



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
- ◎ 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



### 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

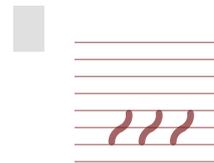


### High Performance

- 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

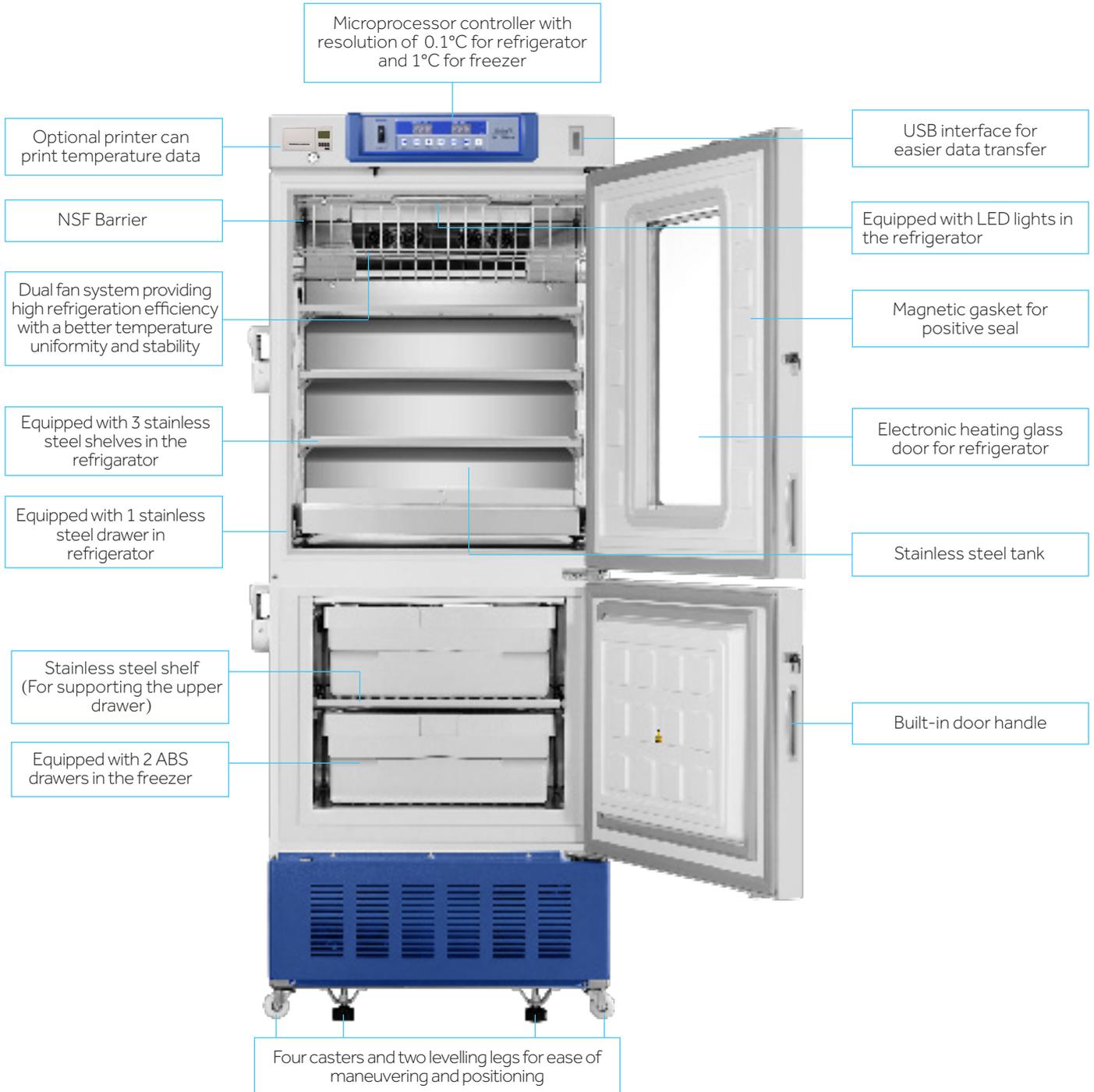


Equipped with electrically heated glass to prevent condensation effectively

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)

