

► Pharmacy Refrigerator Solutions



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Note: If a slight difference occurs between pictures and actual products, please refer to actual products. Our company reserves the right of final interpretation of this brochure, please contact us for any further information if required.

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Chromatography Refrigerator

03/04

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

Product Advantages



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)



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



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



Double-layer tempered glass door with heater prevents condensation even at 32°C, 80% RH ambient, self-closing mechanism, magnetic door gasket for positive seal



Hydrocarbon refrigerant (R290) and CFC -free polyurethane insulation



Multiple alarm functions for safer monitoring, audible & visual alert with mute function, including standard remote alarm modules



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



Energy-efficient interior LED lighting provides bright, high color illumination at lower heat output

Product Specification

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	
	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 Dimension (W*D*H)	(mm)	1315*570*1525
		(in)	43.1*18.7*50.0
	Exterior Dimension (W*D*H)	(mm)	1420*630*1980
		(in)	46.6*20.7*65.0
Packing Dimension (W*D*H)	(mm)	1525*900*2100	
	(in)	50.0*29.5*68.9	
	Container Load (20'/40'/40'H)	7/14/14	
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	
	Clamp Fit	2 Sets	
	Shelves/Drawers	1 Supporting Frame + 2 Adjustable Shelves	
	Printer	Optional	
	Chart Recorder	Optional	
	USB Interface	Yes	
RS485	Optional		
Others	Certification	CE	

New Generation Pharmacy Refrigerator

Used for storage of medicines, vaccines, reagents, biological products and other items that require a temperature between 2-8°C in hospitals, pharmacies, pharmaceutical factories, clinics and laboratories as key examples.

Product Advantages

 High performance with low noise level: 37dB(A)

 Low energy consumption 2.2kWh /day

 Ergonomic & innovative design, 7" touch screen, easy to check the cabinet temperature, alarm & event records; authority management is standard to avoid unauthorized access or change in settings

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

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

 Anti-freezing thermostat is available to protect store items from freezing, which is DIN13277 compliance

 Energy efficient interior LED lighting, side-mounted for complete clear visibility of the internal area

 Standard USB module to easily record and export cabinet temperature and alarm data; Standard RS485 port and remote alarm contact for ease of external connection; optional printer to efficiently export cabinet temp data

 Microprocessor controller, smart inverter compressor, optimized air-cooling technology with auto defrost to ensure excellent cooling performance, defrost water to evaporate automatically



 Two 25mm probe access ports on each side wall to accept user-provided monitoring equipment

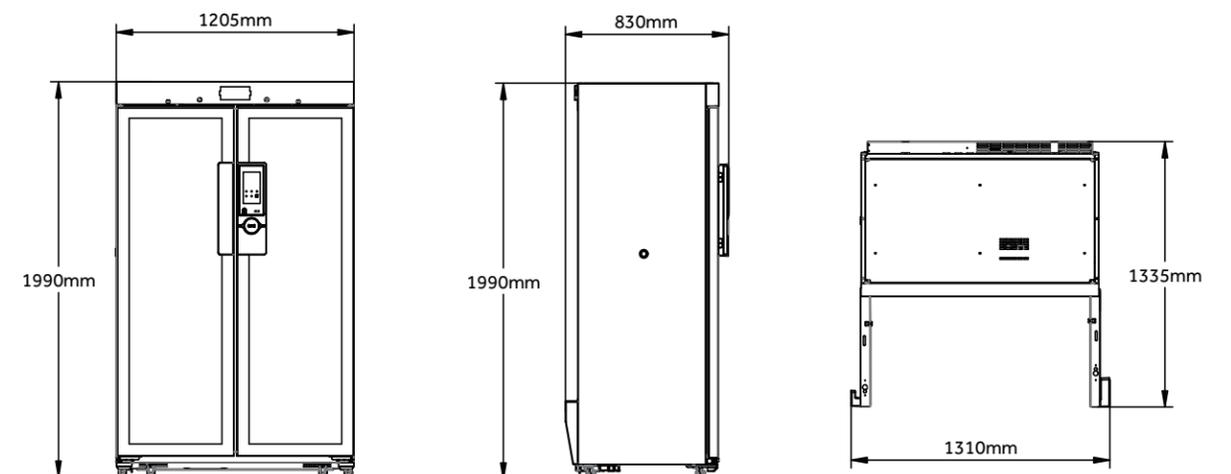
 Adjustable plastic-coated wire shelves for improved circulation and flexible storage. 4 swivel casters with 2 leveling feet for easy movement and fixing

 Electromagnetic lock is standard to avoid unauthorized access



HYC-1030GT

Cabinet Temperature



New Generation Pharmacy Refrigerator

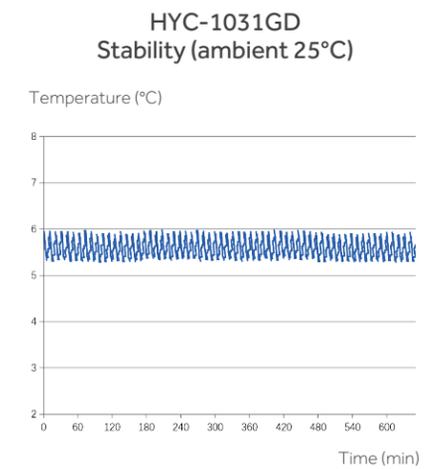
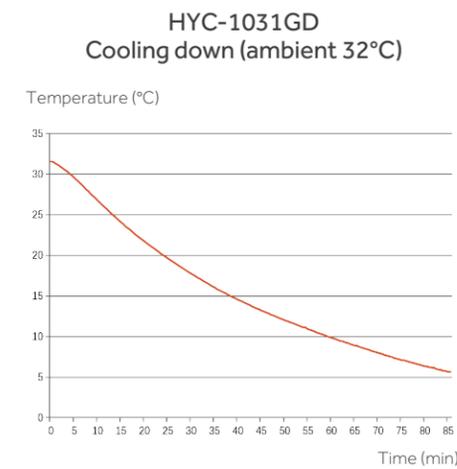
Used for storage of medicines, vaccines, reagents, biological products and other items that require a temperature between 2-8°C in hospitals, pharmacies, pharmaceutical factories, clinics and laboratories etc.

Product Advantages

-  Low energy consumption: 2.5 kWh/day ^①
-  Excellent performance: temperature uniformity $\leq \pm 1^\circ\text{C}$ ^②
-  Quiet operation: 39dB (A)
-  Intelligent anti-condensation: triple-paned tempered glass door with door frame heater, effectively reduces condensation even at 32°C, 80% RH ambient temperature
-  Optional USB, RS485 and printer, easy to export temperature data; all events and alarms will be recorded by the USB module
-  Eco-friendly hydrocarbon refrigerant (R290) and CFC-free polyurethane insulation for reduced global warming
-  Hermetically sealed compressor, forced-air circulation and automatic defrost to ensure high cooling performance
-  Self-closing door with magnetic gasket for positive seal
-  Microprocessor controller, display with resolution of 0.1°C
-  Multiple alarm functions for safer monitoring



Cabinet Temperature



* ①&②: Tested by TUV according to DIN13277

New Generation Pharmacy Refrigerator

Used for storage of medicines, vaccines, reagents, biological products and other items that require a temperature between 2-8° C in hospitals, pharmacies, pharmaceutical factories, clinics and laboratories etc.

Product Advantages



Eco-friendly hydrocarbon refrigerant (R290) and CFC- free polyurethane insulation for reduced global warming potential.



Hermetically sealed compressor, forced-air circulation with auto defrost to ensure high cooling performance, temperature uniformity $\pm 1.5^{\circ}\text{C}$; anti-freezing thermostat is available to protect store items from freezing.



Self-closing door hinge with 90° stop; Magnetic gaskets to ensure a positive seal.



Energy efficient interior LED lighting, side-mounted to enlighten full space.



Optional USB module to easily record and export cabinet temperature and alarm data; optional RS485 port for easily external connection; optional printer to easily export cabinet temp data.



Two 25mm probe access port on each side wall to accept user-provided monitoring equipment.



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



Convenient security with a top-mounted unique-key lock.



4 swivel casters with 2 leveling feet for easily movement and fixing.



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

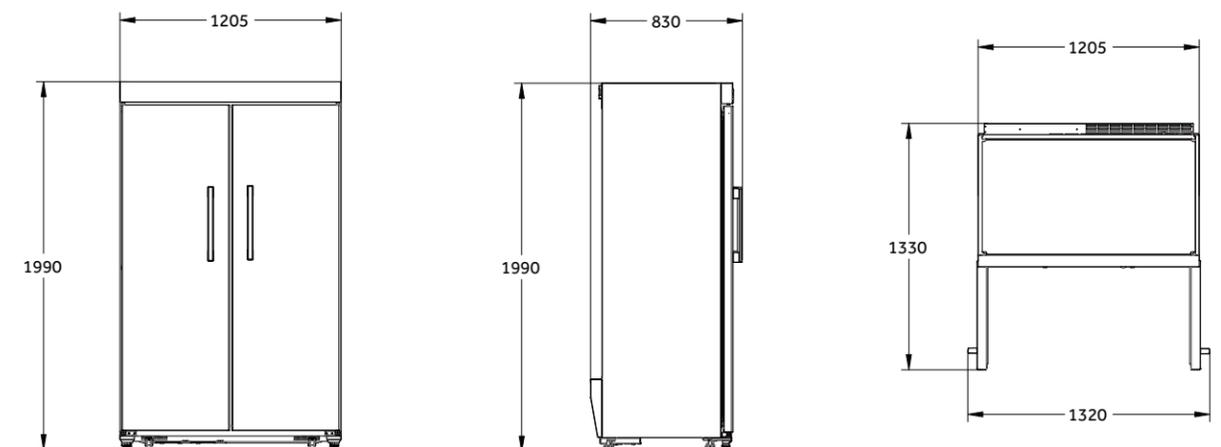


Adjustable plastic-coated wire shelves for improved circulation and flexible storage.



