

# 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

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



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## 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.
-  **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.
-  **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.
-  **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

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## 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

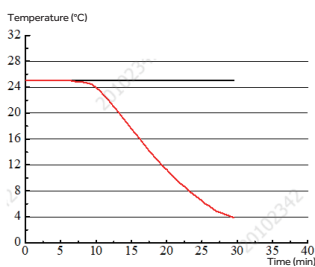
HXC-429T

## Product Performance



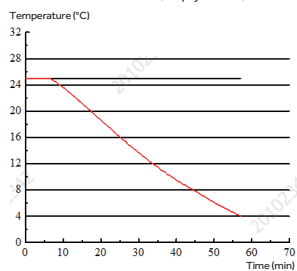
HXC-149T

Cool down curve (empty loaded)



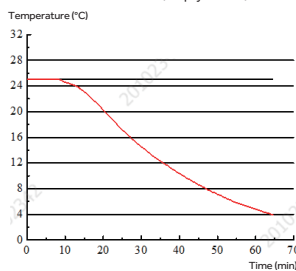
HXC-429T

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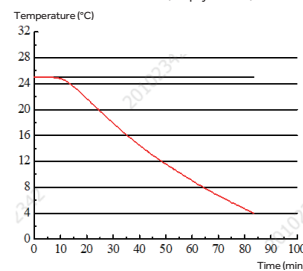
HXC-629T

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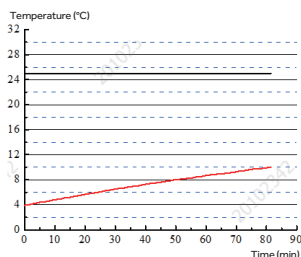


HXC-1369T

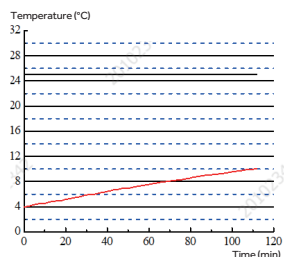
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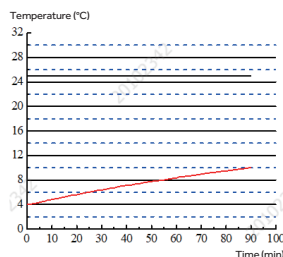
Warm up curve (empty loaded)



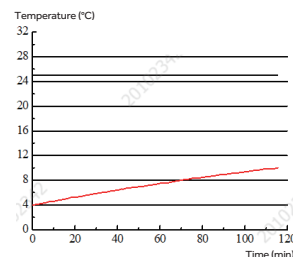
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Warm up curve (empty loaded)



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		
	Power Consumption (kWh/24h)	2.5		2.8		2.9		3.5		
Construction	Capacity (L/Cu.Ft)	149/5.3		429		629		1369		
	Blood Storage Capacity (450ml blood bags)	60		195		312		624		
	Interior Material	304 Stainless Steel		304 Stainless Steel		304 Stainless Steel		304 Stainless Steel		
	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		
Loading Quantities	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		
	Dirty Condenser	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	/		/		/		/		
	USB Interface	Y		Y		Y		Y		
	RS485	Y		Y		Y		Y		
Others	Certification	CE	UL	CE	UL	CE	UL	CE	UL	

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