

-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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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 ± 4 °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

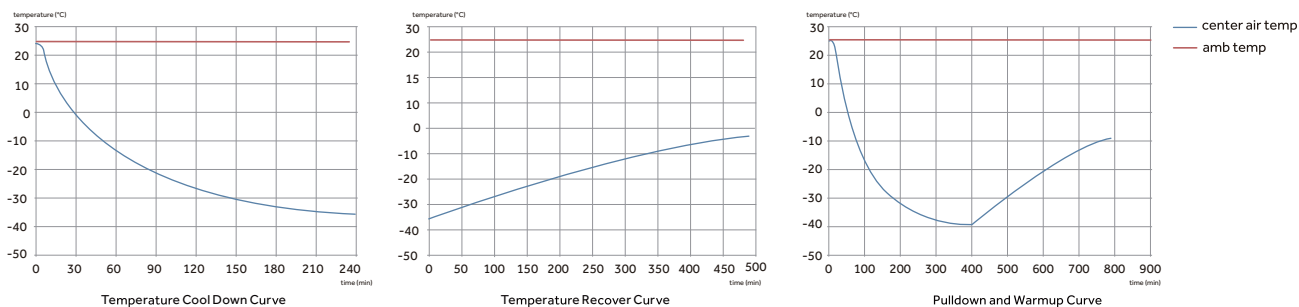
The lock latch design provides an extra level of security.



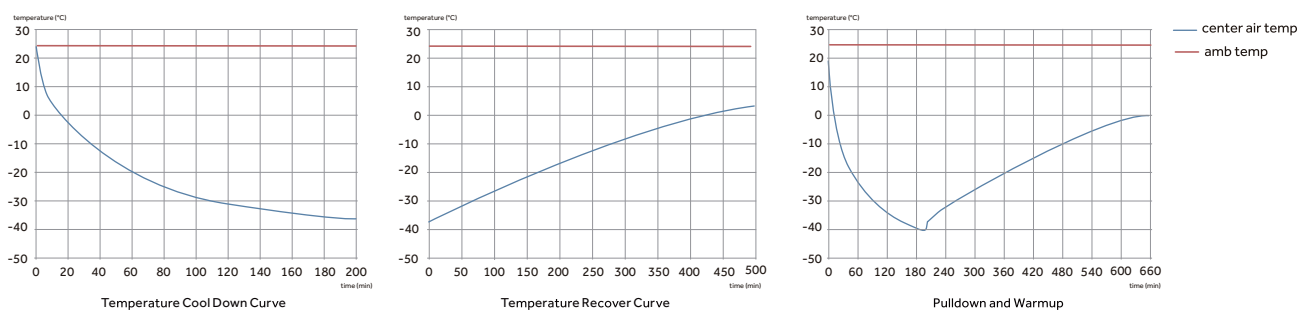
Recorder

Optional chart temperature recorder available

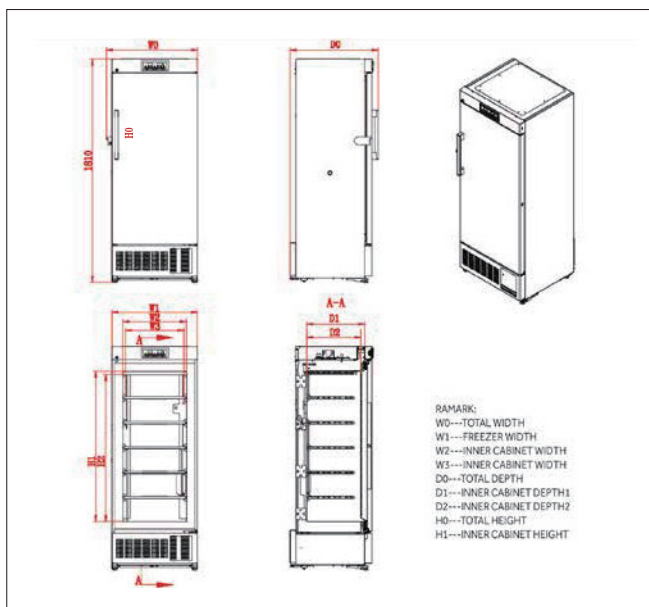
DW-30L508 TYPICAL PERFORMANCE CHARACTERISTICS IN 25°C AMBIENT



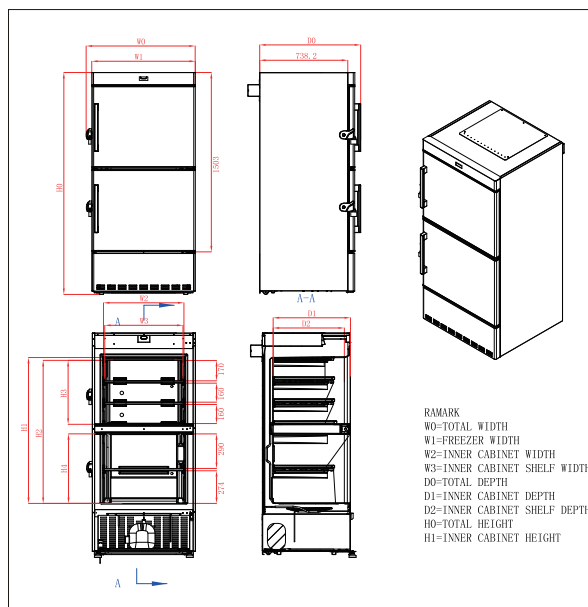
DW-30L278 TYPICAL PERFORMANCE CHARACTERISTICS IN 25°C AMBIENT



Product Dimension Drawing



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



MODEL	CODE	W0	W1	W2	W3	H0	H1	H2	H3	H4	D0	D1	D2
DW-30L508		915mm	865mm	685mm	656mm	1860mm	1228mm	1200mm	536mm	583mm	810mm	648mm	610mm

Specifications



Model		DW-30L278	DW-30L508			
Technical Data	Cabinet Type	Upright	Upright			
	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		
	Power (W)	330	530	600		
	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	253.7/297.9		361.6/440.9	
	Interior Dimensions (W*D*H)	mm	520*435*1230		685*610*1228	
		in	20.5*17.1*48.4		27.0*24.0*48.3	
	Exterior Dimensions (W*D*H)	mm	745*675*1810		915*810*1860	
		in	29.3*26.6*71.3		36.0*31.9*73.2	
	Packing Dimensions (W*D*H)	mm	805*725*1970		980*905*2040	
in		31.7*28.5*77.6		38.6*35.6*80.3		
Container Load (20'/40'/40'H)		21/44/44		12/26/26		
Functions	High/Low Temperature	Y	Y	Y		
	Power Failure	Y	Y	/		
	Sensor Error	Y	Y	Y		
Accessories	Caster	Y	Y			
	Foot	Y	Y			
	Porthole	Y	Y			
	Temperature Recorder	Optional	Optional			
Certification	CE	Y	Y	/		
	UL	/	/	Y		

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