

PELLET STOVE





EN Installation, use and maintenance

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The original language of this manual is Italian

The undersigned EDILKAMIN S.p.A., with registered office in Via Vincenzo Monti 47 - 20123 Milan (Italy) - Tax ID Code and VAT number 00192220192

Hereby declares, under its sole responsibility, that: The pellet stove mentioned below complies with EU Regulation 305/2011 and the harmonised EU standard EN 14785:2006

PELLET STOVE, bearing the brand EDILKAMIN, model KLIK

SERIAL NO.: Rating plate reference

Performance declaration: (DoP - EK n° 171):

Rating plate reference
Moreover, the company hereby declares that:
the EVIA wood pellet stove satisfies the requirements of the
following European directives:
2014/35/EC - Low Voltage Directive
2014/30/EC - Electromagnetic Compatibility Directive

Identification of the product and warranty.

The product is uniquely identified by a number, the "counterfoil", which is indicated on the warranty certificate.

Please keep:

- the warranty certificate accompanying the product
- the purchase receipt given to you by the retailer
- the declaration of conformity given to you by the installer.

The warranty conditions are given in the warranty certificate accompanying the product.

First ignition (commissioning), in Italy, by an authorised technician is required by UNI 10683, and is recommended in all countries to ensure best results from the product.

This consists of:

- checking the installation documents (declaration of conformity) and the quality of the installation itself;
- calibrating the product to suit its actual application
- providing explanations to the end user and issuing the complementary documentation (first ignition commissioning certificate).

will operate to best effect and in complete safety.

Commissioning is required for activation of the Edilkamin manufacturer warranty. The warranty is only valid in the country where the product was bought.

If the appliance is not commissioned by an authorised

Having the appliance commissioned properly ensures that it

technician, Edilkamin will not provide warranty service. See the warranty booklet for details. The above terms do not affect the dealer's legal responsibility for the legal warranty.

The warranty, however, covers only demonstrable manufacturing defects and not, for instance, problems resulting from improper installation or calibration.

This manual is an integral part of the product. We ask you to keep it for the entire lifetime of the product. If you lose it, you can request a copy from your dealer or download it from

We thank you for and congratulate you on choosing our

product. Before using it, we ask you to read this manual

carefully, in order for you to be able to make the most of all

Readers of this manual

This manual is addressed to:

www.edilkamin.com.

its functions in total safety.

Dear Sir/Madam

- those who will use the product at home ("USER");
- the technician who will install the product ("INSTALLER")
 The target person of each page is indicated in a band at the bottom of the page (USER or INSTALLER).

General information

After unpacking the product, check the condition and completeness of the contents.

In the event of error, immediately contact the retailer where the purchase was made, providing them with a copy of the warranty booklet and the sales receipt.

The appliance must be installed and operated in compliance with local and national law and European regulations. For the installation, and for anything not specifically indicated in the manual, observe local regulations.

The diagrams provided in this manual are for illustration purposes only: they do not always strictly refer to your specific model, and are not binding in any way.

MEANING OF SYMBOLS

In some parts of the manual the following symbols are used:



ATTENTION:

carefully read and understand the message in question, since failure to follow the instructions in it could cause serious damage to the product and put the safety of those using it at risk.



INFORMATION:

failure to comply with these requirements will compromise product use.



OPERATING SEQUENCE:

follow the instructions for the operations described.

- The product is not designed for use by people, including children, with limited physical, sensory and mental abilities.
- The appliance is not designed for cooking purposes.
- The appliance is designed to burn UNI EN ISO 17225-2 category A1 wood pellets, in the amounts and manner described in this manual.
- The appliance is designed for indoor use and in areas with normal humidity conditions.
- Keep the product in a dry place out of the weather.
- For the legal and company warranties, refer to the warranty certificate inside the product: specifically, neither Edilkamin nor the retailer are liable for damage resulting from incorrect installation or maintenance.

