

Haier

Pharmacy  
Refrigerator



# Combined Refrigerator and Freezer

109/110

## Main Application

This product is designed to store blood plasma, biological products, vaccines, medicines and chemical reagents.



HYCD-469



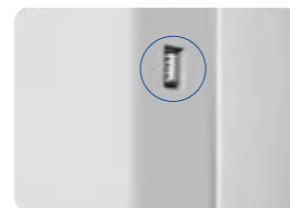
Temperature Control



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 indications: 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.

## Ergonomic Design

- Large LED screen display for excellent user interface experience.
- USB port automatically saves temperature data for up to 10 years for convenient inquiry and record keeping.
- Optional printer to simultaneously print out temperatures of the refrigerator and the freezer.
- Four casters and two levelling legs design for ease of maneuvering.

## Specifications

Model		HYCD-469	HYCD-469A	
Technical Data	Cabinet Type	Upright	Upright	
	Climate Class	N (16-32°C)	N (16-32°C)	
	Cooling Type	Refrigerator: Forced air cooling Freezer: Direct cooling	Refrigerator: Forced air cooling Freezer: Direct cooling	
	Defrost Mode	Refrigerator: Auto / Freezer: Manual	Refrigerator: Auto / Freezer: Manual	
	Refrigerant	Refrigerator: R600a / Freezer: R290	Refrigerator: R600a / Freezer: R290	
	Sound Level (dB(A))	45	45	
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)	640	640	
	Electrical Current (A)	3	3	
Dimensions	Capacity (L/Cu.Ft)	Refrigerator: 269/9.5; Freezer: 200/7.1	Refrigerator: 269/9.5; Freezer: 200/7.1	
	Net/Gross Weight (approx)	kg	176/207	176/207
		lbs	388.0/456.4	388.0/456.4
	Interior Dimensions (W*D*H)	mm	Refrigerator: 593*585*800 Freezer: 553*545*660	Refrigerator: 593*585*800 Freezer: 553*545*660
		in	Refrigerator: 23.3*23.0*31.5 Freezer: 21.8*21.5*26.0	Refrigerator: 23.3*23.0*31.5 Freezer: 21.8*21.5*26.0
	Exterior Dimensions (W*D*H)	mm	738*834*1975	738*834*1975
		in	29.1*32.8*77.8	29.1*32.8*77.8
	Packing Dimensions (W*D*H)	mm	800*875*2100	800*875*2100
		in	31.5*34.4*82.7	31.5*34.4*82.7
	Container Load (20'/40'/40'H)		14/28/28	14/28/28
Alarms	High/Low Temperature	Y	Y	
	Sensor Error	Y	Y	
	Power Failure	Y	Y	
	Door Ajar	Y	Y	
	Remote Alarm	Y	Y	
	High Ambient Temperature	Y	Y	
	Low Battery	Y	Y	
Accessories	Caster	Y	Y	
	Foot	Y	Y	
	Porthole	Y	Y	
	Shelves/Drawers	Refrigerator: 3/0 Freezer: 3/0 (Max 3 Drawers optional, without sliding rack)		
	USB Interface	Y	Y	
Others	Certification	CE	CE	

# Combined Refrigerator and Freezer

## Scope of Application

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



## Product Advantages

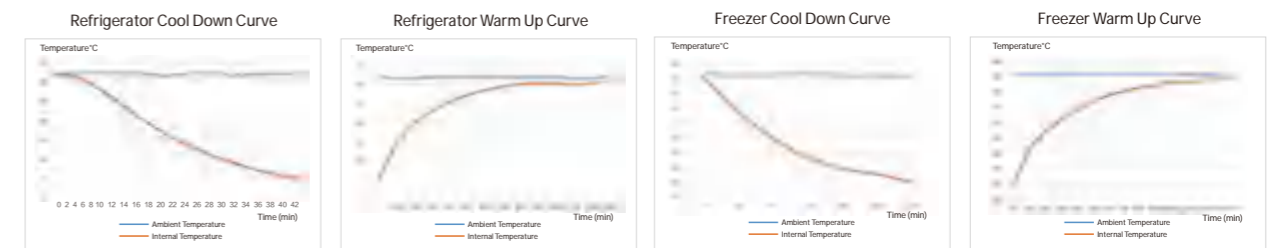
**Refrigerator & Freezer Combination**  
Independent control panel display for refrigerator section and freezer section

**Multiple Alarms**  
High/low temperature, door ajar, power failure, sensor error, low battery, high ambient temperature and remote alarm

**Energy Conservation and Environmental Protection**  
Frequency conversion compressor and hydrocarbon system, Energy conservation and environmental protection

