Haier Biomedical
Intelligent Protection of Life Science

Icelined Refrigerator

HBC-260

Scope of Application:

This refrigerator is suitable for pharmacies, pharmaceutical factories, epidemic prevention stations, health clinics, and hospitals. It can be used to store vaccines and other medicines at an internal temperature of +2°C to +8°C. Note: Do not use for storing ice packs or other items.





Innovative Design

- Superior Thermal Insulation Performance
- EMS Monitoring System, 4.3-inch Color Screen Supports Multiple Language
- Safe, Secure and Reliable
- Environmentally-friendly
- Ergonomic Design

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Product Features

Security Guarantee

• Compliant with WHO PQS standards (WHO/PQS/E003/RF03.7 and WHO/PQS/E003/RF03-VP.5) and Class A freeze protection certification, ensuring vaccines are maintained within the qualified temperature range.
• Equipped with comprehensive alarm functions, including sensor fault alarms and high- and low-temperature alarms, with audible and visual alerts.
• All materials comply with RoHS requirements.
• CE certified in accordance meeting electrical safety design requirements.

Superior Reliability

• The complete unit has passed a 10-year accelerated ageing test.
• Operating ambient temperature range: 5–43 °C, covering the requirements of over 70% of global regions.
• The exterior is made of powder-coated cold-rolled steel, with an inner liner constructed from 1.0 mm anodised aluminium for enhanced corrosion resistance.
• Wide-voltage design ensures reliable operation under unstable power supply conditions.

Efficient Insulation Design

Low-temperature heat compensation and partition design ensure that the interior never drops below 0°C, preventing vaccine freezing.
The 140mm insulation layer provides excellent thermal insulation efficiency.
At an ambient temperature of 43°C, the unit can maintain 2°C–8°C for up to 62h14min.

Control System

• Digital electronic temperature controller with an accuracy of 0.1 °C and temperature control range of 2-8 °C;

Ergonomic Design

• EMS system can achieve wireless remote monitoring of temperature, compressor operation, and door opening and closing status; Equipped with a 4.3-inch color screen; Convenient for accessing to vaccines; Equipped with status indicator lights,
convienct to operator confirm the operation status in 3 meters; USB interface.

Detail Introduction: EMS

Comprehensive Monitoring to Ensure Safety

• Temperature monitor: Real time monitoring of the temperature in the vaccine area to ensure that vaccines are stored at an appropriate temperature.

• Door status monitor: Detect the status of the refrigerator door to prevent temperature fluctuations caused by the door not being tightly closed.

• Power outage monitor: Monitor the power status, promptly detect power outages, and ensure the continuous operation of equipment.

• Voltage and current monitor: Real time monitoring of voltage and current

• Compressor running time monitor: Record the running time of the compressor to provide real-time status of the compressor.

• Multiple alarm : Provide sound and light alarms, SMS alarms, email alarms.

• Operation recording: Record all operation for easy auditing and traceability.

Data Analysis with Optimized Management

• Data recording and analysis: Record historical data, generate KPI statistics.

• Visual interface: Provides intuitive charts and reports for users to easily view temperature and other data trends.

Remote Control

• Wireless data download: In non-subscription situations, it supports wireless transmission and download of data between mobile phones and devices through device WIFI hotspots.

• Remote monitoring and operation: After subscribing, remote access is provided to view device status, set parameters, and configure settings.

• Global SIM card: supporting over 180 countries and regions worldwide.

• Support to replace local SIM cards.

Reliable and StableTemperature Sensor with High Precision Sensor

• Wide measurement range (-50°C~+80°C), high accuracy (± 0.5°C), fast response time.

• Door sensor: Quickly detect the of the door status switch.



