

Refrigerator
TOP MOUNTED FREEZER SERIES

USER MANUAL

MDRT489MTE*

MDRT580MTE*

MDRT645MTE*

Warning notices: Before using this product, please read this manual carefully and keep it for future reference. The design and specifications are subject to change without prior notice for product improvement. Consult with your dealer or manufacturer for details. The diagram above is just for reference. Please take the appearance of the actual product as the standard.

LANGUAGES

EN	English
DE	Deutsch
IT	Italian
FR	French
ES	Spanish
PT	Portuguese
GR	Greek
PL	Polish
LV	Latvian
SR	Serbian
HR	Republika Hrvatska
HU	Hungary
SL	Slovenia
RO	Romania
BG	Bulgaria
LT	Lithuania
AL	Albanian
CZ	Czech
SK	Slovak

THANK YOU LETTER

Thank you for choosing Midea! Before using your new Midea product, please read this manual thoroughly to ensure that you know how to operate the features and functions that your new appliance offers in a safe way.

EN

CONTENTS

THANK YOU LETTER	01
SPECIFICATIONS	02
PRODUCT OVERVIEW	03
PRODUCT INSTALLATION	04
OPERATION INSTRUCTIONS	11
CLEANING AND MAINTENANCE	15
TROUBLESHOOTING	16
APPENDIX	18

SPECIFICATIONS

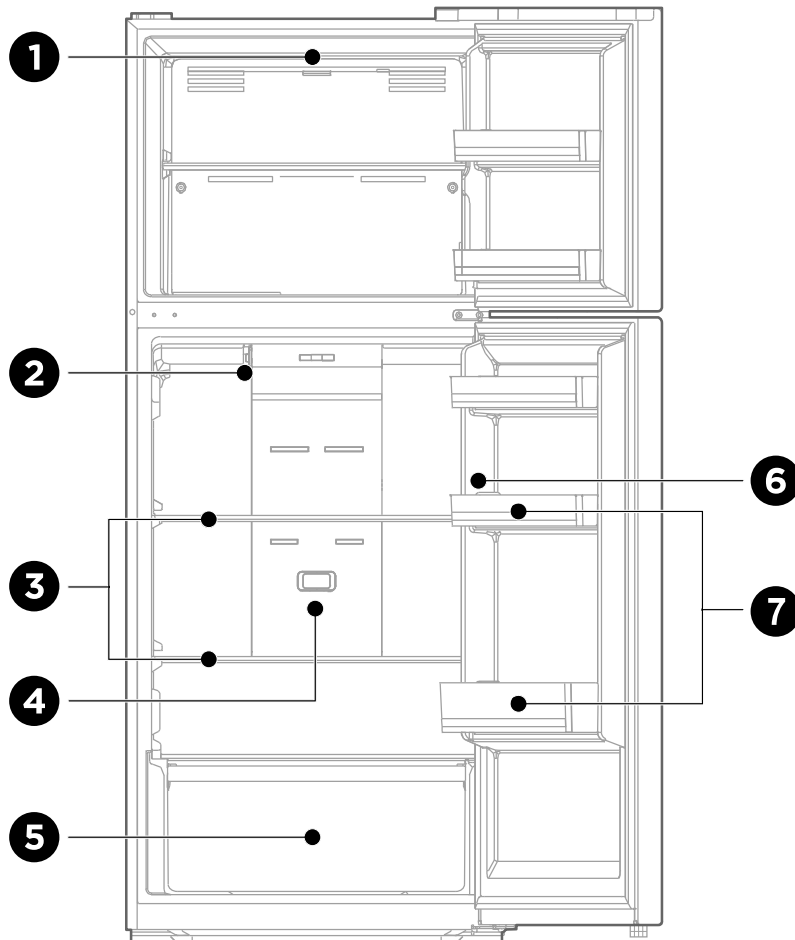
EN

Product model	MDRT489MTE
Rated Voltage/Frequency	220-240V~/50Hz
Rated Current	0.7A
Total Volume	338L
Fresh Food Storage Compartment Volume	254L
Four-star Compartment Volume	84L
Freezing Capacity	3.9kg/24h
Temperature Rise Time	10h
Overall Dimension (W x D x H)	595x695x1724mm
Product model	MDRT580MTE
Rated Voltage/Frequency	220-240V~/50Hz
Rated Current	1.5A
Total Volume	413L
Fresh Food Storage Compartment Volume	306L
Four-star Compartment Volume	107L
Freezing Capacity	5kg/24h
Temperature Rise Time	10h
Overall Dimension (W x D x H)	700x670x1723mm
Product model	MDRT645MTE
Rated Voltage/Frequency	220-240V~/50Hz
Rated Current	1.2A
Total Volume	463L
Fresh Food Storage Compartment Volume	356L
Four-star Compartment Volume	107L
Freezing Capacity	5kg/24h
Temperature Rise Time	10h
Overall Dimension (W x D x H)	700x691x1880mm

PRODUCT OVERVIEW

Names of components

EN



- | | | | |
|---|-------------------------|---|---------------------------|
| 1 | LED light | 5 | Fruits and vegetables box |
| 2 | Damper adjusting slider | 6 | Temperature control |
| 3 | Shelf | 7 | Door tray |
| 4 | Deoderizer | | |

ATTENTION

The picture above is only for reference. The actual configuration will depend on the physical product or statement by the distributor.

