Haier Biomedical Refrigerators

- Superior Temperature Uniformity
- Environmentally Friendly
- Auto Defrost
- Reversible Door Hinge
- Multiple Alarms
- Lockable Design

Haier Biomedical USA

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Intelligent Protection of Life Science

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◇ Product Advantages

Eco-friendly hydrocarbon refrigerant and CFC- free polyurethane insulation for reduced global warming potential

A φ25mm probe access port is standard on side wall to accept user-provided monitoring equipment

Hermetically sealed compressor, forced-air circulation with auto defrost to ensure superior cooling performance with temperature uniformity of ≤±1.5° C; anti- freezing thermostat is available to protect stored items from freezing

Multiple alarm functions for safer monitoring, audible/visual alert with mute function; remote alarm contact is equipped as standard

GD: Triple-paned tempered glass door with frame heater to reduce condensation even at 32° C, 80% RH ambient; self- closing door hinge; magnetic gaskets to ensure a positive seal
FD: Self-closing door hinge with 90° stop; Magnectic gaskets to ensure a positive seal

Convenient security with a top-mounted unique-key lock

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

Side-mounted energy efficient LED lighting illuminates entire interior space.

Microprocessor controller, digital display with 0.1°C resolution; easy to check the min/max temperature in the past 24 hours

Optional USB module to easily record internal temperature and alarm data; optional RS485 port

Adjustable plastic-coated wire shelves for improved circulation and flexible storage

◈ Specifications

	Model	HYC-85GD	HYC-85FD	HYC-461GD	HYC-461FD	HYC-1031GD	HYC-1031FD
Technical Data	Cabinet Type	Counter-Top/ Under-Counter, Glass Door	Counter-Top/ Under-Counter, Solid Door	Upright, Glass Door	Upright, Solid Door	Upright, Glass Door	Upright, Solid Door
	Climate Class	N, 16~32°C		N, 16~32°C		N, 16~32°C	
	Cooling Type	Forced Air Cooling		Forced Air Cooling		Forced Air Cooling	
	Defrost Mode	Auto		Auto		Auto	
	Refrigerant	R600a		R600a		R290	
	GWP (Global Warming Potential)	20		20		3	
	Sound Level (dB(A))	35		37		39	
Performance	Temperature Range (°C)	2~8		2~8		2~8	
Control	Will the fan stop automatically when opening the door	Y		/		/	
	Controller	Microprocessor		Microprocessor		Microprocessor	
	Display	LED		LED		LED	
Electrical Data	Power Supply (V/Hz)	115/60		115/60		115/60	
	Power (W)	150	180	230		400	380
	Electrical Current (A)	1.2	0.98	3.1		3.6	2.2
Performance Characteristics	Temperature Sensor	NTC		NTC		NTC	
	Power Consumption (kWh/24h)	0.72	0.5	1.33		2.04	2.48
Dimensions	Capacity (L/Cu.Ft)	85 / 3.0		461/16.3		1031 / 36.4	
	Net/Gross Weight (approx) — kg	36 / 41	33 / 38	115/125		255/265	
	Net/Gross Weight (approx) — lbs	79.4 / 90.4	72.8 / 83.9	254/276		562/584	
	Interior Dimensions (W*D*H) — mm	405*405*555		500*590*1670		1115*590*1670	
	Interior Dimensions (W*D*H) — in	15.9*15.9*21.9		19.7*23.2*65.7		43.9*23.2*65.7	
	Exterior Dimensions (W*D*H) — mm	495*550*740		595*800*1990		1205*800*1990	
	Exterior Dimensions (W*D*H) — in	19.5*21.7*29.1		23.4*31.5*78.3		47.4*31.5*78.3	
	Packing Dimensions (W*D*H) — mm	590*650*830		720*930*2100		1310*925*2150	
	Packing Dimensions (W*D*H) — in	23.2*25.6*32.7		28.3*36.6*82.7		51.6*36.4*84.6	
	Container Load (20'/40'/40'H)	54/120/180		18/37/37		10/21/21	
Alarms	High/Low Temperature	Y		Y		Y	
	High Ambient Temperature	Y		Y		Y	
	Door Ajar	Y		Y		Y	
	Power Failure	Y		Y		Y	
	Low Battery	Y		Y		Y	
	Sensor Error	Y		Y		Y	
	Communication Failure	Y		Y		Y	
	Condenser Heat	N		Y		Y	
	Remote Alarm	Y		Y		Y	
	Audible and Visual Alarm	Y		/		Y	
Accessories	Caster	2		4		4	
	Foot	2		2		2	
	Porthole	1		2		2	
	Shelves/Drawers	2/1		6/-		14/-	
	Printer	N/A		Optional		Optional	
	Chart Recorder	N/A		N/A		N/A	
	USB Interface	Optional		Optional		Optional	
	RS485	Optional		Optional		Optional	
	Electromagnetric Lock	/		N/A		N/A	
	Plastic Basket	/		Optional		Optional	
Material	Exterior Material	Painted Steel		Painted Steel		Painted Steel	
	Interior Material	Polystyrene		Polystyrene		Painted Steel	
	Door Thickness (mm)	50		50		50	
	Cabinet Thickness (mm)	45		45		45	
	Shelves Material	Steel Wire, Coated with Plastic		Steel Wire, Coated with Plastic		Steel Wire, Coated with Plastic	
	No. of Shelves	2		6		12+2	
Others	Certification	UL, Energy Star	/	UL, Energy Star		UL, Energy Star	/

