



DENIA LAMBDA SOAP LAMBDA SAND Instructions

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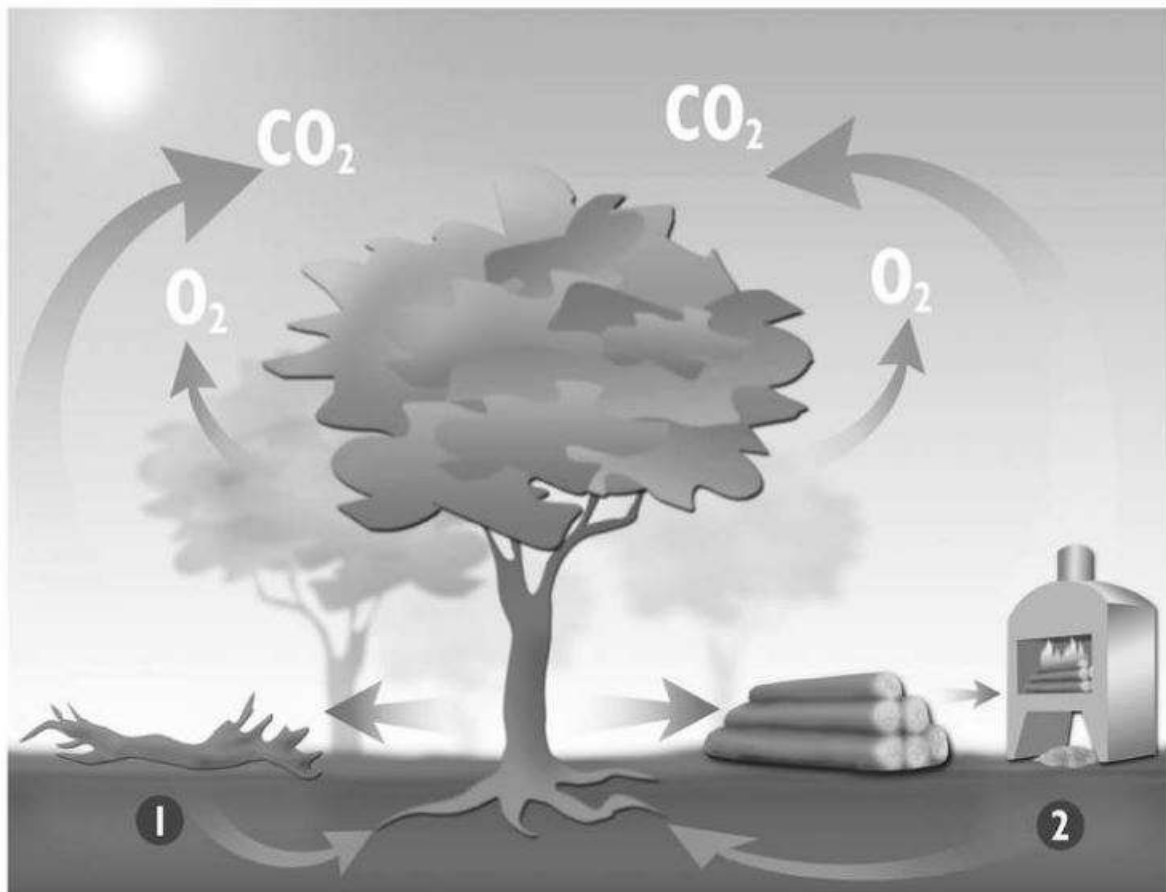
DENIA LAMBDA SOAP LAMBDA SAND Instructions

DENIA[®]
S T O V E S

Mod.

LAMBDA SOAP
LAMBDA SAND





1. Nutrients
2. Ashes –Fertilizer

Wood: an ecological fuel

Wood is a renewable source of energy which answers the energy and environmental demands of the 21st century.

Throughout its long life, a tree grows from sunlight, water, mineral salts and CO₂. Following the general pattern of nature, it soaks up energy from the sun and supplies us with the oxygen essential for animal life.

The quantity of CO₂ given off during the combustion of wood is no greater than that given off by its natural decomposition. This means we have a source of energy that respects the natural cycle of millions of years. Burning wood does not increase the CO₂ in the atmosphere, making it an ecological source of energy which plays no part in the greenhouse effect.

In our wood-burning stoves logs are burnt cleanly without leaving any residue. Wood ash is a high quality fertilizer, rich in mineral salts.

In buying a wood-burning stove, you will help the environment, your heating will be very economical and you will be able to enjoy watching the flames, something no other form of heating can offer.

