

Haier Biomedical

Intelligent Protection of Life Science

-30°C Biomedical Freezer



DW-30L278

DW-30L508

Scope of Application:

Suitable for blood banks, hospitals, disease control centers, research institutes, electronic, chemical and other industries. Used for the cryopreservation of plasma, biologics and other products, and cold tests for components and materials.

Innovative Design

- Green and environmentally friendly
- Superior temperature uniformity
- High-efficiency and energy-saving compressor and system
- Low sound level

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-30°C Biomedical Freezer

Product Advantages



High-efficiency and energy-saving compressor and system

The industrial grade energy-saving compressor and optimized cooling system reduces the power consumption by more than 55% to achieve -30 °C compared with older models.



Low sound level

Several design optimisations have reduced the sound level by more than 5dB and has eliminated high-pitch noise.



Green and environmental friendly

- Hydrocarbon refrigerant compressor and HC refrigerant is a green refrigeration technology with a very low global warming potential.
- Built with isopentane foam polyurethane insulation, the series complies with European RoHS Directive.



Superior temperature uniformity

The evaporator-shelf design produces a faster cooling process and a more uniform temperature distribution. The temperature uniformity at characteristic points is $\pm 4^{\circ}\text{C}$.

Product Features

PS interior, painted steel plate exterior, rust-proof, and easy to clean

Double lock design, multi-user, independent management, latch-lock high security

10 interior plastic drawers with labeling rail for ease of organizing and identifying



Microprocessor temperature control, LCD/LED temperature display, with display accuracy being 0.1°C



Aluminum alloy handle, stable and durable

Standard casters and leveling legs for easy of maneuvering and leveling

DW-30L508



Microprocessor control system

- Microprocessor temperature controller, LCD/LED temperature display, display accuracy at 0.1°C . Adjustable temperature setting from -10°C to -30°C .
- Multiple alarm functions including high temperature alarm, low temperature alarm, sensor error alarm and power failure alarm.
- Sound and flash alarm
- Alarm lasts for more than 24 hours after power failure



Access port

An access port is standard to allow for external test probes.



Excellent temperature-retaining ability

High-efficiency insulation and a double seal design delivers improved temperature performance, energy efficiency, and system reliability.



Lock

The lock latch design provides an extra level of security.



Recorder

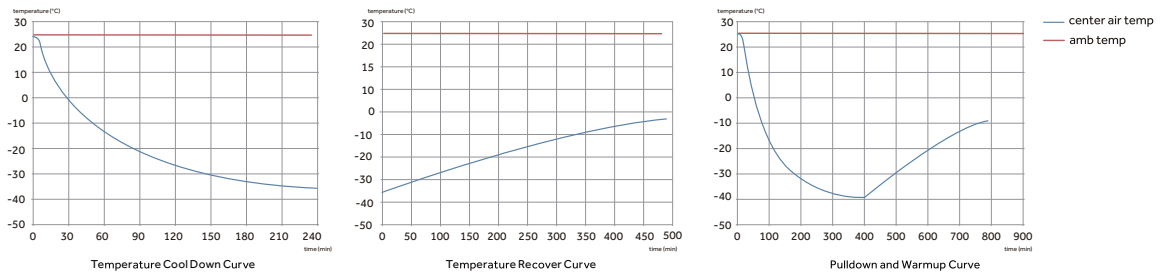
Optional chart temperature recorder available

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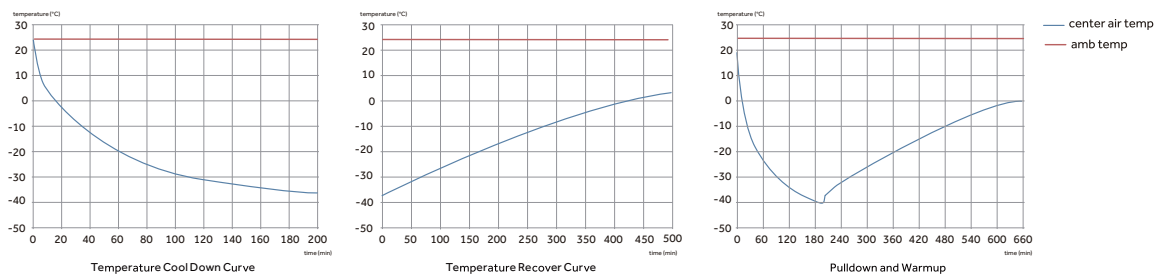
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-30°C Biomedical Freezer

