

Halogen heater

orava

HO-82

Instruction manual

EN



CE

HO-82

Intended use of the device

The device is designed exclusively for temperature control and distribution of warm air in enclosed living spaces, to the extent specified by technical and operational parameters and functions, safety and user instructions and external influences of the operating environment.

Warning!

Installation and use of an electrothermal appliance or electric infrared heater intended for heating is only possible provided that all technical conditions and requirements for fire safety laid down in applicable legislation, technical safety standards and these operating and operating instructions are observed. Do not use the appliance to heat rooms with precision instruments, food, plants, works of art or animals, as this could affect the performance, quality and durability of the items concerned and animal health.

ORAVA electrical appliances are manufactured in accordance with the state of the art and recognized safety regulations. Nevertheless, incorrect and unprofessional use or use contrary to the intended purpose may create a risk of injury or endanger the life of the user or a third party, resp. damage to equipment and other property.

1. GENERAL SAFETY INSTRUCTIONS AND WARNINGS

- This document contains important safety instructions and warnings for the safe, correct and economical operation of electrical equipment. Adherence to it helps the user to avoid risks, increase the reliability and durability of the product.
- In this document, the general term product is used in the text sections as: electrical equipment - is any equipment used for the production, conversion, transmission, distribution or use of electricity.
- In terms of the purpose of the use of electricity, the term electrical equipment in the narrower sense will include the following categories:
 - electrical household appliances,
 - information and communication equipment,
 - consumer electronics,
 - lighting equipment,
 - electrical and electronic tools,
 - toys and equipment for sports and recreational purposes,
 - medical devices (aids),
 - monitoring and control devices,
 - vending machines.

1.1 General safety instructions

- Before putting the device into operation, we recommend that you carefully read the operating instructions and operate the device in accordance with the specified instructions!
- The safety instructions and warnings in this manual do not cover all possible conditions and situations that may occur when using the device. The user must understand that personal responsibility and care are factors that cannot be incorporated into any of the products. These factors must therefore be ensured by the users operating the equipment.
- The manufacturer is not liable for any damage to health or property due to non-compliance with the safety instructions and warnings!
- If possible, keep the operating instructions close to the device throughout its service life. Always keep the operating instructions with the appliance for future reference and use by new users.
- Use the device only for the intended purpose and in the manner specified by the manufacturer.
- The device is intended for indoor use only.
- The device is intended for use in the home and in similar indoor areas intended for housing without special focus.
- This appliance is intended not only for domestic use but also for the following uses:
 - in shops, offices and other similar work environments;
 - in farm buildings;
 - in hotels, motels and other residential areas;
 - in bed and breakfast establishments.
- This is not a professional device for commercial use.
- Do not alter the technical parameters and characteristics of the device by unauthorized modification or modification of any part of the device.
- The manufacturer is not liable for damage caused during transport, incorrect use, damage or destruction of the device due to adverse weather conditions.

1.2 Safety of the operating environment

- Do not use the device in an industrial or outdoor environment!
- Do not expose the device to:
 - sources of excessive heat or open flame,
 - dripping or splashing water,
 - vibration and excessive mechanical stress,
 - insects, animals and flora,
 - rain, fog, high humidity rooms (washrooms, showers, bathrooms, swimming pools and indoor swimming pools),
 - aggressive and chemical substances.

- The operating environment of the device must always comply with the specified basic characteristics.
Operating environment characteristics:
 1. Ambient temperature: $+5 \div +40$ ° C
 2. Humidity: $5 \div 85\%$
 3. Altitude: $\leq 2,000$ m
 4. Occurrence of water: occasional condensation of water or occurrence of water vapor
 5. Occurrence of foreign bodies: the amount and type of dust are insignificant
 6. Degree of protection by cover: min. IP20 (the device is protected against contact with dangerous parts by a finger and is not protected against the effects of water)
- This degree of protection by the cover is not marked on the product and in the technical parameters stated in the operating instructions.
- If the degree of protection of the cover on the product is different from the degree of IPX0, this information is then stated on the label of the device, or in the technical parameters of the operating instructions.
- Other characteristics of the operating environment in the household (mechanical stress - shocks and vibrations, occurrence of vegetation, animals, weather conditions ...) are negligible in terms of the effect on the correct and safe use of electrical equipment.

