

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

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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).

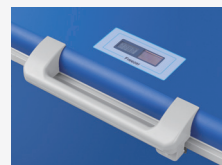
Product Features

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

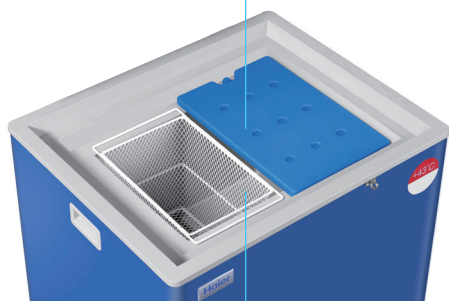
Solar powered temperature display indicates clearly the internal temperature

Handle + door lock (standard 2 keys): easy to open the door and secure storage

Drainage port for easier cabinet cleaning



Equipped with standard 2 ice rows which cover the opening of the cabinet to effectively prevent the rapid loss of cold when opening the door



Equipped with a steel basket, which is corrosion resistant and provides easier access to vaccines and medicines



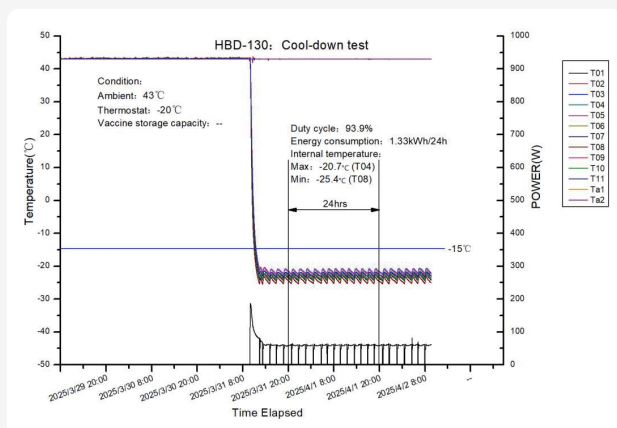
Features a condenser with dual pipes for higher heat dissipation efficiency

Integrated electric control box: including the main power switch, overload protector, temperature controller

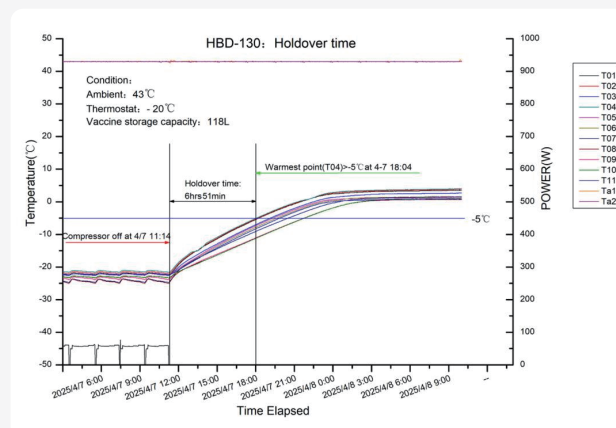
Temperature controller: electronic temperature control, accurate control & display temperature, the minimum display and control temperature is 0.1°C

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
Accessories	Container Load (20'/40'/40'H)		28/56/56
	Baskets		3
Others	Sensor Error		Y
	Certificate		CE, WHO/PQS
	RTMD		Optional
	Waterpack Freezing Capacity (kg/24h)		15.2