

-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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Product Advantages



HC Energy Saving

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



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



Ergonomic Design

Ergonomic handle design, easy to open and close



Quiet

Optimized system and noise reduction design, noise output is 46.8dB (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

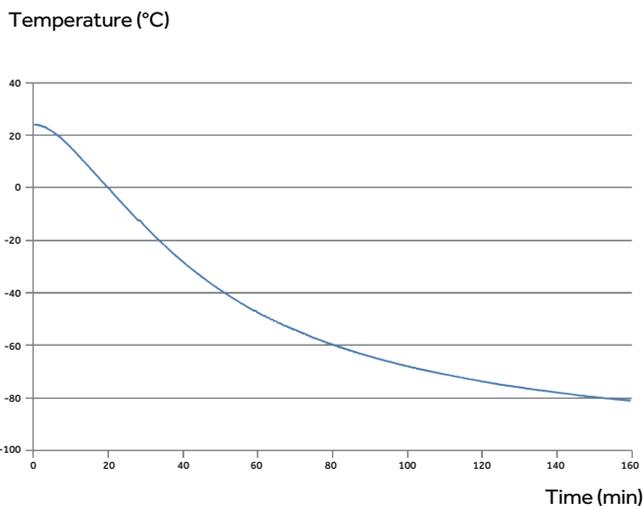


Superior Performance

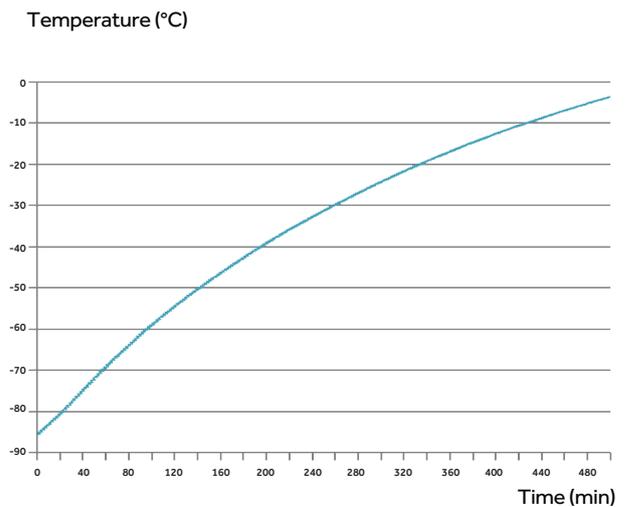
The temperature uniformity is $\pm 3^{\circ}\text{C}$, safe and reliable

Temperature Curve

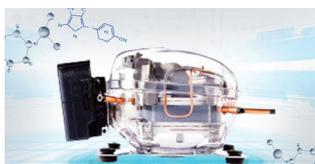
Temperature Cool Down Curve



Temperature Recovery Curve



Product Features



Auto-cascade Hydrocarbon (HC) Refrigeration Technology

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



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.



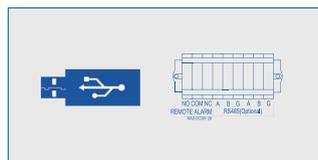
Microprocessor Control System

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

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



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



Quick Access Filter Design

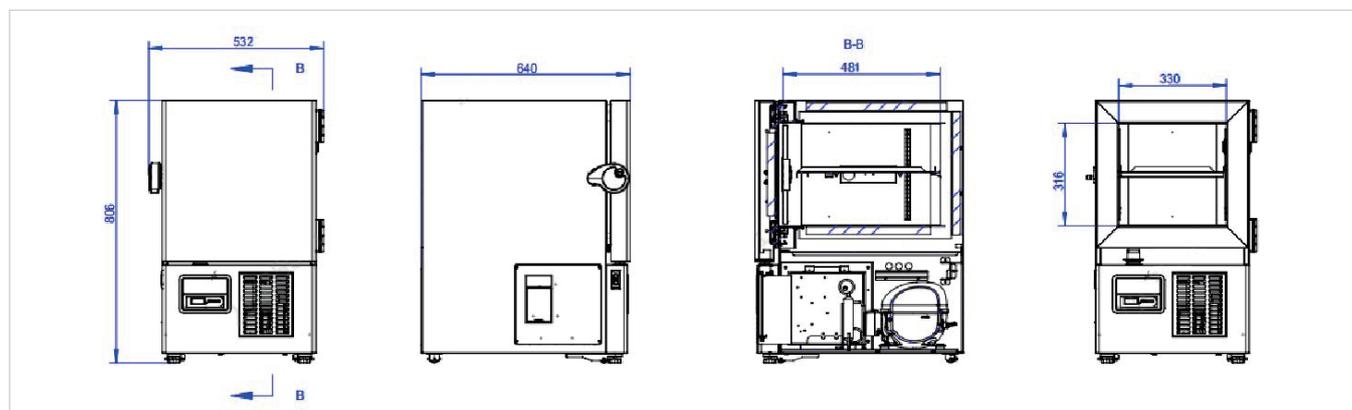
Tool-free removable filter design, easy and quick to clean the filter



Access Port

One access port 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)	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	73/86
		lbs	169.8/198.4	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	570*735*1100	
		in	22.4*28.9*43.3	
Cabinet Width (without handle and hinge)	mm	470		
Container Load(20'/40'/40'H)		60/126/126		
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	NA / Standard		
Other	Certification	UL	CE	

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