Unattended Self-service Blood Distribution Refrigerator

HXC-629ZZ

Scope of Application:

Self-service blood bank refrigerator suitable for blood stations, haematology departments and other hospital areas to provide secure and convenient access to blood.

Innovative Design

- ◉ Self-service blood distribution
- ◉ Energy-efficient and low noise
- ◉ Inventory management
- ◉ Authority management

Self-Service Blood Distribution

Self-service blood distribution for blood transfusion departments

After completing blood cross-matching, specified blood collection permissions are allocated to different departments to allow self-serve vending of blood at night to save labour costs and improve efficiencies

Product Advantages

Electronic Checking and Bar Code Management

- Blood bag inventory management (in/out) is achieved by scanning the bags' blood donation codes and product codes
- The system ensures error-free blood bag collection by accurately checking blood bag and operator information

Real-time Control of Freezer Temperature

Six high-precision sensors and a mechanical thermostat accurately control the temperature in real-time to maintain the refrigerator temperature at 4 ±1°C

Ergonomic Design

- The intelligent, dual-screen LCDs have been designed for better user-machine interactions
- Users can print Blood Collection Sheets for Blood Transfusion and Blood Distribution Records after blood check-out
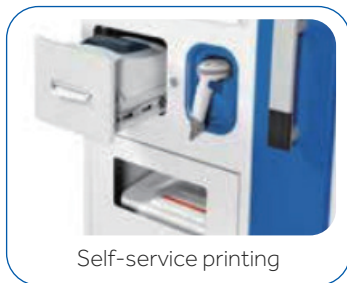
Visual and Clear Management via User Interface

- The intelligent blood management system can display the blood donation codes, product codes, blood types, blood quantities, expiry dates and other information of the stored blood bags in real time, realizing one-key query of the stock blood information
- It can clearly show the storage location of the blood bag with the closest expiry date and follow the first-in-first-out management practices

Safe, Reliable and Traceable

- Equipped with fingerprint and NFC access modules providing dual permission modes to open the electromagnetic lock
- Each drawer is equipped with an independent electronic lock to ensure that only the unique and correct blood bag can be taken out in each blood collection operation
- The camera module can take photos of the operators automatically and transmit them to the platform to achieve operation information trace-ability
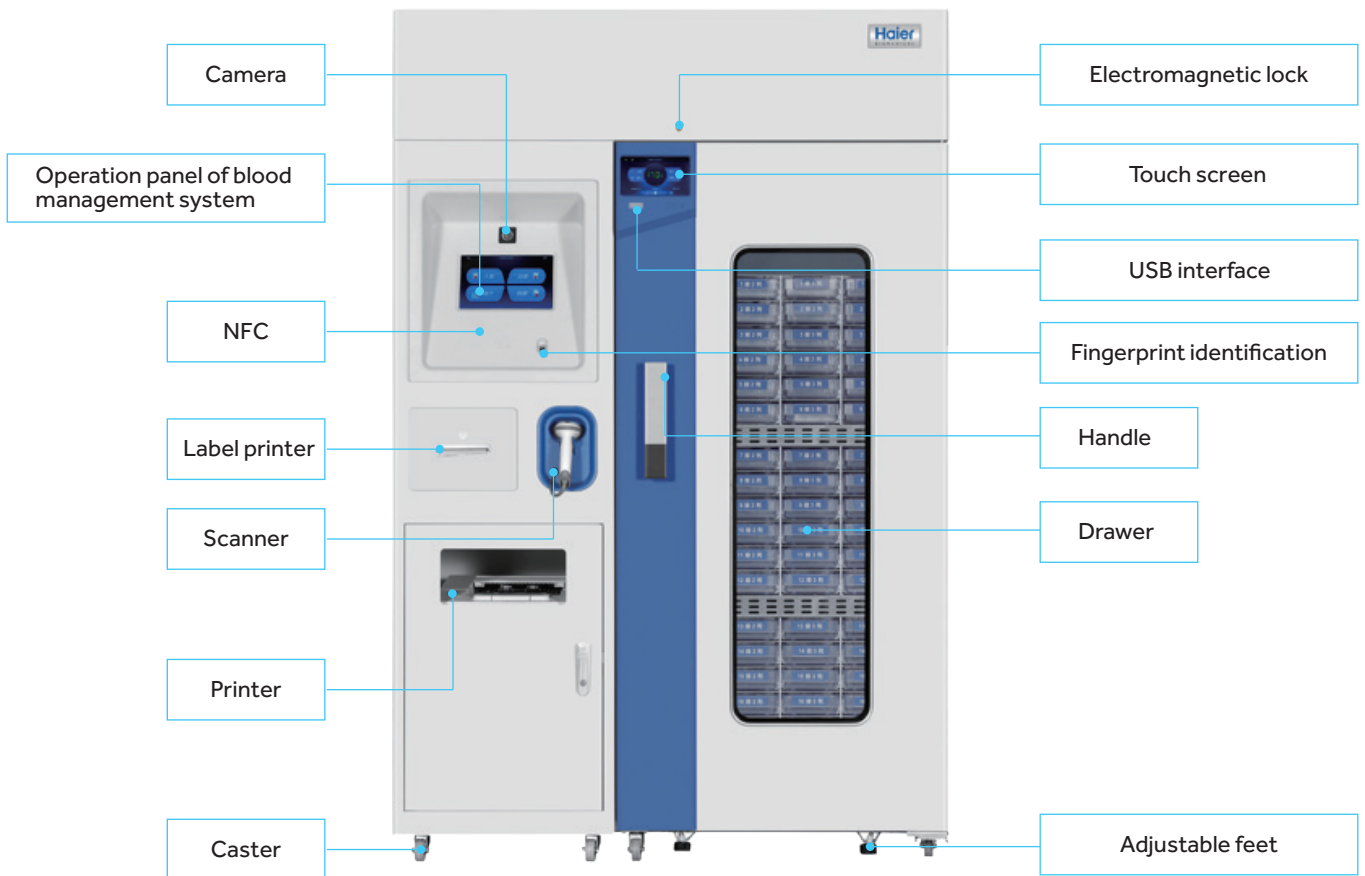
Self-service printing

