

Haier



Haier Laboratory Spark Free Refrigerator

Take protective measures to prevent flaming or fire.
Intelligently ensure safety.

All around explosion proof with **ATEX II C-T6** E.U. Certification.



* Provide ultimate protection for your laboratory materials.



HLR-310FL/118FL



ATEX Explosion Proof Certification:

China's first ATEX II C-T6 Explosion Proof certified laboratory refrigerator. The verification acknowledged by authoritative organization makes Haier's product more reliable.

- **All Around Explosion Proof:**
The product equips with overcurrent and overvoltage protection system. It also equips with explosion proof fan for precise safety and protection.
- **Multiple Alarms:**
Include high and low temperature alarms, door open alarm, etc. The refrigerator can be remotely monitored and will alert users rapidly.
- **Precise Temperature Control:**
Internal temperature variation is within 3°C. The professional temperature control ensures stable refrigerator temperature at all time.



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Haier Biomedical
Intelligent Protection of Life Science

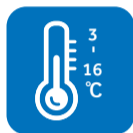
Main Uses ➤ To store chemical or experiment reagents which are easily flammable, explosive, evaporative, corrosive, etc. It is suitable for institutional laboratories, research facilities, etc.

Product Advantages



All around explosion proof with ATEX II C-T6 E.U. Explosion Proof Certification.

Use antistatic liner, gasket and explosion proof fan motor. Equip with overcurrent and overvoltage protection system to provide explosion proof. China's first ATEX II C-T6 Explosion Proof certified laboratory refrigerator ensures profession and acknowledgement.



3-16°C wide temperature range with precise control to prevent freezing.

3-16°C wide range temperature adjustment. Intelligent temperature control system keeps internal temperature variation within 3°C for great temperature uniformity.



One Key Search for Convenient Checking

Historical temperature data can be saved and checked by pressing only one key for convenient laboratory inspection.

Ergonomic Design



HC Cooling Saves Half Energy

The hydro carbon cooling system has twice the cooling efficiency and saves half the energy.



Glass Shelves

Tempered glass shelves can store over 40kg of various sized reagent bottle.



Low Noise

Ultra quiet fan motor with noise cancelling technology makes the entire refrigerator's noise lower than 40 decibels for a quiet and comfortable lab environment.



Dual Lock Design with Multiple Alarm System

The door comes with a mortise lock. A padlock can also be installed. The system has high and low temperature, open door, and sensor error alerting functions for better safety.



