

# Haier

## Four Glass Sided Chiller

SC112A



This chiller is fitted with an Energy Management System. Dairy products, fresh juices, produce and perishable food stuffs should NOT be placed in this chiller

Add: Qingdao Haier Special Icebox Co., Ltd.  
Haier Garden, Qianwangang Road Economic  
Development Zone Qingdao, Shandong  
266510 P.R. China

- ◆ Read the User Manual carefully before using your appliance.
- ◆ Keep the User Manual in a safe place.
- ◆ Original instruction.

EC Declaration of Conformity  
according to the Machinery Directive 2006/42/EC

For the following equipment :

Product :	FOUR GLASS SIDED CHILLER
Type Designation / Trademark :	SC112A
Manufacturers Name :	Qingdao Haier Special Icebox Co., Ltd.
Manufacturers Address :	Haier Garden, Qianwangang Road Economic Development Zone Qingdao, Shandong 266510 P.R. China

Refer to in this declaration conforms with the following directive(s)/standards:  
**2006/42/EC EN60335-1 EN60335-2-89.**

The company named above will keep on file for review the following technical documentation :

- Operating and maintenance instructions.
- Technical drawings.
- Risk assessment.
- Description of measures designed to ensure conformity.
- Other technical documentation ,e.g. quality assurance measures for design and production
- This product contains fluorinated greenhouse gasses covered by the Kyoto Protocol.Do not vent into the atmosphere.
- Refrigerant type:R134a
- GWP\* value:1300
- GWP=global warming potential



Meaning of crossed out wheeled dustbin:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact you local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposals at least free of charge.

Notice:

◆Foaming material is flammable, when discarded need professionals to do professional processing.

◆Replacement of LED lights, please contact the after-sales personnel operation

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According to the provisions of National Standards and Coca Cola Company's requirement, only Coca Cola beverage products are permitted for storage. Other products, such as live creatures, flowers, drugs, vaccine, chemical reagent, blood products and biological products are not permitted for storage.

## Features

### ◆Concept of product

With elegant shape and quick refrigeration speed,this product is an ideal choice for shopping malls,supermarkets,hotel and icerteria.

### ◆Design of transparent glass door

Using hollow tempered glass,the door with high transparency and good heat insulation,freezable are clear at a glance.

### ◆Wind cooling system

With fast cooling speed, there is more even temperature inside. .

### ◆Movable racks

It can be abjusted upside or down side for defferent goods ' size.

### ◆Door lock

Lock nose is set at the lower left comer of the door. Lock can be used here to make goods safe enough.

### ◆Box type refrigeration unit

With system part and key electric part inside,it is easier and faster for repair.

## Technical Date,Packing list

### ■Technical date

Modell	SC112A
Climate Classification	3
Anti-contacts protection	I
Noice (sound power level)	65dB(A)
Net Capacity	109L
Temperatur range	0~7.2℃
Voltage	220-230V/50Hz
Refrigerant	R134a/135g
Net weight	57kg
Externel Dimensions (mm)	470×470×1175

Noise:less than 65dB(A)

Class 3 means the temperature is +25℃.The relative humidity is 60%.

## After sales service

Any product has failure possibility, please watch the operation and the change of food stored during it works , If there are any abnormal cases, please handle them referring to the table below. If there is still no difference after handling, please inform our service center in time to avoid possible loss.

Freezer does not work

Please check power supply:

- ◆ Fuse damaged
- ◆ Not well contact between Plug and socket
- ◆ Input and control cord damaged
- ◆ Low voltage or if the door is open

Refrigeration effect is not obvious

- ◆ If there is too much food or hot food stored
- ◆ If there is enough space between adjacent foods
- ◆ If there is direct sunlight or other heating source nearby
- ◆ If the door is opened frequently

Too much noise

- ◆ If the freezer is placed unevenly,
  - ◆ If some part of the chiller touches external objects or wall.
- Caution When the cooler is running, it is normal if you can hear the wind because of the high power of fan motor

## Parts



## Notices For Safety

### Warning!

◆Power with single-phase AC 220-230V 50Hz is applied to this product. In case of a large voltage wave ranging over 15%, CAREL Ecobox will cut off power supply automatically and protect compressor from being damaged, In this case, please add an automatic voltage stabilizer (more than 1000W).

◆Only independent specially-designed socket and reliable earthing are permitted. The appliance must be positioned so that the plug is accessible Caution !Be sure to make plug and socket connected closely; otherwise it may lead to fire.

◆Never store in the freezer flammable, explosive and dangerous articles, strongly corrosive acid and alkali, medical and biological products that require specific temperature.

◆Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

◆Flammable spray agents are not allowed to be used nearby in order to avoid fire.

