

Haier



Low Temperature Freezer

Instruction Manual

Haier

DW-40L92

DW-40L188

DW-40L262

0800 222 812 minus80.co.nz info@minus80.co.nz

Please read this manual carefully
before operating the unit, and keep
it for future reference.

Haier

Content

Product features	1
Names of parts.....	2
Precautions	3
Placing environment	4
Preparations before use	5
Starting up operation and temperature adjustment.....	6
Defrosting /stopping use.....	9
Cleaning.....	10
Answers to FAQ.....	11
After sales service	12
Technical date/ circuit diagram	13
Packing list	13
Circuit diagram.....	13

Technical date/ circuit diagram

Model	DW-40L92	DW-40L188	DW-40L262
Environment temperature	10~32℃		
Inside temperature	-10~-40℃		
Anti current shock type	I		
Effective volume	92L	188L	262L
Rated voltage	220V		
Rated frequency	50Hz/60Hz		
Input power	220	290	340
Refrigerant	160	220	220
Outline dimension	597x610x860	597x610x1475	657x685x1665

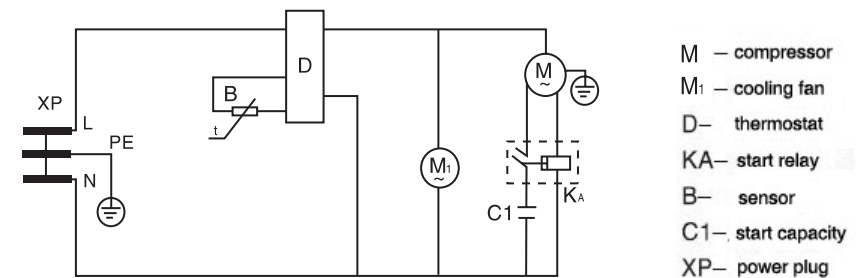
Notes: when the environment temperature is 25℃, the inside temperature of the empty box can reach -40℃;

when the environment temperature is 32℃, the inside temperature of the empty box can reach -35℃.

Packing list

model	quantity	Item	Instruction manual	drawer	Defrosting shovel	Plastic bag	handle
DW-40L92			1	3	1	1	1
DW-40L188			1	7	1	1	1
DW-40L262			1	7	1	1	1

Circuit diagram



If there is any improvement of the product, please follow the technical data and circuit diagram on data plate at the back of freezer.

After sales 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 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

Compressor
Always
On

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 box 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.

louder noise



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



After service particulars

Ever since the freezer has been sold out (follow the invoice date), the complete product enjoys one-year free maintenance. The main parts (include the compressor, evaporator, condenser, filter, capillary, case, door and air fan) enjoy three-year free maintenance.

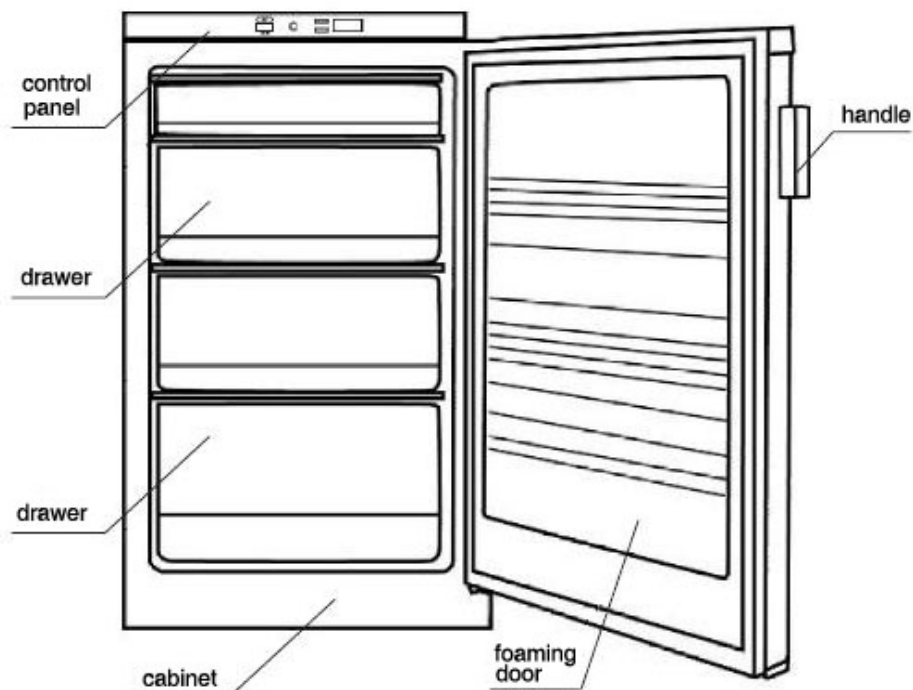
Guarantee certificate: when you need consulting or maintenance service, please take the guarantee certificate and product invoice with you, contact our local after service center and retain the guarantee certificate.