❯ Exterior View

HYC-118

HYC-118A

❯ Interior View

HYC-118

HYC-118A

❯ Product Advantages

Superior Cabinet Temperature Uniformity, Auto Defrost

Eco-friendly hydrocarbon refrigerant (R600a) and CFC- free polyurethane insulation for reduced global warming potential

LED Display

Microprocessor control, digital display and temperature adjustment with an increment of 0.1°C

Multiple Alarms

Capable of alerts due to high and low temperature, sensor error, power failure, low battery, door ajar and remote alarm

Ergonomic Design

810mm cabinet height makes it easy to place under test bench, saving storage space

Energy Efficient Hydrocarbon (HC) Refrigeration System

The optimized refrigeration system, utilizing high-efficiency HC compressor significantly reduces energy consumption

Greener by Design

HC refrigerants are naturally non-toxic and environmentally friendly

Lockable Design

Safety lock to prevent unauthorized access

◇ Specifications

Model		HYC-118	HYC-118A
Technical Data	Cabinet Type	Upright, Solid Door	Upright, Glass Door
	Climate Class	N	N
	Cooling Type	Forced Air Cooling	Forced Air Cooling
	Defrost Mode	Auto	Auto
	Refrigerant	R600a	R600a
	Sound Level (dB(A))	41	41
Performance	Temperature Range (°C)	2~8	2~8
Control	Will the fan stop automatically when opening the door	Y	Y
	Controller	Microprocessor	Microprocessor
	Display	LED	LED
Electrical Data	Power Supply (V/Hz)	115/60	115/60
	Electrical Current (A)	1.4	1.5
Performance Characteristics	Temperature Sensor	NTC	NTC
	Power Consumption (kWh/24h)	0.42	1.94
	Temperature Sensor or Not	Y	Y
Dimensions	Capacity (L/Cu.Ft)		118/4.2	118/4.2
	Net/Gross Weight (approx)	(kg)	41/46	46/51
		(lbs)	90.5/101.5	101.5/112.5
	Interior Dimension (W*D*H)	(mm)	515*415*630	515*415*630
		(in)	20.3*16.3*24.8	20.3*16.3*24.8
	Exterior Dimension (W*D*H)	(mm)	597*635*810	597*635*810
		(in)	23.5*25.0*31.9	23.5*25.0*31.9
	Packing Dimension (W*D*H)	(mm)	700*710*930	700*710*930
		(in)	27.6*28.0*36.6	27.6*28.0*36.6
	Container Load (20'/40'/40'H)		48/96/96	48/96/96
Alarms	High/Low Temperature	Y	Y
	Remote Alarm	Y	Y
	Power Failure	Y	Y
	Sensor Error	Y	Y
	Low Battery	Y	Y
	Audible and Visual Alarm	Y	Y
	Door Ajar	Y	Y
Accessories	Caster	Y	Y
	Foot	Y	Y
	Porthole	Y	Y
	Shelves/Drawers	3/1	3/1
	USB Interface	/	/
Material	Exterior Material	Painted Steel	Painted Steel
	Interior Material	Polystyrene	Polystyrene
	Drawers Material	Steel Wire Dipping Plastic	Steel Wire Dipping Plastic
	Door Thickness (mm)	40	40
	Cabinet Thickness (mm)	40	40
	Shelves Material	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic
	No. of Shelves	3	3
Other	Certificate	UL	UL

