

Vaccine and Icepack Freezer

Scope of Application

This product is applicable for cryogenic storage of vaccines and other biological reagents in hospitals, CDC, vaccination stations and other units in areas with insufficient or unstable power supply.



Energy Saving



Environmentally Friendly



Superior Thermal Insulation
Performance



Low Noise



HBD-130

Qingdao Haier Biomedical Co., Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266111, P.R. China
E-mail: inquiry@haierbiomedical.com
Website: www.haiermedical.com
Dec, 2025



Haier Biomedical
International



Haier Biomedical
International



@haiermedicalint
Haier Biomedical
International



Haier Biomedical
International

Product Advantages



Energy Saving

Frequency conversion compressor with higher efficiency and lower energy consumption.



Environmentally Friendly

- Hydrocarbon refrigeration system with environmentally safe hydrocarbon refrigerants.
- Built with isopentane foam polyurethane insulation, which complies with European ROHS Directive.



Superior Thermal Insulation Performance

The insulation thickness is more than 100mm, which enables at least 6hours holdover time under power failure. (below -5°C, ambient temperature 43°C)



Low Noise

Optimal system and engine noise reduction design, which reduces the sound level to less than 40 dB(A).

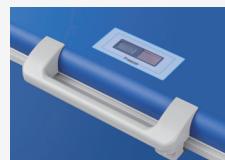
Product Features

Microprocessor Control System



- Microprocessor electronic temperature controller, LED temperature display, display and control accuracy is 0.1°C.
- Sensor error alarm.
- Two alarm modes: sound alarm and light alarm.

Security Lock



Mechanical door lock, independent management, safe and secure.

RTMD



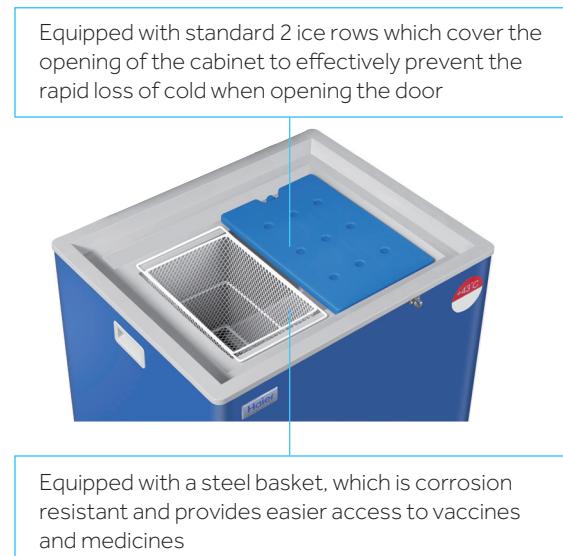
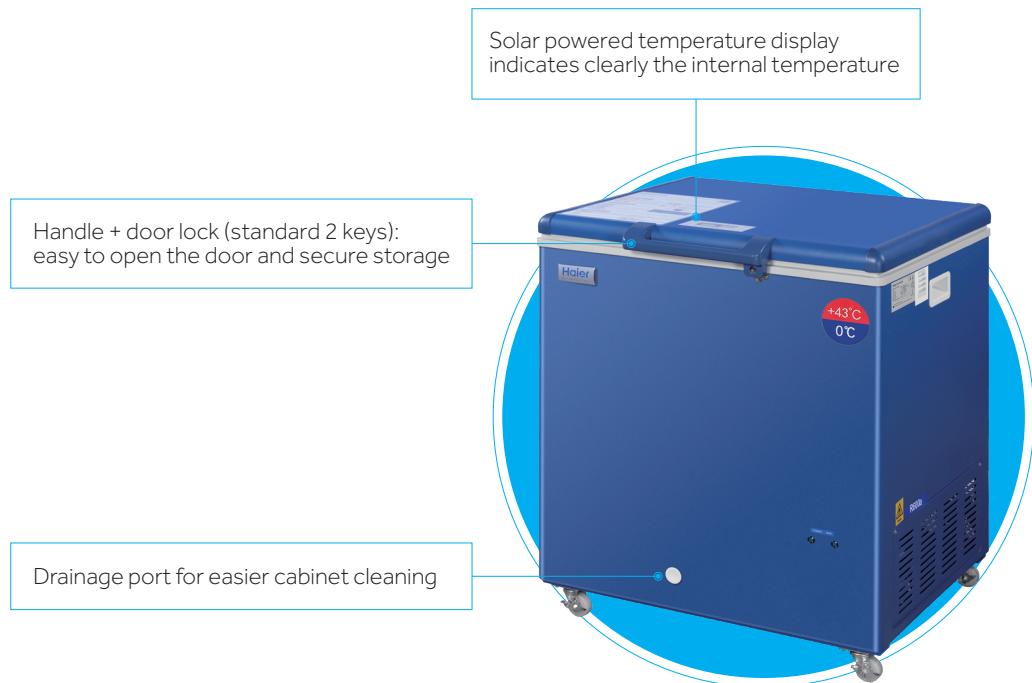
Optional remote temperature recording.

