

Haier Biomedical
Intelligent Protection of Life Science



DW-40L298J/418D/528D



Environmental Protection



Superior Uniformity



HC Energy-saving

Qingdao Haier Biomedical Co., Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266111, P.R. China
E-mail: inquiry@haierbiomedical.com
Website: www.haiermedical.com
04-06-2025_v2



-40°C Biomedical Freezer

Scope of Application

Suitable for the storage of plasma, biological material, reagents and other essential items. Used within hospitals, disease prevention, academia and commercial laboratories.

Innovative Design

- Low noise
- Environmentally-friendly
- Superior uniformity
- Energy saving hydrocarbon technology
- Multiple alarms ensure the safety of the stored samples
- Adjustable shelves to facilitate and customize storage space



Haier Biomedical
International



Haier Biomedical
International



@haiermedicalint



Haier Biomedical
International



Haier Biomedical
International

원문: Haier Biomedical DW-40L298J/418D/528D DW-40L298J/418D/528D · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.

Haier Biomedical

Intelligent Protection of Life Science

-40°C Biomedical Freezer

Product Advantages



HC energy-saving

High efficiency hydrocarbon compressor and refrigeration technology for a lower energy consumption



Environmental protection

Hydrocarbon refrigerant, LBA foam polyurethane insulation layer



Superior uniformity

With the optimized system design, the temperature uniformity of the characteristic point is $\pm 3^{\circ}\text{C}$, and the uniformity of the whole temperature zone is controlled within $\pm 5^{\circ}\text{C}$



Adjustable shelves

Built-in evaporator and adjustable shelves provides large available interior space. Users can store items of different sizes as needed

Ergonomic Design



Low noise

Optimized hydrocarbon system and structure noise reduction design ensures low noise output and quieter operation



Complete configuration

Optional USB interface, chart recorder, RS485, stainless steel shelf, plastic drawer and plastic basket



Multiple alarms

Including high/low temperature alarm, sensor error alarm, power failure alarm, door ajar alarm, high ambient temperature alarm, low battery alarm
Alarm mode: Audible/visual and remote alarm



Microcomputer control

Microcomputer electronic temperature controller, LED digital display, display precision is 0.1°C , the adjustable temperature range is -20°C ~ -40°C



DW-40L298J



DW-40L418D



DW-40L528D

원문: Haier Biomedical DW-40L298J/418D/528D DW-40L298J/418D/528D · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.

Haier Biomedical

Intelligent Protection of Life Science

-40°C Biomedical Freezer

Product Parts

Control Panel

Microcomputer electronic temperature controller, LED digital display, display precision is 0.1°C

Safety Lock

Mechanical lock and lock catch, separate key for the two standard mechanical locks and the lock catch allows the users equip the padlock if necessary. Secure and safe storage, convenient for multiple users

Porthole

Equipped with two standard portholes (inner diameter 25mm) on the left and right sides of the freezer, convenient for users to conduct independent testing

Adjustable Shelves

The adjustable shelves ensure the maximum usage efficiency of the internal space, and users can store items of different sizes as needed

Feet and Casters

4 back-and-forth casters and 2 adjustable feet for easy moving and leveling

USB Interface (Optional)

Enables users to download historical temperature data

Chart Temperature Recorder (Optional)

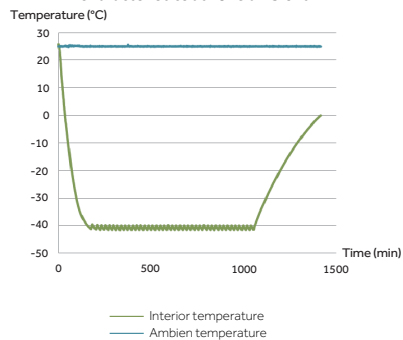
Logs temperature over a 7-day period and tracks trends in real-time, hard copies can be retained for compliance



