



Laboratory Refrigerator

Typical Installation

Used to store chemicals, reagents and consumables within laboratories and research facilities.

Product Advantages

Precise Control of Temperature

Adjustable set temperature range is 3°C to 16°C. A smart temperature control system keeps the internal temperature variation within $\pm 3^\circ\text{C}$ inside the chamber.

High Efficiency HC Cooling Technology

The hydrocarbon refrigeration system operates at a much higher efficiency and reduces the energy consumption by about 50 percent.

Ergonomic Design

One-touch search for historic data

The highest and lowest historic temperature data is saved and can be checked with one key stroke.

Low Noise

Noise cancelling technology reduces the sound level to less than 40 dB(A) for an improved working environment.

Automatic Door Closing Function



Cabinet Structure



Glass Shelve



Fan/Interior Light



Display Board

High Strength Glass Shelves

Tempered glass shelves hold 20 kg of products per shelf.

Dual lock design with multiple alarm systems

A mortise lock is standard on the door with option to add a padlock for additional security. Standard alarms include high and low temperature, door opening, and sensor errors.



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Specifications

Model		HLR-198F	HLR-310F	
Technical Data	Type	Upright	Upright	
	Climate Class	N	N	
	Cooling Type	Forced Air Cooling	Forced Air Cooling	
	Defrost Mode	Auto	Auto	
	Refrigerant	R600a	R600a	
Performance	Sound Level (dB(A))	37	40	
	Temperature Range (°C)	3-16 Adjustable	3-16 Adjustable	
Control	Ambient Temperature (°C)	16-32	16-32	
	Controller	Microprocessor	Microprocessor	
Electrical Data	Display	LED	LED	
	Power Supply (V/Hz)	220-240/50	220-240/50	
	Power (W)	135	225	
Dimensions	Electrical Current (A)	1	1.6	
	Capacity (L/Cu.Ft)	198/7.0	310/10.9	
	Net/Gross Weight (approx)	kg	57/66	72/83
		lbs	97/108	158.7/183
	Interior Dimensions (W*D*H)	mm	455*445*900	560*500*1290
		in	18.0*17.5*35.5	22.0*19.7*50.8
	Exterior Dimensions (W*D*H)	mm	530*570*1530	605*598*1840
in		20.9*22.5*60.3	23.8*23.6*73.6	
Packing Dimensions (W*D*H)	mm	595*640*1660	660*670*1920	
	in	23.4*25.2*65.4	26.0*26.4*75.6	
Alarms	Container Load (20'/40'/40'H)	48/102/102	27/57/57	
	High/Low Temperature	Y	Y	
	Sensor Error	Y	Y	
	Door Ajar	Y	Y	
Accessories	Caster	4	4	
	Foot	2	2	
	Porthole	Y	Y	
	Shelves	4	4	
Temperature Setting Mode		Password Protection	Password Protection	
Temperature Sensor		1 Resistance Thermometer	1 Resistance Thermometer	
Power Consumption (kWh/24h)		0.95	1.05	
Certification		CE	CE	

Product appearance and specifications are subject to change without notice