

# 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

**Haier Biomedical USA**

Website: [www.haiermedical-usa.com](http://www.haiermedical-usa.com)

**Haier Biomedical**  
Intelligent Protection of Life Science



Haier Biomedical  
USA



Haier Biomedical  
International



@haiermedicalint



Haier Biomedical  
International



Haier Biomedical  
International

## 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



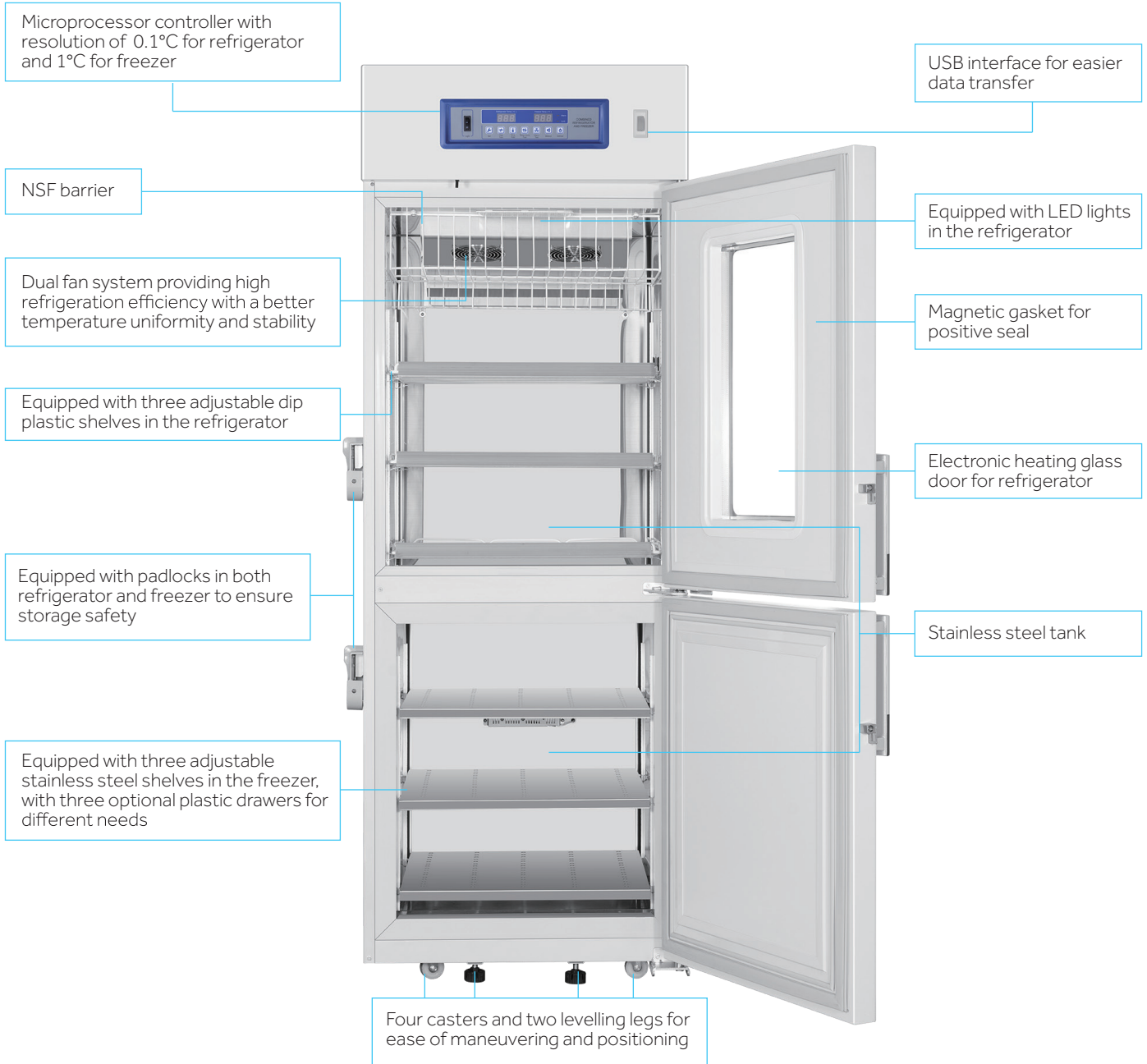
Two test holes for both refrigerator and freezer as standard, allow independent testing of cabinet temperature



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

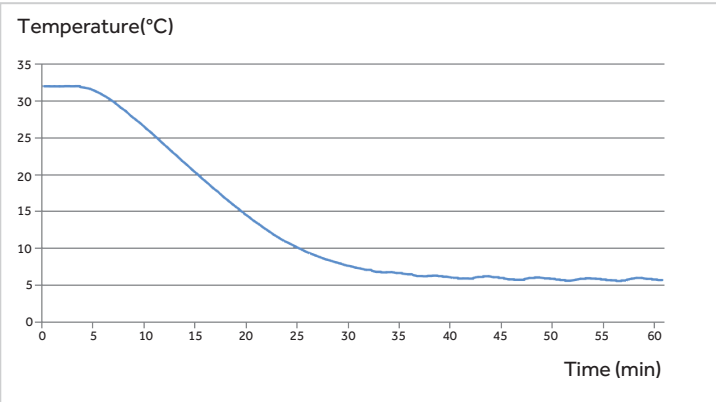
# Combined Refrigerator and Freezer Unit

