

Haier Biomedical
Intelligent Protection of Life Science

-86°C Personal ULT Freezer



DW-86L51J

Scope of Application :

Suitable for pharmaceutical, clinical and medical research use, for the long-term storage of samples and products under ultra-low temperature conditions.

Innovative Design

- H806mm Fits on or Under Counter
- Ergonomic & User Friendly Design
- Microprocessor Control System
- Temperature uniformity $\pm 3^{\circ}\text{C}$
- Hydrocarbon Energy Saving
- Safe, Secure and Reliable
- Multiple Data Ports

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원문: Haier Biomedical DW-86L51J DW-86L51J · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.

-86°C ULT Freezer**Product Advantages****HC Energy Saving**

High-efficiency, energy-saving hydrocarbon compressor technology. Power consumption as low as 4.5kWh/24h

**Quiet**

Optimized system and noise reduction design, noise output is 46.8dB (220V/50Hz test data)

**Personal ULT Freezer**

This compact freezer stores up to 3,000 samples in 2 freezer racks (30*2 inch boxes, 10*10 configuration), with a footprint of just 0.35m²

**Microprocessor Control System**

Microprocessor control, with temperature display precision at 0.1°C. Internal temperature is adjustable from -40°C to -86°C

**Ergonomic Design**

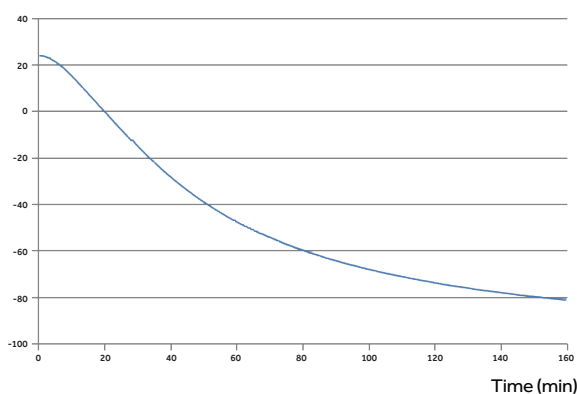
Ergonomic handle design, easy to open and close

**Superior Performance**

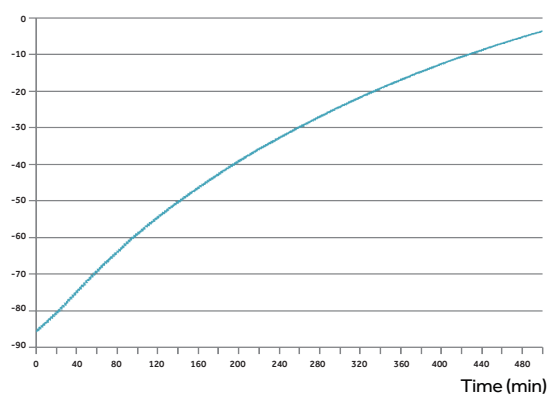
The temperature uniformity is $\pm 3^{\circ}\text{C}$, safe and reliable

Temperature Curve**Temperature Cool Down Curve**

Temperature (°C)

**Temperature Recovery Curve**

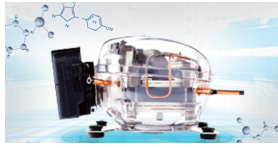
Temperature (°C)

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-86°C ULT Freezer

Product Features



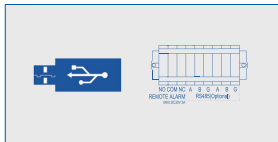
Auto-cascade Hydrocarbon (HC) Refrigeration Technology

Utilizing efficient, auto-cascade HC compressor technology to deliver superior refrigeration performance and low energy consumption



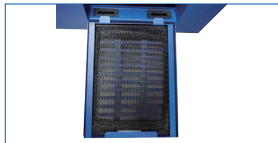
Microprocessor Control System

Microprocessor control, with temperature display precision at 0.1°C. Internal temperature is adjustable from -40°C ~ -86°C



Multiple Ports

USB interface enables users to download historical temperature data (up to 15 years)
Equipped with remote alarm function and RS485 port



Quick Access Filter Design

Tool-free removable filter design, easy and quick to clean the filter



VIP Insulation and Multilayered Sealing Design

70mm insulation layer with 25mm VIP and 4 layers of gasket improves energy efficiency and reduces heat loss to ensure a slow warm up rate in the event of power failure.



