

**Deep Freezer**

**User's manual**

# Haier

DW-40L626

- Please read this manual carefully before using.
- Retain it for future reference.

**Haier**

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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## Technical data

Model	DW-40L626
Ambient temperature (°C)	10~32
Circuit breaker	I
Temperature range (°C)	-10 ~ -40
Net volume (L)	626
Rated voltage (V)	220
Rated frequency (Hz)	50
Input power (W)	700
Weight (kg)	350
Dimensions (D×W×H)(mm)	895*920*1960
Connection type	Y

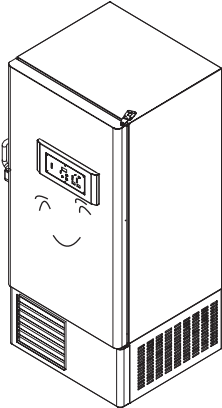
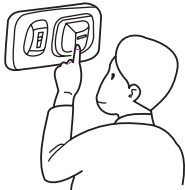
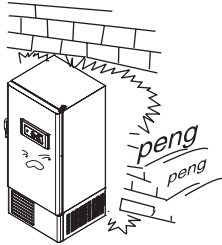
## Packing list

Model	DW-40L626
User's Manual	1
Plastic bag	1
Ice scraper	1
Key	2

\* The design, color and door pattern may vary from type to type of the appliance.

## After-sales service

It is widely admitted that any product might go wrong. From this point of view, you are suggested to pay attention to and observe the performance of your appliance and changes of materials stored inside the appliance. If malfunction occurs, make analysis and try to eliminate abnormal symptom according to the instructions stated hereinafter. Only call the service department if you cannot find any cause for the defect or you are not able to eliminate the fault after analysis of the possible fault factors.

<p>The appliance does not operate.</p> 	<ul style="list-style-type: none"> <li>• Incorrect voltage of power supply (Correct voltage is 220V); Power source not switched on.</li> <li>• Thermostat is not correctly set up.</li> <li>• The appliance is too close to heat source.</li> <li>• The appliance is located too close to the wall.</li> <li>• The condenser is dusty. (Clean the condenser with a brush.)</li> <li>• Large quantity testing samples are loaded in the most recent a few hours. (in such case, set the thermostat to higher temp scale and lower the setting when the appliance is in normal operational status.)</li> </ul> 
<p>Frost buildup forms on interior walls or around the doorframe.</p>	<ul style="list-style-type: none"> <li>• Materials in storage contact each other. (Space the materials, or wrap the materials if moisture is contained inside the materials.)</li> <li>• Appliance door is not properly closed. (Do not open the appliance door unless it is necessary.)</li> </ul>
<p>Large noise</p> 	<ul style="list-style-type: none"> <li>• The appliance is not placed on a flat surface.</li> <li>• The noise is generated by compressor. (Usually the in ultra low temperature, equipment generates louder noise than that of household appliances.)</li> <li>• Noise of banging The noise might be generated by the appliance parts due to sudden shrinkage. (It is suggested that temperature is decreased gradually, not swiftly.)</li> </ul>

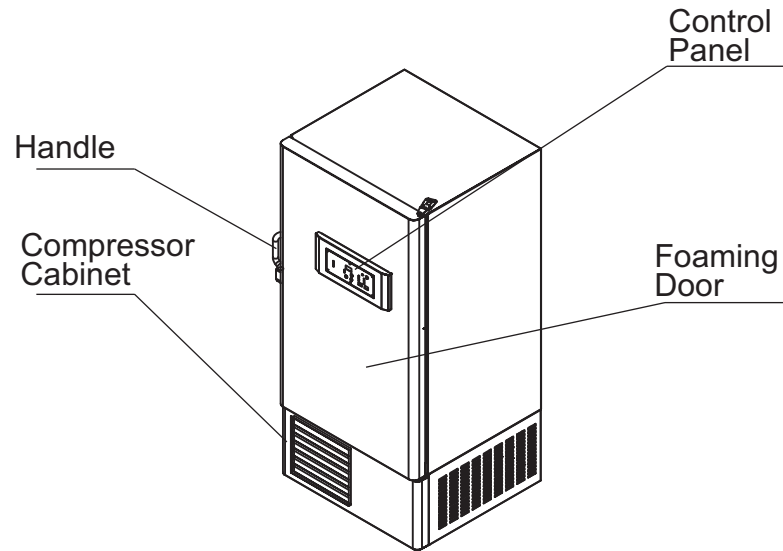
\* This appliance should not be used for storage of live creatures or fresh flowers, which have special requirement in temperature.

