Haier Biomedical
Intelligent Protection of Life Science

Combined Refrigerator and Freezer

- 530L Optimized Volume Configuration
- Independent Dual Zones, Precise Temperature Control
- Flexible Storage Structure
- Innovative Design, Visualized Storage



HYCD-530GT

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Jun, 2026

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Product Advantages

530L Optimized Volume Configuration

Refrigeration: 270L + Freezing: 260L. Meets dual-temperature co-storage needs to eliminate single-zone space waste.

Independent Dual Zones, Precision Temperature Control

Temp Uniformity: ±1.5°C (Refrigeration), ±3°C (Freezing). Eliminates cross-contamination between zones for medical specimens, pharmaceutical raw materials, and lab reagents.

Flexible Storage Structure

The freezer is equipped with7 drawers (max.4layers,including a large bottom drawer)+label strips in the refrigerator compartment,enabling more effcient zone-based traceability.

Innovative Design, Visualized Storage

Dual-compartment design. The refrigeration zone is fitted with a 3-layer inert gas-filled tempered glass door. Its frame features anti-fog heating to avoid fog and frost, ensuring clear visibility for easy sample access with a sleek, professional appearance.



User Friendly Design

Pressure Equalization Design

- A built-in pressure equalization module is fitted inside the freezer compartment to shorten the waiting time before re-opening the door.
- Internal-external pressure balancing time cut by 50%.



Intelligent Door Design

- Integrated intelligent door closer: Auto-shut below 90° to curb cold leakage and cut energy loss.
- Hold-open function above 90° for hands-free sample loading and unloading.

Automatic Door Opening

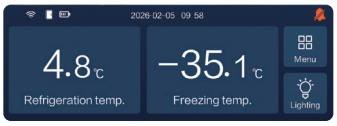


Hold-Open Door Hinge



6.67-inch Touch Screen

- Real-time displayofinternal humidity andtemperature for easy monitoring and management.



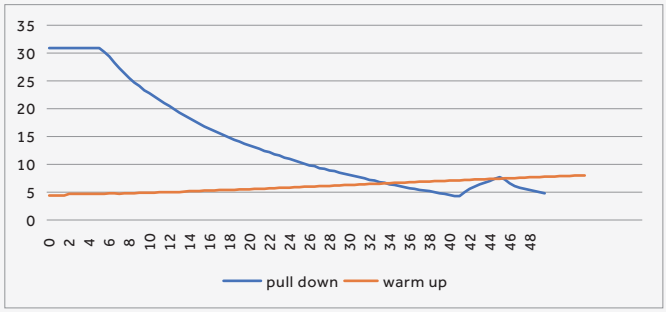
High-efficiency Defrosting for Freezers

- Single defrost cycle shortened by 70%. No manual ice scraping required to prevent frostbite.

