

Installation and usage instructions for Lotus ovens:

**2000 series, Allure, Jubilee series, Mira 3-4,
Mondo 30-3G, Liva series, Living, Orbis series
Prestige series, Prio series, Style 370**

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Introduction

Dear Lotus customer. Congratulations on your new stove. We are pleased that you have chosen a quality product from Lotus and we hope you and your family will have many happy moments with your new stove.

Lotus has a long tradition and has been developing and manufacturing stoves since 1979. We place the highest demands on our products and our stoves are characterised by the latest combustion technology, high quality materials and manufacturing and an attractive design. The stoves are the result of good traditions combined with innovative thinking and have for years delighted their owners with faithful service.

We hope and believe it will give you many warm moments. But before you can really enjoy your investment and to ensure that you enjoy your stove for many years to come, you should read this guide carefully. It contains important instructions and many useful tips. You'll also find some concrete advice on how to get the most out of your stove - both now and in the years to come. That's why it's always good to keep.

The stove is designed for 'intermittent combustion'. This means that each firing is burned down to embers before firing again, which is achieved by following the instructions under 'Using the stove'.

1 Installing your stove

Before your new stove is ready to spread warmth and cosiness, you should read these pages carefully. Here we go through the requirements for assembly and installation. We also refer to the special assembly and installation instructions for the stove, which provides detailed instructions on how to assemble the entire stove in its individual parts.

Lotus recommends that the stove is installed by an authorised Lotus dealer or by an installer recommended by an authorised Lotus dealer.

Also note that the stove should always be positioned so that the convection air grilles cannot be blocked or clogged. It is recommended to inspect and clean these regularly.

The stove must be connected in accordance with applicable national and European standards and local regulations. To ensure this, you should contact your chimney sweep before installation. The chimney sweep or local authorities will also be able to inform you of the applicable local regulations and give you the necessary authorisation to use your stove once it is properly installed. Remember - the stove must not be used before the installation has been notified, registered and authorised by the local authority/ chimney sweep. Outside the EU, different rules apply in some cases.

Building regulations and fire regulations must be complied with. Lotus stoves are approved according to EN13240 (but EN16510 for Jubilee 25 and 35). For thermally insulated combustible walls, the installation standard DIN 18896 must be observed. If necessary, ask your chimney sweep for advice in advance.

In addition, please note that all applicable local regulations, including those referring to national and European standards, must be observed when installing the stove.

You must also be warned against any unauthorized modification of the stove.

1.1 Connection

Once the stove is installed and ready for connection, it must be connected to the house's existing chimney using a connector. The connector should be as short as possible. For a rear outlet - straight horizontal or slightly ascending. The connections must be tight. For ecoline models, a part of the connection pipe is supplied. The stove must be fitted with this or equivalent. Lotus stoves can be connected either from above or from the rear.

Lotus stoves are suitable for use on a flue gas manifold and must be connected to chimneys with multiple stoves.

1.2 Floor loading

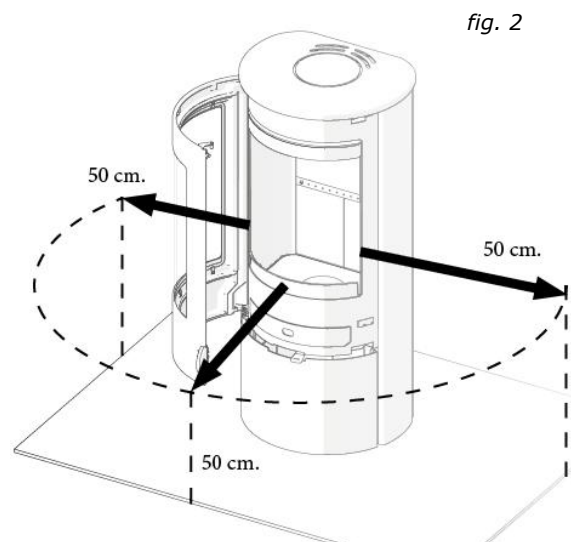
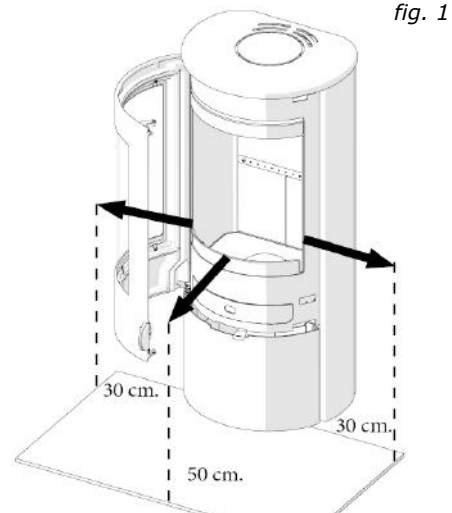
Please note that the maximum permitted load on the floor must not be exceeded by the weight of the stove. Using a non-combustible floor plate distributes the weight of your stove over a larger area.

1.3 Krav til opstilling

Consult a qualified specialist or your chimney sweep before installation. Observe the safety distances specified for the specific stove. These can be found in the technical data section, they must also be observed for a stove installed on a turntable. Be aware that when the door to the firebox is open, sparks can fly further out than the floor plate.

The floor plate must always be large enough to extend at least 50 cm*) in front of the firebox opening or oven door fig.1. The floor plate must cover at least 30 cm**) from the side of the firebox opening.

Please note that the firebox opening on a swivelling stove fig. 2 can take up different positions. This means that the floor plate must cover at least 50 cm*) of the entire swivelling area.



