



HYC-1100C



Eco-Friendly
Hydrocarbon Refrigerant



Condensation Free, Even at
Ambient 32°C & 80% RH



Data Can Be Stored
for Ten Years.
Convenient for Data Export.

Chromatography Refrigerator

Scope of Application

Used for biochemical chromatographic analysis in laboratories, universities and other facilities.

Innovative Design

- ◎ Purpose-built for chromatographic analysis
- ◎ Internal power socket, UV lamp and robust frame making it easier to run experiments

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Product Features



Professional Chromatography Refrigerator

- Large volume of 1100L
- Waterproof sockets provides power for mixers, shakers and other lab tools
- Robust frame and clamp securely hold experimental apparatus
- UV lamp ensures thorough sterilization within the chamber
- Corrosion-proof and easy-to-clean stainless steel interior



Top-mounted key lock for convenience



Adjustable perforated stainless steel shelves promote better circulation and flexible storage



Two access ports (one on each side wall)



4 swivel casters with 2 leveling feet for easy movement and positioning



Hydrocarbon refrigerant (R290) and CFC-free polyurethane insulation



USB, optional RS485 & optional printer for easy data export and external connection



Microprocessor controller, digital display with 0.1°C resolution; hermetically sealed compressor, forced-air circulation with auto defrost to ensure a cabinet temperature between 2~8°C



Heated double-layer tempered glass door featuring self closing hinges and magnetic gasket seals.



Multiple alarm functions with audible and visual alerts.



Energy-efficient interior LED lighting provides bright low heat lighting.

Specifications



Model		HYC-1100C	
Technical Data	Cabinet Type	Upright, Glass Door	
	Climate Class	N, 16-32°C	
	Cooling Type	Forced Air Cooling	
	Defrost Mode	Auto	
	Refrigerant	R290, 90g	
	GWP (Global Warming Potential)	3	
	Sound Level (dB(A))	43	
Performance	Temperature Range (°C)	2-8	
Control	Controller	Microprocessor	
	Display	LED	
Electrical Data	Power Supply (V/Hz)	220-240/50/60	
	Power (W)	600	
	Electrical Current (A)	2.7	
Dimensions	Capacity (L/Cu.Ft)	1100/38.8	
	Net/Gross Weight (approx)	kg	340/380
		lbs	750/838
	Interior Dimensions (W*D*H)	mm	1315*570*1525
		in	51.8*22.4*60.0
	Exterior Dimensions (W*D*H)	mm	1420*630*1980
		in	55.9*24.8*78.0
	Packing Dimensions (W*D*H)	mm	1550*875*2100
		in	61.0*34.5*82.7
Container Load (20'/40'/40'H)		7/15/15	
Alarms	High/Low Temperature	Y	
	High Ambient Temperature	Y	
	Door Ajar	Y	
	Power Failure	Y	
	Low Battery	Y	
	Sensor Error	Y	
	Communication Failure	Y	
	Remote Alarm	Y	
Accessories	Caster	4	
	Foot	2	
	Porthole	2 L&R on Each Side	
	Clamp Fit	2 Sets	
	Shelves/Drawers	1 Supporting Frame + 2 Adjustable Shelves	
	Printer	Optional	
	Chart Recorder	Optional	
	USB Interface	Yes	
	RS485	Optional	
Others	Certification	/	

Specifications



Model	HYC-1100C	
Performance Characteristics	Temperature Setting Mode	Digital, resolution 0.1°C
	Temperature Sensor	NTC
	Power Consumption (kWh/24h)	10.5
	Heat Rejection (BTU/day) 1kWh=3412.14 BTU	35827
Material	Exterior Material	Steel (Pre-coated with Epoxy Resin)
	Interior Material	Stainless Steel
	Insulation material	Polyurethane (Fluoride-Free)
	Outer Door	Double-paned Glass Door
	Door Thickness	50mm
	Cabinet Thickness	45mm
	Door Sealing Structure	Magnetic Gasket, PVC
	Padlock Adapter Kit/Quantity	N/A
	Built-in Key Door Lock/Quantity	2
	Electronic Magnetic Lock	N/A
Product Accessories	Shelves Material	Stainless Steel
	Adjustable Shelves	Y
	No. of Shelves	2
	Shelves Dimension (W*D)	/
	Max Load of Each Shelf	28 kg
	Compressor Type	Hemertic
	Brand	EMBRACO / VESA7U
	Compressor Quantity	1
Function Parameters	Insulation Level	I
	Boot Delay Protection	Y
	Screen Setting Protection	Y
Evaporator	Type	Finned Evaporator
	Material	Aluminum
Condenser	Type (Forced air Cooling)	Wire & Tube
	Material (Forced air Cooling)	Steel
	Outside Fan	1
	Internal Temperature Uniformity (°C)	±2
	Internal Temperature Accuracy (°C)	0.1
	Pull Down Time (25°C ambient to 6°C) mins	About 50min
	Warm Up Time (25°C ambient, 5°C to 8°C) mins	About 10min
	Whether or not have backup battery? How many hours can the battery last?	Y/24h

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