◇❯ **Exterior View**

HYC-290   HYC-639   HYC-1378

◇❯ **Interior View**

HYC-290   HYC-639   HYC-1378

◇❯ **Product Advantages**

Eco-friendly hydrocarbon refrigerant and CFC-free polyurethane insulation for reduced global warming potential

Microprocessor controller, digital display with 0.1°C resolution for accurate control

Hermetically sealed compressor, forced-air circulation with auto defrost to ensure high cooling performance to keep cabinet temperature betwee 2~8°C

Self-closing door with magnetic gaskets to ensure a positive seal

Double-layer tempered glass door with electronic heater to reduce condensation even at 32°C, 80% RH ambient

Multiple alarm functions for safer monitoring, audible/visual alert with mute function; remote alarm contacts as standard in rear of the unit

Convenient security with a top-mounted unique-key lock

Energy efficient interior LED lighting

Adjustable plastic-coated wire shelves for improved circulation and flexible storage

Optional USB, optional printer

25mm probe access port to accept user- provided monitoring equipment

4 swivel casters with 2 leveling feet

◆ Specifications

Model		HYC-290	HYC-639	HYC-1378
Technical Data	Cabinet Type	Upright, Single Door	Upright, Single Door	Upright, Double Door
	Climate Class	N	ST	N
	Cooling Type	Forced Air Cooling	Forced Air Cooling	Forced Air Cooling
	Defrost Mode	Auto	Auto	Auto
	Refrigerant	R600a	R600a	R290
	Sound Level (dB(A))	43	46	45
Performance	Temperature Range (°C)	2~8	2~8	2~8
Control	Will the fan stop automatically when opening the door	Y	Y	Y
	Controller	Microprocessor	Microprocessor	Microprocessor
	Display	LED	LED	LED
Electrical Data	Power Supply (V/Hz)	115/60	115/60	115/60
	Electrical Current (A)	2.2	2.5	7.5
Performance Characteristics	Temperature Sensor	Digital Sensor	NTC	NCT
	Power Consumption (kWh/24h)	5.1	5	12.47
Dimensions	Capacity (L/Cu.Ft)	290/10.2	600/21.2	1378/48.7
	Net/Gross Weight (approx) (kg)	105/127	200/240	310/360
	Net/Gross Weight (approx) (lbs)	231.6/280.1	551.15/639.33	683.4/793.7
	Interior Dimension (W*D*H) (mm)	530*555*1080	620*706*1520	1320*700*1500
	Interior Dimension (W*D*H) (in)	20.9*21.9*42.5	24.4*27.8*59.8	52.0*27.6*59.1
	Exterior Dimension (W*D*H) (mm)	665*710*1665	760*897*1993	1440*950*1980
	Exterior Dimension (W*D*H) (in)	26.2*28.0*65.6	29.9*35.3*78.5	56.7*37.4*78.0
	Packing Dimension (W*D*H) (mm)	700*810*1810	910*1030*2170	1620*1040*2140
	Packing Dimension (W*D*H) (in)	27.6*31.9*71.3	35.8*40.6*85.4	63.8*41.0*84.3
	Container Load (20'/40'/40'H)	22/44/44	12/24/24	6/14/14
Alarms	High/Low Temperature	Y	Y	Y
	Remote Alarm	Y	Y	Y
	Power Failure	Y	Y	Y
	Sensor Error	Y	Y	Y
	Low Battery	Y	Y	Y
	Door Ajar	Y	Y	Y
	Audible and Visual Alarm	Y	Y	Y
Accessories	Caster	Y	Y	Y
	Foot	Y	Y	Y
	Porthole	Y	Y	Y
	Shelves/Drawers	5/-	4/-	12/-
	USB Interface	Y	Y	Y
	Printer	Optional	Optional	Optional
	Chart Recorder	/	/	Optional
Material	Exterior Material	Painted Steel	Painted Steel	Painted Steel
	Interior Material	Polystyrene	Painted Steel, Optional Stainless Steel	Painted Steel
	Door Thickness (mm)	40	30	50
	Cabinet Thickness (mm)	40	70	60
	Shelves Material	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic
	No. of Shelves	5	4	12
Other	Certificate	UL	UL, Energy Star	UL