A drawer corresponds to a lock

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Product Parts Diagram

Camera

Operation panel of blood management system

NFC

Label printer

Scanner

Printer

Caster

Electromagnetic lock

Touch screen

USB interface

Fingerprint identification

Handle

Drawer

Adjustable feet

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Product Performance

Cool down curve (fully loaded)

Temperature (°C)

Time (min)
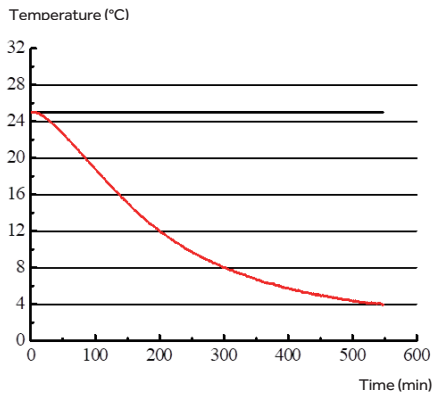
Warm up curve (fully loaded)

Temperature (°C)

Time (min)
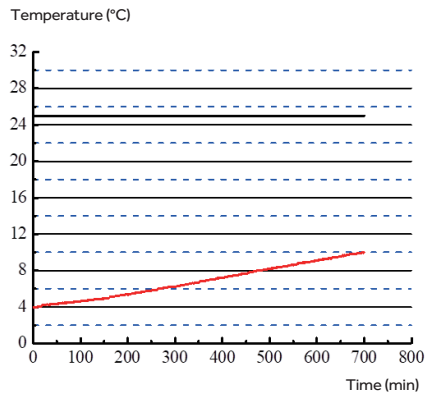
Stable operating curve (fully loaded)

Temperature (°C)

