

Advanced Blood Bank Refrigerator with LED Display



HXC-149/429/629/1369

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.



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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.



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	

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



Automated Blood Management Refrigerator Used at Blood Station



Automated Blood Management Refrigerator Used at Hospital



Unattended Self-help Blood Distribution Refrigerator



Automated Blood Management Refrigerator with Touch Screen



Automated Blood Management Refrigerator with LED Display



Standard Blood Bank Refrigerator

