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USER MANUAL OF ENERGY APPLIANCE


**ECO 65 PRISMA
ECO 80 PRISMA**


CE



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1. INTRODUCTION

The energy fireplaces **ECO 65 PRISMA & ECO 80 PRISMA** are a group of fireplaces that includes two different sizes of identical fireplaces. They are constructed in accordance with the Regulation 305/2011 of the European Union, "on the establishment of harmonized conditions for the marketing of construction products" and the EN 13229 Standard and bears the  mark.

The energy fireplaces have been tested by an accredited laboratory of the European Union (number of accredited laboratory (NB) 1999) as to the requirements of EN 13229, EN 13229/A1, EN 13229/A2 while through the Quality Management System according to ISO 9001, certified by a notified body is documented that the manufacturing process ensures the compliance of the manufactured products, allowing the affixing of the  mark.

The energy fireplaces ECO 65 PRISMA & ECO 80 PRISMA bear the  marking in a conspicuous place as required by applicable law that allows free movement within the Member States of the European Union, only of the products in this category that have been tested - certified and bear the  mark.

This manual was written for your safety and the safety of others. You ought to read, to understand and obey what is specified in it, along with any specific national and European regulations, to consult for any action on the use of the product and keep it with care, bearing in mind that you may need to consult it in the future.

Before installing the fireplace, the installer should be aware about the requirements - guidelines - restrictions of this manual.

Before each operation of the outbreak, the operator must be aware about the requirements - guidelines - restrictions of this manual.

Only with full knowledge of this manual can avoid mistakes and ensure the smooth operation of the product.

Please read carefully this manual before using the product.

The manufacturer does not assume responsibility for operation of the energy outbreak of ECO 65 PRISMA & ECO 80 PRISMA beyond its intended use and for cases where the conditions - requirements specified in this Technical Manual are not met.

2. GENERAL INFORMATION

2.1 Description – appropriate use

The Technical Manual refers to the group of natural flow hobs that includes hobs with the brand name:

✘ ECO 65 PRISMA

✘ ECO 80 PRISMA

The device has an inlet air control lever (primary air), the operation of which is described in §8.1.

At the same time, in the back of the flame chamber as well as in the frame of the flame door, there are holes for the flow of the secondary and tertiary combustion air respectively.

The ceramic glass of the door is durable up to 750oC allowing visual contact with the combustion chamber without the need to open the door.

The device is used exclusively for heating the interior of buildings (except bedrooms) that meet the provisions of G.O.K. and other relevant provisions.

The **ECO 65 PRISMA & ECO 80 PRISMA** natural flow hobs are characterized as intermittent devices.

The energy fireplace consists of the following main parts:

- Combustion chamber made of steel.
- Door with ceramic glass.
- Front banister made of steel. Sliding door with sliding guides and counterweight
- Fixed flue gas deflector inside the flame chamber
- Inlet air flow control lever (primary combustion air).
- Secondary combustion air device, mounted on the back of the flame chamber.
- Tertiary combustion air device, mounted in the frame of the flame door.
- Adjustment lever of aperture (flue damper) of flue gas outlet.
- Ash pan.

Also, the appliance can work with pipelines for:

- The entry of primary combustion air from the outside environment and
- The exhaust of the flue gases from the combustion chamber to the outside environment.

This device is not suitable for use by persons (including children) with reduced physical, sensory or mental abilities or by inexperienced persons, unless under the supervision and guidance of a person responsible for their safety. Children should be controlled so that they do not use the device as a toy



Figure 1

CAUTION! No modification of the creation is required.

CAUTION! Inform the children who need the application colorful devices used and demand to avoid during with the required applications.

CAUTION! The device should always do this on the operator screen. Without application the use of supervision mood.

2.2 Technical characteristics

TECHNICAL CHARACTERISTICS FIREPLACES			
Dimension		ECO 65 PRISMA	ECO 80 PRISMA
Dimensions of the appliance(mm)	Nominal width	800	970
	Nominal depth	670	700
	Nominal height	1.870	1.870
Dimensions of the combustion chamber(mm)	Width (active) min/max	415 / 645	455 / 755
	Depth (active)	545	630
	Height (active) / (max)	420 / 650	490 / 640
Nominal heat output (KW)		13,6	14,4
Efficiency (%)		68,2	68,3
Flue gas temperature (0C)		220,0	230,0
Flue gas CO content (with content of 13% O2) (%)		0,5200 (<1%)	0,3600 (<1%)
Recommended fuels		Wooden logs	Wooden logs
Fuel consumption per hour(kg/h)		4,15~4,20	4,40~4,45
Chimney diameter (mm)		245	245
Weight (Kg)		165	214

Table 1

3. INSTALLATION

3.1 General

The responsibility of the manufacturer is limited to the supply of the appliance.

