

PRODUCT SPECIFICATIONS

Model		HR1200-IIA2-S	
General Specifications	Power Supply(V/Hz)	220-240/50/60	
	Power(VA)	1600	
	Power of Blower(W)	DC 120, DC 112	
	Airflow Circulation	70% Downflow,30% Exhaust	
	Main Filter Typical Efficiency	HEPA ,H14,99.995%@0.3um	
	Exhaust Filter Typical Efficiency	HEPA ,H14,99.995%@0.3um	
	Exhaust Filter	Single	
	Filter's Brand	AAF	
	Downflow Velocity(m/s)	0.30	
	Inflow Velocity(m/s)	0.45	
	Lighting Intensity (Lux)	≥1000	
	Sound Level(dB(A))	60	
Dimensions	Net/Gross Weight	kg	320/339
		lbs	705.5/747.4
	Internal Dimensions(W*D*H)	mm	1310*620*635
		in	51.6*24.4*25
	External Dimensions(W*D*H) (Width without Armrest)	mm	1380*856(796)*2164
		in	54.3*33.7(31.3)*85.2
	Packing Dimensions(W*D*H)	mm	1475*935*1720
		in	58.1*36.8*67.7
Support Stand(mm)	680-900mm adjustable height(standard)		
Sash Opening(mm)	200(Max 490)		
Container load (20'/40'/40'H)	8/16/16		
Alarm Functions	Alarm	Sound and Flash	
	Closing Fan Alarm After Door Opening	Y	
	Door Ajar	Y	
	Abnormal Inflow	Y	
	Abnormal Downflow	Y	
	Door Open More than Limit	Y	
	Filter Clogging	Y	
	Filter Damage	Y	
	Filter Lifetime Lack	Y	
	UV light Lifetime Lack	Y	
Accessories	UV Lamp	Y	
	Socket	2 Sockets	
	Valve Port	Optional	
	Side Wall Service Taps	Optional gas tap, vaccum tap, compressed air tap and water tap	
	Antimicrobial Powder Coating	Optional	
	316SS Work Surface	Optional	
	Work Surface	Four-piece	
	Touch Screen	N	
	Motorized Window	Optional	
	Foot Switch	Optional	
	Armrest	Y	
	Exhaust Duct Connection Kits	Optional	
Others	Certification	CE, UKCA, TUV	

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

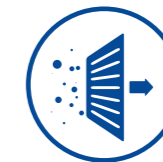
Haier Biomedical

Intelligent Protection of Life Science

Class II Biosafety Cabinets



Energy Efficient
Dual DC fans and LED lights to reduce energy consumption.



High Efficiency Filter
High efficiency HEPA filter for downflow air - typical efficiency of 99.995% for 0.3µm particle



Side Glass Windows
Glass wall allows more natural light in, reducing optical stress caused by artificial lighting, as well as maximising the usable space.

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Haier Biomedical's single exhaust filtered Class II microbiological safety cabinet offers three levels of protection: operator, product and environment.

Safer by Design

The HR1200-IIA2-S biological safety cabinet utilises one highly efficient HEPA exhaust filter and one HEPA downflow filter to provide three levels of protection: operator, product and environment. As there is no need for external ducting, this is a cost-effective solution.

The unit is certified to the EN 12469 standard. It uses energy efficient DC fans, as well as LED lights to ensure for optimal performance with a low noise output and reduced energy consumption. The ergonomic design ensures maximum comfort and alleviates operator fatigue.



Patented Technologies

The range incorporates two patented technologies which offer total user protection and improves the cabinet's energy efficiency.



Patented Safe Airflow Disruption System

The units utilise side air design on the upper edge and on both sides of the front window to eliminate 'blind spots'. This prevents crossflow between inside and outside air, reducing contamination.



Certified to EN 12469 Standard

HEPA exhaust filters – typical efficiency of >99.995% for 0.3 micron particles. HEPA filter (downflow) provides vertical laminar flow to the worktable.



Multiple Alarm Functions

Clear and easy to understand alarm with visual and sound alert functions. Alarms include filter and UV end-of-life alerts, fan turned-off after door opening alert and door open alarm.



Easy to Clean

The divided work surface can easily be removed for sterilisation and allows for easy access to the base of the cabinet for cleaning. The unique drop-down front glass window can be removed in seconds to enable quick and efficient cleaning of upper sections, limiting downtime. There is also a stainless steel rear wall and easy to access drain valve.



Ergonomic Design

Designed with the user in mind, this cabinet features 10° angled front window to provide a comfortable workspace, adjustable height stand, castors with self-levelling feet and a drop-down window design for easy cleaning. A removable hand rest reduces arm fatigue without interfering with the air inflow.



Lower Noise and Airflow Uniformity

DC fan operates with lower noise and better uniformity airflow.



Patented Waterproof Socket Timer

The two IP rated 44 waterproof sockets within the cabinet have a timed on/off function for improved safety and energy conservation.



Simple Controller with LCD screen display

LCD control panel displays various parameters and clear operational conditions.



Two Service Fixtures

Two access ports are located on either side of the cabinet for easy access and flexibility.



UV Lamp

Ultraviolet light can be set with one single key to automate on/off time, sterilisation time and sterilisation time interval from 0 to 24 hours, reducing downtime.



Tubular Motor (Optional)

The motor is stable and reliable. Two position limiting devices make the auto glass-door system more safe.



Optional Electric Glass Door

The glass door is electrically operated. The standard glass-height opening during work is set to 200mm. The glass door can also be pulled down – in order to allow easy access for complete and effective cleaning and decontamination.

PRODUCT ADVANTAGES



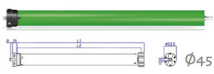
EBM DC Fan, Energy consumption as low as 112W, Low noise to 58 dB.



Standard waterproof socket. (Option water valve and air valve.)



AAF HEPA filter, The filtration efficiency is 99.995% @ 0.3 um.



Electrical glass door motor make the use procedure more comfortable. (Optional)



Adjustable chassis adapts to different height requirements.

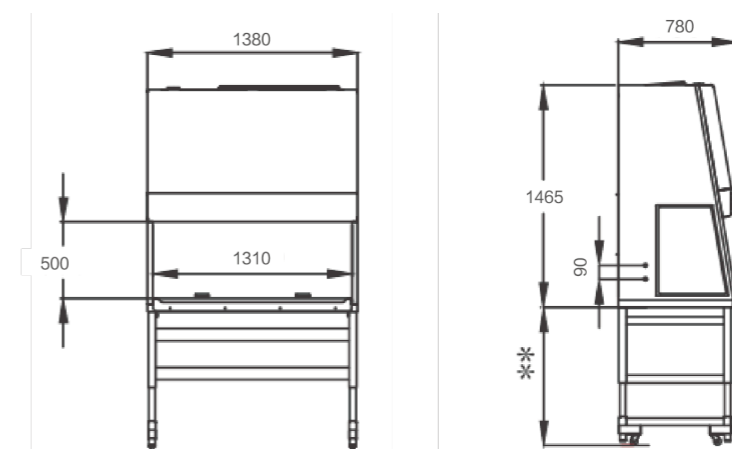


Drop-down glass door is easy to clean



Partitioned workbench is easy to sterilize and clean.

PRODUCT DIMENSION DRAWING



HR1200-IIA2-S

** means the adjustable stand ranges from 680mm to 900mm.