Safety risks may be caused by:

- installation in non-suitable settings, in particular those that are subject to fire risks. DO NOT INSTALL THE PRODUCT IN AREAS SUBJECT TO THE RISK OF FIRE.
- Contact with fire and hot parts (e.g. glass panel and pipes). DO NOT TOUCH HOT PARTS and, when the stove is switched off and still hot, always wear the glove supplied.
- contact with live electrical equipment (internal).
 DO NOT ACCESS THE INTERNAL ELECTRICAL EQUIPMENT WHILE THE APPLIANCE IS POWERED ON. Electrocution hazard.
- Use of improper ignition aids (e.g. alcohol). DO NOT IGNITE OR BOOST THE FLAME WITH FLUID SPRAYS OR A FLAME TORCH. Serious risk of burns, damage and injury.
- Use of fuel other than wood pellets. DO NOT BURN WASTEMATTER, PLASTIC ORMATERIALS OTHER THAN WOOD PELLETS IN THE COMBUSTION CHAMBER. The product may become soiled, the flue may catch fire, and environmental damage may ensue.
- Cleaning the combustion chamber when hot. DO NOT CLEAN THE COMBUSTION CHAMBER WITH A VACUUM CLEANER WHILE IT IS HOT. You could damage the vacuum-cleaner and risk the emission of smoke in the room.
- Cleaning the fumes duct with cleaning products. DO NOT CLEAN THE PRODUCT WITH FLAMMABLE PRODUCTS. Risk of fire or blowback.
- cleaning the glass pane while hot or with unsuitable cleaning products. DO NOT CLEAN HOT GLASS WITH WATER. ONLY USE RECOMMENDED GLASS CLEANING PRODUCTS. Risk of cracking and permanent, irreparable damage to the glass.

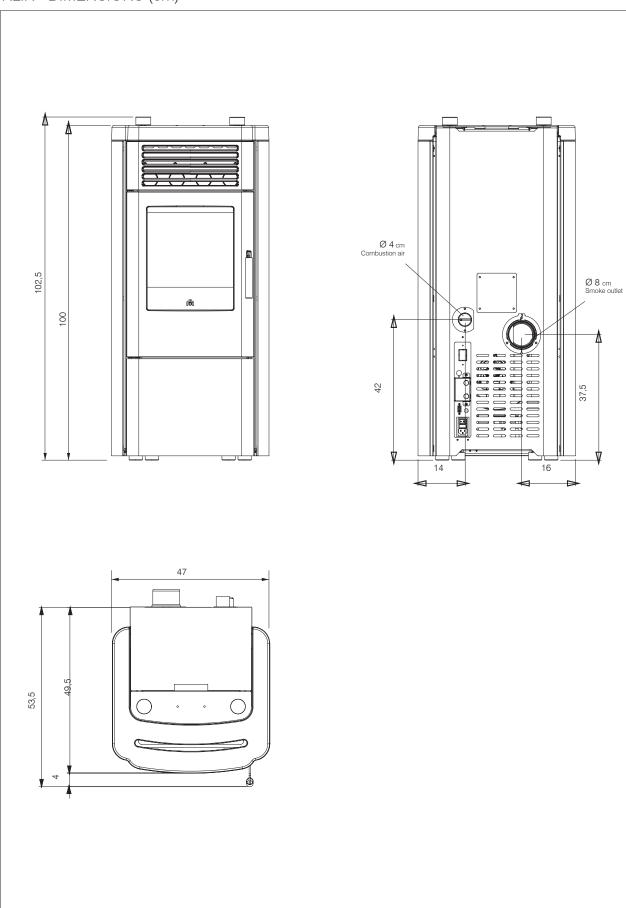
- The storage of flammable materials at a distance which is less than the safe distances listed in this manual. DO NOT PLACE LAUNDRY ON THE APPLIANCE. DO NOT PLACE DRYING RACKS WITHIN THE SAFETY CLEARANCE. Keep flammable fluids away from the appliance. Fire hazard.
- Blocking the aeration vents and air intakes in the room. DO NOT BLOCK THE AERATION VENTS OR FLUE. Risk of smoke returning into the room with consequent damage and injury.
- Use of the product as a support or ladder. DO NOT CLIMB ONTO THE PRODUCT OR USE IT AS A SUPPORT. Risk of damage and injury.
- Use of the stove with the combustion chamber door open. DO NOT USE THE PRODUCT WITH ITS DOOR OPEN.
- Incandescent material projected from the open door. DO NOT throw incandescent material outside the appliance. Fire hazard.
- Use of water in case of fire. CALL THE AUTHORITIES if a fire breaks out.