The installation of the energy appliance should be in accordance with applicable national laws and regulations. The installation must conform to the rules of art, be made by taking into account the guidelines and restrictions of this Technical Manual and conducted by qualified personnel that carry the required licenses.

The company that undertakes the installation of the energy appliance is responsible for the delivery of such a position so as to be ready for use. This includes the parameterization and final examinations and tests to verify the safe operation of all assemblies (fireplace).

It should be always ensured the implementation of the national and local legislation (e.g. General Building Regulation, ELOT Standard HD 384, Fire Protection Regulations, etc.).

General steps to be done before installation and operation of the appliance:

- 1) Make sure that the floor where you will install the appliance, it can withstand the load intended to be received (self weight of the appliance, weight of decorative coating, weight of the fuel) and also that it has fireproof properties. Otherwise you should take appropriate measures e.g. enhance the strength regarding the mechanical loads that can be accepted, insulate with fireproof material about radiant heat etc.,
- 2) Make sure there is adequate ventilation of the area where you will install the appliance and the combustion air enters directly from the external environment (e.g. with a suitable nozzle of inlet air),
- 3) Avoid the installation of the appliance in a place where they operate central ventilation ducts, hoods, gas appliances Type B, heat pumps or general appliances that can cause depression when operated simultaneously with the appliance,
- 4) Make sure for the suitability of the pipelines connecting the appliance to the flue and of the chimney as well as that the chimney will be used exclusively for the connection of your appliance,
- 5) Keep minimum clearance of 10cm at least between the sides (side & back) of the appliance and the side surfaces (e.g., walls, partitions, etc.) when these surfaces are made of flammable materials under the prerequisite interference of 30mm thickness insulator and thermal conductivity of at least 0,04W/mK or better. For shorter distances of 10cm, the side surfaces should be coated with a suitable non-combustible material,
- 6) Ensure that the competent person who installed the device has checked the safe connection to the chimney and adequate flow of combustion air.

Put the device into test mode for two to three days. Only if it is determined that it works properly, that it has become a safe connection to the chimney and there are no emissions in space, trims can be placed.

3.2 Installation of vents of hot air extraction

At the installation site of the appliance, oxygen must be provided to start and maintain the combustion of the logs, directly from the external environment and not indirectly from the place where the appliance is installed. This is achieved by installing a suitable air inlet.

The opening of the mouth that communicates with the external environment must be lined with a suitable louver that on the one hand allows the supply of air and on the other hand prevents the entry of birds, rodents or other animals.

The air inlet must be positioned so that it is not allowed to be covered and protected by suitable blinds. Where the orifice cannot communicate directly with the outside environment, it may be permitted to communicate with adjacent premises provided that the adjacent premises are not used as garages, kitchens, toilets, engine rooms and boiler rooms.

3.3 Installation of flue gas exhaust

The flue pipe that will be used to connect the appliance to the chimney should be appropriate for this use (to meet the technical requirements of the Directive 89/106/ EEC or the Regulation 305/2011 and relevant national provisions) and bear the required **CE** certification.

The flue pipe must not be steeper than 45 degrees (relative to the vertical axis) and must be connected to the chimney, with a fully sealed manner. The flue pipe is connected to the top of the appliance to the central outlet of circular cross section. At the connection should be used suitable fireproof material and should be ensured the necessary tightness. The flue pipe must be insulated properly and should not come in contact with flammable materials.

ATTENTION: In case the chimney is not connected with complete sealing, then the appliance may not function properly and can also be observed release of hazardous gas emissions from combustion of wood logs (e.g. CO, CO₂).

3.4 Installation of air exhaust vents for natural flow

The area around the device, inside the decorative lining of the fireplace, must be constantly and adequately ventilated. Ventilation helps not to overheat the appliance. An expansion blind should be placed on the ceiling of the decorative lining of the fireplace. The cold air that will enter from the lower louver, will be heated inside the lining and will leave from the upper louver of expansion, creating a hot air flow circuit that will diffuse inside the house with natural flow.

3.5 Installation of decoration of the fireplace

The construction material of the decorative coverings must be suitable for high temperatures that are expected to develop inside the decoration. This material should exhibit refractory properties.

It is **FORBIDDEN** the decorative lining of the fireplace to be based on the appliance. Support should be ensured by independent metallic frame, so that the weight of the decorative liner cannot be transferred to the appliance.

