



DW-86L828W/959W

Water-Cooled ULT Freezer

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



Pocket organizer document storage



LCD touch screen



External door seal - four layers



Inner door seal - one layer



Finger print module (optional)



Electromagnetic door lock (optional)



Door handle (with lock)



Front protection panel of refrigeration compartment



Leveling leg

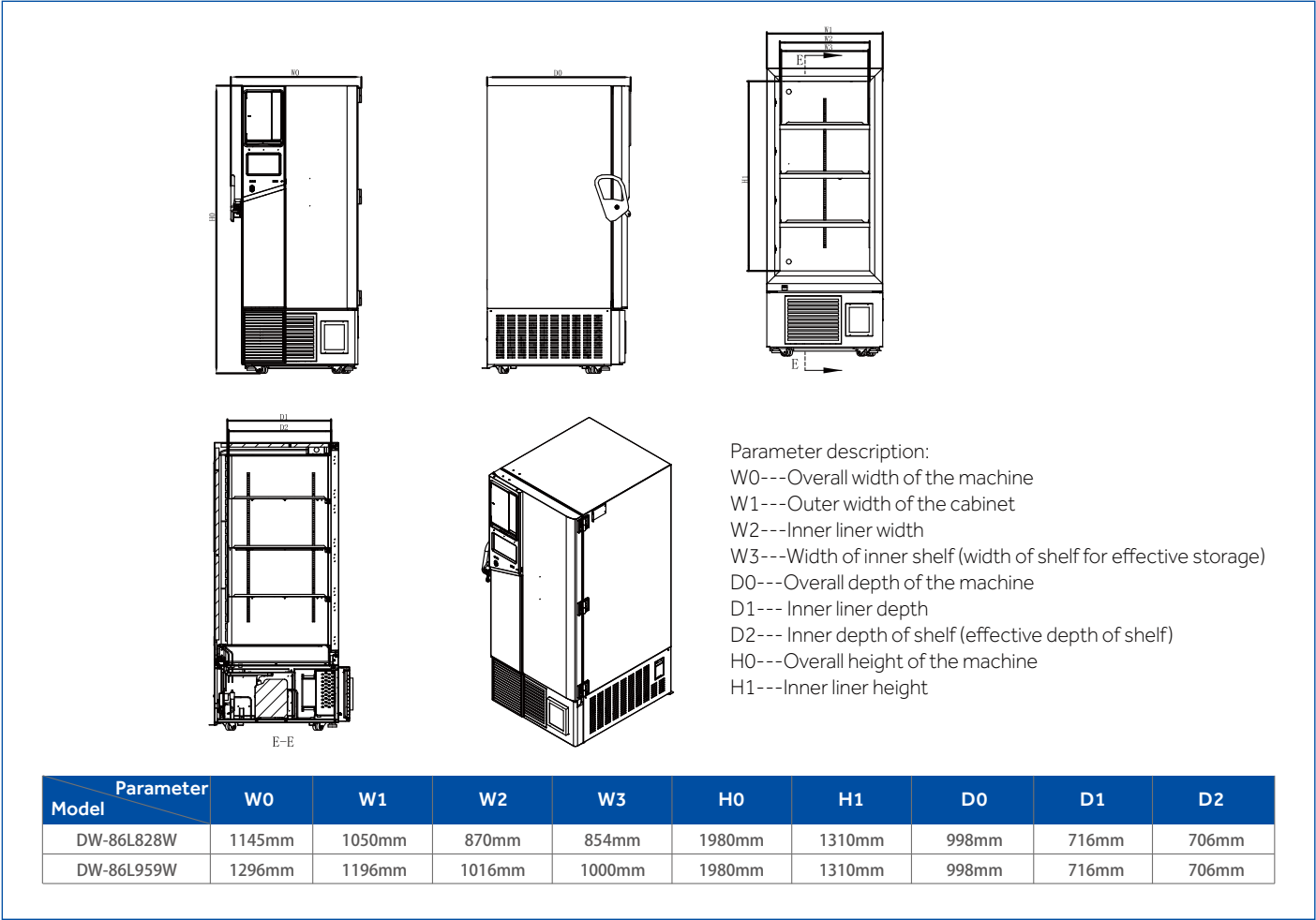
Caster

Pressure balance hole:
The door pressure relief port supports multiple door opens over short periods

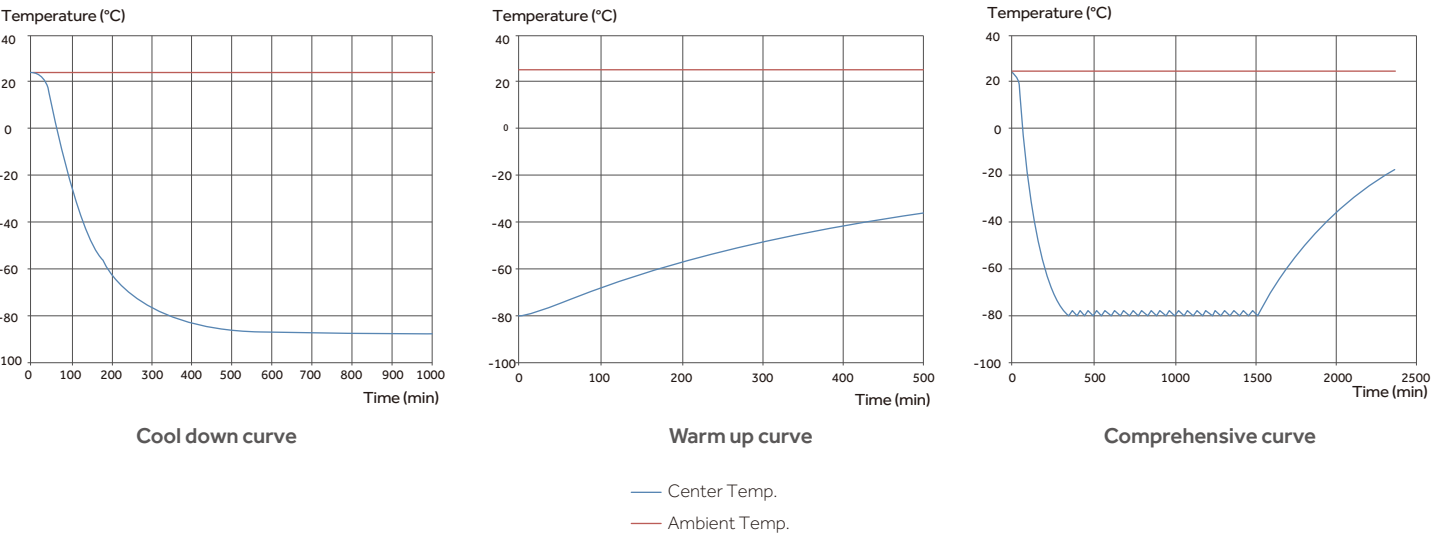


Easy to remove and clean filter

Product Dimension Drawings



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
Alarms	Container Load (20'/40'/40'H)		5/11/11	5/10/10
	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
Accessories	Door Ajar		Y	Y
	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.