For non-flammable material where no safety distance needs to be maintained, we recommend 70-100 mm to allow the stove to release and distribute heat while allowing easy cleaning behind the stove.

*) For Switzerland applies 40 cm and Denmark applies 30 cm

**) For Switzerland applies 10 cm and Denmark applies 15 cm

1.4 Safety distances to combustible materials

When placing your new stove in your home, special attention must be paid to distances to combustible materials, such as flammable walls, furniture, etc. for safety reasons. The statutory safety test has established a number of minimum distances that are important to observe. The distances can be found in the technical data sheet for the stove at the back of this manual.

Safety distances for models without turntable and side glass.

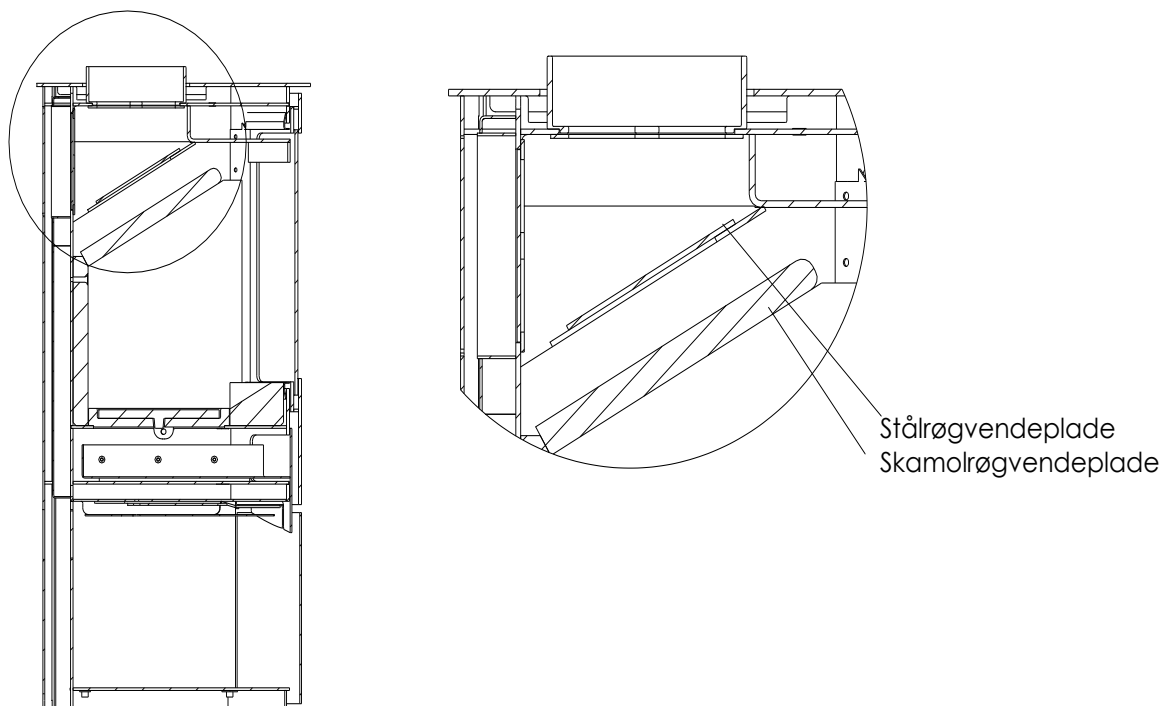
There must be no flammable and/or heat sensitive components in front of or next to the stove in the direct radiation area of the glass pane. The distance to combustible and heat-sensitive components and furniture can be reduced with a radiation shield. However, the effect is dependent on the individual installation and must be approved by the local authority. The rear distance for Lotus ovens is up to 30 cm, depending on the type of oven. Also refer to the type plate and/or technical data sheet for your oven, which you will find in sections 10 and 11.

The safety distance from the side to combustible components and/or heat sensitive materials varies depending on the model of your stove. Please also refer to the rating plate and/or technical data sheet of your stove.

Minimum distances to flammable components and furniture are indicated on the rating plate and must be observed!

1.5 Installing smoke switch plates

Below is shown how to position the smoke turning plates (the shaded plate in the centre of the oven), the oven is shown with a section through the oven seen from the side.



The smoke baffle plates are removed separately. Remove both smoke baffles by lifting up on one side, then release them on the other side and take them down into the firebox and out of the door. Similarly, they are put back in place by sliding them up at an angle on one side and then on the other side and then putting them back in place in the centre.

It can be helpful to remove the log catcher and side plates on one side to make it easier to get the smoke deflector plate in. The same applies when removing the smoke deflector plate.

1.6 Installation for ecoline models with catalytic converter

Lotus ecoline models come with a specially designed catalyser module and one or two 50 cm loose connection pipes as part of the stove to be installed by the fireplace installer.

In general

The catalysts in Lotus stoves are characterised by a long service life and very effective emission reduction under the right conditions. To ensure their efficiency and function during their lifetime, attention must be paid to correct installation, handling, use and cleaning.

Unpacking and handling

The catalysts are a ceramic structure coated with an active layer consisting of a mixture of metal oxides and precious metals. The catalysts should only be touched with gloves, otherwise the active layer may be damaged and the catalyst's efficiency reduced.

Important: Catalysts are fragile and must be handled very carefully.

Avoid bumping and dropping the catalytic converter. This can damage the catalytic converter.



Installing the catalytic converter

The catalyst is integrated in the upper part of the combustion chamber of your stove. It sits snugly and protected behind the smoke baffle plate in the perfect environment for the catalytic afterburning process. It is important to position the catalyst correctly to secure the gap for the required bypass.