1.3 Electrical safety

- Before connecting the appliance to the mains for the first time, make sure that the mains voltage indicated on the type plate of the appliance corresponds to the mains voltage in your home.
- The electrical appliance is designed to be supplied from the mains 1/N/PE ~ 230 V 50 Hz.
- The electrical safety of the appliance is only guaranteed if it is connected correctly to the mains.
- Electrical equipment of protection class I is equipped with protection against electric shock by means of protective earthing of inanimate parts, which can become dangerously alive in the event of equipment failure. Always connect such devices to properly installed power outlets that are equipped with a protective earth and have a properly connected protective earth conductor.
These are all electrical devices equipped with a three-wire power supply.
- Electrical equipment of protection class II is equipped with protection against electric shock by double insulation or reinforced insulation of dangerous live electrical parts. Protection class II equipment must not be equipped with means of connection protective earthing. These are all electrical devices equipped with a two-wire power supply.
- Electrical protection class III devices are devices that are powered by a source of low safe voltage (battery or accumulator) and do not pose any danger to the user in the event of an electric shock.

- To ensure increased safety against the risk of electric shock when using electrical appliances by laymen, it is recommended to install a residual current device (RCD) in the power supply circuit for sockets with a rated current not exceeding 20 A with a rated tripping current not exceeding 30 mA. Consult a qualified electrician to ensure the safety and correctness of the electrical installation.
- Use only the power cord with the plug (mains lead) that came with the device and is compatible with the mains socket. Use of another cable may result in fire or electric shock.
- Always connect the appliance to an easily accessible mains socket. In the event of an operating fault, the appliance must be switched off and disconnected from the mains as soon as possible.
- The power cord and mains plug must always remain easily accessible for safe disconnection of the electrical appliance from the mains.
- Do not unplug the power cord by pulling on the cord. To disconnect, unplug the power cord.
- If you use an extension cord, make sure that the total ampere rating of all devices plugged into the extension cord does not exceed the extension cord's ampere rating.
- If you must use an extension cord or power supply, make sure that the extension cord or power supply is connected to an electrical outlet and not to another extension cord or power supply. The extension cord or power strip must be rated for grounded electrical plugs and plugged into a properly grounded electrical outlet.
- The plug of the appliance's power cord must be compatible with the mains socket. Never use any adapters or modify the outlet in any other way. Do not use unsuitable and damaged sockets!
- To prevent electric shock, plug the device's power cords into properly grounded electrical outlets. If your device has a 3-pin power cord, do not use adapters that do not have a grounding element or remove the grounding element from the plug or adapter.
- Do not bend, squeeze or otherwise expose the appliance's power cord /mains cord to mechanical stress or external heat sources. Damage to the power cord may result in electric shock.
- If the power cord is damaged, disconnect the appliance from the mains and do not continue to use it.
- If the supply cord/plug is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Regularly check and keep the electrical appliance as well as the power cord and mains socket. Unplug the power cord regularly and clean as needed. Contamination by dust or other substances can cause damage to the insulation condition and subsequent fire.

- Do not expose the electrical appliance to water or humid environments. Water entering the appliance increases the risk of electric shock. If the power cord is wet or water has entered the appliance, unplug it immediately. If the appliance is connected to the mains and if possible, switch off the power supply to the circuit breaker before attempting to disconnect the power supply. Be extremely careful when unplugging wet cables from a live power source.
- If the electrical equipment is installed (connected) to remove the protective covers, so after the installation, its electrical parts must not be accessible to users.

