



Always there for you.

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USER MANUAL OF REFRIGERATOR

Model:

**HRF-305 TBG
HRF-350 TBG**



Congratulations for choosing a high quality product by Haier THERMOCOOL.
Please read this owner's manual carefully before using your refrigerator.
Now you will be cool, with Haier THERMOCOOL.

 From the HPZ Limited

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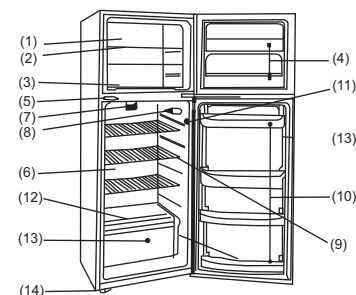
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Diagram of Parts



- | | |
|---|--------------------------------|
| 1 - Freezer Compartment | 9 - Refrigerator Shelves |
| 2 - Freezer shelves | 10 - Refrigerator bottle Seats |
| 3 - Defrost water outlet | 11 - REF Door Switch |
| 4 - Freezer bottle Seats | 12 - Crisper Cover |
| 5 - Lock Hinge | 13 - Vegetable Box |
| 6 - Refrigerator Compartment | 14 - Adjustable Foot |
| 7 - Turbo Fan | |
| 8 - Thermostat Assembly with LED
& knob Adjustment | |

The appliance must be positioned so that the plug is accessible.
If the supply cord is damaged, it must be replaced by the manufacturer,
its service agent or similarly qualified persons in order to avoid any hazard.

Warning: Keep ventilation openings, in the appliance enclosure or in the
built-in structure, clear of obstruction.

Warning: Do not use mechanical devices or other means to accelerate the
defrosting process, other than those recommended by the
manufacturer.

Warning: Do not damage the refrigerant circuit.

Warning: Do not use electrical appliance inside the food storage
compartments of the appliance, unless they are the type
recommended by the manufacturer.

Note: Given parts/diagrams & quantity will be change subjected to Refrigerator Model.

Safety Precautions



This product is for household use only!

Please read these instructions carefully before the first use of this product and save this manual for your future reference.

This refrigerator requires a 220V/50Hz supply. Failure in operation and damage to the control panel, thermostat or the compressor will occur if voltage is outside the range 160-260V unless a regulator with a capacity of over 750W or higher is installed.



A separate earthed socket is required. The refrigerator is supplied with a standard three-pin plug, of which the one for grounding should never be removed. For all models, proper grounding is required to avoid any electric shock.



Care For External Cable

*Hold the plug, not the electric cable, when unplugging the refrigerator.
*Ensure that the electric cable is not trapped by the refrigerator. Do not step on the cable.
*Avoid damage to the electric cable when moving the refrigerator.



Never store inflammable, explosive or corrosive material in the refrigerator.



Damaged Electric Cable

When the electrical cable is damaged or worn, turn off the refrigerator and consult an authorized service agent for replacement.



If inflammable gas leaks in the vicinity of the refrigerator

*Turn off any leaking valve;
*Open the doors and windows;
*Do not, under any circumstances, unplug electrical appliances in the vicinity of the leak.



Unplug The Refrigerator For The Following:

*Cleaning or maintenance;
*Replacement of lamp



Don't place electrical plugs, regulators or microwaves on top of the refrigerator. Don't use electric appliances (Except those allowed by manufacturer) inside the refrigerator.



Safety Precautions

This refrigerator should be used for food storage. It is not recommended to place microbiological or chemical materials, which have special requirement in temperature setting.



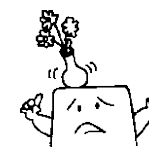
Do not swing on or apply excessive pressure to the refrigerator door.



Do not install the refrigerator near gasoline or other inflammable articles.



Don't place heavy or unstable articles or water containers on top of the refrigerator.



