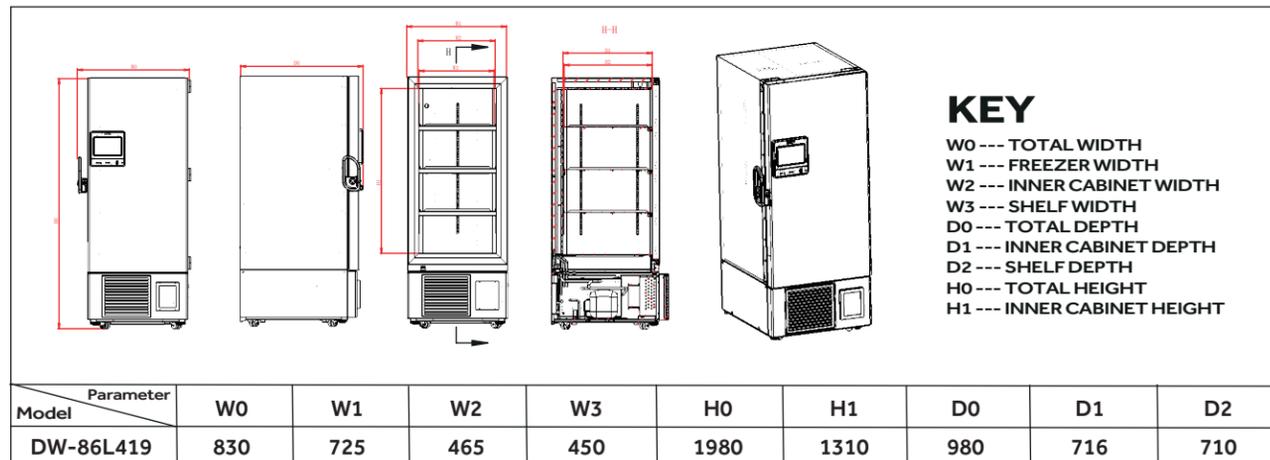
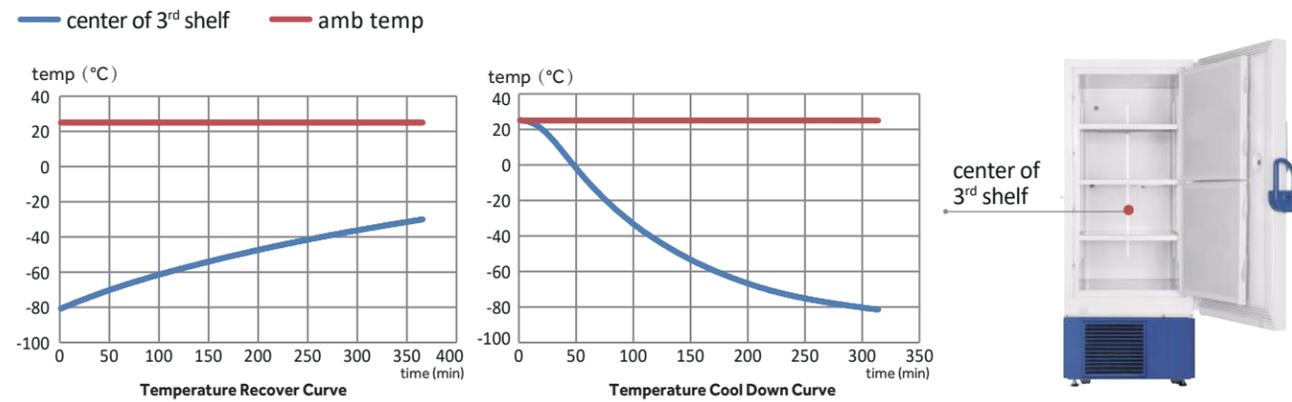


# ULT Freezer DW-86L419

Haier Biomedical  
Intelligent Protection of Life Science

## Typical Performance Characteristics in 25°C Ambient



## 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		Caster	Y	
Electrical Data	Display	LCD		Foot	Y	
	Power Supply (V/Hz)	220 ~ 240/50		Porthole	Y/2	
	Power (W)	800		Shelves/Inner Doors	3/2	
Dimensions	Electrical Current (A)	5		USB Interface	Y	
	Capacity (L/Cu.Ft)	419/14.8		Remote Alarm	Y	
	Net/Gross Weight (approx)	kg	255/286		5V Power Supply Port	Y
		lbs	562.2/630.5		Temperature Chart Recorder	Optional
	Interior Dimension (W*D*H)	mm	465*716*1310		RS485 Port	Standard
		in	18.3*28.2*51.6		CO2 Backup System	Optional
	Exterior Dimension (W*D*H)	mm	830*980*1980		LN2 Backup System	Optional
in		32.7*38.6*78.0		Other	Certification	
Packing Dimension (W*D*H)	mm	897*1078*2135			CE	
Container Load (20'/40'/40'H)	in	35.3*42.4*84.1				
		12/26/26				

# ULT Freezer

## DW-86L419

### 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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Haier Biomedical International

## 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

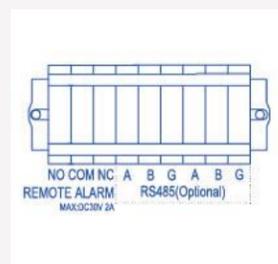


### Large Intelligent LCD Screen Visual Management

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.

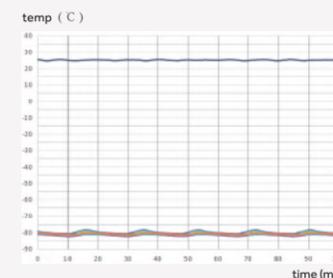
### Optional IoT System Real-time Monitoring

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.