1.4 Personal safety

- This appliance is intended for use and operation by persons without electrical qualification - by laymen, according to the instructions provided by the manufacturer.
- The operation of the device includes activities such as switching the device on and off, user manipulation and setting of operating parameters, visual or auditory control of the device and user cleaning and maintenance.
- This appliance may be used by children from the age of 8 and persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the appliance safely and understand the dangers involved.
- Children must not play with the appliance.
- Cleaning and maintenance by users must not be performed by children without supervision.
- Always keep the appliance out of the reach of children during use and operation. Remember that the appliance can also be downloaded with a freely accessible mains cord.
- Always take extra care when operating the appliance! Do not use an electrical appliance if you are excessively tired, under the influence of drugs or drugs that reduce attention and concentration.
- Careless handling can lead to serious injuries.

1.5 Cleaning, maintenance and repairs

- Carry out routine user cleaning and maintenance of the electrical appliance only as recommended. Do not use solvents or harsh cleaning items for cleaning. Dirt and visible stains from finger contact, resp. hands can be cleaned using cleaning detergents specially designed for cleaning household appliances.
- Always disconnect the appliance from the mains when you are not using it, cleaning it or when the appliance has malfunctioned.
- Protect electrical appliances that are cleaned after use and are not intended to be completely or partially immersed in water or any other liquid against the effects of dripping and / or splashing water and against immersion.
- Electrical household appliances, like all other technical equipment, are subject to the effects of the surrounding operating environment and natural wear. Due to the fact that there is no legal framework for regular maintenance used in household appliances, the manufacturer recommends that the user have the appliance inspected and professionally cleaned at least once a year by a special service.
- By doing so, it is possible to maintain safety, operational reliability and increase the service life of the equipment.
- Do not disassemble the electrical appliance! The appliance operates with dangerous voltage. Therefore, always switch off the appliance and disconnect it from the mains during user maintenance. In the event of a fault, have it repaired by an authorized service center.
- Before you call for service:
 1. Switch the appliance off and on to make sure that the fault reappears.
 2. If the appliance malfunctions persist after the above operations, call the nearest special service.
- Never repair the electrical appliance yourself!
- Unauthorized, unqualified and unprofessional intervention in the electrical appliance may result in electric shock or other serious injury.
- Only entrust warranty and post-warranty repairs of the electrical appliance to a qualified technician^(*).

^(*) Qualified specialist: the sales department of the manufacturer or importer or a person who is qualified and authorized to carry out this type of activity with the ability to avoid all hazards.

2. Special safety instructions. Read carefully!

- The electrical equipment is designed and manufactured in such a way as to allow safe operation and use by unqualified persons. Despite all the measures taken by the manufacturer for safe use, operation, there are 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 that the device is operating on hazardous voltage. Do not remove the protective covers on the device.

Failure to observe the safety instructions when using and operating the device may result in:

Danger of electric shock! Danger of serious injury or death!



This symbol alerts users to the risk of failure to observe the safety instructions when using and operating the equipment: Danger of serious injury or death! Risk of equipment damage or other property damage!



This symbol alerts users to the risk of failure to observe the safety instructions when using and operating the equipment: Danger of fire!



This symbol used on the product replaces the sentence: WARNING! Do not cover.

Transport/Transfer

- When transporting and carrying, be careful when moving to prevent the device from tipping over and being damaged.
- Only transport the device after a thorough inspection of the area and the route, which must be unobstructed.
- Do not carry the device until all cable connections have been disconnected. Never carry the device while it is in operation.
- Carry the device by holding the handles with both hands or the lower edge of the base and the fixed parts of the covers.
- 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 of packaging materials, labels and tags. Keep all packaging materials in a safe place or keep them out of the reach of children and vulnerable people.
Risk of serious injury!
Danger of suffocation!

Inspection/Commissioning

Note!

- Use only electro-thermal heating equipment that is in good technical condition and under the conditions specified by the applicable legislative requirements, fire safety regulations and in this manual.
- We recommend performing initial and subsequent regular inspections of the device. Prior to installation and initial commissioning, make sure that the device is complete and shows no visible signs of damage.
- Do not use the appliance if it is incomplete, damaged or any part of it has been damaged during transport or use. In this case, have the device repaired by a specialist garage.
- Never clean the appliance (body with electrical parts and control panel) and the power cord with plug in such a way that liquid could flow into the appliance. Clean these parts only with a damp cloth and wipe dry or allow to dry.
- Only clean the appliance when it is switched off and unplugged.
Risk of serious injury!
There is a risk of electric shock!
There is a risk of fire!