HYC-1031FD

Product Dimension



Front view

Side view

Top view

New Generation Pharmacy Refrigerator

Specifications

Model	HYC-1030GT	HYC-1031GD	HYC-1031FD		
Technical Data	Cabinet Type	Upright, Glass 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	R290	R290	
	Sound Level (dB(A))	37	39	39	
Performance	Temperature Range (°C)	2-8	2-8	2-8	
Control	Controller	Microprocessor	Microprocessor	Microprocessor	
	Display	LED	LED	LED	
Electrical Data	Power Supply (V/Hz)	220-240/50/60	220-240/50/60	220-240/50/60	
	Electrical Current (A)	2.2	2.2	2.2	
Performance Characteristics	Temperature Sensor	NTC	NTC	NTC	
	Power Consumption (kWh/24h)	2.2	2.48	2.48	
Dimensions	Capacity (L/Cu.Ft)	1030 / 36.4	1031/36.4	1031 / 36.4	
	Net/Gross Weight (approx)	(kg)	265/275	255/265	255/265
		(lbs)	584/606	562/584	562/584
	Interior Dimensions (W*D*H)	(mm)	1115*590*1670	1115*590*1670	1115*590*1670
		(in)	43.9*23.2*65.7	43.9*23.2*65.7	43.9*23.2*65.7
	Exterior Dimensions (W*D*H)	(mm)	1205*830*1990	1205*800*1990	1205*830*1990
		(in)	47.4*32.7*78.3	47.4*31.5*78.3	47.4*32.7*78.3
	Packing Dimensions (W*D*H)	(mm)	1310*925*2150	1310*925*2150	1310*925*2150
(in)		51.6*36.4*84.6	51.6*36.4*84.6	51.6*36.4*84.6	
Alarms	Container Load (20'/40'/40'H)	10/21/21	10/21/21	10/21/21	
	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	Y	Y	Y	
	Remote Alarm	Y	Y	Y	
	Audible and Visual Alarm	Y	Y	Y	
	Accessories	Caster	4	4	4
Foot		2	2	2	
Porthole		2	2	2	
Shelves/Drawers		14/-	14/-	14/-	
Printer		Optional	Optional	Optional	
Chart Recorder		N/A	N/A	N/A	
USB Interface		Standard	Optional	Optional	
RS485		Optional	Optional	Optional	
Electromagnetic Lock		Standard	N/A	N/A	
Plastic Basket		Optional	Optional	Optional	
Material		Exterior Material	Painted Steel	Painted Steel	Painted Steel
		Interior Material	Painted Steel	Painted Steel	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	12+2	12+2	12+2	
Others	Certification	CE, DIN13277 (Optional)	CE, DIN13277 (Optional)	CE, DIN13277 (Optional)	

Used for storage of medicines, vaccines, reagents, biological products and other items that require a temperature between 2-8° C in hospitals, pharmacies, pharmaceutical factories, clinics and laboratories etc.

Product Advantages



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



Hermetically sealed compressor, forced-air circulation with auto defrost to ensure superior cooling performance, temperature uniformity $\leq \pm 1.5^\circ\text{C}$; and a anti-freezing thermostat is available to protect store items from freezing



Optional USB module to easily record and export cabinet temperature and alarm data; optional RS485 port for effortless external connection; and optional printer to export cabinet temperature data



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



Convenient security with a top-mounted unique-key lock



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



HYC-461GD:
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
HYC-461FD:
Self-closing door hinge; Magnetic gaskets to ensure a positive seal



Energy efficient interior LED lighting, side-mounted to enlighten full space



A ϕ 25mm probe access port is standard on side wall to accept user-provided monitoring equipment



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



Microprocessor controller, digital display with 0.1°C resolution; easy to check the min/max temperature in the past 24 hours; password protect function is available to avoid unauthorized setting.



HYC-461GD

New Generation Pharmacy Refrigerator

Specifications

Model		HYC-461GD	HYC-461FD	
Technical Data	Cabinet Type	Upright, Glass Door	Upright, Solid Door	
	Climate Class	N, 16-32°C	N, 16-32°C	
	Cooling Type	Forced Air Cooling	Forced Air Cooling	
	Defrost Mode	Auto	Auto	
	Refrigerant	R600a	R600a	
	Sound Level (dB(A))	37	37	
Performance	Temperature Range (°C)	2-8	2-8	
Control	Controller	Microprocessor	Microprocessor	
	Display	LED	LED	
Electrical Data	Power Supply (V/Hz)	220-240/50	220-240/50	
	Power(W)	310	310	
	Electrical Current (A)	1.7	1.7	
Performance Characteristics	Temperature Sensor	NTC	NTC	
	Power Consumption (kWh/24h)	1.85	1.85	
Dimensions	Capacity (L/Cu.Ft)	461/16.3	461 / 16.3	
	Net/Gross Weight (approx)	kg	115/125	115/125
		lbs	254/276	254/276
	Interior Dimensions (W*D*H)	mm	500*590*1670	500*590*1670
		in	19.7*23.2*65.7	19.7*23.2*65.7
	Exterior Dimensions (W*D*H)	mm	595*800*1990	595*800*1990
		in	23.4*31.5*78.3	23.4*31.5*78.3
	Packing Dimensions (W*D*H)	mm	720*930*2100	720*930*2100
in		28.3*36.6*82.7	28.3*36.6*82.7	
Container Load (20'/40'/40'H)		18/37/37	18/37/37	
Alarms	High/Low Temperature	Y	Y	
	High Ambient Temperature	Y	Y	
	Door Ajar	Y	Y	
	Power Failure	Y	Y	
	Low Battery	Y	Y	
	Sensor Error	Y	Y	
	Communication Failure	Y	Y	
	Condenser Heat	Y	Y	
	Remote Alarm	Y	Y	
Accessories	Caster	4	4	
	Foot	2	2	
	Porthole	2	2	
	Shelves/Drawers	6/-	6/-	
	Printer	Optional	Optional	
	Chart Recorder	N/A	N/A	
	USB Interface	Optional	Optional	
	RS485	Optional	Optional	
	Electromagnetic Lock	N/A	N/A	
	Plastic Basket	Optional	Optional	
	Material	Exterior Material	Painted Steel	Painted Steel
Interior Material		Polystyrene	Polystyrene	
Door Thickness (mm)		50	50	
Cabinet Thickness (mm)		45	45	
Others	Certification	CE, DIN13277 (Optional)	CE, DIN13277 (Optional)	

Used for storage of medicines, vaccines, reagents, biological products and other items that require a temperature between 2-8°C in hospitals, pharmacies, pharmaceutical factories, clinics and laboratories etc.

Product Advantages



User reversible door hinge



HYC-85GD:
Intelligent anti-condensation: triple-paned tempered glass door with door frame heater, effectively reduces condensation even at 32°C, 80% RH ambient temperature
HYC-85FD:
CFC-free solid door, highly effective insulation



Excellent performance: temperature uniformity $\leq \pm 1^\circ\text{C}$ ①



Optional USB and RS485, easy to export temperature data



Quiet operation: 35dB (A)



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



Magnetic gasket for positive seal



Hermetically sealed compressor, forced-air circulation and automatic defrost to ensure high cooling performance



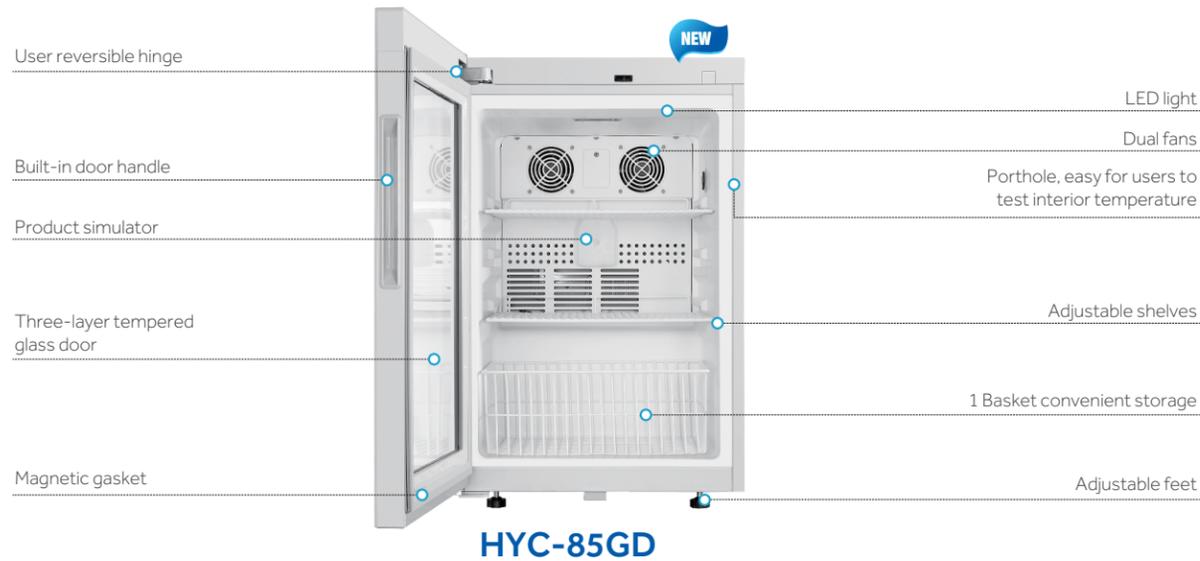
Multiple alarms for safer monitoring



Microprocessor controller, display with resolution of 0.1°C

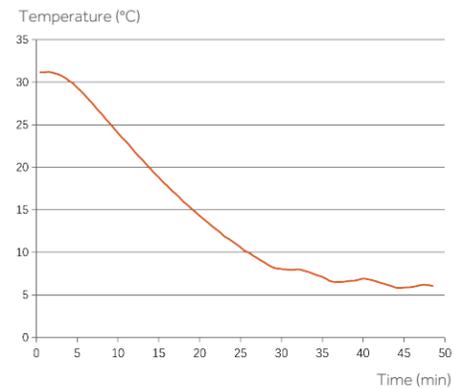
* ① Tested by TUV according to DIN13277

New Generation Pharmacy Refrigerator

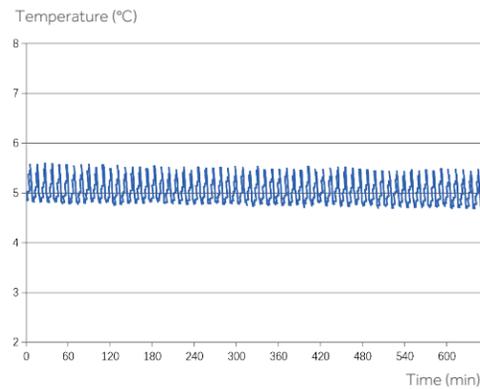


Cabinet Temperature

HYC-85GD
Cooling down (ambient 32°C)



HYC-85GD
Stability (ambient 25°C)



