

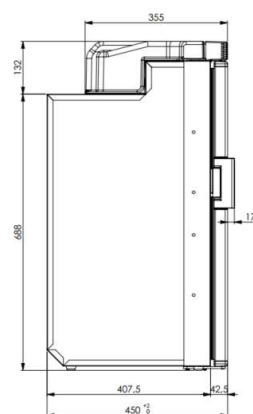
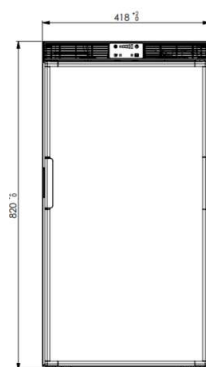
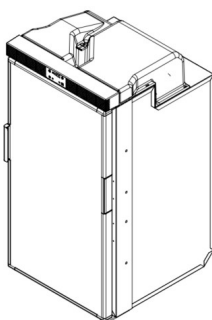
SLIM 70 SLIM 90 SLIM 140

ISTRUZIONI PER L'USO
INSTRUCTIONS FOR USE
INSTRUCCIONES DE USO
INSTRUCTIONS D'UTILISATION
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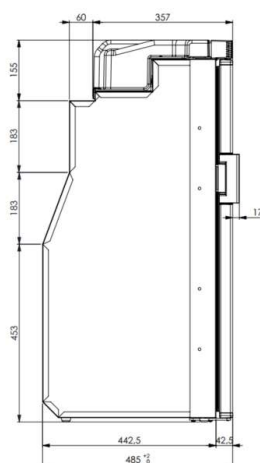
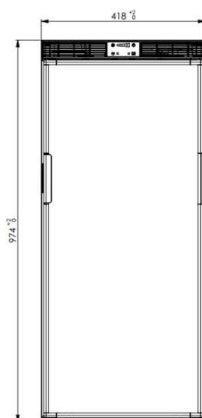
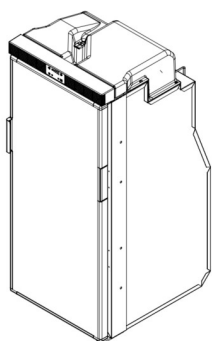
INSTRUCTIONS FOR USE

SLIM SERIES

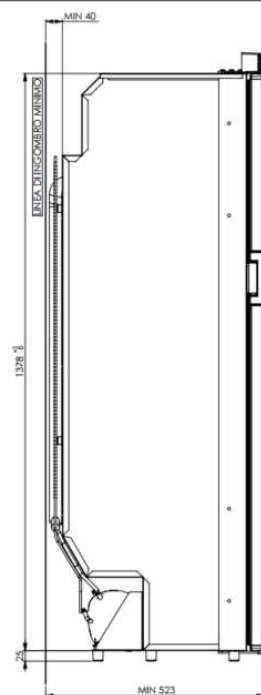
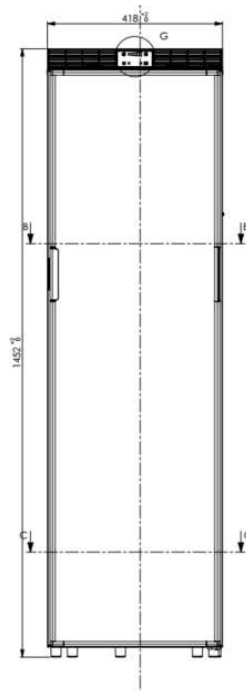
SLIM 70



SLIM 90



SLIM 140





TECHNICAL SPECIFICATIONS

MODEL	DIMENSIONS HXLXP (MM)	NET WEIGHT	PRODUCT CLASS	VOLTAGE	REFRIGERANT GAS
SLIM 70	822 x 420 x 469	20 Kg	70 L	DC 12/24V	R600a R134a
SLIM 90	976 x 420 x 504	22,5 Kg	90 L	DC 12/24V	R600a R134a
SLIM 140	1454 x 420 x 542	38 Kg	140 L	DC 12/24V	R290

Queste apparecchiature contengono gas fluorurato ad effetto serra R290 e R600a all'interno di un sistema sigillato ermeticamente il cui funzionamento dipende dalla presenza di tale gas.



WARNINGS

- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Risk of fire and electrical shock or fire.
- Do not let hot items to touch the plastic parts of the appliance.
- Do not store flammable gas and liquid in the appliance.
- Do not put flammable products or items that are wet with flammable products in, near or on the appliance.
- Do not touch the compressor or the condenser. They are hot.
- Do not use multi-plug adapters and extension cables.
- Make sure not to cause damage to the electrical components (e.g. mains plug, mains cable, compressor). Contact the Service or an electrician to change the electrical components.

ATTENTION!

The refrigerator is only suited to the storage and/or preservation of food products. Food products must be stored in their original packaging or in suitable containers. Do not consume food whose shelf life has expired, as it may cause illness.

Only use the SLIM for chilling and storing closed drinks and snacks.

The product is designed for storing foods at low temperature and is only intended for use in recreational vehicles. The product is not suitable for any other use. Any use that does not comply with the indications in this manual is considered improper and dangerous.

- Do not keep any perishable foodstuffs in the fridge.
- The fridge is not designed to come into contact with food.
- The fridge is not designed for the proper storage of drugs. For these products, see the instructions on the package leaflet.



ATTENTION

The purpose of the freezer product is only to keep already completely frozen food products frozen.

The refrigerator does not freeze unfrozen or partially frozen foods. When an unfrozen or partially frozen food product must be stored in the freezer, this is considered an improper use and may cause possible and unintentional thawing of the food product, which could lead to safety problems, illnesses, or injury if ingested.

Storing unfrozen or partially frozen foods in the freezer may impact the quality of other frozen foods stored in the freezer.

Exposure to temperatures above the temperature range of the climate class for which the product was built, interruptions in the power supply and/or frequent opening of the freezer may influence the refrigerator's effectiveness and the quality of the freezer's contents.



ATTENTION

To avoid the formation of a flammable mixture of gas and air, when there is a leak in the refrigeration circuit, the size of the room in which the product may be located depends on the amount of refrigerant used. Never turn the product on when there are signs of damage. If in doubt, please contact the Manufacturer. The room must be greater than or equal to 1 m³ for each 8g of R290 refrigerant used inside the product. The amount of refrigerant present in the product is indicated on the identification plate.



ATTENTION

This product must not be handled and/or used by children under 8 years of age and/ or people with reduced physical, sensory and cognitive abilities, unless they are supervised and/or adequately instructed on its use by a person responsible for their safety and aware of all the possible risks involved.



ATTENTION

The packaging elements (plastic bags, Styrofoam, etc.) Must not be left within reach of children or disabled individuals as it is potentially harmful.



ATTENTION

Take care not to damage the refrigerant circuit. It contains isobutane (R290 and R600a), natural gases with high environmental compatibility. These gases are inflammable.

TECHNICAL SAFETY

This product contains a small amount of R290 refrigerant, an environmentally compatible gas, but it is flammable. During transport and installation of the product, be careful not to damage any part of the refrigeration circuit. Leaking refrigerant under pressure could cause eye inflammation.

IN THE EVENT OF DAMAGE

- keep the product away from flames or sources of heat,
- ventilate the room for a few minutes,
- turn the product off and pull the plug,
- inform the authorized Customer Support Service.

To avoid the formation of a flammable mixture of gas and air, when there is a leak in the refrigeration circuit, the size of the room in which the product may be located depends on the amount of refrigerant used. Never turn the product on when there are signs of damage. If in doubt, please contact the Manufacturer.

If the power cable is damaged, it must be replaced by the manufacturer, the customer support service, or a person with similar qualifications and authorized by the Manufacturer.

Installations and repairs performed by untrained personnel may create significant danger for the user.

Repairs must be carried out by the manufacturer, the customer support service, or a person with similar qualifications and authorized by the Manufacturer.

Only original spare parts from the Manufacturer may be used. The manufacturer will only guarantee that the safety requirements are met when these parts are used.

A power cord extension must only be purchased from the customer support service.



DANGER

During use, maintenance, and disposal of the product, pay attention to the symbol to the side: a similar symbol on an orange or yellow background is located on the back of the product (rear panel or compressor).