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USAGE AND MAINTENANCE INSTRUCTIONS

You have purchased a DENIA product. Apart from correct maintenance, our woodstoves require installation strictly in accordance with legislation. Our products conform to the EN 13240:2001 and A2:2004 European norm, however it is very important for you the consumer to know how to correctly use your woodstove following the recommendations we set out. For this reason, before installing our product you must read this manual carefully and follow the usage and maintenance instructions. **POSITION OF THE SMOKE PIPE**

1. Place the first tube in the smoke outlet circle at the top of the stove, and attach the “other” tube onto the end.
2. Join it to the rest of the chimney.
3. If the tubing reaches the exterior of your home, place the “hat” onto the end.

IGNITION

The stove you have just bought offers the best performances, a high efficiency and CO and dust extremely low emissions. In order to get these benefits, the preheated air enters into the combustion chamber through the stove's top. To favour ignition, you should follow the next tips:

– If possible, you should always use small dried pine's pieces piled up. Put under this bunch 1 or 2 firelighter and, above it, the dried firewood cut in half lengthwise. Once the firelighter fired, close the door and open the air inlet to the maximum. When the fire takes a correct intensity, you can regulate the heat at your convenience with the lower air inlet.

INSTALLATION

- You have purchased a woodstove with a vermiculite covered combustling chamber. Do not take the vermiculite pieces off the stove.
- All local regulations, including those referring to National and European standards need to be complied with when installing the appliance.
- The installation of the smoke outlet must be as vertical as possible, avoiding the use of joints, angles and deviations. If the installation is connected to a masonry chimney pipe we recommend the tubes reach the exterior exit. If the smoke outlet is via tubing only, at least three meters of vertical tubing are recommended.
- IMPORTANT: The installation and regular cleaning of this stove must be carried out by a qualified professional. The ventilation opening must never be obstructed.
- IMPORTANT: The woodstove must be installed in a well ventilated place. It is advisable to have at least one window in the same room as the stove which can be opened.
- The tube connections should be sealed with a refractory putty to prevent soot from falling through the joints.
- Do not position the stove near combustible walls. The stove should be installed on a non-combustible floor surface, if not a metal plate covering the bottom surface area of the stove must be placed underneath it and extend further than 15 cm at the sides and 30 cm at the front.
- Whilst the stove is in use remove any material nearby which could be damaged by the heat: furniture, curtains, paper, clothes, etc. The minimum safety distance from adjacent combustible materials is as shown on the last page of this manual.
- The ease of access for the cleaning of the product, smoke outlet and chimney must be considered. If you intend to install your stove near an inflammable wall, we advise you to leave a minimum distance to facilitate cleaning.
- This stove is not suitable for installation in any chimney system shared by other sources.
- The stove should be installed on flooring with adequate support. If your current floor does not comply with this criterion, it should be adapted with appropriate measures (for example, a weight distribution plate).

FUEL

- Use only dry wood with a maximum moisture content of 20%. Wood with a moisture content higher than 50 or 60% does not heat and combusts very badly, and creates a lot of tar, releases excessive amounts of vapour and deposits excess sediments onto the stove, glass and smoke outlet.
- The fire should be lit using special fire lighters, or paper and small pieces of wood. Never try to light the fire using alcohol or similar products.
- Do not burn domestic rubbish, plastic materials or greasy products that can pollute the environment and lead to risks of fire due to obstruction of the pipes.

FUNCTION

- It is normal for smoke to appear during the first few uses of the stove, as certain components of the heat-resistant paint burn whilst the pigment of the actual stove is fixed. Therefore the room should be aired until the smoke disappears.
- The woodstove is not designed to function with the door open under any circumstances.
- The stove is intended to function intermittently with intervals for recharging the fuel.
- For the lighting process of the stove it is recommended you use paper, fire lighters or small sticks of wood. Once the fire starts to burn, add to it two logs of wood each weighing 1.5 to 2 kg as a first initial charge. In this lighting process the air inlets of the stove must be kept completely open. If necessary the drawer for removing ashes can also be opened to begin with. Once the fire is more intense, close the drawer completely (if open) and regulate the intensity of the fire by closing and opening the air inlets.
- In order to achieve the stated nominal heat output of this stove a total quantity of 2 kg of wood (roughly two logs weighing 1 kg each) must be placed inside at intervals of 45 mn. The logs should be positioned horizontally and separate from one another, to assure a correct combustion. In any instance a charge of fuel must not be added to the stove until the previous charge has been burnt, leaving only a basic fire bed which is enough to light the next charge but no stronger.
- To achieve a slow combustion you should regulate the fire with the air draughts, which must be kept permanently unblocked to allow the combustion air to be distributed.
- After the first initial lighting, the brass pieces of the stove may become a coppery colour.
- It is normal for the seal of the glass door panel to melt with use. Even though the stove can function without this seal, it is recommended that you replace it seasonally.
- The lower drawer can be removed in order to clear out ash. Empty it regularly without waiting for it to fill up too much, to avoid the grill becoming damaged. Take care with the ash which may still be hot up to 24 hours after the stove has been used.
- Do not open the door abruptly in order to avoid smoke being released, and never open it without opening the air draught beforehand. Open the door only in order to put in the appropriate fuel.
- The glass, brass pieces and stove in general may reach very high temperatures. Do not expose yourself to risks of burns. When handling metal pieces, use the glove provided with the stove.
- Keep children away from the stove.
- If you have trouble lighting the stove (due to cold weather, etc.) it can be lit with folded or scrunched up paper which is easier to light.
- In case of the stove becoming too hot, close the air draughts to reduce the intensity of the fire.
- In case of malfunction, contact us the manufacturers.
- For optimum performance, on ignition open only the primary air and once the fire gets going (1 or 2 minutes) close off most of the primary air leaving only a very small opening to allow for slow combustion.
- When you place the logs in the oven's firewood rack, ensure they are not in contact with the top