Specifications

	Model	HYC-85GD	HYC-85FD	
Technical Data	Cabinet Type	Counter-Top / Under-Counter, Glass Door	Counter-Top / Under-Counter, Solid Door	
	Climate Class (°C)	N, 16-32	N, 16-32	
	Cooling Type	Forced Air Cooling	Forced Air Cooling	
	Defrost Mode	Auto	Auto	
	Refrigerant	R600a	R600a	
	Sound Level (dB(A))	35	35	
Performance	Temperature Range (°C)	2-8	2-8	
Control	Will the fan stop automatically when opening the door	Y	Y	
	Controller	Microprocessor	Microprocessor	
Electrical Data	Display	LED	LED	
	Power Supply (V/Hz)	220-240/50	220-240/50	
Performance Characteristics	Electrical Current (A)	0.98	0.98	
	Temperature Sensor	NTC	NTC	
	Power Consumption (kWh/24h)	0.99	0.5	
	Capacity (L/Cu.Ft)	85/3.0	85/3.0	
Dimensions	Net/Gross Weight(approx)	kg	36 / 41	33 / 38
		lbs	79.4 / 90.4	72.8 / 83.9
	Interior Dimensions (W*D*H)	mm	405*405*555	405*405*555
		in	15.9*15.9*21.9	15.9*15.9*21.9
	Exterior Dimensions (W*D*H)	mm	495*550*740	495*550*740
		in	19.5*21.7*29.1	19.5*21.7*29.1
Packing Dimensions (W*D*H)	mm	590*650*830	590*650*830	
	in	23.2*25.6*32.7	23.2*25.6*32.7	
Alarms	Container Load (20'/40'/40'H)	54/120/180	54/120/180	
	High/Low Temperature	Y	Y	
	High Ambient Temperature	Y	Y	
	Door Ajar	Y	Y	
	Power Failure	Y	Y	
	Low Battery	Y	Y	
	Sensor Error	Y	Y	
	Communication Failure	Y	Y	
	Condenser Heat	N	N	
	Remote Alarm	Y	Y	
	Audible and Visual Alarm	Y	Y	
	Accessories	Caster	2	2
		Foot	2	2
Porthole		1	1	
Shelves/Basket		2/1	2/1	
Printer		N/A	N/A	
Chart Recorder		N/A	N/A	
USB Interface		Optional	Optional	
Material	RS485	Optional	Optional	
	Exterior Material	Painted Steel	Painted Steel	
	Interior Material	Polystyrene	Polystyrene	
	Door Thickness (mm)	50	50	
	Cabinet Thickness (mm)	45	45	
	Shelves Material	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic	
Other	Refrigerant Model	R600a, 45g	R600a, 45g	
	Certification	CE, UKCA, DIN13277 (Optional)	CE, UKCA, DIN13277 (Optional)	

RFID Refrigerator

Smart Management of Medicine and Reagents Starts with IoT Technology

Perform statistical analysis of market data and medicine or reagents usage to report on market trends providing highly useful feedback to production and sales.



HYC-509R



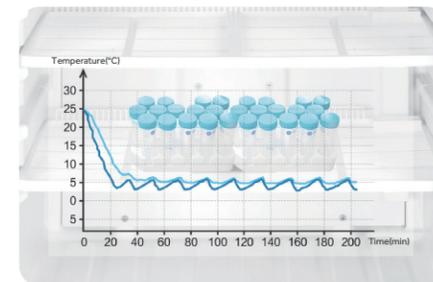
Smart IoT System Makes Storage Management Simple, Precise and Effective

RFID based smart IoT management system permits automatic management of stored products are automatically



Authorized Management for Material Flow at Controllable Risk

NFC authorized management system is traceable.

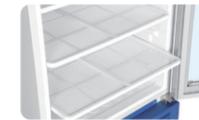


Precise Temperature Control Ultimate Safety of Test Reagents

2°C - 8°C storage temperature,real-time monitoring of cabinet temperature



Smart RFID label



Smart RFID shelf



Industrial-grade IoT Network Module Group



Statistical Analysis of Test Data, Precise Verification and Scientific Instruction

Drug number	Name	Expiry date	Quantity
SL19004	重组人干扰素α2b注射液 (重组)	2020/01	4
SL19016	人粒细胞集落刺激因子注射液 (重组)	2020/12	1
SL19015	重组人干扰素α2b注射液 (重组)	2020/01	2
SL19010	重组人干扰素α2b注射液 (重组)	2020/01	3
SL19018	重组人干扰素α2b注射液 (重组)	2020/02	1

Intelligent Accurate Recording

Intelligent touch screen for quick check of warehouse in-and-out records



Manage Market Data to Support Scientific Production Scheduling

Perform statistical analysis of market data and medicine or reagents usage to report on market trends providing highly useful feedback to production and sales.



Effective Management of Sales Channels

Sales channels can provide timely feedback information to improve shipping, refilling, dispatching and inventory control, to provide continuity on supply and to optimize inventory level.



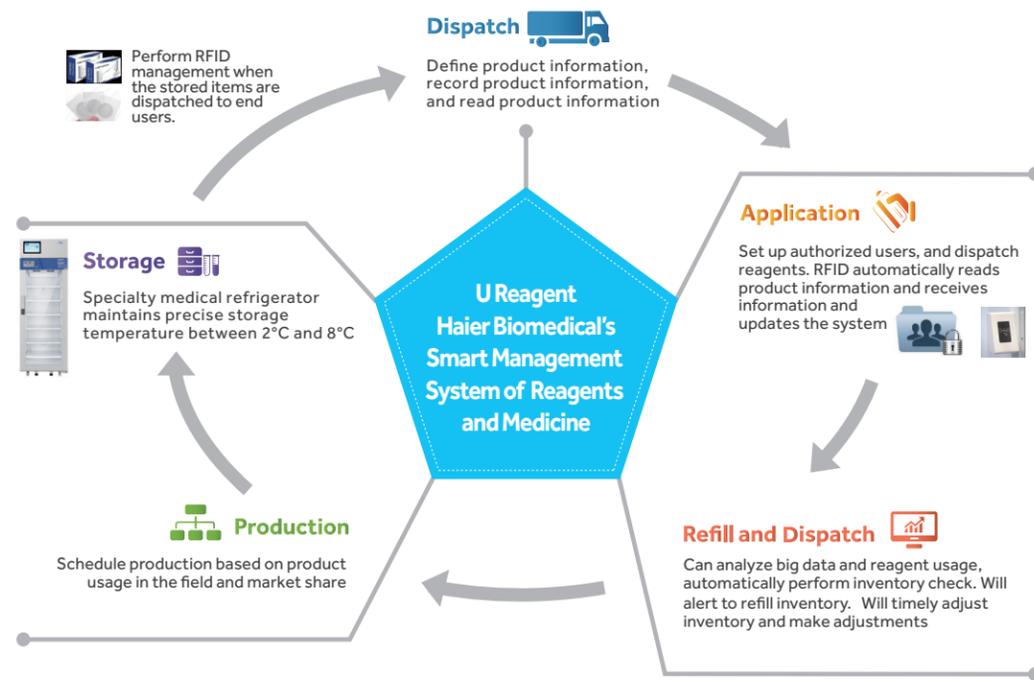
Reagent Handling Process is Traceable and Controllable

Shipping and receiving processes of reagents are automatically monitored and controlled for authorized users. Every box of reagents is traceable.

RFID Refrigerator

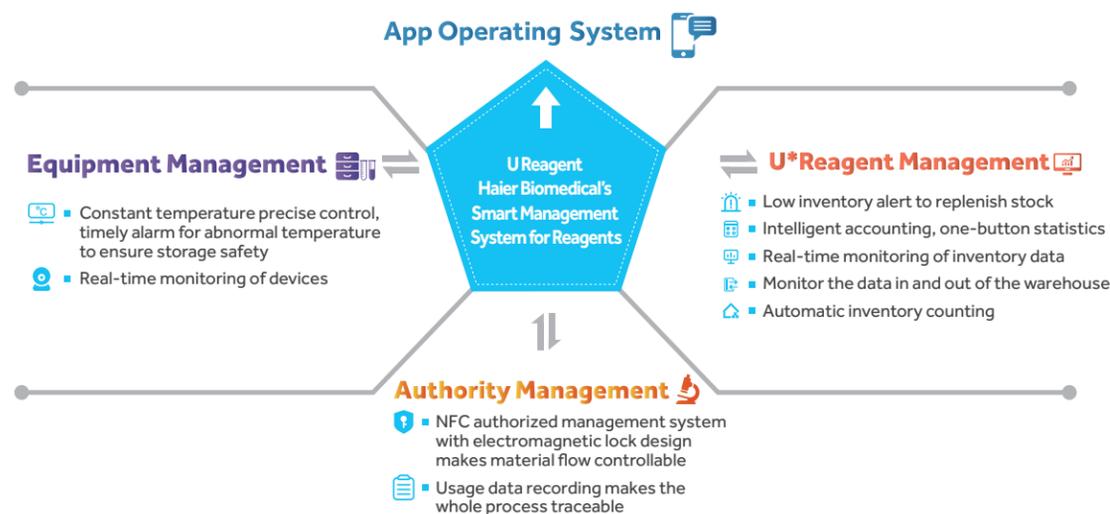
Smart Management of Products

(It is suitable for manufacturing industry)



From storage to use, the entire process is automatically and smartly controlled

(It is suitable for pharmaceutical factories, laboratories and hospitals)



Product Specification

	Model	HYC-509R	
Technical Data	Cabinet Type	Upright, Single Glass Door	
	Climate Class	N	
	Cooling Type	Forced Air Cooling	
	Defrost Mode	Auto	
	Refrigerant	R600a	
	Sound Level (dB(A))	40	
Performance	Temperature Range (°C)	2-8	
Control	Controller	Microprocessor	
	Display	Touchscreen + LED	
Electrical Data	Power Supply (V/Hz)	220-240/50/60	
	Electrical Current (A)	2	
	Power Consumption (kWh/day)	6	
Dimensions	Capacity (L/Cu.Ft)	509/17.97	
	Net/Gross Weight (approx)	(kg)	180/215
		(lbs)	396/473
	Interior Dimensions (W*D*H)	(mm)	593*585*1500
		(in)	23.21*22.9*58.8
	Exterior Dimensions (W*D*H)	(mm)	693*813*1981
		(in)	27.1*31.9*77.7
	Packing Dimensions (W*D*H)	(mm)	835*915*2170
(in)		32.9*36.0*85.4	
Container Load (20'/40'/40'H)		14/28/28	
Alarms	High/Low Temperature	Y	
	High Ambient Temperature	Y	
	Remote Alarm	Y	
	Power Failure	Y	
	Low Battery	Y	
	Door Ajar	Y	
Accessories	Caster	Y	
	Foot	Y	
	Porthole	Y	
	Shelves/Drawers	6	
	USB Interface	Y	
Others	Certification	CE	