This symbol means there is a risk of fire. There are flammable materials in the refrigerant pipes and compressor. Make sure that this circuit has not been damaged during transport and/or installation and, in the event of damage (for example, in the rear serpentine) with refrigerant leaks, ventilate the room in which the product is located by opening a window.

Please keep any sources of ignition a safe distance away during use, maintenance, and disposal.



DANGER

Always disconnect the power supply from the product before proceeding with any work on it to avoid damage and health hazards.



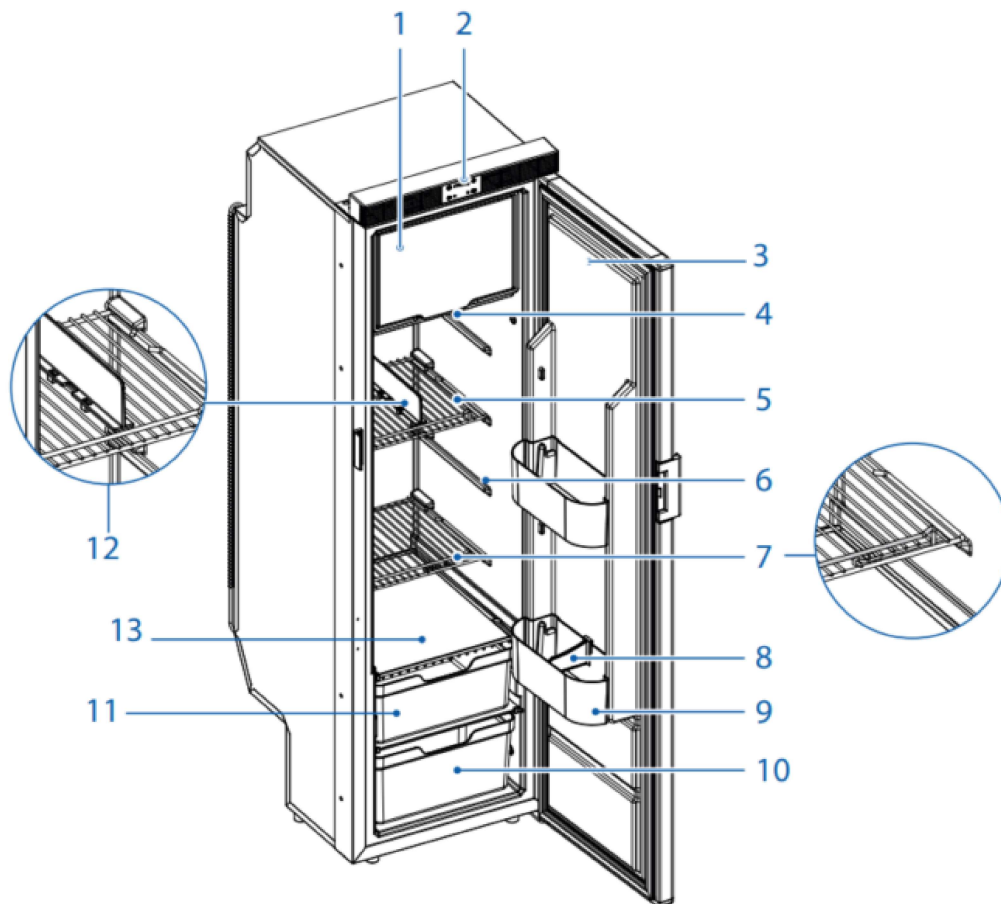
ATTENTION

Only technical personnel specialized in the electrical, hydraulic, and refrigeration fields can work on the product. All wiring and hydraulic components must comply with national and local laws (for the replacement of components, use only original spare parts certified by the Manufacturer).

RESIDUAL RISKS

The machine is safe in its operating conditions. However, there are residual risks, listed in the list of hazards, which are contained with a proper use of the product that follows the instructions in the use and maintenance manual.

PRODUCT DESCRIPTION



- | | |
|--|-------------------------------|
| 1. Freezer door | 8. Separator for bottles/jars |
| 2. Control panel | 9. Bins |
| 3. Refrigerator door | 10. Fruit compartment |
| 4. Condensation collection tray "Smart Tray" | 11. Vegetable compartment |
| 5. Grille | 12. Separator |
| 6. Guide | 13. Glass shelf |
| 7. Food lock shelf | |

INSTALLATION



ATTENTION

Install the product away from gas tanks or LPG systems.



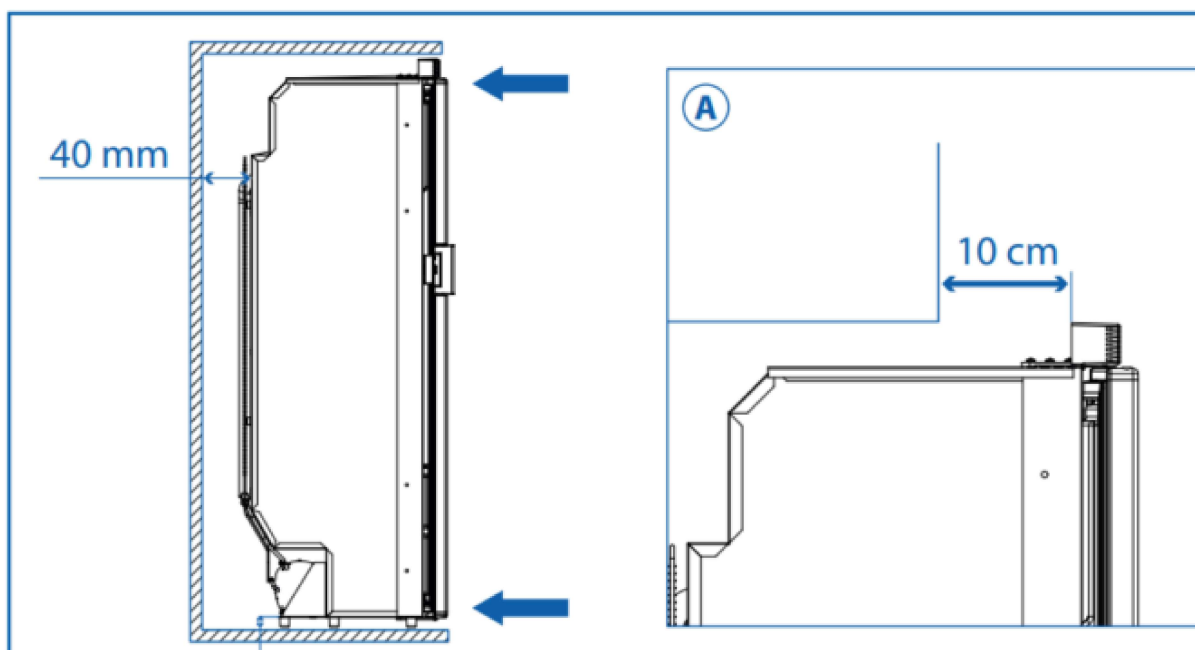
ATTENTION

The product is suitable for installation in recreational vehicles only. Not suitable for boats.

The product and accessories are wrapped with buffer materials or attached with adhesive tape to prevent movement of movable parts during transport: remove them all before installation. Always transport the product in the upright position.

The product was designed and created for recessed installation and conforms to standard dimensions. The product must always be kept in a vertical position, with the rubber feet on the compressor on the bottom. The compressor can operate at an inclination of up to 30°. At a greater inclination, the compressor may become damaged.

1. Install the product in a stable cabinet, respecting the ventilation spaces shown in the figure;
2. Place the product partially in the cabinet, leaving 10 cm of space at the top (see detail A);
3. Connect the power supply connector to the 12 V outlet on the vehicle;
4. Slide the product into the cabinet.

