Haier Biomedical
Intelligent Protection of Life Science
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Combined Refrigerator and Freezer

HYCD-319A

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 warning 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±3°C
- Freezer: Cold wall cooling system, manual defrost, temperature uniformity±5°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
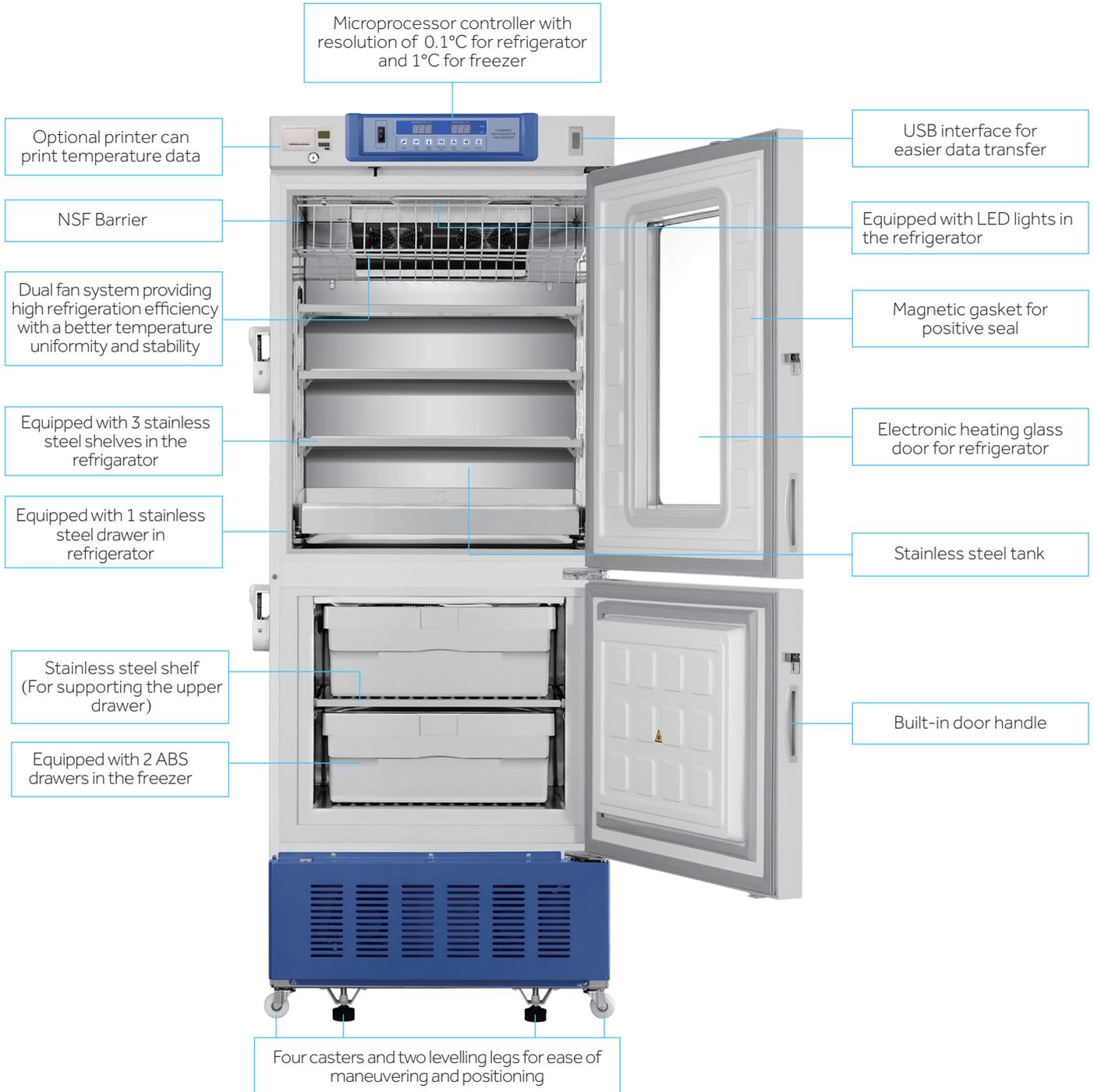
Two test holes for both refrigerator and freezer as standard, allow independent testing of cabinet temperature

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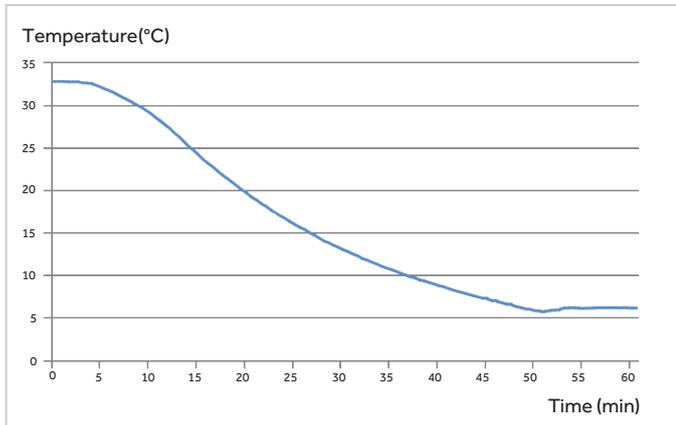
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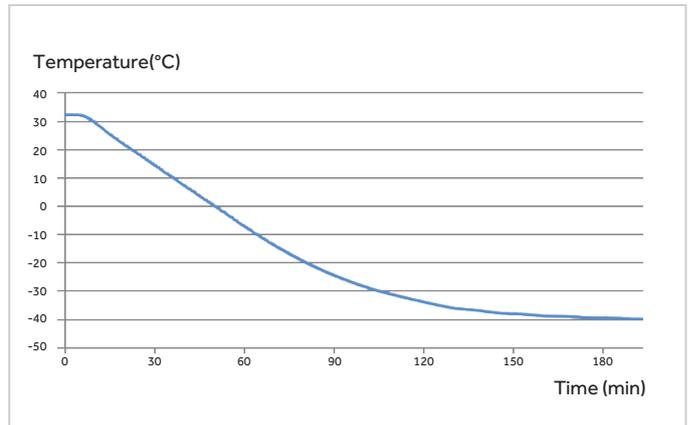
Product Parts