Advanced Pharmacy Refrigerator with Touchscreen

Advanced Pharmacy Refrigerator with LED Display



HYC-1099TF

HYC-509T

HYC-1099T

HYC-509TF



HYC-1099F

HYC-509

HYC-1099

HYC-509F

Product Advantages

-  Microprocessor controller, 7-inch touch screen, easy to check the cabinet temperature graph, alarm & event records and other information; authority management is standard to avoid unauthorized access or incorrect settings
-  Excellent cooling performance, temperature uniformity $\leq \pm 2^\circ\text{C}$; anti-freezing thermostat is equipped as standard, DIN13277 compliance
-  Double-paned tempered glass door with electronic heater to reduce condensation even at 32°C , 80% RH ambient; self-closing door hinge with 90° stop; magnetic gaskets to ensure a positive seal (Solid door type is also available upon request)
-  Electromagnetic lock is standard to avoid unauthorized access
-  Energy efficient interior LED lighting
-  Standard USB module to conveniently record and export cabinet temperature and alarm data; standard RS485 port and remote alarm contact for efficient external connection; optional printer to export cabinet temperature data
-  Eco-friendly hydrocarbon refrigerant (R600a) and CFC-free polyurethane insulation for reduced global warming
-  Hermetically sealed compressor, forced-air circulation with auto defrost to ensure high cooling performance
-  Multiple alarm functions for safer monitoring, audible/visual alert with mute function; remote alarm contact is equipped as standard
-  Adjustable plastic-coated wire shelves for improved circulation and flexible storage; fully extendable ABS drawer with divider is optional
-  25mm probe access port on side wall to accept user-provided monitoring equipment
-  4 universal casters with 2 leveling feet

Product Advantages

-  Double-paned tempered glass door with electronic heater to reduce condensation even at 32°C , 80% RH ambient; self-closing door hinge with 90° stop; magnetic gaskets to ensure a positive seal
-  Microprocessor controller, digital display with 0.1°C resolution; easy to check the min/max temperature in the past 24 hours
-  Adjustable plastic-coated wire shelves for improved circulation and flexible storage; fully extendable ABS drawer with divider is optional
-  Convenient security with a top-mounted unique-key lock; electromagnetic lock is optional to avoid unauthorized access
-  Eco-friendly hydrocarbon refrigerant (R600a) and CFC-free polyurethane insulation for reduced global warming
-  Energy efficient interior LED lighting
-  Standard USB module to conveniently record and export cabinet temperature and alarm data; Standard RS485 port and remote alarm contact for efficient external connection; optional printer to export cabinet temperature data
-  Multiple alarm functions for safer monitoring, audible/visual alert with mute function; remote alarm contact is equipped as standard
-  Excellent cooling performance, temperature uniformity $\leq \pm 2^\circ\text{C}$; anti-freezing thermostat is equipped as standard, DIN13277 compliance
-  Hermetically sealed compressor, forced-air circulation with auto defrost to ensure high cooling performance
-  25mm probe access port on side wall to accept user-provided monitoring equipment
-  4 universal casters with 2 leveling feet

Advanced Pharmacy Refrigerator with Touchscreen

Advanced Pharmacy Refrigerator with LED Display

Specifications



Model	HYC-509T	HYC-509TF	HYC-1099T	HYC-1099TF	HYC-509	HYC-509F	HYC-1099	HYC-1099F		
Technical Data	Cabinet Type		Upright, Single Glass Door	Upright, Single Solid Door	Upright, Double Glass Door	Upright, Double Solid Door	Upright, Single Glass Door	Upright, Single Solid Door	Upright, Double Glass Door	Upright, Double Solid Door
	Climate Class		N	N	N	N	N	N	N	N
	Cooling Type		Forced Air Cooling							
	Defrost Mode		Auto							
	Refrigerant		R600a							
	Sound Level (dB(A))		40	40	43	43	40	40	43	43
Performance	Temperature Range (°C)		2-8	2-8	2-8	2-8	2-8	2-8	2-8	2-8
Control	Will the fan stop automatically when opening the door		Y	Y	Y	Y	Y	Y	Y	Y
	Controller		Microprocessor							
	Display		Touchscreen	Touchscreen	Touchscreen	Touchscreen	LED	LED	LED	LED
Electrical Data	Power Supply (V/Hz)		220-240/50/60	220-240/50/60	220-240/50/60	220-240/50/60	220-240/50/60	220-240/50/60	220-240/50/60	220-240/50/60
	Electrical Current (A)		1.85	1.75	2.5	2.25	1.85	1.75	2.5	2.25
Performance Characteristics	Temperature Sensor		PT100 + NTC							
	Power Consumption(kWh/24h)		5.9	5.3	6.8	6	5.9	5.3	6.8	6
Dimensions	Capacity (L/Cu.Ft)		509/17.97	509/17.97	1099/38.5	1099/38.5	509/17.97	509/17.97	1099/38.5	1099/38.5
	Net/Gross Weight (approx)	kg	180/215	175/210	340/400	330/390	180/215	175/210	340/400	330/390
		lbs	396/473	385/462	748/1000	726/858	396/473	385/462	748/1000	726/858
	Interior Dimensions (W*D*H)	mm	593*585*1500	593*585*1500	1295*585*1500	1295*585*1500	593*585*1500	593*585*1500	1295*585*1500	1295*585*1500
		in	23.21*22.9*58.8	23.21*22.9*58.8	50.7*22.9*58.8	50.7*22.9*58.8	23.21*22.9*58.8	23.21*22.9*58.8	50.7*22.9*58.8	50.7*22.9*58.8
	Exterior Dimensions (W*D*H)	mm	693*813*1981	693*813*1981	1395*813*1981	1395*813*1981	693*813*1981	693*813*1981	1395*813*1981	1395*813*1981
		in	27.1*31.9*77.7	27.1*31.9*77.7	54.7*31.9*77.7	54.7*31.9*77.7	27.1*31.9*77.7	27.1*31.9*77.7	54.7*31.9*77.7	54.7*31.9*77.7
	Packing Dimensions (W*D*H)	mm	835*915*2170	835*915*2170	1550*895*2100	1550*895*2100	835*915*2170	835*915*2170	1550*895*2100	1550*895*2100
		in	32.9*36.0*85.4	32.9*36.0*85.4	61.0*35.3*82.7	61.0*35.3*82.7	32.9*36.0*85.4	32.9*36.0*85.4	61.0*35.3*82.7	61.0*35.3*82.7
	Container Load (20'/40'/40'H)		14/28/28	14/28/28	7/15/15	7/15/15	14/28/28	14/28/28	7/15/15	7/15/15
Alarms	High/Low Temperature		Y	Y	Y	Y	Y	Y	Y	Y
	High Ambient Temperature		Y	Y	Y	Y	Y	Y	Y	Y
	Door Ajar		Y	Y	Y	Y	Y	Y	Y	Y
	Power Failure		Y	Y	Y	Y	Y	Y	Y	Y
	Low Battery		Y	Y	Y	Y	Y	Y	Y	Y
	Sensor Error		Y	Y	Y	Y	Y	Y	Y	Y
	Communication Failure		Y	Y	Y	Y	Y	Y	Y	Y
	Remote Alarm		Y	Y	Y	Y	Y	Y	Y	Y
	Audible and Visual Alarm		Y	Y	Y	Y	Y	Y	Y	Y
Accessories	Condenser Overheat		Y	Y	Y	Y	Y	Y	Y	Y
	Caster		Y	Y	Y	Y	Y	Y	Y	Y
	Foot		Y	Y	Y	Y	Y	Y	Y	Y
	Porthole		Y	Y	Y	Y	Y	Y	Y	Y
	Test Hole		Y	Y	Y	Y	6/Optional	6/Optional	12/Optional	12/Optional
	Shelves/Drawers		6/Optional	6/Optional	12/Optional	12/Optional	Steel Wire Dipping Plastic	Steel Wire Dipping Plastic	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic
	Drawer Material		Steel Wire Dipping Plastic	Steel Wire Dipping Plastic	Steel Wire, Coated with Plastic	Steel Wire, Coated with Plastic	Y	Y	Y	Y
	USB Interface		Y	Y	Y	Y	Y	Y	Y	Y
Material	Exterior Material		Painted Steel							
	Interior Material		Painted Steel; Optional Stainless Steel							
	Door Thickness (mm)		50	50	50	50	50	50	50	50
	Cabinet Thickness (mm)		Left and Right 50 Up and Down 70	Left and Right 50 Up and Down 70	Left and Right 50 Up and Down 70	Left and Right 50 Up and Down 70	Left and Right 50 Up and Down 70	Left and Right 50 Up and Down 70	Left and Right 50 Up and Down 70	Left and Right 50 Up and Down 70
	Shelves Material		Steel Wire, Coated with Plastic							
	No. of Shelves		6	6	12	12	6	6	12	12
Others	Certification		CE, UKCA, DIN13277 (Optional)	CE, UKCA, DIN13277 (Optional)	CE, UKCA	CE, UKCA	CE, UKCA, DIN13277 (Optional)	CE, UKCA, DIN13277 (Optional)	CE, UKCA	CE, UKCA

Standard Pharmacy Refrigerator

The product is used to store biological drugs and items at a temperature of 2-8°C. Typically used within pharmacy, pharma production, public health, hospitals and other life science laboratories.