## Product Parts

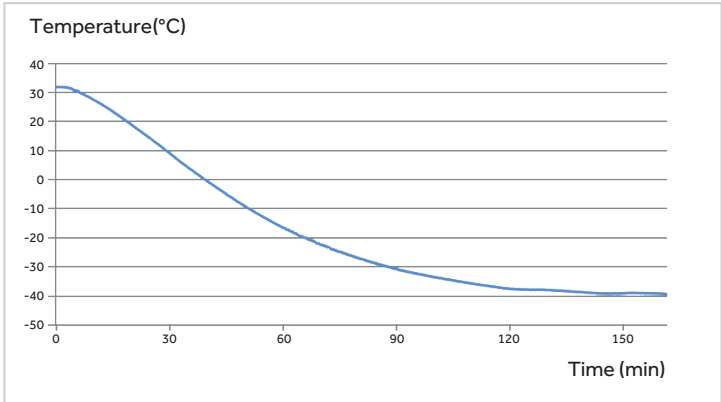


## 32°C Ambient Temperature Curve

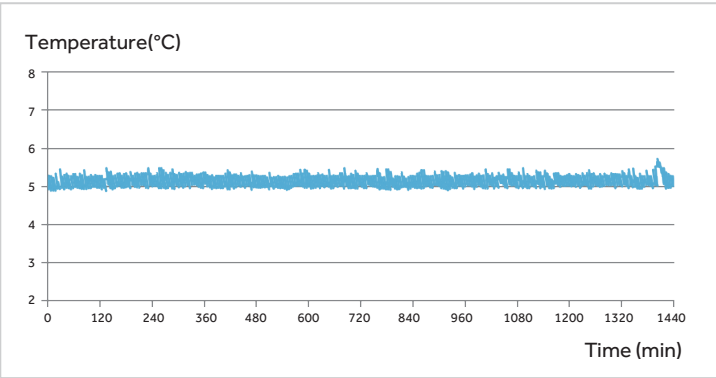
Refrigerator Cool Down Curve



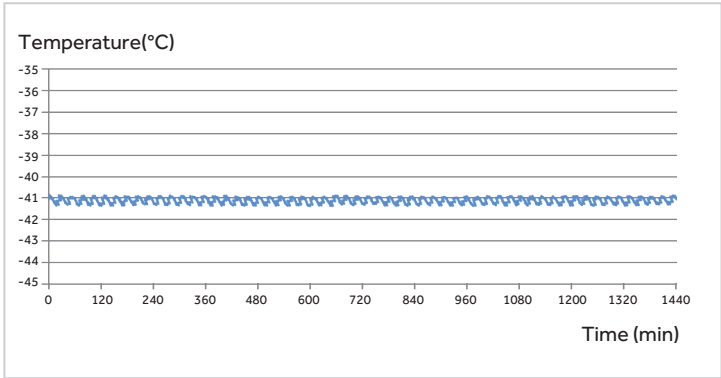
Freezer Cool Down Curve



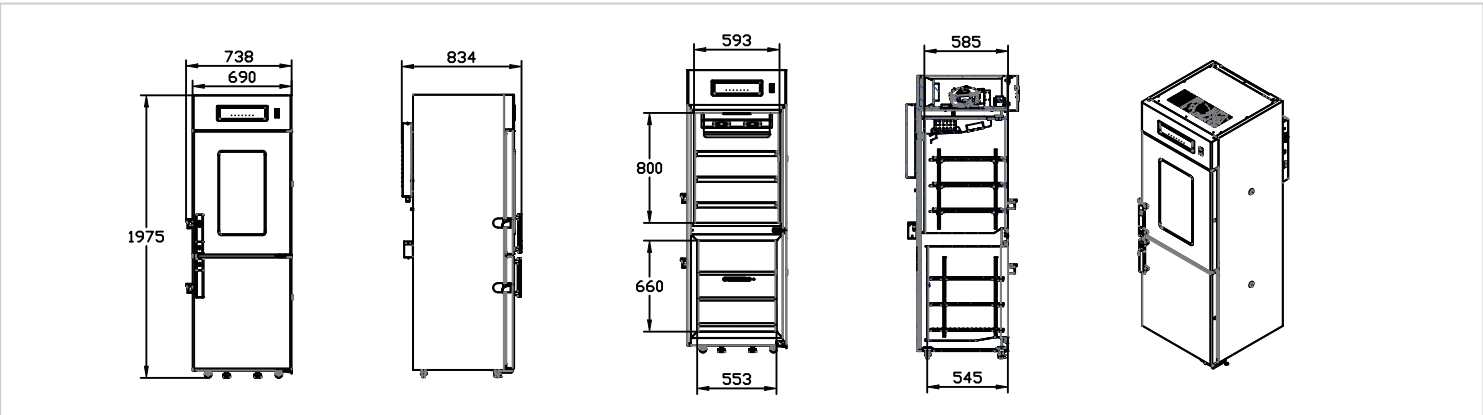
Refrigerator Stability Curve



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