PRODUCT SPECIFICATIONS

Model			HLR-118SF	HLR-310SF	HLR-310FL
Parameters					
Technical Data	Type		Under-Counter	Upright	Upright
	Climate Class		N, ST	N, ST	N, ST
	Cooling Type		Forced Air Cooling	Forced Air Cooling	Forced Air Cooling
	Defrost Mode		Auto	Auto	Auto
	Refrigerant		R134a	R600a	R600a
	Noise ((dB(A))		38	40	40
Performance	Temperature Range (°C)		3~16°C Adjustable	3~16°C Adjustable	3~16°C Adjustable
	Ambient Temperature (°C)		16~38°C	16~38°C	16~38°C
Control	Controller		Microprocessor	Microprocessor	Microprocessor
	Display		LED	LED	LED
Electrical Data	Power Supply (V/HZ)		220/50	220/50	220/50
	Power (W)		140	210	210
	Electrical Current (A)		1.03	1.26	1.26
Dimension	Capacity (L/Cu.Ft)		118/4.2	310/10.9	310/10.9
	Net/Gross Weight(approx)	(kg)	44/49	72/83	72/83
		(lbs)	97/108	158.7/183	158.7/183
	Interior Dimension (W*D*H)	(mm)	515×415×630	560×500×1290	560×500×1290
		(in)	20.3×16.3×24.8	22.0×19.7×50.8	22.0×19.7×50.8
	Exterior Dimension (W*D*H)	(mm)	597×635×810	605×598×1840	605×598×1840
		(in)	23.5×25×31.9	23.8×23.6×73.6	23.8×23.6×73.6
	Packing Dimension (W*D*H)	(mm)	700*710*930	680*690*1940	680*690*1940
		(in)	26.8×27.2×35.8	26×26.4×79.5	26×26.4×79.5
	Container Load (20'/40'/40'H)		48/96/96	24/51/51	24/51/51
Alarms	High/Low Temperature		Y	Y	Y
	Sensor Error		Y	Y	Y
	Door Ajar		Y	Y	Y
Accessories	Caster		2	4	4
	Foot		2	2	2
	Shelves/Baskets		2/1	4/0	4/0
	Water tray		1	1	1
	Padlock Adapter Kit/Quantity		/	1	1
	Built-in Key Door Lock/Quantity		1	1	1
Others	Certificate		CE ATEX	CE ATEX	CE ATEX
Temperature Setting Mode			Password Protection	Password Protection	Password Protection
Temperature Sensor			1 Resistance Thermometer	1 Resistance Thermometer	1 Resistance Thermometer
Power Consumption (kWh/24h)			0.56	1.05	1.05
Material					
Exterior Material			Sprayed Cold Plate	Sprayed Cold Plate	Sprayed Cold Plate
Interior Material/ Colour			PS Plate/White	PS Plate/White	Antistatic PS Plate/Black
Insulation			Cyclopentane/Isopentane	Cyclopentane/Isopentane	Cyclopentane/Isopentane
Outside Door/Quantity			Foaming Door/1	Foaming Door/1	Foaming Door/1
Outside Door Sealing Structure			Sealing Strip	Sealing Strip	Sealing Strip
Shelves Material/Quantity			Tempered Glass/2	Tempered Glass/4	Tempered Glass/4
Adjustable Shelves			Y	Y	Y
Function Parameters					
Alarm System			Y	Y	Y
Boot Delay Protection			Y	Y	Y
Display Screen Password Protection			Y	Y	Y
Compressor					
Compressor Type			Fully Closed	Fully Closed	Fully Closed
Brand			Secop	Donper	Donper
Compressor Power(W)			172	138	138
Compressor Quantity			1	1	1
Condenser					
Type(Forced Cooling)			Back Condenser	Wire and Tube Forced Condenser	Wire and Tube Forced Condenser
Material(Forced Cooling)			Steel Tube	Steel Tube	Steel Tube
Outside Fan			No	EBM	EBM
Internal Temperature Uniformity			±3	±3	±3
Internal Temperature Accuracy			1	1	1

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

Haier Biomedical International | Haier Biomedical International | @haiermedicalint | Haier Biomedical International | Haier Biomedical International

Haier Biomedical

Intelligent Protection of Life Science

Sparkfree Refrigerators

ATEX Certified

Haier Biomedical's range of ATEX II C-T6 Explosion **Proof certified laboratory** refrigerators.

360° Explosion Proof Interior

with ATEX II C-T6 EU Explosion Proof Certification.

Setting Temperature Range +3°C to +16°C

with precise control, keeps internal temperature variation within 3°C for great temperature uniformity.

Clear and Complete Alarm System with One Key Search

multiple alarms and data function which allows users to check and save historical data, which is useful and convenient for laboratory inspection processes.

Safer by Design

The new sparkfree laboratory refrigerator, developed in-house,offers 360° internal explosion protection and is fully compliant and certified to the ATEX II C-T6 EU standard. This is one of the highest ATEX rated refrigerators available to life science customers, requiring a safety barrier to protect the temperature sensor. Utilising a zener barrier, the new sparkfree laboratory refrigerators use quick fuse, a current limiting resistance or voltage limiting diode. This limits the input of electrical energy to ensure that the sensor will not be a source of ignition for flammable and explosive substances in the cabinet.This is different from other sparkfree refrigerators, ensuring that the Haier Biomedical units are safer by design. This means that these appliances can be used in zone 2 environments.