Product features

- The product is controlled by microprocessor with digital temperature display and the button has lock-in protective function.
- The product has sound and light alarming function for excess temperature to safeguard the goods safety.
- The product has supply-interruption memory function
- The evaporator has been made to be a shelf which makes quick and even cooling.
- “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.
- 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.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the appliance.

Due to the product improvement, the Haier freezer you have bought may not be in accordance with the sample showed in the manual graph.

Names of parts

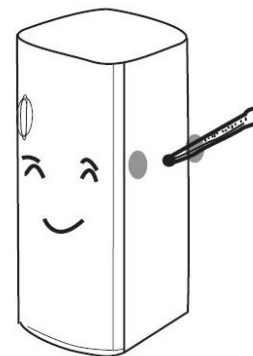


Dear customer,
 Thank you for your choice of Haier products.
 Haier product has combined the advantages of high technology and good quality and performance. For the convenience of your use, please read carefully the instruction manual and follow its practice.
 Haier's "International Star-rating service" will always accompany around you.
 Any problem happens in your use, please contact us or our distributors which you purchased from.
 One more time we thank your for your use and introduce of Haier product.
 Haier- What the world comes home to!

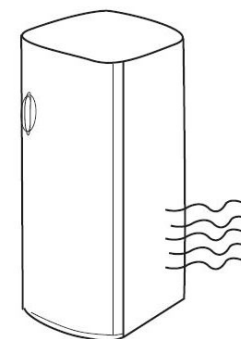
Answers to FAQ

The following situations are not faults

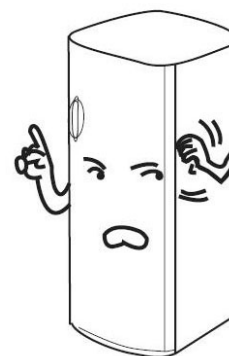
When the freezer is started or used for the first time, the working time would be long with loud noise which is a normal situation.



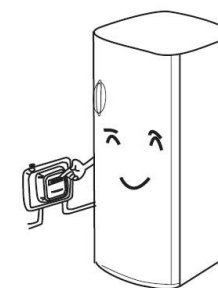
As the freezer use the back condenser surface for heat radiation so the temperature there would be high. It is a normal situation.