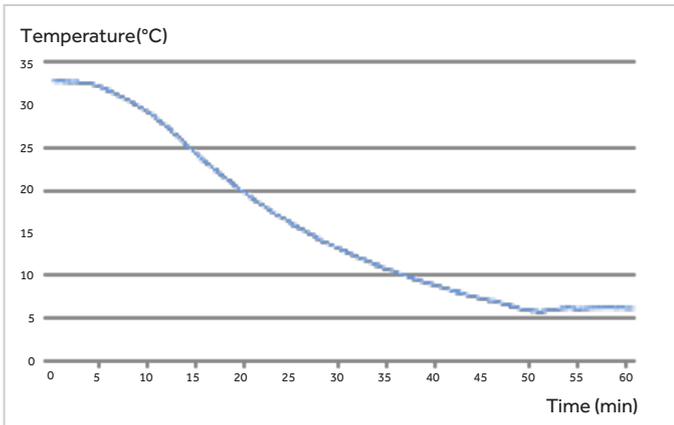
## Product Parts



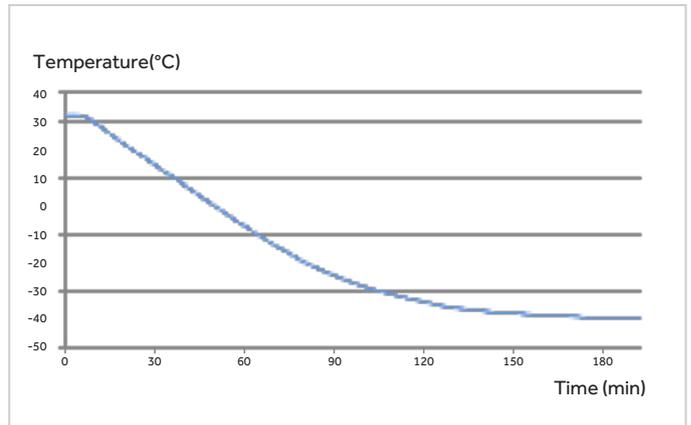
## Product Performance



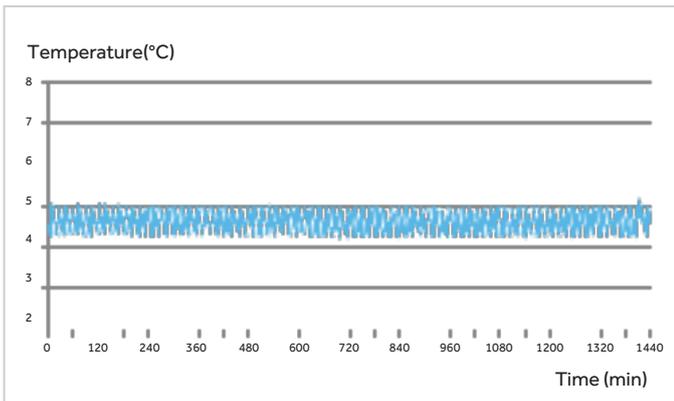
Refrigerator Cool Down Curve



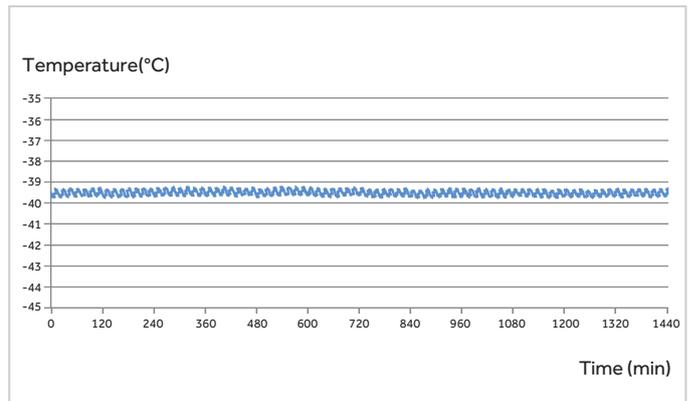
Freezer Cool Down Curve



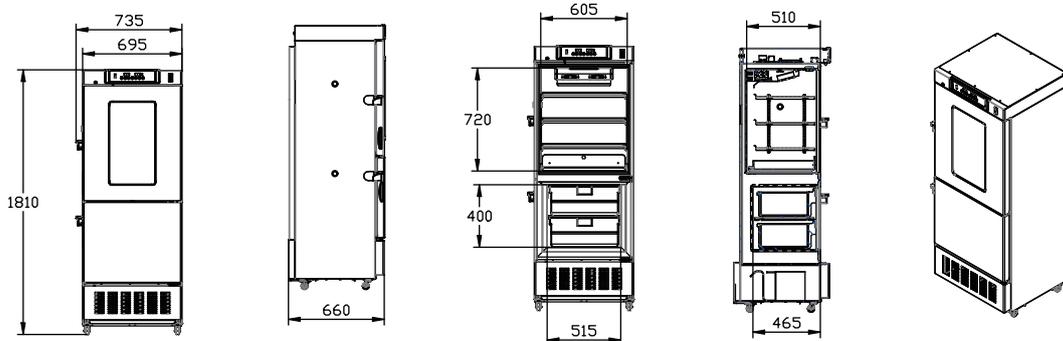
Refrigerator Stability Curve



Freezer Stability Curve



## Dimensions





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