**High Display Precision**  
Refrigerator room display precision is 0.1°C

## Product Performance



## Specifications

Model	HYCD-282	HYCD-282A		
<b>Technical Data</b>	Cabinet Type	Upright	Upright	
	Climate Class	N	N	
	Cooling Type	Refrigerator: Forced air cooling Freezer: Direct cooling	Refrigerator: Forced air cooling Freezer: Direct cooling	
	Defrost Mode	Refrigerator: Auto / Freezer: Manual	Refrigerator: Auto / Freezer: Manual	
	Refrigerant	Refrigerator: R600a / Freezer: R290	Refrigerator: R600a / Freezer: R290	
	Sound Level (dB(A))	43	43	
<b>Performance</b>	Temperature Range (°C)	Refrigerator: 2-8 / Freezer: -10--40	Refrigerator: 2-8 / Freezer: -10--40	
<b>Control</b>	Controller	Microprocessor	Microprocessor	
	Display	LED	LED	
<b>Electrical Data</b>	Power Supply (V/Hz)	220-240/50/60	220-240/50/60	
	Power (W)	410	410	
	Electrical Current (A)	2.5	2.5	
<b>Dimensions</b>	Capacity (L/Cu.Ft)	Refrigerator: 185/6.5; Freezer: 97/3.4	Refrigerator: 185/6.5; Freezer: 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	775*720*1930	775*720*1930
	Container Load (20'/40'/40'H)		21/43/43	21/43/43
<b>Alarms</b>	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	
<b>Accessories</b>	Caster	Y/4	Y/4	
	Foot	Y/2	Y/2	
	Porthole	Y/2	Y/2	
	Shelves/Drawers	Refrigerator: 3/1; Freezer: 0/2	Refrigerator: 3/1; Freezer: 0/2	
	Stylus Printer	Optional	Optional	
	USB Interface	Y	Y	
<b>Others</b>	Certification	CE	CE	
<b>Compressor Type</b>	Frequency Conversion Compressor	Frequency Conversion Compressor		
<b>Compressor Quantity</b>	2	2		

Product appearance and specifications are subject to change without notice

# RFID Refrigerator

## Smart Management of Reagents Starts with IoT Technology

From manufacturer to patients, the entire process is automatically and smartly controlled.



**HYC-509R**



**Smart IoT System Makes Storage Management Simple, Precise and Effective**  
RFID based smart IoT management system permits automatic management of reagents



Smart RFID label  
Smart RFID shelf  
Industrial-grade IoT Network Module Group



**Authorized Management for Material Flow at Controllable Risk**  
NFC authorized management system is traceable.



**Statistical Analysis of Test Data, Precise Verification and Scientific Instruction**



**Precise Temperature Control Ultimate Safety of Test Reagents**  
2°C - 8°C storage temperature, real-time monitoring of cabinet temperature

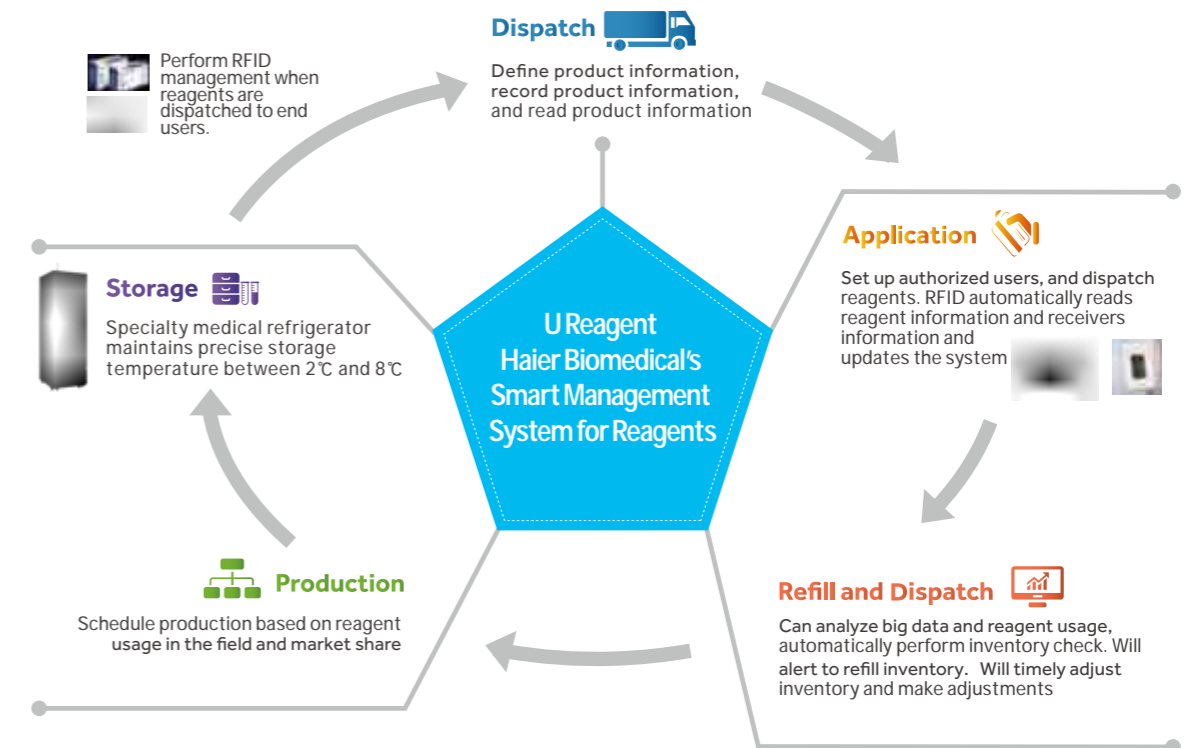


**Intelligent Accurate Recording**  
Intelligent touch screen for quick check of warehouse in-and-out records

- Manage Market Data to Support Scientific Production Scheduling**  
Statistical analysis of market data, reagent usage data and reports outcome of the analysis to support users to have a stronger understanding of market trends, share, and provide guidance for 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.