Material



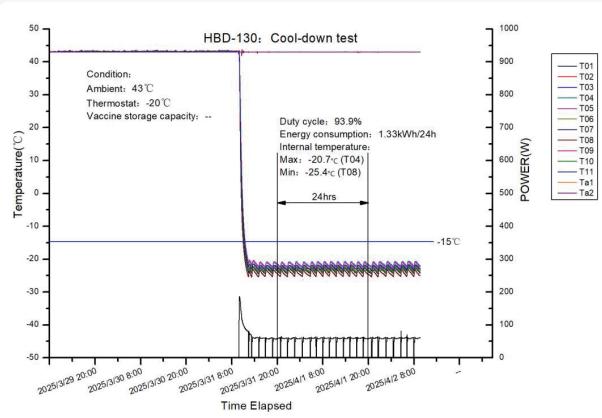
- The inner liner is coated with zinc plate (the color is grey)
- Steel coatings in blue
- Corrosion-resistant and easy to clean.

Product Parts Diagram

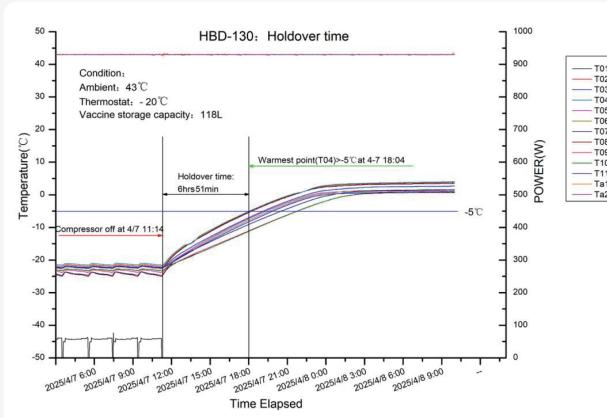


Typical performance characteristics in 43°C ambient

Cool Down Curve



Holdover Time



Specifications

Model		HBD-130
Technical Data	Cabinet Type	Chest
	Ambient Temperature (°C)	<43
	Cooling Type	Direct Cooling
	Refrigerant	CFC-Free
	Noise (dB(A))	40.6
Performance	Temperature Range (°C)	-15~ -25
Control	Controller	Microprocessor
	Display	LCD
Electrical Data	Power Supply (V/Hz)	220V~240V (50/60Hz)
	Power (W)	190
	Electrical Current (A)	1.4
	Power Consumption: Stable Running (KWh/24h)	0.98
	Power Consumption: Cool Down Test (KWh/24h)	0.95
	Holdover Time at 43°C	More Than 6hrs (up to -5°C)
Dimensions	Vaccine Storage Capacity (L/Cu.Ft)	118/4.2
	Gross Volume (L/Cu.Ft)	130/4.5
	Net/Gross Weight (approx)	kg 50/63 lbs 114/143
	Interior Dimensions (W*D*H)	mm 580*445*620 in 22.8*17.5*24.4
	Exterior Dimensions (W*D*H)	mm 790*770*950 in 31.1*30.3*37.4
	Packing Dimensions (W*D*H)	mm 840*810*1000 in 33.1*31.9*39.4
	Container Load (20'/40'/40'H)	28/56/56
	Baskets	3
	Sensor Error	Y
	Certificate	CE, WHO/PQS
Others	RTMD	Optional
	Waterpack Freezing Capacity (kg/24h)	15.2