4. CHIMNEY

4.1 Requirements for the construction and draft

Before you place the appliance, make sure that the chimney satisfies the following:

- The construction ensures resistance to high temperature combustion products and any condensates.
- It is vertical and does not show reduction of internal cross at any point.
- It is insulated and watertight.
- If there is a change in direction, that does not exceed 45 degrees.
- The construction must comply with any technical specifications of the European Directives and relevant national legislation (Directive 89/106/EEC, Reg. 305/2011, etc.).

Chimneys that are installed outside of the building must have sufficient insulation throughout their length.

It is FORBIDDEN to connect two or more appliances in one chimney.

It is FORBIDDEN to pass air ducts from the interior of the chimney.

4.2 Flue terminals

The chimney should extend from the highest point of the roof at least 1m. Perimeter of the head and within a radius of 10 meters, no obstacles should be inserted such as e.g. walls, slopes and trees. If this is not possible, then the head must be raised at least one meter above the obstacle.

In case there are side chimneys, the end of one should be at least 50cm higher than the other, in order to avoid the transfer of pressure between them.

5. SAFETY REGULATIONS

The appliance should be handled in accordance with this technical manual. The cooperating with the appliance equipment should be appropriate and bring the required certifications (e.g. **CE**) where is required by applicable laws & regulations.

All maintenance work or repair should be performed only by qualified technicians with the approval of the manufacturer or his representative.

The spare parts which may be used must be approved by the manufacturing company.

It is **FORBIDDEN** to bypass the bumpers (covers) of the moving parts or of the active parts where are developed mechanical and electrical hazards, respectively.

It is **FORBIDDEN** to operate the appliance without the bumpers in the planned position.

All maintenance work or repair should be performed only if the machine has been isolated from the source of power supply and has been cooled to room temperature.

CAUTION! Even low temperature of hot surfaces of the appliance can cause burns in case of prolonged contact.

Individuals, whose responsibilities relate to the maintenance, replacement, repair, etc. of the appliance or part thereof, should use appropriate personal protective equipment e.g. safety shoes and gloves against mechanical and electrical hazards. In any case you should follow the instructions and limitations of the person responsible for the safety of any maintenance or repair crew.

CAUTION! Every electrical work should be performed by a licensed electrician in accordance with applicable law.

6. FIRE HAZARD

6.1 Measures to prevent fire

The following typical measures should be taken into account to avoid fire hazard:

- a) The appliance should not be working with the door of the combustion chamber opened.
- b) In front of the fireplace should not be any object or material that is flammable or heat sensitive within a distance of 100cm
- c) If the appliance is intended to be installed on a floor with no refractory properties, then there should be placed a fireproof material (e.g. steel sheet) between the appliance and the floor, in size that the local regulations define.
- d) For the optimal operation of the appliance and to prevent the risk of ignition of flue gases that are deposited on the walls of the chimney the cleaning of the chimney should be regularly repeated.
- e) The combustion residues (ashes) should be removed regularly. Caution should be exercised in their handling due to high temperature
- f) It is recommended their handling if they have cooled sufficiently. For the temporary storage and to cool them in a safe temperature, the ashes must be collected in a suitable container with refractory properties.
- g) You should not turn on the device if there are emissions of gases or fumes.
- h) You should not place inflammable materials near the appliance.
- i) There should be sufficient number of proper fire extinguishers in positions easily accessible and instantly perceived in order to extinguish a fire on the appliance in a hazardous situation. The

adequacy of the fire extinguishers should be checked regularly by a competent person in accordance with applicable law.

6.2 Instructions for fire fighting

If you notice an expression of fire in the fireplace or chimney IMMEDIATELY perform the following steps:

- I. Close the door of the appliance.
- II. Close the adjuster of combustion air - push him in place A (see Chapter 8 "OPERATING MODE").
- III. Close the flue gas flow regulator - push it in position A (see Chapter 8 "OPERATING MODE").
- IV. Use appropriate fire extinguishers to put out the fire.
- V. Call immediately the Fire Service (phone for Greece: **199**).

AVOID EXTINGUISHING THE FIRE USING WATER.

Throwing water will likely lead to the development of cracks in the metal surfaces of the appliance due to their abrupt change of the temperature. However, if you **don't have any other way to extinguish the fire use water**.

After the successful extinguish of the fire contact to a qualified person to check the appliance and the chimney for possible cracks or points with insufficient sealing.

7. COMBUSTIBLE MATERIAL FOR USE IN THE APPLIANCE

The appliance is designed to burn wood logs. You may use only woods logs of 8% humidity, wood length of about 30cm and a maximum circumference 30cm. Smaller wood can be used for firelighters.

You may burn compressed wood parts without resin such as those are commercially available. Using this type of fuel should only be done with particular attention.

This type of fuel has a high calorific value and can cause overheating with harmful results if you use large quantities.

