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Midea MDRB548MMF46-MDRB600MMF46 Series Bottom Mounted Freezer



SPECIFICATION

Product model	MDRB548MMF*
Rated Voltage/Frequency	220-240V~/50Hz
Rated Current	1.4A
Fresh Food Storage Compartment Volume	279L
Frozen Food Storage Volume	134L
Temperature Rise Time	8h
Freezing Capacity	8kg/24h

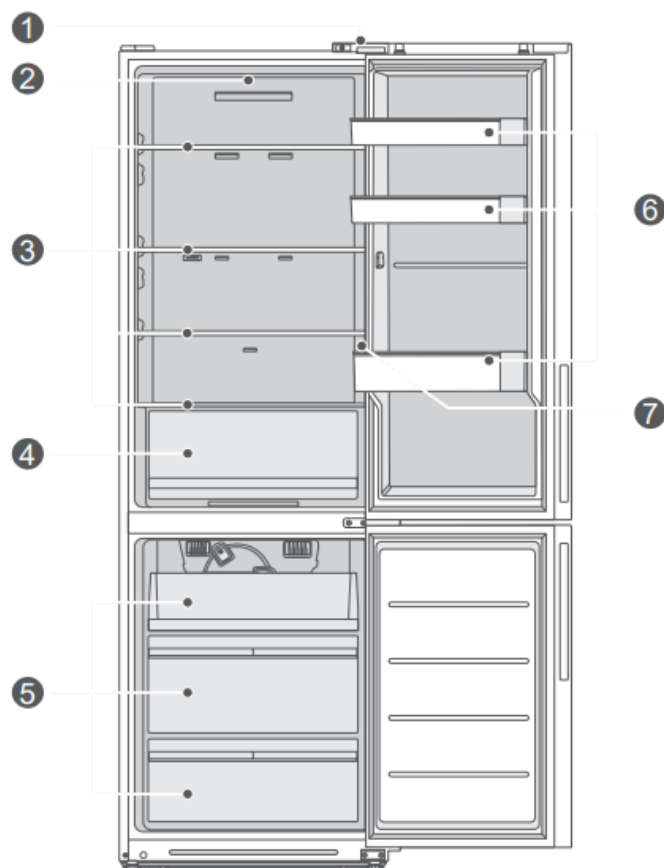
Product model	MDRB600MMF*
Rated Voltage/Frequency	220-240V~/50Hz
Rated Current	1.4A
Fresh Food Storage Compartment Volume	322L
Frozen Food Storage Volume	134L
Temperature Rise Time	8h
Freezing Capacity	8kg/24h

PRODUCT OVERVIEW

Names of components: Mode MDRB548MMF*

1. Door switch

2. LED light
3. Shelf
4. Fruits & vegetables box
5. Drawer
6. Door tray
7. Control panel



ATTENTION

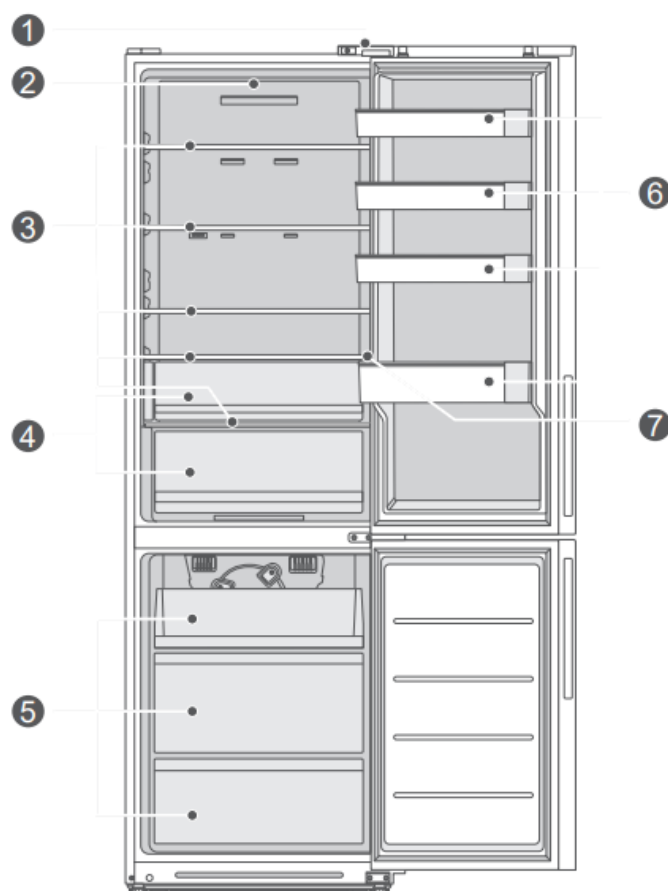
The picture above is only for reference. The actual configuration will depend on the physical product or statement by the distributor.