Location/Installation

- The device is intended for use as a portable or with the possibility of mounting on a wall (depending on the model). Equipment fasten to building components - on walls only in accordance with the requirements for technical properties of building components, fire safety measures and installation instructions.
- Use the device only in the working position (upright and with the stand or feet correctly mounted) and on a flat surface where there is no risk of it tipping over.
- Do not place the device near curtains, textiles, furniture.
- The appliance must not be used directly on high pile carpets.

Warning! Read carefully.

- An electric heating appliance or electric heater intended for heating can be installed on a floor made of fire reaction class material A1fl or A2fl. These technical building materials are classified as non-combustible according to the uniform European classification system (where the index fl means "floor"). From selected materials we present e.g. stone paving, ceramic paving, concrete, etc.

- The appliance may only be installed on a floor made of reaction-to-fire class materials Bfl, Cfl, Dfl, Efl or Ffl using an insulating pad. From selected materials we present e.g. floorboards, OSB boards, beech parquets, PVC, laminate floating floor, linoleum, polyamide carpets, etc. The insulating pad must be made of a material of reaction to fire class A1 or A2 with a thickness of at least 1 mm, in normal operation resistant to the mechanical effects of the load. The insulation pad must protrude at least 150 mm on each side of the appliance.
- An electric heating appliance or electric infrared heater intended for heating may only be located and installed in the vicinity of building structures and materials of reaction to fire class B, C, D, E or F using a protective screen. The protective screen must be made of materials of reaction to fire class A1 or A2 with a thickness of at least 3 mm. The protective screen must be at a distance of at least 30 mm from building structures, protected objects or material.
The protective screen must extend beyond the outline of the appliance by at least 300 mm above its upper edge and at least 150 mm from the side edges.
- If a protective screen is placed between the appliance and building structures or protected objects, the specified safety distance can be reduced by a maximum of half.
- Only place the electric heating appliance intended for heating without the use of a protective screen at a safe distance from building structures made of materials of reaction to fire class B, C, D, E or F and flammable objects and flammable substances. Keep a safe distance of at least 200 mm in all directions.
- Only place the electric infrared heater for heating without the use of a protective screen at a safe distance from building structures made of materials of reaction to fire class B, C, D, E or F and flammable objects and flammable substances. Keep a safe distance of at least 800 mm in the direction of the heat radiation, at least 400 mm from the top edge and at least 200 mm in the other directions.
From selected materials we present e.g. untreated wood, etc.
- Do not place or install an electric heating appliance or electric infrared radiator in a bathroom, washroom and shower area unless the safety requirements for electrical equipment and electrical installations in these areas are met.
- If the bathroom in the living space is sufficiently structurally spacious and meets the requirements for zoning, the location and use of electrical equipment is only possible with regard to the safety requirements set for these spaces.
- The electric heating appliance or electric infrared heater can only be placed in the bathroom outside the 0-1-2 zone.
- The appliance must be installed in such a way that the switches and other controls are not within human reach of the bath or shower.
- Consult a qualified electrician for more detailed information on the requirements for the installation and use of electrical equipment in washrooms.

- The device must be installed in accordance with the national and local safety regulations applicable to the connection of electrical equipment with protective earthing. To provide additional protection against the risk of electric shock, it is recommended to install a residual current device (RCD) in the electrical supply circuit of the device with a rated tripping current not exceeding 30 mA.
- If you have any questions regarding electrical installation, consult a qualified electrician.
- Do not place or use the device in places where there is a risk of it tipping over.
- Do not place the device:
 - on unstable floors or mats,
 - on unstable tables or pieces of furniture,
 - on uneven and dirty surfaces,
 - near containers with water or other liquids.
- Only place the device on level, firm and stable surfaces - on floors and floor coverings that have a stable and solid structure (eg ceramic tiles, wooden floors, etc.). Do not place the device on floors that have an unstable structure, such as carpets or other decorative floor coverings with long fibers.
- Do not place or use the device on “soft” surfaces, such as bed mattresses, seats of upholstered sofas and armchairs, etc.
- Always make sure that the place where you want to place the device has sufficient space and stability.
Danger of equipment damage or other property damage!
- Do not place or use the appliance in the immediate vicinity of a bath, shower or swimming pool.