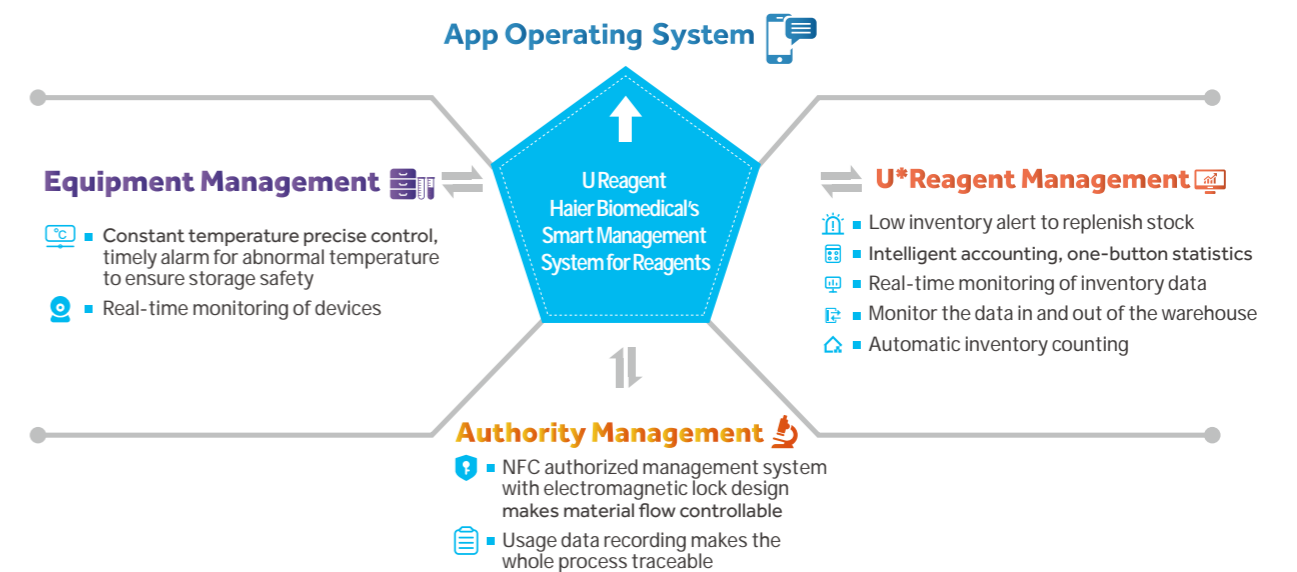
## Smart Management from Production to Application

(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 as key examples)



## Product Specification

Model	Voltage (V/Hz)	Power (W)	External Dimensions (W*D*H) (mm)	Internal Dimensions (W*D*H) (mm)	Effective Volume (L)	Net Weight / Gross Weight (Kg)	Shelf	Touch Screen
HYC-509R	220~240/50/60	470	693*813*1981	593*585*1500	509	180/215	6	Yes
HYC-390R	220~240/50/60	380	720*710*1965	530*555*1380	390	116/139	5	No

## Advanced Pharmacy Refrigerator with LCD 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



#### Intelligent and Interactive Touchscreen Control

- An intelligent, high definition liquid crystal touch screen control system, allows users to view temperature graphs, operation status, events and alarm records



#### Data Storage

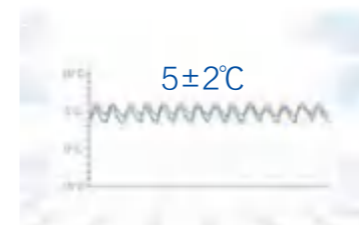
- Standard USB, optional printer, capable of storing 10 years' temperature data, historical data can be checked and traced



#### Secure Access and Authorized Management

- NFC authority system works with a magnetic lock system to ensure product safety. In addition, access to unit and stored products is traceable
- Finger print module is optional for additional safety

### Product Advantages



#### Precise Temperature Control and Reliable Operation

- Advanced control system
- Six sensors
- High efficiency air flow system
- Precise temperature control
- Uniform temperature distribution
- VFD driven compressor
- High-efficiency fan motor



#### Multiple Features for Sample Security And Protection

- Audible buzzer and visual flashing lights for alarm system as standard
- Alarm system includes door ajar, temperature, sensor error, battery, loss of power and clogged condenser
- Remote alarm contact terminals as standard
- Supplied with mechanical lock as standard, there is an optional magnetic lock for added product safety



#### Environmentally Friendly Refrigeration

- R600a Hydrocarbon refrigeration system does not have any negative impacts of the ozone layer, with zero global warming effect