When using the appliance should be used dry wood with a moisture content of 8% (the green wood's contain about 60% moisture and are highly unsuitable for combustion). Woods intended for burning should be kept in dry and sheltered area.

It is dangerous and it is **FORBIDDEN** to be used as fuel: coal, paper, pieces of bark and panels, green or painted wood and plastic materials. In case damaging the appliance by using non-permitted fuels, the company bears no responsibility. The warranty provided by buying an appliance is canceled in these cases.

You may use paper and cardboard only as firelighters.

Caution! Paper and paperboard bearing prints on their surfaces are dangerous because during the combustion are released dangerous chemical substances contained in the ink.

NOTE! You must take under consideration that it isn't possible the continued space heating of the area from the appliance during the night, as the woods are not long lasting fuel. The woods that are in the combustion chamber after some time are consumed (burned) and so they do not generate heat.

It is **FORBIDDEN** to use the appliance as an incinerator.

8. OPERATING MODE

For the purpose of optimum functioning, the energy appliance ECO 65 PRISMA and ECO 80 PRISMA, are equipped with a lever for adjusting the flow of incoming air to the combustion and a lever for regulating the flow of extracted exhaust gases.

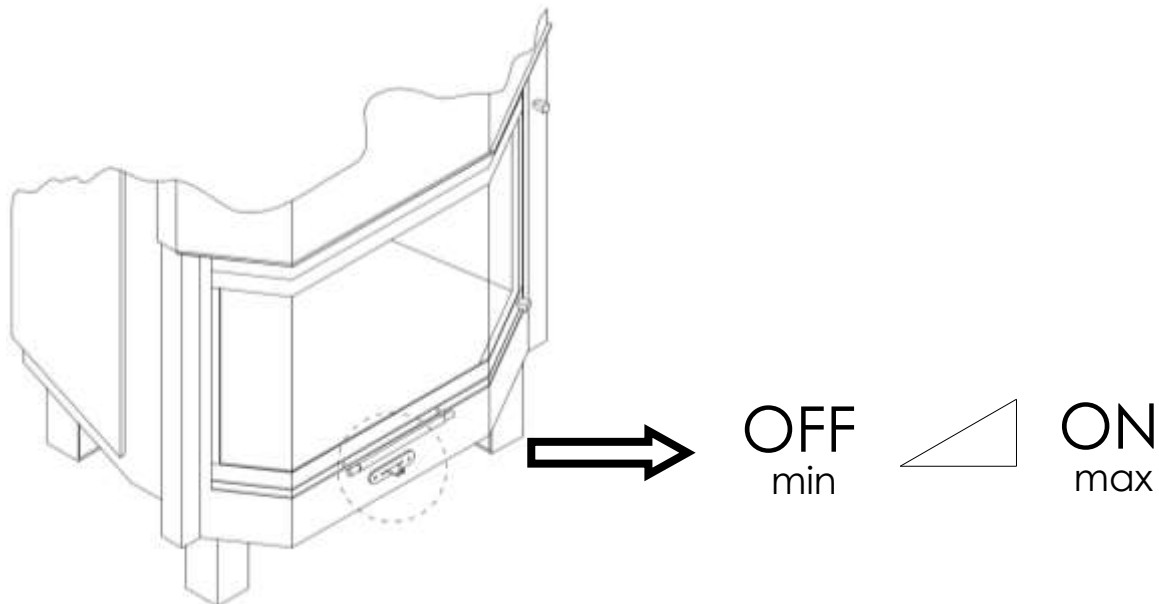
8.1 Set incoming flow of the combustion air

The lever located in the middle, under the fire door achieves flow regulation of intake air. The intake air enters below the combustion chamber and is warming up within the double wall chamber of the base before

