

Portable fridge

**orava**

# TF-200

## Instruction manual

EN



CE

TF-200

## Intended use of the device

The device is intended exclusively for cooling or heating food and beverages, to the extent specified in the technical and operating parameters and functions, safety and user instructions and external influences of the operating environment.

ORAVA electrical appliances are manufactured according to current knowledge state of the art and recognized safety regulations. However, improper and unprofessional use or use in there is a risk of injury or endangerment of the life of the user or a third party, damage to equipment and other property.

### 1. GENERAL SAFETY INSTRUCTIONS AND WARNINGS

- This document contains important safety instructions and warnings for safe, correct and economical operation of the electrical equipment. Its compliance helps the user avoid risks, increase reliability and product life.
- In this document, the general term product is used in text parts such as: electrical equipment - any device used for the production, conversion, transmission, distribution or use of electricity.
- From the point of view of the purpose of using electricity, the concept of electrical equipment in the strict sense of the word will include the following categories:
  - household electric appliances,
  - information and communication equipment,
  - consumer electronics,
  - lighting equipment,
  - electrical and electronic tools,
  - toys and equipment for sporting and recreational purposes,
  - medical devices (aids),
  - monitoring and control devices,
  - vending machines.

#### 1.1 General safety instructions

- Before operating the unit, we recommend that you carefully read the instruction manual and operate the equipment in accordance with the instructions!
- The safety instructions and warnings in this manual do not cover all the possible conditions and situations that may arise when using the device. The user must understand that a factor that cannot be incorporated into any of the products is personal responsibility and caution. These factors must therefore be ensured by users serving this device.
- Failure to follow the safety instructions and warnings is forbidden by the manufacturer for any damage to health or property!
- Keep the instruction manual as close to the device as possible throughout its service life. Always keep the instruction manual together with the appliance for future use and use by new users.
- Use the appliance only for the intended purpose and in the manner specified by the manufacturer.
- The appliance is intended for home and similar indoor use without special focus.

- This appliance is intended, in addition to domestic use, for the following uses:
  - in shops, offices and other similar work environments;
  - in economic buildings;
  - in hotels, motels and other residential environments;
  - in bed and breakfast establishments.
- It is not a professional device for commercial use.
- Do not change the technical parameters and features of the device by unauthorized modification or modification of any part of the device.
- The manufacturer is not responsible for damages caused during transportation, misuse, damage or destruction of the equipment due to adverse weather conditions.

## **1.2 Safety of the operating environment**

- Do not use the device in an industrial environment or outside environment!
- Do not expose the appliance to:
  - sources of excessive heat or open flame,
  - dripping or splashing water,
  - vibration and excessive mechanical stress,
  - insects, animals and plants,
  - aggressive and chemical substances.
- The operating environment of the device must always be in accordance with the basic characteristics set out.
- Features of the operating environment:
  1. Ambient temperature:  $+5 \div +40$  °C
  2. Humidity:  $5 \div 85\%$
  3. Altitude:  $\leq 2\,000$  m
  4. Occurrence of water: intermittent condensation of water or occurrence of water vapor
  5. Occurrence of foreign bodies: quantity and type of dust are insignificant
  6. Protection degree: min. IP20 (device protected from touching dangerous parts by hand and non-waterproof)
- This degree of protection is not indicated on the product and on the technical parameters in the operating instructions.
- If the protection class of the product is different from IPX0, this information is then displayed on the label of the appliance or in the technical data of the operating instructions.
- Other characteristics of the domestic operating environment (mechanical stress - vibrations and vibrations, occurrence of plant, animals, weather effects ...) are negligible in terms of effect on the correct and safe use of electrical equipment.