T1
T2
T3

Time (min)
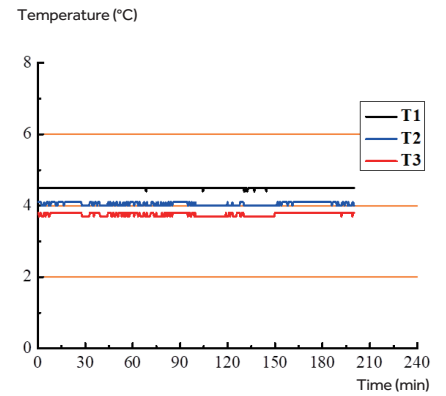
Product Dimension Drawings

1980

825

940

1290

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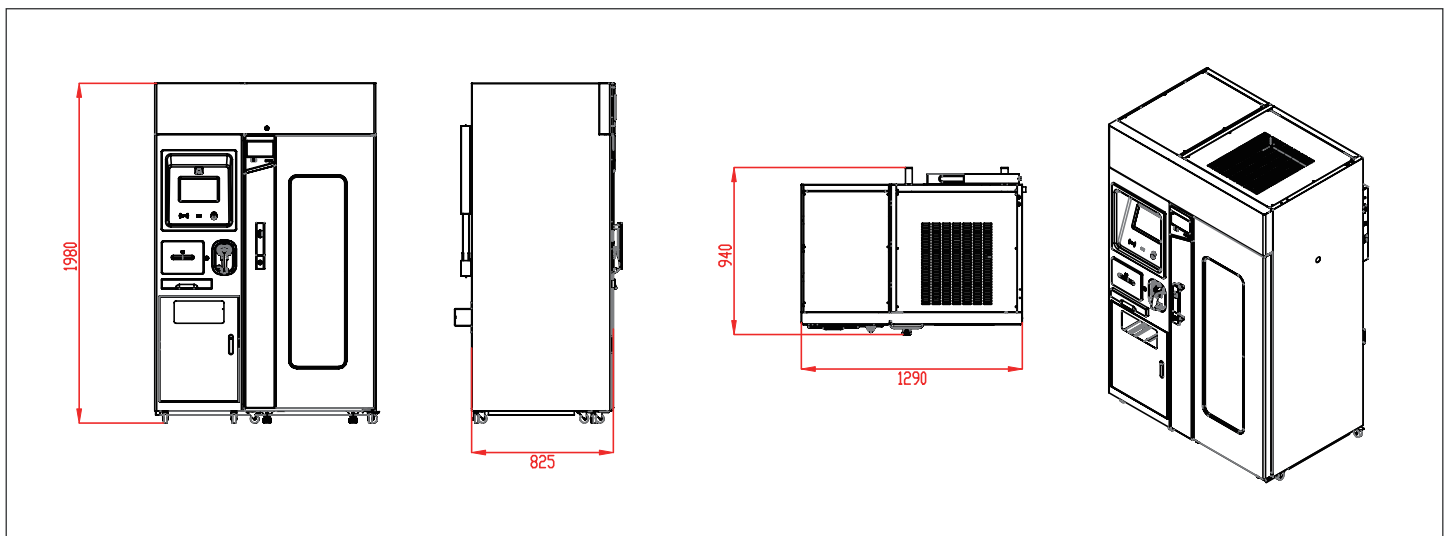
Specifications

Model			HXC-629ZZ
Technical Data	Type		Drawer-Type
	Climate Class		N
	Cooling Type		Forced air cooling
	Defrost Mode		Auto
	Refrigerant		R600a
	Sound Level (dB(A))		41
Performance	Temperature Range (°C)		4±1
	Ambient Temperature (°C)		16-32
Control	Controller		Microprocessor
	Display		LCD
Electrical Data	Power Supply (V/Hz)		220-240/50
	Power (W)		300
	Electrical Current (A)		1.9
Dimensions	Capacity (L/Cu.Ft)		629/22.2
	Blood Storage Capacity (450ml blood bags)		72
	Net/Gross Weight (approx)	kg	305/350
		lbs	671/770
	Interior Dimensions (W*D*H)	mm	645*680*1455
		in	25.2*26.5*56.7
	Exterior Dimensions (W*D*H)	mm	1290*940*1980
		in	50.3*36.7*77.2
	Packing Dimensions (W*D*H)	mm	1420*1030*2090
		in	55.9*40.6*81.5
	Container Load (20'/40'/40'H)		8/16/16
Functions	High/Low Temperature		Y
	Power Failure		Y
	Sensor Error		Y
	Low Battery		Y
	Door Ajar		Y
	Dirty Condensor		Y
	Remote Alarm		Y
Accessories	Caster		8
	Foot		2
	Porthole		Y
	Shelves/Drawers		0/72
	USB Interface		Y
	RS485		Y
	Temperature Recorder		N
Others	Certification		CE

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