

- The noise is too loud, please check:

If the freezer is put in a stable state

If one part of the box contacts the outside goods or the wall

# Haier

## Low Temperature Freezer

### Instruction Manual

### DW-40W100/255/380

## Technical data

Model	DW-40W380	DW-40W255 (BD-255LTA)	DW-40W100 (BD-100LTB)	Model	DW-40W380	DW-40W255 (BD-255LTA)	DW-40W100 (BD-100LTB)
Climate type	N	N	N	Input power	550W	370W	260W
Inside temperature	-25~-40°	-25~-40°	-25~-40°	Rated power consumption	5.10(-35°C)	3.80(-35°C)	2.6(-35°C)
Anti current shock type	I	I	I	Refrigerating medium	R23 and R600a	250g(R404a)	120g(R404a)
Effective volume	380L	255L	100L	Outline dimension (D*W*Hmm)	633*1550*838	633*1243*838	680*600*805
Rated voltage	220V	220V	220V				
Rated frequency	50Hz	50Hz	50Hz	The connecting method of power wire	Y	Y	Y

## Packing list

Product name	quantity	Item name	Instruction manual	Basket	Defrosting shovel	Plastic bag	key
DW-40W 380			1	3	1	1	2
DW-40W255 (BD-255LTA)			1	2	1	1	2
DW-40W100 (BD-100LTB)			1	1	1	1	2



Read this User's Manual carefully before using the appliance.  
Look after this Manual so that you may consult it in future.

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The product applies for business use.

For the freezer appearance, color or pattern, please see the physical product.

Storing of live stocks, fresh flowers, or other goods that have strict storing temperature requirement is forbidden.

report to local service center of our company in time lest any loss happens on you.

- The freezer does not work

Please check the circuit

Check if the fuse is in a sound condition

Check if there is any poor contact between the plug and the socket

Check if the input, control circuit is broken

Check if power voltage is too low or the connector is loose

- The compressor runs without stop

If the inside temperature is not low enough, please check:

If the evaporator surface frosts a deep layer and defrosting has not been done

If the freezer door is tightly closed or the door has been opened for too many times

If too much food has been put at one time or the inner space is too crowded.

If the environment temperature is too high

- If the inside temperature has reached the needed freezing temperature, please check:

If the set temperature value is too low.

normal situation.

- As the freezer use the freezer surface for heat radiation so the temperature there would be high. It is a normal situation.
- The sound of liquid flow would be heard inside the box. That is because the refrigerating medium is recycling flowing in the pipelines. It is a normal situation.
- The power consumption remarked in technical data is rated consumption and it is obtained on the condition that the freezer steadily runs for 24 hours without door open under 25°C environment temperature and -36°C inside temperature. When the freezer is overloaded, the environment temperature is high or the door has been opened for many times, the actual power consumption will be higher than the remarked consumption.

## After service

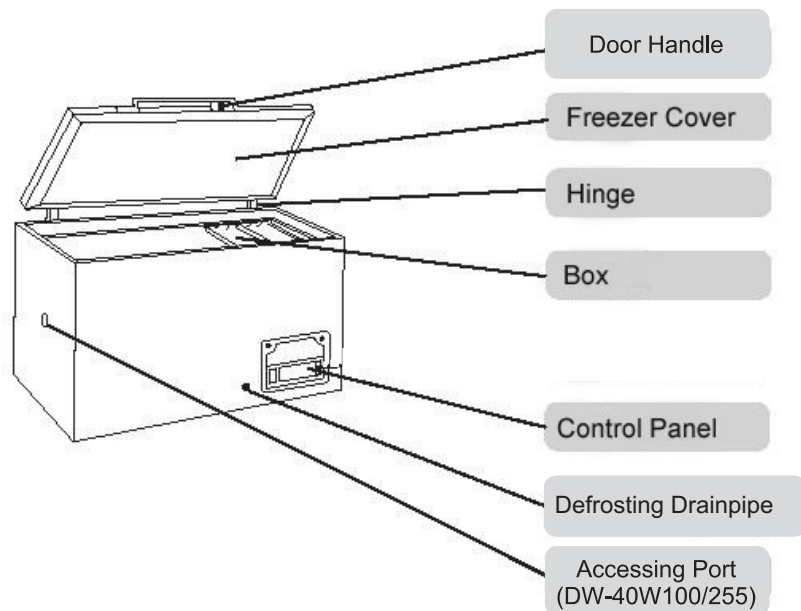
As any product has possibility of faults, please observe the running conditions of the freezer and change of the goods condition in use in time. If any abnormality occurs, please first check and handle the problem following the graph below. If the situation has not yet been improved, please