### 1.3 Electrical safety

- Before connecting the appliance to the power supply for the first time, make sure that the voltage on the appliance label corresponds to that of the household electrical outlet.
- The electric appliance is designed to power from 1 / N / PE ~ 230 V 50 Hz.
- The electrical safety of the appliance is guaranteed only if it is properly connected to the mains.
- Electrical protection class I equipment is equipped with a protection against electric shock by means of protective earthing of inanimate parts, which can become dangerous when the device is malfunctioning. Always connect such devices to properly installed mains sockets that are equipped with earthing conductors and have a properly grounded earthing conductor.  
All electrical equipment is equipped with a three-wire power supply.
- Class II electrical equipment is protected against electric shock by double insulation or by enhanced insulation of hazardous live electrical parts. Device of protection class II it must not be equipped with means to connect protective earthing.  
All electrical equipment is equipped with two-wire power supply.
- Class III electrical equipment is a device that is powered by a small safe voltage source (battery or accumulator) and does not present any danger to the user from electrical shock.
- In order to provide increased safety against the risk of electric shock due to the use of electrical appliances by laypersons, it is recommended to install the power supply circuit for sockets with a rated current not exceeding 20 A RCD with a rated operating current not exceeding 30 mA.  
To ensure the safety and correctness of the electrical installation, consult a qualified electrician.
- Only use a power cord with a plug (mains lead) supplied with the device and compatible with a wall socket. Using another cable may result in fire or electric shock.
- Always connect an electrical appliance to an easily accessible mains socket. In the event of an operating fault, the appliance must be switched off as soon as possible and disconnected from mains supply.
- The power cord and mains plug must always be easily accessible for safe disconnection of the electrical appliance from the power supply.
- Do not pull off the power cord by pulling the cable. Disconnect the power cord by pulling the plug behind the power cord plug.
- If you use an extension cord, make sure that the total rated power of all devices connected to the extension cord does not exceed the max. current load on the extension cable.
- If you need to use an extension cord or power supply block, make sure that the extension cord or power pack is plugged into a power socket, and not to another extension cord or power supply. The extension power cord or power supply block must be designed for grounded electrical plugs and connected to a properly grounded electrical socket.
- The power plug of the appliance must be compatible with the mains socket. Never use any adapters or modify the socket in any other way. Do not use inappropriate or damaged drawers!
- To avoid electrical shock, plug the power cables into properly grounded electrical sockets. If the device is equipped with a 3-pole plug, do not use adapters that do not have a grounding element or remove the grounding element from the plug or adapter.
- Do not bend, crush or otherwise expose the power cord of the appliance to mechanical stress or external heat sources. Damage to the power cord may result in electric shock.

- When the power cord is damaged, disconnect the appliance from the mains and do not use it again.
- If the power cord is damaged, it must be replaced by the manufacturer, its service department or a similarly qualified person to avoid the risk of electric shock.
- Regularly check and maintain the electrical appliance as well as the power cord and power socket. Disconnect the power plug regularly and clean it if necessary. Pollution by dust or other substances may cause disruption of the insulating state and consequently fire.
- Do not expose the appliance to water or moisture. The ingress of water into the appliance increases the risk of electric shock.  
If the power cord is wet or the water has penetrated the water, disconnect it immediately from the mains. If the appliance is plugged into a mains socket and if possible, turn off the power circuit before attempting to unplug the power. If you are pulling wet wires from a live power source, be very careful.
- If the electrical equipment is installed (connecting) the protective covers are dismantled, the electrical parts must not be accessible to the user when the installation is finished.

#### **1.4 Safety of persons**

- This appliance is intended for use and operation by persons without electrotechnical qualification - lay people, according to the instructions specified by the manufacturer.
- Device operation includes activities such as switching on and off, user manipulation and setting of operating parameters, visual or auditory inspection of the equipment, and user cleaning and maintenance.
- This appliance can be used by children under the age of 8 and persons with reduced physical, sensory or mental capabilities or lack of experience or knowledge when supervised or instructed to use the appliance safely and understand the dangers involved.
- Children may not play with the appliance.
- Cleaning and maintenance for users may not be performed by children unattended.
- Always keep the appliance out of reach of children during use and operation. Be sure to download the appliance even for a freely accessible power cord.
- Always be careful when operating the electric appliance! Do not use an electric appliance if you are overly tired, under the influence of medication or narcotic drugs that reduce attention and focus.
- Inattention during operation may result in serious injury.