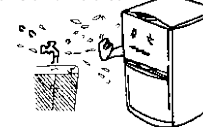
Do not touch the inner surface of the freezer compartment while it is in operation, especially with wet hands as the hands may stick to the surface of the freezer.



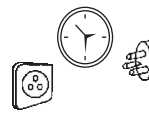
Never store bottled beverages in the freezer compartment.



Do not spray or splash water/any-liquid on refrigerator when cleaning, do not place refrigerator in a humid area.



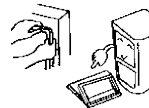
Unplug the refrigerator in the event of a power interruption or during cleaning. Allow at least 5 minutes lapse before restarting the refrigerator.



Disassembly, renovation or cooling system maintenance must be authorized by HPZ.



Remove the refrigerator door and door seal if the refrigerator is discarded to prevent accidental entrapment in the refrigerator.

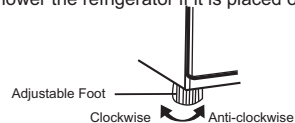


Please contact Haier Thermocool service centre as soon as you encounter any problem.

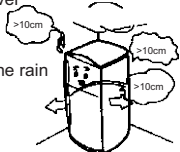


Location

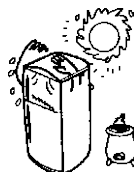
The appliance should be placed on a flat, solid surface. If the refrigerator is placed on a plinth, such a plinth must be flat, strong and made of a fire resistant material. The front stand of the refrigerator is rotatable; it can be adjusted clockwise or anticlockwise to lift or lower the refrigerator if it is placed on an uneven surface.



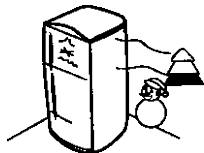
The refrigerator should be placed in a well-ventilated area, and a space of 10cm or more should be allowed around the refrigerator. Never operate the refrigerator outdoors or in the rain.



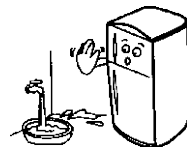
The refrigerator shall be placed away from heat sources or direct sunlight.



Never place the refrigerator in an area with an ambient temperature below 0°C. Never operate the refrigerator outdoors or in rain.



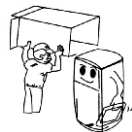
Never place the refrigerator near to a water source. Clean and dry any water splashes and stains with soft cloth.



Preparation

① Unpacking

Remove all packing materials.



②

Check attached accessories and materials.

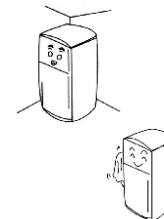
Check if all accessories specified in the Packing List are available. Contact the local distributor if shortage is found.



Preparation

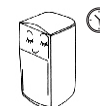
③ Ensure that the refrigerator is properly located.

(See section on " Location ")



④ Clean the refrigerator before using.

(See section on " Cleaning ")



⑤ Time lapse before power supply

Allow the Fridge to stand upright for at least 24 hours prior to plugging it to a power source.

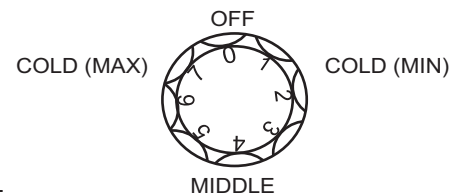


Caution: After unpacking, keep Warranty card safe because the model and manufacture number of the refrigerator is mentioned on it, which will be required if technical services are applied for.

Operation

① Power supply

② Adjusting temperature



0: OFF

1: MIN Temperature (T), the refrigerator and freezer set up cold

4: MIDDLE (T),

7: MAX (T) , the refrigerator and freezer setup coldest

Ambient temperature	Thermostat Selection
Super Freezer	7
Ambient (T) >40°C	4,5,6
26°C<Ambient(T)<39°C	2,3,4
Ambient (T)<25°C	1,2,3

Refrigerating storage compartment

The refrigerator is for short term food storage of daily consumption.