Remove the catalytic converters from the transport packaging, remove the smoke deflector plate and the steel smoke deflector plate (discard the steel smoke deflector plate) and place the catalyser in the holder as shown in the picture. Before installing the smoke baffle in the combustion chamber, place the catalyser module where the steel smoke baffle was. This is important for the function of the stove and catalyser and is carefully adapted to the existing legal requirements.



Catalyst assembly seen from the flue outlet above the vermiculite flue baffle

Cleaning

Depending on the operating time, fuel and user behaviour, the catalytic converter must be cleaned as coarse dust particles from the flue gases settle on the surface. These coarse dust particles must be regularly removed from the catalyst surface. As the user of the stove, you should regularly inspect the soiling of the catalyser and decide if cleaning is necessary. This is easily done by taking it down through the combustion chamber after removing the smoke deflector plates and can be done by any stove user.

Tools for cleaning.

To clean the catalytic converter, you can use a hand brush, paintbrush or the brush head of a vacuum cleaner.



Important:

A blocked catalyser no longer functions properly and should be cleaned or replaced before further use of the stove. It is therefore important that the catalyser is regularly checked by visual inspection.

For safety reasons, your ecoline stove is also equipped with a legally required bypass channel for the flue gases, so that the stove can still get rid of the flue gases even if the catalyst becomes blocked.

Catalytic converters that are blocked with tar can no longer be cleaned and must be replaced.

Before sweeping the chimney and flue pipe, the catalyser must be removed. Otherwise, there is a risk of the catalyser becoming damaged and clogged.

Operating time.

When fired correctly and under the right combustion conditions, the catalyst is very durable and robust in relation to the environment above the combustion chamber. With regular inspection and cleaning, the catalyst will last for at least 3 firing seasons without needing to be replaced.

1.7 Safety instructions

The surfaces of the stove become hot. Parts of the stove, especially the exterior surfaces, door, control handles, glass pane and flue pipes become hot during operation! Appropriate care must be taken! Use suitable tools (1 glove is included in the scope of delivery).

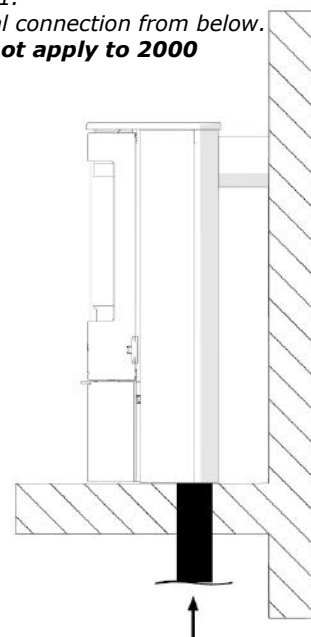
1.8 Tilførsel af forbrændingsluft

Before using the stove, it is important to ensure that there is sufficient combustion air available and that the room where the stove is installed is generally supplied with air or ventilated. In most rooms there will be enough air, especially if some of the doors between rooms in the house are open.

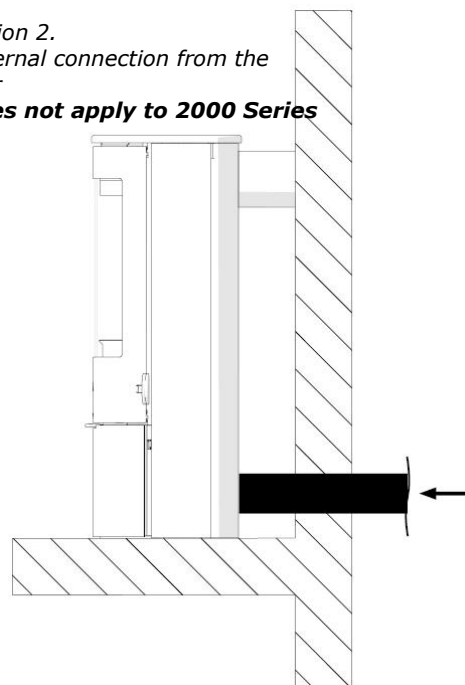
Ensure that there is sufficient combustion air. If necessary, talk to your chimney sweep in advance if you need to calculate the air requirement for the stove's installation site and tell you how much extra air is still needed, if any.

Wood-burning stoves are usually operated as room air-dependent stoves that get their combustion air from the installation room. In special cases, if windows and doors are closed tightly, the supply of combustion air can no longer be guaranteed. It may therefore be necessary to install an air valve in the outer wall of the room where the stove is installed. Insufficient combustion air can negatively affect the chimney draught, and other equipment that uses air installed together with stoves in the same room or room air system (e.g. hoods or fans) can also negatively affect the function of the stove. In the worst case, it can affect your well-being and safety. In such cases, sufficient consideration must be given to the necessary air equalisation.

*Option 1.
External connection from below.
Does not apply to 2000 Series.*



*Option 2.
External connection from the rear
Does not apply to 2000 Series*



Your new stove can also be connected to external combustion air, as illustrated in the figures. This is particularly practical in modern buildings that are very airtight. The external connection only requires a separate duct connection to the outdoor air or the exhaust duct of the ventilation system. See separate installation instructions. The Orbis stove family is also mechanically prepared for fresh air systems through a double-walled steel chimney.

1.9 Chimney and dimensioning

A good draught in your chimney is crucial to how well a stove will burn. A well-dimensioned chimney is not only crucial for the flue gases to be led away from the stove, but also determines the supply of combustion air and thus how well your new stove will work overall. If the chimney draught is too low, ignition can be difficult in the stove and subsequently it can be difficult to achieve efficient and environmentally friendly combustion. Conversely, too high a chimney draft can lead to excessive oxygen supply and combustion with the risk of negatively impacting efficiency and emission values. If the architecture of your building or the surrounding landscape makes it difficult to dimension the chimney, a mechanical draft control may be a solution. Ask your chimney sweep for advice.

