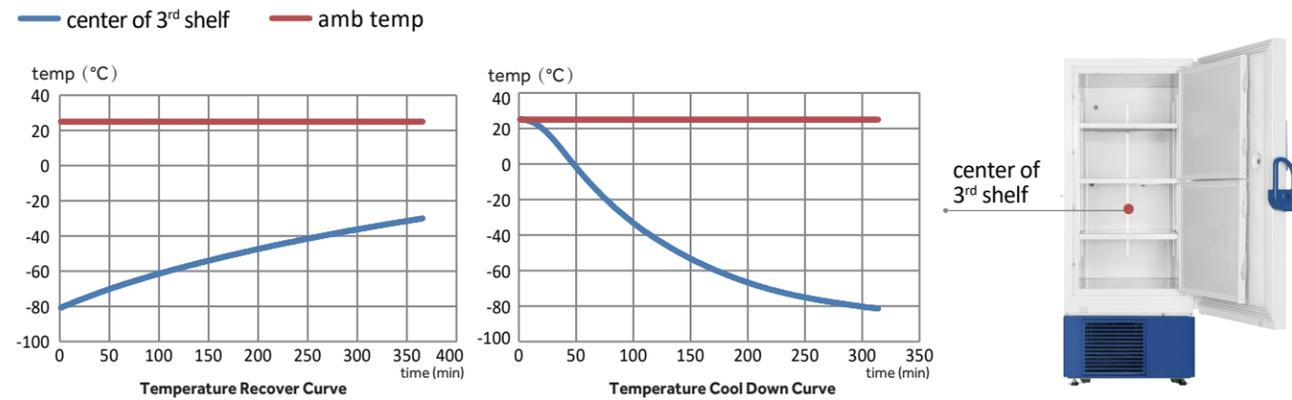


Typical Performance Characteristics in 25°C Ambient



KEY
 W0 --- TOTAL WIDTH
 W1 --- FREEZER WIDTH
 W2 --- INNER CABINET WIDTH
 W3 --- SHELF WIDTH
 D0 --- TOTAL DEPTH
 D1 --- INNER CABINET DEPTH
 D2 --- SHELF DEPTH
 H0 --- TOTAL HEIGHT
 H1 --- INNER CABINET HEIGHT

Parameter	W0	W1	W2	W3	H0	H1	D0	D1	D2	
Model	DW-86L419	830	725	465	450	1980	1310	980	716	710

Specifications

DW-86L419					
Technical Data	Cabinet Type	Upright	Functions	High/Low Temperature	Y
	Climate Class	N		Hot Condenser	Y
	Cooling Type	Direct Cooling		Power Failure	Y
	Defrost Mode	Manual		High/Low Voltage	Y
	Refrigerant	HC		Sensor Error	Y
Performance	Sound Level (dB(A))	47	Low Battery	Y	
	Cooling Performance (°C)	-86	High Ambient Temperature	Y	
Control	Temperature Range (°C)	-40~-86	Door Ajar	Y	
	Controller	Microprocessor	Start-up Delay	Y	
Electrical Data	Display	LCD Touchscreen	Caster	Y	
	Power Supply (V/Hz)	220~240/50	Foot	Y	
Dimensions	Power (W)	800	Porthole	Y/2	
	Electrical Current (A)	5	Shelves/ Inner Doors	3/2	
	Capacity (L/Cu.Ft)		419/14.8	USB Interface	Y
		Net/Gross Weight (approx)	kg	255/286	Remote Alarm
	Interior Dimension (W*D*H)	mm	465*716*1310	5V Power Supply Port	Y
		in	18.3*28.2*51.6	Temperature Chart Recorder	Optional
	Exterior Dimension (W*D*H)	mm	830*980*1980	RS485 Port	Y
		in	32.7*38.6*78.0	CO ₂ Backup System	Optional
	Packing Dimension (W*D*H)	mm	890*1090*2130	LN ₂ Backup System	Optional
		in	35.0*42.9*83.9	CE	Y
Container Load (20'/40'/40'H)		12/26/26	Energy Star	/	

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



DW-86L419

ULT Freezer

Making Your Lab More Intelligent and Reliable

Intelligent Inventory Management

10-inch touchscreen with single version inventory management allows users to easily record item locations, entry and exit records for intelligent stock management.

Safe and Reliable Storage

Temperature uniformity $\leq \pm 4^\circ\text{C}$, equipped with an intelligent temperature monitoring system, real-time temperature data monitoring function and multiple safety alarm system.

Energy Saving and Environmentally Friendly

The optimized hydrocarbon refrigeration system is more environmentally friendly and uses significantly less energy than older technologies, saving up to 30% on electricity.

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Ergonomic Design



Narrow Door Design

The freezer can pass through a 750mm wide door when the freezer door is open.



New Handle Design

Adopting exclusive slide design, easy to open and close the door



Pressure Equalization Port

Equipped with pressure equalization port for easy opening



Porthole

Two portholes as standard, allows for independent testing of cabinet temperature



Filter Design

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



Detachable Inner Door Design

Tool-free detachable inner door, ensuring easy and quick defrost

Product Advantages

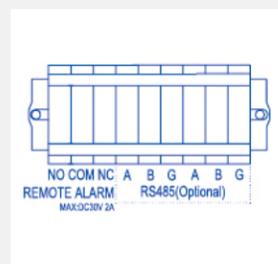


Large Intelligent LCD Screen Visual Management

10-inch high-performance LCD capacitive screen, sensitive touch operation; intuitive display of inside temperature, ambient temperature, input voltage and other data and temperature curves.

Equipped with Multiple Interfaces

- Standard USB interface, capable of storing data for 10 years
- Standard remote alarm terminal and RS485 port



Multiple Options for Safe Management and Control Systems

Password lock as standard with optional fingerprint module, face recognition and punch card system. Multi-person management control option to ensure safe and secure storage.

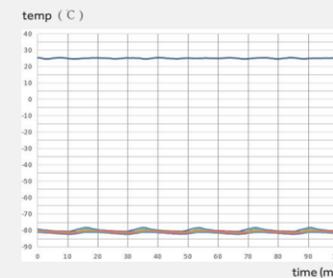
Optional IoT System Real-time Monitoring

The IoT APP can monitor the operating status of the equipment anytime and anywhere. The unit is equipped with self-diagnose system faults and alarm functions, ensuring sample safety.



Safe and Secure with Multiple Alarms

Designed and manufactured with multiple alarm functions, such as high temperature alarm, low temperature alarm, sensor failure alarm, power failure alarm, low battery alarm, door ajar alarm and high ambient temperature alarm to name a few.



Precise Temperature Control ensures Safe Storage

The setting temperature is adjustable between -40 ~ -86°C, monitoring temperature curves in real time, and the temperature safety alarm system is the latest design and start-of-the-art technology.

High-efficiency and Energy-saving Compressor

Adopting high-efficiency HC compressor and optimized refrigeration system, for safe and reliable cold storage of your samples.