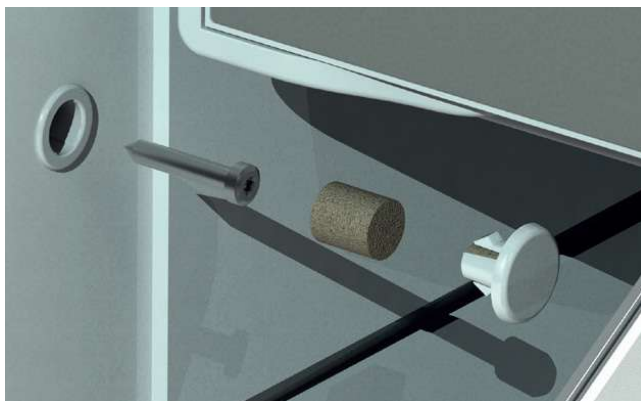


EASY FIX INSTALLATION

The operations indicated in this section must be performed by a qualified installer. To avoid cutting risks, always use appropriate PPE (personal protective equipment).

The product is installed in the housing using the Easy Fix system. This system has four special pre-drilled points inside the case for simple and effective installation that is not visible from the outside.

Always block the product so it cannot tilt/slide forward when pulling out the drawer or in the event of sudden vehicle movements. Anchor the product in at least 2 mounting points.



1. Attach the product with screws, using the predefined positions in the housing:
2. Use the white plugs for closing.

ELECTRICAL CONNECTION

When connecting to the vehicle's electrical system, proceed as follows:

- Before starting up the product, make sure the operating and/or battery voltage correspond to the data on the plate.
- Connect the product directly to the battery or main switch and make sure the system is equipped with an electrical device to protect the circuit from surges.



ATTENTION

Avoid connecting via the vehicle's electrical panel as this may cause drops in voltage.

- Insert a fuse upstream from the product (see table below). Connect the red cable to the positive pole on the electrical system and the black one to the negative pole. Use a pressed lug that is suited the size of the cable.
- A separate switch must be mounted upstream of the product to disconnect the power cables simultaneously.

MODEL	12VDC	24VDC
SLIM 70	6A	3A
SLIM 90	6A	3A
SLIM 140	15A	7,5A



ATTENTION

If there is a battery charger present, it must be connected to the battery and not directly to the product.

SIZE OF THE ELECTRIC CORDS

Always use cords with an adequate section. The minimum sections are shown in the table below.

SECTION MM2	AWG SECTION	MAX 12V CABLE LENGTH MT/FT	MAX 24V CABLE LENGTH MT/FT
2.5	13	2.5/8	5/16
4	11	4/13	8/26
6	9	6/19	12/39
10	7	10/33	20/66

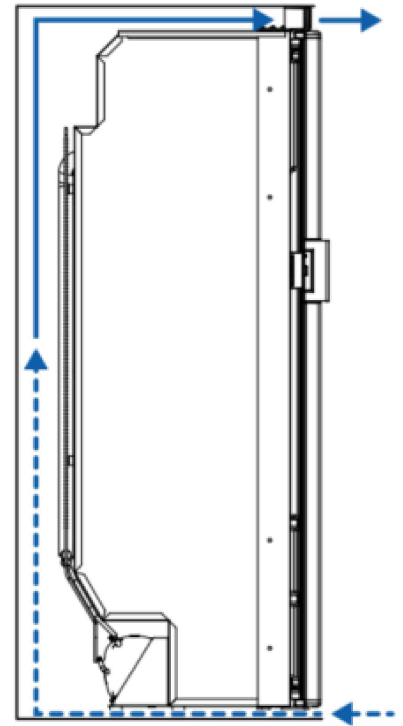
VENTILATION

The product's performance depends on the proper ventilation. Ventilation is through the front vents on the product. The cold air enters through the lower vent on the front and passes through the upper vent. Here it cools the refrigerant system. The hot air comes out through the upper vent.



ATTENTION

Do not block the upper and lower vents.

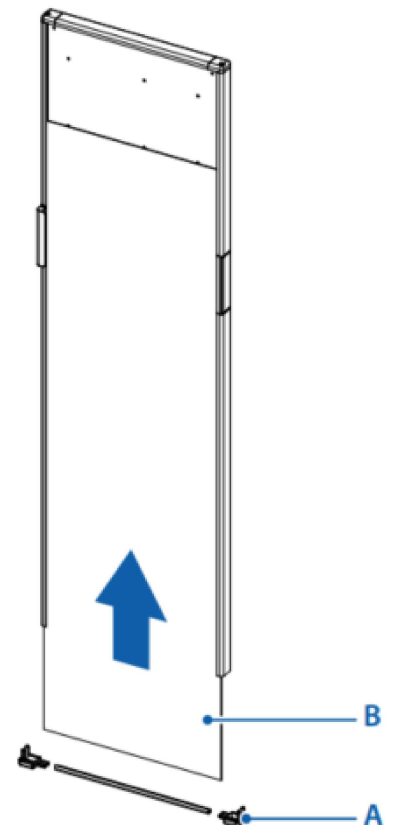


DOOR PANEL INSTALLATION

To match the product to the interior, a door panel may be installed, as indicated below.

The door panel must be mounted before installing the product.

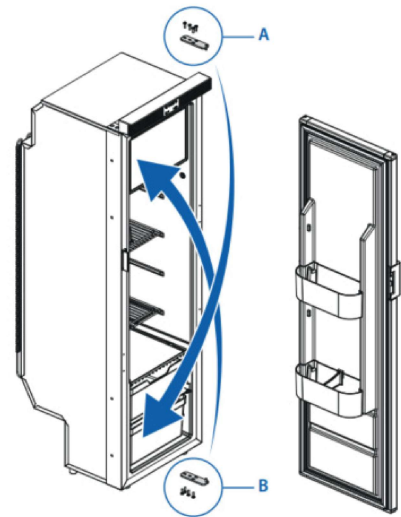
1. Remove the door from the hinges (see section 4.7 a pagina 76);
2. Remove the lower panel stop (A), gently extracting it;
3. Remove the panel by sliding it gently out of its housing;
4. Insert the new panel (B) in the door frame;
5. Reset the lower stop (A) and the angle elements, snapping them in place.



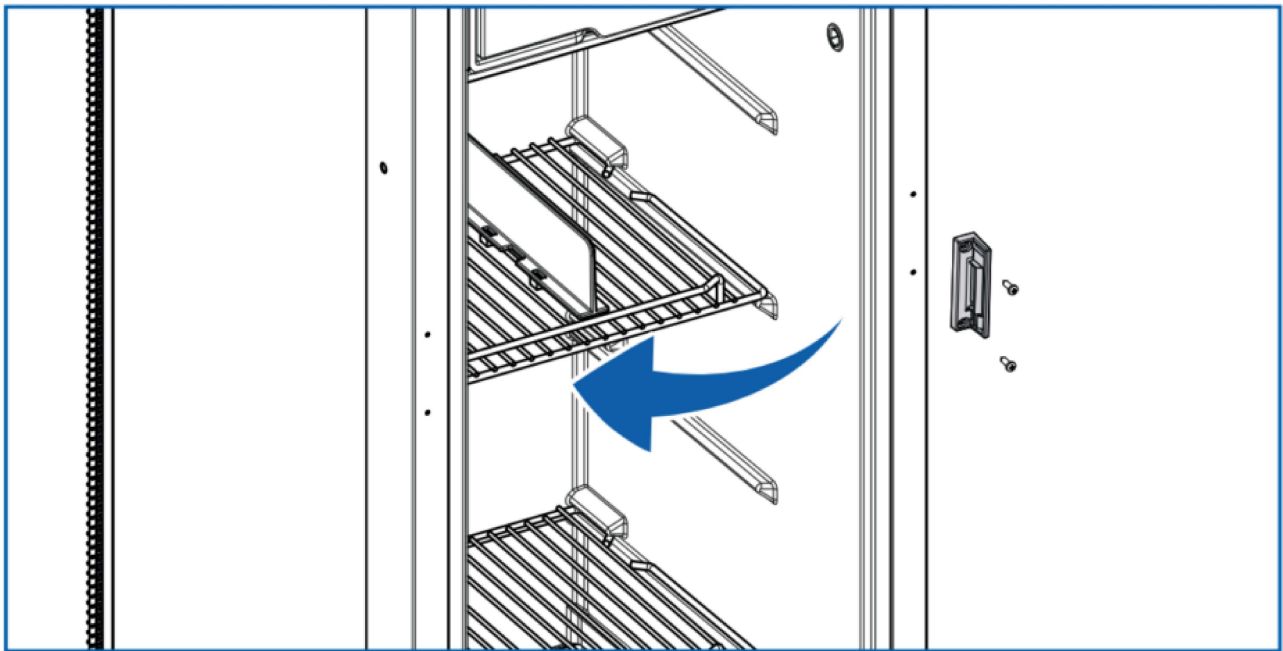
REVERSING THE DOOR OPENING SIDE

To change the direction the door opens, proceed as indicated:

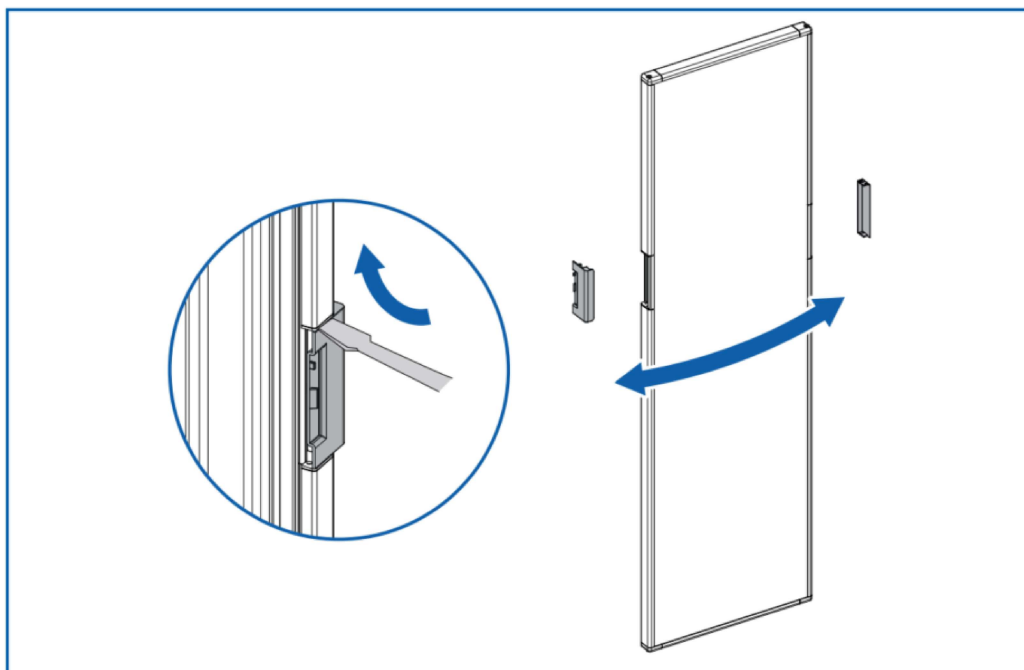
1. Unscrew the two door hinges (A and B);
2. Invert the upper hinge (A);
3. Install the door;
4. Invert the second hinge and attach the door.



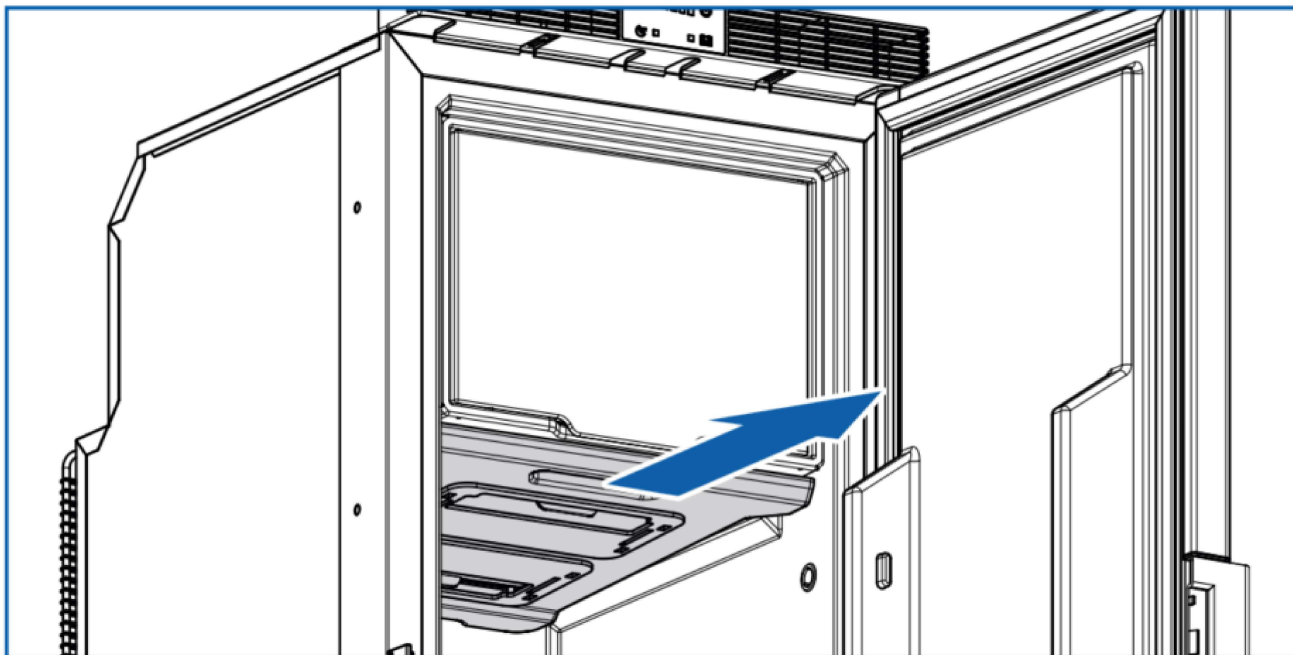
5. Move the refrigerator closure from one side to the other;



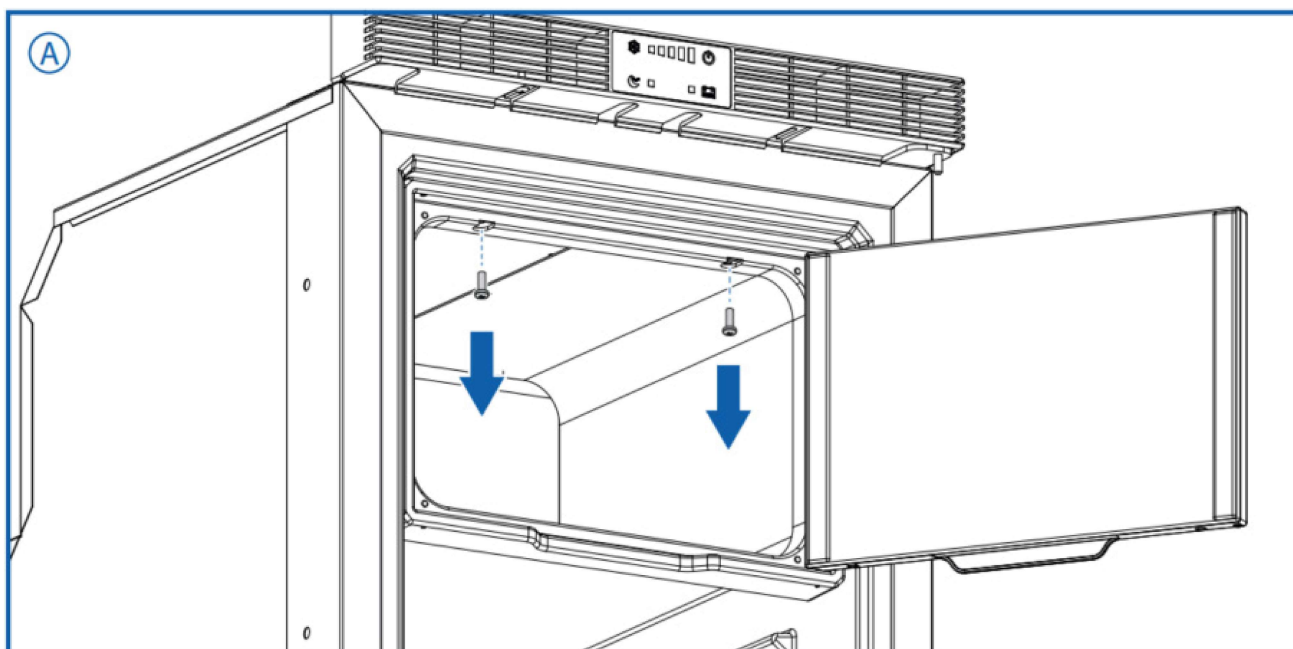
6. Move the handle from one side of the door to the other. To remove it, press lightly on the internal handle pin with a screwdriver (see figure), To replace it, lower the two internal pins and wedge it in its housing;