If you have doubts, please do not take any action, but contact the dealer or the installer.

For reasons of safety, read the user instructions included in this manual.

Connect the product to electricity supply only after having completed its assembly and mounted the cladding. Otherwise there is a risk of having "live" electrical parts exposed.

KLIK - DIMENSIONS (cm)



TECHNICAL CHARACTERISTICS in accordance with 14785			
	KI	KLIK	
	Nominal power	Reduced power	
Available power	8,3	3,5	kW
Yield	90,0	91,1	%
CO emissions at 13% O ₂	0,004	0,021	%
Fumes temperature	166	122	°C
Fuel consumption*	1,9	0,8	kg/h
Tank capacity	-	17	
Draw	12	10	Pa
Autonomy	9	21	ore
Heatable volume *	215		m³
Fume duct diameter (top as standard, female)	3	80	
Air intake duct diameter (male)	4	40	
Weight including packaging	1	40	kg

^{*}A calorific value of 4.8 kW/Kg has been used to calculate consumption

^{**} The heatable volume is calculated based on the assumption of a heating demand of 33 Kcal/m³ hour.

TECHNICAL DATA FOR SIZING THE FLUE which must in any case satisfy the requirements in this sheet and the installation instructions for the product			
	Nominal power		
	KLIK		
Fumes temperature at smoke outlet	210	°C	
Minimum draw	0,01	Pa	
Fumes flow rate	4,6	g/s	

ELECTRICAL SPECIFICATIONS			
Power supply	230 Vac +/- 10% 50 Hz		
Mean power absorbed	50 - 80 W		
Power absorbed in stand by	15 W		
Power absorption during ignition	300 W		
Protection rating	Fuse 4 AT, 250 Vac 5x20		

The above data is for guidance only and was measured during certification by a notified body. EDILKAMIN s.p.a. reserves the right to modify the product without notification in the interests of improvement.

PREPARATION AND UNPACKING

The packaging materials are neither toxic nor noxious and do not require special disposal.

The user is responsible for storing, disposing of and recycling them in a regulatory fashion.



Package materials such as plastic and films my be dangerous for children. Suffocation hazard.

Keep packages away from children.



Always move the stove vertically with suitable equipment and in compliance with safety regulations.

Do not turn the package over, and handle all parts requiring installation with care.

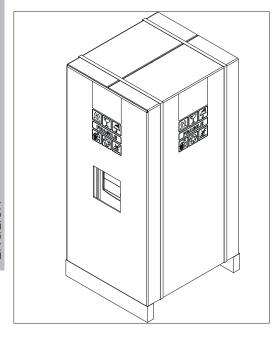
UNPACKING

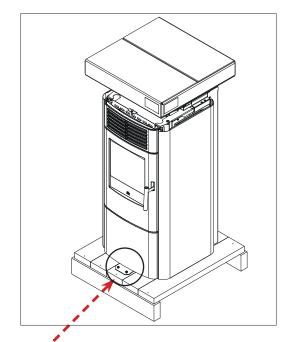
The delivery consists of two packages:

- one (1) containing the structure of the stove with the side panels already fitted;
- one (2) with the top

The package with the stove contains:

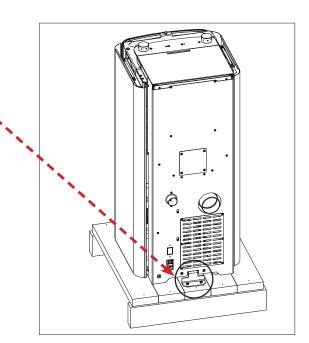
- · warranty certificate,
- glove,
- this manual,
- small parts for the top (2 rubber grommets, 3 screws and three caps for the screws)
- · power cable.