Names of components

Mode MDRB600MMF*

1. Door switch
2. LED light
3. Shelf
4. Fruits & vegetables box

5. Drawer
6. Door tray
7. Control panel



ATTENTION

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PRODUCT INSTALLATION

Install Instruction

For refrigerating appliances with climate class

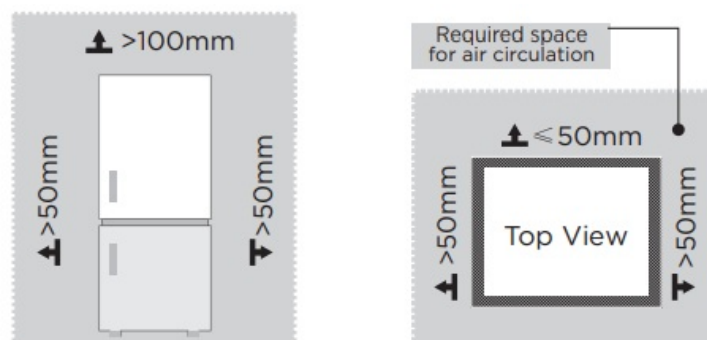
- Depending on the climate class, this refrigerator is intended to be used at an ambient temperature range as specified in the following table.
- The climate class can be found on the rating plate. The product may not operate properly at temperatures outside of the specific range.
- You can find the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

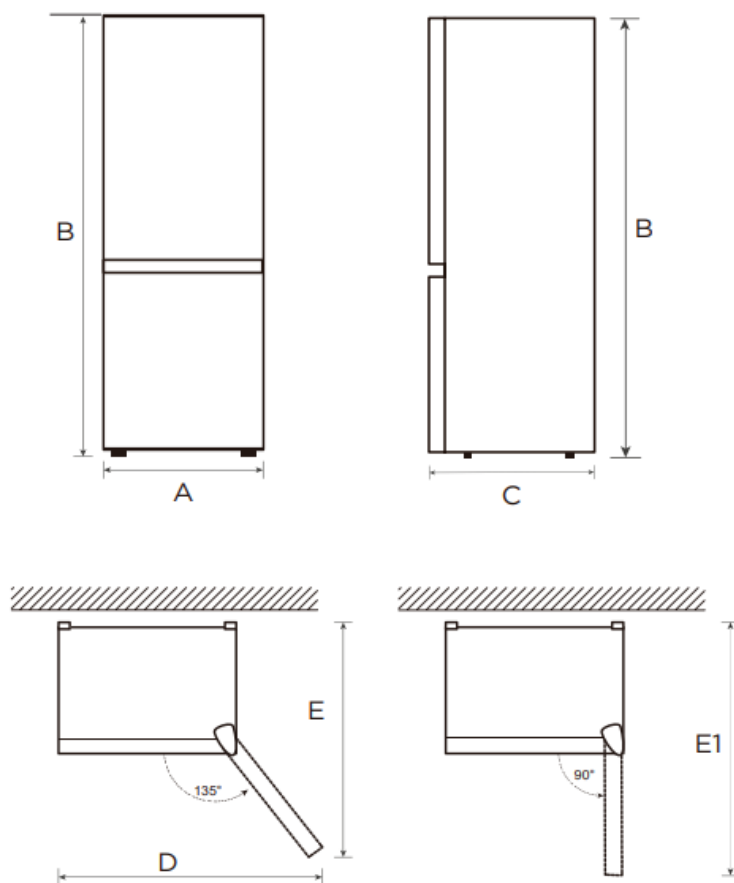
Too small of a distance from adjacent items may result in the degradation of freezing capability and increased electricity costs. The refrigerator both sides should be placed against the wall with a free distance more than 50mm, and the refrigerator's back should be more than 50 mm.



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)

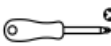
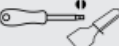




Model	Width	Overall Height	Depth	Width doors open 135°	Depth doors open 135°	Depth doors open 90°
	A	B	C	D	E	E1
MDRB548MMF*	595	1860	670	1070	960	1180
MDRB600MMF*	595	2010	670	1070	960	1180

Notice: All dimensions in mm.