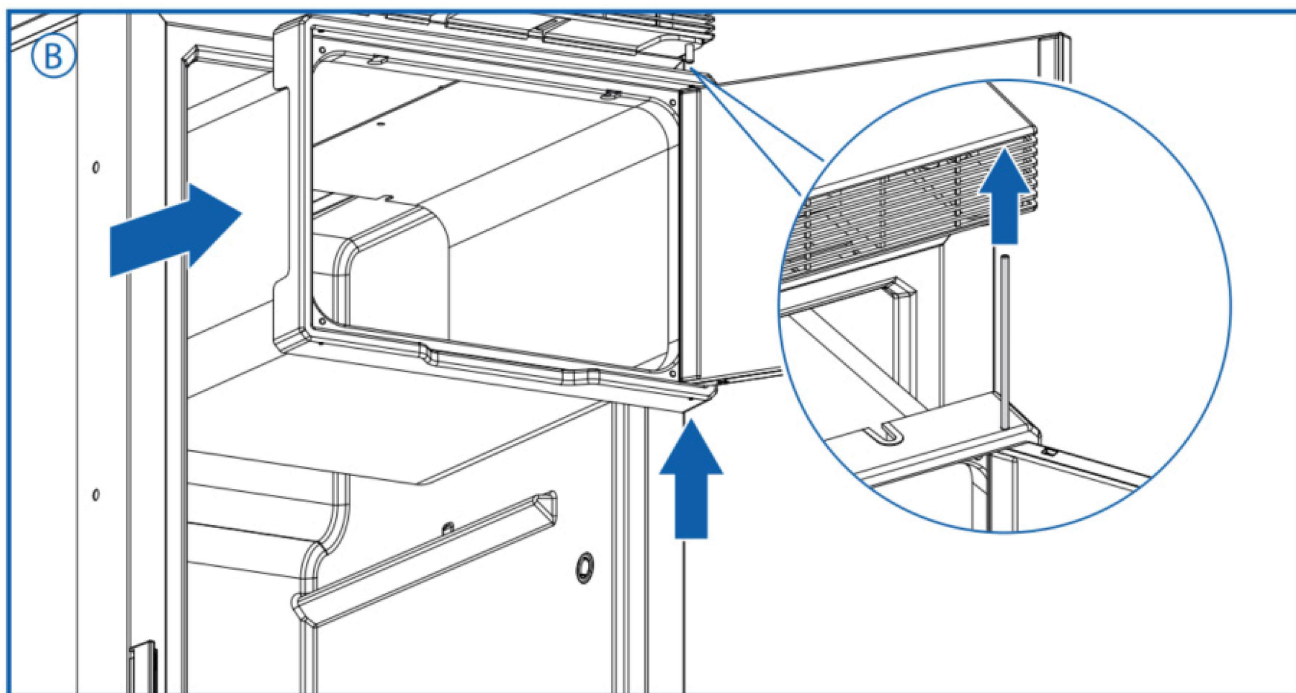
7. Remove the SmartTray;



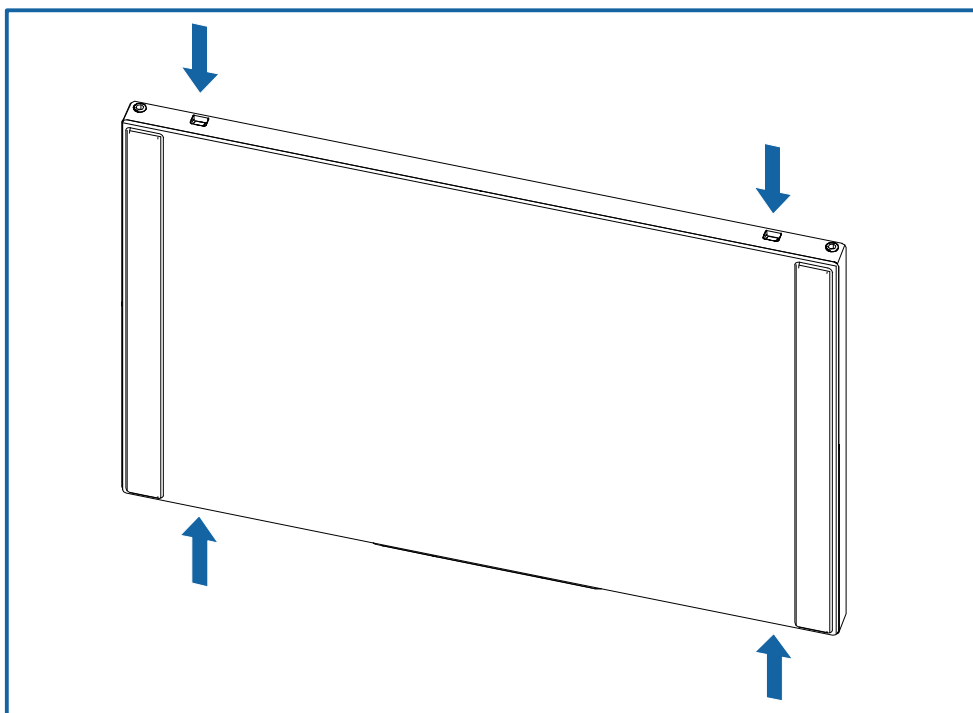
8. Remove the freezer compartment mounting screws;



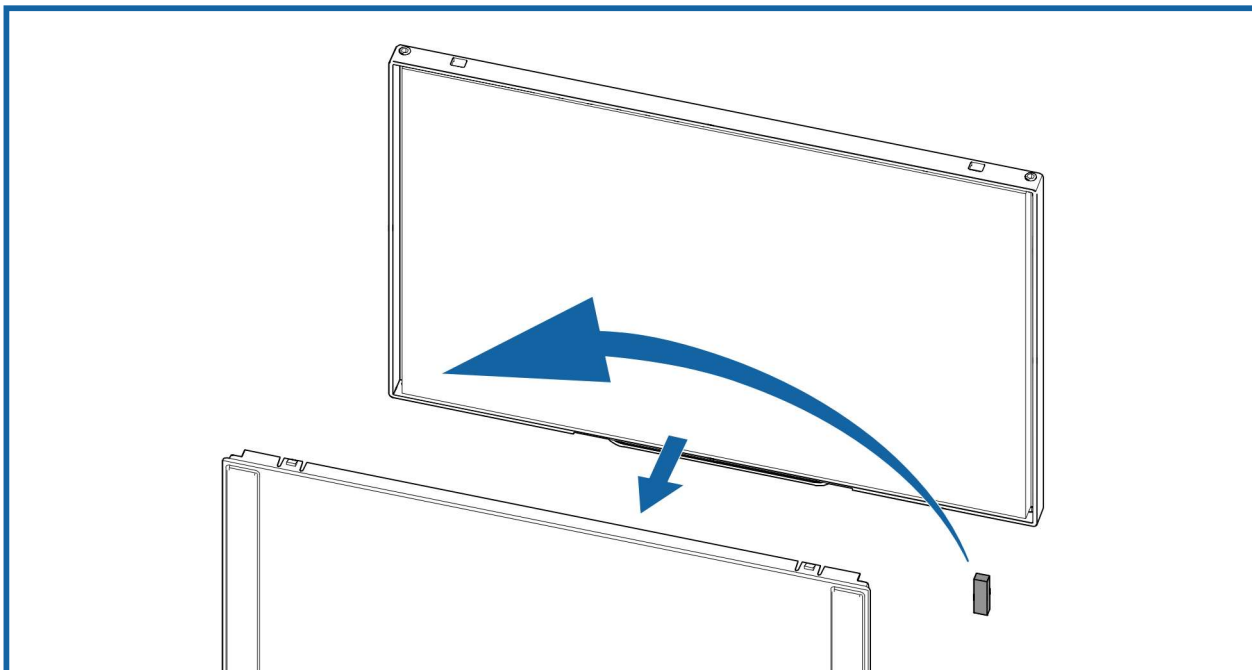
9. Partially remove the freezer compartment and remove the door by pulling out its pin, using a slight pressure from the lower hole and sliding it from the upper hole (as shown in the figure);



