

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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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°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.
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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.
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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°C , 85% humidity environment.
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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.
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Shelf-closing Design

Eliminate the worries of users forgetting to close the door.



HXC-1369

HXC-629/629B

HXC-429

HXC-149

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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



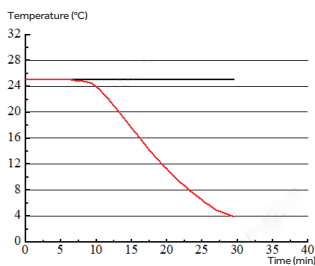
HXC-429

Product Performance

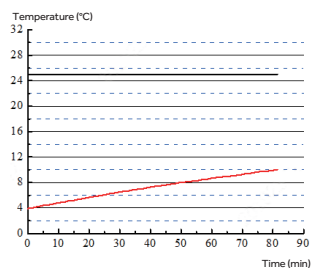


HXC-149

Cool down curve (empty loaded)

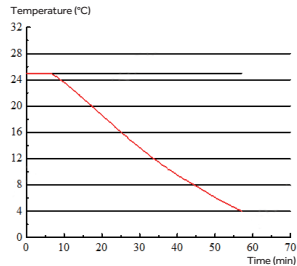


Warm up curve (empty loaded)

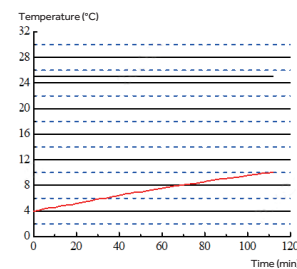


HXC-429

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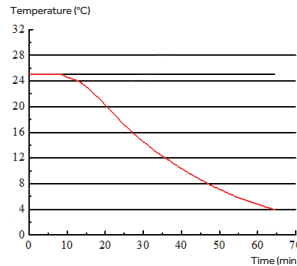


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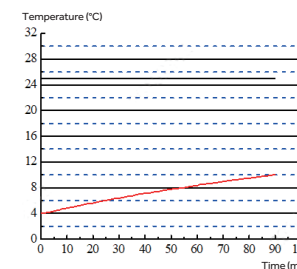


HXC-629/629B

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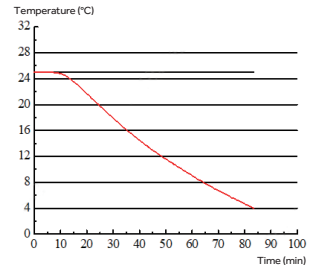


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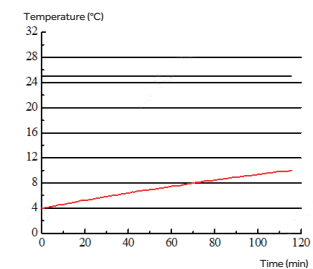


HXC-1369

Cool down curve (empty loaded)



Warm up curve (empty loaded)



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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		41		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	230-50/60	115/60		220-240/50	230-50/60
	Power (W)		240		245		255		255		400	
	Electrical Current (A)		1.4		1.5		1.5		3		2	
Dimensions	Capacity (L/Cu.Ft)		149/5.3		429/15.15		629/22.21		629/22.21		1369/48.35	
	Blood Storage Capacity (450ml Blood Bags)		60		195		312		312		624	
	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	
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	
	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	
	Temperature Recorder		Optional		Y		Y		Y		Y	
Others	Certification		CE, MDR	UL	CE, MDR	UL	CE, MDR	UL	UL		CE, MDR	UL

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