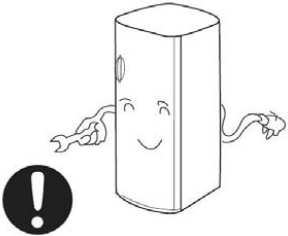
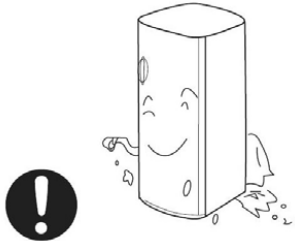
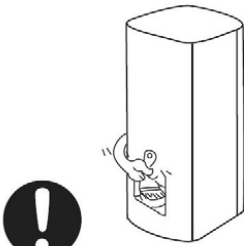
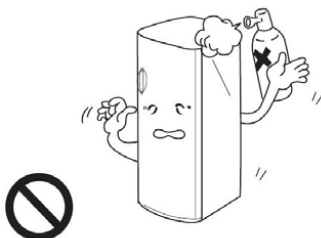
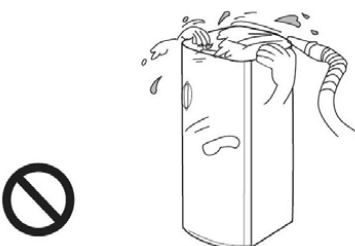
The sound of liquid flow would be heard inside the freezer. That is because the refrigerating medium is recycling flowing in the pipelines. It is a normal situation.



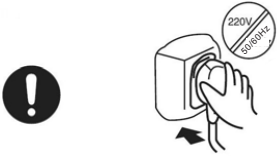

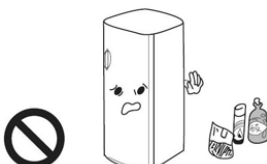
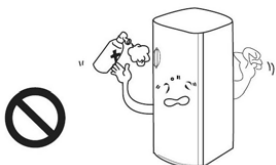


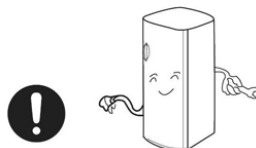
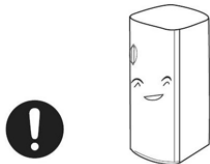
The power consumption remarked in technical data is rated consumption and it is obtained on the condition that the freezer steadily runs for 24 hours without door open under 25°C environment temperature and -36°C inside temperature. When the freezer is overloaded, the environment temperature is high or the door has been opened for many times, the actual power consumption will be higher than the remarked consumption.




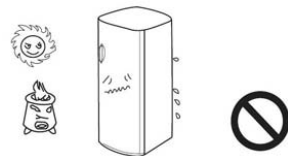
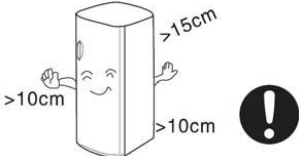

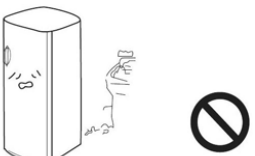
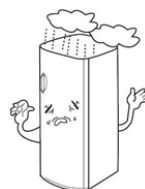
Cleaning

<p>Cleaning and maintenance For the sake of safety, please unplug the freezer before cleaning</p> 	<p>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.</p> 
<p>Please often erase dust from the condenser, the compressor and other pipelines with soft brush to keep a good cooling effect.</p> 	<p>Please do not use organic dissolvent, hot water, laundry soap powder or acid material to clean the freezer.</p> 
<p>When cleaning the freezer, do not use water to wash the freezer; do not use hard bristle brush, wire brush to clean the freezer.</p> 	

Precautions

<p>This product uses AC 220V/50/60Hz 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 1mm².</p> 	<p>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 touched.</p> 
<p>It is strictly forbidden for the storage of the inflammable and explosive articles and strongly corrosive acid, alkali, etc.</p> 	<p>Please do not use inflammable pressured spray near the freezer for fear of fire.</p> 
<p>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</p> 	<p>Do not let children play nearby for fear of accidents</p> 
<p>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.</p> 	<p>Please wear the protective articles to protect from cold injury when storing or fetching the goods from the freezer.</p> 

Placing environment

<p>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 should be larger than 45°C.</p> 	<p>The freezer should be placed away from heat source and direct sunshine, and the environment temperature should not be higher 32 °C.</p> 
<p>Space should be remained around the freezer for ventilation and heat radiation. Do not place the freezer in a very cold frozen environment.</p> 	<p>Do not place the freezer in a humid environment.</p> 
<p>Do not place that often suffers water splash, and the splashed water or sewage must be wiped out by soft cloth in time..</p> 	<p>Rain drop is forbidden on the freezer</p> 