## Primary features

- Microprocessor control, digital temperature display and temperature range  $-10^{\circ}\text{C}$  to  $-40^{\circ}\text{C}$ , normally running range from  $-20^{\circ}\text{C}$  to  $-40^{\circ}\text{C}$ .
- Several protection function ( compressor delay protection, booster for low or high voltage protection)
- Excellent auto-cascade cooling technology and imported compressor make a more better cooling capacity of freezer
- Intelligent LED displays on the freezer can display the cabinet temperature, set point, ambient point, input voltage, which also can be set the high and low alarm temperature and indicate the operator the failure in process in the display.
- Creative whole door lock and handle and with tight castors.
- Application in hospitals, epidemic prevention service, research institutes and plants

Technical data in this manual may vary from that of the product you have just purchased due to technical improvement.

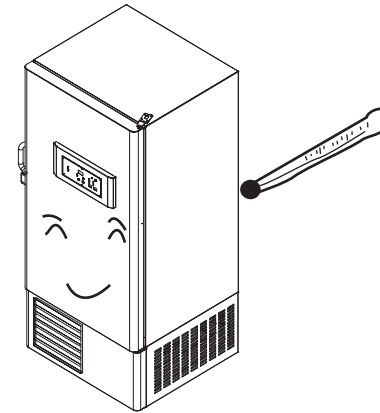
## Diagram of parts



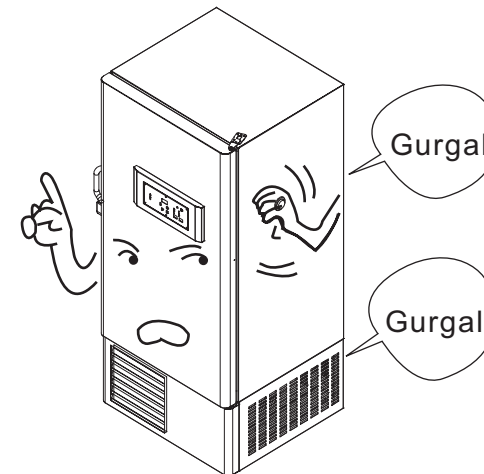
## Troubleshooting

The following events cannot be prevented.

When the appliance is first initiated, the appliance will keep operating for an extended period and generate large noise.



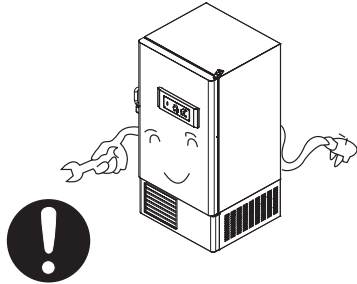
The refrigerant in the piping system may generate the sound of flowing water.



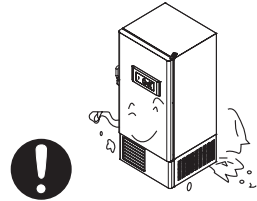
Dear customer,  
Thank you for your choice of Haier product.  
Haier product has combined the advantages of high technology and good quality and performance. For the convenience of your use, please read carefully the instruction manual and follow its practice.  
All along Haier's "International Star-rating service" will company you.  
Whenever any problem happens in your use, please contact us and our distributor whom you purchased and from we are always at your service.  
One more time we thank your for your use and introduce of Haier

## Cleaning

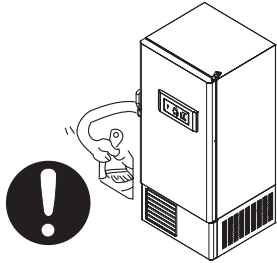
Unplug the appliance before cleaning is carried out for the appliance.



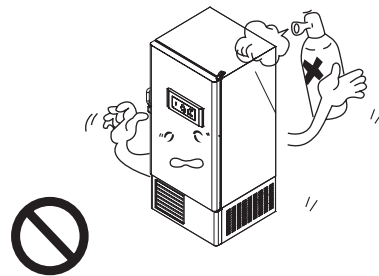
Use a piece of soft fabric or sponge dampened by water or soapy solution (noncorrosive mild detergent liquid) to clean the appliance. Finally wipe down cleaned appliance with a piece of dry fabric to avoid potential of rust.



