

AeroSure Biomedical Freezer -30°C Forced Air Cooling



Innovative Design

- Automatic Defrost Design
- Forced-Air Cooling
- High Energy Efficiency
- Eco-Friendly & Sustainable
- Multiple Alarm Functions
- Superior Temperature Uniformity

DW-30L700F

Product Features



Automatic Defrost Design

Automatic air-cooled defrosting technology minimizes frost accumulation, eliminating the need for frequent manual defrosting and ensuring continuous, hassle-free operation



Forced-Air Cooling

A forced air circulation system ensures rapid temperature recovery after door openings, minimizing fluctuations to protect sample integrity



High Energy Efficiency

Equipped with an inverter compressor and an optimized refrigeration system, it delivers exceptional energy savings and consistent performance



Microprocessor-Controlled System

Precision temperature controller with a microprocessor, featuring a -30°C to -10°C temperature range and 0.1°C display accuracy



Fast Temperature Recovery

Rapid temperature recovery after a 1-minute door opening, over 20% higher efficiency than direct cooling, ensuring optimal protection of samples



Eco-Friendly & Sustainable

Hydrocarbon refrigerant and non-toxic, eco-friendly insulation materials for a sustainable, low-carbon footprint



Multiple Alarm Functions

Including high/low temperature alarm, sensor error alarm, power failure alarm, low battery alarm, door ajar alarm, high ambient temperature alarm, condenser dirty alarm. Alarm mode is sound and flash



Superior Temperature Uniformity

At a set temperature of -30°C, the empty-chamber temperature uniformity is maintained at $\leq \pm 2^\circ\text{C}$, and during defrosting, it is maintained at $\leq \pm 5^\circ\text{C}$, ensuring a highly stable sample storage environment



Rich Configurations

Standard: Touchscreen, USB, RS485, wire shelves
Optional: Blood bag drawers, stainless steel inner liner, stainless steel drawers, temperature chart recorder

Ergonomic Design



6.67" LCD touchscreen clearly displays temperature curves and operational status, enabling comprehensive monitoring of sample storage conditions



Self-closing doors with recessed handles for smooth operation



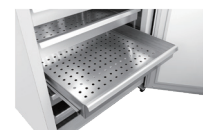
Four swivel casters and two adjustable leveling feet for easy moving and installation



- Standard USB interface support for export temperature, operation and fault alarm data
- Optional temperature chart recorder ensures full temperature traceability

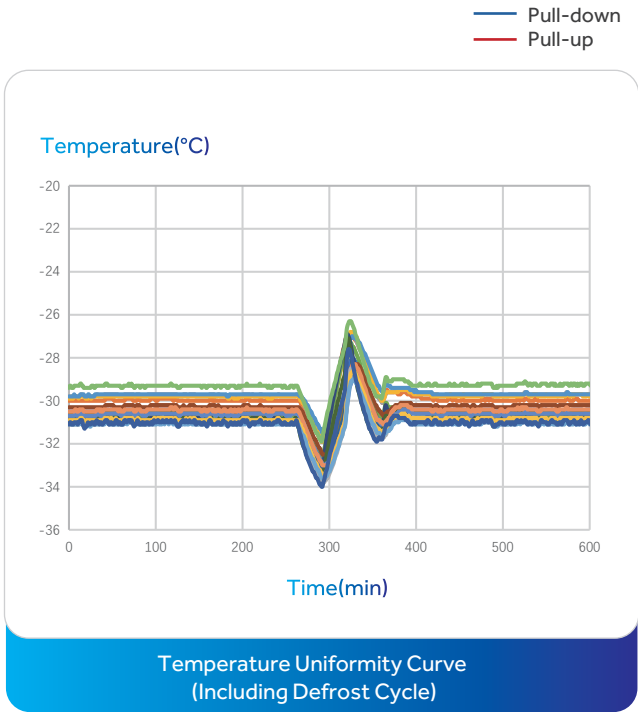
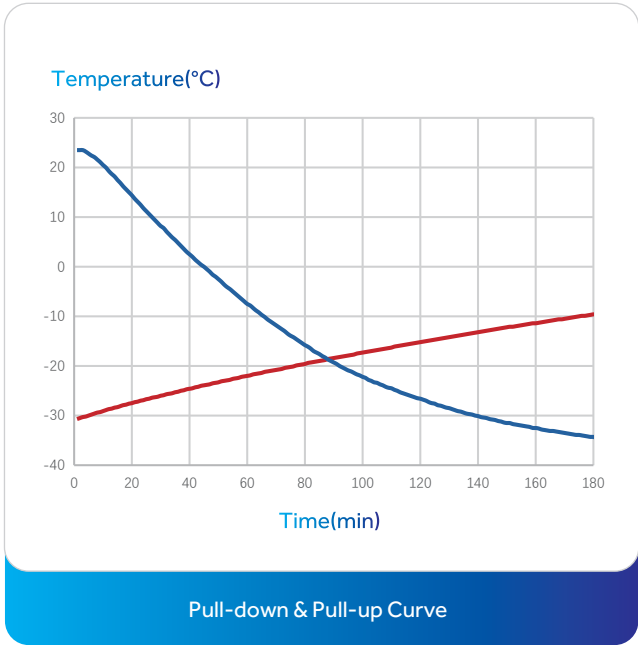