## Specifications

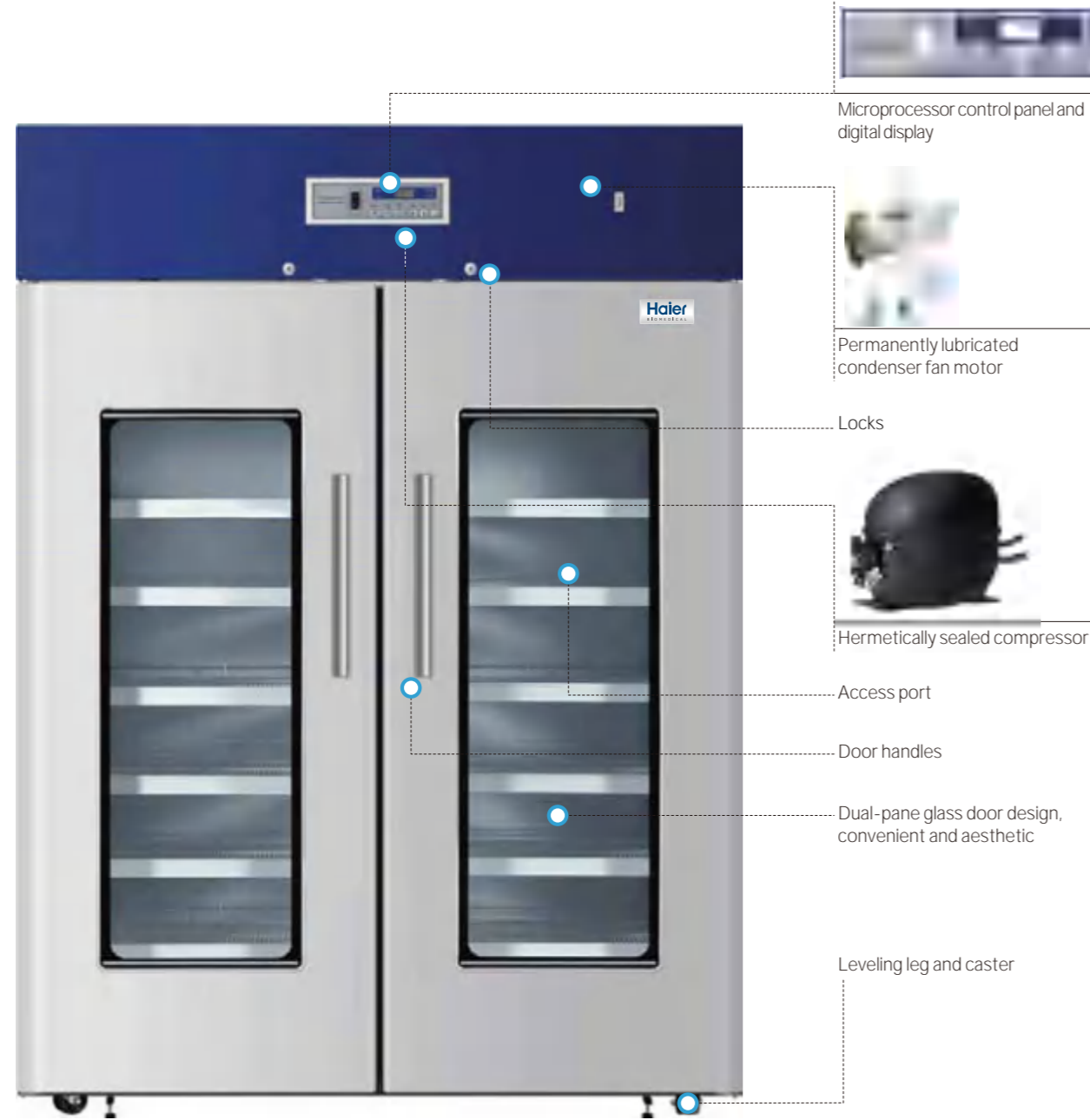
Model		HYC-509	HYC-509F	HYC-509T	HYC-509TF	HYC-1099	HYC-1099F	HYC-1099T	HYC-1099TF	
Technical Data	Cabinet Type	Upright, single glass door	Upright, single solid door	Upright, single glass door	Upright, single solid door	Upright, double glass door	Upright, double solid door	Upright, double glass door	Upright, double solid door	
	Climate Class	N	N	N	N	N	N	N	N	
	Cooling Type	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling	Forced air cooling	
	Defrost Mode	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	
	Refrigerant	HC	HC	HC	HC	HC	HC	HC	HC	
	Sound Level (dB(A))	40	40	40	40	43	43	43	43	
Performance	Temperature Range (°C)	2-8	2-8	2-8	2-8	2-8	2-8	2-8	2-8	
Control	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	
	Display	LED	LED	Touchscreen+LED	Touchscreen+LED	LED	LED	Touchscreen	Touchscreen	
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	
	Power (W)	370	315	370	315	470	440	470	440	
	Electrical Current (A)	1.85	1.75	1.85	1.75	2.5	2.25	2.5	2.25	
	Power Consumption (kWh/24h)	5.9	5.3	5.9	5.3	6.8	6	6.8	6	
Construction	Capacity (L/Cu.Ft)	509/17.97	509/17.97	509/17.97	509/17.97	1099/38.5	1099/38.5	1099/38.5	1099/38.5	
	Net/Gross Weight (approx)	kg	180/215	175/210	180/215	175/210	340/400	330/390	340/400	330/390
		lbs	396/473	385/462	396/473	385/462	748/1000	726/858	748/1000	726/858
	Interior Dimensions (W*D*H)	mm	593*585*1500	593*585*1500	593*585*1500	593*585*1500	1295*585*1500	1295*585*1500	1295*585*1500	1295*585*1500
		in	23.21*22.9*58.8	23.21*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	50.7*22.9*58.8	50.7*22.9*58.8
	Exterior Dimensions (W*D*H)	mm	693*813*1981	693*813*1981	693*813*1981	693*813*1981	1395*813*1981	1395*813*1981	1395*813*1981	1395*813*1981
		in	27.1*31.9*77.7	27.1*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	54.7*31.9*77.7	54.7*31.9*77.7
Packing Dimensions (W*D*H)	mm	800*875*2100	800*875*2100	800*875*2100	800*875*2100	1525*900*2100	1525*900*2100	1525*900*2100	1525*900*2100	
	in	31.3*34.3*82.3	31.3*34.3*82.3	31.3*34.3*82.3	31.3*34.3*82.3	59.8*35.3*82.3	59.8*35.3*82.3	59.8*35.3*82.3	59.8*35.3*82.3	
Loading Quantities	Container Load (20'/40'/40'H)	14/28/28	14/28/28	14/28/28	14/28/28	7/14/14	7/14/14	7/14/14	7/14/14	
Functions	High/Low Temperature	Y	Y	Y	Y	Y	Y	Y	Y	
	Power Failure	Y	Y	Y	Y	Y	Y	Y	Y	
	Sensor Error	Y	Y	Y	Y	Y	Y	Y	Y	
	Low Battery	Y	Y	Y	Y	Y	Y	Y	Y	
	Door Ajar	Y	Y	Y	Y	Y	Y	Y	Y	
Accessories	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	
	Shelves/Drawers	Y/Optional	Y/Optional	Y/Optional	Y/Optional	Y/Optional	Y/Optional	Y/Optional	Y/Optional	
	USB Interface	Y	Y	Y	Y	Y	Y	Y	Y	
	Remote Alarm	Y	Y	Y	Y	Y	Y	Y	Y	
Certification	CE	Y	Y	Y	Y	Y	Y	Y	Y	

