

Advanced Blood Bank Refrigerator with Touchscreen



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

Scope of Application:

Applicable for storing blood and other materials under the storage environment of 2~6°C. Suitable for blood stations, hospitals, scientific research institutes, biopharmaceuticals, as key examples.

Innovative Design

- ◉ LCD touch screen
- ◉ Multiple alarms
- ◉ Safe and reliable
- ◉ Real-time control of internal temperature

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Product Advantages



Control Interface

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



Real-time Control of Internal Temperature

A dual control system of six 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.



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.
- Fingerprint and NFC card modules are optional.



NFC Rights Management (Optional)

NFC rights management system is designed with an electromagnetic lock with controllable, checkable and traceable flow direction, providing safer blood management.



HXC-1369T

HXC-629T

HXC-429T

HXC-149T

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		429/15.1		629/22.2		1369/48.3		
	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	720*920*1220		725*985*1940		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		62.8*38.8*81.5	
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		
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		
	Remote Alarm	Y		Y		Y		Y		
	Temperature Recorder	Optional		Y		Y		Y		
Certifications	CE	Y	/	Y	/	Y	/	Y	/	
	UL	/	Y	/	Y	/	Y	/	Y	

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Advanced Blood Bank Refrigerator with LED Display



HXC-149/429/629/1369

Scope of Application:

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Innovative Design

- Multiple temperature control
- Safe and reliable
- Back-up battery design
- Equipped with complete alarm function

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Product Advantages



Precise Temperature Control

- The inside temperature is constant within $4\pm 1^{\circ}\text{C}$, with 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 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 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.



NFC Rights Management(Optional)

- NFC rights management system is designed with an electromagnetic lock with controllable, checkable and traceable flow direction, providing safer blood management.



Foam Door with Three-pane Viewing Glass

- Manufactured with either a foam door with a large three-pane or double-pane viewing glass, both with Low-E film to improve thermal efficiency with no condensation at 25°C , 85% RH humid condition.



HXC-1369

HXC-629

HXC-429

HXC-149

Advanced Blood Bank Refrigerator with LED Display

Specifications



Model	HXC-149		HXC-429		HXC-629		HXC-1369			
Technical Data	Type	Basket-Type		Basket-Type		Basket-Type		Basket-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	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	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		429/15.1		629/22.2		1369/48.3		
	Blood Storage Capacity (450ml blood bags)	60		195		312		624		
	Net/Gross Weight (approx)	kg	97/125		169/204		187/217		345/410	
		lbs	213.4/ 275		371.8/448.8		411.4/477.4		759/902	
	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	720*920*1220		725*985*1940		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		62.8*38.8*81.5	
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		
Accessories	Caster	4		4		4		4		
	Foot	2		2		2		2		
	Porthole	Y		Y		Y		Y		
	Baskets	6		15		24		48		
	Shelves/Drawers	2/0		5/0		6/0		12/0		
	Inner doors	2		5		6		12		
	USB Interface	Y		Y		Y		Y		
	Remote Alarm	Y		Y		Y		Y		
	Temperature Recorder	Optional		Y		Y		Y		
Certifications	CE	Y	/	Y	/	Y	/	Y	/	
	UL	/	Y	/	Y	/	Y	/	Y	

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