## Product features






- The product is controlled by microcomputer with digital temperature display and it has functions of start delay, stop interval and button lock-in protection.
- The product has sound and light alarming function for excess temperature to safeguard the goods safety.
- The product has quick-freezing function.
- The drainpipe design is convenient for discharge of defrosted water.
- The design of the lock makes the store of the goods safer.
- The product is installed with pressure equalizer for the convenience of the door open.
- "totally-enclosed" freezing structure with super cooling capability, and the inside temperature can remain about -40°C at lowest.
- The product is fit for low temperature storing goods for the hospital, epidemic station, institution, factory, etc.

Due to the product improvement, the Haier freezer you have bought may not be in accordance with the sample showed in the manual graph. We are regrettable if this happens.

## Component Name



## Cleaning and protection

-  For the sake of safety, please unplug the freezer before cleaning
-  When cleaning the freezer, please use soft cloth, sopped sponge or soap (any non-corrosive neutral abluent). After cleaning-up, wipe the freezer with dry cloth preventing it from rusting.
-  Please often erase dust from the condenser, the compressor and other pipelines with soft brush to keep a good cooling effect.
-  Please do not use organic dissolvent, hot water, laundry soap powder or acid material to clean the freezer.
-  When cleaning the freezer, do not use water to wash the freezer; do not use hard bristle brush, wire brush to clean the freezer.

## Answers to questions


### The following situations are not faults

- When the freezer is started or used for the first time, the working time would be long with loud noise which is a

impair the cooling effect and increase the power consumption. So at a period of time interval, when the depth of frost layer reaches about 10mm, use the plastic shovel to remove it.


2. Withdraw the inside goods before defrosting, place them in another freezing freezer for store. When defrosting, place the freezer in ventilation with the door open.

3. After the frost layer has been melted, sop water out with soft cloth or sponge, wipe the freezer with dry cloth, then plug it on, and put the goods in until reaching the set temperature.

4.  To expedite the defrosting progress, a flat container containing hot water with temperature below 50°C can be put inside the cabinet.

#### Stopping use

If the freezer is not in use for a long time, please cut off power, clean it as following methods, and after air dry with the cover open, seal it for store.

 Do not use electric heater for defrosting, and do not use metal tools or sharp tools for defrosting.

## Precautions

- This product use AC 220V-/50Hz power supply.
- If the working voltage is below 198V or above 242V, automatic voltage regulator with 1000W or above should be installed for adaptation. If the power wire needs to be lengthened, the cross section of the extended wire should not be smaller than 1mm<sup>2</sup>.
- Special socket should be used for ground connection. The power wire of the freezer has been connected with three-way plug (ground connection) which is in accordance with three-plug connector (ground connection) standard. On any condition, do not remove or cut the third plug of the power wire (ground connector). After the placement of the freezer, the plug could be reachable.
- Do not damage power wire
- Do not pull power wire when unplug the freezer. The plug should be firmly hold and pulled out from the socket.
- Do not let the freezer hold the power wire down or tramp the wire.
- When carrying the freezer, please be cautious and

carefully wrap the power wire. Do not roll or damage the power wire.