Warning!

The device must not be placed directly under an electrical outlet.

Operation/Supervision

Warning!

- The appliance may only be operated if it is in good technical condition and under the conditions laid down by the generally binding regulations on technical conditions and fire safety requirements during installation and these operating and use instructions.
- The device is intended for use in smaller living and working areas.
- The device must not be used in areas where there is a risk of fire or explosion, in the presence of solid or liquid flammable substances and their vapors, mist or dust and in atmospheric conditions where, after ignition, the flue gases are easily spread through the air unless all technical conditions and requirements for fire safety during its installation and operation.
- To prevent a hazardous situation, do not expose the device to rain or other sources of moisture, water or other liquids.
There is a risk of fire!
There is a risk of electric shock!

Warning! To prevent overheating, do not cover the heater.

- Do not partially cover the device. Do not place any objects on the device. Do not insert or allow foreign objects to enter the openings of the device covers.
- Do not cover the air vents.
- Air ventilation ensures safe and reliable operation of the device.
- Leave sufficient free space around the device to ensure the required air circulation and safe operation.
There is a risk of electric shock! There is a risk of fire!
- Do not use the appliance to dry textiles, clothing, footwear or any other objects!
There is a risk of fire!

Warning!

- Be extremely careful when operating the appliance.
- Some surfaces of the device become very hot during operation. Do not touch the heated surfaces of the device. Use only handles and grips to handle the device.
- Parts of the appliance that become hot during operation remain hot for some time even after the appliance has been switched off and disconnected from the mains. Danger of burns from hot surfaces!
Danger of very serious injuries!
- Always keep the device under supervision during use and operation!
- This appliance is not intended for operation via an external programmer, automatic timer and remote control, as there is a risk of fire if the appliance is covered or incorrectly positioned.
- Do not leave the appliance unattended during operation, especially if there are children, incompetent persons or animals in its vicinity.
- Use only its own controls and, if applicable, the supplied remote control to operate the device.
- Do not place any objects on the device, do not allow foreign bodies to enter the openings. Do not use the device near freely moving textiles - curtains, draperies, etc. Make sure that no dirt from the environment, such as clumps of dust, fibers, etc.
- Take extra care during the use and operation of the device to avoid contact with rotating parts with your fingers, hair, loose decorative chains or loose clothing.
- Do not place any containers of water or other liquids on the device to prevent spillage and ingress of the liquid into the interior of the device.
- To avoid a dangerous situation, do not touch the device with wet or damp hands.

- Do not use the appliance near bathtubs, showers, washbasins or other vessels containing water, including swimming pools. Do not remove the device if it falls into the water. Unplug the power cord from the power outlet first, then remove the device from water. In such cases, take the device to a specialist garage to check that it is safe and working properly.

There is a risk of electric shock!

There is a risk of equipment damage or other property damage!

Warning!

- Do not allow children to handle the device. The device can tip over and cause serious injury. Mechanical damage (cracking or breaking of parts and covers) of the device can cause serious injuries.

Risk of serious injury!

There is a risk of equipment damage or other property damage!

- Before each connection of the device to the mains, make sure that the main switch (control knob) is in the “0” “OFF” position.
- Do not turn the machine on or off by plugging or unplugging the power cord.
- In normal use, always connect the appliance to the mains first and then switch on with the main switch.
- After use, turn off the machine with the main power switch, and then unplug the power cord.
- Pokiaľ na zariadení nefunguje hlavný vypínač, zariadenie nepoužívajte.
- Do not use the device if the main power switch does not work on the device.
- The device is under dangerous voltage when the mains supply is connected.