Stainless Steel Inner Door

Prevents loss of internal air to keep samples safe

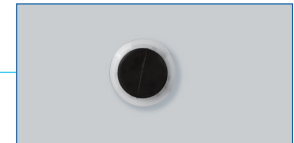


Ergonomic Design

Unique handle design, allows users to open and close the door with one hand

Internal Lock

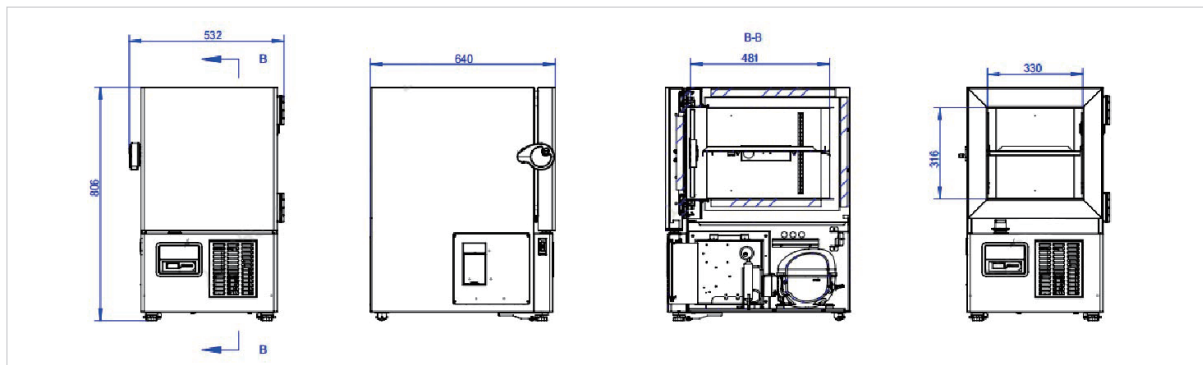
Standard internal lock with 4 keys for multiple users



Access Port

One access port as standard, allows for independent testing of cabinet temperature

Product Dimensions



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-86°C ULT Freezer**Specifications**

Model		DW-86L51J	
Technical Data	Cabinet Type	Upright	
	Climate Class	N	
	Cooling Type	Direct cooling	
	Defrost Mode	Manual	
	Refrigerant	HC	
Performance	Sound Level (dB(A))	46.8	
	Cooling Performance (°C)	-86	
	Temperature Range (°C)	-40~-86	
Control	Controller	Microprocessor	
	Display	LED	
Electrical Data	Power Supply (V/Hz)	120/60	220~240/50
	Electrical Current (A)	7.5	3
Dimensions	Capacity (L/Cu.Ft)	51/1.8	
	Net/Gross Weight	kg	77/90
		lbs	169.8/198.4
	Interior Dimension(W*D*H)	mm	330*481*316
		in	13*16.5*12.4
	Exterior Dimension(W*D*H)	mm	532*640*806
		in	20.9*25.2*31.7
	Packing Dimension(W*D*H)	mm	570*735*1100
		in	22.4*28.9*43.3
	Cabinet Width (without handle and hinge)	470	
Functions	Container Load(20'/40'/40'H)	60/126/126	
	High/Low Temperature	Y	
	Hot Condenser	Y	
	Power Failure	Y	
	High/Low Voltage	Y	
	Sensor Error	Y	
	Low Battery	Y	
	High Ambient Temperature	Y	
	Door Ajar	Y	
	Start-up delay	Y	
Accessories	Caster	Y	
	Foot	Y	
	Porthole	Y/1	
	Shelves/Inner Doors	1/1	
	USB Interface	Y	
	Remote Alarm	Y	
	RS485 Port	NA / Standard	
Other	Certification	UL CE	

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