◈ Exterior and Interior View

Spark-Free Refrigerator

Blood Bank Refrigerator

HLR-310FL

HXC-629B

◈ Product Advantages

Eco-friendly hydrocarbon refrigerant and CFC-free polyurethane insulation for reduced GWP (global warming potential)

ATEX Certified with spark-free interior

Multiple alarm functions for safer monitoring, audible/visual alert with mute function; remote alarm contact is equipped as standard

Hermetically sealed compressor, optimized cooling system to ensure high performance and energy saving

Standard USB Interface
Ability to record temperature data for up to ten years with the built-in standard USB interface.

Guaranteed Control to Ensure Precise Temperature
With a setpoint of 4°C, the interior temperature is constant and steady. The digital display is settable at 0.1°C degrees and is equipped with 6 high-precision sensors and a mechanical thermostat. This enables more accurate cooling and control to ensure uniformity of the temperature inside the unit. The multi-layer door design reduces thermal loss after door openings and further ensures the temperature stability inside the cabinet.

Multiple Alarms/Alerts For Worry-Free Use
Equipped with a complete set of alarms, including: high and low temperature, power failure, door ajar, sensor error, and low battery. There are two alarm modes including audible buzzer and visual lights, as well as standard remote alarm contacts. The back-up battery design ensures that alarm and temperature readings continue to operate in the event of a power failure.

❯ Specifications

Model		HLR-310FL	HXC-629B
Technical Data	Type	Upright	Basket-Type
	Climate Class	N	N
	Cooling Type	Forced Air Cooling	Forced Air Cooling
	Defrost Mode	Auto	Auto
	Refrigerant	R600a	R600a
	Sound Level (dB(A))	43	41
Performance	Temperature Range (°C)	3~16 Adjustable	4±1
	Ambient Temperature (°C)	16~32	16-32
Control	Controller	Microprocessor	Microprocessor
	Display	LED	LED
Electrical Data	Power Supply (V/Hz)	115/60	115/60
	Power (W)	210	255
	Electrical Current (A)	2.5	3
	Power Consumption (kWh/24h)	/	3.6
Dimensions	Capacity (L/Cu.Ft)	310/10.9	629/22.2
	Blood Storage Capacity (450ml blood bags)	/	312
	Net/Gross Weight (approx) — kg	72/83	187/217
	Net/Gross Weight (approx) — lbs	158.7/183	411.4/477.4
	Interior Dimensions (W*D*H) — mm	560*500*1290	645*680*1455
	Interior Dimensions (W*D*H) — in	22.0*19.7*50.8	25.2*26.5*56.7
	Exterior Dimensions (W*D*H) — mm	605*598*1840	765*940*1980
	Exterior Dimensions (W*D*H) — in	23.8*23.6*73.6	29.8*36.7*77.2
	Packing Dimensions (W*D*H) — mm	680*690*1940	875*995*2090
	Packing Dimensions (W*D*H) — in	26.8*27.1*74.4	34.1*38.8*81.5
	Container load (20'/40'/40'H)	24/51/51	12/26/26
Alarms	High/Low Temperature	Y	Y
	Power Failure	N/A	Y
	Sensor Error	Y	Y
	Low Battery	/	Y
	Door Ajar	Y	Y
	Dirty Condenser	/	Y
	Remote Alarm	N/A	/
Accessories	Caster	4	4
	Foot	2	2
	Porthole	/	Y
	Baskets	/	24
	Shelves/Drawers	4/0	6/0
	Water Tray	1	/
	Padlock Adapter Kit/Quantity	1	/
	Built-In Key Door Lock/Quantity	1	/
	Inner Doors	/	6
	USB Interface	/	Y
	Remote Alarm	/	Y
	Temperature Recorder	/	Y
Others	Certifications	UL, Energy Star	UL