Explanation of the signs

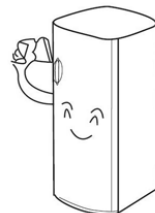

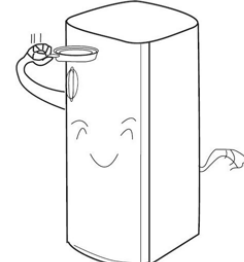
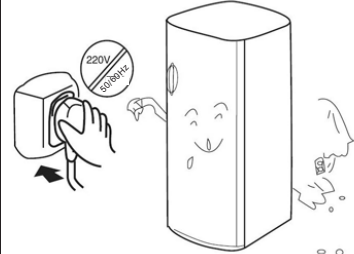
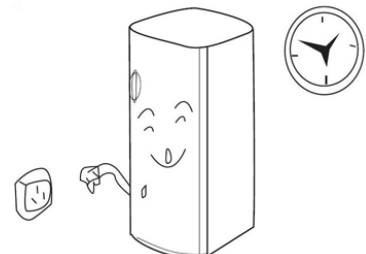
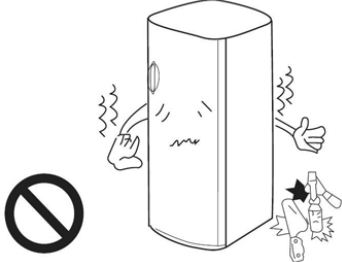


Attention: any content with sign of “ Attention” concerns the product safety and the personal safety of the user, and the customer should strictly follow the practice of its content.



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.

Defrosting /stopping use

<p>Defrosting</p> <p>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 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.</p> 	<p>2. Withdraw the inside goods before defrosting, place them in another freezer for store. When defrosting, place the freezer in ventilation with the door open.</p> 
<p>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.</p> 	<p>4. To expedite the defrosting progress, a flat container containing hot water with temperature below 50°C can be put inside the freezer.</p>  <p>Attention</p>
<p>Stopping use</p> <p>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.</p> 	<p>Do not use electric heater for defrosting, and do not use metal tools or sharp tools for defrosting.</p> 

Errors on display:

When there is a short, broken circuit or breakdown of the temperature sensor, the temperature display area shows "F1"; the low temperature freezer enters the protective mode. In this situation, the compressor falls into a fixed recycle of starting-up for 20 minutes and stopping for 5 minutes, 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:

The temperature of top drawer is 2-3°C higher than that of other drawers, so you'd better store the goods which have a strict storing temperature requirement into other drawers except top one.

If the freezer stop running due to power failure or other faults, the inside temperature will go up. 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.



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.

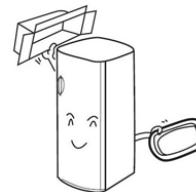
If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

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.

Preparations before use

1. Remove all packing units

The foam base should be removed.



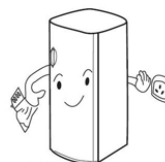
2. Check attachment material

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



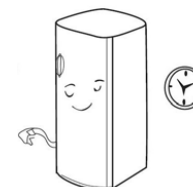
3. clean the freezer before use

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 30 minutes before power-on.



5. power-on

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.



6.

take out tow screw hole covers on the left side of the freezer door, mount the door handle and screw the bolt.



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.