Although the temperature in most areas in the refrigeration compartment can be regulated between 0°C and 10°C, extended periods of food storage is not recommended. Refrigerator should only be used for short-term storage.



Storage Areas

As cold air circulates inside the refrigerator, temperature differences exist inside the storage compartments. Area ⑥ is the coldest. Different foods should be placed in different areas according to their properties.

- ① Eggs and butter
- ② Beverages and bottled food
- ③ Canned food and seasonings
- ④ Pickled food or canned pickled food
- ⑤ Wheaten food, canned food, and bean curd
- ⑥ Vegetable
- ⑦ Fruit, vegetables and salad



Refrigerating storage precautions

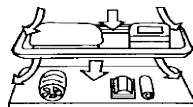
Food to be stored should be properly sealed.
This will prevent moisture in the food from evaporating and prevent vegetables and fruit from tainting in flavor.



Storage of sorted food
Food to be stored should be sorted according to consumer requirements. Food consumed daily should be placed in the most convenient area, this will minimize the number of times the door will be opened.



Do not store excess quantities or weights of food.
Food should be stored with spaces in between for better storage results. Never overload shelves, as they may collapse under excessive loads.

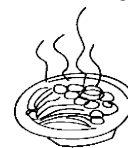


Do not place food too close to the internal walls.
Food with high moisture content should not be placed close to the walls of the inner liner. Maintain a space to prevent frozen food from sticking to the freezer walls.



Refrigerating storage precautions

Hot food must be cooled to room temperature before storing in the refrigerator.

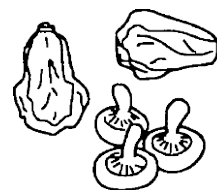


Dry any water droplets on the food before placing it in the refrigerator.

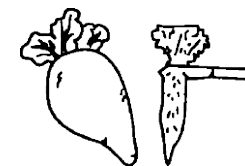


Refrigerating Storage Suggestions

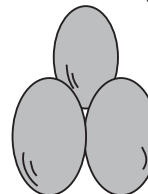
Storage period will be extended if vegetables are placed with their roots towards the cold source.



Leaves of carrots or turnips should be removed before storage.



Eggs should be stored vertically in the egg holder.



Frozen food can be placed in the cold compartment before serving, as this will conserve energy.



Onions, garlic, ginger, water chestnuts and other root vegetables should not be stored in the refrigerator, as these foods are suitable for long-term storage at normal temperatures.

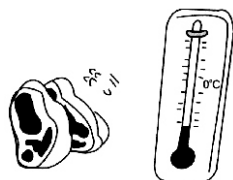


Ripe squash, melon, pawpaw, bananas and pineapples should not be stored in the refrigerator. Freezing will accelerate the ripening process.



Freezing storage compartment

As the freezer storage temperature is very low, fresh food can be stored in the freezer compartment for a long time. Food requiring long-term storage can be stored in the frozen food compartment. Follow the instructions on the package for storage period. Attention should be paid to the storage information printed on the food packing.



Food Storage Period

Maximum (Month)	Stay Best (Month)	Food
9	4	Meat
6	4	Lean Fish
6	2	Cakes, breads
3	1	Icecream

Storage period is subject to the detailed information on the food packing, property of the food for storage and special requirements.

Freezing storage precautions

Hot food should not be stored in the refrigerator until it has cooled down to room temperature.



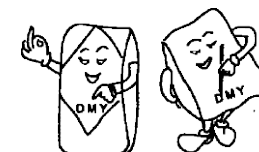
Food cut into small portions will freeze faster and be easier to defrost and cook. The recommended weight for each portion is less than 2.5kg.



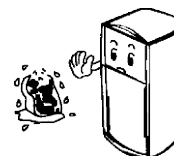
The outside of any food packing should be dried before storage in the freezer, and any packing materials should be odor-free, airtight, non-poisonous and nontoxic.



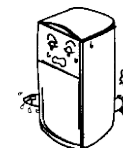
Food should be stored in accordance with any information printed on the packing.