Door right-left change

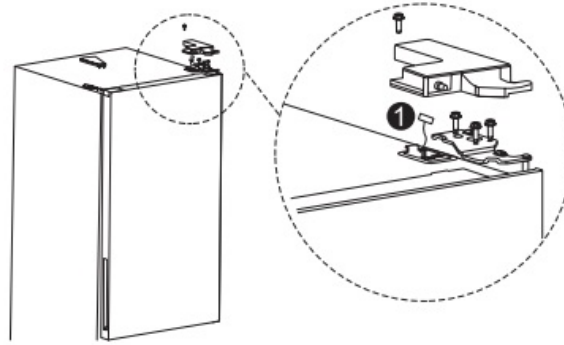
List of tools to be provided by the user

List of tools to be provided by the user	
	Cross screwdriver
	Putty knife Thin-blade screwdriver
	5/16" socket spanner
	Masking tape

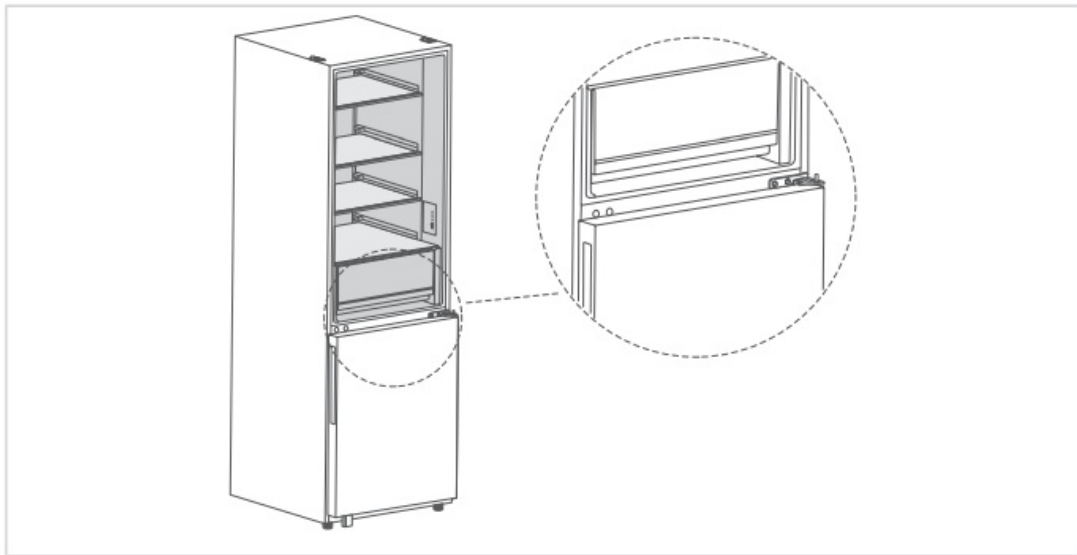
Step:

1. Remove the items from the door body.
2. Remove the upper left hinge cover decorative cover, upper right hinge cover, upper

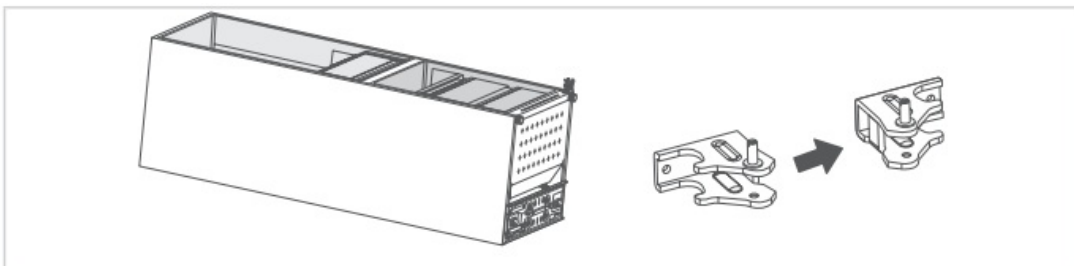
right hinge, disconnect the signal line on the top right side of the refrigerator's body (1 signal line).



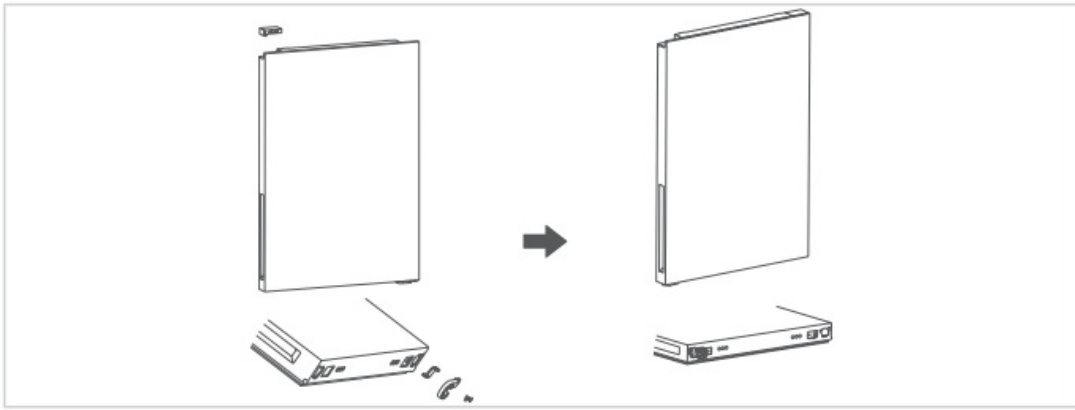
3. Remove the refrigeration door body (pay attention not to lose small parts such as door stoppers); Remove the middle hinge for backup use and remove the hinge hole decorative cover, cap, and screws on the other side.



