

Combined Refrigerator and Freezer Unit



HYCD-469A

Scope of Application

This product is designed to store biomaterials, vaccines, electronic devices and low temperature tests of special materials, in hospitals, epidemic prevention stations, universities, scientific research institutes, electronic chemical industry and other enterprise laboratories.

Innovative Design

- Intelligent Microprocessor with Digital Display
- Audible and Visual Alert with Remote Alarm Contact
- Natural Hydrocarbon Refrigerant
- Self-closing Door with Magnetic Gasket
- Stainless Steel Interior
- Padlock to Secure Safe Storage

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Haier Biomedical
Intelligent Protection of Life Science



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Product Advantages



Multipurpose and Space Efficient

- One cabinet with two independent chambers, both are self-contained and independently controlled with individual doors
- Refrigerator chamber is equipped with a double-paned glass viewing window and LED interior lighting



Microprocessor Controller with Digital Display

- Refrigerator temperature 2~8°C with resolution of 0.1°C
- Freezer temperature -40~-10°C with resolution of 1°C
- Multiple alarm functions with remote alarm contact to ensure safe monitoring



Environment Friendly

Hydrocarbon refrigerant (R600a for refrigerator / R290 for freezer) and CFC-free polyurethane insulation for reduced global warming potential



High Performance

- Refrigerator: Forced-air cooling system with cycle defrost, temperature uniformity $\pm 3^{\circ}\text{C}$
- Freezer: Cold wall cooling system, manual defrost, temperature uniformity $\pm 5^{\circ}\text{C}$
- Standard USB port & optional printer, easy to get temperature record



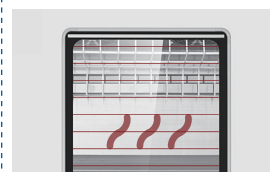
Stainless Steel Interior

The interior of refrigerator and freezer are both made of stainless steel, which is easy to clean and corrosion-proof

Ergonomic Design



Equipped with padlocks in both refrigerator and freezer to ensure storage safety



Equipped with electrically heated glass to prevent condensation effectively



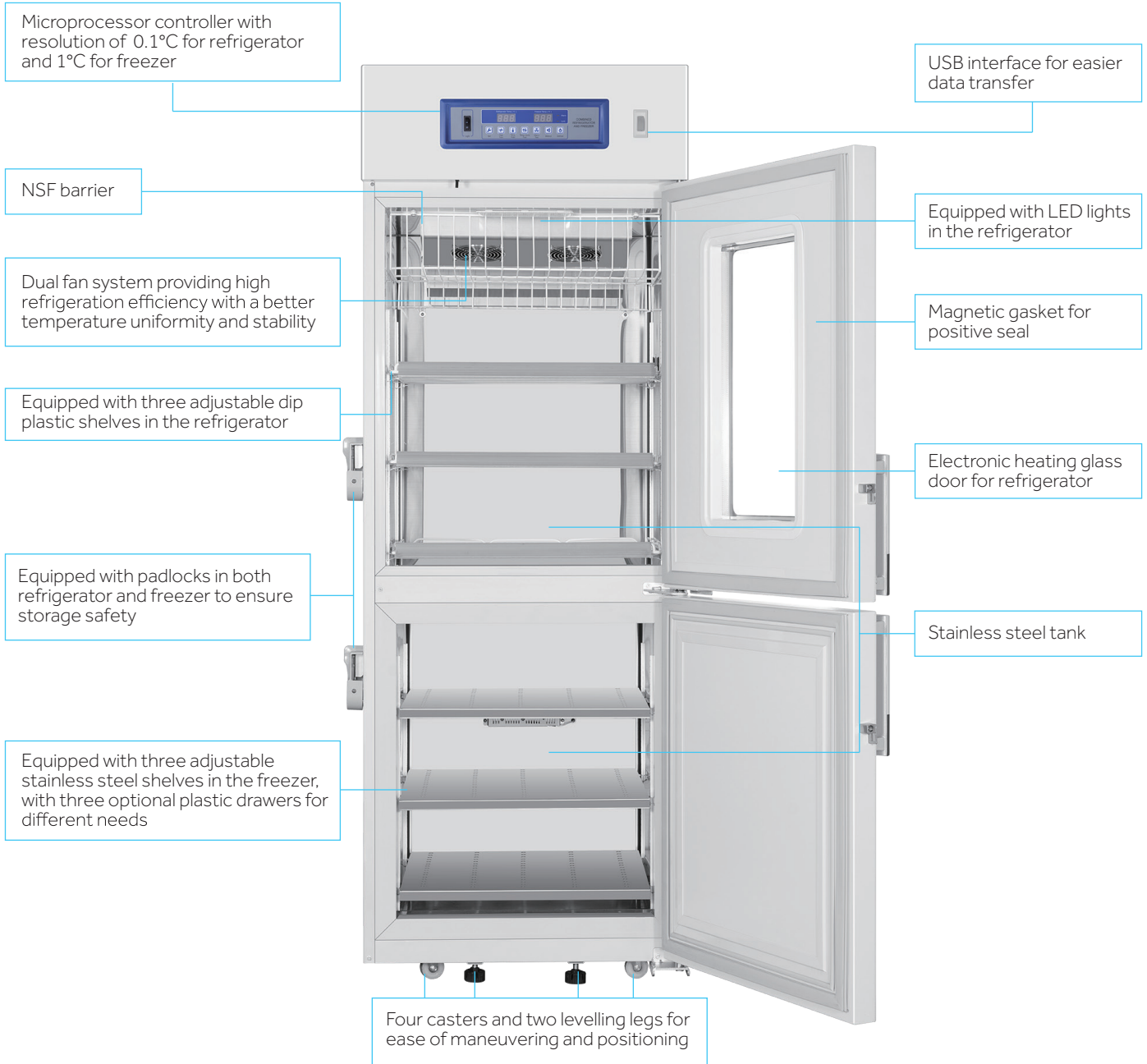
Two test holes for both refrigerator and freezer as standard, allow independent testing of cabinet temperature