The chimney of a Lotus stove must comply with temperature class T400 and the effective height must typically be around 4.5 metres. Effective height is the distance from the top of the stove to the top of the chimney. The chimney must be able to provide a draught of at least 12 Pa for the best operation of the stove.

The cross-section of the chimney must be adapted to the stove. The clearance must be min. Ø150 mm (internal dimension) in steel chimneys and min. Ø175-180mm in brick chimneys or chimneys made of ceramic elements, as their inner surface is often rough and offers resistance.

Naturally, all joints and connection points must be sealed and there must be access to the cleaning hatches in the chimney. If your chimney has a smoke damper, it must have a forced opening of at least 20 cm².

Your Lotus stove is approved for connection to a chimney with multiple flues that is used for multiple stoves or other purposes. The specific local conditions must be assessed by the installer and/or chimney sweep.

The chimney must be dimensioned in accordance with EN 13 13384-1 and 2 or the country-specific building regulations.

2 Recommended wood for fuel

Various hardwoods such as beech, birch, ash or fruitwood are very suitable as fuel.

Firewood for Lotus stoves is cut into lengths of about 30 cm or less and split to a thickness of about 7-9 cm. A maximum moisture content of 15-20% is very important for good combustion (optimal value is 15-17%). If the wood is too moist, the stove's performance drops sharply because part of the energy is used to vaporise the water content. The water vapour causes the temperature in the combustion chamber to drop sharply, allowing condensation to form in the flue pipes. The condensation causes rust to form in the flue, and dripping water and peat soot can also be a consequence. If the wood is too dry, it burns too fast for the amount of air supplied and emits more particles than necessary.

It is not recommended to use firewood such as impregnated wood, chipboard, coloured leaflets or glossy paper that is not suitable for a Lotus stove. These develop acids or release heavy metals that can attack the metal surfaces in the firebox and cause corrosion. In addition, treated types of wood and paper will not burn completely and cleanly but release substances into the flue gas and ash that are harmful to the environment.

2.1 Firewood for ecoline models

Lotus ecoline stoves are catalytic stoves and therefore it is even more important to follow the recommendations for fuel selection. Correct firing and the use of the correct recommended fuel is extremely important for the function of the stove and the most environmentally friendly use of the stove. Be aware that burning resinous woods such as spruce and pine entails a higher risk of catalyst blockage. In this case, it is important to check and inspect the catalyser more frequently than usual.

2.2 Wood for kindling

Use small pieces of split wood of an easily flammable wood type as kindling (approx. 2 x 2 cm with a length of approx. 25 cm). This creates a rapid heating in the stove and builds up the first layer of embers for the next firings. It is important that the kindling is completely dry.

3 First ignition

After installation and chimney sweep approval, your new stove can be fired up. Lotus stoves are factory-coated with a very robust and heat-resistant special paint. This treatment means that during the first few firings, the stove may emit a peculiar odour when the paint hardens during the first firing, but this will disappear after a short period of operation after the stove has been well heated. Therefore, do not touch the surface during the heating phase to avoid damage and discolouration of the surface. Ensure good ventilation and airing of the room during the first use of the stove.

4 Operating the stove

A Lotus stove is designed to be as easy as possible to fire correctly. There are only a few settings that need to be operated once the stove is lit in order to get the most out of the stove. It's only the correct air setting and the loading of firewood that you need to focus on to use the stove correctly. The combustion air is adjusted with one handle located centrally under the door. The stove then distributes the air volume to primary air, raw/secondary air and tertiary air. Next, it is the preparation of the fire that is important. When firing with new firewood, follow the firing schedule found in the technical data section. Fire with the right number of logs arranged in the bottom of the firebox according to the schedule - parallel, across, crosswise, etc. Before use, it must be cut and split to the correct size and dried to the correct moisture content.

Below is a description of the method used in the stove's testing and approval by the accredited test institute. It is this method that leads to the best combustion at the given chimney draft of 12 Pa, and if you fire in this way, you will experience the same fantastic heat and efficiency as well as the most environmentally friendly use of the stove. The amount of wood and the setting of the air damper are important and differ between stove types. The correct

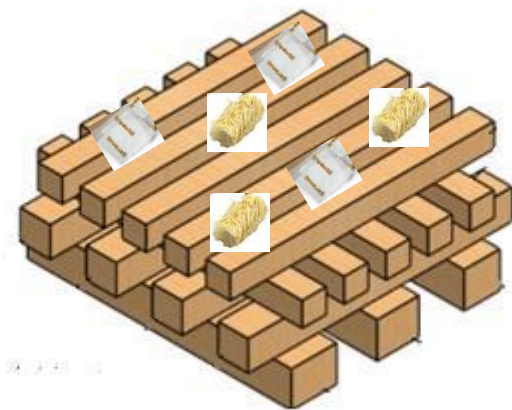
values are listed in the firing schedule among the technical specifications at the back of this guide. However, the firing rate and damper setting can be varied according to individual heating needs and the specific chimney draft for the installation in question.

The stove has been tested with beech and birch firewood with approximately 16-18% humidity.

4.1 Firing up and loading wood

It is recommended that firing in a Lotus stove is done from above. Before firing, open the air valve under the door to maximum.