HYC-309



Superior performance

- Microcomputer controller, display/control accuracy 0.1°C
- Temperature range 2-8°C, temperature uniformity $\pm 2^\circ\text{C}$
- Energy-efficient conversion compressors and non-toxic, environmentally-friendly hydrocarbon refrigerant
- Self-closing door design
- Electrically heated glass door prevents condensation
- Multiple interface options - USB, RS485 and printer

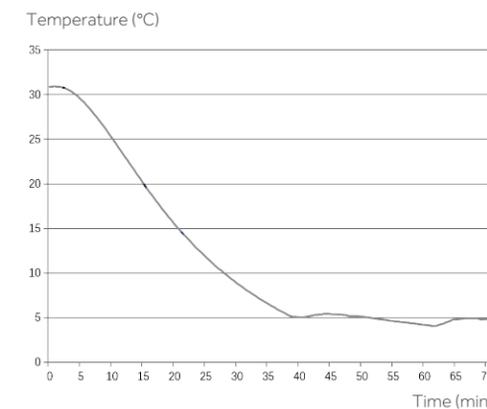


Safe and reliable

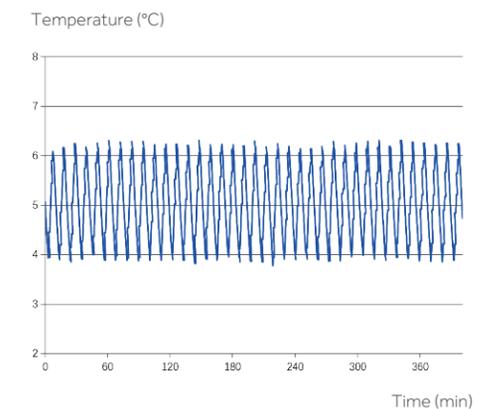
- Key lock and provision for padlock to ensure safe and secure product storage
- Multiple alarms: High/Low temperature alarm, high ambient temperature alarm, door ajar alarm, power failure, low battery, sensor error, comms error and remote alarm contacts
- Alarm mode: Audible/visual and remote alarm with battery back-up which continuously alarms for up to 48 hours in the event of a power failure

Temperature Curve

HYC-309
Cooling down (ambient 32°C)



HYC-309
Stability (ambient 25°C)



Standard Pharmacy Refrigerator

New and improved Haier Biomedical pharmacy refrigerators now offer an improved temperature profile and more user-friendly control features.



HYC-390



Technical Advantages

- Accurate temperature control maintains 2°C to 8°C throughout the unit with an adjustable increment at 0.1°C
- Improved user interface includes a data storage capacity of up to 10 years
- Oversized air-cooled condenser improves the robustness of the refrigeration system, reliability and refrigeration efficiency



Ergonomic Design

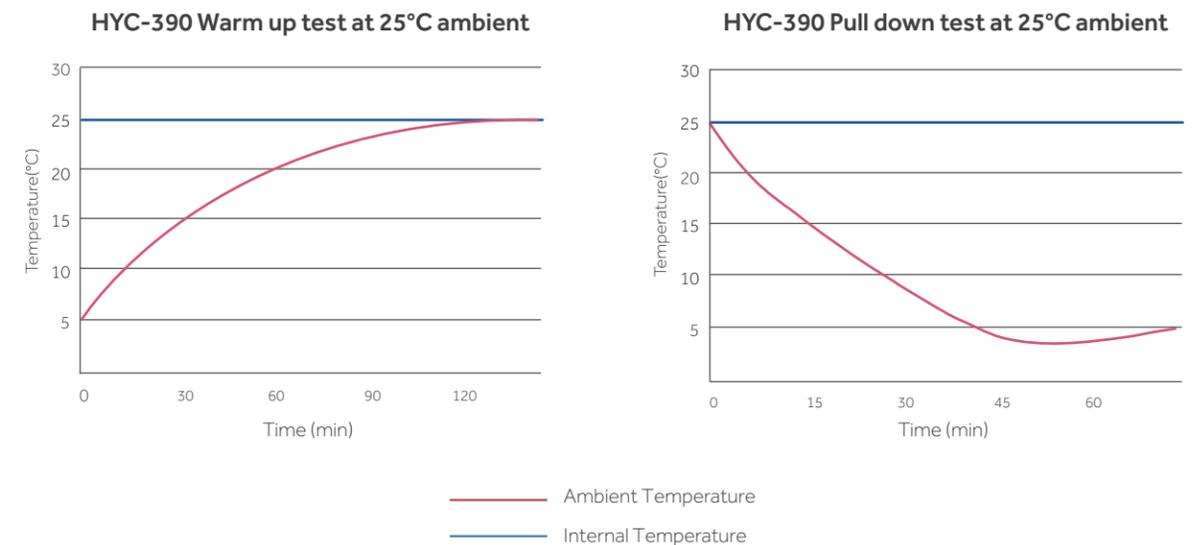
- The temperature data of the newly improved storage management system is downloadable from the USB port
- Traceability of temperature data
- Heated double-pane glass door allows a clear view of stored products without condensation at 32°C and 85% relative humidity ambient conditions
- LED interior light saves energy and provides bright lighting of interior for easy product location and identification
- Shelves with label holders meet demands required for quick and effective product archiving and retrieving



Safety

- Microprocessor control with digital display
- Temperature uniformity within 3°C
- Malfunction alarms include high/low temperature, door ajar, sensor error, power failure, low battery and remote alarm interface

Temperature Curve



Used for storage of biological products, vaccines, drugs, reagents, etc., the unit is widely used in pharmacies, pharmaceutical factories, hospitals, CDC, laboratories as key examples.



HYC-410



Superior Performance

- Microcomputer controller, LED temperature display, accuracy 0.1°C
- Fin type evaporator and double fan system, temperature uniformity $\pm 2^{\circ}\text{C}$
- R600a hydrocarbon refrigerant, LBA foaming agent, energy saving and environmental protection
- Optimized system and structure design, noise down to 41 dB(A)
- Panoramic glass door, LED lighting, goods are clear at a glance
- Heated door to prevent condensation
- Standard with 1 test hole, convenient for user to test interior temperature



Safe

- Equipped with built-in lock and security latch to accommodate a padlock, ensuring safe and reliable storage
- Multiple alarms: High and low temperature, sensor error, power failure, low battery, door ajar, high ambient temperature and communication fault alarm
- Alarm mode: audible buzzer and flashing light, remote alarm. The alarm will continue for 24 hours after power failure

Product Details

Material:

HIPS adsorption liner, sprayed steel case



Shelves:

Standard with 6 shelves



Caster and foot:

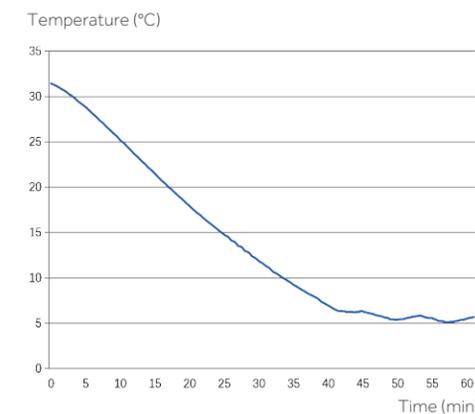
Standard equipped with 4 universal casters and 2 adjustable feet, the refrigerator is easy to move and stabilize

HYC-410

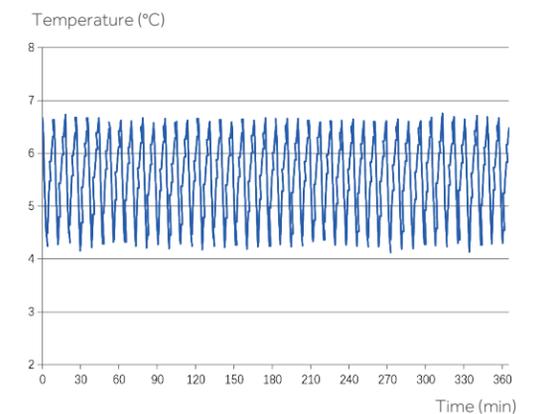
*Optional: USB, printer, RS485/232 interface

Product Performance

HYC-410 Cooling down (ambient 32°C)



HYC-410 Stability (ambient 25°C)



Standard Pharmacy Refrigerator

The product is applicable to pharmacies, pharmaceutical factories, quarantine stations, health centers and hospitals, used to store biological products and those need to be stored at a temperature between 2-8°C.



220V/50HZ

115V/60HZ

HYC-639



Energy saving

70mm thick foam layer, optimized refrigeration system, low power consumption, less than 6 kWh per day



Low noise

Optimized system and structure noise reduction design



Environmentally-friendly

Hydrocarbon refrigerant, truly completely environmental protection refrigeration system. Polyurethane insulation layer, the whole series adopts European ROHS directive materials, for environmental protection



Multi-channel sensor, reliable and safe

Equipped with upper display sensor, lower display sensor, defrosting sensor, control sensor, ambient temperature sensor, condenser dirty sensor

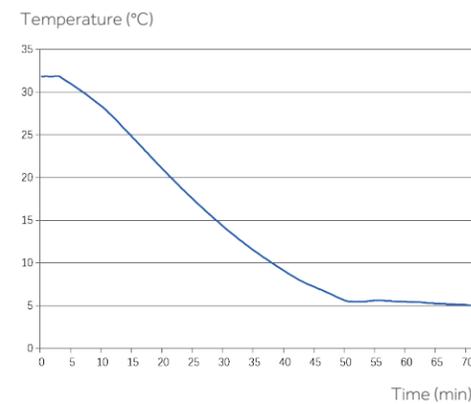


Better uniformity

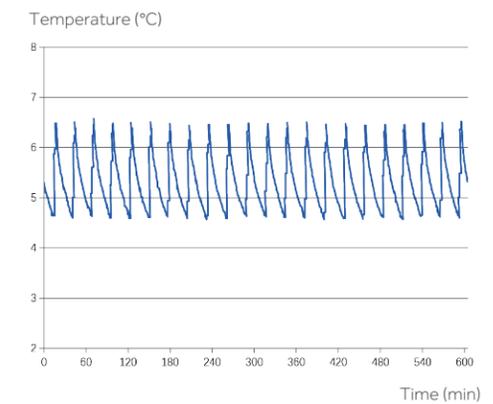
Finned evaporator, double fan system. The temperature is more uniform, the characteristic point temperature uniformity is $\pm 2^{\circ}\text{C}$

Typical Performance Characteristics in 32°C Ambient Temp

HYC-639
Cooling down (ambient 32°C)



HYC-639
Stability (ambient 25°C)



Standard Pharmacy Refrigerator



Microprocessor control system:

Microcomputer electronic temperature controller, LED temperature display, the display accuracy is 0.1°C

Multiple alarm functions, such as high temperature alarm, low temperature alarm, sensor error alarm, power failure alarm, low battery alarm, door ajar, condenser dirty alarm, high ambient temperature alarm as key examples.