T suffix - Advanced with touchscreen

Product appearance and specifications are subject to change without notice

# Standard Pharmacy Refrigerator

The Haier 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

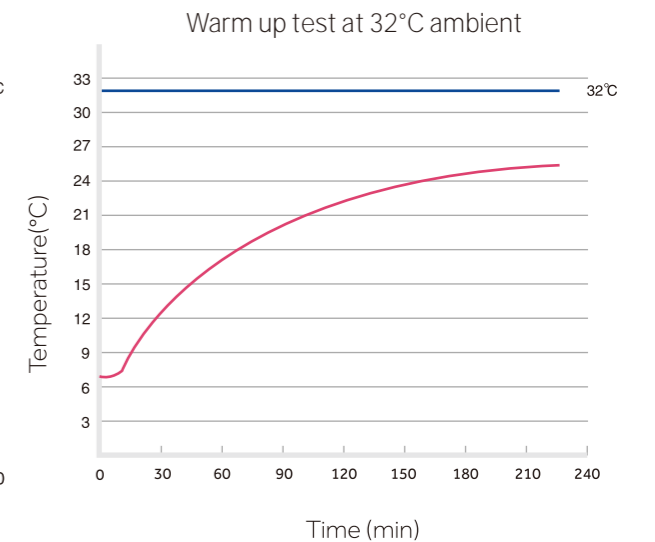
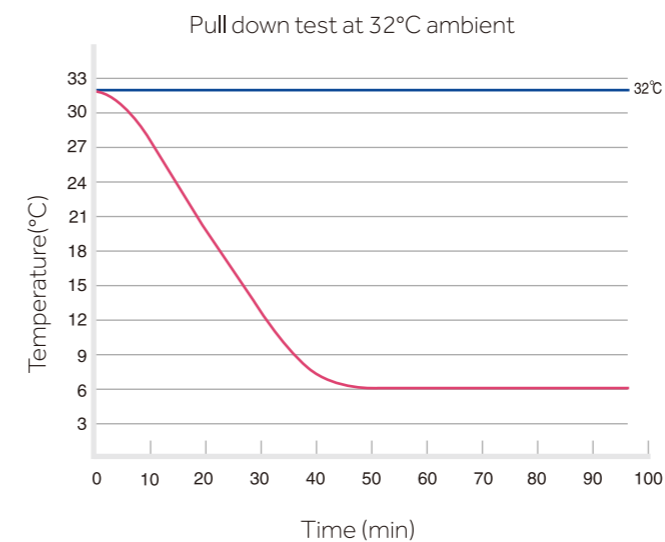
- Energy efficient hydrocarbon (HC) refrigeration system
- Permanently lubricated cooling fan for safety and longevity
- Forced-air cooling with optimized air distribution system designed to achieve maximum temperature uniformity and stability
- Optimized refrigeration system design for more effective cooling and speedy recovery
- Temperature variation within  $\pm 3^{\circ}\text{C}$
- Chamber temperature range  $2\text{-}8^{\circ}\text{C}$
- Microprocessor control with large digital display. Adjustable temperature with an increment of  $0.1^{\circ}\text{C}$
- 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








# 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.



HYC-639

- 
**Energy Saving**  
 70mm thick foam layer, optimized refrigeration system, low power consumption, less than 6 kWh per day.
- 
**Environmentally-friendly**  
 Hydrocarbon refrigerant, truly completely environmental protection refrigeration system. Polyurethane insulation layer, the whole series adopts European ROHS directive materials, environmental protection.
- 
**Better Uniformity**  
 Finned evaporator, double fan system. The temperature is more uniform, the characteristic point temperature uniformity is  $\pm 2^{\circ}\text{C}$ .
- 
**Low Noise**  
 Optimized system and structure noise reduction design, noise 43 dB (A).
- 
**Multi-channel Sensor, Reliable and Safe**  
 Equipped with upper display sensor, lower display sensor, defrosting sensor, control sensor, ambient temperature sensor, condenser dirty sensor.