MAINTENANCE

- It is advisable to clean the glass door panel periodically to avoid blackening by soot deposits. Professional cleaning products are available for this. Never use water. Never clean the stove while it is in use.
- It is also important to clean the smoke outlet tubing periodically and check there are no blockages before relighting fuel after a long period of non-use. At the start of each season a professional should carry out a revision of the installation.
- In the event of a fire in the smoke outlet, close all air draughts if possible and contact the authorities immediately.
- Any replacement part which you may need must be recommended by us.

GUARANTEE

This is a high quality stove, manufactured with great care. Even so, if any defect is found please first contact your distributor. If they are unable to solve the problem they will contact us and send us the stove if necessary. Our company will replace any faulty parts free of charge up to five years from the date of purchase. We will not charge for repair work, however any transport costs must be paid by the client.

Since this apparatus has been tested by a homologated laboratory the following parts are NOT covered by warranty:

- Glass -Internal grate
- Stone -Door handle, air-inlet knobs, etc.
- Vermiculite

In the interior of the packaging, you will find a quality control slip. We request that you send this to your distributor in case of any claim.

MEASUREMENTS AND CHARACTERISTICS

- | | |
|---------------------------------|--------------|
| - Height..... | 1.038 mm |
| - Width | 556 mm |
| - Depth..... | 500 mm |
| - Weight..... | 162 Kg |
| - Firewood entrance..... | 300 x 560 mm |
| - Smoke outlet | 150-153 mm |
| - Iron sheet body of 5 mm. | |
| - Cast iron grill | |
| - Paint, resistant up to 800 °C | |
| - Vitro-ceramic glass, 750 °C | |
| - Firewood up to 50 cm long | |

- | | |
|--------------------------------------------------------|--------------------|
| - Nominal heat output | 8.8 kW |
| - Energy efficiency | 81,0 % |
| - CO emission | 0.075 % |
| - Minimum flue draught for
nominal heat output..... | 11,8 Pa |
| - Flue gas mass flow | 7,6 g/s |
| - Flue gas temperature | 302°C |
| - Distance to adjacent
combustible materials | 30 cm |
| - Heating volume (aprox.) | 250 m ³ |