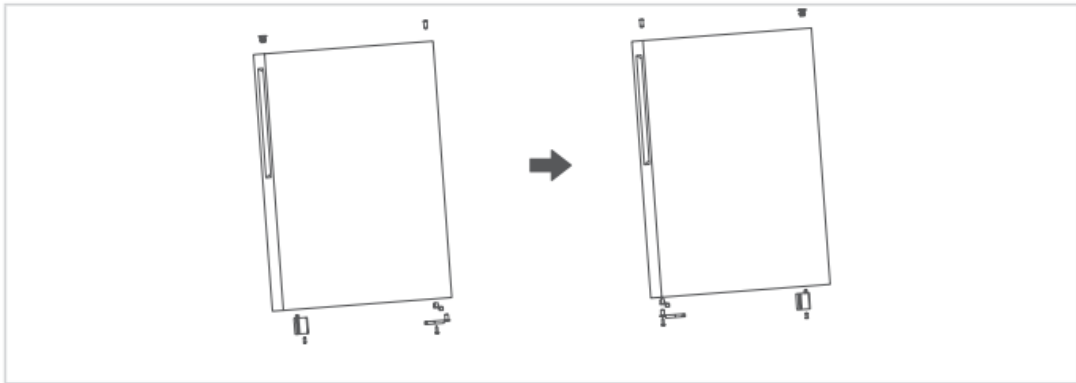
4. Remove the freezer door body (be careful not to lose small parts such as the shaft sleeves and door stoppers); Remove the lower hinge, remove the lower hinge shaft and install it on the other side of the hinge, remove the lower hinge, remove the lower hinge shaft and install it on the other side of the hinge for backup use.



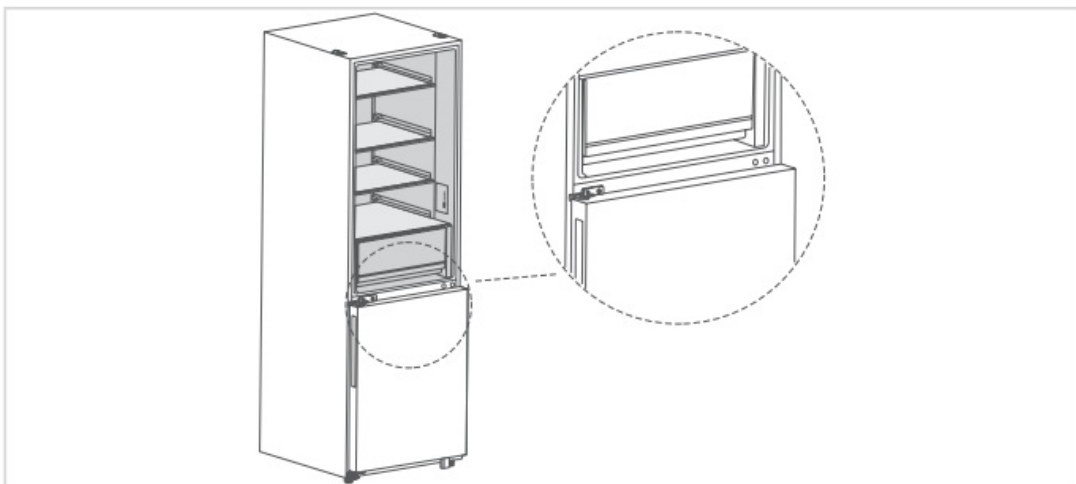
5. Refrigeration door replacement: Remove the left decorative cover, remove the right decorative cover from the accessory package and install it on the other side of the upper end cover; remove the refrigeration door self-locking, the door stop, remove the left door self-locking from the accessory package, and install the door stopper and the left door self-locking to the left side of the lower end cover in turn.



6. Freezing door replacement: Remove the upper end cap sleeve of the freezer door, and install the cap in the left and right interchangeable positions; Remove the freezer door self-locking, the door stopper and the door support, remove the left door self-locking from the accessory package, install the door stopper and the left door self-locking to the left side of the freezer lower end cover in turn, and install the door support to the right side of the freezer lower end cover.