TO REMOVE THE STOVE FROM THE PALLET

Unscrew the screws to remove the front and rear brackets

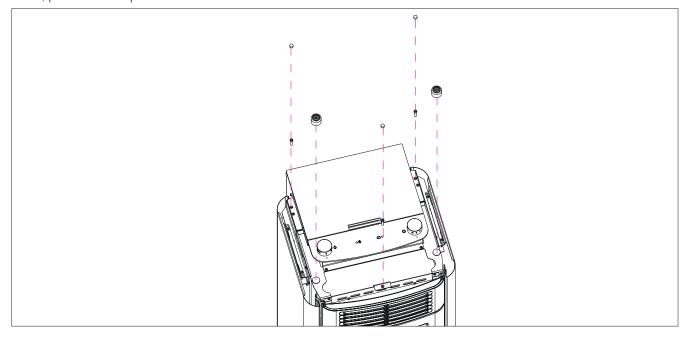


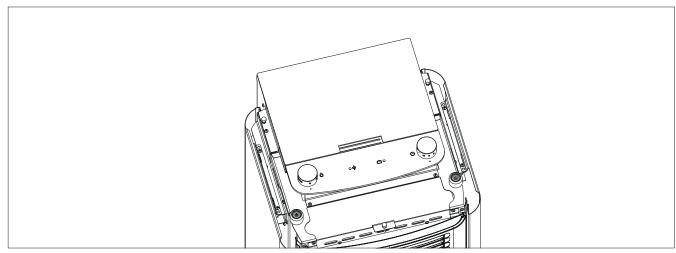
POSITIONING THE TOP

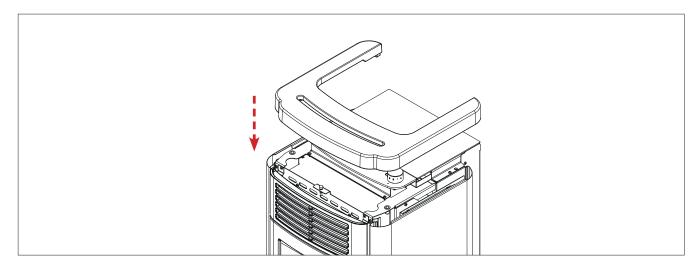
The only component that is not fitted is the top.

Screw on the rubber grommets, the screws and the rubber caps.

Then, position the top.







REMARKS ON INSTALLATION

Note that:

- installation must be carried out by authorised technical personnel;
- the appliance must be installed and operated in compliance with local and national law and European regulations. The applicable Italian regulation is UNI 10683;
- if installed in a condominium, the appliance must be approved by the administrator.

Here are a few general instructions, although these do not obviate the need to comply with local regulations and do not affect the installer's liability for the installation.

Checking the suitability of the installation space

- The room must have a volume of at least 25 m³
- The floor must be able to bear the weight of the product and its accessories.
- Level the appliance
 - The appliance may not be installed in a bedroom, bathroom or in the same room as other equipment which draws air for combustion from the room itself, or in any area with an explosive atmosphere. Any extraction fans operating in the same room or area as the product, may affect its draught.
- In Italy, check the compatibility pursuant to UNI 10683 and UNI 7129 in the presence of gas fired products.

Protection from heat and safety clearances

The surfaces of the building adjacent to the product must be protected against overheating.

The insulation to be used will depend on the type of surface in question.

The appliance must be installed in accordance with the following safety instructions:

- minimum clearance at the sides and back of 10 cm from flammable materials.
- no flammable materials may be kept closer to the front of the appliance than 80 cm.

If connected to a wooden or otherwise flammable wall, the flue must be appropriately insulated.

If installed on a flammable or combustible floor, or which is not capable of bearing its load, use steel or glass plates under the stove to distribute the load. Contact the retailer for this type of optional.