There is a risk of electric shock!

- The electrical outlet and power cord must remain easily accessible for safe disconnection of the device from the mains.
- Take extra care not to damage the power cord running loose on the floor.
- Never leave the device unattended and freely accessible with a loose power cord. Children, incompetent persons or animals could pull or knock the device behind the power cord.
- Unplug the power cord from the electrical outlet when not in use. Store the device with the power cord attached to the solid parts of its covers.

Risk of serious injury!

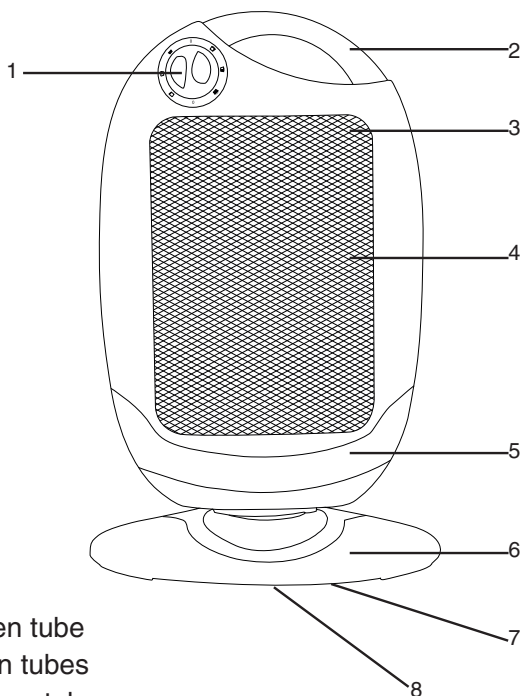
- Never overload the device beyond the limits set by the technical parameters!
- Observe the operating mode of the device in accordance with the operating and operating instructions.

- If you notice any abnormalities (sounds, odors, smoke ...) while using the appliance, switch off the appliance immediately and disconnect it from the mains. Have the device checked by a qualified workshop.
- Never attempt to repair, disassemble or otherwise modify the device yourself, as this may result in electric shock or fire.
- Before performing user maintenance and cleaning of the machine, always turn off the machine with the main power switch and unplug the power cord from the electrical outlet.
- Always make sure that the appliance is switched off and unplugged.
- Never disassemble this safety part/component (mechanical, electrical) if it is part of the device! Do not use the device if the safety part/component is damaged or non-functional!
- Children under the age of 3 must be prevented from accessing the appliance unless they are constantly supervised.
- Children from the age of 3 and under the age of 8 must not plug, regulate or clean or maintain the appliance by the user.

WARNING!

- Some parts of this product may become very hot and may cause burns. Pay special attention if vulnerable people or children are present.
- Never underestimate the possible dangers and take extra care !!!

Description of parts



1 Rotary knob

-  switching on one halogen tube
-  switching on two halogen tubes
-  switching on three halogen tubes
-  switching on one halogen tube with oscillation - rotation by 70°
-  switching on two halogen tubes with oscillation - rotation by 70°
-  switching on three halogen tubes with oscillation - rotation by 70°
- **0** shutdown of the device

Front part

- 2** handle top cover
- 3** protective metal grille
- 4** halogen tubes (3 pcs)
- 5** device body
- 6** base

Lower part

- 7** screws (2 pcs.) With plastic holder
- 8** safety fuse for heater overturning

Operation/Preparation

Do not connect the appliance to the mains before preparation and all switches must be in position 0.

Make sure that the package contains all the parts needed to assemble the halogen heater.

If this is not the case, contact your dealer.

Package contents:

halogen heater (1 pc)

base (1 pc)

operating instructions (1 pc)

fixing screws (2 pc)

To prevent electric shock, always disconnect the power supply before handling the device.

Placement requirements

Place the halogen heater on a flat and stable surface that guarantees sufficient free space for the ventilation holes to function properly.

There must be a distance of at least 1 m between the device and the surrounding objects.

