

-86°C 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

- Ergonomic & User Friendly Design
- Hydrocarbon Energy Saving
- Safe, Secure and Reliable
- Microprocessor Control System
- Tool-free Removable Filter Design
- Multiple Data Ports

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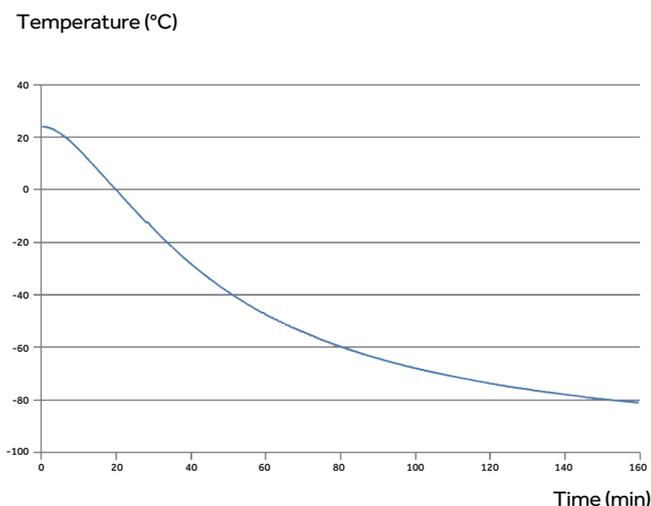


Product Advantages

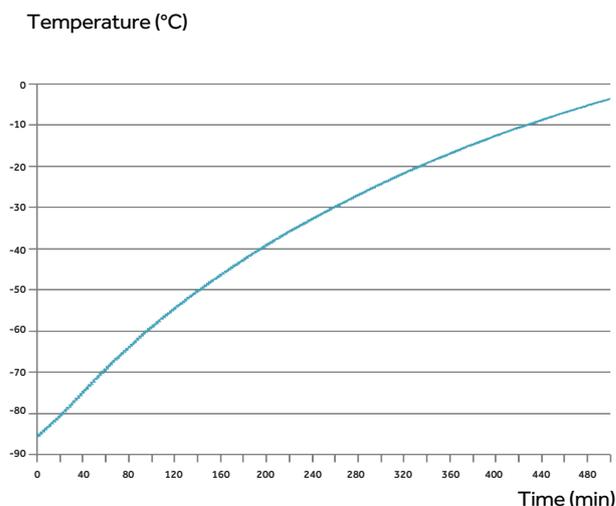
-  **HC Energy Saving**
Hydrocarbon compressor, high efficiency and energy saving, power consumption as low as 4.5kW·h/24h
-  **Personal ULT Freezer**
The freezer covers an area of only 0.35m², with a compact body
Sample capacity: 2 freezer racks, 30 boxes (2 inch boxes with 10*10 configuration) 3000 samples can be stored
-  **Ergonomic Design**
Ergonomic handle design, easy to open and close
-  **Low Noise**
Optimized system and noise reduction design, noise 46.8 dB (220V/50Hz test data)
-  **Microprocessor Control System**
Microprocessor control, with temperature display precision at 0.1°C. Internal temperature is adjustable from -40°C to -86°C
-  **Superior Performance**
The temperature uniformity is $\pm 3^{\circ}\text{C}$, safe and reliable

Temperature Curve

Temperature Cool Down Curve



Temperature Recovery Curve



Product Features



Auto-cascade Hydrocarbon (HC) Refrigeration Technology

Utilizing internationally famous auto-cascade hydrocarbon compressor, with superior refrigeration performance and energy saving



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 deliver excellent warm up time in event of power failure.



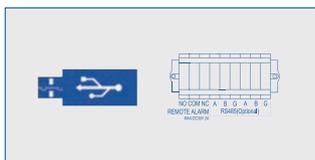
Microprocessor Control System

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



Stainless Steel Inner Door

Prevents loss of internal air to keep samples safe



Multiple Ports

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



Ergonomic Design

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

Internal Lock

Standard internal lock with 4 keys, which can be managed by different people



Quick Access Filter Design

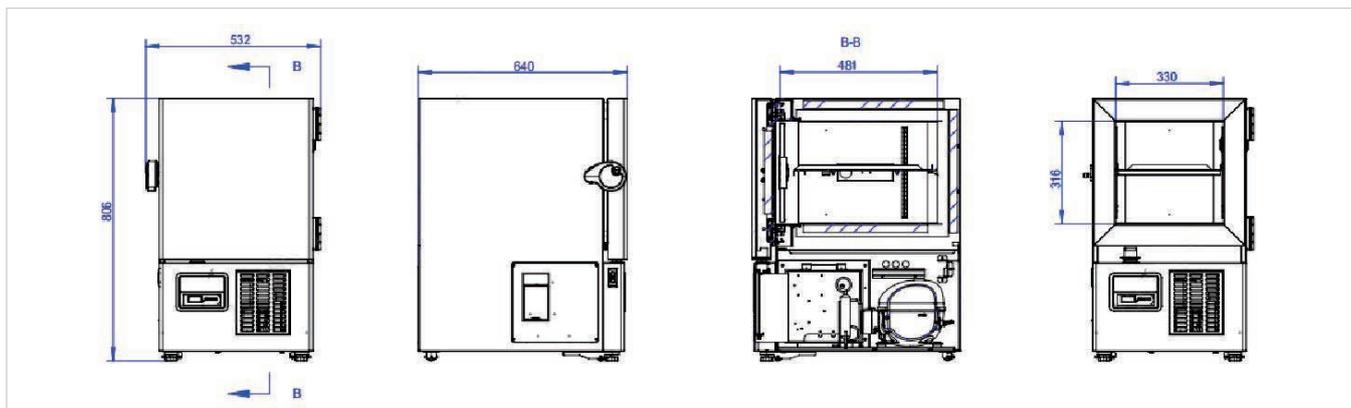
Tool-free removable filter design, easy and quick to clean the filter



Porthole

One porthole as standard, allows for independent testing of cabinet temperature

Product Dimensions



Specifications

Model		DW-86L51J	
Technical Data	Cabinet Type	Upright	
	Climate Class	N	
	Cooling Type	Direct cooling	
	Defrost Mode	Manual	
	Refrigerant	HC	
	Sound Level (dB(A))	46.8	
Performance	Cooling Performance (°C)	-86	
	Temperature Range (°C)	-40--86	
Control	Controller	Microprocessor	
	Display	LED	
Electrical Data	Power Supply (V/Hz)	220-240/50	
	Electrical Current (A)	3	
Dimensions	Capacity (L/Cu.Ft)	51/1.8	
	Net/Gross Weight	kg	73/86
		lbs	160.9/189.6
	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	550*703*847
		in	21.7*27.7*33.3
Cabinet Width (without handle and hinge)	mm	470	
Container Load(20'/40'/40'H)		64/120/120	
Functions	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	Standard	
	Freezer Rack	Model: DCJ-53-B Quantity: 2	
	Freezer Box Quantity	30	
	Sample Size (2ml)	3000	
Other	Certification	CE	

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