PRODUCT INSTALLATION

Install Instruction

For refrigerating appliances with climate class

EN

- Depending on the climate class, this refrigerating appliance is intended to be used at ambient temperatures range as specified following table.
- The climate class can be found on the rating plate. The product may not operate properly at temperatures outside of the specific range.
- You can find the climate class on the product label.

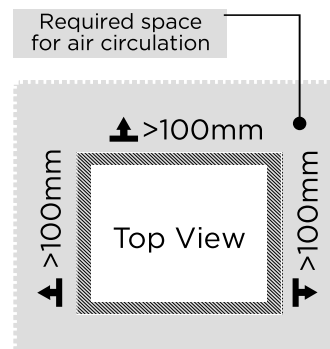
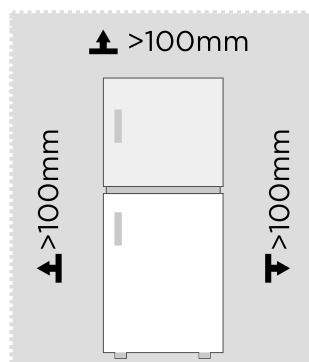
Effective temperature range

- The product is designed to operate normally in the temperature range specified by its class rating.

Class	Symbol	Ambient temperature range °C	
		IEC 62552 (ISO 15502)	ISO 8561
Extended temperate	SN	+ 10 to + 32	+ 10 to + 32
Temperate	N	+ 16 to + 32	+ 16 to + 32
Subtropical	ST	+ 16 to + 38	+ 18 to + 38
Tropical	T	+ 16 to + 43	+ 18 to + 43

Dimensions and Clearances

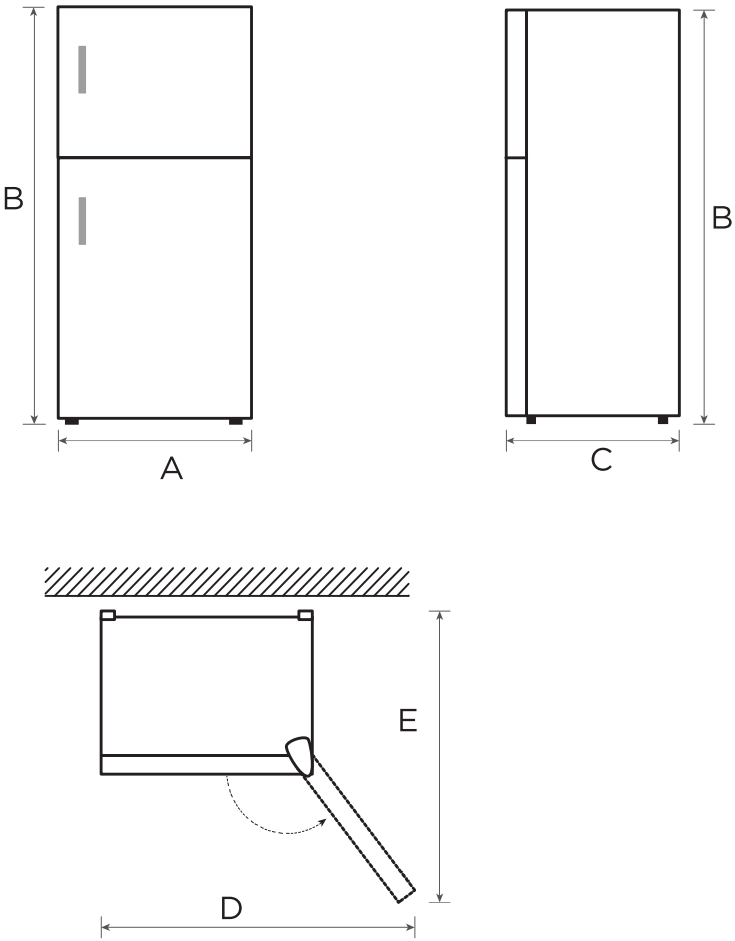
- Too small of a distance from adjacent items may result in the degradation of freezing capability and increased electricity costs. Allow over 100 mm of clearance from each adjacent wall when installing the appliance.