Refrigerator and freezer are equipped with self-closing hinges to avoid door ajar (less than 90° self-closing)

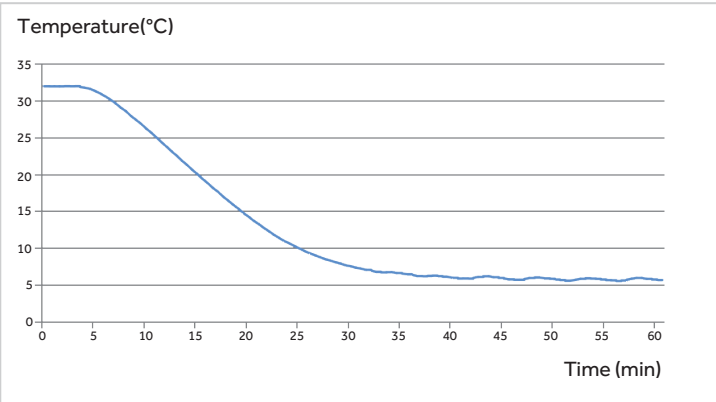
Combined Refrigerator and Freezer Unit

Product Parts

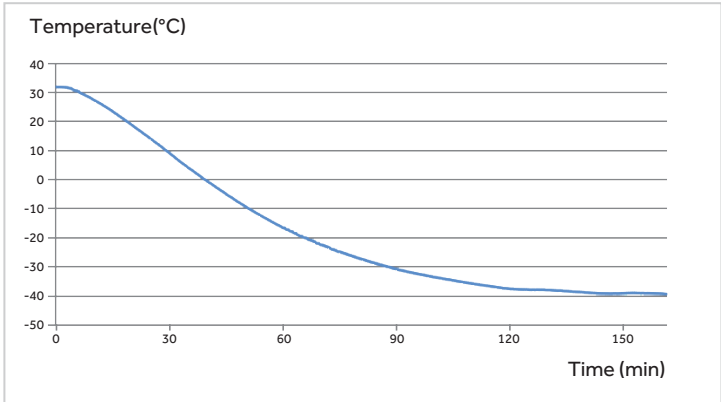


32°C Ambient Temperature Curve

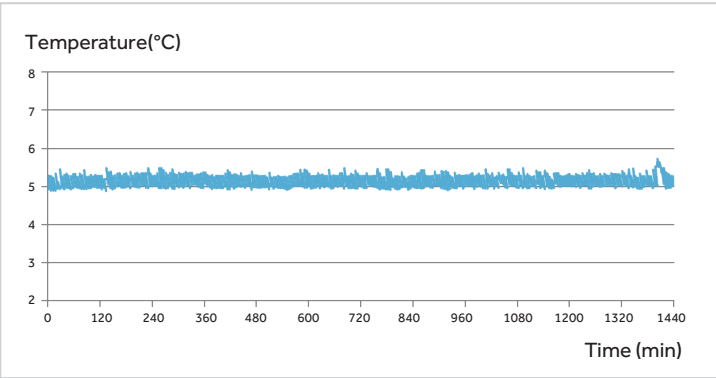
Refrigerator Cool Down Curve



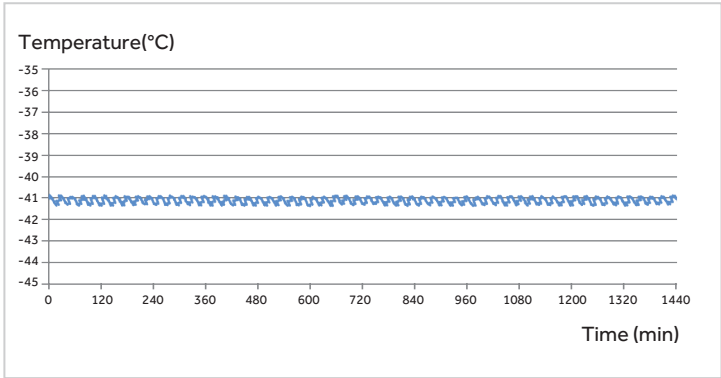
Freezer Cool Down Curve



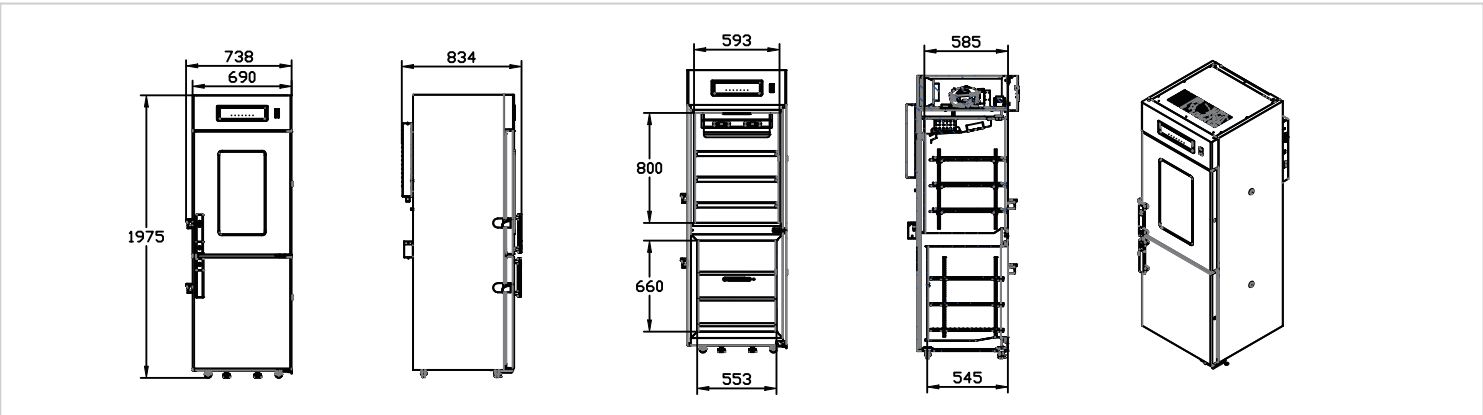
Refrigerator Stability Curve



Freezer Stability Curve



Dimensions



Combined Refrigerator and Freezer Unit

Specifications



Model		HYCD-469A	
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 65g/ Freezer: R290 70g	
	Sound Level (dB(A))	52	
Performance	Temperature Range (°C)	Refrigerator: 2-8 / Freezer: -10--40	
Control	Controller	Microprocessor	
	Display	LED	
Electrical Data	Power Supply (V/Hz)	115/60	
	Electrical Current (A)	7	
Dimensions	Capacity (L/Cu.Ft)	Refrigerator: 245/8.65; Freezer: 200/7.1	
