304 Stainless Steel		304 Stainless Steel		304 Stainless Steel		304 Stainless Steel		
	Net/Gross Weight (approx)	kg	97/125		169/204		187/217		187/217		345/410	
		lbs	213.4/ 275		371.8/448.8		411.4/477.4		411.4/477.4		759/902	
	Interior Dimensions (W*D*H)	mm	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	
	Exterior Dimensions (W*D*H)	mm	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	
	Packing Dimensions (W*D*H)	mm	730/926/1236		749*1008*1960		880/1010/2090		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		34.7*39.8*82.3		66.1*41.1*82.1		
Loading Quantities	Container load (20'/40'/40'H)	18/38/76		18/35/35		12/26/26		12/26/26		7/14/14		
Alarms	High/Low Temperature	Y		Y		Y		Y		Y		
	Power Failure	Y		Y		Y		Y		Y		
	Sensor Error	Y		Y		Y		Y		Y		
	Low Battery	Y		Y		Y		Y		Y		
	Door Ajar	Y		Y		Y		Y		Y		
	Dirty condenser	Y		Y		Y		Y		Y		
	Remote Alarm	Y		Y		Y		Y		Y		
Accessories	Caster	4		4		4		4		4		
	Foot	2		2		2		2		2		
	Porthole	Y		Y		Y		Y		Y		
	Baskets	6		15		24		24		48		
	Shelves/Drawers	2/0		5/0		6/0		6/0		12/0		
	Inner doors	2		5		6		6		12		
	USB Interface	Y		Y		Y		Y		Y		
	RS485	Y		Y		Y		Y		Y		
	Temperature Recorder	Optional	Y	Y	Y	Y	Y	Y	Y	Y	Y	
Others	Certification	CE	UL	CE	UL	CE/UL	UL	CE/UL	UL	CE	UL	

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