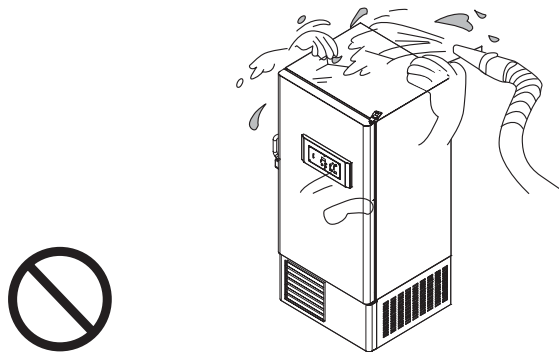
Clean the condenser, compressor and piping system regularly with a soft brush for a better cooling performance.



Never use organic dissolvent, boiling water, washing powder or acidic liquid for cleaning of the appliance.



Do not spray water over the appliance. Never use scrub or wire brush to clean the appliance.



## Safety precautions

This appliance requires 220V-50Hz supply. A regulator with a capacity of 4000W or higher must be installed if the voltage is below 198V or higher than 242V.

If the electric cord is to be extended, the wire with a cross section  $\geq 2\text{mm}^2$  and length less than 3 meters can be used.

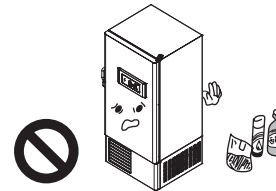


A separate earthed socket is required. The appliance is supplied with a standard three-pin plug, of which the one for grounding should never be removed.

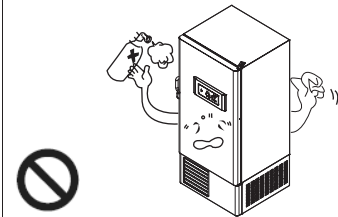
Warning: The electric plug should be firmly secured in the socket, otherwise fire may result.



Never store inflammable, explosive or corrosive materials in the appliance.



Do not use inflammable spray near the appliance.

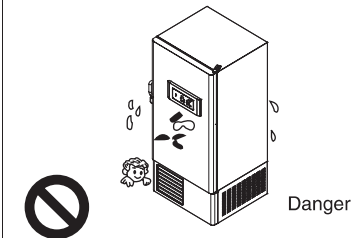


If inflammable gas leaks in the vicinity of the appliance,

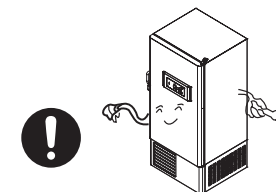
- Turn off any leaking valve;
- Open doors and windows;
- Do not plug or unplug the appliance.



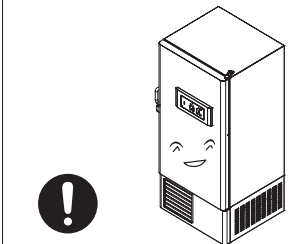
Never allow children enter the appliance to avoid accidental entrapment.



Allow a 5-minute lapse before restarting the appliance if power is interrupted and then resupplied for safety of the compressor and cooling system. Unplug the appliance when repair or maintenance is intended.



Protect your hands from frost damage when you are loading or unloading the appliance.

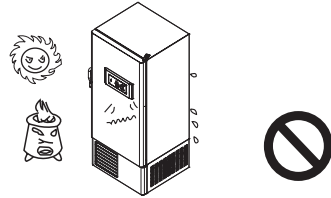


## Installation location

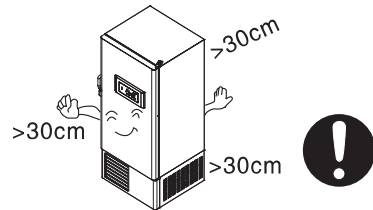
The appliance should be located on a solid surface without any packing material. When the appliance is moved, never tilt it over 45° nor apply force on pipes, door and/or handle, otherwise damages may result.



Keep the appliance away from direct sunlight or heat source. The appliance should be operated with an ambient temperature below 32°C.



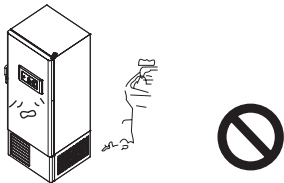
The appliance should be kept clear around for good ventilation.



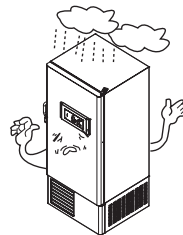
Do not operate the appliance in temperature below 5°C. The best ambient temperature for the appliance is 18°C~25°C.



Do not locate the appliance at a damp area or near a sink to avoid water splashes. Wipe down the appliance with soft fabric.