ATTENTION

The picture above is only for reference. The actual configuration will depend on the physical product or statement by the distributor.

Space requirement diagram (when the door is open and when the door is closed)



EN


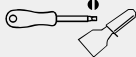


Product model	Width	Overall Height	Depth	Width doors open 135°	Depth doors open 135°
	A	B	C	D	E
MDRT489MTE	595	1724	695	997	1137

Product model	Width	Overall Height	Depth	Width doors open 125°	Depth doors open 125°
	A	B	C	D	E
MDRT580MTE	700	1723	670	1085	1252
MDRT645MTE	700	1880	691	1085	1252

Notice: All dimensions in mm

Door right-left change

List of tools to be provided by the user

	Allen wrench-Cross screwdriver
	Putty knife Thin-blade screwdriver
	5/16" socket spanner
	Masking tape

EN

Parts to be used for door reverse

SN	Parts	Quantity
1	Right upper hinge	1
2	Right upper hinge cover	1
3	Upper hinge axle sleeve	1
4	Upper hinge screw	3
5	Hole cover	1
6	Middle hinge screw	2
7	Middle hinge	1
8	Hole plug	2
9	Middle beam screw	1
10	Middle beam screw cap	1
11	Adjustable foot	1
12	Lower hinge screw	3
13	Lower hinge assembly	1
14	Lower end cover screw of freezing door	1
15	Lower end cover limiting block of freezing door	1
16	Lower end cover screw of refrigerator door	1
17	Lower end cover limiting block of refrigerator door	1
18	Upper end cover axle sleeve of refrigerator door	1
19	Lower support of refrigeration door	1
20	Accessory package	4
21	Self-locking of right door	1

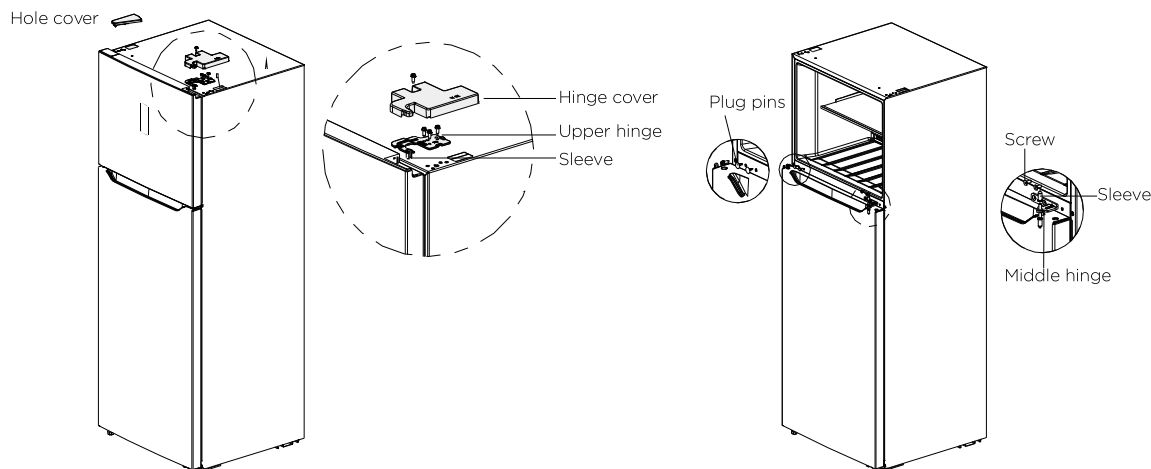
Notes:

1-19/Pre-installed on the refrigerator and to be used when changing the door

20/Left upper hinge,left upper hinge cover,Self-locking of left door,left decorative cover

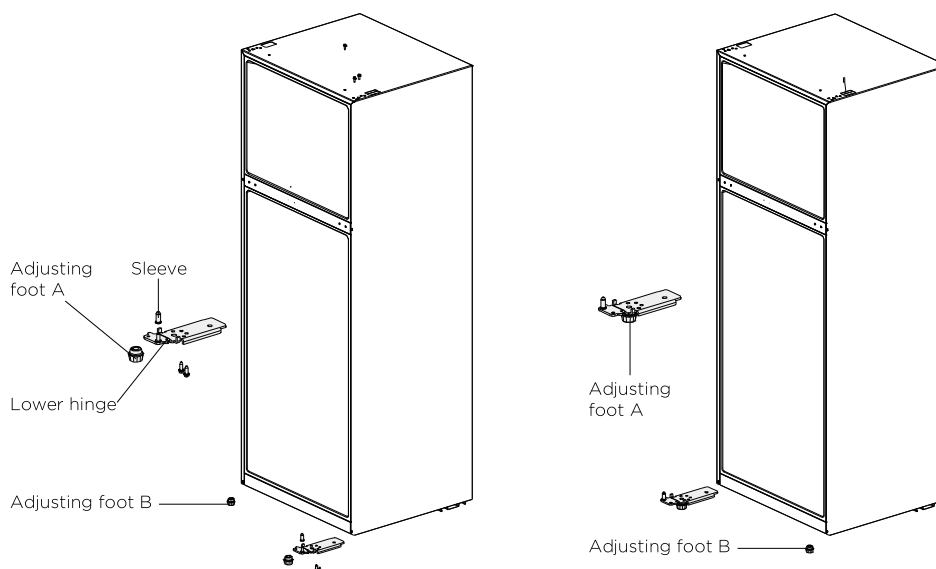
21/Pre-installed on refrigerator, removed and retained it when changing the door