Cabinet Structure



Glass Shelf



ATEX Certification Label

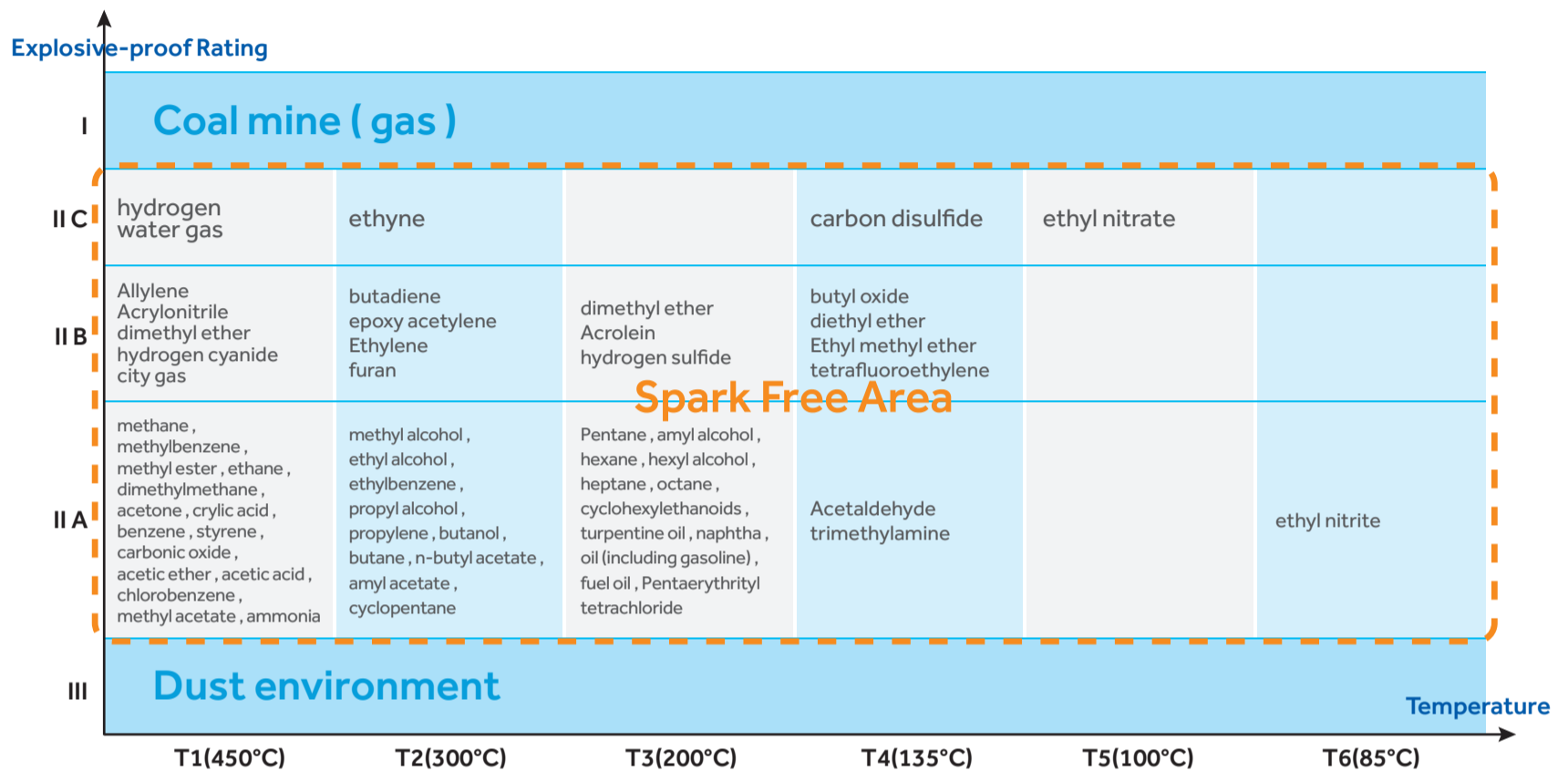


Explosion Proof Cabinet/Fan

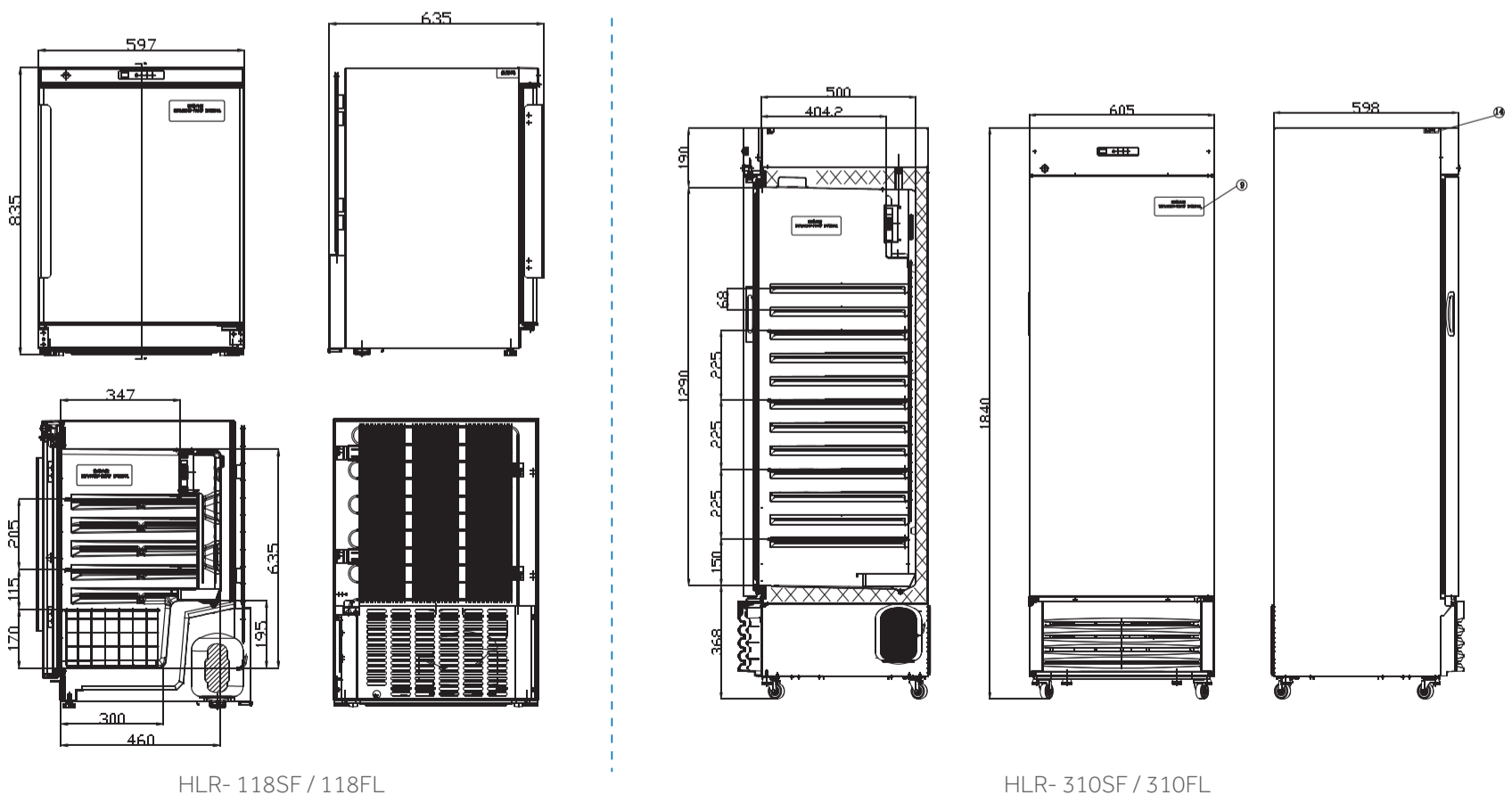


Application range

- Haier spark free refrigerators are ATEX certified in the application range II 3G Ex nA II T6, which means the appliances can be found in the whole II zone environment (including II A and II B, II C). Application can be found in almost all the biochemistry laboratory.



Product Dimension Drawings



Warning: Do not store open containers of volatile substances in this refrigerator.