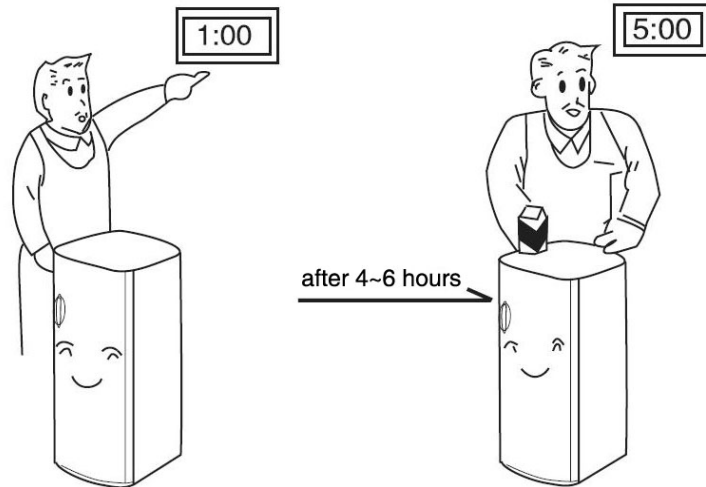
- (1) the freezer can store packed goods for low temperature store, suitable for the hospital, institution and companies.
- (2) the freezer can store frozen food or certain amount of normal temperature food. For vegetable or bottled beverage, etc. that are not suitable for low temperature store, please 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

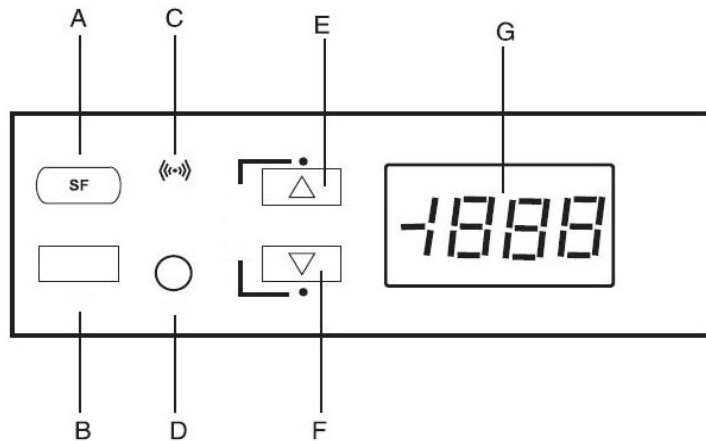
Starting up operation

Do not put any food into the freezer. Let freezer run without any products inside for some time (about 6h in summer, 4h in winter), then put the products into freezer 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-compressor on indicator B- compressor on key C-alarm indicator
D-buzzing release key E-up key F-down key G-screen

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

Temperature adjustment

Press “^”, “v” keys for 3 seconds simultaneously and the set temperature begins flickering. Every time when “v” key is pressed down, the temperature will drop 1℃ until -40℃, then press back to -10℃; Every time when “^” key is pressed down, the temperature will increase 1℃ until -10℃, then press back to -40℃; If no operation is done in 5 seconds, then it exits the set state to resume the normal temperature display.

Temperature alarming:

For the safety of the inside box goods, the electronic temperature controller has the alarming function. When the inside temperature exceeds the alarming upper limit or lower limit, the buzzer will give an alarm, and the alarming indicator light on the screen will flicker at the same time. Press release key to stop the buzzing (the alarming light will keep flickering). When the inside temperature is within the range of upper and lower limits, the buzzing will disappear automatically.

Over-high temperature alarming function:

When the freezing sensor shows the actual temperature above -15℃ (-15℃ not included), the over-high temperature alarm indicator light will be always on with the sound of buzzing (buzzing once per minute, three buzzes in one time at 0.5 second interval), press down the buzz release key to stop the buzzing while the red light keeps on (even more press will not work out to resume the buzzing sound, and only if the display temperature reduces to under -15℃ or power-off, the buzzing release key will automatically reset and the buzzing function will resume).

Notes: when the freezing sensor faults occur, the red light will be always on and the alarming light will loose function.

Supply interruption memory function:

When powered again after supply interruption, the low temperature freezer has memory function so that it can keep on working under the setting condition before the supply was interrupted.