Never place the appliance in an open area.



Marks



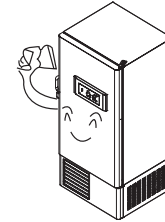
Caution indicates operations that should be avoided as injury to the operator or damage to equipment may result.



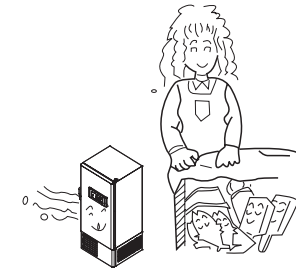
Warning indicates operations that should be avoided as fatal injury to the operator may result.

## Defrosting and out of service

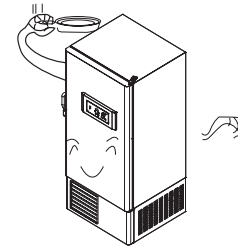
1. After a period of operation, frost may build up on the walls in freezer compartment. If frost buildup reaches 10mm, additional electricity is consumed. In such case, remove the frost with a plastic scraper provided by the manufacturer.



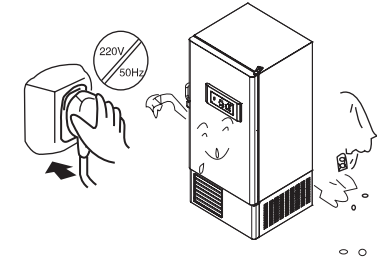
2. Remove the materials in storage before defrosting the appliance. In defrosting process, keep the appliance door open for ventilation.



3. After defrosting, wipe down the appliance with a piece of soft fabric or sponge, and then switch on the appliance and load materials when set temperature is reached.

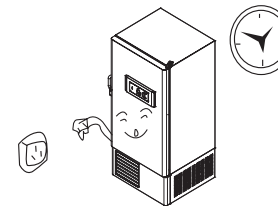


4. It is suggested that a bowl with 50°C water be placed inside the appliance to shorten the defrosting period.



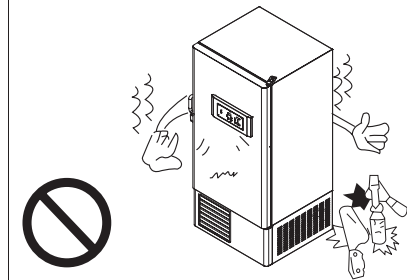
Out of service

If the appliance is not used for an extended period, disconnect the appliance with power supply, wipe down the appliance, open the door and remove all the materials. If the appliance is to be discarded, dispose the appliance to authorized collection center.



Warning

Never use an electric or sharp metal tool to remove the frost.



## 2. Adjust the setting value

### 2.1 "high temp. alarm" setting

During "high temp. alarm" setting, the digital Temperature value will be in flashing condition, the operator adjust the alarm value by "up" and "down" key. After adjustment, keep 10s, the control panel will enter the locked condition automatically and the digital displayer stop flash, which means your setting success. Otherwise, you didn't change the setting success. When the cabinet temperature is higher than high temp alarm value, the equipment will alarm the operator. And do not set the alarm value lower +5°C than cabinet temperature setting value..

### 2.2 "low temp. alarm" setting

During "low temp. alarm" setting, the digital temperature value will be in flashing condition, the operator adjust the alarm value by "up" and "down" key. After adjustment, keep 10s, the control panel will enter the locked condition automatically and the digital displayer stop flash, which means your setting success. Otherwise, you didn't change the setting success. When the cabinet temperature is higher than high temp alarm value, the equipment will alarm the operator. And do not set the alarm value higher -5°C than cabinet temperature setting value.

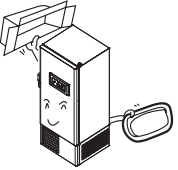

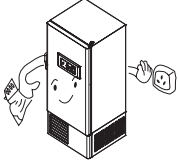


#### NOTE:

ULT freezer should be in charge of special person and check and record the operation condition in everyday. If it meet power cut or any other failures and the freezer doesn't work, the temperature inside cabinet will increase. And if there will be without power for a long time, please get out the storage and load them into other low temperature container for avoiding samples damage.

Please confirm again the temperature inside freezer is what you need before you load the goods into freezer, otherwise, it will be make damage to the goods for improper temperature.