- When the power wire is broken
- When the power wire is broken or worn-out, do not keep using it. It should be taken to the service center or specialist for replacement.
- It is strictly forbidden for the storage of the inflammable and explosive articles and strongly corrosive acid, alkali, etc.
- Please do not use inflammable pressured spray near the freezer for fear of fire.
- When inflammable gas like coal gas is leaking, please:
  - Shut down the leaking valve;
  - Open the door and window for ventilation
  - Do not plug or unplug the freezer
  - Do not let children play nearby for fear of accidents
- Once the freezer is cut off, please wait for more than 5 minutes for the next power-on lest the compressor or system could be damaged. For protection and maintenance, please unplug the freezer. Please do not roll or damage power wire.
- Please wear the protective articles to protect from cold

## **Using methods**

1. If observation of the inside goods condition, please get off the tread choke plug on the inner side of the testing hole before running the freezer. If after-running observation is also needed, please take off the outside thread choke plug again. (Notes: the outside thread choke plug should not be taken for too long time lest inside cooling air leaks out).
2. If data testing is needed, just open the thread choke plug on two ends of the testing holes, then put testing wire inside, and put in the thread choke plug and screw it. Because the thread choke plug is made of rubber, it won't injure the testing wire.
3. If the inside temperature is too low, the door cover opens hard and the reason is that the low temperature causes low pressure inside the box. When this happens, please open the thread choke plug on two ends of the testing wire to reduce inside pressure for the convenience of door open.

## **Defrosting /stopping use**

### Defrosting

1. After using for a period of time, the evaporator surface will form a layer of frost. If the layer is too deep, it will

If the freezer stop running due to power failure or other faults, the inside temperature will go up and the inside temperature would possibly go back from -40°C to -32°C in 8 hours. If power can not supplied in a short term, please take out the goods for other low temperature store lest loss occurs on the stored goods.

Before putting goods into the freezer for low temperature store, please confirm if the freezer can meet the low temperature requirement you have set in advance lest any loss occurs resulting in the stored goods damage due to inappropriate temperature of the freezer.






## Purposes and using methods of the testing hole

### Purposes:


1. Observe the inside goods condition through the testing hole
2. By putting into P-wire test inside stored goods or inner environment
3. Balance the inside and outside pressure for the door easy open


injury when storing or fetching the goods from the freezer.

## Placing environment

-  The freezer should be placed stably and the packing base should be removed for reducing shake and noise. When it is carried or moved, the slanting angel shouldn't be larger than **45°** .
-  The freezer should be placed away from heat source and direct sunshine, and the environment temperature should not be higher **32 °C**.
-  Space should be left around the freezer for ventilation and heat radiation.
-  Do not place the freezer in a very cold frozen environment.
-  Do not place the freezer in a humid environment or place that often suffers water splash, and the splashed water or sewage must be wiped out by soft cloth in time.
- Rain drop is forbidden on the freezer.

## Explanation of the signs

**Attention:** any content with sign of " **Attention**  " concerns the product safety and the personal safety of the user, and the customer should strictly follow the practice of its content.

**Forbidden:** any content with sign of " **forbidden**  " is absolutely prohibited, or it will result in the freezer damage or endanger the user's personal safety.

## Preparations before use:

### 1. Remove all packing units

The foam base should also be removed.

### 2. Check attachment material

Please check the items with the content of the "packing list".

### 3. Clean the freezer before use

For detailed information, please see the next section "cleaning"

### 4. Stewing

Every time after carrying, the freezer has to be placed without any move for 10 minutes before power-on.

### 5 power-on

when the wire is wrongly connected or the temperature falls below  $-50^{\circ}\text{C}$ , the red light keeps on and the alarming sound does not work.

Suggestions: when judging the temperature sensor is in a wrong condition, please cut off power first and check if the connecting wire of the sensor is loose.



### Attentions:

If internal codes appear in users' adjustment of the temperature controller, please wait 1 minute for reappearance of the inside temperature, then do the next operation to avoid any faults caused by the change of control parameters.



an alarm, and in the meanwhile the alarm indicator light on the screen will glitter. Press any key will stop the buzzing, but the light keeps on glittering. When the temperature is within the limits, the alarm will stop.