Audio and visual alarm. The equipment can be connected to the remote alarm interface



Insulation

70mm-thick foam insulation layer to provide better insulation



Porthole

Standard equipped with a porthole to facilitate the user to test interior temperature



Security lock

Equipped with safety lock, safe storage of drugs



Temperature recorder

Standard equipped with USB port, the printer and RS485 interface are optional



Material

The inner liner is equipped with spraying steel plate for easy cleaning



Casters and levelling leg design

Standard equipped with 4 universal casters and 2 adjustable feet to move and stabilize the equipment



Shelves

Standard equipped with 4 shelves

Specifications

	Model	HYC-639	
Technical Data	Cabinet Type	Upright, Single Door	
	Climate Class	ST	
	Cooling Type	Forced Air Cooling	
	Defrost Mode	Auto	
	Refrigerant	R600a	
	Sound Level (dB(A))	43	
Performance	Temperature Range (°C)	2-8	
Control	Will the fan stop automatically when opening the door	Y	
	Controller	Microprocessor	
	Display	LED	
Electrical Data	Power Supply (V/Hz)	220-240/50	
	Electrical Current (A)	2.15	
Performance Characteristics	Temperature Sensor	NTC	
	Power Consumption (kWh/24h)	6	
Dimensions	Capacity (L/Cu.Ft)	639/22.6	
	Net/Gross Weight (approx)	(kg)	200/240
		(lbs)	551.15/639.33
	Interior Dimension (W*D*H)	(mm)	620*706*1520
		(in)	24.4*27.8*59.8
	Exterior Dimension (W*D*H)	(mm)	760*897*1993
		(in)	29.9*35.3*78.5
	Packing Dimension (W*D*H)	(mm)	910*1030*2170
		(in)	35.8*40.6*85.4
	Container Load (20'/40'/40'H)		12/24/24
Alarms	High/Low Temperature	Y	
	Remote Alarm	Y	
	Power Failure	Y	
	Sensor Error	Y	
	Low Battery	Y	
	Door Ajar	Y	
	Audible and Visual Alarm	Y	
	Caster	Y/4	
Accessories	Foot	Y/2	
	Porthole	Y	
	Shelves/Drawers	4/-	
	USB Interface	Y	
	Printer	Optional	
Material	Chart Recorder*	Optional	
	Exterior Material	Painted Steel	
	Interior Material	Painted Steel, Optional Stainless Steel	
	Door Thickness (mm)	30	
	Cabinet Thickness (mm)	70	
	Shelves Material	Steel Wire, Coated with Plastic	
Other	No. of Shelves	4	
	Certificate	CE, UKCA	

*The Chart recorder is equipped with 1 box of recording paper (52 sheets, one sheet per week)

Standard Pharmacy Refrigerator

The Haier Biomedical pharmacy refrigerators are suitable for pharmacies, drug stores, pharmaceutical companies, hospitals, clinics and other pharmaceutical storage areas such as storage and logistics.



HYC-1378



Durable and Reliable - Key Features

- Energy efficient hydrocarbon (HC) refrigeration system
- Permanently lubricated cooling fan for safety and longevity
- Forced-air cooling with optimized air distribution system designed to achieve maximum temperature uniformity and stability
- Optimized refrigeration system design for more effective cooling and speedy recovery
- Temperature uniformity within $\pm 2^{\circ}\text{C}$
- Chamber temperature range $2\text{-}8^{\circ}\text{C}$
- Microprocessor control with large digital display. Adjustable temperature with an increment of 0.1°C
- Wide voltage tolerance suitable for regions with an unstable voltage supply
- Designed for ambient temperature $10^{\circ}\text{C}\text{-}32^{\circ}\text{C}$ with humidity below 85%



Safety

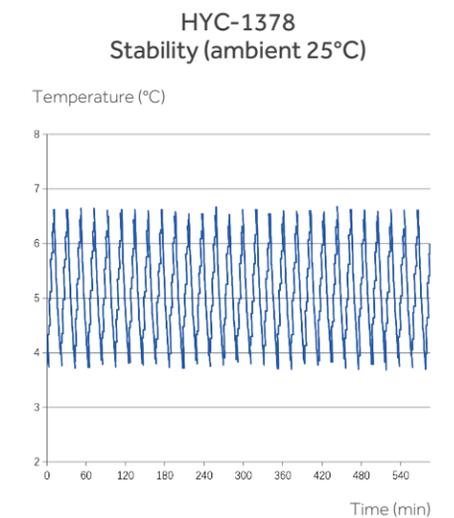
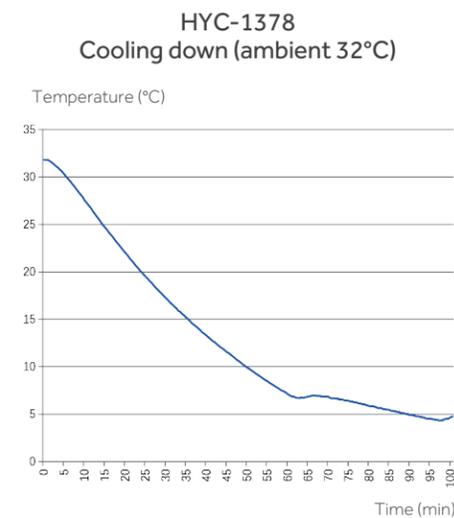
- Equipped with a complete temperature alarm system featuring audible buzzer and visible flashing light
- Capable of alerting failures due to high or low temperature, sensor error, door ajar, remote alarm, power failure and low battery



Ergonomic Design

- Optimized space utilization design with multi-level and adjustable shelf height to accommodate the different storage requirements of varied sized pharmaceutical products.
- Safety lock to prevent unauthorized access
- Caster design and levelling feet
- Interior light

Product Performance



Standard Pharmacy Refrigerator

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Specifications



Model		HYC-390F		HYC-610		HYC-290		HYC-309		HYC-390		HYC-410		
Technical Data	Cabinet Type	Upright, Single door		Upright, Single Door										
	Climate Class	N		N		ST		N		N		N		
	Cooling Type	Forced Air Cooling		Forced Air Cooling										
	Defrost Mode	Auto		Auto										
	Refrigerant	R600a		R600a										
	Sound Level (dB(A))	43		43	45	43		41		43		41		
Performance	Temperature Range (°C)	2-8		2-8		2-8		2-8		2-8		2-8		
Control	Will the fan stop automatically when opening the door	Y		Y		Y		Y		Y		Y		
	Controller	Microprocessor		Microprocessor										
	Display	LED		LED										
Electrical Data	Power Supply (V/Hz)	220-240/50/60	115/60	220-240/50/60	115/60	220-240/50/60	115/60	220-240/50/60	220-240/50/60	115/60	220-240/50/60	115/60	220-240/50/60	
	Electrical Current (A)	1	1.5	3	6.2	1.8	2.2	1.9	1.8	2.4	2.0	2.0	2.0	
Performance Characteristics	Temperature Sensor	Digital Sensor		Digital Sensor		Digital Sensor		NTC		Digital Sensor		NTC		
	Power Consumption (kWh/24h)	1.5	2.5	6.6	5.5	4.4	5.1	4.5	4.5	4.3	5.5	5.5	5.5	
Dimensions	Capacity (L/Cu.Ft)	390/13.8		610/21.6		290/10.2		309/10.9		390/13.8		410/14.5		
	Net/Gross Weight (approx)	(kg)	106/129		204/227		105/127		77/87		116/139		116/139	
		(lbs)	233.8/284.5		449.7/500.4		231.6/280.1		170/192		255.8/306.6		255.7/306.4	
	Interior Dimension (W*D*H)	(mm)	530*555*1380		680*640*1400		530*555*1080		525*500*1290		530*555*1380		530*590*1380	
		(in)	20.9*21.9*54.3		26.8*25.2*55.1		20.9*21.9*42.5		20.7*19.7*50.8		20.9*21.9*54.3		20.9*22.8*54.3	
	Exterior Dimension (W*D*H)	(mm)	665*710*1965		780*840*1945		665*710*1665		600*630*1840		665*710*1965		665*710*1965	
		(in)	26.2*28.0*77.4		30.7*33.1*76.6		26.2*28.0*65.6		23.6*24.8*72.4		26.2*28.0*77.4		26.2*28.0*77.4	
	Packing Dimension (W*D*H)	(mm)	710*810*2130		885*965*2110		700*810*1810		680*690*1940		710*810*2130		710*810*2130	
(in)		27.6*31.9*83.9		34.8*38.0*83.1		27.6*31.9*71.3		26.8*27.1*74.4		27.6*31.9*83.9		27.6*31.9*83.9		
Container Load (20'/40'/40'H)	22/44/44		12/26/26		22/44/44		24/51/51		22/44/44		22/44/44			
Alarms	High/Low Temperature	Y		Y		Y		Y		Y		Y		
	Remote Alarm	Y		Y		Y		Y		Y		Y		
	Power Failure	Y		Y		Y		Y		Y		Y		
	Sensor Error	Y		Y		Y		Y		Y		Y		
	Low Battery	Y		Y		Y		Y		Y		Y		
	Door Ajar	Y		Y		Y		Y		Y		Y		
	Audible and Visual Alarm	Y		Y		Y		Y		Y		Y		
Accessories	Caster	Y		Y		Y		Y		Y		4		
	Foot	Y		Y		Y		Y		Y		2		
	Porthole	Y		Y		Y		Y		Y		Y		
	Shelves/Drawers	7/-		6/-		5/-		6/-		7/-		6/-		
	USB Interface	Optional	Y	Optional		Optional	Y	Optional	Optional	Y	Optional	Optional	Optional	
Printer	Optional		/		Optional		Optional		Optional		Optional			
Material	Exterior Material	Painted Steel		Painted Steel										
	Interior Material	Polystyrene		Stainless Steel		Polystyrene		Polystyrene		Polystyrene		Polystyrene		
	Door Thickness (mm)	40		40		40		40		40		45		
	Cabinet Thickness (mm)	40		50		40		38		40		40		
	Shelves Material	Steel Wire, Coated with Plastic		Steel Wire, Coated with Plastic										
	No. of Shelves	7		6		5		5		7		6		
Other	Certificate	CE	UL	CE	UL	CE	UL	CE, UKCA	CE	UL	CE, ENERGY STAR	CE, ENERGY STAR		

