



## PRODUCT DOCUMENT PACK

Prepared and distributed by KW Commercial Kitchen

### PRODUCT

## Thermaster 456L Chest Freezer with Flat Glass Sliding Lids – WD456G

**Model / SKU: WD456G**

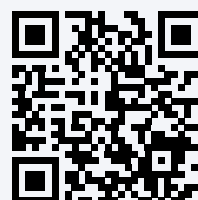
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Official supplier source: <https://www.foodequipment.com.au/amfile/file/download/file/4162/product/9209/>



## SHOWCASE

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### Instruction manual

- Please read the instruction manual carefully for proper usage.
- Please keep the instruction manual well.

**MODEL NO.: WD256G**  
**WD336G**  
**WD396G**  
**WD456G**  
**WD516G**  
**WD586G**

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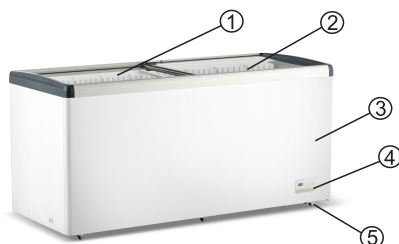
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## Part names

The below picture is for your reference. There maybe some differences from your appliance.



- 1 - Door
- 2 - Food basket
- 3 - Body
- 4 - Control panel
- 5 - Wheel

## Product features

- Very thick foaming for super heat insulation
- Deep body for higher capacities and smaller room occupations
- Safety lock optional
- Green refrigerant without HFC and FCKW
- Fashionable designs for comfortable use
- Fully tropicalised
- Fast freezing function
- Zintec coated anti-rust
- Technology for weak current

## Mark illustrations



**Warning** Wrong operations will cause users damaged or even dead



**Attention** Wrong operations will cause users or the appliance damaged



The wrong operations should be prohibited



The right operations should be performed strictly



It is a high temperature danger warning

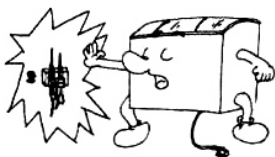


# Safety information

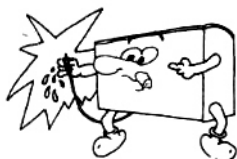
## ⚠ Warning and Attention

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 concerning use of the appliance by a person responsible for their safety. If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.

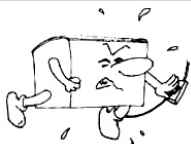
If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



Must use separate, well-earthed and 3 wires power socket with 10A or higher fuse. Do not use the appliance with any other appliance on the same socket to avoid hazard.



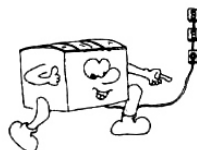
Do not plug in or plug out by wet hand to avoid to get an electric shock.



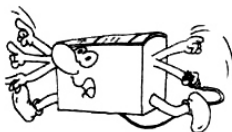
Plug in and plug out in a proper way. When plugging in, make sure good connection between the plug and socket. When plugging out, pull the plug and do not pull the cord to avoid losing in plug or damage in cord.



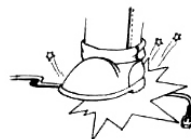
Do not spray on the appliance by water. It will damage the insulation or speed up the rusting on the metal parts.



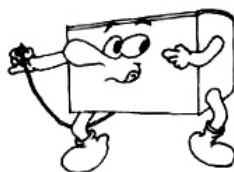
The socket must be well-earthed. The earthed terminal must not connect any gas pipe, water pipe, telephone cable, lightning rod and zero line. The socket should be with a current leakage protector as well.



Plug out at once if there is a abnormal working. Before eliminating the abnormality, do not plug in. Any abnormal working may cause hazard.



Do not squeeze, fold, knot or damage the cord. When the cord is damage, it must be replaced by the service agent or similar qualified person to avoid danger. Or it will cause electric shock and even fire.



Plug out before maintaining the appliance to avoid electrical shock.