## 1.5 Cleaning, maintenance and repairs

- Observe the normal user cleaning and maintenance of the appliance in the recommended way. Do not use solvents or harsh cleaners for cleaning. Pollution and visible stains from finger contact, respectively. The hands can be cleaned using detergent detergents specially designed to clean household appliances.
- If you do not use the appliance, clean it or disconnect the appliance from the power supply when the appliance is faulty.
- Electrical appliances that are cleaned after use and are not intended to be completely or partly immersed in water or other liquid, protect against the effects of dripping and / or splashing water and before immersion.
- Electric household appliances, like all other technical devices, are subject to the surrounding environment and natural wear. Since the legal framework of regular maintenance is not laid down for lay-in electrical household appliances, the manufacturer recommends that the user have the appliance checked and cleaned at least once a year by a specialist workshop.
- By doing so, it is possible to achieve safety, operational reliability and increased service life.
- Do not disassemble the electric appliance! The appliance works with a dangerous voltage. For this reason, always switch off the appliance and disconnect it from the mains supply during user maintenance. In the event of a fault, please have the repair serviced by an authorized service center.
- Before calling a service:
  1. Verify that you are unable to remedy the malfunction yourself according to the procedure described in the chapter „Remedy of operating faults“.
  2. Turn the appliance off and on to make sure the fault reappears.
  3. If the malfunction of the appliance still persists after these operations, call the nearest specialist service center.
- Never repair the electric appliance yourself!
- Unauthorized, unqualified and improper use of an electric appliance may result in electric shock or other serious injury.
- Only carry out the warranty or post-warranty repair of an electrical appliance to an authorized qualified person <sup>(\*)</sup>.

<sup>(\*)</sup> Competent qualified expert: the sales department of the manufacturer or importer or the person qualified and authorized to carry out this type of activity with the ability to avoid all risks.

## Special safety instructions. Read carefully!

The electrical equipment is designed and manufactured in such a way as to allow safe operation and use by persons without professional qualifications. Despite all the measures taken by the manufacturer for safe use, operation and use carry certain residual risks and the possible dangers associated with them.

The following symbols and their meanings have been used on the device and in the accompanying documentation to warn of possible dangers:



This symbol alerts users to the fact that the device operates on hazardous electrical voltage. Do not remove the protective covers on the device.

Failure to observe the safety instructions for the use and operation of the device may result in:

Danger of electric shock!

Danger of serious injury or death!



This symbol alerts users to the risk of serious injury or death if the safety instructions for the use and operation of the device are not observed!

Danger of equipment damage or other property damage!



This symbol means that the product is made with double insulation between hazardous live parts (parts with dangerous mains voltage) and parts that are accessible during normal use.

### Transport/Carrying

- Only transport / carry the device after a thorough inspection of the area and the route, which must be unobstructed.  
Never carry the device while it is in operation. Do not carry the device while it is connected to the mains.  
When carrying, make sure that your hands and the device are not wet or slippery. Danger of serious injury or death!  
Danger of damaging the device!

### Unpacking/Packaging

- Before putting the device into operation, unpack the device and dispose of all its parts and accessories with residues of packaging materials, etiquettes and tags. Keep all packaging materials in a safe place or keep them out of the reach of children and incompetent persons.  
Danger of serious injuries! Danger of suffocation!

### Inspection/Commissioning

- Never use the device if it is incomplete, damaged or any part of it has been damaged during use. Have the device repaired by a specialist garage.  
Danger of serious injuries!
- Children under the age of 3 must be denied access to the facility unless they are permanently supervised.
- Children under the age of 3 and under 8 must not plug, regulate or clean or maintain the appliance by the user.