Positioning the product

The product is designed to operate in all climate conditions. In special circumstances, such as strong wind, the safety devices may intervene to switch the appliance off.

Contact the authorised Edilkamin Technical Assistance Centre.

FLUE SYSTEM

(Fumes duct, flue and chimney pot)

This chapter has been drawn up pursuant to European regulations EN 13384, EN 1443, EN 1856 and EN 1457. The installer must observe both these and any other local regulations. This manual does not in any way substitute such regulations.

The product must be connected to a flue system which ensures that the fumes produced by combustion are expelled in complete safety.

Before positioning the appliance, the installer must check that the flue is suitable.

FUMES DUCT, FLUE

The fumes duct (which connects the combustion chamber smoke outlet with the flue) and the flue itself must, among other regulatory requirements:

- receive the fumes from a single product (the outlets of multiple appliances may not be conveyed into a single flue);
- be routed vertically for the most part;
- have no downwards sloping sections;
- preferably have a circular internal cross section, or with a ratio of the sides of less than 1.5
- terminate at roof level with a proper chimney pot: the flue may not discharge directly on the wall or into an enclosed space, even if the space in question is open to the sky;
- be made of material rated fire reaction class A1 per UNI EN 13501 or analogous national regulations;
- be certified, with a chimney plate if metal;
- be of uniform cross section or vary in cross section only immediately after the outlet, not at some midpoint of its length.

THE FUMES DUCT

Further to the general prescriptions for the fumes duct and flue, the fumes duct:

- may not be made of flexible metal material;
- must be insulated, if routed through unheated areas or outdoors;
- must not be routed through rooms where the installation of combustion heat generators is prohibited or there is risk of fire, or that cannot be inspected;
- must enable the recovery of soot and be open for inspection;
- must have a maximum of 3 bends with a maximum angle of 90°;
- if there is a horizontal section, it can have a maximum length of no more than 3 metres, depending on the draw. Note, in any case, that long sections encourage the accumulation of dirt and are harder to keep clean.

THE FLUE:

Further to the general prescriptions for the fumes duct and flue, the flue:

- · must only be used for discharging fumes
- must be correctly sized to satisfy the requirements for fume discharging (EN 13384-1)
- should preferably be insulated, in steel with a circular internal section. If rectangular, the corners must have a radius of not less than 20 mm, with a ratio of the internal dimensions of <1,5
- must normally be at least 1,5 metres in vertical length
- must have a constant cross section
- must be waterproof and thermally insulated to ensure a good draw
- must preferably have a collection chamber for non-combusted matter and condensation.
- if pre-existing, must be clean, to prevent the fire hazard.
- in general, we recommend fitting a tube inside the existing masonry chimney if its diameter is greater than 150 mm.

INTUBATED SYSTEM:

Further to the general prescriptions for the fumes duct and flue, the intubated system:

- must operate in negative pressure;
- must be open to inspection
- must observe local regulations.

THE CHIMNEY POT

- must be anti-downdraught
- must have an internal cross section equivalent to that of the flue and a fumes outlet at least double that of the interior of the flue
- for dual flues (which should be spaced at least 2 m apart) the chimney pot receiving the fumes from the solid fuel appliance or that from the higher storey, must be at least 50 cm higher than the other
- it must extend beyond the back flow zone (in Italy, refer to UNI 10683 point 6.5.8.)
- it must allow for maintenance of the chimney.

EXTERNAL AIR INTAKE

In general, we suggest two ways to ensure a proper flow of combustion air.

Indirect air intake

Install an air outlet at floor level with an effective surface area (net of the screen or other protections) of at least 80 cm² (10 cm in diameter).

To prevent draughts, we recommend installing the intake behind the stove or behind a radiator.

Installing it in front of the appliance will create unpleasant draughts.

Direct air intake**

Install an air intake with an effective size (net of the mesh or other protective equipment) that is at least equal to that of the air intake at the back of the product. Connect the air intake to the appliance's air intake with a pipe that may also be flexible.

Increase the diameter of the pipe if the pipe is not smooth: assess any load loss.