# Safety information

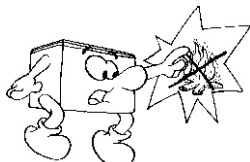
 Warning and Attention



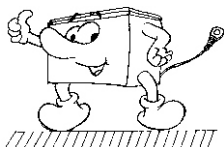
When there is some flammable gas (e.g. coal gas, natural gas etc) around the appliance, open the window and let the gas out firstly. Do not plug in or close thermostat to avoid an explosion cause from electrical fire.



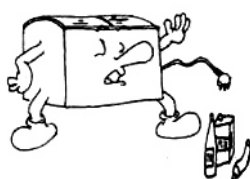
When the appliance is stopped or kept for a period, please keep the appliance in a place where no children play, and let the door not closed wholly to avoid children inside and asphyxial.



The refrigerant and the foaming material is flammable. When the appliance is abandoned, it should be kept from fire sources and not treated with fire. The appliance should be recycled by appointed institutions. Personal handling may cause danger.



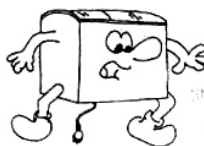
To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.



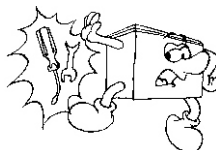
In the cabinet, do not store flammable, explosive or volatile goods. In the cabinet, do not corrosive goods such as acid or alkali.



Children should be supervised to ensure that they do not play with the appliance.



Do not spray explosive agent near the appliance to avoid fire or explosion.



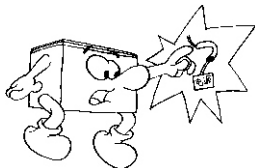
Do not damage the refrigerant circuit.



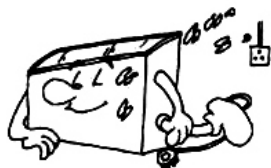
The product has glass door in order to avoid any injury please don't plap it or force it too much.

# Safety information

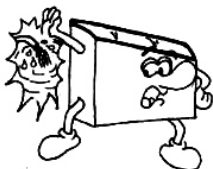
## ⚠ Warning and Attention



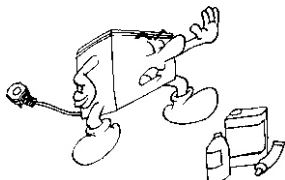
Do not touch the bare pipes or wires to avoid a potential scald or electrical shock.



If the appliance has not been used for a long time, plug out for safety.



Do not spray cold water onto the cabinet to avoid any damage on inner shell or safety problem.

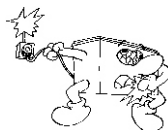


Do not store any medicine or study material which require a very accurate temperature.

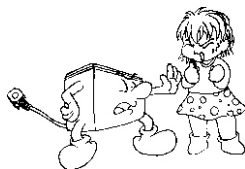


→ maximum capacity edge.

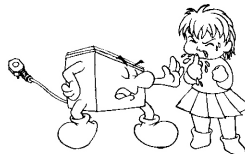
In order to keep the food, fruit and others in fresh situation, you'd better not load them over maximum capacity edge.



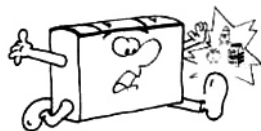
The working voltage should be 220V  $\pm 10\%$  / -15%. That is from 187V to 242V. If the working voltage is too low or too high, the compressor will be damaged.



Do not touch any pipes or electrical parts inside the appliance to avoid scald. Sometimes the pipes or electrical parts inside the appliance are at a high temperature.



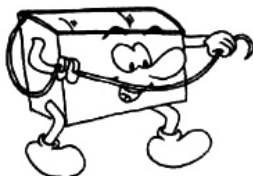
Do not touch the refrigerant pipes inside the cabinet to avoid low-temperature burns on skin.



Do not store any goods which are easily cracked after freezing (e.g. bottles or cans), when the temperature is under  $-18^{\circ}\text{C}$ .