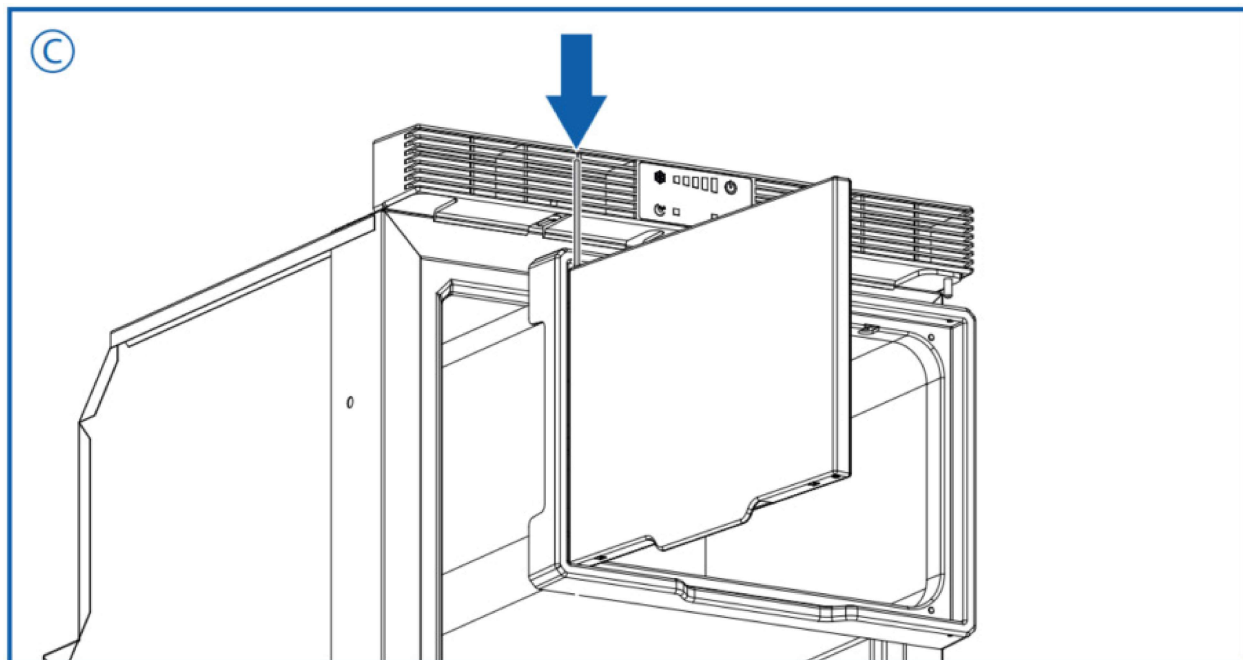
10. Detach the inner door panel from the door (as shown in figure) and remove it.



11. Turn the polystyrene panel with the magnet around horizontally.



12. Replace the door in the same manner on the other side.



STARTUP

To switch on the product:

- Press the on/off button and hold down for at least 3 seconds.

After 10 seconds, the display shuts off and only the power light remains lit (1). The light indicates that the product is still in operation.

For optimum performance, turn the product on 6 hours before placing products in it.

EN

FUNCTIONS



The product is equipped with a digital panel:

1. Power on/off button
2. Thermostat button
3. "Silent Night" button
4. "Smart Function" button

TEMPERATURE ADJUSTMENT

The refrigerator must be on to display the set temperature level.

- Press the  button once to show the set temperature level.

- Press the  button again to select the desired cooling level.

- Press the  button consecutively to select the temperature levels in sequence (from 1 to 5).

The product's temperature and active operating time depend on the ambient temperature and battery conditions, the electric charge of other devices in the vehicle, the contents, and the frequency of use.

When the vehicle is exposed to full sunlight, we strongly recommend activating adequate ventilation of the vehicle.

“SILENT NIGHT” FUNCTION

“Silent Night” was designed to be used during periods when the product is used less, for example, during the night.

When this mode is active, the product reduces the noise level to increase the comfort level on board, modulating cooling based on energy availability.

- To activate the mode, press the  button.
- The blue light next to the  button indicates that Silent Night mode has been activated.
- To disable this mode, press the  button.

We do not recommend using Silent Night mode when the room temperature is above 32°C.

Silent Night mode disables itself automatically 10 hours after activation.

Silent Night mode may be activated simultaneously with the Smart function.

“SMART” FUNCTION

When this mode is active, the product continuously measures the amount of energy available, accumulating cold in foods during the periods in which it is in abundance and reducing the energy consumption when it is limited.

- To activate the mode, press the  button.
- The blue light next to the  button indicates that Smart mode has been activated.
- To disable this mode, press the .

We do not recommend using Smart mode when the external temperature is below 20°C.

Smart mode may be activated simultaneously with the Silent Night function.

BATTERY PROTECTION LEVEL ADJUSTMENT

The battery protection level defines the minimum voltage under which power to the product is interrupted.

To set the battery protection level, proceed as follows:

- with the product off, press and hold the "Silent Night" and "Smart" buttons for 3 seconds. This makes it possible to display/ set the battery protection level.
- Each time the intensity button is pressed, another LED lights up until the maximum level is reached (5). Once at level 5, pressing it again starts over from level 1.
- To save the change, wait until the display stops flashing and turns off. Once restarted, the appliance will use the newly set values.

Livelli	Valori (V±0.3) per	
	Cut-in	Cut-out
	10.9 21.3	9.6 22.7
	11.3 23.4	10.0 22.0
	11.7 24.2	10.4 22.8
	12.0 25	10.8 23.6
	12.4 25.7	11.1 24.3

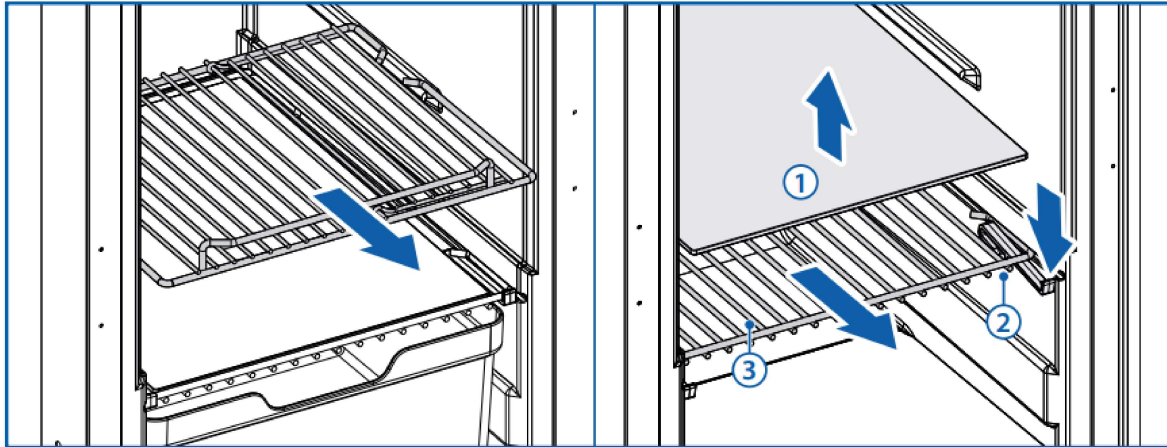
RECOMMENDATIONS FOR USE

- If possible, turn on the appliance about 6 hours before adding products.
- Frequent opening of the appliance leads to greater power consumption.
- Adequate ventilation of the compressor and condenser significantly reduces power consumption.
- Never block the product's ventilation system.
- The electrical system must be in excellent conditions. Check the batteries and their charge level regularly. Always use a starter battery separate from the motor.
- The compressor can operate at an inclination of up to 30°. Greater angles may cause permanent damage to the compressor.