	Net/Gross Weight (approx)	kg	176/207
		lbs	388.0/456.4
	Interior Dimensions (W*D*H)	mm	Refrigerator: 593*585*800 Freezer: 553*545*660
		in	Refrigerator: 23.3*23.0*31.5 Freezer: 21.8*21.5*26.0
	Exterior Dimensions (W*D*H)	mm	738*834*1975
		in	29.1*32.8*77.8
	Packing Dimensions (W*D*H)	mm	800*875*2100
		in	31.5*34.4*82.7
Container Load (20'/40'/40'H)	14/28/28		
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	Refrigerator: 3/0 Freezer: 3/0 (Max 3 Drawers optional, without sliding rack)	
	Stylus printer/RS485	Optional (printer or RS 485, either-or)	
	USB Interface	Y	
Others	Certification	UL, NSF	

Product appearance and specifications are subject to change without notice

Product Lineup



Pharmacy Refrigerator



HYC-68A
Solid door option



HYC-118A
Solid door option



HYC-290
Roll out drawer option



HYC-390
Roll out drawer option



HYC-390F



HYC-610



HYC-639



HYC-940



HYC-1378

Combo



HYCD-319A



HYCD-469A

Lab Refrigerator



HLR-310FL

Chromatography Refrigerator



HYC-940C