# Safety information

## ⚠ Warning and Attention



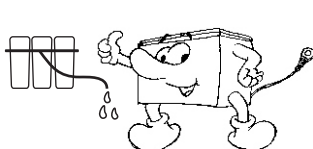
Remove the door seal to avoid asphyxia if children inside the cabinet, when the appliance is abandoned.



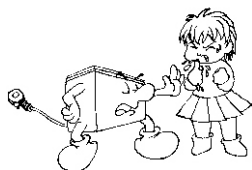
Plug out and take all the stored goods out before moving to avoid the appliance damaged or the users hurt.



Remove the flammable bottom polyfoams before using to avoid fire.



Connect to potable water supply only.



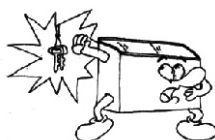
Do not touch the surface to avoid any scald during working or right after plugging out. At this moment, the surface is at a high temperature.



Do not let children take goods out by themselves to avoid any hazard.

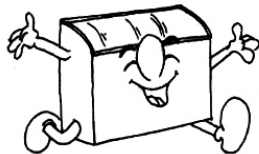


The refrigerant is flammable.  
Do ask Service Dept to repair if the cooling system has some problem.  
Do not disassemble, repair or modify the appliance by yourselves to avoid any refrigerant leakage.  
The refrigerant may ignite or cause eye injuries.

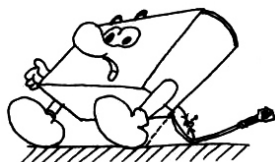


In order to avoid children were locked into the body. Don't let the key next to the products or other place that children can get it easily.

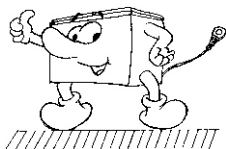
# Carrying and installing



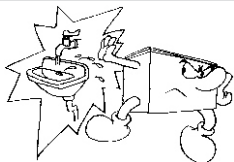
Carry the appliance carefully and avoid collisions and big shakes .



The incline angle should be less than 45° during carrying to avoid damages of the cooling system.



The ground should be flat, sturdy and horizontal for a stable installing. It is not only for safety, but also for a stable working of the compressor without big shocks and noises.



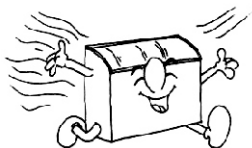
Install the appliance in a dry place. The appliance will get rusted and have a poor insulation if in a place with humidity or water for a long time. Do not install the appliance in the outside place where rain can reach.



Check all the positions for the package. Pack the appliance according to the original one before carrying.



Do not place the appliance under sunshine or near heating sources. It will increase the power consumption and decrease plastic parts or surface coatings life.

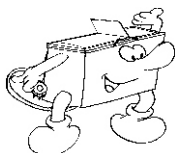


The appliance should have some distance from circumferences for good ventilation, heat radiation and power consumption decreasing.



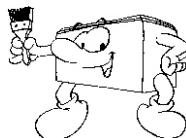
In order to make machine bottom cool quickly and let it move better, please take away the bottom foam.

# Usage at the first time



Place the appliance according to the installing requirements.

Open the door for air ventilating.



Clean the inner cabinet before using.

After installing the appliance, wait for 30 minutes at least before switching on the appliance.

(During transportation the oil in the compressor may have flowed into the refrigeration system.)

At the beginning, the cabinet is hot and the compressor will work for a long time and then stopped by the thermostat at the set temperature. At that time, the compressor can works and stops regularly.

Recommend to put goods into the cabinet when the cabinet temperature reaches the set temperature.

## Thermostat

### 1. Temperature Set

Please adjust set temperature after 30 seconds running.

Press '+' and '-' button at the same time for 3 seconds until the number on LED display flashes ("Sd" will be shown on LED display if set in quick-freezing mode). This number is the current temperature. Then press '+' or '-' to adjust the number.