Only remove the required amount of food from the freezer compartment. Defrosted food cannot be re-stored in the freezer unless it is first cooked.



Do not load excessive quantity of fresh food in the freezer compartment. Quantity of the food in storage shall comply with the cooling capacity of the refrigerator.



Defrosting & Cleaning

Manual defrosting

This refrigerator is designed for manual defrosting.

Cleaning

The refrigerator should be cleaned regularly to prevent the formation of bad odors.

- Disconnect the power before cleaning the refrigerator.
- Clean the refrigerator with a soft cloth or sponge with mild detergent.

Caution: Do not use a hard brush, steel brush, detergent, gasoline or other solvents, hot water, acid or alkali for cleaning.



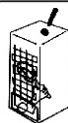
Dry water droplets on surfaces of the refrigerator with a piece of cloth.



Caution: Do not use excessive amounts of water for cleaning the refrigerator. Use a dry cloth to clean the switch and the lamp.



● Always keep the door gasket clean.



● Regularly clean the surfaces of the external shell and condenser to improve the heat elimination efficiency.

Vacation

Power interruption

Even in summer, food can be stored in the refrigerator for a few hours after a power interruption.

Don't put additional food into the refrigerator during a power interruption and try to open the door as less frequently as possible.



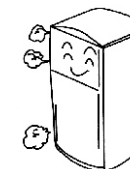
If prior notice of a power interruption is given, make some ice and put in a container in the top of the refrigeration compartment.



Caution: Temperature in the refrigerator will rise when there is power outage or technical problem thus reducing the expected storage period.

Cessation of operation

If you do not intend to operate the refrigerator for an extended period, unplug and clean it as previously described.



Keep the door of refrigerator open when the power is turned off to prevent any food remaining in the compartment from producing bad odors.



Caution: It is recommended that the refrigerator be not turned off unless it is necessary.

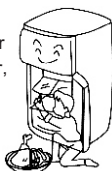


Caution: Do not restart the refrigerator until a period of at least five minutes has elapsed.

Vacation

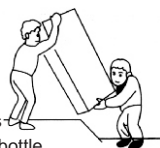
Before leaving for a vacation

- If the vacation is short, remove foodstuffs which can quickly spoil or are near expiry from the refrigerator, properly set the control panel, and make sure that the door of the refrigerator is properly closed.
- If the vacation is long, take out the food from the refrigerator and disconnect the power. Wait until the frost inside melts, clean and dry the compartment. Leave the door open to prevent formation of bad odor.



Moving the refrigerator

- Unplug the refrigerator.
- Remove all the food.
- Secure the vegetable and fruit shelves in the cold storage compartment, and bottle seats in the freezer compartment with tape.
- Tightly close and tape the door of the refrigerator.
- Do not tilt the refrigerator more than 45 degrees.
- Follow steps 3 – 5 in the "Preparation" section when you get to your destination.



Caution: Never place the refrigerator horizontally.



Troubleshooting

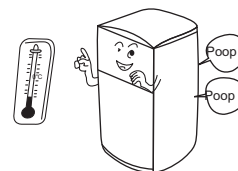
Moisture:

- If you observe moisture/water drops inside the refrigerator, there is no need to worry. This happens mostly during the rainy season and in highly humid areas. It also happens when the refrigerator door is opened and closed several times, when the compressor trips or when hot food is placed in the refrigerator.

Solution:

- Switch off the unit and wipe the moisture with cotton cloth/towel. Then start the unit at full knob.
- Avoid opening refrigerator doors several times in humid areas and during the rainy season.
- Home voltage should be as recommended in this manual. In case this cannot be achieved by the supplied power, use a voltage stabilizer recommended by an accredited technician.

The The refrigerator and its piping system may produce a slight sound when in operation due to ambient temperature changes.

