

Haier Biomedical
Intelligent Protection of Life Science



HLRF-319SF



Low Energy Consumption:
1.5 kWh/24h



Stainless Steel Interior



ATEX Certified

Qingdao Haier Biomedical Co.,Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266109, P.R. China
E-mail: inquiry@haierbiomedical.com
Website: www.haiermedical.com



Combined Refrigerator and Freezer with Spark-free Interior

Scope of Application

Used for storage of volatile, unstable, low boiling point (flammable and explosive) compounds/dangerous other items that require a low temperature in pharmaceutical factories and laboratories etc.

Innovative Design

- Multipurpose and Space Efficient
- Microprocessor Controller with Digital Display
- Hydrocarbon Refrigerant and CFC-free Polyurethane Insulation



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Product Advantages



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 $\pm 5^{\circ}\text{C}$
- Optional USB interface, RS485 & printer, easy to get temperature record



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



Microprocessor Controller with Digital Display

- Refrigerator temperature $2\sim 8^{\circ}\text{C}$ with resolution of 0.1°C
- Freezer temperature $-30\sim -10^{\circ}\text{C}$ with resolution of 1°C
- Multiple alarm functions with remote alarm contact to ensure safe monitoring



Stainless Steel Interior

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



Low Energy Consumption: 1.5 kWh/24h



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Product Parts

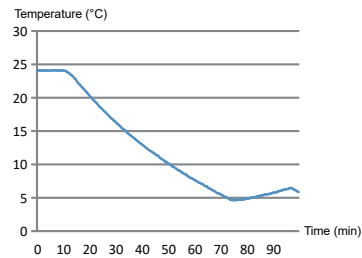


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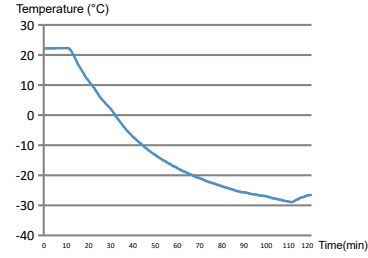
Temperature Curve

25°C Ambient Temperature Curve

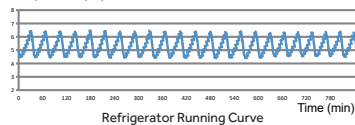
Refrigerator Cool Down Curve



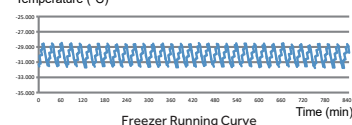
Freezer Cool Down Curve



Refrigerator Running Curve



Freezer Running Curve



Specifications

Model			HLRF-319SF
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/Freezer: R290
Performance	Sound Level (dB(A))		43
	Temperature Range (°C)		Refrigerator: 2~8/Freezer: -10~-30
Control	Controller		Microprocessor
	Display		LED
Electrical Data	Power Supply (V/Hz)		220-240-/50
	Power (W)		230
	Electrical Current (A)		1.5
	Power Consumption (kWh/day)		1.5
Dimensions	Capacity (L/Cu.Ft)		Refrigerator: 219/7.7; Freezer: 100/3.5
	Net/Gross Weight (approx)	kg	130/140
		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
Alarms	Container Load (20'/40'/40'H)		21/43/43
	High/Low Temperature		Y
	Sensor Error		Y
	Power Failure		Y
	Door Ajar		Y
	Low Battery		Y
Accessories	Remote Alarm		Y
	Caster		Y/4
	Foot		Y/2
	Porthole		N
	Shelves		Refrigerator: 3; Freezer: 2
	Stylus Printer		Optional (printer or RS485, either-or)
	RS485		Optional (printer or RS485, either-or)
Other	USB Interface		Optional
	Certification		CE, ATEX

*Haier Biomedical reserves the right to change products and specifications without prior notice.

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