

Water-Cooled ULT Freezer



DW-86L828W/959W

Scope of Application

Water cooled ULT freezers use less energy and heat emissions are reduced by 90%. Suitable for high ambient environments with limited options for air conditioning.

Innovative Design

- Water cooled ULT freezers use less energy and heat emissions are reduced by 90%
- Temperature uniformity of $\pm 3^{\circ}\text{C}$ (setting temperature at -80°C)
- Intelligent control system
- 10-inch large LCD capacitive screen
- Multiple alarm protection with USB and remote alarm connectivity

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Product Advantages



Microcomputer control system

Microcomputer control, 10' inch LCD temperature display, display precision 0.1°C, inside temperature adjustable set point -40-86°C. Displays operating data such as temperature, voltage and ambient temperature.



Stand-alone sample management system

The software allows users to manage sample inventory within the freezer.



Memory

USB with up to 10 years of the life temperature monitoring data can be downloaded & exported as needed.



Alarm back-up battery

When powered off, two lithium batteries can maintain the refrigerator LCD screen for 22 hours.



Multiple safety locks

The handle incorporates a keylock and facility for padlock. There is the option to have an electromagnetic lock and fingerprint recognition. Multiple of options for users to ensure samples are secure.



Superior thermal insulation performance

The door is 90mm VIP + polyurethane foam with four seals and a single seal on each inner door reduces loss of internal cold air.



Multiple alarm functions

Including high/low temperature, hot condenser, power failure, low battery, high ambient temperature and door ajar.



Networking function

R485 interface is standard, which secures multi-refrigerator networking.

Product Parts Diagram

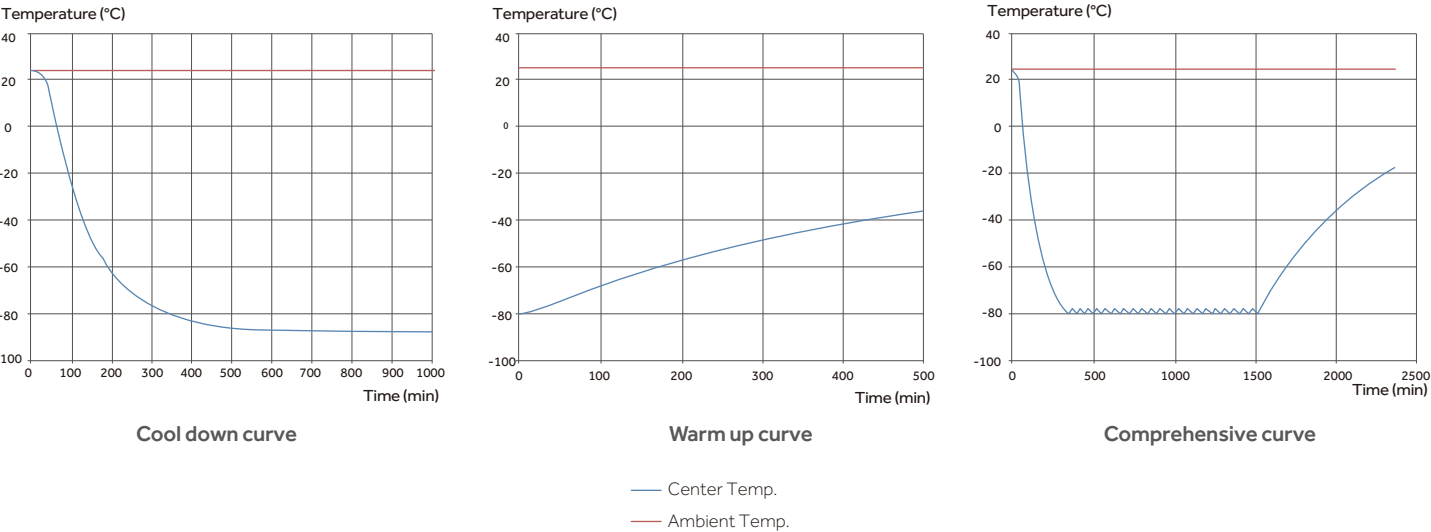


Product Dimension Drawings

Parameter description:
 W0---Overall width of the machine
 W1---Outer width of the cabinet
 W2---Inner liner width
 W3---Width of inner shelf (width of shelf for effective storage)
 D0---Overall depth of the machine
 D1--- Inner liner depth
 D2--- Inner depth of shelf (effective depth of shelf)
 H0---Overall height of the machine
 H1---Inner liner height

Model	Parameter	W0	W1	W2	W3	H0	H1	D0	D1	D2
DW-86L828W		1145mm	1050mm	870mm	854mm	1980mm	1310mm	998mm	716mm	706mm
DW-86L959W		1296mm	1196mm	1016mm	1000mm	1980mm	1310mm	998mm	716mm	706mm

Product Dimension Drawings



Specifications



Model		DW-86L828W	DW-86L959W	
Technical Data	Cabinet Type	Upright	Upright	
	Climate Class	N	N	
	Cooling Type	Direct cooling	Direct cooling	
	Defrost Mode	Manual	Manual	
	Refrigerant	HC	HC	
	Sound Level (dB(A))	43.5	47	
Performance	Cooling Performance (°C)	-86	-86	
	Temperature Range (°C)	-40~-86	-40~-86	
Control	Controller	Microprocessor	Microprocessor	
	Display	LCD Touch Screen	LCD Touch Screen	
Electrical Data	Power Supply (V/Hz)	208-230/50/60	208-230/50/60	
	Electrical Current (A)	6	7	
Dimensions	Capacity (L/Cu.Ft)		828/29.2	959/33.9
	Net/Gross Weight (approx)	kg	380/415	450/485
		lbs	837.7/914.9	992.1/1069.2
	Interior Dimension (W*D*H)	mm	870*716*1310	1016*716*1310
		in	34.3*28.2*51.6	40.0*28.2*51.6
	Exterior Dimension(W*D*H)	mm	1145*998*1980	1296*998*1980
		in	45.1*39.3*78.0	51.0*39.3*78.0
	Packing Dimension (W*D*H)	mm	1240*1080*2130	1410*1160*2185
in		48.8*42.5*83.9	55.5*45.7*86.0	
Container Load (20'/40'/40'H)		5/11/11	5/10/10	
Alarms	High/Low Temperature		Y	Y
	Hot Condenser		Y	Y
	Power Failure		Y	Y
	High/Low Voltage		Y	Y
	Sensor Error		Y	Y
	Low Battery		Y	Y
	High Ambient Temperature		Y	Y
	Door Ajar		Y	Y
Accessories	Caster		Y	Y
	Foot		Y	Y
	Porthole		Y/2	Y/2
	Shelves/Inner doors		3/4	3/4
	USB Interface		Y	Y
	Remote Alarm (Dry contacts)		Y	Y
	5V Power Supply Port		Y	Y
	Temperature Recorder		Optional	Optional
	Rs485 Port		Y	Y
	CO ₂ Backup System		Optional	Optional
	LN ₂ Backup System		Optional	Optional
Others	Certification		CE	CE

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