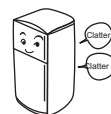


Temperature of the refrigerator and the compressor will rise and the compressor will run for comparatively longer periods when the refrigerator is first started.

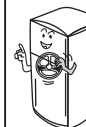
A slight sound may be heard when the appliance is first started. The sound will be lower and lower gradually after a short period.



The valve, starting capacitor and heat protector may produce a slight sound when the refrigerator starts or stops.

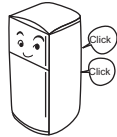


The compressor will operate for comparatively longer periods if excessive quantity of food is stored or the ambient temperature is high.

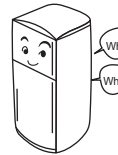


Troubleshooting

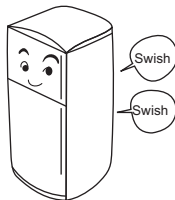
A slight sound may be produced by defrosting water flowing into the evaporating recipient and the compressor at the moment of operation commencement or vacation.



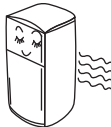
The inner pipe produce a slight sound.



A slight continuous sound can be heard when the liquid refrigerant circulates to the evaporator.



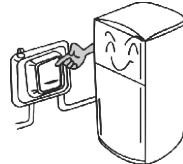
The back of the external surface, will be warm due to heat radiation of the appliance.



Water droplets may occur on outer surfaces and middle connection of the refrigerator due to heavy moisture in room air. Wipe clean with soft cloth.



Energy efficiency specified in the technical parameters complies with government standards and is measured under the following conditions: ambient temperature 32°C, refrigerator compartment temperature 5°C, freezer compartment temperature -18°C and 24th continuous operation with doors closed, Actual power consumption may exceed this value if more food in storage, ambient temperature higher and the door more frequently opened.

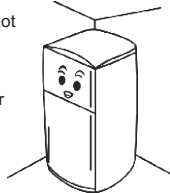


Please take safety precautions while repairing Refrigerator with R600a refrigerant.



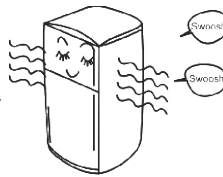
Excessive vibration will result in the following circumstances:

- The refrigerator is not well positioned and adjusted.
- The refrigerator is placed on a wood floor or near to wooden furniture.



Liquid refrigerant flowing in the evaporator may produce a slight sound similar to that of flowing water.

When the refrigerator is stopped, the back flow refrigerant may also generate that sound.



Please make sure that the company recommended Thermostat and R600a Compressor are used as replacement when necessary for this unit.

After-sales service

In the event that the refrigerator does not work properly, please check out and solve problems according to the following methods. If problems persist, contact the after-sales service center. Information of model, accessory list and serial number of the refrigerator is required. Please determine the cause of the problem before making any repair.

The refrigerator does not operate.

Voltage is low.



Disconnection to the power supply (plug, socket or fuse).



Lamp does not illuminate.

The bulb is bad.



Power supply is not connected.



Excessive noise

Contact between the refrigerator and a wall or other article.



Uneven placement.

Set temperature not reached.

Door is not properly closed, or the door is opened for long period.



Refrigerator is in direct sunlight, or close to a heat source.



The area is poorly ventilated, or the two sides of the refrigerator are covered by too much dust.



Please determine the cause of the problem before making any repair.

Strange Odor

- Failure to seal food properly
- Rotting food inside refrigerator
- Failure of regular cleaning of the refrigerator.

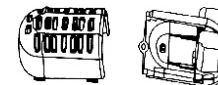


Prolonged Operation Period Compressor

- Initial operation
- Large quantity of food loaded
- Hot weather
- Frequent opening of the refrigerator door
- Door not properly closed
- Improper temperature setting (see the section Operation)
- Poor ventilation

A) Filament Bulb/Lamp and replacement

Lamp: 220V, 15W
Lamp holder: E14 (lamps exceeding 15W must not be allowed)
When replacing the lamp,
1. Unplug to disconnect the power
2. Remove the food shelf in front of the lamp.
3. Insert a flat tool into the slot Push upward to remove the lampshade.
4. Remove the lamp by turning anti- clockwise and install a new lamp by turning it clockwise.
5. Properly install the lampshade after ensuring that all legs on the cover are placed into the holes on the lamp holder.