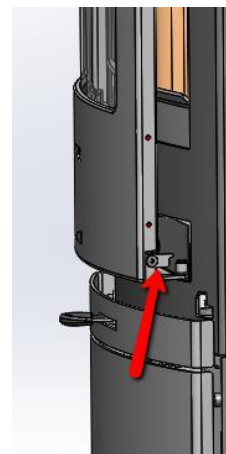
Place 2-3 small pieces of wood/blocks on the ash layer at the bottom of the firebox. Then place dry, finely split kindling on top of the lower pieces of wood in the centre of the firebox and build it up as a log layer as in the schematic example below. Finally, place a number of kindling blocks and wood wool on top of the top log layer.



As a starting point, the door should be ajar, with an opening of about 3 cm. There is a small door stop on the right side of the door at the top or bottom, except on 2000, Jubilee 35, Living, Mira, Prio and Style. The door handle is used for this function. This ensures that the fire gets extra combustion air during the critical heating phase. Ignite the firelighters and leave the door ajar under supervision.

When the fire is burning and the glass pane is hot, you can close the door (approx. 5-10min).

When the fire has burned down to embers (no flames), prepare for the next firing. Take out the firewood according to the firing schedule and carefully open the oven door so that the ash does not swirl around. Spread the embers in an even layer and place the next pieces of wood in the centre of the firebox. Then close the oven door. Caution! The surface and handles of the stove get hot. The stove comes with a protective glove that can be used if needed.



Place the logs close together at the bottom. The pieces will ignite best if they have one split side facing the door and one down in the embers. Close the door completely immediately.

Open the damper fully and wait about 4 minutes until the wood is well lit and adjust the air slide to the centre position. How far you need to move the air slider to the left depends on the chimney draft, but the flames should now stabilise to a steady burning fire. However, there should always be a "lively" flame in the firebox.

Once the fire has burned down to embers (no flames), relight the fire as described above.

Slow combustion

Place a good amount of firewood (3.0-3.5kg divided into 3-5 pieces - not 1 or 2 large logs) on a reasonable bed of embers and when the fire is well established, turn down the air. Never reduce the air supply more than enough to maintain a clear and steady flame. If the air supply is regulated down too early or is generally too low, it will result in poor efficiency and excessive emissions to the detriment of the environment.

5 Ash

There should always be some ash in the firebox. The fire burns better if the fire/wood is covered in a layer of ash. The ash causes the embers to accumulate faster and the embers last longer. Lotus recommends that the ash is removed after the 10th burning process at the earliest. On Lotus stoves without an ash drawer, it is easiest to remove the ash with an ash extractor or a small shovel. The ash can be thrown in the rubbish bin when it has completely cooled down. The ash should always be cooled for at least 1-2 days before being thrown in the bin, otherwise there may still be embers that can ignite waste or rubbish bags.

6 Good advice

Over time, after using the stove a few times, you will get better and more experienced in firing and heating your home with your Lotus stove. We have compiled a number of tips and guidelines to help you maintain and enjoy your stove for many years to come.

6.1 Cleaning the oven

All Lotus ovens are factory-painted with a very robust and heat-resistant special paint in the colour 'charcoal' or 'grey'. The painted surface is maintained by brushing it with a soft, long-haired car brush or by careful use of the vacuum cleaner with brush.

A Lotus stove is designed so that when fired correctly, the surfaces of the firebox and stove glass are self-cleaning during daily operation. However, the interior should be cleaned regularly if necessary. Remove ash, soot and any tar residue from the glass and combustion chamber. Smoke deflector plates should also be removed regularly to remove soot and dirt, which will often accumulate behind the plates. Check that there is a clear passage to the chimney. The bottom of the firebox should be emptied of ash regularly, but the rest of the stove's surfaces can also be cleaned to keep the stove looking good

throughout its lifetime. Steel and cast iron surfaces are best wiped and cleaned with a damp cloth and a mild detergent can be used, but harsh solvent-based cleaners should be avoided.

All Lotus ovens are coated with robust heat-resistant paint, but solvents can damage the paint.

Cleaning the oven's stone lining, soapstone, Indian night and limestone.

General cleaning is done with a hard-wrung cloth with a little ordinary mild detergent or with a little window cleaning spray. Do not use acidic cleaners.

If necessary, the soapstone can be cleaned with a very regular acetone/thinner.

If there are stains that the thinner cannot remove, you can lightly sand the stone with a foam scouring pad (the kind you use for pots). A small scratch can be carefully sanded down with very fine sandpaper.

6.2 Maintenance of the stove

Gaskets

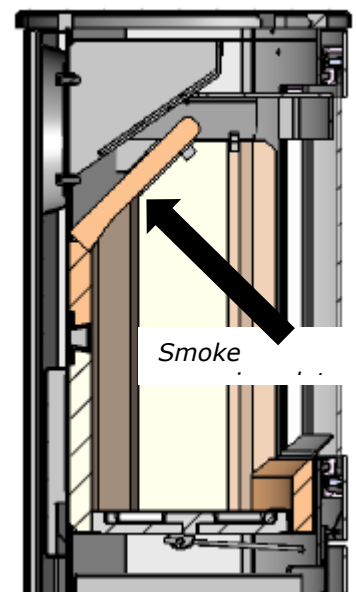
Gaskets on doors and glass panes wear out. They may look nice at first glance, but they collapse over time, especially under thermal stress, and lose their ability to keep the stove sealed. Gaskets should be replaced as needed, as a tight seal is essential for good combustion and a clean glass pane.

Lotus recommends that you check the seals regularly, but at least once a year, and have them replaced by your dealer if necessary. (Seals are wearing parts and are not covered by warranty).