We recommend that it does not exceed 1 metre in length or include any bends.

The air maybe drawn from an adjacent room only if:

- the flow is taken from permanent and unobstructed openings communicating with the outdoors;
- the air pressure in the adjacent room is never lower than that of the outdoor pressure;
- the adjacent room is not a garage, subject to fire hazard, a bathroom or a bedroom;
- the adjacent room is not a shared room in the condominium.

In Italy, UNI 10683 provides that ventilation is sufficient even if a pressure difference between the outdoors and indoors of no more than 4 PA is guaranteed (UNI EN 13384-1). The installer who issues the declaration of conformity is responsible for ensuring these conditions.

It is therefore necessary to additionally ensure an air intake from within the room where the product is installed (i.e. for cleaning the glass)

^{**} Direct connection to the air intake will not make the product airtight.

CHECKING THE ELECTRICAL CONNECTIONS (the power socket must be located in an easily accessible position)

The stove is equipped with an electrical power cord or connection to a 230V 50 Hz socket, preferably with an electromagnetic switch.

Variations in voltage of more than 10% can compromise the operation of the stove.

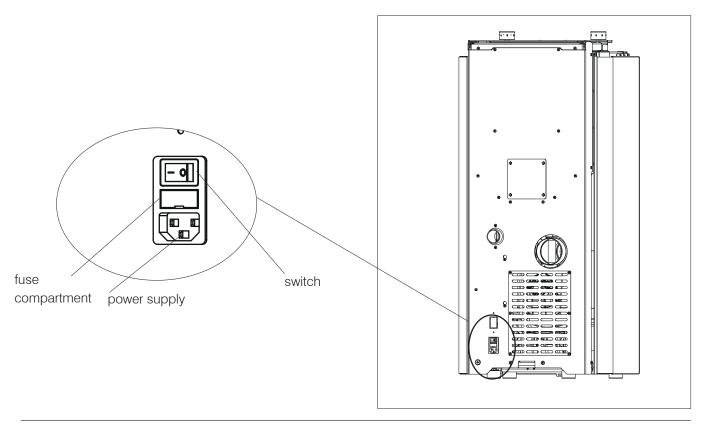
The electrical system must be compliant; check the operation of the earth in particular.

Edilkamin is not responsible for malfunctions resulting from an improperly earthed system.

The power line must be of adequate section for the power of the appliance.

The power cable must not come into contact with the flue or other hot parts of the stove.

Power up the stove by setting its switch from 0 to 1. There is a 4 A fuse on the socket with switch located at the rear of the stove.



FIRST IGNITION (COMMISSIONING) PHASES

- Make sure you have read and understood this
- manual
- Remove all flammable materials from the appliance
- (manuals, labels, etc.). In particular remove any
- labels from the glass
- · Make sure the technician has carried out first
- ignition for the product
- The first ignition (with pellet tank loaded for the first time) might fail. In this case, wait for the stove to switch off completely and empty the burning pot. Then turn the left-hand (power) knob to position 0 for 5 seconds. Once the signal LEDs have gone out, repeat the ignition.



On first ignition, there may be a slight smell of paint, which will disappear in a short time.



When the stove is hot, DO NOT REST the bag of pellets on the upper grille. Use the glove provided when loading the stove while it operates and is therefore hot to the touch.

Take care not to touch the fume exhaust pipe when hot.

FUEL

Use Class A1 wood pellets conforming to the UNI EN ISO 17225-2 standard or similar local regulations envisaging, for example, products with the following characteristics:

diameter 6 mm

length 3-4 cm

humidity <10%

For reasons of safety and environmental compatibility, DO NOT burn, among other, plastic, painted wood, coal or bark.

Do not use the stove as an incinerator.