EN 13240: 2001 & A2: 2004 & AC: 2007

DENIA

P.I. CAMPOLLANO
AVENIDA 5ª, 13-15
02007 ALBACETE - SPAIN

"LAMBDA SAND/SOAP" WOODSTOVE.....18

FREESTANDING ROOMHEATER FIRED BY SOLID FUEL
CERTIFICATE Nº 39-11540-3

DECLARATION OF PERFORMANCE 24200/24201

NOTIFIED BODY..... 1015

Thermal output 8.8 kW

Energy efficiency 81,0 %

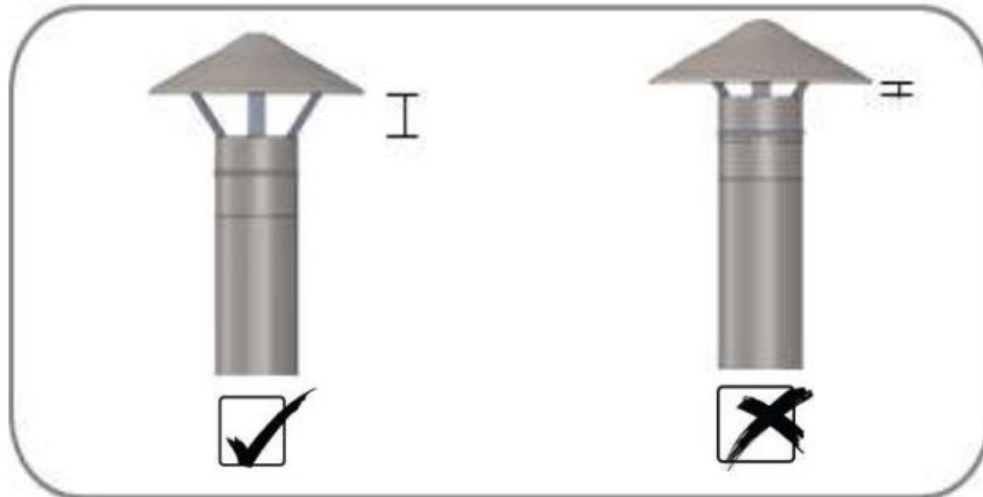
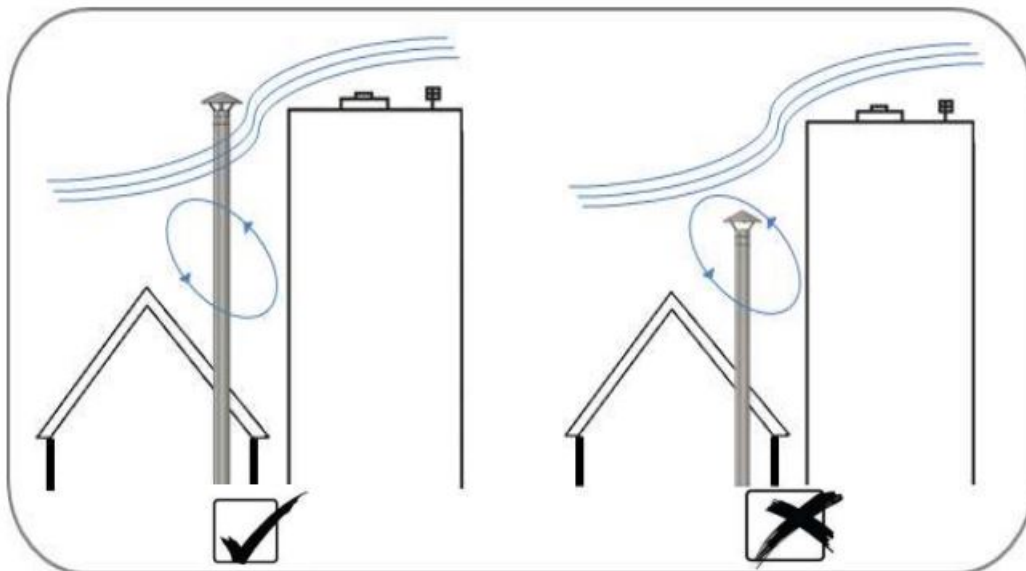
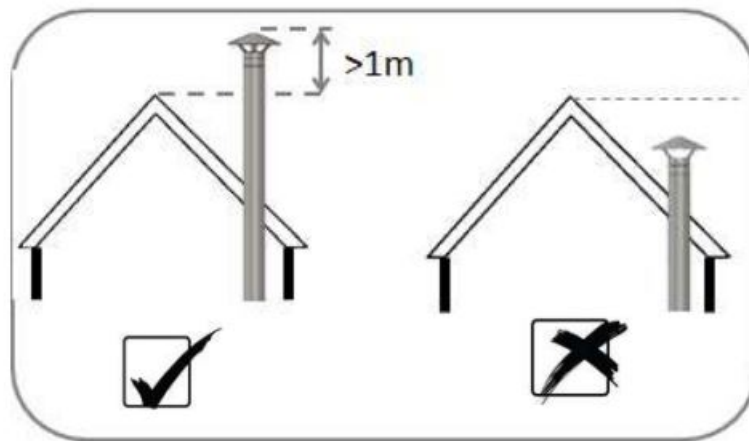
Emission of CO in combustion products.....0.075 %

Flue gas temperature..... 302 °C

Distance to adjacent combustible materials 30 cm

Dust concentration at 13% O₂20 mg/Nm³

Fuel types..... Firewood and briquetted wood





OUTDOOR AIR
INTAKE



PRISE D'AIR
EXTÉRIEUR



TOMA DE AIRE
EXTERIOR



EXTERNE
LUFTZUFUHR

80 mm



Tel.: +34 967 592 400 Fax: +34 967 592 410

www.deniastoves.com

E-mail: denia@deniastoves.com

P. I. Campollano · Avda. 5ª, 13-15 02007 ALBACETE – SPAIN

Documents / Resources



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References

- [Denia Stoves - Wood stoves](#)