6.3 Combustion chamber lining

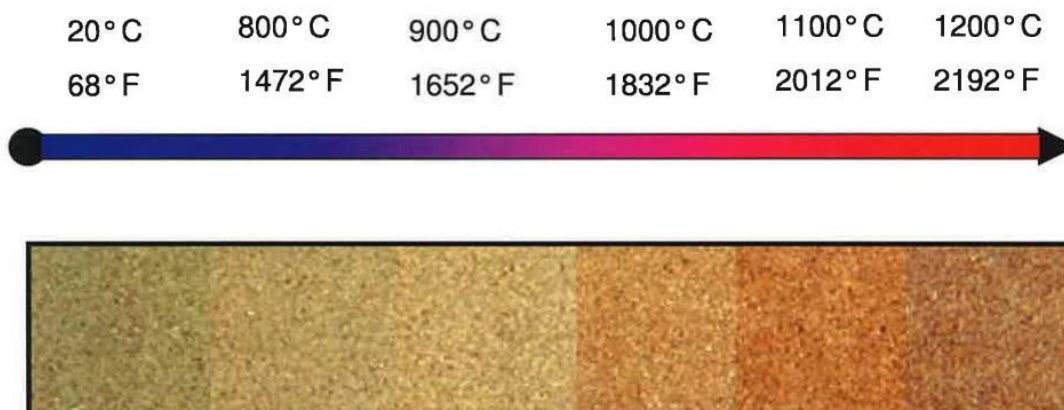
The sides of the combustion chamber are lined with ceramic and mineral plates to protect the steel structure of the stove, ensure a high and efficient combustion temperature and contribute to the optimal distribution of combustion air. The cladding can crack or become worn when overloaded. The plates are made of thermotte and vermiculite, which is an insulating material. The cladding is brittle and small cracks and flaking may occur over time when using the stove. These minor cracks in the firebox lining do not impair the function of the stove. In the event of heavy wear, the material should be replaced at the latest when the plates have a thickness of approx. 1.5 cm.

The vermiculite material is slightly porous and the thermotte is a brittle ceramic. To avoid damaging or breaking the plates, it is important that the firewood is not thrown, but placed in the centre of the firebox without touching the side cladding. Should you accidentally break a plate, it has no effect on the insulating effect of the plate. Spare parts kits for the combustion chamber lining are available from your Lotus dealer.



However, burning too much or the wrong fuel can damage the cladding, and the cladding can also crack if a log or other object is pushed hard into the cladding.

The mineral vermiculite insulation will change colour when heated strongly. The colour spectrum is shown below. If the vermiculite has been exposed to particularly heavy loads, it may change colour and become reddish. However, the material retains its insulating properties.



The combustion chamber lining is a wearing part and is not covered by warranty. It must be replaced if it is burnt through or has loose flakes. Contact your dealer for more information about original spare parts for your Lotus stove.

6.4 Glass panes

The glass panes of the oven are made of special ceramic glass. The glass pane is therefore highly heat-resistant.

When firing correctly in the stove, the special windscreen washer function automatically cleans the glass pane and the stove ensures that the glass remains clear and transparent so that the flames of the fire can be enjoyed. However, outside normal use, e.g. during firing or when the fire goes out, where the temperature is low and thus the supply of combustion air is low, soot deposits may form on the glass. When the stove is cold, the glass can be cleaned with a soft cloth.

If the temperature is too high, the glass turns milky white.

During the special production process, micro-bubbles can form in the glass in special cases and do not constitute a quality defect.

(The glass pane is not covered by warranty).

The glass pane must not be disposed of with normal glass waste.

(must be disposed of as ceramic waste).

6.5 Repair paint

Repairing your stove with spray paint can cover stains or small scratches from objects or other damage. Larger damage should be sanded down with fine steel wool, vacuumed and then sprayed. The can should be shaken vigorously and spray painted with a distance of 15-20 cm. It is very important that the stove is out of operation and completely cold before using the spray, otherwise major damage can occur due to fire hazard. The original special paint is available as a repair spray from your local Lotus dealer.

6.6 Maintenance/spare parts

Maintenance/spare parts, especially moving parts, can become worn with frequent use. Only original spare parts may be used. At the end of a heating period, we recommend that you have the stove serviced by your Lotus dealer.

Treat all moving parts (hinges and locking mechanism) with a heat-resistant lubricant at least once a year. This will extend the lifespan of the moving parts and ensure they function smoothly.

7 Natural stone

Natural stone is a perfect heat accumulator. If a natural stone shows signs of minor scratches or fingerprints, these can be removed with a microfibre fleece cloth. Natural stone is characterised by varying degrees of veining on the surface, which makes it unique. With Indian Night, small cracks may appear on the surface; these are only on the surface and no longer go into the stone and are part of the stone's character.

The pattern of the veins cannot be affected. The stone cladding makes your stove unique and there will be deviations from other stoves - e.g. the display stove you have seen at your dealer. Therefore, there is no guarantee for the appearance of natural stone. Do not place cool containers on hot natural stone slabs. The large temperature difference leads to stresses that can cause cracks in the material.

8 Problems, questions and answers

If you are experiencing problems with your Lotus oven, the cause in some of the most common cases can be found below.

The stove is difficult to get to burn and may go out

There can be a number of reasons for this. The most typical are:

The damper is not open enough.

The firewood is too wet.

The draught in the chimney is too low, it may be clogged or leaking.

The ember layer was too small/annealed and did not provide enough heat to ignite the logs

Depending on the problem, it may be necessary to contact your Lotus dealer or a chimney sweep.

The stove is difficult to control - it burns too fast

If the stove is new, check that you have followed the operating instructions and set the air control correctly. If the stove is more than 1 year old or has been used a lot, it may be necessary to replace the seals. You can also check if the top smoke deflector plates are positioned correctly and pushed all the way back?