SHELF ORGANIZATION

GRILLE POSITIONING

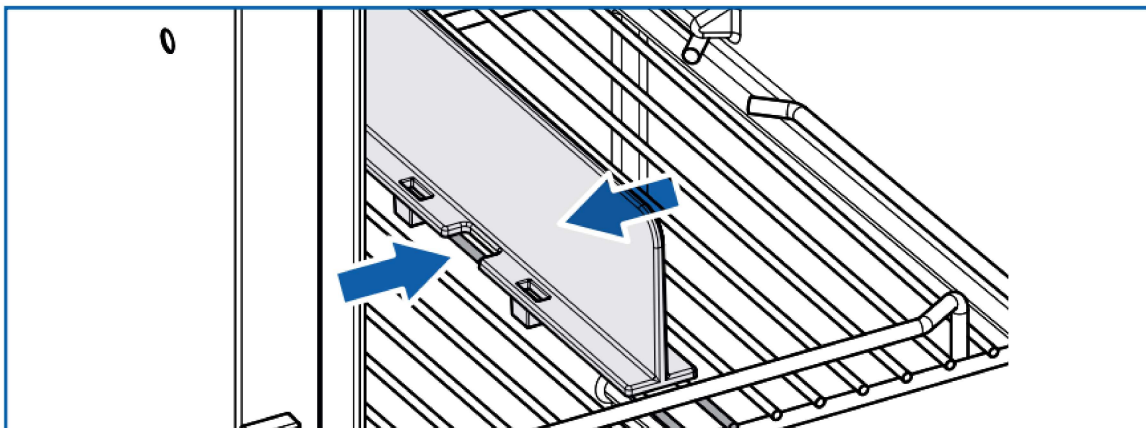
To organize the refrigerator compartment as desired, move the grilles as indicated in the figure.



USING THE SEPARATORS

The separators are provided with the product to limit the movement of foods during travel.

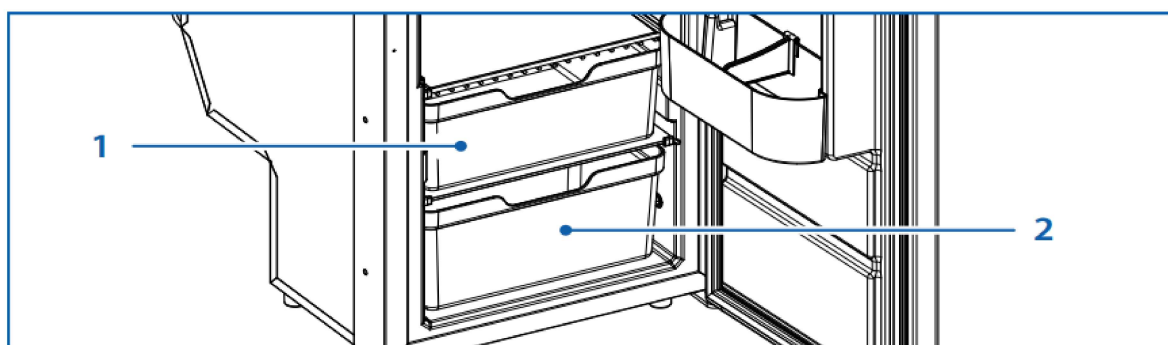
To move the shelf separator, use the two strips it rests on. Exert a small amount of pressure, as shown in the figure, and reposition the separator as desired.



USING THE COMPARTMENTS

Use the lower compartment for fruit. Use the upper compartment for vegetables.

When the room temperature is 32°C or above, we recommend removing the glass shelf located above the upper compartment to optimize cooling of the refrigeration compartment.



SMART TRAY

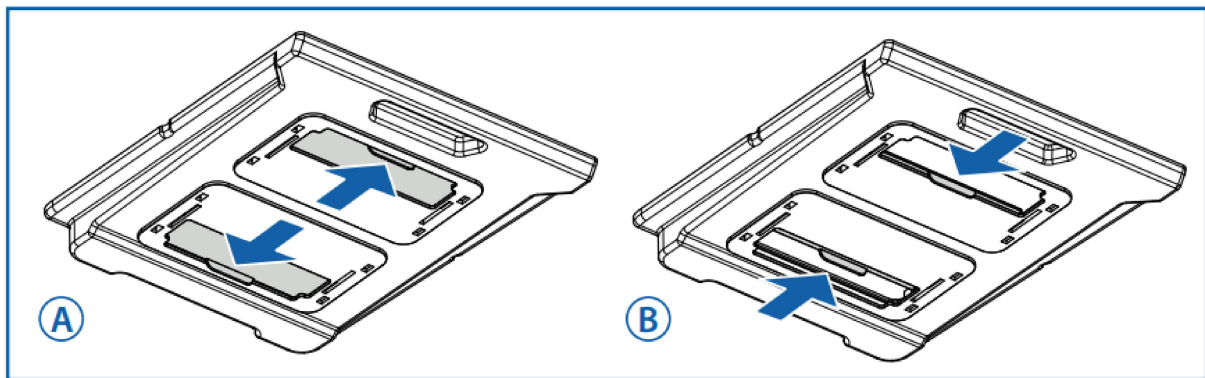
The Smart Tray was designed to perform two functions: collect water drips that accumulate during normal use of the products and, through the use of its two windows, convey the cooling energy to boost the freezer or refrigerator compartment. To empty the Smart Tray (see "Emptying the Smart Tray").

Check the Smart Tray regularly and always empty it before travelling.

COOLING REGULATION

- To increase the cooling power of the freezer compartment, the windows on the drip tray may be closed.

When the room temperature is 25°C or above, we recommend opening the windows progressively to obtain the proper balance between the refrigerator and freezer compartments.



NOTE:

(Only for the SLIM 70 model) To ensure adequate function of the fridge and freezer compartments, keep the polystyrene insulation in its place.

SHUTTING OFF AND DECOMMISSIONING

Turn the product off before defrosting or storing the vehicle

- Press the on/off button and hold down for 3 seconds. The light on the display will turn off.

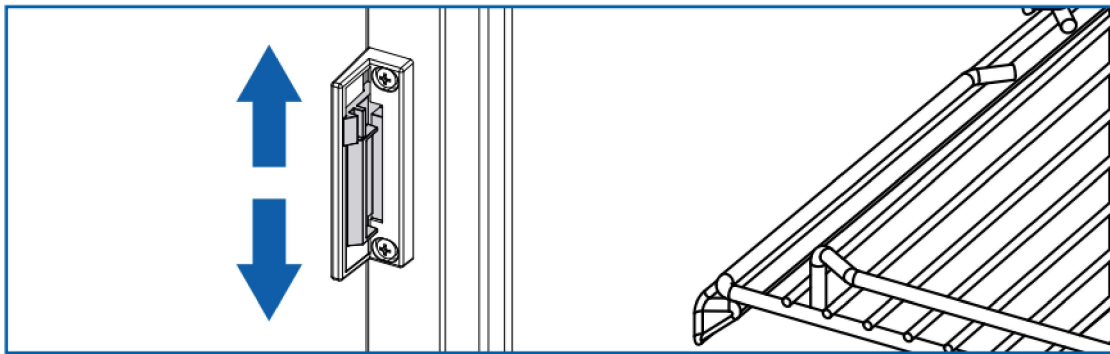
If the product will not be used for a long period of time:

- Empty the product;
- Completely defrost the product and remove the condensation that was formed to prevent damage to the product, electrical/mechanical components, and/or to prevent mould;
- Thoroughly clean the entire refrigerator.

While the product is not being used, keep the refrigerator and freezer doors open.

The product has a special door block system to set the door in ventilation position.

To set the door in ventilation position, use the door lock, pushing it up, for ventilation position, or down, for closing position, as shown in the figure.



If the door opening direction is inverted, the door lock system will operate in the opposite sense.



ATTENTION

Always disconnect the power supply from the product before proceeding with any work on it to avoid damage and health hazards.

MAINTENANCE

ROUTINE MAINTENANCE

The operations indicated in this section may be performed by the user. To avoid cutting risks, always use appropriate PPE (personal protective equipment).