Standard Pharmacy Refrigerator

Specifications



Model		HYC-940		HYC-940F		HYC-1378		
Technical Data	Cabinet Type	Upright, Double Glass Door		Upright, Double Solid Door		Upright, Double Door		
	Climate Class	N		N		N		
	Cooling Type	Forced Air Cooling		Forced Air Cooling		Forced Air Cooling		
	Defrost Mode	Auto		Auto		Auto		
	Refrigerant	R290		R290		R290		
	Sound Level (dB(A))	43	45	43	43	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)	220-240/50/60	115/60	220-240/50/60	220-240/50/60	115/60		
	Electrical Current (A)	3.5	7.5	2.7	3	7.5		
Performance Characteristics	Temperature Sensor	NTC		NTC		NCT		
	Power Consumption (kWh/24h)	11		11		11	12.47	
Dimensions	Capacity (L/Cu.Ft)	890/31.4		890/31.4		1378/48.7		
	Net/Gross Weight (approx)	(kg)	227/279		207/259		310/360	
		(lbs)	500.4/615.1		456.4/571.1		683.4/793.7	
	Interior Dimension (W*D*H)	(mm)	1030*590*1425		1030*590*1425		1320*700*1500	
		(in)	40.6*23.2*56.1		40.6*23.2*56.1		52.0*27.6*59.1	
	Exterior Dimension (W*D*H)	(mm)	1130*755*1980		1130*755*1980		1440*950*1980	
		(in)	44.5*29.7*78.0		44.5*29.7*78.0		56.7*37.4*78.0	
	Packing Dimension (W*D*H)	(mm)	1250*850*2170		1250*850*2170		1620*1040*2140	
(in)		49.2*33.5*85.4		49.2*33.5*85.4		63.8*41.0*84.3		
	Container Load (20'/40'/40'H)	10/22/22		10/22/22		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	12/-		12/-		12/-		
	USB Interface	Optional		Optional		Y		
	Printer	Optional		Optional		Optional		
	Chart Recorder	N/A		N/A		Optional		
Material	Exterior Material	Painted Steel		Painted Steel		Painted Steel		
	Interior Material	Painted Steel		Painted Steel		Painted Steel		
Other	Certificate	CE	UL	CE	CE	UL		

Under-Counter Pharmacy Refrigerator

Easy to Install, Ergonomic and Reliable

Haier Biomedical are pioneers in under-counter pharmacy refrigerator design and manufacturing, offering ultra-low noise system, safety lock, complete alarm system for sample safety and protection.



HYC-118

HYC-118A



Reliability and Key Features

- Energy efficient hydrocarbon (HC) refrigeration system
- Permanently lubricated cooling fan for safety and longevity
- Forced-air cooling with optimized air distribution system designed to achieve maximum temperature uniformity and stability
- Optimized refrigeration system design for more effective cooling and speedy recovery
- Temperature uniformity within $\pm 3^{\circ}\text{C}$
- Chamber temperature range $2\text{--}8^{\circ}\text{C}$
- Microprocessor control, digital display and temperature adjustment with an increment of 0.1°C
- Designed for ambient temperature $10\text{--}32^{\circ}\text{C}$ with humidity below 70%



Safety

- Equipped with a complete temperature alarm system featuring audible buzzer and visual flashing light
- Capable of alerting failures due to high and low temperature, sensor error, door ajar, power failure, and remote alarm interface

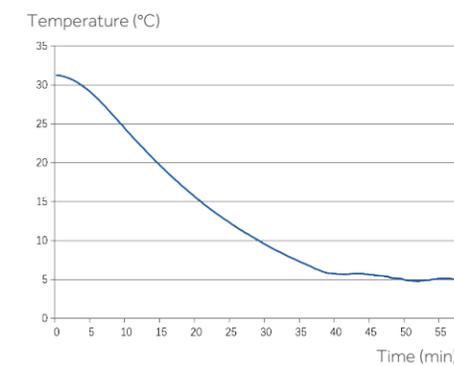


Ergonomic Design

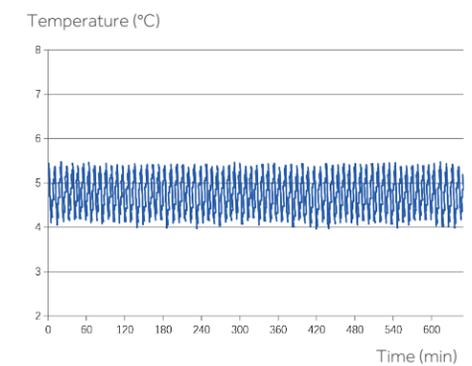
- Interior LED light
- Safety lock to prevent unauthorized access

Product Performance

HYC-118A
Cooling down (ambient 32°C)



HYC-118A
Stability (ambient 25°C)



Under-Counter Pharmacy Refrigerator

Specifications



Model		HYC-68		HYC-68A		HYC-118		HYC-118A		
Technical Data	Cabinet Type	Upright, Solid Door		Upright, Glass Door		Upright, Solid Door		Upright, Glass Door		
	Climate Class	N		N		N		N		
	Cooling Type	Forced Air Cooling								
	Defrost Mode	Auto		Auto		Auto		Auto		
	Refrigerant	R600a		R600a		R600a		R600a		
	Sound Level (dB(A))	41		41		41		41		
Performance	Temperature Range (°C)	2-8		2-8		2-8		2-8		
	Will the fan stop automatically when opening the door	Y		Y		Y		Y		
Control	Controller	Microprocessor		Microprocessor		Microprocessor		Microprocessor		
	Display	LED		LED		LED		LED		
Electrical Data	Power Supply (V/Hz)	220-240/50	115/60	220-240/50	115/60	220-240/50/60	115/60	220-240/50/60	115/60	
	Electrical Current (A)	0.85	2.5	0.85	1.7	1.4		1.5		
Performance Characteristics	Temperature Sensor	NTC		NTC		NTC		NTC		
	Power Consumption (kWh/24h)	0.6		0.9	0.67	0.42		1.7	1.94	
	Temperature Sensor or Not	Y		Y		Y		Y		
Dimensions	Capacity (L/Cu.Ft)	68/2.4		68/2.4		118/4.2		118/4.2		
	Net/Gross Weight (approx)	(kg)	38/40		38/40		41/46		46/51	
		(lbs)	83.8/88.2		83.8/88.2		90.5/101.5		101.5/112.5	
	Interior Dimension (W*D*H)	(mm)	415*385*505		415*385*505		515*415*630		515*415*630	
		(in)	16.3*15.2*19.9		16.3*15.2*19.9		20.3*16.3*24.8		20.3*16.3*24.8	
	Exterior Dimension (W*D*H)	(mm)	495*580*660		495*580*660		597*635*810		597*635*810	
		(in)	19.5*22.8*26.0		19.5*22.8*26.0		23.5*25.0*31.9		23.5*25.0*31.9	
	Packing Dimension (W*D*H)	(mm)	570*670*750		570*670*750		700*710*930		700*710*930	
(in)		22.5*26.4*29.5		22.5*26.4*29.5		27.6*28.0*36.6		27.6*28.0*36.6		
Container Load (20'/40'/40'H)	102/207/207		102/207/207		48/96/96		48/96/96			
Alarms	High/Low Temperature	Y		Y		Y		Y		
	Remote Alarm	Y		Y		Y		Y		
	Power Failure	Y		Y		Y		Y		
	Sensor Error	Y		Y		Y		Y		
	Low Battery	Y		Y		Y		Y		
	Audible and Visual Alarm	Y		Y		Y		Y		
	Door Ajar	Y		Y		Y		Y		
Accessories	Caster	N		N		Y/2		Y/2		
	Foot	Y/2		Y/2		Y/2		Y/2		
	Porthole	Y		Y		Y		Y		
	Shelves/Drawers	2/1		2/1		3/1		3/1		
	USB Interface	Optional		Optional		/		/		
Material	Exterior Material	Painted Steel		Painted Steel		Painted Steel		Painted Steel		
	Interior Material	Polystyrene		Polystyrene		Polystyrene		Polystyrene		
	Drawers Material	Steel Wire Dipping Plastic								
	Door Thickness (mm)	30		30		40		40		
	Cabinet Thickness (mm)	30		30		40		40		
	Shelves Material	Steel Wire, Coated with Plastic								
No. of Shelves	2		2		3		3			
Other	Certificate	CE, UKCA	UL	CE, UKCA	UL	CE,UKCA	UL	CE,UKCA	UL	

Combined Refrigerator and Freezer

Scope of Application

This product is designed to store biomaterials, vaccines, electronic devices and low temperature tests of special materials, in hospitals, epidemic prevention stations, universities, scientific research institutes, electronic chemical industry and other enterprise laboratories.



HYCD-282

HYCD-282A



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



Environment Friendly

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



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

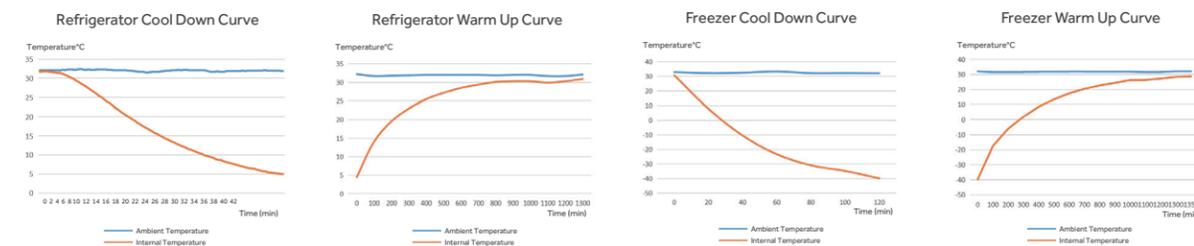
- Refrigerator temperature 2-8°C with resolution of 0.1°C
- Freezer temperature -40--10°C with resolution of 1°C
- Multiple alarm functions with remote alarm contact to ensure safe monitoring



High Performance

- Refrigerator: Forced-air cooling system with cycle defrost, temperature uniformity±3°C
- Freezer: Cold wall cooling system, manual defrost, temperature uniformity±5°C
- Standard USB port & optional printer, easy to get temperature record

Product Performance



Specifications

	Model	HYCD-282		HYCD-282A	
		Refrigerator	Freezer	Refrigerator	Freezer
Technical Data	Cabinet Type	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	HC	HC	HC	HC
	Sound Level (dB(A))	43		43	
Performance	Temperature Range (°C)	Refrigerator: 2-8 / Freezer: -10--40		Refrigerator: 2-8 / Freezer: -10--40	
Control	Controller	Microprocessor		Microprocessor	
	Display	LED		LED	
Electrical Data	Power Supply (V/Hz)	220-240/50/60		220-240/50/60	
	Power (W)	410		410	
	Electrical Current (A)	2.5		2.5	
Dimensions	Capacity (L/Cu.Ft)	185/6.5	97/3.4	185/6.5	97/3.4
	Net/Gross Weight (approx) kg	145/160		145/160	
	Interior Dimensions (W*D*H) mm	Refrigerator:605*510*720 / Freezer: 515*465*440		Refrigerator:605*510*720 / Freezer: 515*465*440	
	Exterior Dimensions (W*D*H) mm	735*660*1810		735*660*1810	
	Packing Dimensions (W*D*H) mm	795*740*2010		795*740*2010	
	Container Load (20'/40'/40'H)	21/43/43		21/43/43	
Alarms	High/Low Temperature	Y		Y	
	Door Ajar	Y		Y	
	Remote Alarm	Y		Y	
	Power Failure	Y		Y	
	Sensor Error	Y		Y	
	Low Battery	Y		Y	
	High Ambient Temp	Y		Y	
Accessories	Caster	Y/4		Y/4	
	Foot	Y/2		Y/2	
	Porthole	Y/2		Y/2	
	Shelves/Drawers	3/1	1/2	3/1	1/2
	Stylus Printer	Optional		Optional	
	USB Interface	Y		Y	
Others	Certification	CE		CE	
Compressor Type		Frequency Conversion Compressor		Frequency Conversion Compressor	
Compressor Quantity		2		2	

Combined Refrigerator and Freezer

Main Application

This product is designed to store biomaterials, vaccines, electronic devices and low temperature tests of special materials.