❯ Exterior View

HYCD-319A   HYCD-469A

❯ Interior View

HYCD-319A   HYCD-469A

❯ Product Advantages

Multipurpose and Space Efficient

One cabinet with two independent chambers, both are self-contained and independently controlled with individual doors.
Refrigerator chamber is equipped with a double-paned glass viewing window and LED interior lighting.

Environmentally Friendly

Hydrocarbon refrigerant (R600a for refrigerator / R290 for freezer) and CFC-free polyurethane insulation for reduced global warming potential potential.

Stainless Steel Interior

The interior of refrigerator and freezer are both made of stainless steel, which is easy to clean and corrosion-proof.

Microprocessor Controller with Digital Display

Refrigerator temperature 2~8°C with resolution of 0.1°C.
Freezer temperature -40~-10°C with resolution of 1°C.
Multiple alarm functions with remote alarm contact to ensure safe monitoring.

High Performance

Refrigerator: Forced-air cooling system with cycle defrost, temperature uniformity of ±3° C.
Freezer: Cold wall cooling system, manual defrost, temperature uniformity of ±5°C.
Standard USB port for easy retrieval of temperature records.

❯ Specifications

Model		HYCD-319A		HYCD-469A	
Technical Data	Cabinet Type	Refrigerator	Freezer	Refrigerator	Freezer
		Upright		Upright	
	Climate Class	N		N	
	Cooling Type	Forced Air Cooling	Direct Cooling	Forced Air Cooling	Direct Cooling
	Defrost Mode	Auto	Manual	Auto	Manual
	Refrigerant	R600a	R290	R600a	R290
	Sound Level (dB(A))	50		52	
Performance	Temperature Range (°C)	2~8	-15~-40	2~8	-15~-40
Control	Controller	Microprocessor		Microprocessor	
	Display	LED		LED	
Electrical Data	Power Supply (V/Hz)	115/60		115/60	
	Power(W)	450		640	
	Electrical Current (A)	6		7	
Dimensions	Capacity (L/Cu.Ft)	200/7.06	100/3.53	245/8.65	200/7.1
	Net/Gross Weight (approx) kg	145/160		176/207	
	lbs	319.7/352.7		388.0/456.4	
	Interior Dimensions (W*D*H) mm	605*510*720	515*465*440	593*585*800	553*545*660
	in	23.8*20*28.3	20.2*18.3*17.3	23.3*23.0*31.5	21.8*21.5*26.0
	Exterior Dimensions (W*D*H) mm	735*660*1810		738*834*1975	
	in	28.9*26.0*71.3		29.1*32.8*77.8	
	Packing Dimensions (W*D*H) mm	795*740*2010		840*910*2170	
	in	31.3*29.1*79.1		33.1*35.8*85.4	
	Container Load(20'/40'/40'H)	21/43/43		12/28/28	
Alarms	High/Low Temperature	Y		Y	
	Sensor Error	Y		Y	
	Power Failure	Y		Y	
	Door Ajar	Y		Y	
	High Ambient Temp	Y		Y	
	Low Battery	Y		Y	
	Remote Alarm	Y		Y	
Accessories	Caster	Y		Y	
	Foot	Y		Y	
	Porthole	Y		Y	
	Shelves/Drawers	3/1	1/2 (without sliding rack)	3/0	3/0 (Max 3 Drawers optional, without sliding rack)
	RS-485	Optional		Optional	
	USB Interface	Y		Y	
Others	Certification	UL		UL	

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