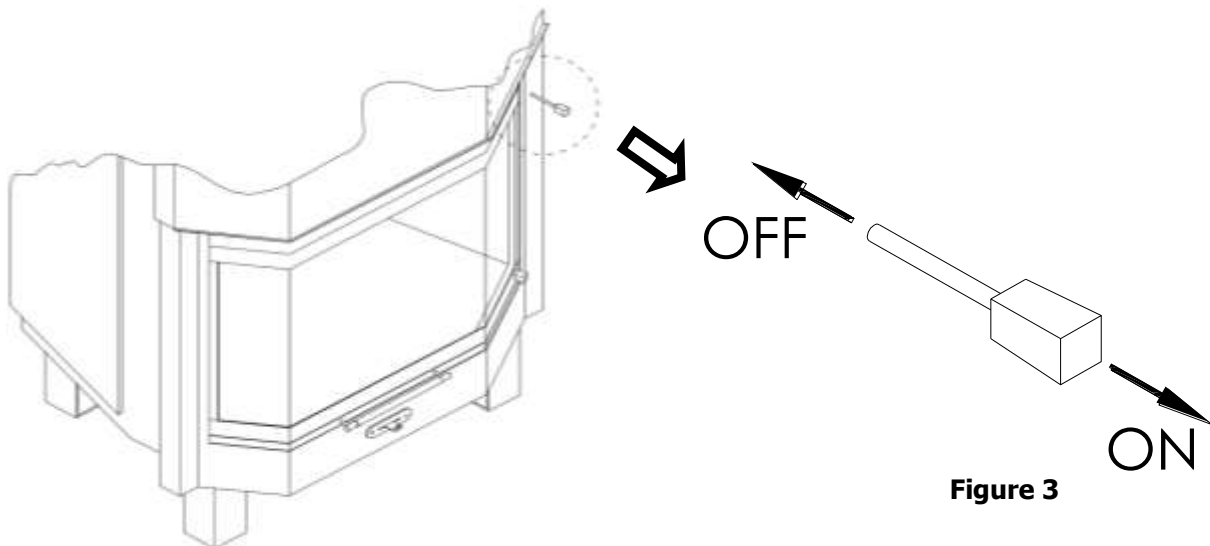
entering the combustion chamber, in front of the ceramic glass of the door and under the fire bed through the bottom grate. It is recommended at the lighting of the appliance, the lever to be placed in the fully open position (ON) to ensure the inflow of large amount of combustion air.

During combustion and according to the needs of space heating, the lever can be moved from the fully open position (ON) to fully closed position (OFF) and / or on the contrary, adjusting (increasing or decreasing, respectively) the amount of the air that enters in the combustion chamber and thus the intensity of the combustion of wood logs.

At the normal operation of the appliance is recommended the lever not to be in the closed position (position A), in order to achieve constant flow of air in front of the ceramic glass of the door preventing that way the contact between the exhaust gases with the crystal and thereby preventing it from soon blackening.

**Figure 2**

8.2 Set exhaust flow

**Figure 3**

The lever regulates the flow of flue gases coming out of the nozzle. During combustion and depending on the space heating needs, the lever can be moved from its fully open position (ON) to its fully closed position (OFF) and / or vice versa, increasing or decreasing the escape rate of the flue gases to the flue and the chimney then.

The setting position of the lever affects the residence time of the hot flue gases inside the hearth for a longer or shorter period of time respectively.

The flue gas flow regulator is constructed in such a way that even when the relevant lever is in its fully closed position (OFF), the flue gas is allowed to escape through the chimney, ensuring in any case that the combustion chamber will not be filled. with smoke.

9. IGNITION OF THE APPLIANCE

At the first uses of the appliance, it is possible to be developed a characteristic odor in the area where the appliance is installed. This is due to the drying of the protective varnish with which is coated the appliance and of the adhesive substance that is used to seal around the door. After a short use of the appliance the odor will disappear.

The area were the device has been installed must be well ventilated. Do not ever light up the appliance when there are flammable gases in the room.

At the first uses of the appliance it should be made use of a limited quantity of fuel (wooden logs) in order to restrain the growth rate of the temperature of the surfaces of the appliance to give the required (capable) timeframe for the appliance to expand smoothly.

The type of the fuel that is used shall be as allowed by this Technical Manual (see Chapter 7). It is **FORBIDDEN** the use of accelerative substances (alcohol, gasoline, diesel, etc.) for the lighting of the appliance.

When fire lighters are lighted up you can put extra wooden logs. At this point you should open the door for two to three seconds to equalize the pressure developed within the appliance with the pressure of the installation area to ensure that there will not be any escape of flue gases within the installation area. After you have placed the wooden logs and you have closed the door, you may regulate the combustion in accordance with the instructions in Chapter 8.

For the proper and without problems operation of the appliance, the user should comply with the following:

1. To ensure adequate ventilation of the area throughout the operating duration of the appliance.
2. To operate the appliance in the first lighting (3 ~ 4 times) with reduced amount of fuel for sufficient time (6 ~ 10 hours) and to regulate the export of exhaust gases to position "B" (fully open) as described in Chapter 8.
3. In the next lightings to be used progressively greater quantities of fuel up to the point that the appliance will operate at maximum load. During this phase it should as far as possible be maintained long periods of lighting up and switching off, so that the appliance will adjust smoothly.

The above steps must be completed before placing the decorative covering of the appliance so that at the same time there is the possibility to check the proper connection of the flue with the appliance and chimney. After having successfully completed the above process, decoration can be placed.

