



HYCD-319A

Combined Refrigerator and Freezer

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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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



Environment Friendly

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



Stainless Steel Interior

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



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



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

Ergonomic Design



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



Equipped with electrically heated glass to prevent condensation effectively

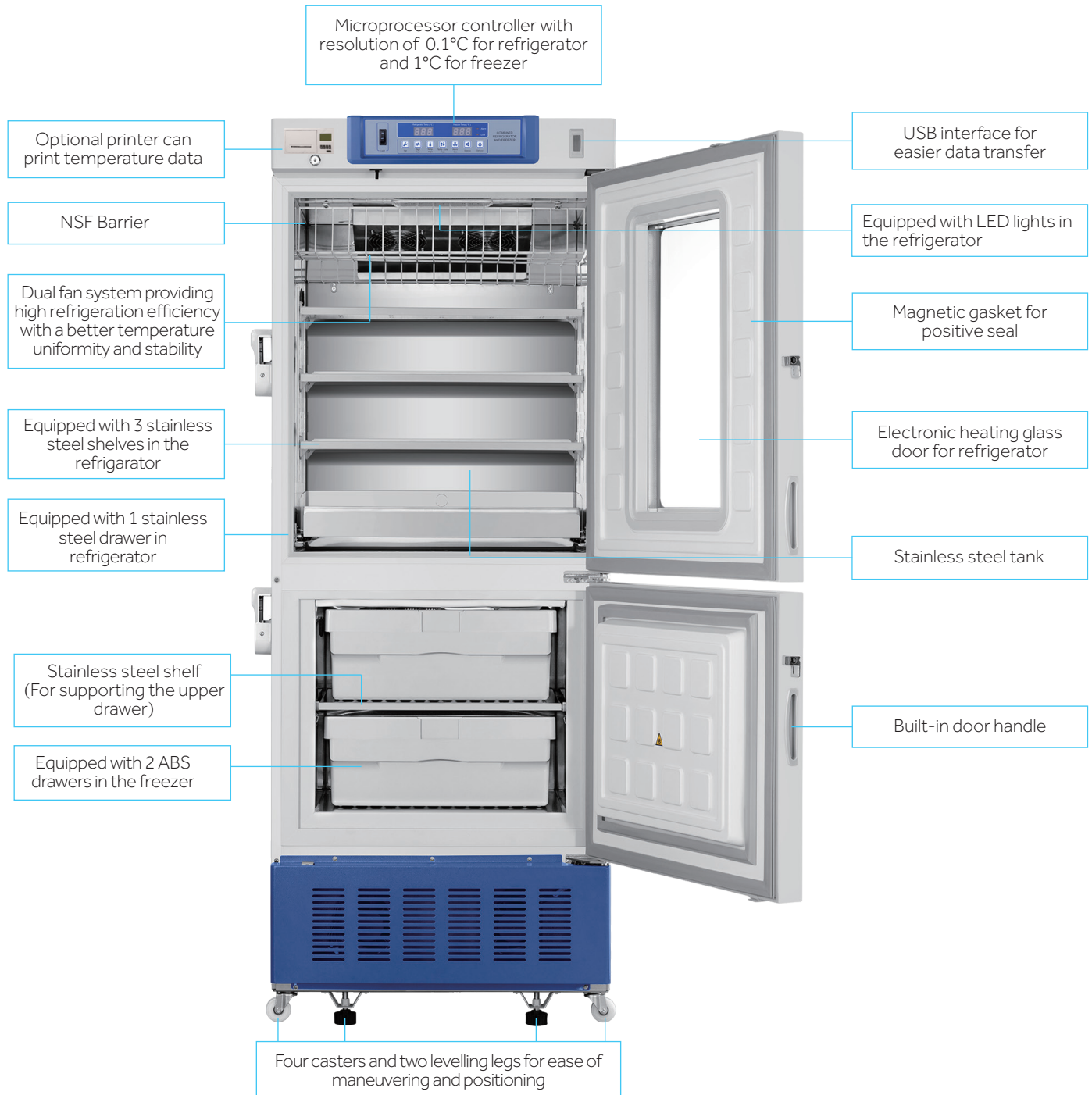


Two test holes for both refrigerator and freezer as standard, allow independent testing of cabinet temperature