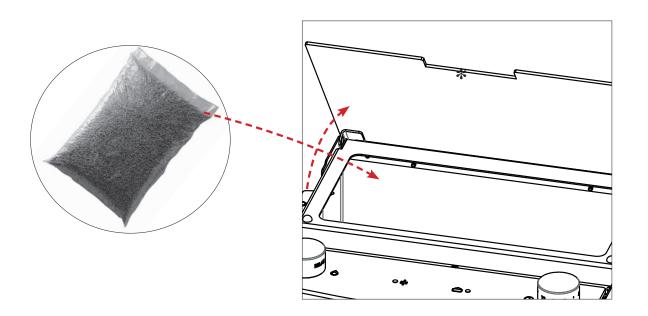


Caution

Using fuels other than those specified can damage the appliance.

LOADING THE PELLETS INTO THE TANK

To access the tank, open the lid*.



OPERATION

Description. The access to and adjustment of these functions is described below:

Mode	Size settings
MANUAL (POWER)	 power level (from 1 to 3) with consequent level of automatic ventilation
DELAY	time after which the stove comes on.

The stove also has the following supplementary functions.

Function	What it does
RELAX	enables natural convection mode (fan
	off), thus reducing the power
TURBO	this activates the stove to maximum
	power and maximum ventilation.

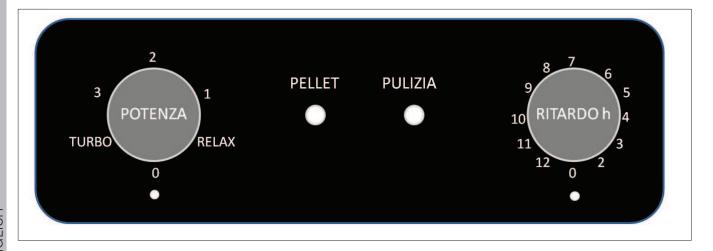
OPTIONAL CONNECTIONS

The technician can supply, on request: external thermostat, telephone dialler, wi-fi for connection to the logic board.

INTERFACE.

On the top of the stove you will find the following components:

- left-hand knob: this allows you to regulate the power, set the RELAX and TURBO functions, and switch the stove off (position 0);
- right-hand knob: this allows you to set a delayed ignition (from 2 to 12 hours after).
- LED signalling PELLETS RUNNING OUT (after about half-an-hour the appliance will go out)
- LED signalling CLEAN (the appliance switches off and, when the appliance is off and cold, you need to perform ordinary maintenance;
- if there is a problem, contact your service technician)



REMOTE CONTROL - OPTIONAL

The service technician can install a remote control on the appliance.

THE REMOTE CONTROL WILL ONLY GIVE COMMANDS WHEN THE POWER KNOB IS TURNED TO POSITION 0.

WHEN IN THE OTHER POSITIONS, IT WILL ONLY DISPLAY THE STATUS OF THE APPLIANCE.

To move the control functions from the knob to the remote control, you need to move towards switching the appliance off.



Disconnect the product from the power supply.

Failure to service the product properly will prevent it from working properly.

Any problems due to failure in servicing the stove will void the warranty.

DAILY MAINTENANCE

(To be performed always when the LED that signals that the burning pot needs to be cleaned comes on)

These operations must be done with the product off, cold and preferably disconnected from the mains.

A suitable vacuum cleaner is required.

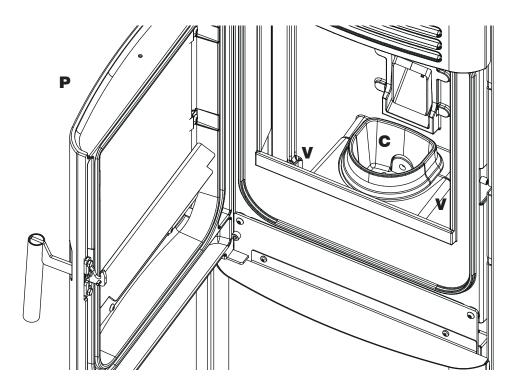
The entire procedure takes just a few minutes.

- 1. Open the combustion chamber door (P).
- 2. Vacuum clean the compartments inside the combustion chamber.
- 3. Clean and remove the burning pot.