When the materials and the connections on the decoration have dried up, the appliance can be operated as normal, avoiding excessive loads or the use of fuels that can lead to sudden fluctuations the temperature of the surfaces of the appliance.

When the appliance is in use, high temperatures are developed, which can cause burning in humans or animals or cause fire to objects that touch the appliance or are in close distance. It should be kept safe distances for the adjacent objects, to be taken reduction measures of access for the children, pets or other animals and not to attempt contact with hot surfaces until they are cooled sufficiently.

10. FEEDBACK WITH FUEL

To feedback the appliance with recommended fuel follow the steps below:

1. Pull up the door from the handle to open.
2. Feed with the recommended fuel the combustion chamber.
3. Close the door of the combustion chamber and make sure it is locked in the closed position so that no fumes are emitted indoor.

4. Repeat the procedure when the fuel in the combustion chamber has been consumed and for as long as you want to keep the appliance burning.

Note! It is allowed during the feedback to place one or two wood logs.

11. OPERATION UNDER NORMAL CONDITIONS

During normal operation of the appliance, the adjustment lever of the air flow for combustion and the regulating lever of the flow of flue gases can take any position from fully closed to the fully open, depending on the needs of space heating.

CAUTION: The appliance should not operate with large amounts of fuel or with excessive inflow of combustion air, because it may overheat and cause damages.

During the normal operation of the appliance, the smoke that is coming out of the chimney should be transparent. The white color of the exhaust gases indicates that the wood logs, have excessive moisture or that the device is not adjusted right while the gray or black color of the exhaust gases indicates that the combustion is incomplete due to lack of oxygen and the lever must be adjusted to a position that allows greater air input.

It should be taken care for regular disposal of ashes to allow the primary air for the combustion to circulate in the combustion chamber. The procedure for the safe discharge of the combustion chamber and the ash handling is described in paragraph 13.3 (see chapter 13).

It is FORBIDDEN to use the appliance with the combustion chamber door open it creates a risk of fire and emission of dangerous fumes (CO, CO₂) inside the installation area

If during the operation of the appliance notice impairment (e.g. release fumes, overheating the appliance etc.) take the following necessary steps:

- Push the flue gas flow adjustment lever (see Figure 8) in position A.
- Push the lever of incoming air to the combustion (see Figure 7) in position B.
- Ventilate well the area where the appliance is installed.
- Do not feed the appliance with extra fuel.

If necessary, apply fire fighting measures (see Chapter 6).

12. OPERATION IN CONDITIONS OF INCREASED AMBIENT TEMPERATURE

In cases of increased environmental temperature (sudden increases of the temperature) may occur a small degree of draught of the chimney, even if previously the appliance was operating with sufficient draft.

When the draft is not satisfactory, the exhaust gases are not completely removed from the chimney and there is possible to be an odor of gas (soot) in the area were the appliance is installed. In this case, the combustion air that is imported should be increased and the amount of fuel in the combustion chamber should be reduced.

If the effect is maintained under different temperature conditions, then it must be conducted a check on the connections with the chimney to verify their sealing and also to verify that there are no objects blocking the chimney and reduce the draught of exhaust gases.

13. MAINTENANCE INSTRUCTION

The safety rules prescribed in Chapter 5 of this Technical Manual must be applied.

13.1 Chimney cleaning

While cleaning, the appliance and the chimney must have been sufficiently cooled.

The cleaning is necessary in order to remove the soot that accumulates in various parts of the chimney and can cause malfunction of the appliance and / or fire in the chimney.

Cleaning should be performed regularly, at least once a year and / or over shorter time periods depending on the use or if deemed necessary by the user. Cleaning should be entrusted to a qualified person, who must also verify and certify the adequate draft of the chimney.

During the cleaning process of the chimney the ash pan must be in its intended position and the door of the appliance must maintain the closed position to avoid problems from the expected drop of large amounts of soot. After this stage, when the amount of soot has been decreased significantly, keep the door open in order to obtain good draft of the chimney which helps remove the residues of soot.

13.2 Cleaning of the ceramic glass

CAUTION! The ceramic glass must be cleaned after it has been cooled to environment temperature. If you attempt to clean it while is hot it may crack while there is a risk to burn.

The cleaning frequency of the ceramic crystal depends on:

- ☑ the quality of the used fuel and moisture content
- ☑ the selected settings when using the appliance and
- ☑ the frequency of use of the appliance.

