



**HRLF-319SF**



Low Energy Consumption:  
1.5 kWh/24h



Stainless Steel Interior



ATEX Certified

# 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  $2\text{--}8^{\circ}\text{C}$  with resolution of  $0.1^{\circ}\text{C}$
- Freezer temperature  $-30\text{--}-10^{\circ}\text{C}$  with resolution of  $1^{\circ}\text{C}$
- 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**



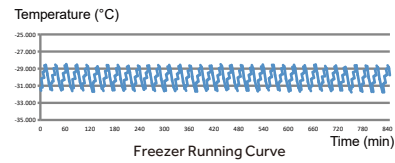
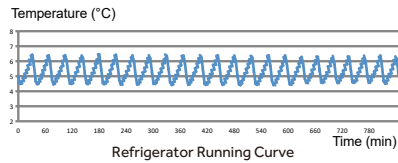
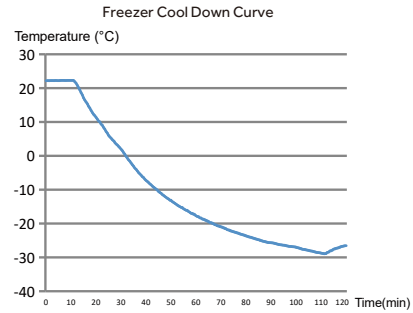
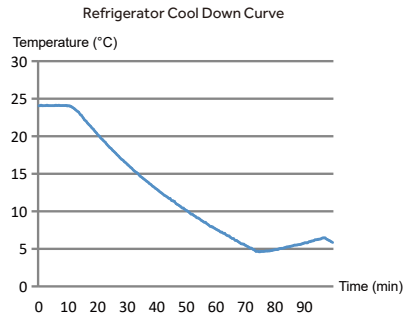
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**Product Parts**



**Temperature Curve**

**25°C Ambient Temperature 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	
Container Load (20'/40'/40'H)	21/43/43		
Alarms	High/Low Temperature	Y	
	Sensor Error	Y	
	Power Failure	Y	
	Door Ajar	Y	
	Low Battery	Y	
	Remote Alarm	Y	
Accessories	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.