◆Once there is leakages of coal gas or flammable gas

◆turn off the leaking gas valve

◆open the door and windows

◆do not plug in or unplug the product

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

◆Be sure not to damage refrigerating circuit.

◆Once power supply is cut off and after plugging in again, CAREL Ecobox will delay starting up so as to prevent compressor and system from damage. Plug should be taken off from the socket during maintaining or repairing.

◆If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

◆Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

◆Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

## Cleaning Shutdown Questions and answers

### ■Cleaning & maintenance

◆Please unplug the freezer before cleaning.

◆Please use soft cloth or sponge with water or soap (non-corrosive mild detergent), while cleaning. After that, please wipe the freezer using dry cloth to keep the freezer from getting rusty.

◆Do not sprinkle water to the freezer and do not use hard or steel brushes to clean the freezer.

◆Do not use organic solvents, boiling water, washing powder or acid while cleaning.

### ◆Shutdown

If the freezer will be shutdown for a long time, please unplug first, then clean it as instructions mentioned above and open glass door to dry inside, then keep it with mothballs.

### ■Questions and answers

The following are not malfunction	
Phenomena	Reasons and solutions
Flowing noise in chiller	It is the sound that refrigeration agent is flowing in pipes. It is a normal phenomenon.
Refrigeration system is in shutdown for a long time while temperature inside is still very low.	chiller has good heat preservation effect. With less loss of cold quantity, and ambient temperature is relatively low, It is a normal phenomenon
Condensates on glass door	High indoor humidity or low inside temperature value is set.Wipe dry with a towel.

◆The design and manufacture of the chiller is according to national standard. If there is any question while using, please refer to this operation manual and determine whether it is caused by improper operation or not.

◆Before abandoning the freezer, please remove the sealing strip, so as to avoid accidents that are caused by children's entering.

◆After abandoned, the freezer should be far from fire and delivered to designated site for treatment..

◆When abandoning it,please remove the door and the lock to avoid possible accidents caused by children's entering.

## Electronic Controller

**Controller Operation** The electronic controller will automatically switch the chiller between 'Normal' and 'Energy Saving' modes depending on usage. If the front door (electronic controller side) is not opened for four hours, the chiller will automatically enter Energy Saving mode and the sign and interior lights will switch off. To manually switch the chiller between Normal and Energy Saving modes, press and hold the Energy Save (up) button on the electronic controller faceplate. The chiller can also be brought into Normal mode by holding the front door (electronic controller side) open for up to ten seconds.

When in Normal mode the sign and interior lights are on. When in Energy Saving mode the sign and interior lights are off. Press the Light button on the electronic controller faceplate to manually switch the sign and interior lights on and off.

**Messages and Alarms** The following table explains messages and alarms that the electronic controller displays.

Display	Description
20	The chiller is in 'Normal' mode and the electronic controller displays the chiller temperature.
E75	The chiller is in 'Energy Saving' mode. When in Energy Saving mode the temperature inside the chiller is moderated and the cabinet lights turn off. The lights can be switched on and off by pressing the light button on the controller faceplate, and the chiller can be switched into 'normal' mode by pressing the Energy Saving button on the electronic controller faceplate.
door	The front door has remained open for over two minutes. An alarm sounds, and the compressor and evaporator fan turn off.
E0	Probe failure. A temperature probe has failed and an alarm sounds. Contact a service agent.
E1	
E3	There is a refrigeration system error and the controller turns the chiller off to avoid damage. An alarm sounds, and the compressor and evaporator fan turn off. Contact a service agent.

## Ambient environment

- ◆ This product should be placed on flat and solid ground, with pedestal package removed so as to reduce vibration and noise. Tilting angle should not be more than 45 when transportation or moving.
- ◆ This product should be placed far from direct sunlight and heat source and the surrounding temperature should not be above 25°C.
- ◆ To ensure normal refrigeration effect and easy ventilation and heat dissipation, there should be enough room left around. Back baffle should be installed at the back side and there should be at least 5cm between the back side and wall.
- ◆ Do not place it in environment where it is too cold.
- ◆ Far from the humid place or where water is easily splashed. The splashed water and attains should be cleaned by soft cloth in time to prevent the product from getting rusty or affect the insulating property
- ◆ Do not place furniture or articles with sharp edges near the chiller in order to avoid possible collision while opening the glass door.

## Preparations before operation

### ◆ Removing all package materials

From the inside and outside of the chiller, including foam pedestal, adhesive tape (to fix accessories)

### ◆ Footing adjustment

Stably adjust footing according to the ground condition to reduce possible vibration and noise.

Caution Turn the feet to the lowest direction, close to the ground.

### ◆ Clean the chiller before operation

### ◆ Standing

After being moved, the chiller should be standing for more than 30 minutes before being connected to power.