For the cleaning of the ceramic glass, follow the steps below:

1. Lower the door in closed position.
2. Use a special hexagonal key (like Allen) to turn the screw located in the middle of the right side of the door frame. To unlock the door, turn the screw counterclockwise $\frac{1}{4}$ of a full rotation.
3. Once you unlock the door, open the door to outside from the lever that is in the right corner of the door (pull toward you). The door opens to the left and the crystal will be fully exposed to your part to help for its cleaning.
4. After you finish cleaning the glass, close and lock the door by turning the screw clockwise (rotate right).
5. Before you lift the door make sure it is securely closed. Do not lift if the door swings, because you may create a crack in the glass

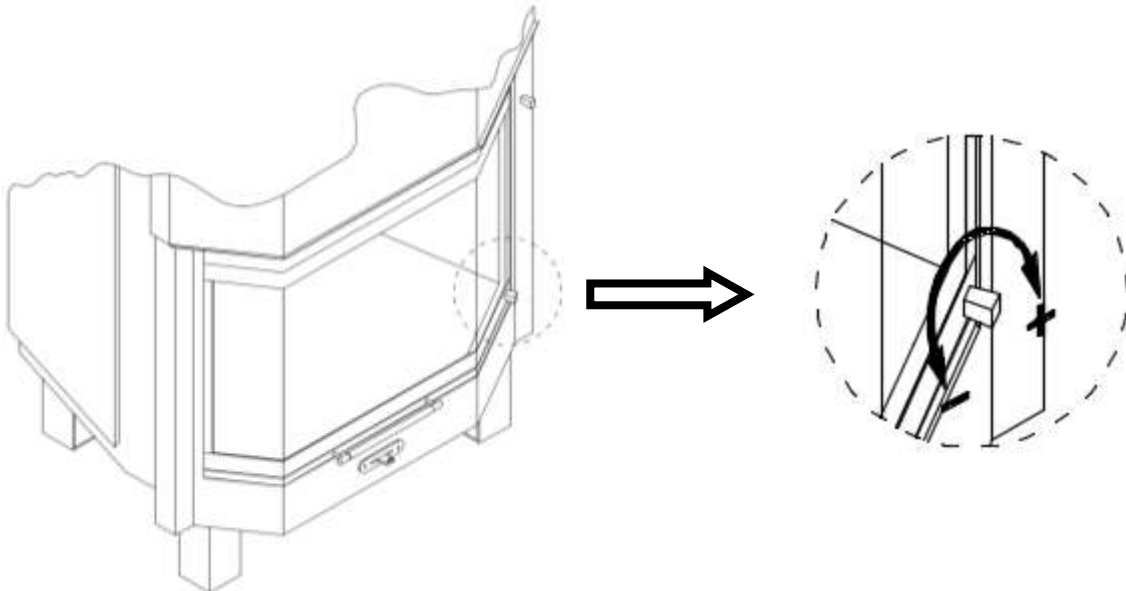


Figure 4

CAUTION! To remove the soot you can use special cleaning products for ceramic glass and absorbent paper (wet sheet of newspaper can be used). If there are developed stains that needs rubbing to eliminate, the use of special ceramic glass scraper is permitted (such as those used in ceramic cookers). The use of special scraper should be done carefully to avoid scratching the ceramic glass.

For cleaning the ceramic glasses do not use fabrics that can scratch the surface. Also do not use products (e.g. chemicals) which are not suitable for ceramic glass as they may blur the glass.

It is FORBIDDEN the operation of the appliance if the door is not locked right. In this case the combustion chamber is not adequately insulated, and the appliance cannot function right and exhaust gases may escape to the installation area.

NOTE! The crystal is made of ceramic materials that withstand temperatures up to 700 °C without creating abnormalities. Cracks can occur during cleaning if you do not comply with the above rules or by mechanical damage due to misuse of the appliance (collisions with objects, operation of the door without being secured right, violent opening or closing of the door etc). The warranty does not cover the replacement of the ceramic glass since it can't be created damage during the proper function of the appliance according to the instructions and limitations of this Technical Manual.

13.3 Cleaning the appliance from the ashes

CAUTION! The temperature which the ashtray develops when the appliance is operating as well as for some time after the termination of its use, it is extremely high.

The ash pan is equipped with a handle that allows handling with bare "hands" only if the appliance ceases to function and all its parts, including the ash pan, have been sufficiently cooled. Otherwise, you should be carefully using the special gloves that came with the appliance.

The ash must be regularly removed from the ash pan. The appliance should not operate when the ash pan is full filled as it impedes the passage of air and causes overheating of the grate.

For cleaning the ashes follow the steps below:

1. Use a small hand vacuum to collect the ashes in an ash pan.
2. Remove the bottom grate at the base of the appliance.
3. Remove the ash pan located beneath the grate.
4. Dispose of the ashes (it is recommended the use of special vacuum for cleaning fireplace ashes). Before disposing of the ashes make sure the ashes have cooled completely and are at room temperature. Otherwise it may cause fire in the container or place intended to be rejected.
5. Replace the empty ash pan to its original position.
6. Replace the grate to its original position.