1. Please power off this appliance before conduct this operation.
2. Remove the hinge cover and screw on the top right side of the box, as well as the upper hinge and the hole cover on the left side.

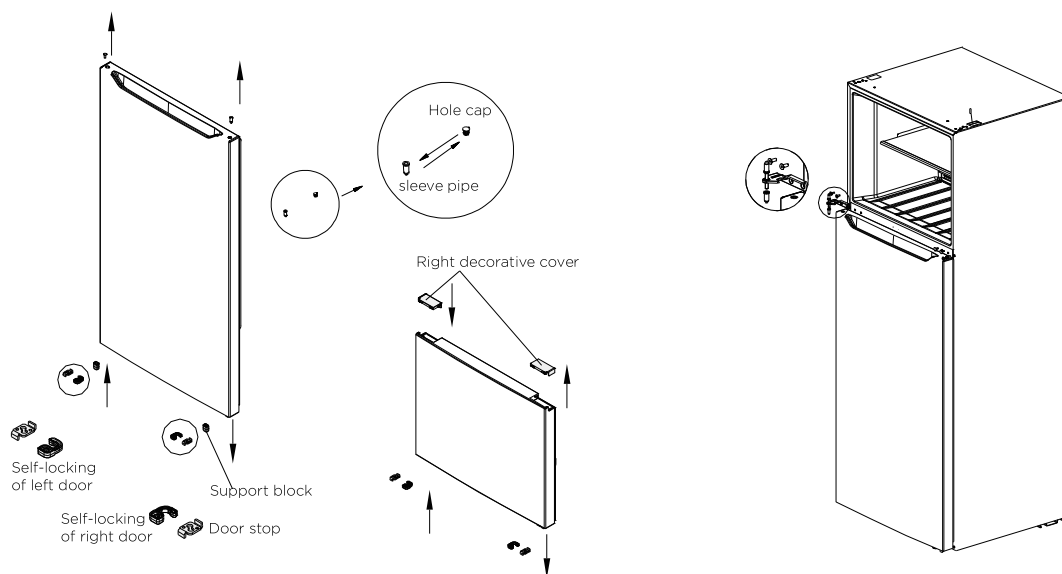


EN

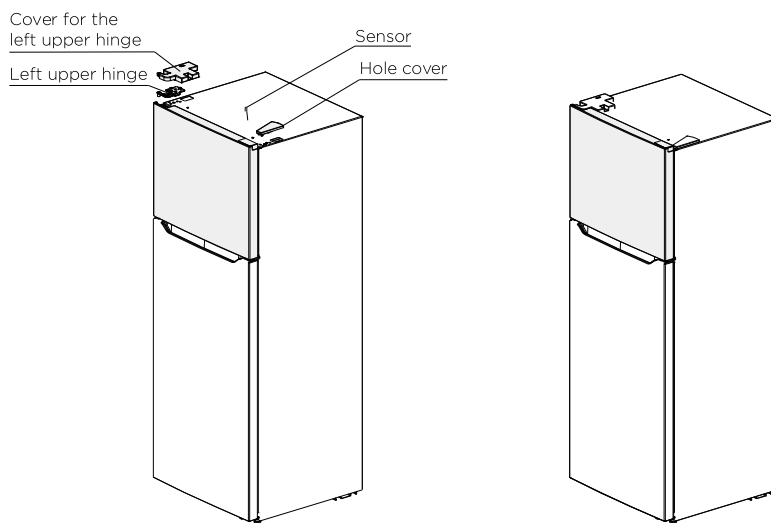
3. Unscrew the hinge screw, take off the middle hinge and the upper shaft sleeve, depart the two hinge hole covers (plug pins) on the middle hinge, and take out the door body of the refrigerator chamber upward.
4. Install the hinge shaft and shaft sleeve to the left hole of the lower hinge, and then the lower hinge to the left corner of the refrigerator, then adjusting foot A according to the position shown in the Figure, and finally the adjusting foot B to the right lower corner of the refrigerator.