Press '+' or '-' for once, the temperature will be varied by 0.1°C each time. Keep pressing '+' or '-' continuously, the temperature will be varied by 1°C continuously each second.

The temperature will be fixed after stopping pressing any button for 10s.

The adjustable temperature range is -30°C ~ 10°C.

### 2. Quick-freezing setting

#### 1) Enter quick-freezing mode

Press '+' and '-' button at same time for 3 seconds until the number on LED display flashes. This number is the current temperature, press quick-freezing button, then "Sd" will show on LED display, the quick-freezing mode will be fixed after stopping pressing any button for 10s.

#### 2) Exit quick-freezing mode

Press '+' and '-' button at same time for 3 seconds and the "Sd" show on LED display, then press quick-freezing button and the LED display shows number. This number will be fixed after stopping pressing any button for 10s; or press '+' and '-' button to adjust the set temperature after exiting quick-freezing mode.

In quick-freezing mode, the compressor will stop for 5-10 minutes every 4 hours.

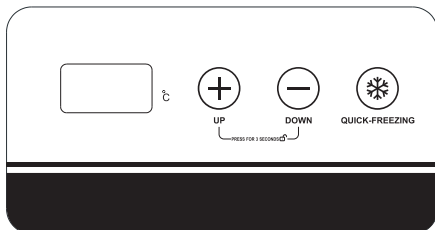
### 3. Fault mode

If the temperature sensor is fault, fault code will be shown on LED display and flashing.

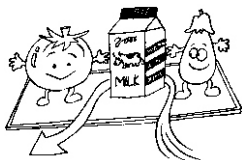
Sensor open circuit fault code: Er

Sensor short circuit fault code: Err

In Fault mode, the compressor will be stopped for 10 minutes every 20 minutes running.



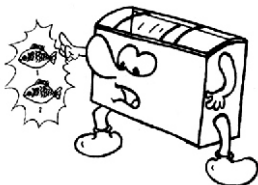
## General knowledge for usage



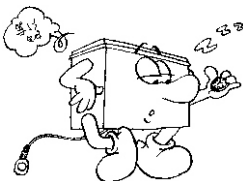
Keep some spaces between stored goods. It do good for cooling air circulating and heat exchange and a better cooling effect will be achieved.



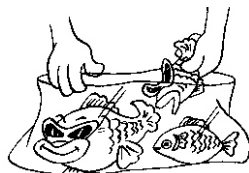
For hot food, hold it cooled and then put into the appliance. If put it in hot status, it will decrease the cooling level of the goods nearby.



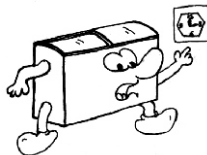
Put labels marked time onto the goods. The goods stored early should be taken out early.



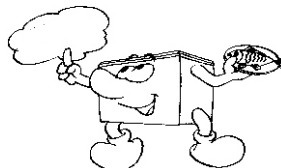
When switching off or a power cut, must restart after 5 minutes minimum. Or it will shorten the compressor life or even damage the compressor.



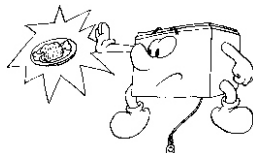
Seal the food by fresh kept bags or closed container to avoid smell-mixed or dry.



Open the door as briefly as possible. Make sure the door closed wholly to save power consumption.



Set different cooling temperatures according to different goods. Too low cooling temperature will waste power consumption.

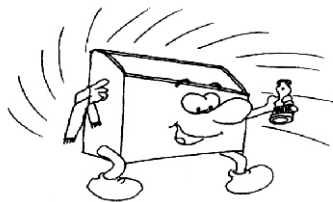


If know a power cut in advance, set the thermostat for a low temperature and keep the appliance cooling for some time. And open the door as briefly as possible. When power is cut, try not to open the door and do not add goods into the appliance.