HYCD-469



Temperature Control



Security Guaranteed



Variable Frequency Hydrocarbon Refrigeration System



Data Storage

Key Features

Temperature Control

- Refrigerator temperature ranges from 2°C to 8°C
- Freezer temperature ranges adjustable from -10°C to -40 °C
- Microprocessor temperature control accuracy 0.1°C (refrigerator) and 1°C (freezer)

Safety

- Separate doors for refrigerator and freezer with independent lock catches, dual padlocks available to ensure product safety
- Multiple alarm functions including high or low temperature, sensor error, high ambient temp, power failure and remote alarm
- Two types of alarm indicators: audible buzzer and visible flashing light

Refrigerator System

- Refrigerator and freezer have independently controlled variable frequency refrigeration systems, standalone displays as well as separate on and off controls
- Robust compressor system operating with environmentally friendly hydrocarbon refrigerant
- Refrigerator with high quality and high efficiency cooling fan provides better temperature uniformity and stability

Specifications

	Model	HYCD-319A (115V)		HYCD-469		HYCD-469A		HYCD-469A (115V)		
		Refrigerator	Freezer	Refrigerator	Freezer	Refrigerator	Freezer	Refrigerator	Freezer	
Technical Data	Cabinet Type	Upright		Upright		Upright		Upright		
	Climate Class	N		N (16-32°C)		N (16-32°C)		N (16-32°C)		
	Cooling Type	Forced Air Cooling	Direct Cooling	Forced Air Cooling	Direct Cooling	Forced Air Cooling	Direct Cooling	Forced Air Cooling	Direct Cooling	
	Defrost Mode	Auto	Manual	Auto	Manual	Auto	Manual	Auto	Manual	
	Refrigerant	HC	HC	HC	HC	HC	HC	HC	HC	
	Sound Level (dB(A))	50		45		45		52		
Performance	Temperature Range (°C)	2-8	-15~-40	2-8	-10~-40	2-8	-10~-40	2-8	-15~-40	
Control	Controller	Microprocessor		Microprocessor		Microprocessor		Microprocessor		
	Display	LED		LED		LED		LED		
Electrical Data	Power Supply (V/Hz)	115/60		220-240/50/60		220-240/50/60		115/60		
	Power (W)	450		640		640		640		
	Electrical Current (A)	6		3		3		7		
Dimensions	Capacity (L/Cu.Ft)	200/7.06	100/3.53	269/9.5	200/7.1	269/9.5	200/7.1	245/8.65	200/7.1	
	Net/Gross Weight (approx)	kg	145/160		176/207		176/207		176/207	
		lbs	319.7/352.7		388.0/456.4		388.0/456.4		388.0/456.4	
	Interior Dimensions (W*D*H)	mm	605*510*720	515*465*440	593*585*800	553*545*660	593*585*800	553*545*660	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	23.3*23.0*31.5	21.8*21.5*26.0	23.3*23.0*31.5	21.8*21.5*26.0
	Exterior Dimensions (W*D*H)	mm	735*660*1810		738*834*1975		738*834*1975		738*834*1975	
		in	28.9*26.0*71.3		29.1*32.8*77.8		29.1*32.8*77.8		29.1*32.8*77.8	
	Packing Dimensions (W*D*H)	mm	795*740*2010		840*910*2170		840*910*2170		840*910*2170	
		in	31.3*29.1*79.1		33.1*35.8*85.4		33.1*35.8*85.4		33.1*35.8*85.4	
	Container Load (20'/40'/40'H)		21/43/43		14/28/28		14/28/28		14/28/28	
Alarms	High/Low Temperature	Y		Y		Y		Y		
	Sensor Error	Y		Y		Y		Y		
	Power Failure	Y		Y		Y		Y		
	Door Ajar	Y		Y		Y		Y		
	Remote Alarm	Y		Y		Y		Y		
	High Ambient Temperature	Y		Y		Y		Y		
	Low Battery	Y		Y		Y		Y		
Accessories	Caster	Y/4		Y		Y		Y		
	Foot	Y/2		Y		Y		Y		
	Porthole	Y/2		Y		Y		Y		
	Shelves/Drawers	3/1	1 (For supporting the upper drawer)/2 (without sliding rack)	3/0	3/0 (Max 3 Drawers optional, without sliding rack)	3/0	3/0 (Max 3 Drawers optional, without sliding rack)	3/0	3/0 (Max 3 Drawers optional, without sliding rack)	
	USB Interface	Y		Y		Y		Y		
Others	Certification	UL		CE		CE		UL		

Combined Refrigerator and Freezer with Spark-free Interior

This application is suitable for storing highly inflammable products such as research samples, reagents, and other laboratory inventories within specific temperature ranges. The refrigerator chamber maintains temperatures between 3~16°C, while the freezer chamber can reach temperatures of -10~-30°C. This setup provides a controlled environment for storing sensitive materials safely.

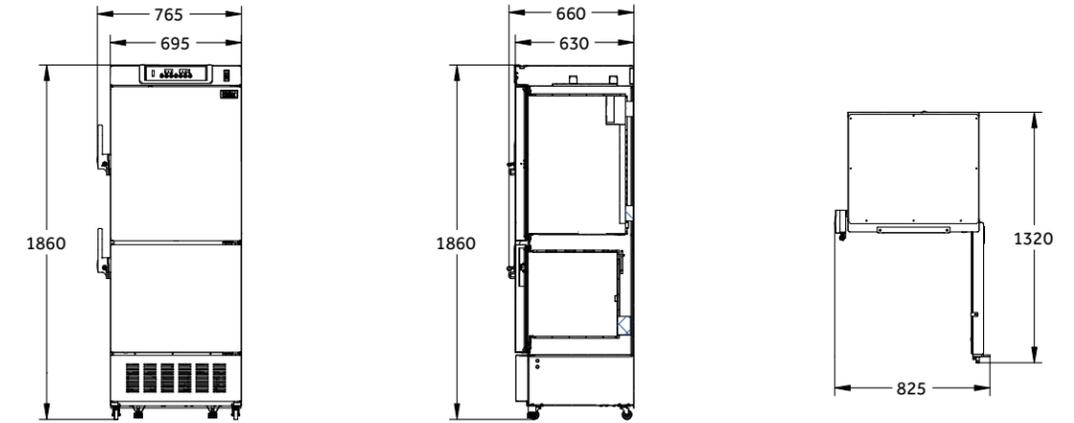
Product Advantages

-  USB module, printer and RS485 are all available for easy data acquisition and external connection
-  Multiple alarm functions for safer monitoring, audible/visual alert with mute function; remote alarm contact is equipped as standard
-  Eco-friendly hydrocarbon refrigerant and CFC-free polyurethane insulation for reduced GWP (global warming potential)
-  Stainless steel Interior and stainless shelves (adjustable for refrigerator chamber and removable for freezer chamber)
-  Both refrigerator chamber and freezer chamber have an independent cooling circuit
-  Hermetically sealed compressor, optimized cooling system to ensure high performance and energy saving
-  Effortless Mobility and Stability with 4 Swivel Casters and 2 Levelling Feet
-  Heavy duty dandles with unique-key lock and hasp for padlock
-  ATEX Certified with spark-free interior
-  Microprocessor controller with digital display



HLRF-319SF

Cabinet Temperature



Product Specification

	Model	HLRF-319SF	
Technical Data	Cabinet Type	Upright	
	Climate Class	N, 16-32°C	
	Cooling Type	Refrigerator: Forced Air Cooling/Freezer: Direct Cooling	
	Defrost Mode	Refrigerator: Auto/Freezer: Manual	
	Refrigerant	Refrigerator: R600a/Freezer: R290	
Performance	Sound Level (dB(A))	43	
	Temperature Range (°C)	Refrigerator: 2-8/Freezer: -10--40	
Control	Controller	Microprocessor	
	Display	LED	
Electrical Data	Power Supply (V/Hz)	220-240/50	
	Power (W)	230	
	Electrical Current (A)	1.5	
	Power Consumption (kWh/day)	1.5	
Dimensions	Capacity (L/Cu.Ft)	Refrigerator: 219/7.7; Freezer: 100/3.5	
	Net/Gross Weight (approx)	kg	130/140
		lbs	320/353
	Interior Dimensions (W*D*H)	mm	Refrigerator: 605*510*720/Freezer: 515*465*440
		in	Refrigerator: 23.8*20*28.3/Freezer: 20.2*18.3*17.3
	Exterior Dimensions (W*D*H)	mm	735*660*1810
		in	28.9*26.0*71.3
Packing Dimensions (W*D*H)	mm	795*740*2010	
	in	31.3*29.1*79.1	
Alarms	Container load (20'/40'/40'H)	21/43/43	
	High/Low Temperature	Y	
	Sensor Error	Y	
	Power Failure	Y	
	Door Ajar	Y	
	Low Battery	Y	
	Remote Alarm	Y	
	Accessories	Caster	Y/4
		Foot	Y/2
		Porthole	N/A
Shelves		Refrigerator: 3 Adjustable; Freezer: 2 Removeable	
Others	Stylus Printer	Optional (Printer or RS485, Either-or)	
	RS485	Optional (Printer or RS485, Either-or)	
	USB Interface	Optional	
	Certification	CE, ATEX	