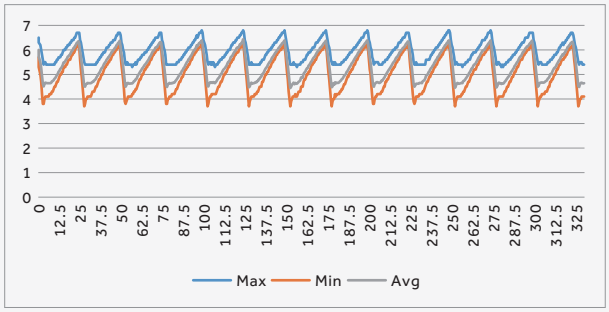
32°C Ambient Temperature Curve

Refrigerator

Pull - down & Warm- up Temperature Curve

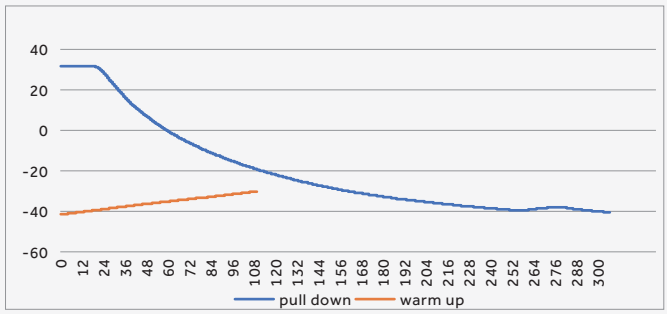


Temperature Stability Curve

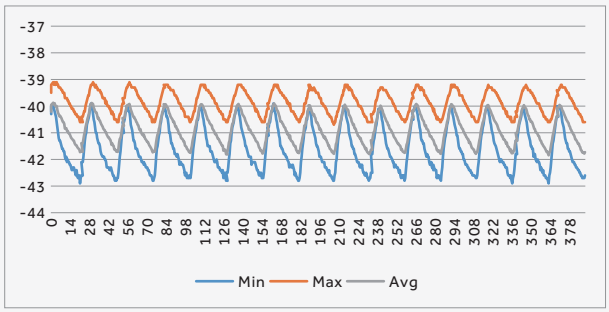


Freezer

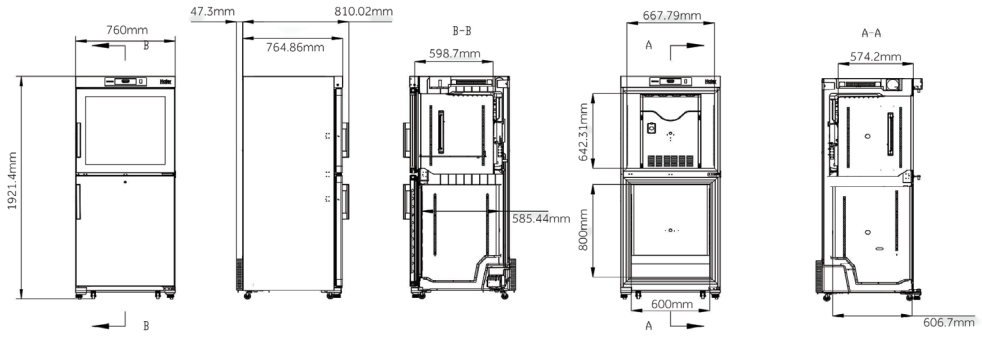
Pull - down & Warm- up Temperature Curve



Temperature Stability Curve



Product Dimension Drawings



Specifications

Model			HYCD-530GT
Technical Data	Cabinet Type		Upright
	Climate Class		N (16~32°C)
	Cooling Type		Refrigerator: Forced air cooling / Freezer: Direct cooling
	Defrost Mode		Refrigerator: Auto / Freezer: Manual
	Refrigerant		Refrigerator: R600a / Freezer: R290
	GWP (Global Warming Potential)		R600a:20 / R290:3
	Sound Level (dB(A))		36
Performance	Temperature Range (°C)		Refrigerator: 2~8 / Freezer: -10~ -40
Control	Controller		Microprocessor
	Display		6.67 Inch Touch Screen
Electrical Data	Power Supply (V/Hz)		220~240/50/60
	Power (W)		600
	Electrical Current (A)		2.5
Dimensions	Capacity (L/Cu.Ft)		Refrigerator: 270/9.54 / Freezer: 260/9.18
	Net/Gross Weight (approx)	kg	165/200
		lbs	363.76/440.92
	Interior Dimensions (W*D*H)	mm	Refrigerator: 668*582*695 / Freezer: 600*658*827
		in	Refrigerator: 26.30*22.91*27.36 / Freezer:23.62*25.91*32.56
	Exterior Dimensions (W*D*H)	mm	760*810*1925
		in	29.92*31.89*75.79
	Packing Dimensions (W*D*H)	mm	970*1060*2100
		in	38.19*41.73*82.68
Alarms	High/Low Temperature		Y
	Sensor Error		Y
	Power Failure		Y
	Door Ajar		Y
	Remote Alarm		Y
	High Ambient Temperature		Y
	Low Battery		Y
Accessories	Caster		Y
	Foot		Y
	Porthole		Y
	Shelves/Drawers		Refrigerated compartment: 3 shelves/0 drawers Freezer compartment: 4 shelves/7 drawers
	Printer		Optional (It needs to be installed before leaving the factory)
	RS485		Y
	USB Interface		Y
Others	Certification		CE

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