### ◆ Plug in

Plug in to make a trial operation, then check the CAREL Ecobox display of temperature inside the box. If the temperature drops continuously without alarm, it means chiller runs normally.

### ◆ Loading product

Allow adequate air space around each item to ensure even cooling and efficient operation of the chiller.

Remove some product if the shelves are flexing. The maximum loading for each shelf is 25kg.

Do not let anything overhang the shelves, this might stop the doors from shutting or even break something.

## Electronic Controller

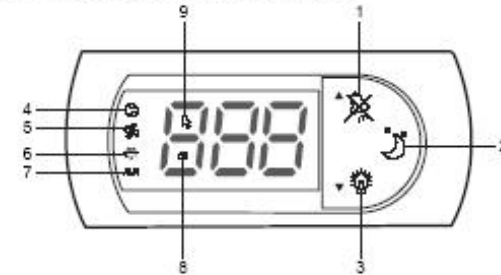
**Introduction** The electronic controller is the chillers brain, it is visible through a cut-out in the front panel.

The electronic controller controls and displays the chiller temperature and signals temperature alarms. It uses temperature probes around different areas of the chiller to collect data and runs the chiller accordingly.

The electronic controller is pre-programmed and requires no initial setup or additional programming. We do not recommend that the settings be changed unless it is absolutely necessary. To ensure efficient operation, the electronic controller forces a defrost cycle every three to six hours depending on usage.

**Door Switch** The front door is fitted with a door switch which tells the electronic controller when the door is opened and closed. If the door is opened for an extended period an alarm will sound. Press the alarm button on the electronic controller to mute the alarm (see below).

**Faceplate** Because the electronic controller plays such an important role, it's helpful to know the parts of the faceplate you may use.



No.	Item	Description
1		<b>Alarm mute (up):</b> Mutes the audible alarm buzzer.
2		<b>Day - Night:</b> Switches the chiller between 'day' and 'night' modes.
3		<b>Light (down):</b> Switches the cabinet lights on and off.
4		<b>Compressor:</b> ON when the compressor and condenser fan starts. Flashes when activation of the compressor is temporarily delayed.
5		<b>Fan:</b> ON when the internal cabinet fans are activated. Flashes when activation of the fans is temporarily delayed.
6		<b>Defrost:</b> ON when the defrost is activated. Flashes when the activation of the defrost is temporarily delayed due to procedures in progress.
7		<b>AUX:</b> n.a.
8		<b>Clock:</b> n.a.
9		<b>Alarm:</b> ON when alarm is signalled.



## Guide on drink preservation

- ◆ It is prohibited to store live creatures, drug, flowers etc.
- ◆ While drink is being preserved, it is required to keep 1-3cm between drink and inner wall of refrigerator, which is good for cold air circulation.
- ◆ There should be left enough space among drink for cold air circulation.
- ◆ Drink should be sealed and packaged before it is stored, which could not only prevent moisture from loss, but also avoid mixing of taste.
- ◆ When storing drink, pay more attention on the storage term marked by manufacturer.  
(You can mark the storage term on package to avoid overtime storage)

## Startup,operation and temperature adjustment

### ■ Operation

After chiller is placed, generally it should run without storage for about half an hour first, and then foods could be stored inside.

### ■ Temperature adjustment and refrigerating instruction

Storage temperature inside is controlled by the CAREL Ecobox system. the default setting of operation mode is relatively lower but the non-operation mode setting is a little bit higher. Temperature setting needs not adjusting in normal cases. If necessary, please call the service hotline

## Shelves ,Lighting

### Shelves

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**Adjusting the Shelves** The chiller is supplied with three wire shelves which may be positioned at different heights to suit various products. Each shelf is held in place with four shelf clips which engage in the shelf support strips.

#### To adjust the cabinet shelves

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1. Remove the shelves from the chiller.
  2. Remove the shelf clips from the four shelf support strips at each corner of the chiller interior.
  3. Establish the desired position for the shelves and securely engage a shelf clip in each of the shelf support strips.
  4. Sit the shelves onto the shelf support clips.
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### Lighting

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The chiller is lit by long life LED strip lighting. If any of the lights fail, contact an authorised service agent to service the lights.

## Cleaning

### Cleaning

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Many commercially available cleaning products contain solvents that may damage the plastic components of the chiller and cause them to crack. Do not use abrasive or corrosive cleaners or boiling water.

#### CAUTION

Isolate the chiller from the power supply before cleaning.

Wash with warm water and wipe down the chiller with a soft cloth or sponge, then rinse with clean warm water and dry with a soft cloth. The shelves can be lifted up and removed to assist with cleaning. Do not flush the cabinet with water.