5. Dismantle the door stop of the two door bodies and the self-locking screws of right door, then take out the self-locking of left door from the accessory bag and install it to the left corner of the door body together with the door stop; take out the bottom support block of the door body of refrigeration chamber and install it to the lower left corner, Finally take out the hole plug and shaft sleeve for the door of refrigeration chamber and adjust their positions, and then install them into the door body. take out the right decorative cover on the door of refrigeration chamber, and take out the left decorative cover from the accessory bag and install it. chamber, and take out the left decorative cover from the accessory bag and install it.



6. Install the door of refrigerator chamber on the lower hinge, the middle hinge on the left side of the refrigerator and tighten the screws, and place the shaft sleeve well. Install the plug pin in the hole on the middle beam at the other end.
7. Install the door of freezer on the middle hinge, take out the left upper hinge and the cover for the left upper hinge from the accessory bag, install the left hinge and tighten the screws, install the cover for the left upper hinge and tighten the screw, install the right sensor in the original left hole cover, and then fix the hole cover on the right box.
8. After completing the installation.



● ATTENTION

The picture above is only for reference. The actual configuration will depend on the physical product or statement by the distributor.



Leveling feet

To avoid vibration, the unit must be leveled.

If required, adjust the leveling screws to compensate for the uneven floor.

The front should be slightly higher than the rear to aid in door closing.

Leveling screws can be turned easily by tipping the cabinet slightly.

Turn the leveling screws counterclockwise  to raise the unit, clockwise  to lower it.

EN

Moving the appliance

1. Remove all food from inside the appliance.
2. Pull the power plug out, insert and fix it into the power plug hook at the rear or on top of the appliance.
3. Tape parts such as shelves and the door handle to prevent from falling off while moving the appliance.
4. Move the appliance with more than two people carefully. When transporting the appliance over a long distance, keep the appliance upright.
5. After installing the appliance, connect the power plug into a socket out to switch on the appliance.

ATTENTION

Precautions before operation:

Before making changes the refrigerator must be disconnected from power.
precautions should be taken to prevent any personal injury.

Changing the light

- Any replacement or maintenance of the LED lamps is intended to be made by the manufacturer, its service agent or similar qualified person.

ATTENTION

MDRT489MTE contains a light source of energy efficiency class (F).

MDRT580MTE/MDRT645MTE contains two light sources of energy efficiency class (F).

Connecting the appliance

After installing the appliance, connect the power plug into a socket outlet.

ATTENTION

After connecting the power supply cord (or plug) to the outlet, wait 2 or 3 hours before you put food into the appliance. If you add food before the appliance has cooled completely, your food may spoil.

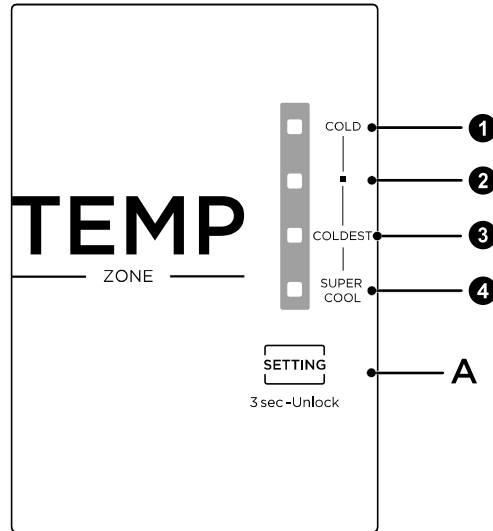
Tips for energy saving

EN

- Do not place the appliance near cookers, radiators or other heat sources. If the ambient temperature is high, the compressor will run more frequently and for longer, resulting in increased energy consumption.
- Ensure that there is sufficient ventilation at the base of the appliance, on the sides of the appliance and at the back of the appliance. Never cover ventilation openings.
- Please also observe the spacing dimensions in the chapter "Installation".
- The arrangement of drawers, shelves and racks as shown in the illustration offers the most efficient use of energy and should therefore be retained as far as possible. All drawers and shelves should remain in the appliance to keep the temperature stable and save energy.
- To obtain a larger storage space (e.g. for large refrigerated/frozen goods), the middle drawers can be removed. The top and bottom drawers and shelves should be removed last if necessary.
- An evenly filled refrigerator/freezer compartment contributes to optimal energy use. Therefore, avoid empty or half-empty compartments.
- Allow warm food to cool before placing it in the refrigerator/freezer. Food that has already cooled down increases energy efficiency.
- Allow frozen food to defrost in the refrigerator. The coldness of the frozen food reduces the energy consumption in the refrigerator compartment and thus increases the energy efficiency.
- Open the door only as briefly as necessary to minimise cold loss. Opening the door briefly and closing it properly reduces energy consumption.
- The door seals of your appliance must be perfectly intact so that the doors close properly and energy consumption is not increased unnecessarily.