## Microprocessor control system:

Microcomputer electronic temperature controller, LED temperature display, the display accuracy is 0.1 °C  
 Multiple alarm functions like high temperature alarm, low temperature alarm, sensor error alarm, power failure alarm, low battery alarm, door ajar, condenser dirty alarm, high ambient temperature alarm, etc  
 Audio and visual alarm. The equipment can connected to the remote alarm interface. Continuous alarm for 48h after power failure



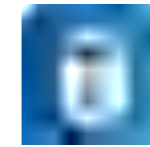
## Insulation

70mm-thick foam insulation layer to provide better insulation



## Porthole

Standard equipped with a porthole to facilitate the user to test



## Security lock

Equipped with safety lock with 4 keys, safe storage of drugs



## Temperature Recorder

Standard equipped with USB, and printer and RS485 interface, etc. 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 fix the equipment.

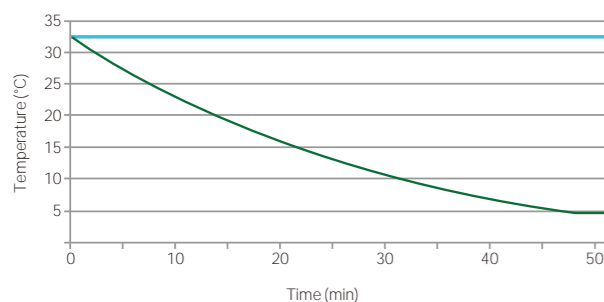
## Shelves

Standard equipped with 4 shelves and it can be optional equipped with 6 shelves.

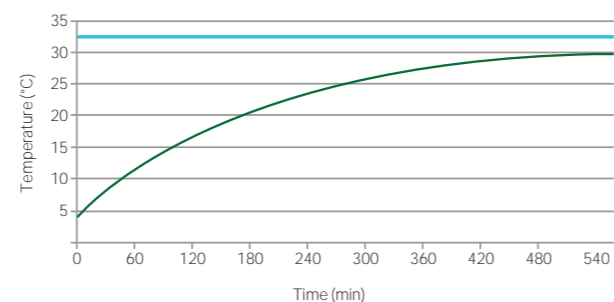


## Typical Performance Characteristics in 32°C Ambient Temp.

Cool down curve



Warm up curve



— Ambient Temp. — Center Temp.

Model	Voltage (V/Hz)	Temp range (°C)	Exterior dimension (W*D*H mm)	Interior dimension (W*D*H mm)	Capacity (L)
HYC-639	220-240/50	2-8	760*897*1993	620*706*1520	639



# Standard Pharmacy Refrigerator

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



HYC-390

## Technical Advantages

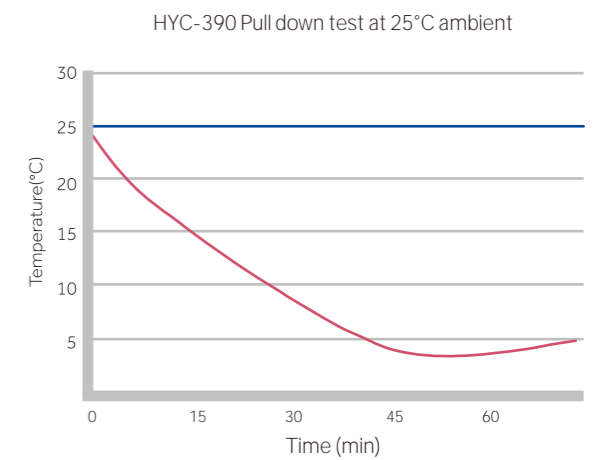
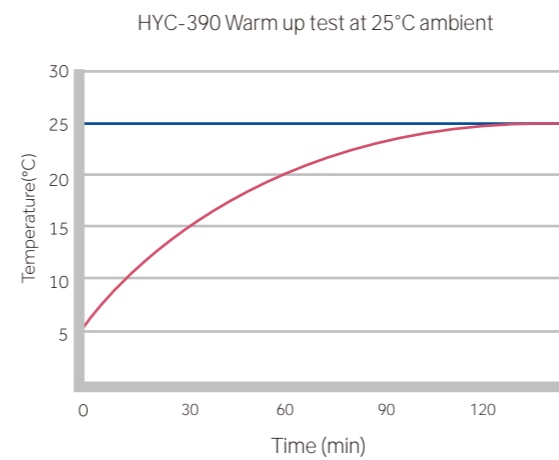
- Accurate temperature control maintains 2°C to 8°C throughout the unit with an adjustable increment at 0.1°C
- Improved user interface includes a data storage capacity of up to 10 years
- Oversized air-cooled condenser improves the robustness of the refrigeration system, reliability and refrigeration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



# Standard Pharmacy Refrigerator

125/126

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.