Microprocessor controller with resolution of 0.1°C for refrigerator and 1°C for freezer

Optional printer can print temperature data

NSF Barrier

Dual fan system providing high refrigeration efficiency with a better temperature uniformity and stability

Equipped with 3 stainless steel shelves in the refrigarator

Equipped with 1 stainless steel drawer in refrigerator

Stainless steel shelf (For supporting the upper drawer)

Equipped with 2 ABS drawers in the freezer

USB interface for easier data transfer

Equipped with LED lights in the refrigerator

Magnetic gasket for positive seal

Electronic heating glass door for refrigerator

Stainless steel tank

Built-in door handle

Four casters and two levelling legs for ease of maneuvering and positioning

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Product Performance

Refrigerator Cool Down Curve

Temperature(°C)

Time (min)

Freezer Cool Down Curve

Temperature(°C)

Time (min)

Refrigerator Stability Curve

Temperature(°C)

Time (min)
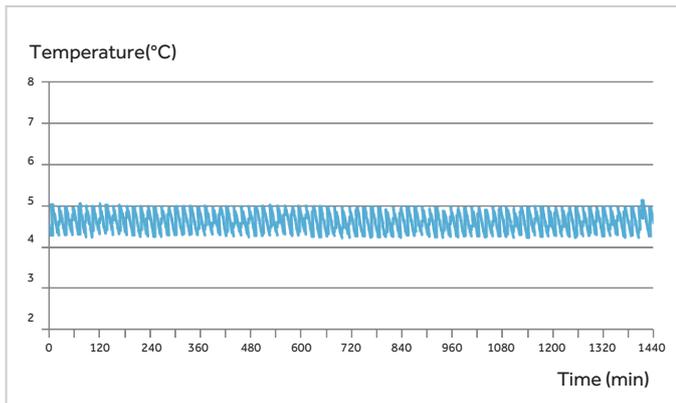
Freezer Stability Curve

Temperature(°C)

Time (min)

Dimensions

735
695
1810
660
605
720
400
515
510
465
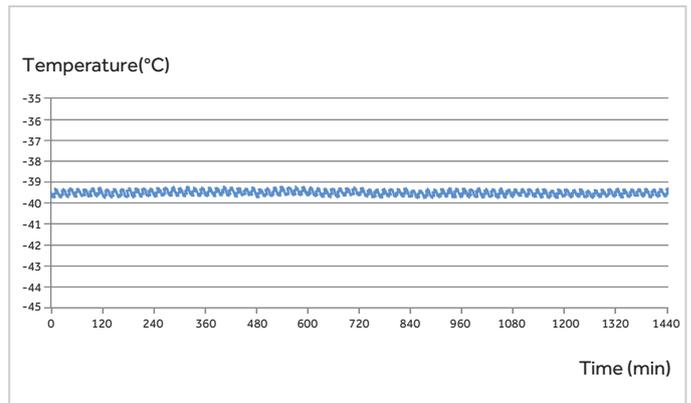
Specifications
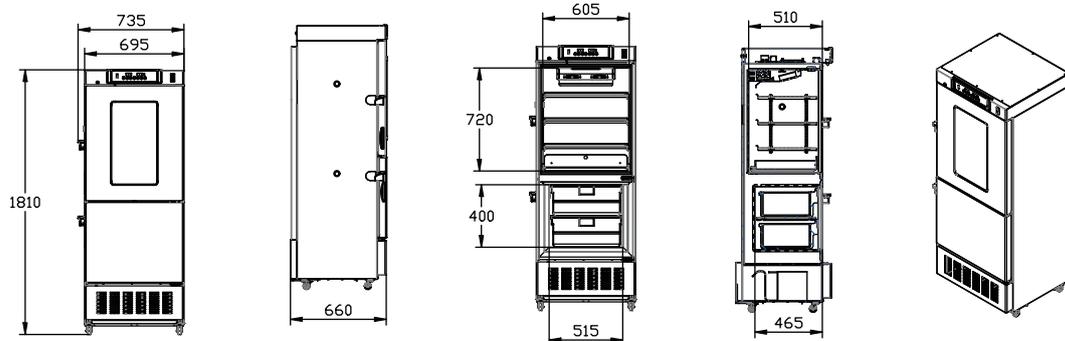
Model			HYCD-319A
Technical Data	Cabinet Type		Upright
	Climate Class		N
	Cooling Type		Refrigerator: Forced air cooling Freezer: Direct cooling
	Defrost Mode		Refrigerator: Auto/ Freezer: Manual
	Refrigerant		Refrigerator: R600a 45g/ Freezer: R290 60g
	Sound Level (dB(A))		50
Performance	Temperature 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

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