OPERATION INSTRUCTIONS

Control panel



EN

Key

- Setting 1 (COLD)
- Setting 2 (MID)
- Setting 3 (COLDEST)
- Setting 4 (SUPER COOL)
- Setting A (Temperature setting button of refrigerator compartment)

● ATTENTION

The actual control panel may differ from model to model.

Display

- when electrify the refrigerator for first time, the display screen shines fully for 3 seconds, and then the refrigerator runs according to setting 3. In case of a failure, the corresponding LED blinks. In case of no failures, it shows the temperature setting of refrigerator.

Fault Code	Fault Description
Indicator setting 3 and setting 4	Temperature sensor failure of refrigerating chamber
Indicator setting 2 and setting 4	Defrost sensor failure of freezer chamber
Indicator setting 1 and setting 4	Ambient temperature sensor failure

Temperature setting

- Each time the temperature setting button (A) is pressed, the temperature setting changes once. When the temperature setting is finished, the fridge will run according to the setting after 15 seconds.
- The setting changes in this order:



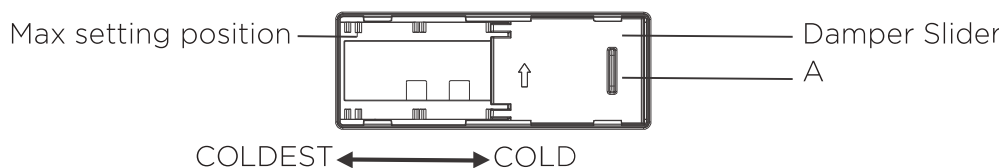
EN

Lock/Unlock

- Long press the TEMP key for 3 seconds to unlock and 30 seconds to automatically lock without operation.

Damper adjusting slider

- The temperature inside the freezer can be adjusted by changing the position of the damper slider. The initial position of the damper slider is at position A. If lower temperature inside the freezer is required, you can adjust the damper slider from the position A to left side.
- For better use of the refrigerator, it is recommended to keep the damper slider at initial position.



Stop using

- Power failure:** In case of power failure, even if it is in summer, foods inside the appliance can be kept for several hours; during the power failure, the times of door opening shall be reduced, and no more fresh food shall be put into the appliance.
- Long-time nonuse:** The appliance shall be unplugged and then cleaned; then the doors are left open to prevent odor.

Tips on storing food

Freezer compartment

- The freezer is designated for the storage of food frozen at very low temperature, long-term storage of frozen food, and for the production of ice.
- Only use the shelves in the door of the freezer to store frozen food, not for storing hot food designated for freezing.
- Do not put fresh and frozen food next to each other. The frozen food may thaw.
- When freezing fresh food (such as meat, fish or chopped meat), cut them into parts that can be used at the same time.
- Storing frozen food: instructions are usually stated on the packages, which must be followed. If there is no information on the packaging, food should not be stored for longer than three months from the date of purchase.
- When purchasing frozen food, make sure that it was frozen at a suitable temperature and that the packaging is not damaged.
- Frozen food should be kept in suitable packages to retain the quality and should be returned to the freezer compartment as soon as possible.
- If a package of frozen food shows moisture or abnormal bulging, it is probable that it was stored at the wrong temperature and the content is spoiled.
- The storage period for frozen food depends on the room temperature, the thermostat setting, the frequency of opening the door of the freezer, the type of food and the time of transporting the product from the shop to the household. Always follow the instructions printed on the packaging and never exceed the maximum storage time stated on the package.

EN

Cooling compartment

- To reduce moisture and subsequent ice build-up, never put liquid into the refrigerator in unsealed containers. Frost tends to concentrate in the coolest parts of the evaporator. Storing uncovered liquids results in a more frequent need for defrosting.
- Never put warm foods in the refrigerator. These should first cool down at room temperature and then be placed so as to ensure adequate air circulation in the refrigerator.
- Foods or food containers should not touch the back wall of the refrigerator because they could freeze to the wall. Do not keep regularly opening the door of the refrigerator.
- Meat and clean fish (packed in a package or plastic foil) can be placed in the refrigerator, which can be used in 1-2 days.
- Fruit and vegetables without packaging can be placed in the part designated for fresh fruit and vegetables.

ATTENTION

The optimal temperature setting of each compartment depends on the ambient temperature. Above optimal temperature is based on the ambient temperature of 25 °C.

