ULT Freezer

T Series

Making Your Lab More Intelligent and Reliable

Intelligent Management
10-inch touch screen, equipped with a single version management system, ensuring materials partition management and intelligent access.

Safe Storage
Temperature uniformity≤±5°C, equipped with intelligent temperature monitoring system, real-time temperature data monitoring function and perfect safety alarm system.

Energy Saving and Environmentally Friendly
The optimized hydrocarbon refrigeration system with independent intellectual property rights is more energy-saving and environmentally friendly, saving more than 30% of electricity, and has obtained Energy Star certification.

Haier Biomedical Salvum brand of ULT freezers has been designed to deliver energy savings and reduced carbon footprint. This range uses environmentally safe hydrocarbon refrigerants and high efficiency fan motors to maximize the cooling ability of the system and reduce energy consumption. While providing sample safety, the freezer design makes energy savings possible for laboratories.
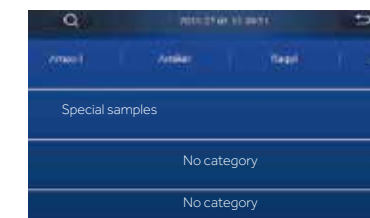
DW-86L829

DW-86L579

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.

Inventory Management System

The single version of the inventory management allows users who do not have a racking system within the freezer to easily record item locations, entry and exit records.

Single version (standard)

In instances where customers use racking systems, the optional professional version of the inventory management is available. Freezer racks, boxes, and vials can easily record item locations and entry and exit records, facilitate item inventory and statistics, realize multi-screen interaction and reduce errors through secondary verification.

The freezer comes with the single version as standard.

Professional version(optional)

Equipped with Multiple Interfaces

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

Multiple Options for Safe Management and Control Systems

Standard password lock, optional fingerprint module, punch card module, face recognition, realizing safe and secure multi-user management.
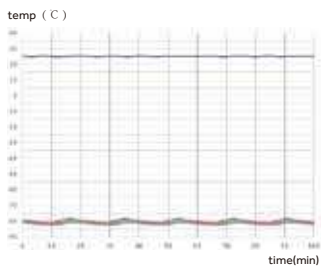
Optional IoT System Realizes Real-time Monitoring

The IoT APP can monitor the operating status of the equipment anytime and anywhere. Equipped with multiple alarm functions and able to self-diagnose system faults to ensure sample safety. (Contact your local area representative to check local availability.)

Safe and Secure with Multiple Alarms

Multiple alarm functions include high temperature alarm, low temperature alarm, sensor failure alarm, power failure alarm, low battery alarm, door ajar alarm and high ambient temperature alarm.

Precise Temperature Control Ensures Safe Storage

Adjustable temperature set-point between -40°C ~ -86°C and the ability to monitor temperature curves in real time, equipped with sophisticated temperature safety alarm system to ensure product safety.

Ergonomic Design

Narrow Door Design
The freezer can pass through an 750mm wide door when the 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, realize easy opening
Adopts chromium plating, rust-proof

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

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

Detachable Inner Door Design
Tool-free detachable inner door, realizing easy and quick defrost

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Specifications

	Model		DW-86L419	DW-86L579	DW-86L729	DW-86L829
Technical Data	Cabinet Type		Upright	Upright	Upright	Upright
	Climate Class		N	N	N	N
	Cooling Type		Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost Mode		Manual	Manual	Manual	Manual
	Refrigerant		HC	HC	HC	HC
	Sound Level (dB(A))		47	47	52	52
Performance	Cooling Performance (°C)		-86	-86	-86	-86
	Temp Range (°C)		-40～-86	-40～-86	-40～-86	-40～-86
Control	Controller		Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display		LCD	LCD	LCD	LCD
Electrical Data	Power Supply (V/Hz)		220～240/50	220～240/50	220～240/50	220～240/50
	Power (W)		800	1000	1700	1700
	Electrical Current (A)		5	5.5	9	10
Dimensions	Capacity (L/Cu.Ft)		419/14.8	579/20.45	729/25.75	829/29..3
	Net/Gross Weight (approx)	kg	255/286	300/330	350/385	380/410
		lbs	562.2/630.5	661.4/727.5	771.6/848.8	837.7/903.9
	Interior Dimensions (W*D*H)	mm	465*716*1310	620*716*1310	766*716*1310	870*716*1310
		in	18.3*28.2*51.6	24.4*28.2*51.6	30.2*28.2*51.6	34.3*28.2*51.6
	Exterior Dimensions (W*D*H)	mm	830*980*1980	903*980*1960	1049*980*1980	1153*980*1980
		in	32.7*38.6*78.0	35.6*38.6*77.2	41.3*38.6*78.0	45.4*38.6*78.0
	Packing Dimension (W*D*H)	mm	897*1078*2135	950*1055*2130	1100*1105*2150	1190*1045*2150
		in	35.3*42.4*84.1	37.4*41.5*83.9	43.3*43.5*84.6	46.9*41.1*84.6
	Container Load (20'/40'/40'H)		12/26/26	12/24/24	10/20/20	10/20/20
Alarms	High/Low Temp		Y	Y	Y	Y
	Hot Condenser		Y	Y	Y	Y
	Power Failure		Y	Y	Y	Y
	Sensor Error		Y	Y	Y	Y
	Low Battery		Y	Y	Y	Y
	High Ambient Temp		Y	Y	Y	Y
	Door Ajar		Y	Y	Y	Y
Accessories	Caster		Y	Y	Y	Y
	Foot		Y	Y	Y	Y
	Porthole		Y/2	Y/2	Y/2	Y/2
	Shelves/ Inner Doors		3/2	3/4	3/4	3/4
	USB Interface		Y	Y	Y	Y
	Remote Alarm (Dry contacts)		Y	Y	Y	Y
	5V Power Supply Port		Y	Y	Y	Y
	Temp Recorder		Optional	Optional	Optional	Optional
	RS485 Port		Standard	Standard	Standard	Standard
	CO_2 Backup System		Optional	Optional	Optional	Optional
	LN_2 Backup System		Optional	Optional	Optional	Optional
Other	Certification		CE	CE	CE	CE

Product appearance and specifications are subject to change without notice