



HYCD-469A

Combined Refrigerator and Freezer Unit

Scope of Application

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

Innovative Design

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

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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



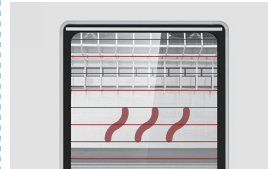
Stainless Steel Interior

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



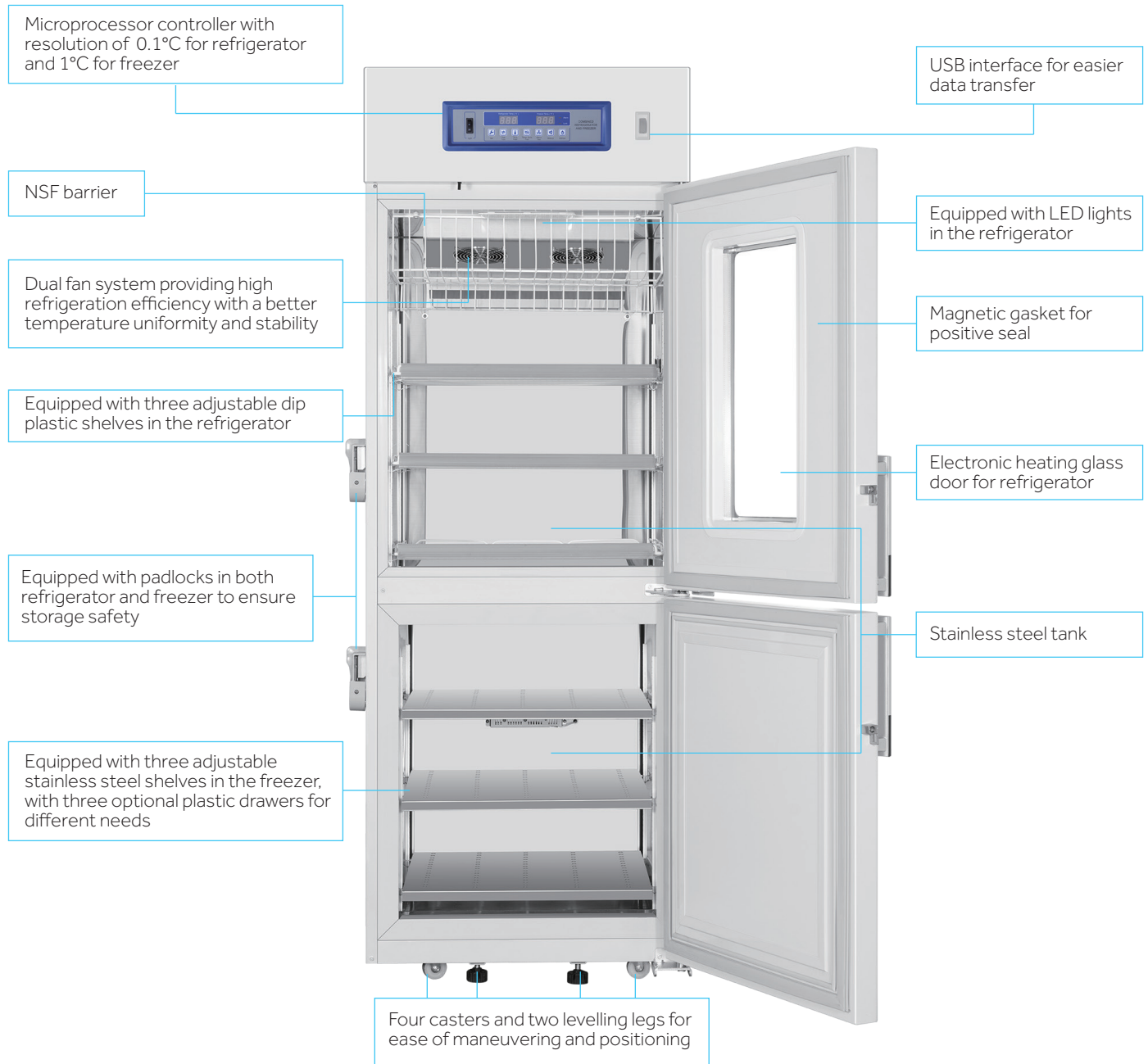
Two test holes for both refrigerator and freezer as standard, allow independent testing of cabinet temperature