Order	Compartments TYPE	Target stor- age temp. [°C]	Appropriate food
1	Fridge	+2 ~ +8	Eggs, cooked food, packaged food, fruits and vegetables, dairy products, cakes, drinks and other foods are not suitable for freezing.
2	(***)*-Freezer	≤-18	Seafood (fish, shrimp, shellfish), freshwater aquatic products and meat products (recommended for 3 months, the longer the storage time, the worse the taste and nutrition), suitable for frozen fresh food.
3	***-Freezer	≤-18	Seafood (fish, shrimp, shellfish), freshwater aquatic products and meat products (recommended for 3 months, the longer the storage time, the worse the taste and nutrition), suitable for frozen fresh food.
4	** -Freezer	≤-12	Seafood (fish, shrimp, shellfish), freshwater aquatic products and meat products (recommended for 3 months, the longer the storage time, the worse the taste and nutrition), suitable for frozen fresh food.
5	*-Freezer	≤-6	Seafood (fish, shrimp, shellfish), freshwater aquatic products and meat products (recommended for 3 months, the longer the storage time, the worse the taste and nutrition), suitable for frozen fresh food.
6	0-star	-6 ~ 0	Fresh pork, beef, fish, chicken, some packaged processed foods, etc. (Recommended to eat within the same day, preferably no more than 3 days). Partially encapsulated processed foods (non-freezable foods).
7	Chill	-2 ~ +3	Fresh/ frozen pork, beef, chicken, freshwater aquatic products, etc. (7 days below 0°C and above 0°C is recommended for consumption within that day, preferably no more than 2 days). Seafood (less than 0 for 15 days, it is not recommended to store above 0°C).
8	Fresh food	0 ~ +4	Fresh pork, beef, fish, chicken, cooked food, etc. (Recommended to eat within the same day, preferably no more than 3 days)
9	Wine	+5 ~+20	Red wine, white wine, sparkling wine, etc.

ATTENTION

please store different foods according to the compartments or target storage temperature of your purchased.

CLEANING AND MAINTENANCE

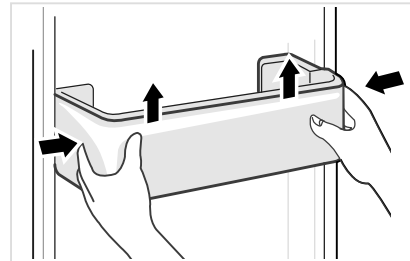
Defrosting

- The refrigerator is made based on the air-cooling principle and thus has automatic defrosting function. Frost formed due to change of season or temperature may also be manually removed by disconnection of the appliance from power supply or by wiping with a dry towel.

EN

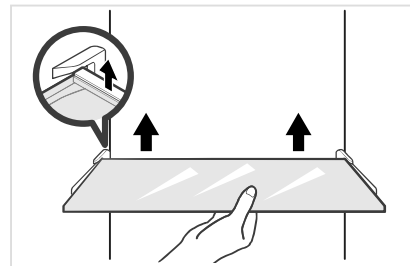
Cleaning of door tray

- According to the direction arrow in the figure below, use both hands to squeeze the tray, and push it upward, then you can take it out.
- After washing the tray having been taken out, you can adjust its installing height in accordance with your requirement.



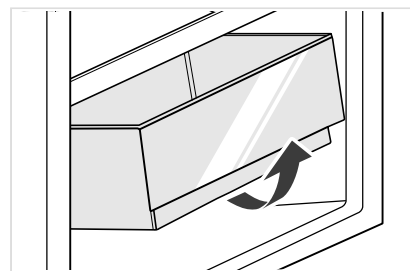
Cleaning of glass shelf

- As the innermost part of the refrigerator liner where contacting the shelves has a backstop, you shall raise the shelves upward, then you can be able to take it out.
- Adjust or clean the shelves according to your requirement.



Cleaning the vegetable drawer

1. Remove the contents of the drawer. Hold the handle of the vegetable drawer and pull it out completely until it stops.
2. Lift the vegetable drawer up and remove it by pulling it out.



● ATTENTION

Soft towels or sponge dipped in water and non-corrosive neutral detergents are suggested for cleaning. The freezer of shall be finally cleaned with clean water and dry cloth. Open the door for natural drying before the power is turned on. Do not use hard brushes, clean steel balls, wire brushes, abrasives, such as toothpastes, organic solvents (such as alcohol, acetone, banana oil, etc.), boiling water, acid or alkaline items clean refrigerator considering that this may damage the fridge surface and interior.

TROUBLESHOOTING

The following simple issues can be handled by the user. Please call the after-sale service department if the issues are not solved.

