

UltraDual ULT Freezer

Engineered with a next-generation dual cooling system and fully redesigned cabinet, it delivers exceptional energy efficiency and superior performance.



Maximum Sample
Security



Low Environmental
Impact



Enhanced
performance



Brand-new Cabinet
Design



DW-86L368BPST

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Haier Biomedical



Haier Biomedical
International



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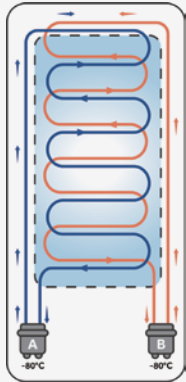


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Maximum Sample Security



The newly upgraded dual refrigeration system features two fully independent systems for robust sample protection. In the event of an unexpected failure in one system, the other maintains the cabinet at -80°C , ensuring uninterrupted, secure storage for high-value samples.

Low Environmental Impact

- Naturally occurring hydrocarbon (HC) refrigerants have an extremely low environmental impact.
- Non-toxic, eco-friendly insulation delivers outstanding sustainability, zero ozone depletion, and a significantly reduced carbon footprint, offering a truly green solution.

Enhanced Performance

Optimized dual refrigeration system and redesigned cabinet deliver industry-leading performance

 **0.58m^2**
Compact footprint

 **1min**
Faster re-entry time

 **$< 44\text{dB(A)}$**
Lower sound level

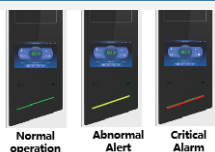
 **$\pm 2^{\circ}\text{C}$**
Outstanding temperature uniformity

Brand-new Cabinet Design



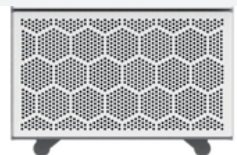
10.1 Inch Capacitive Touch Screen

State-of-art UI design coupled with sample management system to provide the optimal user experience



Innovative Light Bar Design

Clearly indicate the operating status of the freezer and offer strengthened visual alarm indications for effortless at-a-glance monitoring



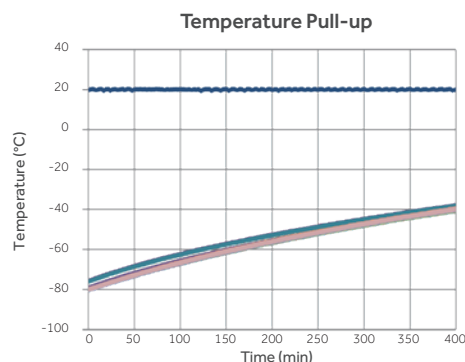
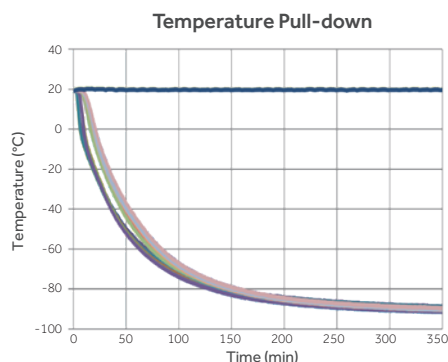
Integrated flip-type honeycomb grille for tool-free opening and easy maintenance



Backup System (Optional)

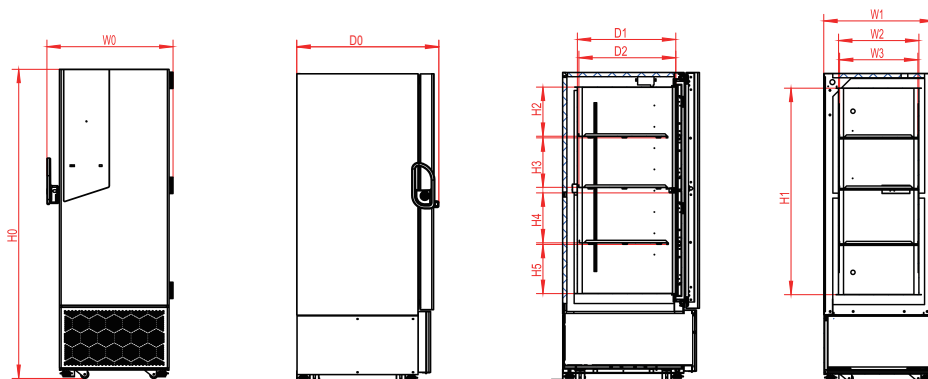
Built-in backup system and independent control panel guarantees sample safety even in the event of a long power outage

Performance Curve



Ambient Temp: 20°C | Set Point: -80°C | Empty Freezer Test

Product Dimensions



Remark

- W0 ----- Overall Unit Width
- W1 ----- Cabinet Exterior Width
- W2 ----- Inner Liner Width
- W3 ----- Shelf Clear Width (for freezer racks)
- D0 ----- Overall Unit Depth
- D1 ----- Inner Liner Depth
- D2 ----- Maximum Item Storage Depth
- H0 ----- Overall Unit Height
- H1 ----- Inner Liner Height
- H2 ----- 1st Layer Height
- H3 ----- 2nd Layer Height
- H4 ----- 3rd Layer Height
- H5 ----- 4th Layer Height

Model	Code	W0/mm	W1/mm	W2/mm	W3/mm	H0/mm	H1/mm	H2/mm	H3/mm	H4/mm	H5/mm	D0/mm	D1/mm	D2/mm
DW-86L368BPST		770	670	490	478	1886	1260	300	302	304.5	300	866	600	591

Specifications

Model		DW-86L368BPST
Technical Data	Cabinet Type	Upright
	Ambient Temperature (°C)	10°C~32°C
	Cooling Type	Direct cooling
	Defrost Mode	Manual
	Refrigerant	HC
	Sound Level (dB(A))	< 44
Performance	Cooling Performance (°C)	-86
	Temperature Range (°C)	-40~-86
Control	Controller	Microprocessor
	Display	Touch Screen LCD
Electrical Data	Power Supply (V/Hz)	100-230/50/60
	Max Power (W)	1300
Dimensions	Capacity (L/Cu.Ft)	368/13
	Net/Gross Weight	kg
		lbs
	Interior Dimension (W×D×H)	mm
		in
	Exterior Dimension (W×D×H)	mm
		in
	Packing Dimension (W×D×H)	mm
		in
	Cabinet Width (without handle and hinge)	mm
Functions	High/Low Temperature Alarm	Y
	Hot Condenser Alarm	Y
	Power Failure Alarm	Y
	High/Low Voltage Alarm	Y
	Sensor Error Alarm	Y
	Low Battery Alarm	Y
	High Ambient Temperature Alarm	Y
	Door Ajar Alarm	Y
	Start-up Delay	Y
Accessories	Caster	Y(4)
	Leveling Feet	Y(2)
	Porthole	2×rear, (15mm)diameter
	Inner Doors	2
	Shelves	3- stainless steel adjustable shelves
	Shelf Dimensions (W×D)(mm)	543×478
	Max. Load per Shelf (kg)	40
	Freezer Racks Qty (2" boxes)	12
	Capacity (2" boxes)	240
	USB Interface	Y
	Remote Alarm	Y
	5V Power Supply Port	Y
	Temperature Chart Recorder	N/A
	RS232/485 Port	Standard
	CO ₂ Backup System	N/A
	LN ₂ Backup System	N/A
Other	Certification	CE

*CE certification expected by end of September