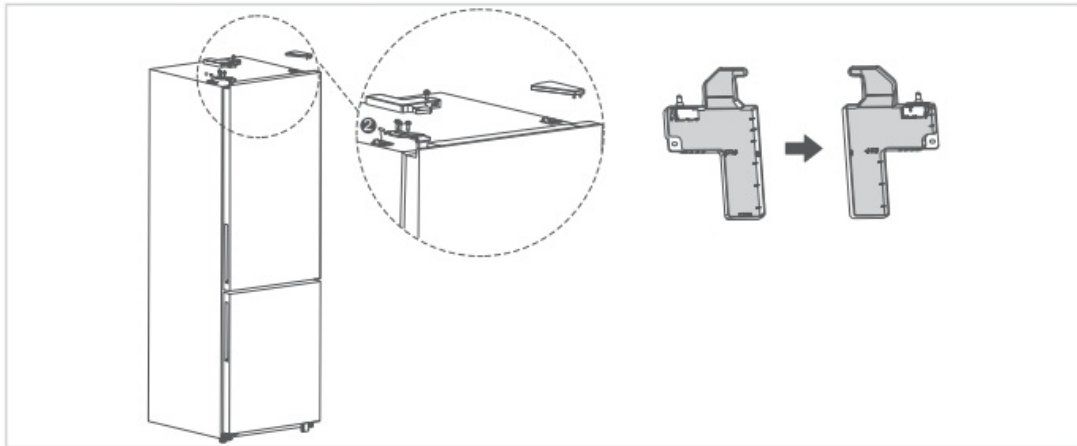


7. Install the middle hinge and install the refrigeration door on the middle hinge, the install then lower hinge and cover the hinge hole decorative cover.



8. Remove the left upper hinge cover from the accessory package, left upper hinge, remove the switch installed on the right hinge cover and install it on the left upper hinge cover; place the refrigeration door body on the middle hinge and install the left upper hinge; connect the top signal line 2 on the left side of the refrigerator and the

switch on the left hinge cover, cover and fix the left hinge cover, and finally install the hinge cover decorative cover to the right side of the refrigerator's body.



Leveling feet

- To avoid vibration, the appliance must be leveled.
- If required, adjust the leveling feet to compensate for the uneven floor.
- The front should be slightly higher than the rear to aid in door closing.
- Leveling feet can be turned easily by tipping the cabinet slightly.
- Turn the leveling feet counter clockwise to raise the unit, clockwise to lower it.

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.

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

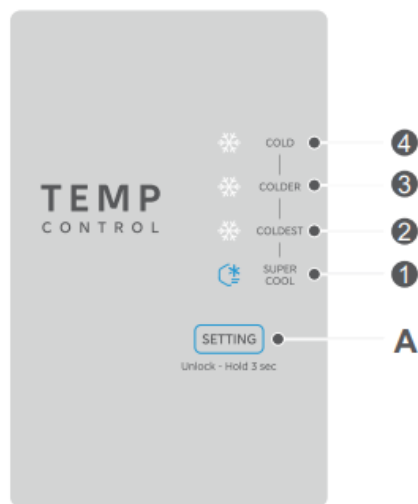
Do not place the appliance near cookers, radiators or other heat sources. If the ambient temperature is high, the compressor will run more frequently and for longer, resulting in

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



	Button		Display
A	Temperature adjustment button	1	LED1 (SUPER COOL)
		2	LED2 (COLDEST/2°C)
		3	LED3 (COLDER/4°C)
		4	LED4 (COLD/8°C)

ATTENTION

The actual control panel may differ from model to model.

Display

- When it is powered on for the first time, it will be fully displayed for 3 seconds, and then display normally; (set at 4°C gear for the first time).
- When a snag happens, it presents the snag code (in a cycle display mode). In a normal state, the fridge's set gear instead of a snag code is shown.
- Under normal circumstances, after 15 seconds of no key operation, the setting will take effect.

Lock/unlock

Press and hold for 3 seconds to unlock, the LED flashes to indicate that the unlock is successful, and the lock is automatically locked after 15 seconds without pressing the button.

Gear Settings

Press the SETTING button once to change the temperature setting.

Adjust by gear to: COLD > COLDER > COLDEST > SUPER COOL > COLD.