## Product Details



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

### Safe

- Equipped with built-in lock and security latch to accommodate a padlock, 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

### Material:

HIPS adsorption liner,  
sprayed steel case

### Shelves:

Standard with 6 shelves



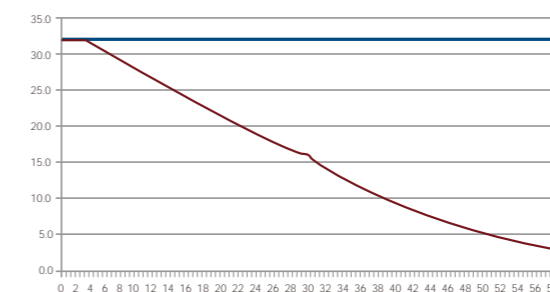
### Caster and foot:

Standard equipped with 4 universal casters and 2 adjustable feet, ensure the refrigerator moving and fixed

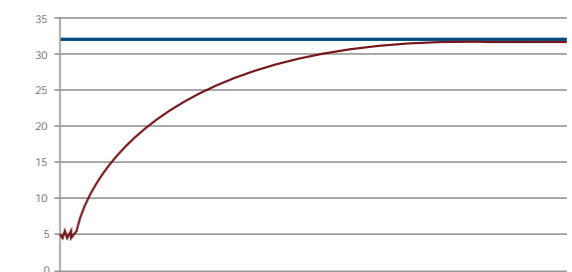
\*Optional: USB, printer, RS485/232 interface

## Product Performance

Cool down curve



Warm up curve



At 32°C ambient temperature, the cooling time is about 50 minutes, the heating time is about 8 hours

— Ambient Temp.  
— Test point Temp.

# Under-Counter Pharmacy Refrigerator

127/128

## Easy to Install, Ergonomic and Reliable

Haier 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

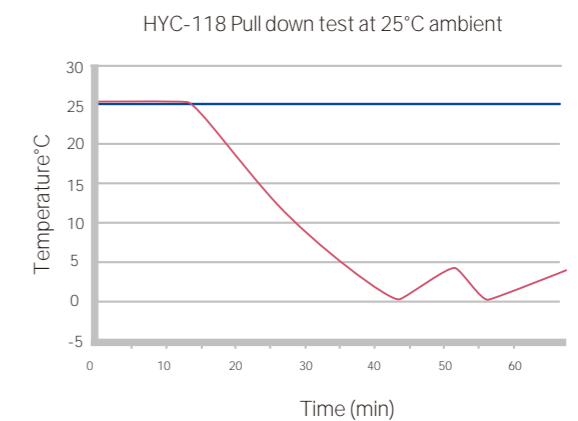
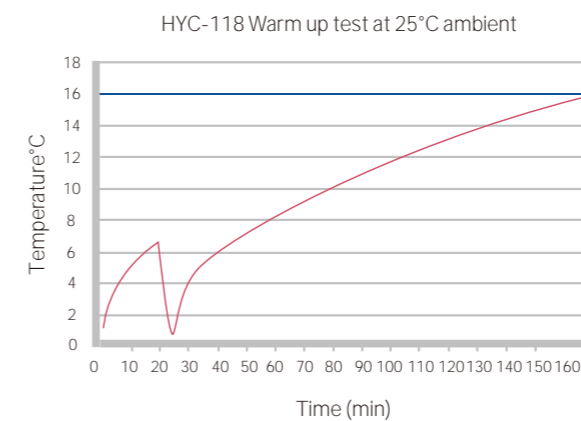
- Energy efficient hydrocarbon (HC) refrigeration system
- Permanently lubricated cooling fan for safety and longevity
- Forced-air cooling with optimized air distribution system designed to achieve maximum temperature uniformity and stability
- Optimized refrigeration system design for more effective cooling and speedy recovery
- Temperature variation 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  $0.1^{\circ}\text{C}$
- 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