ATEX II C-T6 EU Explosion Proof Certified
Our 360° all-around explosion proof system uses an antistatic liner, gasket and explosion proof fan motor. It is also equipped with an overcurrent and overvoltage protection system. All components within the unit are earthed to ensure static is discharged safely.

Safe and Secure
Refrigerator doors have a built-in lock and are also equipped with an adapter kit to allow user to add a padlock. The control panel is lockable to prevent anyone turning off the unit by mistake or adjusting the temperature by accident.

Multiple Alarms
The refrigerator comes with hi/low temperature alert, door open alarm, sensor error and optional power failure alarm. Optional remote alarm contacts ensure the unit can be monitored remotely and will rapidly alert users when in an alarm state.

Low Noise Design
Designed to keep noise to a minimum, the refrigerators have a noise level of below 40dB, creating a quieter working environment.

Energy Efficient Design
The carbon-hydrogen cooling system doubles the cooling efficiency and saves half the energy when compared to traditional refrigerants. In addition,the cabinet is fitted with an energy saving explosion proof fan.

Toughened Glass Shelves
Adjustable, toughened glass shelves with 40kg capacity allows user to store different sizes of reagents.

PRODUCT ADVANTAGES

Cabinet Structure

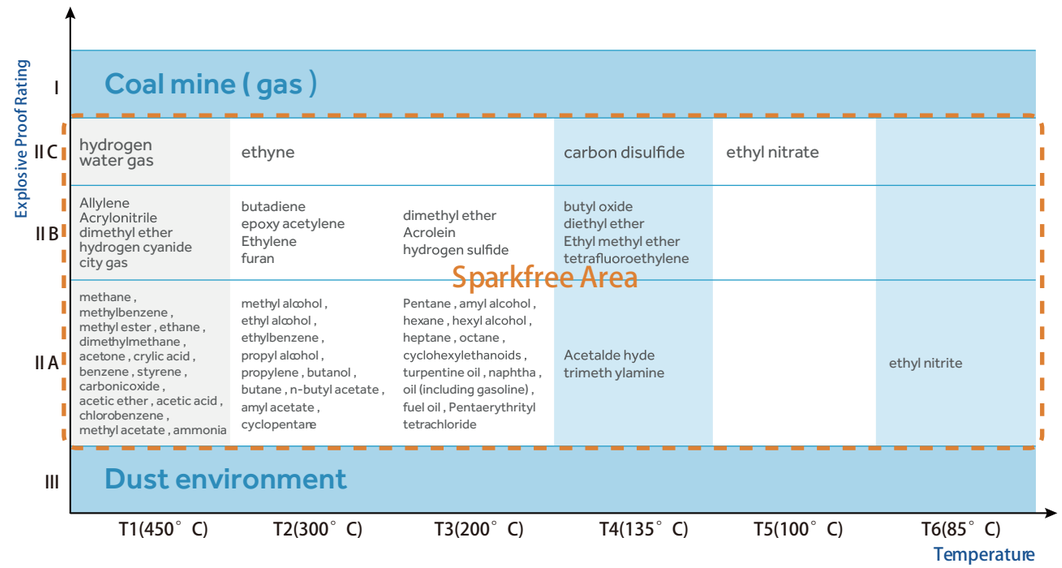
Glass Shelve

ATEX Certification Label

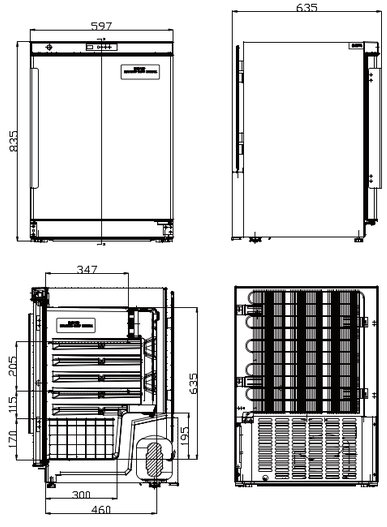
Explosion Proof Cabinet/Fan

ATEX Certification

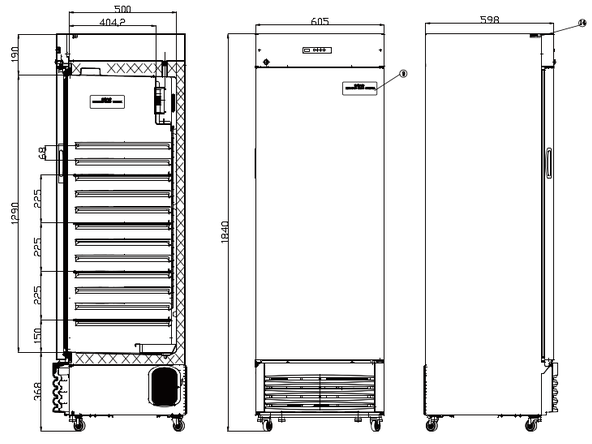
Haier Biomedical sparkfree refrigerators are ATEX certified in the application range II 3G Ex nA II T6. This means that the appliances can be found in the whole 2 zone environment,making our range one of the safest laboratory grade refrigerators available.



PRODUCT DIMENSION DRAWING



HLR- 118SF/FL



HLR- 310SF/FL