Product Specifications

Model		HLR-118SF	HLR-310SF	HLR-118FL	HLR-310FL	
Parameters						
Technical Data	Type	Under-Counter	Upright	Under-Counter	Upright	
	Climate Class	N, ST	N, ST	N, ST	N, ST	
	Cooling Type	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling	
	Defrost Mode	Auto	Auto	Auto	Auto	
	Refrigerant	R134a	R600a	R134a	R600a	
	Noise(dB(A))	38	40	38	40	
Performance	Temperature Range(°C)	3~16°C Adjustable	3~16°C Adjustable	3~16°C Adjustable	3~16°C Adjustable	
	Ambient Temperature(°C)	16~38°C	16~38°C	16~38°C	16~38°C	
Control	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	
	Display	LED	LED	LED	LED	
Electrical Data	Power Supply(V/HZ)	220	220	220	220	
	Power(W)	150	210	150	210	
	Electrical Current(A)	1.03	1.26	1.03	1.26	
Dimension	Capacity(L/Cu.Ft)	118	310	118	310	
	Net/Gross Weight(approx)	(kg)	44/49	72/83	44/49	72/83
		(lbs)	97/108	158.7/183	97/108	158.7/183
	Interior Dimension(W*D*H)	(mm)	515×415×630	560×500×1290	515×415×630	560×500×1290
		(in)	20.3×16.3×24.8	22.0×19.7×50.8	20.3×16.3×24.8	22.0×19.7×50.8
	Exterior Dimension(W*D*H)	(mm)	597×635×835	605×598×1840	597×635×835	605×598×1840
		(in)	23.5×25×32.9	23.8×23.6×73.6	23.5×25×32.9	23.8×23.6×73.6
	Packing Dimension(W*D*H)	(mm)	608×690×910	660×670×2020	608×690×910	660×670×2020
(in)		26.8×27.2×35.8	26×26.4×79.5	26.8×27.2×35.8	26×26.4×79.5	
Functions	Container Load(20'/40'/40'H)	48/102/102	27/57/57	48/102/102	27/57/57	
	High/Low Temperature	Y	Y	Y	Y	
	Power Failure	Optional	Optional	Optional	Optional	
	Sensor Error	Y	Y	Y	Y	
	Door Ajar	Y	Y	Y	Y	
	Remote Alarm	Optional	Optional	Optional	Optional	
Accessories	Caster	4	4	4	4	
	Foot	2	2	2	2	
	Shelves/Baskets	2/1	4/0	2/1	4/0	
	Water tray	1	1	1	1	
	Padlock Adapter Kit/Quantity	/	1	/	1	
	Built-in Key Door Lock/Quantity	2	2	2	2	
Others	Certificate	CE ATEX	CE ATEX	CE ATEX	CE ATEX	
Temperature Setting Mode	Password Protection	Password Protection	Password Protection	Password Protection	Password Protection	
Temperature Sensor	1 Resistance Thermometer	1 Resistance Thermometer	1 Resistance Thermometer	1 Resistance Thermometer	1 Resistance Thermometer	
Power Consumption (kWh/24h)	0.8	1.4	0.8	1.4	1.4	
Material						
Exterior Material	Sprayed Cold Plate	Sprayed Cold Plate	Sprayed Cold Plate	Sprayed Cold Plate	Sprayed Cold Plate	
Interior Material/Colour	PS Plate/White	PS Plate/White	Antistatic PS Plate/Black	Antistatic PS Plate/Black	Antistatic PS Plate/Black	
Insulation	Cyclopentane/Isopentane	Cyclopentane/Isopentane	Cyclopentane/Isopentane	Cyclopentane/Isopentane	Cyclopentane/Isopentane	
Outside Door/Quantity	Foaming Door/1	Foaming Door/1	Foaming Door/1	Foaming Door/1	Foaming Door/1	
Outside Door Sealing Structure	Sealing Strip	Sealing Strip	Sealing Strip	Sealing Strip	Sealing Strip	
Shelves Material/Quantity	Tempered Glass/2	Tempered Glass/4	Tempered Glass/2	Tempered Glass/4	Tempered Glass/4	
Adjustable Shelves	Y	Y	Y	Y	Y	
Function Parameters						
Alarm System	Y	Y	Y	Y	Y	
Boot Delay Protection	Y	Y	Y	Y	Y	
Display Screen Password Protection	Y	Y	Y	Y	Y	
Compressor						
Compressor Type	Fully Closed	Fully Closed	Fully Closed	Fully Closed	Fully Closed	
Brand	Secop	Donper	Secop	Donper	Donper	
Compressor Power(W)	172	138	172	138	138	
Compressor Quantity	1	1	1	1	1	
Condenser						
Type(Forced Cooling)	Back Condenser	Wire and Tube Forced Condenser	Back Condenser	Wire and Tube Forced Condenser	Wire and Tube Forced Condenser	
Material(Forced Cooling)	Steel Tube	Steel Tube	Steel Tube	Steel Tube	Steel Tube	
Outside Fan	No	EBM	No	EBM	EBM	
Internal Temperature Uniformity	±3	±3	±3	±3	±3	
Internal Temperature Accuracy	1	1	1	1	1	