

Haier



Transport cooler Operation Manual

Model
HZY-35B

Certificate of Quality

checker:



Manufacturer: Qingdao Haier Biomedical Co., Ltd.
Address: Haier Industrial Park, Economic Technology Development
Zone, Qingdao P.R. China
Web: www.haiermedical.com
Revision Date: 05/2020
Version: 1st, 2020
Dedicated code: 0270500000
V13026

- Please read this manual carefully before use.
- The company reserves the right to interpret the manual
- The product appearance is subject to physical object.
- Please keep it together with the invoice after reading.
- Please understand no further notice will be given in case of product technology or software upgrade.

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Warranty description

Overseas products have no warranty.

Specifications

Specifications

Name	Constant-temperature transit box
Model	HZY-35B
External dimensions (Width × Depth × Height) (mm)	550×328×370
Internal dimensions (Width × Depth × Height) (mm)	450×232×295
Insulating material	Hard polyurethane fluorine-free foaming
Refrigeration method	Passive refrigeration
Shell/liner	HDPE/HDPE
Net weight	9kg
Transit temperature range	2℃ ~10℃
Type of protection against electric shock	I
Holding time	6 hours (loading under 43℃ ambient temperature) 4 hours (loading under -10℃ ambient temperature)
Button battery	1.5VDC
Production Date/Software Release Version	See box bar code /V1
Expected service life	5 years

Note: The company emphasizes scientific and technological update. Please understand there will be no prior notice in case of any changes.

Packing list

Name	HZY-35B
Operation Manual	1
Warranty certificate	1
Confirmation of installation	1
Plastic bag	1
Ice bank	2

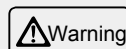
Safety precautions

Dear Haier Users:

Greetings! Thank you for using Haier constant-temperature transit box. In order to better understand this manual and use the product, as well as prevent personal injury and damage accidents, please read it carefully and observe the following symbols in this manual.



For all  marked cases, documents need to be consulted for the purpose of understanding the natures of the potential hazards and any countermeasures that must be taken.



Failure to observe the warning symbol may lead to serious casualties.



Failure to observe the notice symbols may result in casualties or damage to refrigerated container and related property losses.



Act or operation that must be prohibited.



Act or operation that must be observed.

 Direct current symbol

-  Please read this manual carefully before using the equipment. Not using the equipment according to the methods specified by the manufacturer may cause damage to protections provided by the equipment
-  Please be sure to place the transit box firmly on a solid and flat ground. If the ground is not firm or the place of installation is not appropriate, the transit box may overturn, even causing personnel injuries.
-  Please use the special power supply indicated on the nameplate of the transit box, otherwise fire or electric shock may occur.
-  Please use a reliable power outlet to prevent electric shock.
-  Do not use the transit box in open air. When the transit box is wetted by rainwater, it may lead to failure of electrical components.
-  Do not pour water directly onto the transit box, otherwise it may lead to electric shock or short circuit.
-  Do not place containers or heavy objects filled with water on the transit box. If an article falls, it may cause injury to personnel and loss of function of electrical components.
-  When unplugging from the power socket, hold the power plug tightly and do not pull the wires of the power plug. Pulling conductor hand may lead to electric shock or fire due to short circuit.
-  Users are not allowed to disassemble, repair or refit the transit box. Otherwise, fire or personal injury may be caused due to improper operation.
-  Before carrying out any repair or maintenance on the transit box, please be sure to remove the battery to prevent injuries.
-  Please ensure that drugs or suspended particles inside and around the transit box will not be sucked in during repair and maintenance, otherwise it may cause health hazards.
-  When storing toxic, hazardous or radioactive substances, please use the transit box in a safe area. Improper use may cause harm to human health or the environment.
-  When the transit box is not used for a long time, the battery should be unplugged to prevent it from over-discharging and affecting its service life.
-  If the transit box is left idle for a long time in an unsupervised area, please ensure that children do not approach the transit box and the door cannot be completely closed.
-  The scrap disposal of the transit box should be carried out by corresponding personnel. This equipment contains reusable materials and should be disposed of properly-It cannot be simply discarded together with unclassified household garbage. Instruments that are no longer needed must be handled in a professional and appropriate manner in accordance with the current local laws and regulations.
-  Do not store acid, alkali and other corrosive articles in the transit box. Otherwise, internal components or electrical parts of the transit box may be damaged.
-  Do not put plastic bags at places where children can approach, as plastic bags may cause suffocation accidents.
-  Do not climb onto the transit box or place articles on the transit box, otherwise personnel may be injured or the transit box may be damaged due to the overturning of the transit box.
-  Only professional technicians or after-sales personnel can install and repair the transit box.

- ! When restarting the transit box, please check the settings of the transit box. Changes in settings may damage placed items.
- ! Gloves should be worn during maintenance so as not to touch sharp edges or corners and cause injuries.
- ! When handling the transit box, care should be taken not to be tripped over by transit box so as to prevent damage to the transit box or injury to personnel.
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Cleaning and maintenance



- In order to prevent electric shock or personal injury, please be sure to remove the battery before making any repairs to the transit box.
- Please ensure that the drugs or suspended particles around the transit box will not be sucked in when maintaining the transit box, otherwise it may endanger your health.

Clean transit box

- Clean the transit box once a month. Regular cleaning can keep the transit box in a brand-new appearance.
- Wipe off a small amount of dust on the shell and inner chambers of the transit box and all accessories with a dry cloth. If the transit box is dirty, clean the it with a clean cloth soaked in neutral detergent, wipe off the residual detergent with a wet cloth, and then wipe with a dry cloth.
- Don't pour water onto the outer shell of the transit box or in the transit box, otherwise electrical insulation may be damaged and faults may occur.
- Mechanical parts are in a state of completely sealed, no need lubrication.