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

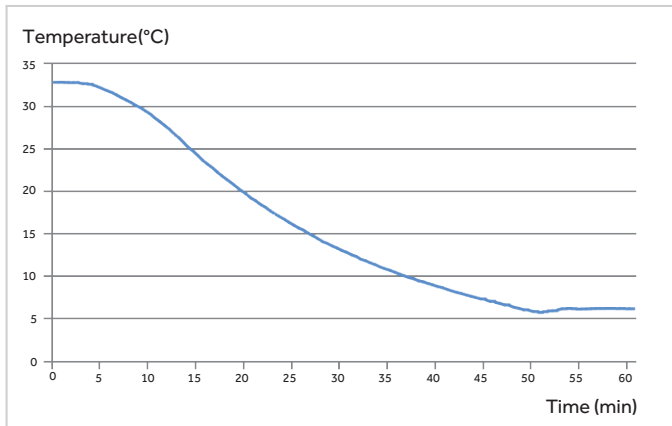
Product Parts



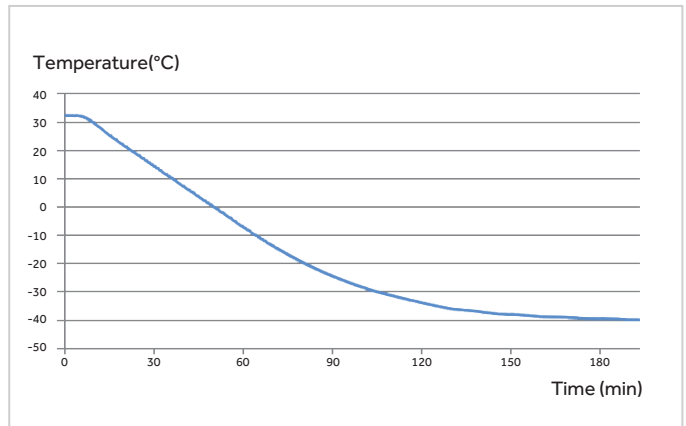
Product Performance



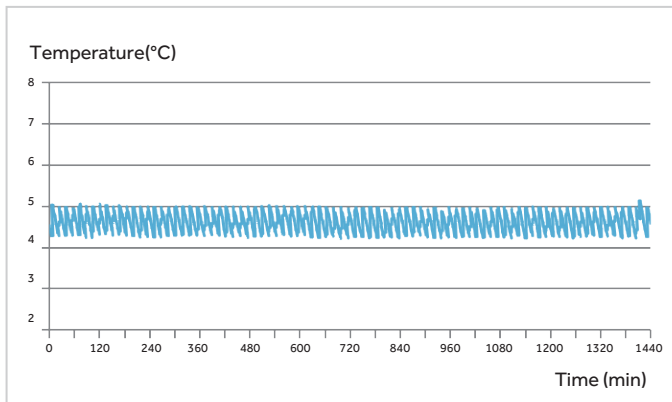
Refrigerator Cool Down Curve



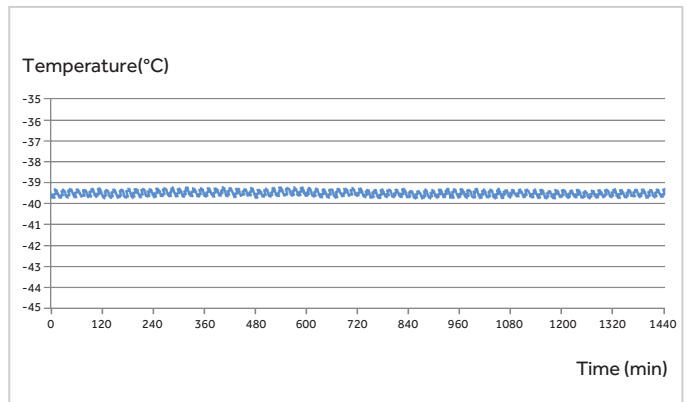
Freezer Cool Down Curve



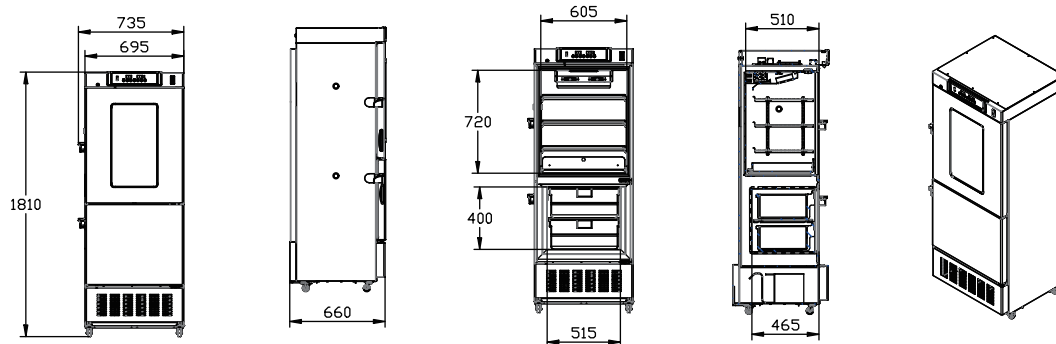
Refrigerator Stability Curve



Freezer Stability Curve



Dimensions



Specifications



Model			HYCD-319A
Technical Data	Cabinet Type		Upright
	Climate Class		N
	Cooling Type		Refrigerator: Forced air cooling Freezer: Direct cooling
	Defrost Mode		Refrigerator: Auto/ Freezer: Manual
	Refrigerant		Refrigerator: R600a 45g/ Freezer: R290 60g
	Sound Level (dB(A))		50
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)		6
Dimensions	Capacity (L/Cu.Ft)		Refrigerator: 200/7.06; Freezer: 100/3.53
	Net/Gross Weight (approx)	kg	145/160
		lbs	319.7/352.7
	Interior Dimensions (W*D*H)	mm	Refrigerator: 605*510*720 Freezer: 515*465*440
		in	Refrigerator: 23.8*20*28.3 Freezer: 20.2*18.3*17.3
	Exterior Dimensions (W*D*H)	mm	735*660*1810
		in	28.9*26.0*71.3
	Packing Dimensions (W*D*H)	mm	775*720*1930
		in	30.5*28.3*76
Container Load (20'/40'/40'H)		21/43/43	
Alarms	High/Low Temperature		Y
	Sensor Error		Y
	Power Failure		Y
	Door Ajar		Y
	High Ambient Temp		Y
	Low Battery		Y
	Remote Alarm		Y
Accessories	Caster		Y/4
	Foot		Y/2
	Porthole		Y/2
	Shelves/Drawers		Refrigerator: 3/1; Freezer: 1 (For supporting the upper drawer) /2 (without sliding rack)
	Stylus printer/RS485		Optional (printer or RS 485, either-or)
	USB Interface		Optional
Others	Certification		UL, NSF

Product appearance and specifications are subject to change without notice