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
- High-efficiency and energy-saving compressor and system
- Superior temperature uniformity
- 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

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.

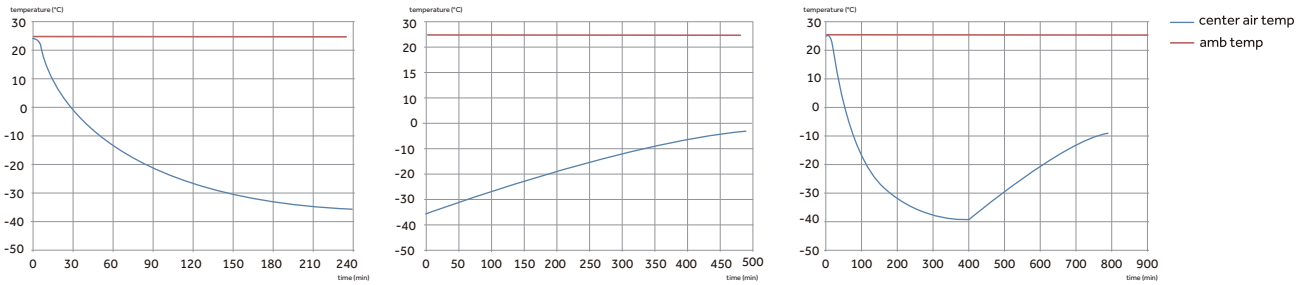
Lock

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



Temperature Cool Down Curve

Temperature Recover Curve

Pulldown and Warmup Curve

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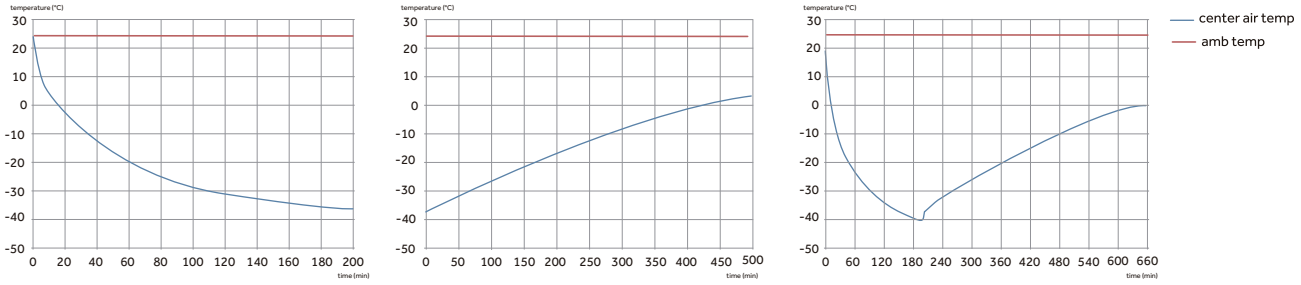

Temperature Cool Down Curve

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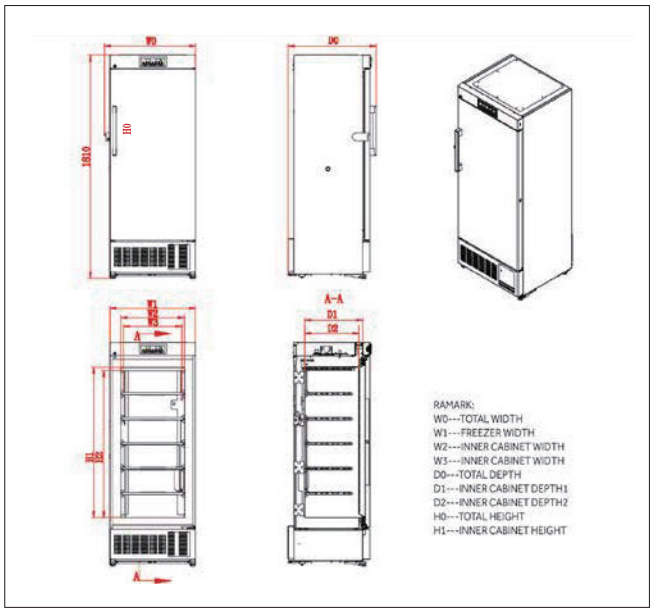
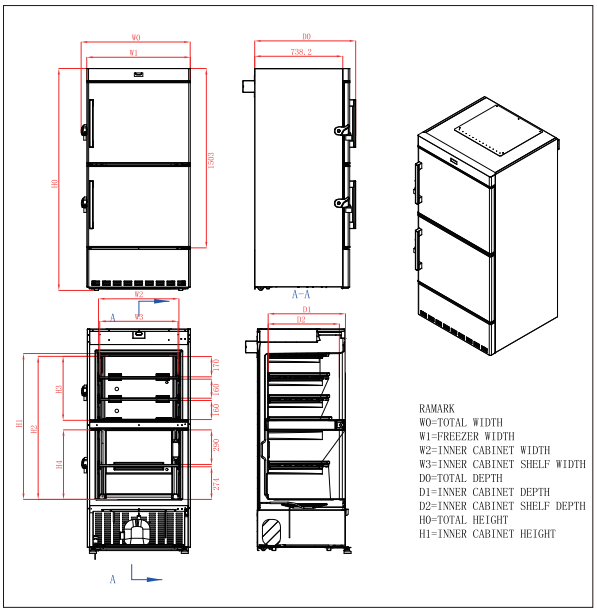
Pulldown and Warmup

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, 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	
	Container Load (20'/40'/40'H)		21/42/45	12/26/26	
Alarms	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	
	Door Ajar		N	N	
Accessories	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	
	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.