EN

Problem	Possible reason
Failed operation	• Check whether the appliance is connected to power or whether the plug is in well contact
	• Check whether the voltage is too low
	• Check whether there is a power failure or partial circuits have tripped
Odor	• Odorous foods shall be tightly wrapped
	• Check whether there is any rotten food
	• Clean the inside of the refrigerator
Long-time operation of the compressor	• Long operation of the refrigerator is normal in summer
	• when the ambient temperature is high it is not suggestible having too much food in the appliance at the same time
	• Food shall get cool before being put into the appliance
	• The doors are opened too frequently
Light fails to get lit	• Check whether the refrigerator is connected to power supply and whether the illuminating light is damaged
	• Have the light replaced by a specialist
Door can not be properly closed	• The door is stuck by food packages too much food is placed
	• The refrigerator is tilted.
Loud noises	• Check whether the floor is level and whether the refrigerator is placed stably
	• Check whether accessories are placed at proper locations

Problem	Possible reason
Door seal fails to be tight	<ul style="list-style-type: none"> • Remove foreign matters on the door seal
	<ul style="list-style-type: none"> • Heat the door seal and then cool it for restoration (or blow it with an electrical drier or use a hot towel for heating)
Water pan overflows	<ul style="list-style-type: none"> • There is too much food in the chamber or food stored contains too much water, resulting in heavy defrosting
	<ul style="list-style-type: none"> • The doors are not closed properly, resulting in frosting due to entry of air and increased water due to defrosting
Hot housing	<ul style="list-style-type: none"> • Heat dissipation of the built-in condenser via the housing, which is normal when housing becomes hot due to high ambient temperature, storage of too much food or shutdown of the compressor is shut down, provide sound ventilation to facilitate heat dissipation
Surface condensation	<ul style="list-style-type: none"> • Condensation on the exterior surface and door seals of the refrigerator is normal when the ambient humidity is too high. Just wipe the condensate with a clean towel.

EN

APPENDIX

Special for new European standard

The ordered parts in the following table can be acquired from Service provider channel

EN

Ordered part	Provided by	Minimum time required for Provision
Thermostats	Professional maintenance personnel	At least 7 years after the last model is launched on the market
Temperature sensors	Professional maintenance personnel	At least 7 years after the last model is launched on the market
Printed circuit boards	Professional maintenance personnel	At least 7 years after the last model is launched on the market
Light sources	Professional maintenance personnel	At least 7 years after the last model is launched on the market
Door handles	Professional repairers and final users	At least 7 years after the last model is launched on the market
Door hinges	Professional repairers and final users	At least 7 years after the last model is launched on the market
Trays	Professional repairers and final users	At least 7 years after the last model is launched on the market
Baskets	Professional repairers and final users	At least 7 years after the last model is launched on the market
Door gaskets	Professional repairers and final users	At least 10 years after the last model is launched on the market

Dear customer

1. If you want to return or replace the product, please contact the store where you buy.

(Remember to bring the purchase invoice)

2. If your product breaks down which needs to repair, please contact after-sales service provider.

ATTENTION

The model information in the product database, as well as the model identifier, can be obtained through a weblink scanned by a QR code, if any, on the energy efficiency label of the product.

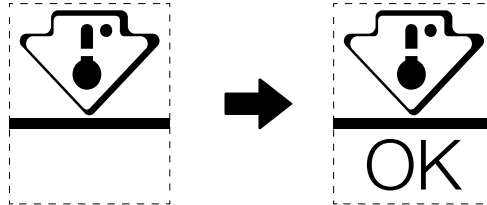
For more information about the energy efficiency of the appliance, visit <https://ec.europa.eu> and search using the model name.

The model name can be found on the rating label of the appliance.

Coldest zone in the refrigerator

OPTIONAL: OK-temperature indicator

- The OK-temperature indicator can be used to determine temperatures below +4°C. Gradually reduce the temperature if the sign does not indicate “OK”.



EN

- To ensure the temperature in this area, do not change the positioning of the shelf. In forced air refrigerators (equipped with a fan or No Frost models), the symbol of the coldest zone is not represented because the temperature inside is homogeneous.

Temperature indicator setting

- To help you set your refrigerator well, it is equipped with a temperature indicator that will monitor the average temperature in the coldest zone.
- **WARNING:** This indicator is intended to work only with your refrigerator, do not use it in another refrigerator (in fact, the coldest zone is not the same), or for any other use.

Checking the temperature in the coldest zone

- With the temperature indicator, you can check regularly that the temperature of the coldest zone is correct. Indeed, the internal temperature of the refrigerator depends on several factors such as the ambient temperature of the room, the amount of food stored and the frequency of door opening. Take these factors into consideration when setting the device.
- When the indicator shows « OK », this means that your thermostat is well adjusted and the internal temperature correct.
- If the indicator of temperature turns WHITE, this means that the temperature is too high; in this case, increase the refrigerator temperature control setting and wait for 12 hours before performing a new visual inspection of the indicator. When fresh food has been introduced or the door has been left open, it is possible for the indicator of temperature to turn WHITE after a while.