Quick-cooling mode

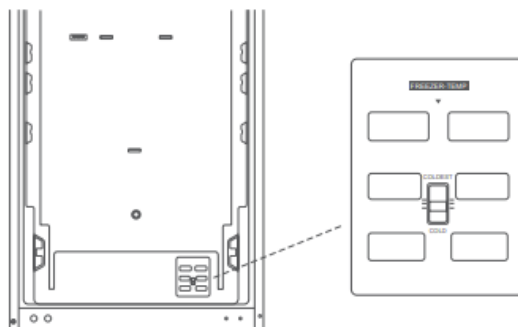
- Mode entry:
 - Press the temperature control key to light up LED1.
- Mode operation:
 1. The compressor operates at the maximum speed of the current ambient temperature.
 2. The fan is running at the current speed -1 gear. (Priority is lower than overload)
 3. Run according to the start-stop point of the quick-cooling 2 degree gear, and do not defrost during the quick freezing period (except for power-on defrosting).
 4. efrosting once after quick-cooling exit.

Mode exit:

1. Adjust the temperature to exit the quick-cooling mode.
2. Exit after 16 hours of operation in quick-cooling mode.

Air Duct Paddle Adjustment

Turn the air damper slider up, the actual temperature inside the freezer room will drop;
turn the air damper slide down ,the actual temperature inside the freezer room will rise.



Fault Code

The following warnings appearing on the display indicate corresponding faults of the refrigerator. Though the refrigerator may still have cold storage function with the following faults, the user shall contact a maintenance specialist for maintenance, so as to ensure optimized operation of the appliance.

Fault code	Fault Description
LED 1 and LED2 are flashing	Fault of the fridge's temperature sensor
LED 1 and LED3 are flashing	Fault of the freezer's defrosting sensor
LED 1 and LED4 are flashing	Ambient temperature sensor fault

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.

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	$+2 \leq x \leq +8$	Eggs, cooked food, packaged food, fruits and vegetables, dairy products, cakes, drinks and other foods not suitable for freezing.
2	 Four-star rating frozen	$x \leq -18$	With freezing capacity, fast freezing speed, can quickly freeze and store food. Suitable for frozen fresh food such as seafood (fish, shrimp, shellfish), freshwater aquatic products and meat products. Recommended for 3 - 6 months, the longer the storage time, the worse the taste and nutrition.
3	 Three-star rating frozen	$x \leq -18$	With freezing capacity. Suitable for frozen fresh food such as seafood (fish, shrimp, shellfish), freshwater aquatic products and meat products. Recommended no more than 3 months.
4	 Two-star rating frozen	$x \leq -12$	Only suitable for medium-term storage of already frozen food, e.g. ice cream. Recommended no more than 1 month.
5	 One-star rating frozen	$x \leq -6$	Only suitable for refrigeration, and short-term storage of small quantities of already frozen food. Recommended no more than 1 week.
6	0-star	$-6 \leq x \leq 0$	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	$-2 \leq x \leq +3$	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	$0 \leq x \leq +4$	Fresh pork, beef, fish, chicken, cooked food, etc. (Recommended to eat within the same day, preferably no more than 3 days)
9	Wine	$+5 \leq x \leq +20$	Red wine, white wine, sparkling wine, etc.

ATTENTION: please store different foods according to the compartments or target

storage temperature of your purchase.

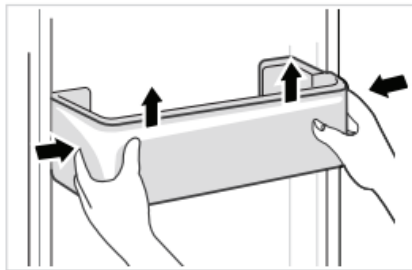
CLEANING AND MAINTENANCE

Defrosting

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

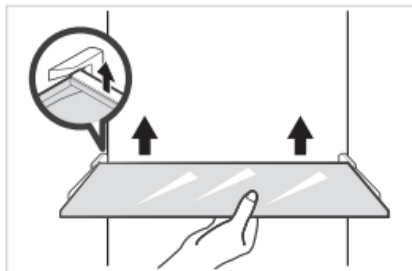
Cleaning of door tray

- 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 installation height by your requirements.



Cleaning of glass shelf

- As the innermost part of the refrigerator liner where it contacts 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 requirements.

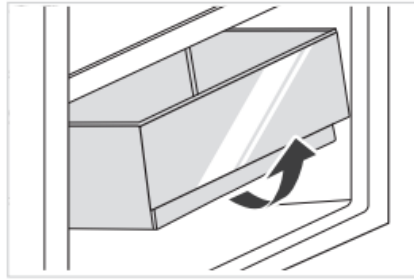


Cleaning the vegetable drawer

- Remove the contents of the drawer. Hold the handle of the vegetable drawer and pull

it out completely until it stops.

- 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 the refrigerator considering that this may damage the fridge surface and interior.

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.

