

**Haier**

**Pharmaceutical Refrigerator**

**Operation Manual**

HYC-68/68A

- ◆ Read the Operation Manual carefully before using your appliance.
- ◆ Keep the Operation Manual in a safe place.
- ◆ Appearance, color and layout of the door may vary.

## Contents

Safety precautions.....	1
Accessories .....	3
Location.....	5
Installation .....	6
Operation instructions .....	7
Cautions .....	10
Maintenance and repair .....	11
Technical information.....	12

## Technical information

Product	Pharmaceutical Refrigerators	
Model	HYC-68	HYC-68A
Volume	68L	68L
External panel	Sprayed steel sheet	
Internal panel	Sprayed steel sheet	
Door	Insulation door	Glass door
Insulation	Styrene polyurethane foam(Freon-free)	
Shelf	2	2
Cooling	Air circulation	
Compressor	Sealed	
Refrigerant	R600a	
Thermostat	Electronic control system	
Over-temp warning	Indicatoe blinks for buzzer and remote warning	
Low-temp warning	Indicatoe blinks for buzzer and remote warning	
Door warning	Door warning indicator on, and buzzer signal 10 minutes later	
Accessories	Key:1 set;Operation manual:1;Plastic bag: 1;	
Net weight	32kg	32kg

## Properties

Model	HYC-68	HYC-68A
Input power	84W	84W

**Note:**Technical information may vary from the appliance that you have just purchased due to technical improvements.

## Maintenance and repair



Unplug the appliance before commencing repair, maintenance and/or inspection. Attention should be paid by technicians carrying out maintenance of the appliance to avoid inhalation of harmful dusts and powders in the air.

### Cleaning

1. The appliance should be cleaned once a month.
2. Wipe clean the external surfaces and internal accessories of the appliance. Mild detergent can be used if necessary.
3. Dry the appliance both inside and outside with soft cloth after cleaning with water.
4. Do not use excessive water for cleaning the appliance to avoid damage to the insulation materials.
5. Do not use any lubrication oils inside the appliance since the compressor and other mechanical accessories are all tightly sealed.

- (1) Full or partial copying or reproduction of the contents in this Operation Manual is not permitted without written consent from Haier.**
- (2) The edition of this manual for the appliance that you have just purchased may vary.**

Design or layout of the appliance that you have just purchased may vary due to technical improvements.

## Safety precautions

Please read this Operation Manual carefully before using the appliance. Instructions in this manual must be strictly followed.

This manual contains significant information related to safety operation of your appliance.

Follow the instructions in this operation manual to safely operate your appliance and to avoid potential hazards.

**In this manual and on labels attached to this product, the words WARNING and CAUTION mean the following:**

### **WARNING**

A potentially hazardous situation, which, if not avoided, could result in serious injury or death.

### **CAUTION:**

A potentially hazardous situation which, if not avoided, may result in minor or moderate injury or damage to the equipment.

#### **Label indications: (for example)**

 indicates Careful.

 indicates Forbidden.

 indicates regulations.

This operation manual should remain attached to this appliance.

## Cautions

The following procedures cover the operation of the appliance.

- 1) The appliance should be connected to a dedicated socket for 220V/50Hz power supply. Allow some time lapse before loading the appliance.
- 2) The warning sound signal may be heard when the appliance is first connected to the power source and can be inactivated by pressing the buzzer button. The warning indicator stays on until the temperature of the test bottle sensor reaches  $5^{\circ}\text{C} \pm 2^{\circ}\text{C}$ .
- 3) Ensure that the two test bottles are filled with 10% glycol solution. (see article 4, section installation on page 6).
- 4) The appliance is preset during manufacture for operation temperature  $2\sim 8^{\circ}\text{C}$ .
- 5) A few hours after the appliance operates the desired temperature value will be attained. After the temperature in the appliance is stable, check the test bottle to see if the temperature complies with desired value.
- 6) Switch on the light and check the lighting condition.
- 7) Do not load excessive material in the appliance, which has been thoroughly tested and assured as operational.


## Operation

- ① Staff should be designated for daily inspection and record of the operation status of the appliance. Items in storage should be moved to another appliance if temperature fluctuates abnormally.