13.4 Maintenance of the door sliding guides

The vertical movement of the door is done through the metal guides on which slides ensuring quiet operation.

To maintain accurate and silent operation of the door the lubricant must be renewed regularly.

The lubricant must be suitable for the appliance. To lubricate the drivers follow the steps below:

1. Lift up the door to be fully opened.
2. Find the sliding guides and apply the lubricant according to the instructions of the manufacturer.
3. Close and open the door for several times to spread the oil along the guides.
4. If the movement of the door continues to be difficult or there is noise during operation repeat the process.

CAUTION! Do not put too much lubricant to avoid possibility of leakage of the lubricant on the appliance. Prefer more repetitions by spreading a small amount of lubricant.

14. HANDLING DURING THE SUMMER

During summer months where there is no use of the appliance, after the cleaning of the chimney and of the appliance, close the adjusters and the door of the appliance until the next usage period.

15. Declaration of Performance



DECLARATION OF PERFORMANCE

Reg. 305/2011/EC



1	Declaration's Number
2	Unique identification code of the product-type <input type="checkbox"/> ECO 65 PRISMA <input type="checkbox"/> ECO 80 PRISMA
3	Type, batch or serial number or any other element allowing identification of the construction product
4	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification INSET APPLIANCE FIRED BY SOLID FUELS
5	Name, registered trade name or registered trade mark of the manufacturer SONS A. MISAILIDI O.E.
6	Contact address of the manufacturer 7,5 klmTHESSALONIKI-KAVALA T: 23940 20799, 2310 688 988 F: 2310 681 033 www.tzaki.com.gr
7	Name and contact address of the authorized representative ---
8	System of assessment and verification of constancy of performance of the construction product SYSTEM 4
9	Name and identification number of the notified body, carry out determination of the product-type under system 3 and issued test/calculation reports ---
10	Test/Calculation reports number ---

11	Essential characteristics	Performance		Harmonized Technical Specification
		ECO 65 PRISMA	ECO 80 PRISMA	
	Nominal heat output	13,6 kW	14,4 kW	Harmonized Standard EN 13229:2001 & A1:2003 Technical Documentation (Technical folder) T168-02/TΦ2.30
	Efficiency	68,2 %	68,3 %	
	Flue gas temperature	220,0 °C	230,0 °C	
	CO emission (13% O ₂)	0,5200 %	0,3600 %	
	Recommended fuel types	Wood logs	Wood logs	
	Distance to adjacent combustible materials * (to the side) (to the back)	10 cm 10 cm	10 cm 10 cm	

* Application on insulated surfaces according to the Technical Manual

The performance of the product identified in points 2 and 3 is in conformity with the declared performance in point 11.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 5 and 6.

Για την SONS A. MISAILIDI OE

<i>Name and function</i>	Μισαηλίδης Ανέστης General Manager	<i>Signature</i>
<i>T Place</i>	Thessaloniki, Greece	<i>Date</i>

This declaration relates exclusively to the appliance in the market status, and does not apply to components which have been added and / or to subsequent work.

TASIOULIS L. EVANGELLOS
MECHANICAL ENGINEER



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THESSALONIKI

16. Technical Fiche

 XYTHPIA MISAILIDIS	<p>TECHNICAL FICHE Reg. 1186/2015/EE</p>	
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Name and address of the supplier		
<p>SONS A. MISAILIDI OE 7,5 klm THESSALONIKI - KAVALA T: 23940 20799, 2310 688 988 F: 2310 681 033 www.tzaki.com.gr</p>		
	ECO 65 PRISMA	ECO 80 PRISMA
Model Identifier	A	A
Energy Efficiency Class	A	A
Direct Heat Output	13,6 kW	14,4 kW
Indirect Heat Output	---	---
Energy Efficiency Index	90	90
Useful Energy Efficiency Index at Nominal Heat Output	68,2 %	68,3 %
Useful Energy Efficiency at Minimum Load	---	---
Specific Precautions during assembling, installation or maintenance		
<p>Comply with the warnings and instructions concerning installation and routine maintenance provided in the instruction manual</p>		



ΧΥΤΗΡΙΟ: 7,5^ο ΧΛΜ ΘΕΣΣΑΛΟΝΙΚΗΣ – ΚΑΒΑΛΑΣ

ΒΙΟΤΕΧΝΙΑ: ΠΕΡΙΒΟΛΑΚΙ ΛΑΓΚΑΔΑ

Τ. **23940 20799**, 2310 688988

F. 2310 681033

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