The oven draws poorly after installation

Check that the installation instructions have been followed and the smoke baffle plates are positioned correctly. There may also be problems with the chimney. Is the diameter and length as recommended? Is the chimney cross-section clear? Are the flue pipes and transitions clear? Is there a smoke damper in the chimney that needs adjusting? It may be necessary to contact the chimney sweep to solve the problem.

There is a smell of smoke and soot

This can be caused by wind falling into the chimney and can occur in certain weather conditions. The chimney does not have the prescribed effective height or there are taller trees or buildings in the immediate vicinity of the chimney. Is there sufficient combustion air?

If windows and doors are tightly closed, it can lead to negative pressure in the room, which means that the air supply is not guaranteed, which greatly impairs the chimney's draught ability. If the chimney has previously been connected to another type of stove with a different type of fuel (oil, coke etc.), older soot residues in the chimney may continue to emit strong odours.

An extractor hood on the exhaust air in the same room or a room air connection can lead to a very high negative pressure in the room, causing flue gases to be sucked into the room. It is therefore mandatory to provide a safety device to ensure that there is always sufficient combustion air in the room.

Heating during the transition period

From an outside temperature of about 15 degrees and above, your stove may malfunction. The small temperature differences lead to a reduced draft in your chimney. This can result in poor ignition behaviour, unsatisfactory combustion, increased flue gas formation with sooting of the glass and smoke escaping when the stove door is opened.

Note in case of a chimney fire

If incorrect or too moist fuel is used, a chimney fire may occur due to deposits in the chimney. Close all air vents in the chimney immediately and notify the fire department. Once the chimney has burned out, it should be checked by a professional for cracks and leaks.

Special instructions

If the stove is overloaded significantly beyond the rated heat output or if fuels other than those specified are used, the manufacturer's warranty is void.

9 What is included with the stove?

Depending on the selected stove model, different accessories and equipment are included to be used for set-up and installation. All stoves come with installation and operating instructions, a mounting kit for connecting the flue pipe and a glove.

10 Disposal of the packaging

Wood packaging: Send for recycling or disposal.

Stretch film/plastic film: Hand in for recycling or disposal.

Plastic bags: Hand in for recycling or disposal.

10.1 Disposal of oven parts

Steel/cast iron: Hand in for recycling or disposal.

Combustion chamber insulation: Hand in for disposal.

Packages: Send for disposal.

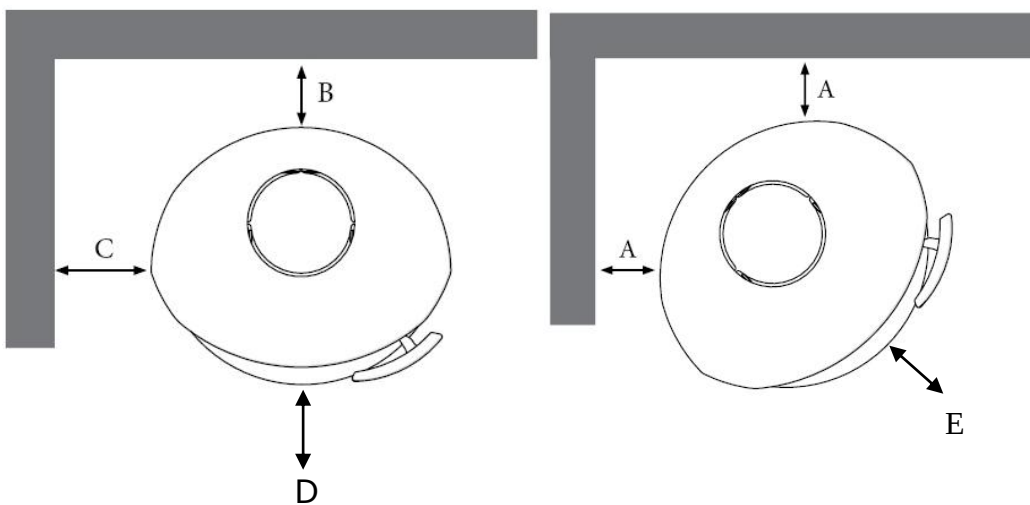
Glass: Dispose of as ceramic waste.

Catalyst:

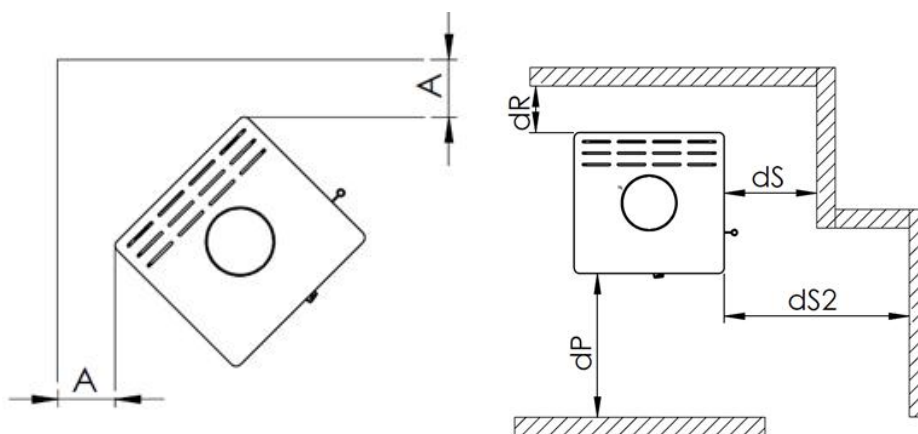
At the end of its service life or if damaged, the catalytic converter must be replaced. However, the end-of-life catalytic converter does not have to be discarded and thrown away. The metals in the catalytic converter can be extensively reprocessed and reused. You can therefore return your used catalytic converter to your dealer at the same time as you buy a new one. Lotus will then take care of environmentally friendly and correct reprocessing.