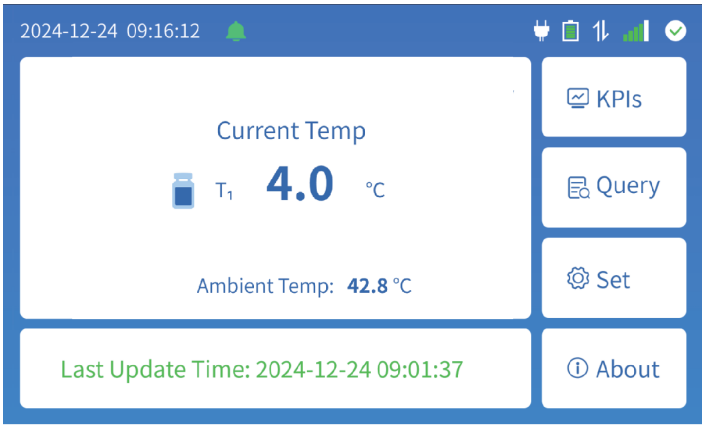
Data Storage and Transmission

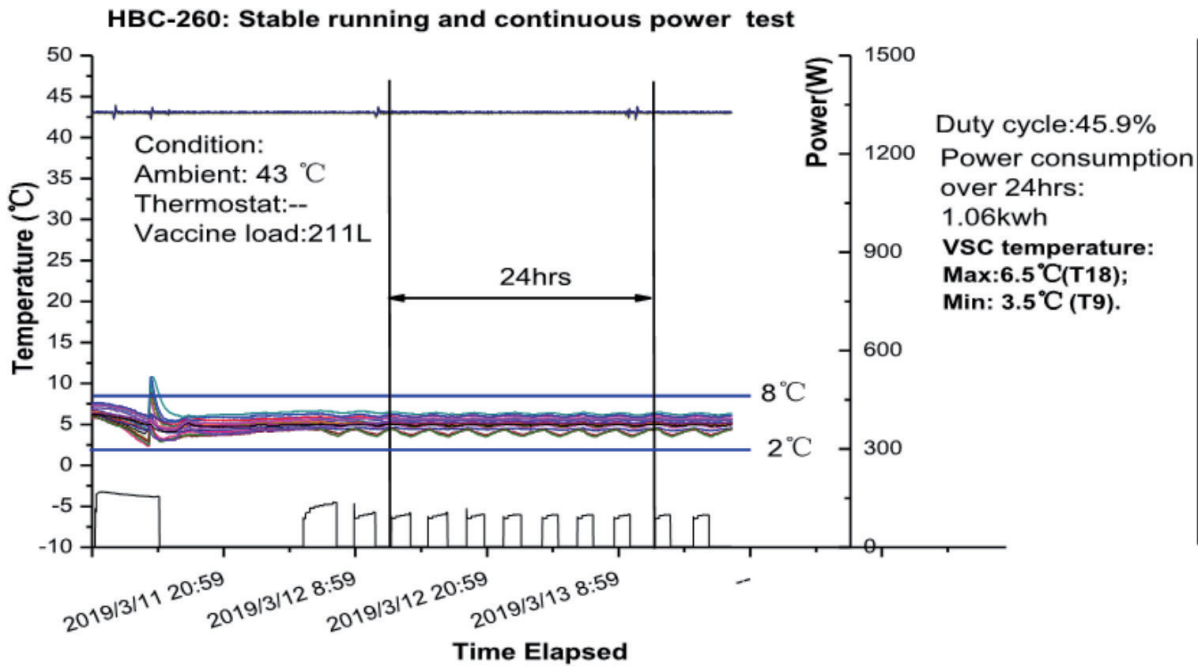
• Non volatile storage: Storage time up to 1 year (default collection frequency state)

• Multiple communication protocols: Supports 2G/3G/4G and other communication methods to ensure stable and reliable data transmission.

OTA Update

• EMS meets Level 2 requirements as standard and can be upgraded to Level 3 through remote operation without the need for any additional hardware.





Specifications

Model			HBC-260
Technical Data	EMS Equipped		√
	Cabinet Type		Chest
	Ambient Temperature		5℃~43℃
	Cooling Type		/
	Defrost Mode		/
	Refrigerant		HC (R600a) 80g (Refrigerator)
	Sound Level (dB(A))		≤43
Performance	Temperature Range (℃)		Refrigerator: 2~8
	Vaccine Freeze Protection Classification		Grade A
Control	Controller		Microprocessor
	Display		4.3-inch color screen
Electrical Data	Power Supply (V/Hz)		220V~240V/50Hz/60Hz
	Power (W)		200
	Electrical Current (A)		1.5
	Power Consumption: stable running(KWh/24h)		1.47
	Power Consumption: cool down test(KWh/24h)		1.62
	Holdover Time at 43℃		62h14min
	Holdover Time at 32℃		117h24min
Dimensions	Vaccine Storage Capacity (L/Cu.Ft)		211/7.5
	Gross Volume (L/Cu.Ft)		260/9.2
	Net/Gross Weight (approx)	kg	170/212
		lbs	374.8/467.4
	Interior Dimensions (W*D*H)	mm	1359*366*560
		in	53.5*14.4*22
	Exterior Dimensions (W*D*H)	mm	1650*654*940
		in	64.8*25.7*37
	Packing Dimensions (W*D*H)	mm	1720*770*1080
		in	67.7*30*42.5
	Container Load (20'/40'/40'H)		18/38/38
Functions	High/Low Temperature (Y/N)		Y
	Power Outage		Y
	Door Opening Alarm		Y
	Compressor Failure		Y
Accessories	Sensor Error (Y/N)		Y
	Foot (Y/N)		4
Others	Baskets		5/-(9)
	Certification		CE/WHO/PQS
	Data Logger (Y/N)		Y
	Freezer Gross Volume (L/Cu.Ft)		/
	Waterpack Storage Capacity (kg)		/
	Waterpack Freezing Capacity (kg/24h)		/
	Optional		Automatic Voltage Stabilizer Remote Temperature Monitoring Device

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