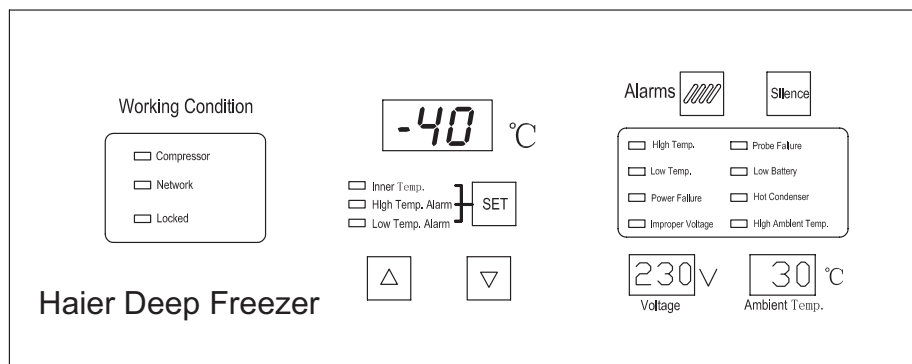
## Preparation and operation instructions

<p>1. Unpacking Remove all packing materials.</p> 	<p>2. Check attached accessories and materials. Check if all accessories specified in the Packing List are available.</p> 
<p>3. Clean the appliance. See section "Cleaning".</p> 	
<b>Operation instructions</b>	
<p>1. Leave the appliance standing in its final position for at least 24 hours before switching it on. Before power on, please do switch on the charge battery switch of the electric cabinet at the back of the machine can be seen at the back of the machine, about the charge battery switch fixed on the electric cabinet, and the charge battery switch is at the right up of the outlet of the electric cabinet power cord.</p> <p>2. If the ambient temperature is over 28°C, please cool down the temperature. If the ambient temperature exceed 32°C, please do not operate the freezer, otherwise, the compressor will be damaged easily.</p>	
<b>Warning</b>	
<p>1. This appliance is designed for storage, not production.</p> <p>2. Always make sure that appropriate materials are to be stored. Do not load hot materials in the appliance; otherwise the compressor might be damaged due to excessively extended operation period. Materials should be loaded separately by regulated volumes, and temperature be lowered by phases until desired temperature is reached.</p> <p>3. Please operate the machine as above process, which will make the equipments running in a good working condition and longer using life.</p>	

# Control panel

The control panel is located on the door of the appliance.

The diagram of the control panel is as follows:



## Functions and operational instructions of control panel

### 1. Control panel displayer

#### 1.1 Temperature display

After the appliance is initiated, the actual temperature, set temperature, ambient temperature and voltage are on display.

#### 1.2 Alarm

“The condenser is dusty, please clean it” is on display if the condenser needs to be cleaned.

“room temperature is not proper.” is on display if ambient temperature is high.

“room temperature is not proper” is on display if ambient temperature is low.

“Sensor error E2” is on display if the main sensor does not work properly and the alarm is activated. If the condenser sensor does not work properly, “Sensor malfunction E1” is on display. If the ambient temperature sensor does not work properly, “Sensor malfunction E0” is on display.

If input voltage is over high, the booster will be activated and “Voltage boost” is on display. If input voltage is over low, “Voltage too low” is on display, and the compressor can't be opened.

### 1.3 Malfunction and status indications

- When compressor is in operation, “compressor” is on display.
- “Network” indicates the network system is in working status.
- “Lock-on” indicates all setups are locked in order to avoid incorrect operations.

**1.4 set:** when the control panel is out of locked, repress the “set” key and “Temp. Inside” is in lighting, you can set this value. If “high temp. alarm” is in lighting, you can set high temp alarm value. If “low temp alarm” is in lighting, you can set low temperature alarm value.

### 1.5 Temperature setting

How to unlock the control panel?

At the state of unlock, press this key to set temperature. First press “up”, digital temperature begin to flash, and press “up” or “down” and let the value to “06”, then press the “SET” key for about 3 seconds. “lock” light die, that means it has enter unlock state. Press “SET” key again, check and set cabinet temperature, high temperature alarm, low temperature alarm step by step. Press “up” and “down” unconsciously, the temperature will be set per 1 °C, and if press keys continuously, the temperature value will be increased or decreased very quickly.

### 1.6 Silence

With this key, you can cancel the audio sound alarm, but the visual lighting alarm still flash to alarm the operator.

### 1.7 running off

When the operator need to stop the machines, first cut down the power supply (but the display board work all the same, this function is supplied by the charge battery), and then close the switch of charging battery which located at electric control box behind the cabinet.



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