## Cleaning and maintaining the appliance

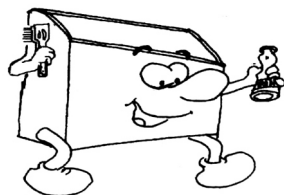
Regular cleaning and maintaining can prolong the life of the appliance and increase the cooling efficiency.

Plug out before cleaning or maintaining.



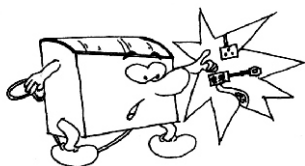
Clean the inner cabinet and outer shell in soft clothes with neutral agent & warm water.

Do not use hot water, corrosive cleaning agents or organic agent .



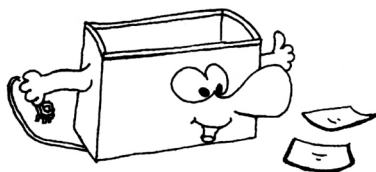
Clean the door seal by a bleach which diluted by 10 times water.

Then remove the remains by clear water.



After maintaining, check the below points to make sure safety.

1. If the connection is good between the plug and the socket?
2. If the plug is hot abnormally?
3. If there is any cranny or nick on the cord?



Before stopping for a long time, the appliance should be switched off, plugged out, cleaned wholly and dried for some days .

## Defrosting

Moisture in goods and air will change into frost on the low temperature surface of the evaporator ( the inner surface of the cabinet).

The frost will decrease the cooling effect. If the frost thickness reaches 5 ~ 7mm, defrosting should be carried out.

1. Switch off and plug out, and take out all the stored goods.
2. Open the door, and remove the frost by a special defrosting shovel when the frost gets soft.
3. Open the drain hole on the bottom, and open the drain cover on the outer shell. The frost water will go out through the drain pipe.
4. Wipe off all the frost water, then plug in and switch on the appliance.

When the cabinet temperature reaches the set temperature, put the goods back.

 Attention

Do not defrost by metal edge tools or electrical heating tools. They may damage the evaporator.



## Faults and diagnosing

| No cooling                                                                                                                                                                                                                                                                                                             | Bad cooling effects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>- Check if there is a power cut.</li><li>- Check if the connection between the plug and the socket is good.</li><li>- Check if the fuse is switched off.</li><li>- Check if the currency protector is workable. ( If the appliance is fixed with a currency protector)</li></ul> | <ul style="list-style-type: none"><li>- Check if the thermostat is on a suitable position.</li><li>- Check if the appliance is exposed to sunlight or near heat sources.</li><li>- Check if there is dust on the compressor and condenser.</li><li>- Check if the stored goods are too many.</li><li>- Check if there is no enough spaces between the goods.</li><li>- Check if some goods are hot.</li><li>- Check if open the door too frequently.</li><li>- Check if the door is closed wholly.</li><li>- Check if the frost on inner cabinet is too thick.</li></ul> |
| The appliance does not stop working                                                                                                                                                                                                                                                                                    | Big noise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <ul style="list-style-type: none"><li>- Check if the thermostat is on too high temperature.</li><li>- Check if put into too many goods.</li><li>- Check if the ambient temperature is too high.</li></ul>                                                                                                              | <ul style="list-style-type: none"><li>- Check if the ground is flat and sturdy.</li><li>- Check if the appliance closes to walls.</li><li>- Check if the appliance contacts something which is easily shocked.</li></ul>                                                                                                                                                                                                                                                                                                                                                 |

## Non-fault instances

When the ambient temperature is to high or opening the door very rarely, there is frost on the door frame and door seal. Just wipe off the frost water.

The appliance has a sound like water current or water boiling. The refrigerant goes trough the pipe to cause this sound.

The compressor and the condenser are hot when working.

The compressor works for a long time if too many goods put inside.

The compressor works for a long time if the ambient temperature is high in summer.

### Attention

If a problem can not be handled according to the instruction manual, please contact the Service Dept soon. Do not try to repair the appliance by yourselves.