# Pharmacy Refrigerator

## Specifications



Model	HYC-68		HYC-68A		HYC-118		HYC-118A		HYC-290		HYC-390		HYC-410		HYC-639		HYC-390F		HYC-610		HYC-940		HYC-940F		HYC-1378						
Cabinet Type	Upright, Solid Door		Upright, Glass Door		Upright, Solid Door		Upright, Glass Door		Upright, Single Door		Upright, Single Door		Upright, single door		Upright, glass door		Upright, Single Door		Upright, Single Door		Upright, Double Glass Door		Upright, Double Solid Door		Upright, double door						
Climate Class	N		N		N		N		N		N		N		ST		N		N		N		N		N						
Cooling Type	Forced Air Cooling		Forced Air Cooling		Forced Air Cooling		Forced Air Cooling		Forced Air Cooling		Forced Air Cooling		Forced air cooling		Forced air cooling		Forced Air cooling		Forced Air Cooling		Forced Air Cooling		Forced Air Cooling		Forced Air Cooling						
Defrost Mode	Auto		Auto		Auto		Auto		Auto		Auto		Auto		Auto		Auto		Auto		Auto		Auto		Auto						
Refrigerant	HC		HC HC		HC HC		HC HC		HC		HC		HC		HC		HC		HC		HC		HC		HC						
Sound Level (dB(A))	41		41		41		41		43 43		43 43		41		43		43 43		43 45		43 45		43		43 45						
Temperature Range (°C)	2-8		2-8		2-8		2-8		2-8		2-8		2-8		2-8		2-8		2-8		2-8		2-8		2-8						
Controller	Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor						
Display	LED		LED		LED		LED		LED		LED		LED		LED		LED		LED		LED		LED		LED						
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	115/60	220-240/50/60	115/60	220-240/50/60	220-240/50	220-240/50	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	220-240/50/60	220-240/50/60	220-240/50/60						
Power (W)	140	150	140	150	190	190	230	230	200	350	240	360	350	410	210	115	550	500	700	850	500	850	600	850							
Electrical Current (A)	0.85	1.7	0.85	1.7	1.4	1.4	1.5	1.5	2.2	1.8	2.4	1.8	2.0	2.15	1	1.5	3	6.2	35	75	27	3	7.5								
Capacity (L/Cu.Ft)	68/2.4		68/2.4		118/4.2		118/4.2		290/10.2		390/13.8		410		639/28.3		390/13.8		610/21.6		890/31.4		890/31.4		1378/48.7						
Net/Gross Weight (approx)	kg	38/40		38/40		41/46		46/51		105/127		116/139		116/139		200/240		106/129		204/227		227/279		207/259		310/360					
	lbs	83.8/88.2		83.8/88.2		90.5/101.5		101.5/112.5		231.6/280.1		255.8/306.6		255.7/306.4		551.15/639.33		233.8/284.5		449.7/500.4		500.4/615.1		456.4/571.1		683.4/793.7					
Interior Dimensions (W*D*H)	mm	415*385*505		415*385*505		515*415*630		515*415*630		530*555*1080		530*555*1380		530*590*1380		620*706*1520		530*555*1380		680*640*1400		1030*590*1425		1030*590*1425		1320*700*1500					
	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		20.9*21.9*42.5		20.9*21.9*54.3		20.9*22.8*54.3		24.4*27.8*59.8		20.9*21.9*54.3		26.8*25.2*55.1		40.6*23.2*56.1		40.6*23.2*56.1		52.0*27.6*59.1					
Exterior Dimensions (W*D*H)	mm	495*580*660		495*580*660		597*635*810		597*635*810		597*635*810		597*635*810		665*710*1665		665*710*1965		665*710*1965		760*897*1993		665*710*1965		780*840*1945		1130*755*1980		1130*755*1980		1440*950*1980	
	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		23.5*25.0*31.9		23.5*25.0*31.9		26.2*28.0*65.6		26.2*28.0*77.4		26.2*28.0*77.4		29.9*35.3*78.5		26.2*28.0*77.4		30.7*33.1*76.6		44.5*29.7*78.0		44.5*29.7*78.0		56.7*37.4*78.0	
Packing Dimensions (W*D*H)	mm	540*640*710		540*640*710		680*690*910		680*690*910		690*790*1810		690*790*2110		675*790*2115		873*997*2143		690*790*2110		865*945*2090		1250*850*2130		1250*850*2130		1570*1010*2120					
	in	21.3*25.2*28.0		21.3*25.2*28.0		26.8*27.2*35.8		26.8*27.2*35.8		27.1*31.0*71.1		27.1*31.0*82.9		26.6*31.1*83.3		34.5*39.3*84.4		27.1*31.0*82.9		34.1*37.2*82.3		49.2*33.5*83.9		49.2*33.5*83.9		61.8*39.8*83.5					
Container Load (20"/40"/40"H)	108/228/228		108/228/228		48/102/102		48/102/102		21/42/42		21/42/42		23/48/48		12/26/26		21/42/42		12/26/26		8/18/18		8/18/18		6/12/12						
High/Low Temperature	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y						
Remote Alarm	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y						
Power Failure	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y						
Sensor Error	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y						
Low Battery	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y						
Door Ajar	Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y		Y						
Caster	Y		Y		Y		Y		Y		Y		4		4		Y		Y		Y		Y		Y						
Foot	Y		Y		Y		Y		Y		Y		2		2		Y		Y		Y		Y		Y						
Porthole	Y		Y		Y		Y		Y		Y		Y		1		Y		Y		Y		Y		Y						
Shelves/Drawers	2/1		2/1		3/1		3/1		5/-		7/-		6/-		4(6 optional)		7/-		6/-		12/-		12/-		12/-						
USB Interface	Optional		Optional		/		/		Y Optional		Y Optional		Optional		Y		Optional Y		Optional		Optional		Optional		Y						
Printer	N/A		N/A		N/A		N/A		Optional		Optional		Optional		Optional		Optional		N/A		Optional		Optional		Optional						
Temperature Recorder	N/A		N/A		N/A		N/A		Optional		Optional		N/A		N/A		Optional		Optional		Optional		Optional		Optional						
Certification	CE	UL	CE	UL	CE	UL	CE	UL	UL	CE	UL	CE	CE	ENERGY STAR	CE	CE	ENERGY STAR	CE	UL	CE	UL	CE	UL	CE	CE	UL					

Product appearance and specifications are subject to change without notice