## Troubleshooting

Problem	Solution
Unit does not operate.	Fuse in good condition
	Appliance is not properly plugged.
	Failure of input and control cables.
	Low voltage
Desired temperature is not reached.	Excessive or hot stuff in storage.
	No space saved between stuff in storage
	Under direct sunlight or near heat resource
	Frequent opening door
	High ambient temperature
Excessive noise	Ventilation blocked
	Appliance not placed on flat surface.
	Appliance contacts other objects.
Warning indicator blinks with buzz	New items loaded while temperature is not at 2-8°C.
	Door not tightly closed
	Temperature exceeds designed degree.

## Safety precautions

 <b>WARNING</b>	
⊘ Do not use your appliance outdoors to avoid power leaks or electrical hazards.	⊘ Never store volatile and/or inflammable materials in the appliance.
① Qualified technicians should carry out installation or maintenance as unauthorized installation or repair may result in gas or liquid leaks, electrical shocks or fires.	① Unplug the appliance before commencing repairs, maintenance or inspection.
① The appliance must be installed on a solid and flat surface, or the appliance may fall or tilt.	① Do not pull out two drawers simultaneously when loading or unloading the appliance. Do not store excessive weight in the drawers.
⊘ Do not place the appliance in a damp area as wet-insulating materials may cause electrical leaks or hazards.	⊘ Do not sprinkle water directly on the appliance for cleaning to avoid electric shorts or hazards.
① Follow the instructions on the type plate and use a dedicated power source for the appliance, as a power adaptor may cause fires.	⊘ Unauthorized disassembly, repair or restructure is not allowed as fire or injury may result.
① The electrical plug should be kept clean and be tightly inserted into the socket, or fires may result.	① Unplug the appliance if the appliance develops a fault to avoid electric shocks or fires.
⊕ The electrical socket must be grounded by a qualified technician to avoid electrical shocks. After installation, the socket should be accessible.	① Do not install the appliance in an area where toxic or radioactive materials are stored.
⊘ Never ground the appliance to a gas or water pipe, telephone line or lightning rod as such connection may result in electrical shocks.	① Special personnel should be authorized for disposal of discarded appliances to avoid accidental entrapment in the appliance.
⊘ Avoid accidental access of steel wires or conductive cables into the airflow openings to prevent electrical shocks and damage to the appliance.	① Cables with a section area of 0.75mm <sup>2</sup> should be used for extension of power cable. Do not step on electrical cables when moving or installing the appliance. Damaged or worn electrical cables must be replaced with the material provided by an authorized after sales agent.

## Function and Instruction For 2-8°C Pharmaceutical Refrigerator



### 5 Adjust alarm temperature range: See fig #1

Two methods set high temperature alarm "HA" and low temperature alarm "LA"

Press "Alarm" button for 10 seconds. LED display code "HA",press "SET" button again(quickly),code "HA" flash, adjust the set- temperature by both pressing "+" and "-" buttons and increment 1°C, adjustment range shouldn't be 6°C higher than pre-set cabinet temperature,press "Alarm" button to return the former menu(each press of "Alarm" button will return one step back to former menu until display cabinet temperature) and LED display "HA" Press both "+" and "-" to choose another parameter "LA", "LA" setting method like "HA", and its adjustment range shouldn't be 6° C lower than pre-set cabinet temperature.

### 6 Defects display

The control panel only can display one sensor error, when the sensor error happens.LED display "E1",and alarm at the same time. The refrigerator will keep working according to the defect safty model,and you should put the stored goods to other refrigerator as soon as possible,and contact the after-sales department quickly.

### 7Inner light

In order to see the stored goods clearly, a LED light has been installed in the cabinet. You can control light "on" or "off"by "light" button to save energe,please turn off the light after observing the stored goods in the refrigerator.

The light is on when the door is open; The light is off when the door is closed.

# Function and Instruction For 2-8°C Pharmaceutical Refrigerator

## 1 Microprocessor temperature controller

Adjust the cabinet temperature easily by the microprocessor temperature controller in control panel installed on the top of the refrigerator. Don't do any adjustment in the first 30 mins when you first power the refrigerator.