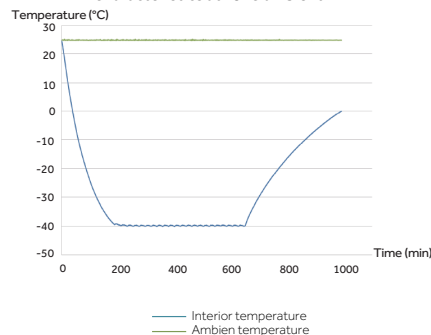
DW-40L528D

Cabinet Temperature

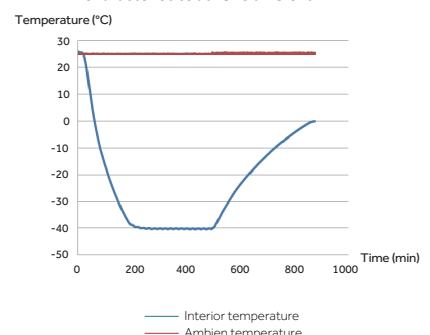
DW-40L298J Typical Performance Characteristics at 25°C ambient



DW-40L418D Typical Performance Characteristics at 25°C ambient

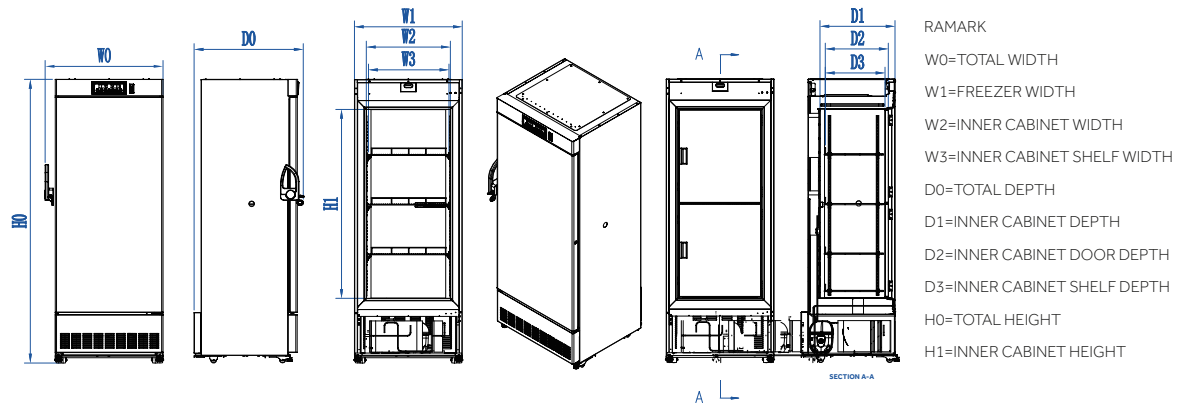


DW-40L528D Typical Performance Characteristics at 25°C ambient



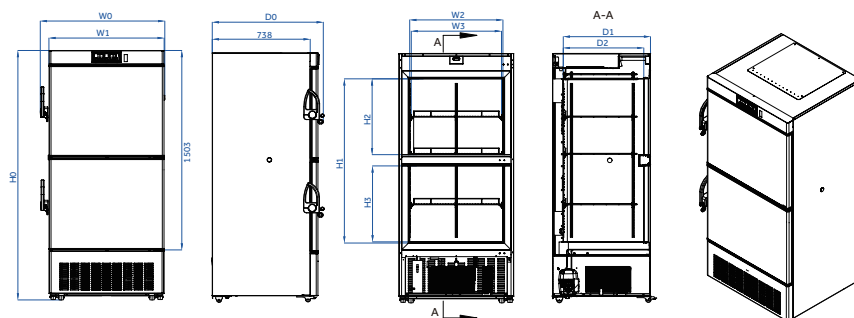
원문: Haier Biomedical DW-40L298J/418D/528D DW-40L298J/418D/528D · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.