CLEANING

For optimal performance, clean the product regularly:

- Turn off the product;
- Remove the shelves, compartments, removable tray, and drawers;
- Thoroughly clean the inside of the product and its accessories with warm water and neutral soap, then dry completely with a cloth;
- Clean the outside of the product with a soft, damp cloth;
- Wait until the product is completely dry;
- Switch the product back on.



ATTENTION

Do not use harsh detergents, abrasive metal sponges, or hard brushes.
They could damage the product.



ATTENTION

Do not clean the product with harsh, caustic, or soda-based soap or detergents.



ATTENTION

Do not expose the product to water.

The free parts of the product are not dishwasher safe.

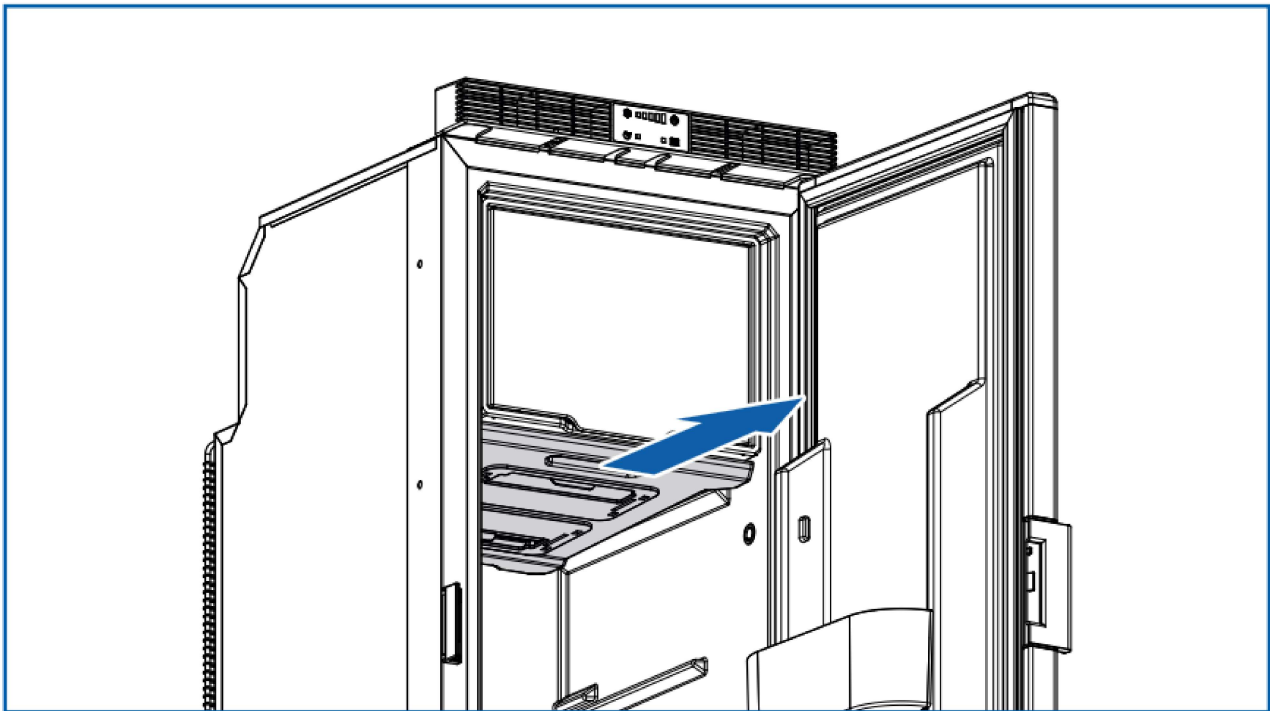
Dust below the product could block the air flow necessary for proper operation.

Therefore, frequently remove all dust located in this area using a vacuum, for example.

EMPTYING THE SMART TRAY

Always keep the inside of the product clean and dry.

Remove the condensation from the Smart tray below the freezer compartment, as shown in the figure.



DEFROSTING

Ice can accumulate in the freezer compartment and on the surface of the refrigerator compartment.

Always defrost the refrigerator when the frost layer is 3-4 mm or greater.

Otherwise, the product's performance may drop.

To defrost the product, proceed as follows:

- Remove all food;
- Turn off the product;
- Defrost when the products may remain as cool as possible outside of the appliance. Do not use sharp or pointy objects to remove the ice and frost from the walls, since the product could be damaged, causing refrigerant leaks.
- Remove, empty, and dry the drip tray under the evaporator.

As needed, during defrosting, place a towel under the refrigerator to make it easier to collect the water.

- Only turn the product back on after it has been carefully defrosted, cleaned, and dried.



ATTENTION

Do not accelerate the defrosting process by forcing the removal of the ice layer with sharp objects or using a hair dryer or other electrical device.

EXTRAORDINARY MAINTENANCE



ATTENTION

All extraordinary maintenance interventions must be carried out by technical personnel authorized by the Manufacturer.

SEARCH FOR MALFUNCTION

All operations on electrical parts or connections and on the refrigerant circuit must be performed qualified and authorized personnel.



ATTENTION

Disconnect from power before any operation on the electrical parts or connections.

DISPLAY DIAGNOSIS

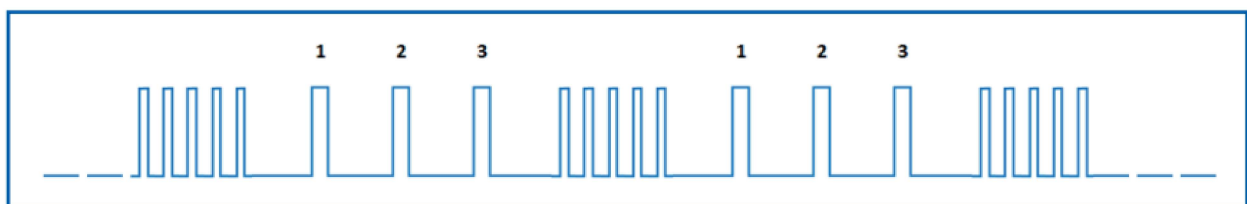
The display is equipped with a self-diagnostic system. If there are any malfunctions, the error will be shown on the display as follows:

- 5 quick flashes in sequence (1.5 sec) to signal that the product is in error status;
- no. slow flashes (see table below) to signal the type of error.

The error signal sequence will be repeated until the system is restored.

All 5 LEDs will flash during the error signal.

Example of flashing for error “E3” = Compressor failure



ERROR	ERROR IDENTIFICATION
1	Battery protection (the voltage is outside the minimum and maximum range)
2	Ventilator short circuit (the fan absorbs more than 0,5A from the electronic control unit)
3	Motor startup error (the rotor is blocked or the pressure in the refrigerant circuit is too high [> 5 bars]) Electronic control unit failure
4	Minimum motor speed error (if the cooling system was overloaded, the motor cannot keep up the speed of 1850 RPM)
5	Thermal protection of the electronic control unit
6	Defective probe (the probe is defective or not connected)
7	Communication error with display

USEFUL TIPS

1. Use the product in MAX mode in the following cases:
 - when the product is used as a refrigerator in high ambient temperatures;
 - when you want to reach the set temperature in the shortest possible time.
2. Use the product in ECO mode in the following cases:
 - when the product is used as a refrigerator in lower ambient temperatures;
 - when the vehicle is parked for long stops (with the engine off).

FILLING

Avoid placing hot foods in the fridge. Arrange the contents so as to avoid bumping or breakage during the movement of the vehicle.

Make sure that the door is always properly closed and reduce opening time to a minimum.

DEFROSTING

Defrosting is necessary when the frost layer is more than 4 mm thick.

This is done with the refrigerator switched off.

Do not remove the frost and ice layer with pointed or sharp tools.

Wait until it has completely thawed out and then switch on again.

ONLY FOR SALES WITHIN THE EUROPEAN COMMUNITY (EU)

This appliance is marked according to the European Directive 2012/19 / EU (WEEE). The symbol on the product indicates that this product should not be treated as household waste.

Ensure that this product is not entered as part of the flows of municipal waste but treated as professional WEEE.



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