Standard with 5 adjustable wire shelves, accommodating up to 30 blood-bag drawers (optional)



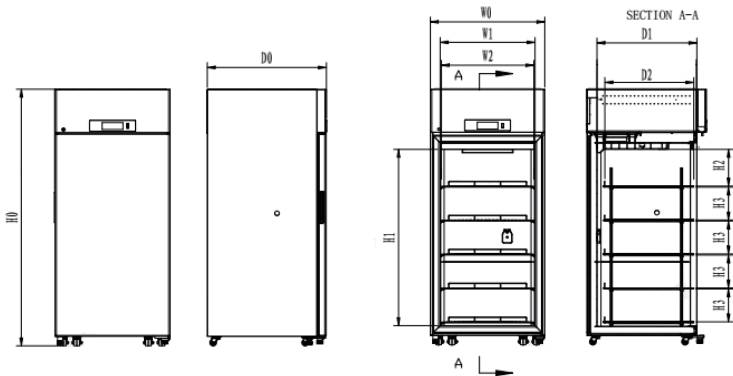
Optional 7 stainless steel drawers for maximum storage flexibility

Performance Curve



Ambient Temp: 25°C | Set Point: -30°C | Empty Freezer Test

Product Dimensions



- Remark**
- W0 ---- Overall Unit Width
 - W1 ---- Inner Liner Width
 - W2 ---- Shelf Clear Width (for freezer racks)
 - D0 ---- Overall Unit Depth
 - D1 ---- Inner Liner Depth
 - D2 ---- Maximum Item Storage Depth
 - H0 ---- Overall Unit Height
 - H1 ---- Inner Liner Height
 - H2 ---- Top Layer Height
 - H3 ---- Shelf Layer Height

Code Model	W0	W1	W2	D0	D1	D2	H0	H1	H2	H3
DW-30L700F	875mm	725mm	708mm	910mm	755mm	676mm	1965mm	1350mm	281mm	260mm

Specifications



Model			DW-30L700F	
Technical Data	Cabinet Type		Upright	
	Climate Class		SN	
	Cooling Type		Forced Air Cooling	
	Defrost Mode		Automatic Defrost	
	Refrigerant		HC	
	Sound Level (dB(A))		41	
Performance	Cooling Performance (°C)		-30	
	Temperature Range (°C)		-10~-30	
Control	Controller		Microprocessor	
	Display		LCD Touchscreen	
Electrical Data	Power Supply (V/Hz)		220-240/50/60	115/60
	Power (W)		560	555
Dimensions	Capacity (L/Cu.Ft)		700/24.7	
	Net/Gross Weight (approx)	kg	180/210	
		lbs	396.8/463	
	Interior Dimension (W×D×H)	mm	725×755×1350	
		in	28.5×29.7×53.1	
	Exterior Dimension (W×D×H)	mm	875×910×1965	
		in	34.4×35.8×77.4	
	Packing Dimension (W×D×H)	mm	975×1055×2110	
		in	38.4 × 41.5 × 83.1	
	Container Load (20'/40'/40'H)		12/24/24	
Alarms	High/Low Temperature		Y	
	Remote Alarm		Y	
	Power Failure		Y	
	Sensor Error		Y	
	Low Battery		Y	
	High Ambient Temperature		Y	
	Dirty Condenser		Y	
	Door Ajar		Y	
Accessories	Casters		Y(4)	
	Leveling Feet		Y(2)	
	Porthole		Y, 1×left side, 1×right side, (25mm)diameter	
	Inner Doors		N/A	
	Drawers		Optional	
	Shelves		5-adjustable wire shelves	
	Shelf Dimensions (W×D)(mm)		708×676	
	Max. Load per Shelf (kg)		40kg	
	USB Interface		Y	
	RS485		Y	
	NFC		N/A	
	Temperature Recorder		Optional	
Others	Certificate		CE	UL, ENERGY STAR

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