Product Dimensions



RAMARK
W0=TOTAL WIDTH
W1=FREEZER WIDTH
W2=INNER CABINET WIDTH
W3=INNER CABINET SHELF WIDTH
D0=TOTAL DEPTH
D1=INNER CABINET DEPTH
D2=INNER CABINET DOOR DEPTH
D3=INNER CABINET SHELF DEPTH
H0=TOTAL HEIGHT
H1=INNER CABINET HEIGHT

MODEL	CODE (mm)									
	W0	W1	W2	W3	D0	D1	D2	D3	H0	H1
DW-40L298J	770	695	541	518	710	484	443	384	1828	1218



RAMARK
W0=TOTAL WIDTH
W1=FREEZER WIDTH
W2=INNER CABINET WIDTH
W3=INNER CABINET SHELF WIDTH
D0=TOTAL DEPTH
D1=INNER CABINET DEPTH
D2=INNER CABINET SHELF DEPTH
H0=TOTAL HEIGHT
H1=INNER CABINET HEIGHT
H2=INNER CABINET DOOR HEIGHT
H3=INNER CABINET SHELF HEIGHT

MODEL	CODE (mm)										
	W0	W1	W2	W3	H0	H1	H2	H3	D0	D1	D2
DW-40L528D	940	865	704	680	1878	1230	572	572	845	657	620
DW-40L418D	790	715	554	550	1878	1230	572	572	845	657	620

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

Specifications

	Model	DW-40L298J	DW-40L298JA	DW-40L418D	DW-40L528D	DW-40L528DA
Technical Data	Cabinet Type	Upright		Upright (Double Door)	Upright (Double Door)	
	Climate Class	SN N		SN N	SN N	
	Cooling Type	Direct Cooling		Direct Cooling	Direct Cooling	
	Defrost Mode	Manual		Manual	Manual	
	Refrigerant	HC		HC	HC	
	Sound Level (dB(A))	40	42	40	39	42
Performance	Cooling Performance (°C)	-40		-40	-40	
	Temperature Range (°C)	-20~-40		-20~-40	-20~-40	
Control	Controller	Microprocessor		Microprocessor	Microprocessor	
	Display	LED		LED	LED	
Electrical Data	Power Supply (V/Hz)	220-240/50	208-230/60	220-240/50	220-240/50	208-230/60
	Power (W)	350	270	370	375	280
Dimensions	Capacity (L/Cu.Ft)	298/10.5		418/14.8	531/18.8	
	Net/Gross Weight (approx)	kg	119/147	141/169	147/178	
		lbs	262.3/324.1	310.8/372.6	324.1/392.4	
	Interior Dimension (W*D*H)	mm	541*443*1218	554*620*1230	704*620*1230	
		in	21.3*17.4*48.0	21.8*24.4*48.4	27.7*24.4*48.4	
	Exterior Dimension (W*D*H)	mm	770*710*1828	790*845*1878	940*845*1878	
		in	30.3*28.0*72.0	31.1*33.3*73.9	37.0*33.3*73.9	
	Packing Dimension (W*D*H)	mm	840*770*2000	860*930*2040	1005*940*2040	
Alarms		in	33.0*30.3*78.7	33.9*36.6*80.3	39.6*37.0*80.3	
	Container Load (20'/40'/40'H)	21/42/42		12/24/26	10/22/24	
	High/Low Temperature	Y		Y	Y	
	Remote Alarm	Y		Y	Y	
	Power Failure	Y		Y	Y	
	Sensor Error	Y		Y	Y	
	Low Battery	Y		Y	Y	
	High Ambient Temperature	Y		Y	Y	
Accessories	Dirty Condenser	N		N	N	
	Door Ajar	Y		Y	Y	
	Casters	Y(4)		Y(4)	Y(4)	
	Leveling Feet	Y(2)		Y(2)	Y(2)	
	Porthole	Y, 1*Left Side, 1*Right Side, (25mm)Diameter		Y, 1*Left Side, 1*Right Side, (25mm)Diameter	Y, 1*Left Side, 1*Right Side, (25mm)Diameter	
	Inner Doors	2		N	N	
	Drawers	6- Plastic Drawers, Optional		12- Plastic Drawers, Optional	10- Plastic Drawers, Optional	
	Shelves	3- Adjustable Wire Shelves		3- Adjustable Wire Shelves	3- Adjustable Wire Shelves	
Others	Shelf Dimensions (WxD)(mm)	518*373		530*528	680*537	
	Max. Load per Shelf (kg)	20		28	37	
	USB Interface	Optional		Optional	Optional	
	RS485	Optional		Optional	Optional	
	NFC	N		N	N	
	Temperature Recorder	Optional		Optional	Optional	
	Certificate	CE, MDR	CE, MDR	CE, MDR	CE, MDR	CE, MDR

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