Moving:

Before the refrigerator is moved, take all objects inside out, fix the glass partitions, vegetable holder, freezing chamber drawers and etc. with tape, and tighten the leveling feet; close the doors and seal them with tape. During moving, the appliance shall not be laid upside down or horizontally, or be vibrated; the inclination during movement shall be no more than 45°.

ATTENTION

The appliance shall run continuously once it is started. Generally, the operation of the appliance shall not be interrupted; otherwise the service life may be impaired. Foods can be preserved for a couple of hours even in summer in case of power failure; it is recommended to reduce the frequency of opening door.

TROUBLE SHOOTING

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

Problem	Possible Causes	Solution
Not operate	The power supply is not turned on and the plug is not firmly inserted. Low voltage, power failure or part of the circuit tripped.	Insert the power cord plug firmly. Check the power supply at home.
Light not on	The appliance is not powered on. The light is broken.	Unplug and re-plug the power cord. Replace the light with a new one.
Fruits or vegetables are frozen	Has the food been placed at the back of the fridge? The area near the back wall is where the temperatures are coldest. Fruits or vegetables are stored in the Fresh/Chill zone.	Not placing food which may freeze easily at the back of the fridge compartment. The Fresh/Chill zone is only for meat/fish.
Fridge/freezer is over-cooling	Temperature control is not set correctly.	Set the temperature higher.
Compressor working for a long time	High ambient temperature causing long working time. Putting too much food in at one time. Food is put in before it has cooled down. Opening the door too often. The frost layer inside is too thick.	This is normal. Do not put too much food in at one time. Wait until the food has cooled down before putting it in. Do not open the door too often. Need to defrost.
Door does not close properly	Door is stuck with objects. Too much food in. Door gasket deformed.	Do not put in too much food. Place the appliance stably. Heat the door gasket, then cool it for restoration (with an electrical drier or hot water for heating).
Outer wall is hot	When the appliance is operating, heat is dissipated to the outside through the metal tubes inside the cabinet. Higher ambient temperatures in the summer cause the temperature of the outer wall to rise.	Higher temperature on the outer wall is normal. Increase the heat dissipation space, or put the appliance in a ventilated and cool place.
Cross or vertical beams are hot	There are metal tubes inside the beams, and the heat released from the tubes prevents condensation.	This is normal.
Odors	Spoiled food Food with strong odors The interior compartment is dirty.	Clean and remove any spoiled food. Make sure strong smelling food is wrapped airtight. Clean the interior compartment.
The actual temperature differs from the set temperature	When warm food is put in, the temperature will rise temporarily. After setting a new temperature, it will take some time for the temperature in the compartment to reach the set temperature when the door is not opened. After the temperature stability, the actual temperatures at different locations within the compartment are different, with a deviation of about $\pm 3^{\circ}\text{C}$.	This is normal. Wait for some time before testing the actual temperature.
Condensation forms on the outside	Condensation may form when the humidity in the room is high.	This is normal. Wipe off the condensation using a dry cloth.

Problem	Possible Causes	Solution
Condensation forms inside the fridge and drawers	The fridge maintains a high humidity to keep vegetables and other food items fresh. Humidity is too high in the room and doors have been opened frequently. The door gasket are not tight.	Wipe off the condensation using a dry cloth. Do not open doors as frequently or do not keep them open too long. Check the door gasket, clean or correct position.
Frost around the vents	Door is not closed properly. The door gasket are not tight.	Make sure food does not block the door. Check the door gasket, clean or correct position.
Hard to open the door	The difference in air pressure between the inside and outside of the compartment may sometimes make it hard to open the freezer door.	Wait a few moments, and then try to open the door slowly.
Not making ice cubes (Only models with ice maker)	The ice making function not turned on. The appliance is not being supplied with water. The water pipe has kinks in it. The water pipe connection is installed incorrectly. Water pressure is too low.	Switch on the ice maker. Check whether the water supply is on. Straighten out the kinks. Check the water connection. Check the pressure of the water supply, or whether the filter is clogged.

- Certain sounds can be heard during normal use of the refrigerator, which do not affect its correct operation.

Sounds, which can be easily prevented:

Noise caused by the appliance which is not level – adjust the position with the adjustable turn-in front feet. Alternatively, place pads made of soft material under the rear rollers, especially when the appliance is placed on tiles.