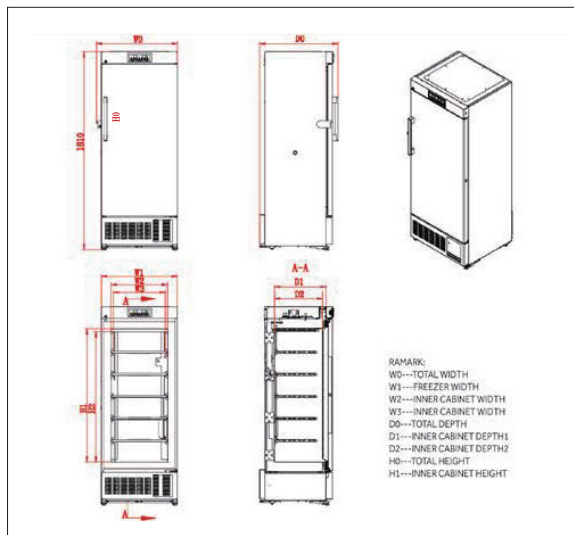
DW-30L508 TYPICAL PERFORMANCE CHARACTERISTICS IN 25°C AMBIENT



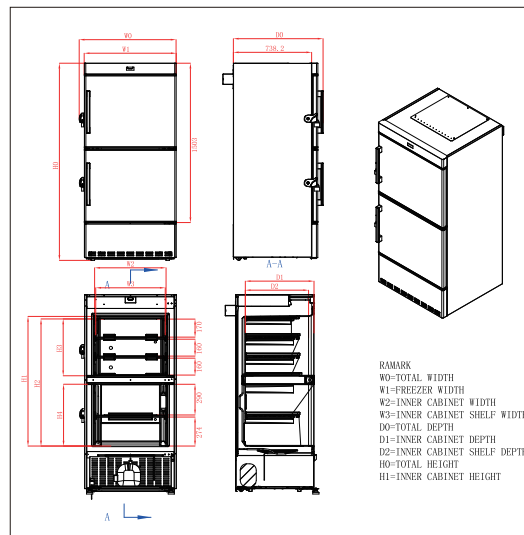
DW-30L278 TYPICAL PERFORMANCE CHARACTERISTICS IN 25°C AMBIENT



Product Dimension Drawing



MODEL	W0	W1	W2	W3	H0	H1	H2	D0	D1	D2
DW-30L278	745mm	695mm	520mm	475mm	1810mm	1230mm	1192mm	675mm	468mm	435mm



MODEL	W0	W1	W2	W3	H0	H1	H2	H3	H4	D0	D1	D2
DW-30L508	915mm	865mm	685mm	656mm	1860mm	1228mm	1200mm	536mm	585mm	810mm	648mm	610mm

-30°C Biomedical Freezer**Specifications**

	Model		DW-30L278	DW-30L508	
Technical Data	Cabinet Type		Upright	Upright, Double Door	
	Climate Class		SN N	SN N	
	Cooling Type		Direct cooling	Direct Cooling	
	Defrost Mode		Manual	Manual	
	Refrigerant		HC	HC	
	Sound Level (dB(A))		40	41	43
Performance	Cooling Performance (°C)		-30	-30	
	Temperature Range (°C)		-10~-30	-10~-30	
Control	Controller		Microprocessor	Microprocessor	
	Display		LCD	LCD	LED
Electrical Data	Power Supply (V/Hz)		220-240/50	220-240/50	115/60
	Electrical Current (A)		2	3	5.4
Dimensions	Capacity (L/Cu.Ft)		278/9.8	490/17.3	
	Net/Gross Weight (approx)	(kg)	115/135	164/200	
		(lbs)	253.7/297.7	361.6/440.9	
	Interior Dimension (W*D*H)	(mm)	520*435*1230	685*610*1228	
		(in)	20.5*17.1*48.4	27.0*24.0*48.3	
	Exterior Dimension (W*D*H)	(mm)	745*675*1810	915*810*1860	
		(in)	29.3*26.6*71.3	36.0*31.9*73.2	
	Packing Dimension (W*D*H)	(mm)	800*740*2000	980*905*2040	
		(in)	31.5*29.1*78.7	38.6*35.6*80.3	
Alarms	Container Load (20'/40'/40'H)		21/42/45	12/26/26	
	High/Low Temperature		Y	Y	
	Remote Alarm		N	N	Y
	Power Failure		Y	Y	N
	Sensor Error		Y	Y	
	Low Battery		N	N	
	High Ambient Temperature		N	N	
	Dirty Condenser		N	N	
Accessories	Door Ajar		N	N	
	Caster		Y	Y	
	Leveling Feet		Y	Y	
	Porthole		Y	Y	
	Drawers/Inner Doors		6/N	10/N	
	Adjustable Shelves		N	N	
	USB Interface		N	N	
	RS485		N	N	
Others	NFC		N	N	
	Temperature Recorder		Optional	Optional	
Others	Certificate		CE	CE	UL

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

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