- Do not dump the cleaning residue into the pellet tank
- Once it is refitted, make sure that the ash tray is properly placed in its housing, to avoid glass breakage when closing.
- Make sure that the grate is properly placed in its housing after maintenance operations, if not, the stove may have ignition problems.



Using the stove without cleaning the grate can cause the gas in the combustion chamber to ignite and detonate.



SEASONAL MAINTENANCE (to be carried out by the technical assistance centre)

This consists of cleaning the stove inside and out.

If the product is used intensively, we recommend cleaning the fumes duct and flue every 3 months.

You should clean the chimney system at least once a year (check local regulations for details).

If you fail to regularly clean and inspect the system, there is an increased risk of the chimney pot catching fire.

We recommend against using compressed air to clean the combustion air inlet.

SUMMER SHUTDOWN

During the period of disuse, keep the stoves doors, hatches and lids closed.

We recommend emptying out the pellet tank.

SPARE PARTS

For any spare parts, contact your dealer or technician. Using non-original spare parts may damage the appliance and relieves Edilkamin of all liability for damage resulting such use.

Do not make unauthorised modifications.

DISPOSAL

At the end of its service life, dispose of the product as required by regulations.



In accordance with art. 26 of Legislative Decree no. 49 of 14th March 2014, "Implementation of Directive 2012/19/UE on the disposal of electrical and electronic devices (RAEE)".

The crossed-out dustbin symbol displayed on equipment or its packaging indicates that the product at the end of its life must be collected separately from other waste.

At the end of its useful life, the user should therefore deliver the product to a suitable local sorted collection centre for electrical and electronic devices.

Sorted collection for recycling, treatment and environmentally compatible scrapping contributes to the prevention of negative effects on the environment and health, and promotes the re-use and recycling of the materials of which the equipment is made.

If problems occur, the product shuts itself off automatically.

Do not disconnect from the power supply.

If the appliance has switched off with the knob in position 1, 2, 3, RELAX or TURBO.

To re-start the appliance, allow the switch off procedure to be completed, then move the knob to position 0 for at least five seconds, after which the signalling LEDs should go out.

At this point, it is possible to proceed with the normal use of the stove.

If the product signals a fault with the knob in position 0 (while switching off).

To re-start the appliance, allow the switch off procedure to be completed, then move the knob to a position other than 0 for at least five seconds, after which the signalling LEDs should go out.

At this point, it is possible to proceed with the normal use of the stove.

If it blocks again, contact the service technician.

Before starting the product up again, check the reason for the shutdown and CLEAN the burning pot.

The product is equipped with a safety valve but, if the burning pot is not cleaned regularly as explained above, ignition may involve a small detonation. If white smoke forms in the combustion chamber for a long time, disconnect the mains supply and wait 30 minutes before opening the door and emptying out the burning pot.

SHUTDOWN MESSAGES AND THEIR SOLUTIONS:

CLEAN LED ON: the appliance needs cleaning

PELLET LED ON: the appliance needs loading with pellets

BOTH LEDs ON: different kind of alarm and so you need to call the service technician. The number of flashes on the LED indicates the type of alarm according to the list below.

MESSAGE	PROBLEM	SOLUTION
CLEAN LED ON	Displays when the combustion air intake is below the set level	Check that the combustion chamber door is closed Check that the stove, exhaust and combustion air ducts are clean.
2	Displays when the logic board is not detecting the right fumes fan speed	Contact the technician
5	Shut-down due to failure of the air flow reading sensor	Contact the technician
6	Triggers when the logic board determines that the fumes thermocouple is broken or disconnected	Contact the technician
7	Shut-down due to exceeding maximum fumes temperature.	 Check the type of pellet (contact the technician if indoubt) Contact the technician
8	Switching OFF due to excessive overheating of the product.	• see 7
9	Shut-down due to gearmotor failure.	Contact the technician
10	Switching OFF due to circuit board overheating.	Contact the technician
11	Switching OFF due to the intervention of the safety pressure switch.	Ensure the stove and flue are cleanContact the technician
12	Room temperature probe failure. The product is operating in manual mode.	Contact the technician





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