B) LED Lamp and replacement

Lamp: 220V, 1.5W (1 Unit Assembly)
When replacing the LED,
1. Unplug to disconnect the power
2. Remove the food shelf in front of/below the lamp.
3. Insert a flat tool into the slot Push upward to remove the lampshade.
4. Disconnect the LED Thimbles and pull out the LED from slot.
5. Install a new LED and fit in slot and connect the thimbles again.
6. Properly install the lampshade after ensuring that all legs on the cover are placed into the holes on the lamp holder.

Note: CSD technician should follow (A) or (B) according to unit. LED lamp / Filament Lamp should be haier recommended.

Technical Information

MODEL	HRF-305 TBG	HRF-350 TBG
Freezing Class	***	***
Climate Class	T	T
Net Storage Volume (L)	276	306
Freezing Capacity (Kg/24h)	4.5	4.5
Refrigerant (R600a) (g)	48	50
Voltage (V) / Frequency (Hz)	220-240/50	220-240/50
Lamp Power (W)	1.5	1.5
Net Dimensions (HxWxD) (mm)	1506*595*600	1641*595*600
Net Weight (Kg)	58	60
Thermostat Assembly	Yes	Yes
Fan assembly	Yes	Yes
Power Control Kit	No	No
Lock	Yes	Yes
Adjustable Feet	Yes	Yes
Drain Facility	Yes	Yes

Note:

- According to the regulations of international organizations concerned, electrical refrigerators with climate classification T, should be used in an area with an ambient temperature of 16°C - 43°C.
- Layout of the refrigerator that you have just purchased may vary due to technical improvement of this company.
- Haier Thermocool reserves the right to change specifications as part of its policy of continuous improvement.
- All capacities are approximate.
- For all refrigerator models, specially inverter series, proper earthing is mandatory to avoid any electric shock.

Packing List

MODEL	HRF-305 TBG	HRF-350 TBG
User Manual	1	1
Warranty Card	1	1
Egg Rack	2	2
Ice Cube Tray	2	2
Ice Scraper	1	1
Drain Rod	1	1
Drain Hole Cover	1	1
Freezer Food Shelves	2	2
Freezer Bottle Seat	2	2
Refrigerator Food Shelves	3	3
Refrigerator Bottle Seat	3	4



Haier THERMOCOOL produces high quality refrigerators which are strong, reliable, elegantly styled – yet practical and long lasting for most demanding tropical climate and conditions.

Haier THERMOCOOL new generation refrigerators are convenient to use, highly efficient, energy saving and are built for quiet running to with, stand voltage fluctuations.

Unique **Haier THERMOCOOL 36 MONTH GUARANTEE** on compressor and cabinet gives you peace of mind and assured satisfaction from the moment of purchase. The 12 MONTH GUARANTEE covers:

- FREE Parts replacement under warranty
- FREE Repair under warranty

Unique **Haier THERMOCOOL NATIONWIDE SALES and SERVICE NETWORK** offers you fast, reliable service and replacement spare parts which will normally available for many years. Sales & service available in ILUPEJU, IBADAN, BENIN, WARRI, PORT HARCOURT, ABA, ENUGUO, NITSHA, KADUNA, ZARIA, KANO, JOS, MAIDUGURI, MINNA, ABUJA. Contact **HPZ** or your **Haier THERMOCOOL** distributor for information.

... always there for you

Haier THERMOCOOL reserves right to amend specifications without notice as part of its continuous improvement programme. **Haier THERMOCOOL** is a registered trademark.

Assembled by **HPZ Limited**

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