## Caution!

- Pay special attention if vulnerable people or children are present.
- The device may be used by children from 8 years of age and the elderly with reduced physical, sensory or mental abilities or lack of experience and knowledge, provided they are supervised or instructed in the safe use of the device and understand the potential hazards. Children must not play with the device. Cleaning and maintenance that can be performed by the user must not be performed by children without supervision. Keep the device and its mains cord out of the reach of less than 8 years of age when it is plugged in or cold.
- Do not use the device in an industrial environment. This is not a professional device.
- Before connecting the device to the mains, make sure that the rated voltage indicated on the type plate of the device corresponds to the voltage in your socket.
- Only connect the device to a properly grounded socket.
- Do not leave the device unattended when it is connected to the mains.
- For DC power mode, the device must be powered by the cable with the car cigarette lighter connector supplied with the device. Make sure that the supply voltage corresponds to the parameters indicated on the device (DC 12 V).
- If your hands are wet or damp, do not touch the device that is connected to an electrical socket.  
There is a risk of damage to the device or other property damage!  
There is a risk of electric shock!  
Danger of serious injuries!
- Always unplug the device before switching it off for a short time or after use.  
There is a risk of damage to the device or other property damage! Danger of burns!
- The device must not be used if it has fallen on the ground, showing visible signs of damage.
- Make sure that the power cord does not come into contact with water or a warm surface.
- Do not unplug the device by pulling on the power cord. This may damage the power cord or power outlet. Unplug the power cord by pulling on the plug of the power cord.
- If the power cord is damaged, have it replaced by a qualified service center. It is forbidden to use the device with a damaged mains cable or mains plug.
- Do not use extension cords or adapters with the device.
- If you notice anything unnatural, such as a burn odor, turn off the machine and unplug it.
- To avoid the risk of electric shock, do not repair or modify the device yourself. Have all repairs carried out by an authorized service center. By interfering with the product, you run the risk of losing the legal right from incorrect performance, or quality guarantees. There is a risk of damage to the device or other property damage! There is a risk of electric shock!  
Danger of electrical short circuit!



## **Location/Installation**

- The device must be used and stored on a stable surface.
- Always make sure that the place where you want to place the device has sufficient space, stability, mechanical strength.

## **Warning!**

Do not place the device:

- on uneven and unstable surfaces,
- close to heat sources (oven, etc.).
- Do not partially cover the device. Do not block air inlets or outlets with linen, clothing, curtains, or the like.
- Do not place any objects on the device.
- Do not place liquid containers on the device.
- Do not hang other objects on the device.
- Do not climb, sit, or lean on the device, or place heavy objects on it.
- Do not expose the device to rain.
- Keep the ventilation grille of the device free of obstructions (minimum distance 10 cm).
- Store food in its original packaging or other suitable container.
- Do not store explosive substances such as batteries, spray cans with flammable substances in the device.
- Do not use the device in a poorly ventilated area. Heat buildup and malfunction may occur. Proper ventilation is important to protect the equipment from overheating.

## **Warning!**

- Do not allow children to manipulate (play with) the device. The device can tip over and cause very serious injuries. Mechanical damage (cracking or breaking of parts and covers) of the device can cause serious injuries. Danger of very serious injuries!
- There is a risk of damage to the device or other property damage!
- Always keep the device under supervision during use and operation!
- This unit is not intended to be operated by a programmer, external timer or remote control, as there is a risk of fire if the unit is covered or incorrectly positioned.
- Do not leave the device unattended during operation, especially if there are children, incompetent persons or animals near them.
- In normal use, always connect the device to the mains socket first and then switch it on with the main switch - regulator.
- When you have finished using the device, switch it off with the main switch - regulator and then pull the mains plug out of the mains socket.

## **Warning!**

- The electrical socket and power cord must remain easily accessible for safe disconnection of the device from the mains.
- Never leave the device unattended and freely accessible with a free-hanging power cord. Children, incompetent persons or animals could pull the device by the power cord.
- If you use the device where pets are kept, be careful not to get it wet or gnaw into the cable of the electrical device.
- Do not store the device with the power cord wrapped around its body. „Fold the power cord“ loosely in the way it was folded in the original packaging from the manufacturer.
- Do not damage, reshape, bend, pull, twist the power cord, or use it if it is tangled. Also, do not place heavy objects on the power cord or puncture it.
- Do not immerse the device, the mains cord and the plug in water or other liquids to prevent damage or electric shock. Protect the device from direct contact with water or other liquids.
- If the device will not be used for a long time, pull the mains plug out of the mains socket.