When power connected, the screen of the cooler box shows the present temperature. Because the alarming parameter is Compared the setvalue(SA) needed inside the storage, the high temperature alarm temperature=SA+AH; the low temperature Alarm temperature=SA

-AL.If the setvalue is -25°C to -15°C someone want to change the high temperature alarm temperature from -20°C to -15°C and the low temperature alarm temperature from -30°C to 35°C, Please follow the steps below:

No.	Key-press steps	Display
1		The present temperature inside the storage
2	Press "SET" key for at least 5 seconds	Display "PS" and flash
3	press ▲ (up) Or ▼ (down) key	Until display "AH"
4	Press the "SET" key	5
5	press ▲ (up) key	10
6	Press the "SET" key	AL
7	press ▲ (up) key or ▼ (down)	Until display "AL"
8	Press the "SET" key	5
9	press ▲ (up) key	10
10	Press the "SET" key	AH
11	Press the "SET" key for more than 5 seconds to access the Parameter	The present temperature inside the storage

## Temperature adjusting

Errors on display:

When there is a short, broken circuit or breakdown of the temperature sensor, the temperature controller displays "E0" which is the only error signal; and this signal shows

Power the freezer on for test operation, if an obvious cooling effect has been produced after half an hour, it is a sign of normal working

## Confirm the goods that are suitable for store in the freezer

Before storing the goods, please check if the goods that are suitable for store in the low temperature freezer.

(1) The freezer can store packed goods for low temperature store, suitable for the hospitals, institutions and companies.

(2) The freezer can store frozen food or certain amount of normal temperature food. For vegetable or bottled beverage, etc. that are not suitable for low temperature store, please do not put it in the freezer.

(3) Any other goods that had been confirmed suitable for low temperature store.

## Starting up operation and temperature adjustment

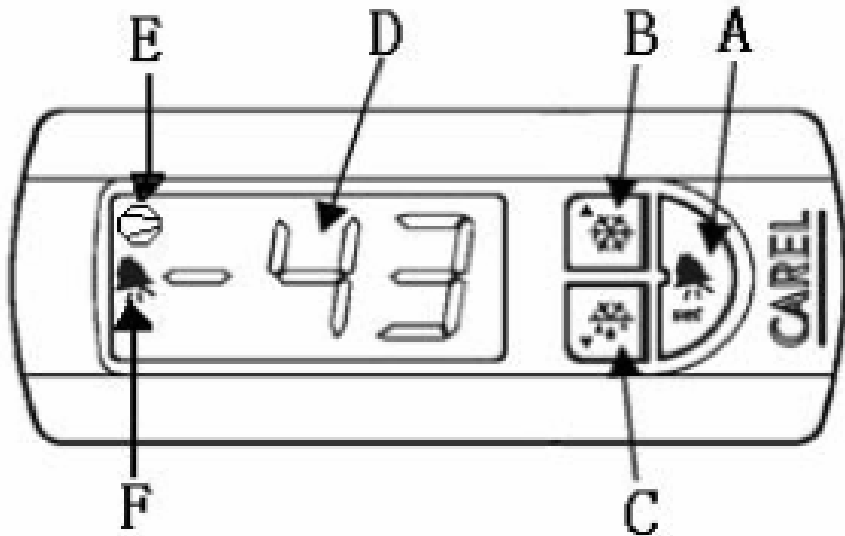
### Starting up operation

Do not put food into the freezer as instantly it was powered on. Let the empty box runs for a while (about 6 hours in

summer, 4 hours in winter ), then put the frozen food for store.

## Temperature adjustment

The electronic temperature controller has been installed on the control panel. When power on, the digital screen can show the inside temperature. The following is the electronic temperature sketch map.



A-set key    B- up key    C -down key    D - screen  
 E-output indicator light    F- alarm indicator light

When powered on, the screen shows the present temperature value, if temperature reset is needed, for example, adjust the preset value from -30°C to -35°C, and please follow the steps below:

No.	Key-press steps	Display
1		Show the temperature inside the storage
2	Press the key for at least 2 seconds	Display -30 and flash
3	Press "▲" (up) or "▼" (down) key	Until display -35
4	Press the "set" key for more than 5 seconds to access the parameter	Show the temperature inside the storage

## Adjust the temperature alarming limit

The electronic temperature controller has alarming function to ensure the safety of the goods inside the storage. When the temperature inside the storage is higher than the max temperature or lower than the min limit, the buzzer will give

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