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

Combined Refrigerator and Freezer Unit

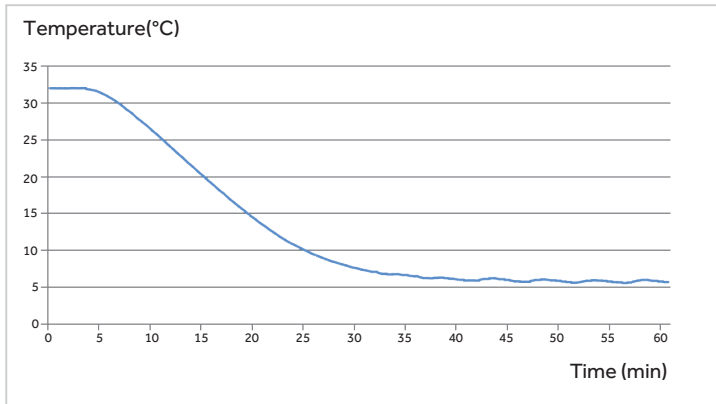
Product Parts



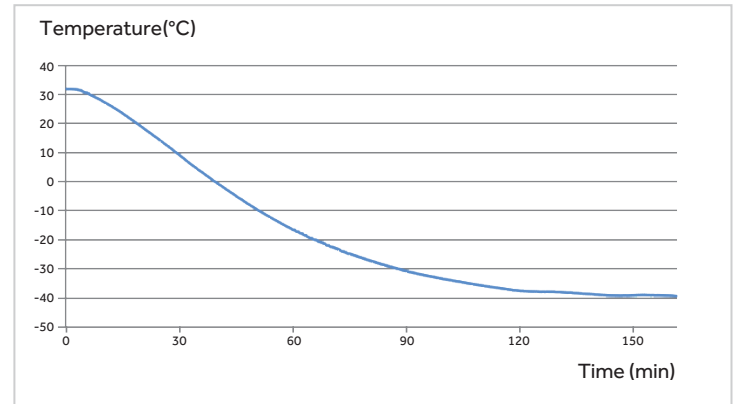
32°C Ambient Temperature Curve



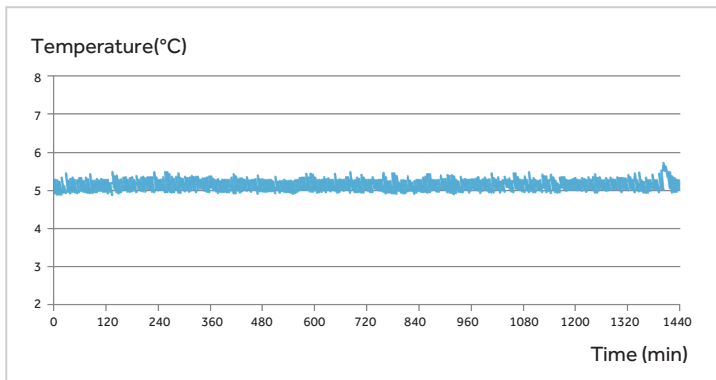
Refrigerator Cool Down Curve



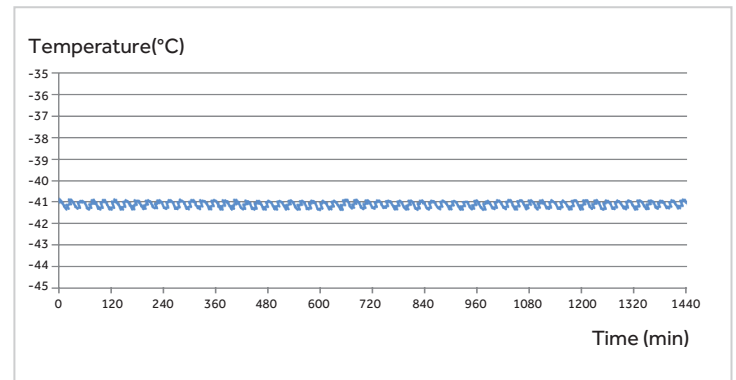
Freezer Cool Down Curve



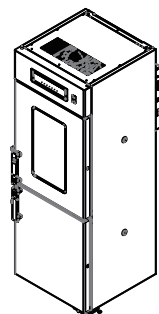
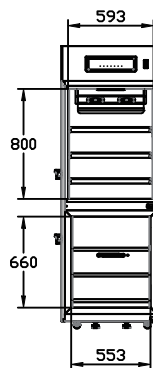
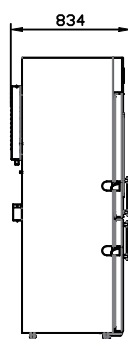
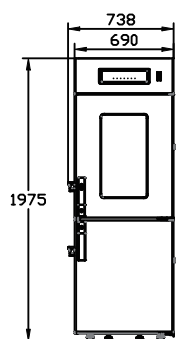
Refrigerator Stability Curve



Freezer Stability Curve



Dimensions



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
Alarms	Container Load (20'/40'/40'H)		14/28/28
	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