Stop using transit boxes

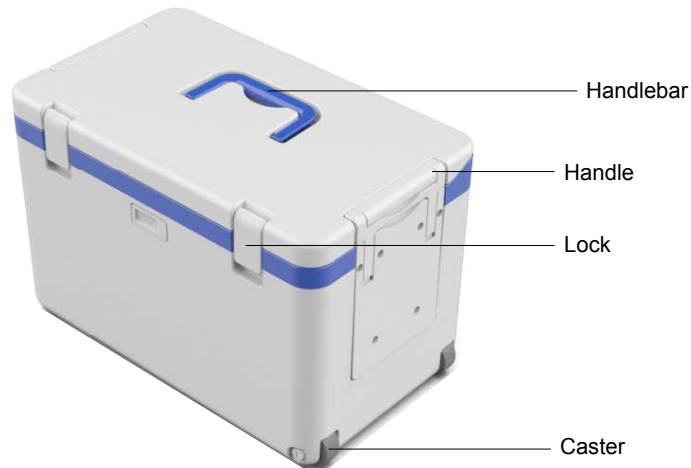
- Open the door of the transit box and thoroughly clean it.
- After the transit box is dried, close the door and put on a plastic bag for storage.



Do not replace the parts without our consent. If you need to order parts, please contact with our technical department.

Name of each component • Control panel

■ Name of each component



Precautions for use

- The temperature display value of the transit box is the value at the temperature sensing probe in the display box. Although the displayed temperature may differ from the actual temperature in the center of the transit box from time to time, it will gradually approach the actual temperature.
- Clean the transit box with diluted neutral detergent. Brush, acid, gasoline, soap powder, polishing powder or hot water should not be used to clean the transit box, as the above materials may damage painted surfaces and plastic rubber parts. Be careful not to wipe plastic and rubber parts with volatile solvents such as gasoline.
- Please reduce the time of opening the door as far as possible every time you access articles, so as not to cause large fluctuations in the temperature inside the box.
- After the door is opened, the temperature inside the box will rise sharply for a short time, which is a normal phenomenon, and this situation will recover within a period of time after the door is closed.
- Ice bank should be placed in a freezing environment and frozen for more than 4 hours and can only be used when they become solid. When in use, firstly put the load into the transit box behind pre-cooler, or take the sensor out and sandwich it between pre-cooling loads, then put the frozen ice bank into the upper layer.
- If the transit box is equipped with an indicator, it can display the temperature inside the box. Please replace the battery of the same model in time in case the power is found to be insufficient.

Product features

Intended Use: This product is used to provide a short-term heat preservation environment for medical institutions to transit or temporarily store blood and products, vaccines, reagents, etc.

Structure and composition: This product consists of heat preservation box, cold storage agent, data recording system (optional) and relevant accessories.

1. Temperature control

- During the heat preservation in the transiting process, the temperature in the box meets the range of 2 to 10℃.
- The temperature display accuracy in the box is 0.1℃

2. Safety system

- The door body adopts double-locking structure, which prevents it from being opened at will and ensures the safety of stored articles.
- The box body adopts rotational molding box shell, which is resistant to bumping, suitable for transportation, and is filled with high-density foaming materials to enhance heat preservation performance.

3. Refrigeration system

- Passive refrigeration, conduct freezing treatment in advance when putting ice bank into the box;
- Before transportation, in order to reduce the air temperature in the box, the box should be precooled at 2~6℃ in advance. In case precooling cannot be made, take the sensor out and sandwich it between precooling loads during transportation to sense the load temperature.

For specific functions, please refer to the equipment you have purchased.

Due to the improvement of the product, the Haier refrigerated transit box you purchased may not be completely consistent with the illustration in the manual. Hereby apologize. The instructions are subject to change without prior notice.

Product installation

■ Installation environment

- Ambient temperature: -10℃ to 43℃.
- Avoid large amounts of dust.
- Avoid mechanical shaking or vibration.
- Operating position of transit box: altitude below 2,000m.



- Due to the sensitivity of transit box to the ambient temperature, if it is installed in other environments than the above, the transit box cannot operate normally. Please improve the environment before using.
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■ Installation site

In order to ensure the normal operation of the transit box and obtain the best performance level, the installation site should meet the following conditions:

- It cannot be installed in a narrow and airtight space. At least the normal entry and exit of products should be ensured, so as to avoid maintenance difficulties caused by machine failure, making the machine unable to repair in time, which will cause damage to stored products.
- The ground at the installation site must be solid and flat.
- Good ventilation, avoid direct sunlight.
- Stay away from radiation areas and avoid using radiation sensitive equipment around them

■ Preparation Before Use

1. Remove the packing material and packing tape
Remove all packaging materials and tapes for transportation.
2. Inventory of random accessories
Please check the contents in the box according to that of the packing list. If there is any discrepancy, please contact the after-sales department in time.
3. Placement conditions
Select the appropriate distance according to the size of the space.
4. Ice bank precooling/box precooling
Take out the integrated ice bank in the transit box and put it into the freezing environment to precool for 4 hours;
Precool the box in advance in a refrigerated environment, or take the sensor out and sandwich in the middle of loads
5. Observation
After leveling and cleaning the machine body, put in the frozen ice bank to ensure the normal operation of the transit box.