LED

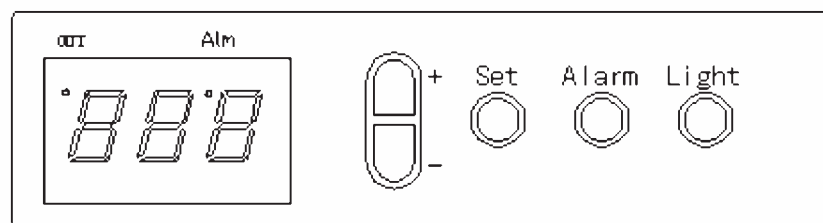


Fig 1

## 2 Temperature adjustment: See fig #1

Factory pre-set to 4°C. Adjustable temperature control range +2°C to +8°C

Set cabinet temperature: Press "SET" button and loosen quickly, LED display the pre-set temperature and flash.

Adjust the cabinet temperature with the buttons "+" or "-" and increment 1°C when the temperature flash. Automatically quit the system after 10 seconds no operation and display the cabinet temperature again (no flash). The cabinet temperature will reach pre-set temperature after a while.

High and low temperature alarm:

It will alarm when the cabinet temperature is higher than the high alarm temperature or lower than the low alarm temperature (buzzing and light flash). Press "Alarm" button to end the buzzer, but light flash going on until the cabinet temperature renew to the alarm temperature range.

## 3 Check alarm temperature: See fig #1

Press both "Alarm" and "+" button to check high temperature alarm, loosen buttons to return cabinet temperature display.

Press both "Alarm" and "-" button check low temperature alarm, loosen buttons to return cabinet temperature display.

## 4 Check recent highest and lowest cabinet temperature: See fig #1

Press both "SET" and "+" buttons to check recent highest cabinet temperature, loosen buttons to return cabinet temperature display.

Press both "SET" and "-" buttons to check recent lowest cabinet temperature, loosen buttons to return cabinet temperature display.

## 1. Control panel

The operation mode and temperature are displayed on the control panel. Pressing the button on the control panel will display the current temperature and warning data.

## 2. Battery switch

Rechargeable battery switch for control of power interruption. Position 1 for On, and Position 0 for Off.

**Caution:** The switch must be set to position On while the appliance is in operation.

**Caution:** Set the battery switch to position Off if the appliance is not used for a long period.

## 3. Door handle

Elegant design and unique finish.

## 4. Casters

Casters designed for free movement of the appliance.

## 5. Inner light

LED

## Location

The appliance should be located in an area where the following requirements can be satisfied.

### 1. Solid and flat surface

The appliance must be placed on a solid and flat surface, or excessive vibration and noise may be produced when the appliance in operation.

### 2. Away from heat sources

The appliance should be placed in an area away from heat sources, including radiators, gas or coal stoves, or the cooling efficiency of the appliance may be reduced.

### 3. Away from sunlight


The appliance may not operate properly if it is under direct sunlight. Prolong exposure to sunlight may shorten the service life of the appliance.

### 4. Dry

The appliance should not be placed in a damp area.

#### CAUTION!

##### Circuit breaker

 If the appliance has to be used in a damp area, a circuit breaker must be installed and the appliance must be grounded. The circuit breaker is installed in the power circuit. Contact authorized retailer or technician of the manufacturer for further information.

### 5. Clean and tidy

The appliance should be operated in an area free from chemicals, material, which might generate gas or excessive dusts.


### 6. Well ventilated


The appliance should be placed in a well ventilated area. Poor ventilation may reduce the cooling efficiency of the appliance.


### 7. Grounding


Appliance must be grounded to prevent electrical hazards.

#### WARNING

 Plug with a grounding pin should be used for the appliance to prevent electrical shocks.

 Do not ground the appliance to water pipes, as frequently PVC pipes are used for water supply system.

 Do not ground the appliance to gas pipes as this may result in dangers.

 Do not ground the appliance to telephone lines or lightning rods which may transmit strong electrical current in stormy days.

8. Ensure that no article can fall on the top of the appliance.

## Preparations for operation

### ① Remove all package assembly.

Including foam pedestal and adhesive tape which is used to fix accessories.

### ② Check off attached accessories and data.

Check the materials including in the box against the packing list. If there is any discrepancy, please consult the store where you purchased the refrigerator.

### ③ Place the refrigerator on a suitable position.

Please refer to the above-mentioned "Place environment".

### ④ Clean the refrigerator before operation.

For more information, please refer to the "cleaning" section.

### ⑤ Standstill.

After placing the refrigerator flat and completing the cleaning, do not electrify the refrigerator, until after 30 minutes of standstill so as to ensure smooth operation of the appliance.



ATTENTION

To facilitate the inquiry, please copy the refrigerator model and factory number onto the warranty.