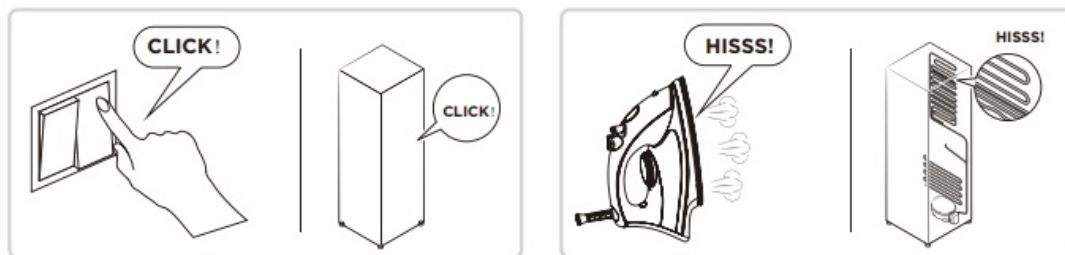
- Touching the adjacent piece of furniture – move the refrigerator away.
- Creaking of the drawers or shelves – take out and put back the drawer or shelf.
- Sounds of clinking bottles – move bottles apart.
- Do you hear these abnormal sounds as below? Usually these sounds are normal



CLICK: Some electrical parts in the refrigerator, such as electric valve will make this noise when working. This is normal.

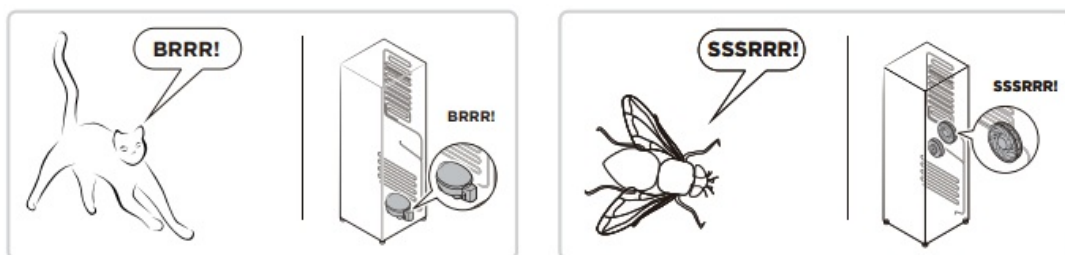
HISS: When the refrigerant flows into the evaporator, it will make this noise. This is

normal.



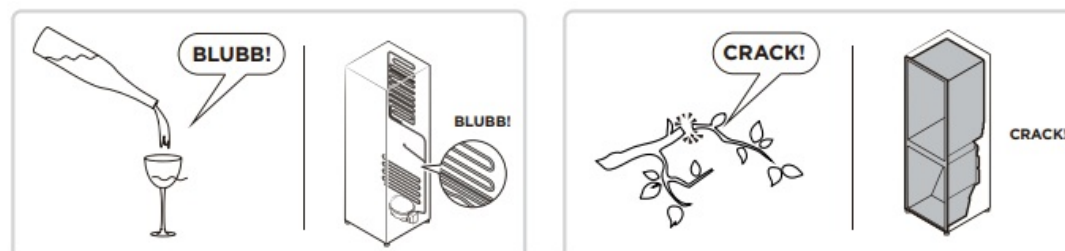
BRRR: The compressor will make this noise when working, and the buzzes are loud particularly upon start or stop. This is normal.

SSSRRR: The fan motor in the No frost refrigerator will make this noise when working. This is normal.



BLUBB: Refrigerant flowing through the pipes in the refrigerator will make this noise. This is normal.

CRACK Cracking sound or broken ice sound: the overall structure of the refrigerator, air duct frost will be with the thermal expansion and contraction of the expansion sound, these are also normal physical phenomena.



APPENDIX

Special for new European standard: The ordered parts in the following table can be acquired from Service provider channel.

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

1. 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.
2. For more information about the energy efficiency of the appliance, visit <https://eprel.ec.europa.eu> and search using the model name. The model name can be found on the rating label of the appliance

FAQS

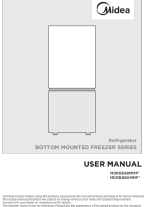
Q: How often should I defrost the freezer?

A: It is recommended to defrost the freezer when the ice build-up is around 0.5 inches thick or at least once every six months.

Q: Can I change the direction in which the door opens?

A: Yes, you can change the door opening direction. Refer to the user manual for detailed instructions on how to do this.

Documents / Resources

	<p>Midea MDRB548MMF46-MDRB600MMF46 Series Bottom Mounted Freezer [pdf] User Manual</p> <p>MDRB548MMF46-MDRB600MMF46 Series Bottom Mounted Freezer, MDRB548MMF46-MDRB600MMF46 Series, Bottom Mounted Freezer, Mounted Freezer</p>
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References

- [User Manual](#)

■ Midea

🔍 Bottom-Mounted Freezer, MDRB548MMF46-MDRB600MMF46 Series, MDRB548MMF46-MDRB600MMF46 Series Bottom Mounted Freezer, Midea, Mounted Freezer

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