## **Cleaning/Maintenance**

Cleaning the outside of the device:

- Before cleaning, make sure that the power cord is unplugged.
- Do not use metal objects, petrol, thinners or abrasive cleaners, etc. for cleaning to avoid damaging the surface.
- To prevent possible electric shock, do not wash the device under running water, spray water on it, or immerse it in water or any other liquid.

Danger of serious injuries!

There is a risk of electric shock!

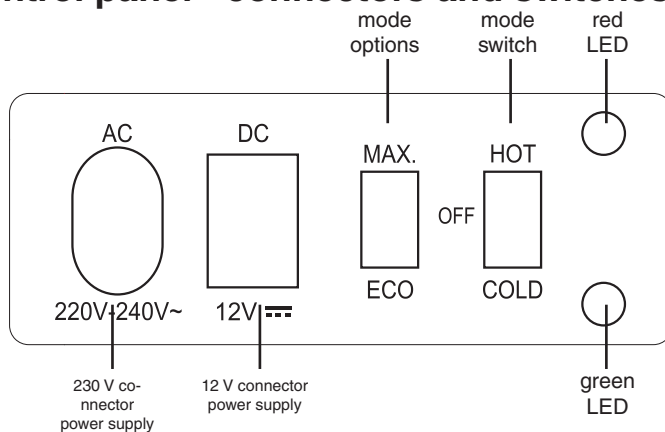
Danger of electrical short circuit!

## Description of parts



- 1. refrigerator body
- 2. top cover with electrical parts
- 3. connectors and switches
- 4. folding handle

## Control panel - connectors and switches



## Characteristic properties

- Thermoelectric mini fridge and heating device will provide you with cold drinks on hot summer days and hot food in winter on the slope.  
Whether you go hiking or stuck in traffic jam, you can enjoy a range of drinks and meals at the right temperature.
- This universal device is light and can be carried with the folding handle.
- The ability to supply both AC and DC voltage allows the device to be used almost anywhere.
- The device is ideal especially for students, for storing cold and hot drinks and food in their own room.  
When used in a hotel room, office or living room, its elegant design, attractive appearance, style, comfort and exceptional features will give you a feeling of satisfaction and comfort.
- The device combines two functions - cooling and heating. This allows the use of electrical circuits without a compressor or freon. Thanks to this, it is friendly to the air and the environment, it has small dimensions, low weight, excellent mobility, long life and very low energy consumption.
- The device is made of high-quality and health-friendly materials.

## Usage options:

- arranging celebrations on the shores of the lake
- on picnics or camping trips
- for taxi drivers
- in student dormitories or kitchens
- on children's playgrounds
- in offices or on a construction site
- while traveling by car
- on yachts or fishing
- in train cars, lorries or when traveling by bus
- for storing fresh milk and hot meals
- as a home bar

## Before first use

Do not connect the device to the mains or to the car power supply during preparation.

Unpack the device and remove all packing material. To remove any dirt from the device that may have formed during the packaging process, clean it with a dry, lint-free cloth.

(See „Cleaning and Maintenance“ in this manual.) Do not immerse the machine in water!

Clean the surface with a cloth dampened in water. Then dry the device thoroughly.

**Never immerse the device in water or any other liquid!**

**For home use only!**

## Preparation

### Location

Unplug the device before placing it.

Then place it on a flat and firm surface so that the device is firmly in place.

### Operating characteristics

To achieve the optimal cooling effect, we recommend placing pre-cooled food and drinks in the device.

The device is not intended for heating cold food, but for storing already heated food.

Heating can be up to approx. 55 °C.