Assembly

- 1 Unscrew the screws with the plastic bracket from the bottom of the main cover.
- 2 Thread the power cord through the hole in the center of the stand first, and then assemble the main cover of the stand.
- 3 Secure the main cover to the base with two previously unscrewed thumbscrews. Thread the power cord through the designated grooves and push it all the way in.

Operation

No oscillation

- 1 Set the remote control to the off position (0) and connect the appliance to the mains.
- 2 Turn the knob (1) to the position  to switch on the device and the first (middle) halogen heating tube with a power of 400 W will also switch on automatically.
- 3 If you turn the knob to the position , the upper tube also switches on and you reach a total power of 800 W.
- 4 Turning the knob to the bottom  tube will also turn on the bottom tube and the unit will operate at overall maximum power 1 200 W.
You can freely choose with the controller whether you want the middle, upper part of the halogen heater to heat together with the middle tube, or all at once.

With oscillation

This power-adjustable halogen heater is also equipped with an oscillation function (side-to-side rotation).

- 1 Turn the knob (1) to the position  to switch on the device and the first (middle) halogen heating tube with a power of 400 W with oscillation - rotation by 70 ° will also switch on automatically.
- 2 If you turn the knob to the position , the upper tube also switches on and you reach a total power of 800 W with oscillation - rotation of 70 °.
- 3 Turning the knob to the bottom  tube will also turn on the bottom tube and the device will operate at a total maximum power of 1,200 W with oscillation - rotation of 70 °.

You can freely select the buttons depending on whether you want the middle, upper part of the halogen heater to heat together with the middle tube, or all at once.

Rollover safety device

The device is equipped with a safety fuse, which switches it off in case of tilting or overturning.

If it overheats, turn off the halogen heater, unplug it, and allow it to cool for at least 10 minutes.

You can then plug in the device and turn it on again.

Notes

- Do not set the power unnecessarily too high to avoid straining the power supply.
- Observe the safety instructions in the introduction to this manual during operation.
- The appliance is not intended for heating large living spaces.

After operation

- 1 After operation, turn off all switches to position 0 and unplug the unit.
- 2 Store the device properly.

Cleaning and maintenance

- Before each cleaning, unplug the appliance and let it cool down.
- Use only a slightly damp cloth to clean the surface of the device itself.
- Do not use any solvents or harsh cleaners.
- If dirt is visible in the appliance, you can vacuum it through the ventilation grilles. Do not disassemble the device!

Technical specifications

Power supply:	220 - 240V~ 50 - 60 Hz
Power consumption:	1 200 W (400/800/1 200)
Number of tubes:	3 (min. service life 3 000 hours)
Dimensions (W x H x D):	33 x 51 x 24.5 cm (with stand)
Suitable for spaces: approx.	20 m ³
Weight:	1,32 kg

We reserve the right to make changes!

Producer:

ORAVA retail 1, a.s.
Seberínho 2
821 03 Bratislava
Slovenská republika

Importer:

ORAVA retail 1, a.s.
Seberínho 2
821 03 Bratislava
Slovenská republika

ORAVA distribution CZ, s.r.o.
Ostravská 494
739 25 Sviadnov
Česká republika

INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING

Dispose of used packaging material at a municipal waste disposal site.

DISPOSAL OF USED ELECTRICAL AND ELECTRONIC EQUIPMENT

This symbol on the products or in the accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper disposal, recovery and recycling, please return these products to designated collection points. Alternatively, in some countries of the European Union or other European countries, you may return your products to your local retailer when purchasing an equivalent new product. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment natural resources and help prevent potential negative effects on environment and human health, which could be the consequences of improper disposal waste. Contact your local authority or nearest office for more details collection point. Improper disposal of this type of waste may result in penalties in accordance with national regulations.

For business entities in the countries of the European Union

If you wish to discard electrical and electronic equipment, please request the necessary information from your seller or supplier.

Disposal in other countries outside the European Union

This symbol is valid in the European Union. If you wish to discard this product, please request obtain the necessary information on the correct method of disposal from the local authorities or from the your supplier.



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