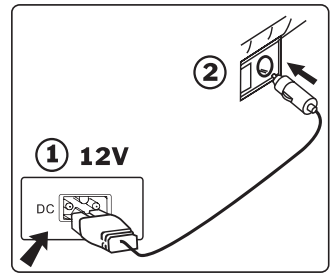
## Operation

1. First, make sure that the HOT / OFF / COLD switch on the control panel is set to OFF, then connect the device to the power. You can use mains power (AC 230 V ~) or car power (DC 12 V).

### Power supply in the car

Use the supplied car power cord. Connect the cable end to be connected to the device to the 12 V connector on the device and the other cable end to for the cigarette lighter and car power connector, connect to the car connector.

Set the mode switch from the center OFF position to the HOT or COLD position.

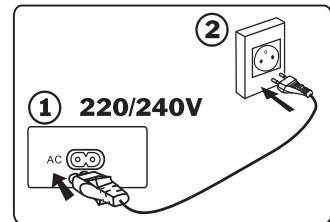


### Power supply

Use the supplied power cord for mains power.

Plug the end of the power cord to be connected to the device into the 220 V - 240 V connector on the device, and plug the other end of the power cord into an electrical socket with the specified voltage.

Set the mode switch from the center OFF position to the HOT or COLD position.



**Cooling:**

Set the mode switch to the cooling position (COLD - lower position).

The green indicator (bottom) lights up to indicate that the unit is in cooling mode.

**ECO mode:**

In ECO mode, the temperature will be automatically regulated to consume as little electricity as possible (but it will not be possible to reach the lowest temperature).

**Heating:**

Set the mode switch to the heating position (HOT - upper position).

The red indicator (top) lights up, indicating that the device is in heating mode.

**ECO mode:**

In ECO mode, the temperature will be automatically regulated to consume as little electricity as possible (but it will not be possible to reach the highest temperature).

**Notifications!**

The heater is designed to maintain the temperature of only preheated food and beverages. It is not intended for heating cold objects / food or for storing open containers or liquids.

After use, turn the switch to the OFF position and unplug it. Empty the contents, clean them and store them in a cool, dry place.

**DO NOT** switch the unit between cooling and heating modes. Turn off the unit and wait at least 30 minutes before switching to the new mode.

2. After use, turn off the unit by setting the cooling / heating mode switch to the center OFF position.
3. Disconnect the device from the power supply (from the car connector or from the mains).

## Cleaning and maintenance

- Before each cleaning, first unplug the device and let it cool down.
- Use only a slightly damp cloth to clean the device itself.
- Do not use any solvents or harsh cleaners.
- Do not wash the device in the dishwasher.

### Warning!

**Never immerse the device in water or any other liquid!**

Wipe the device and the power cord / power cord with a dry cloth.

After use, keep the device open to allow the smell of stored food to escape.

After using the device, always check that there are no drinks or food left in it.

The device does not require any other maintenance. There is no work on or in the device that the user should do. In case malfunction or visible damage to the device, contact customer service.

Do not wrap any cord around the cord during storage



## Technical specifications

<b>Power supply:</b>	220 - 240 V~ 50 Hz, DC voltage 12 V
<b>Power consumption:</b>	55 W max.
<b>Internal volume:</b>	20 liters
<b>Dimensions (w x h x d):</b>	38 x 40,5 x 25 cm
<b>Weight:</b>	3,2 kg
<b>Noise:</b>	56 dB (A)

The declared noise emission value of this device is 56 dB (A), which represents the sound power level A with respect to the reference sound power of 1 pW.

### Accessories:

<b>power cord (1,8 m)</b>	1x
<b>car cable at 12 V (2 m)</b>	1x

**We reserve the right to make changes!**

**Producer:**

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**DISPOSAL OF USED ELECTRICAL AND ELECTRONIC EQUIPMENT**

The symbol on the product or on its packaging indicates that this product does not belong to household waste. It is necessary to take it to a collection point for electrical recycling and electronic equipment.

By ensuring proper disposal of this product, you will help prevent negative consequences to the environment and human health that would otherwise be caused by inappropriate disposal of this product. For more detailed information about recycling of this product, please contact your local authority, your household waste disposal service or the shop where you purchased the product.



This product meets all the essential requirements of the EU directives that apply to it.