11 Safety distances to combustible materials

The safety distances for each stove are defined during the safety testing for the stoves' type approval. It is important that these distances are observed to achieve a fire safe installation. The distances are only relevant for combustible materials and are not necessary for non-flammable building materials such as stone. In the technical data section of the stoves, the individual distances can be found. The different distances are illustrated below.



Special for Allure



12 Technical oven data

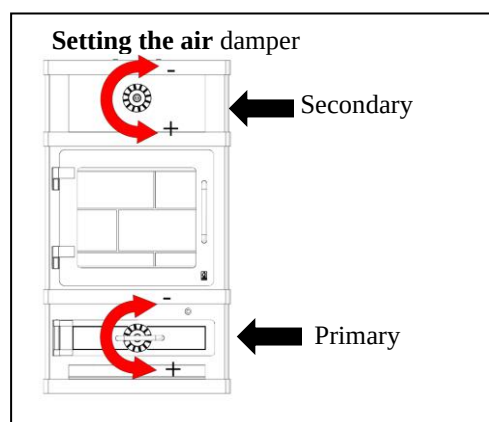
2000

Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front mm
2060	930	520	405	175	200	200	200	800
2080	930	520	405	267	200	200	200	800

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
2000 series	12	6,1	287°	81	8

Amount of ignition and refuelling	
Kindling firewood	Wood
2.4kg	1.9kg



Supplier or brand name	Lotus	Notes
Model identity	2000 Series	
Energy efficiency class	A+	
Direct heat output	8.0 kW	rated power at EN test
Energy Efficiency Index (EEI)	108,5	Calculation with EEI calculator ²
Efficiency at nominal heat output	81,0 %	Efficiency according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus 2000 series
Documentation	www.lotusstoves.com
Requests	EN 13 240 2001/A2 2004/AC 2007

EU Union legislation:

	Reference	Date	Title
Top level directives and regulations			
	DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (ecodesign)
	REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
	REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts			
	(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
	(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
	2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications			
	EN 13240:2001	7/4/2001	Room heaters fired by solid fuel
	EN 13240/A2:2004	28/10/2004	Harmonisation of EN13240 by Annex ZA
	prEN 16510-1 (2013 ed)	January 2013	Emission measurement methods prior to 2018
	CEN/TS 15883	8/9/2009	Emission measurement from 2009
	EN 16510-1:2018	31/7/2018	Emission measurement methods 2018 onwards

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations.

η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O ₂)	PM [mg/m ³] (13% O ₂)	NOx [mg/m ³] (13% O ₂)	CO _{GC} [mg/m ³] (13% O ₂)
≥65%	≤1500	≤40	≤200	≤120

Date: 29/01-2024



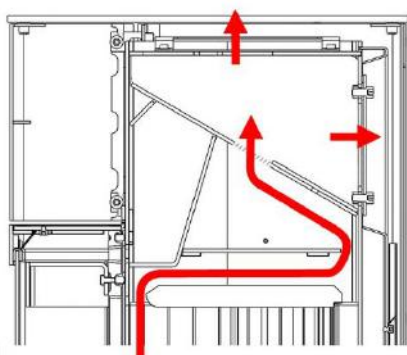
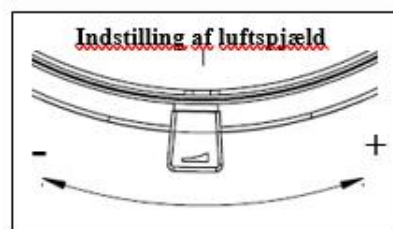
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Lotus Heating Systems A/S

Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	dR mm	dS mm	dP dS2 mm mm
Allure	1345	480	450	190	150	150	420	1100 600

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Allure	12	5,6	258°	82	6,5

Amount of ignition and refuelling	
Kindling firewood	Wood
1.8kg	1.5kg



Correct positioning of steel smoke deflector plates.

Other data

Supplier or brand name	Lotus	Notes
Model identity	Allure	
Energy efficiency class	A+	
Direct heat output	6.5 kW	rated power at EN test
Energy Efficiency Index (EEI)	110	Calculation with EEI calculator ²
Efficiency at nominal heat output	82 %	Efficiency when tested according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus Allure
Documentation	www.lotusstoves.com
Requests	EN 13 240 2001/A2 2004/AC 2007

EU Union legislation:

	Reference	Date	Title
Top level directives and regulations			
	DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (ecodesign)
	REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
	REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts			
	(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
	(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
	2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications			
	EN 13240:2001	7/4/2001	Room heaters fired by solid fuel
	EN 13240/A2:2004	28/10/2004	Harmonisation of EN13240 by Annex ZA
	prEN 16510-1 (2013 ed)	January 2013	Emission measurement methods prior to 2018
	CEN/TS 15883	8/9/2009	Emission measurement from 2009
	EN 16510-1:2018	31/7/2018	Emission measurement methods 2018 onwards

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations

η_s [%] Seasonal Heating efficiency	CO[mg/m] ³ (13% O) ₂	PM[mg/m] ³ (13% O) ₂	NOx[mg/m] ³ (13% O) ₂	CO _{GC} [mg/m] ³ (13% O) ₂
≥65%	≤1500	≤40	≤200	≤120

Date: 23/12-2021



Lars U. Borch **Lotus Heating Systems A/S**

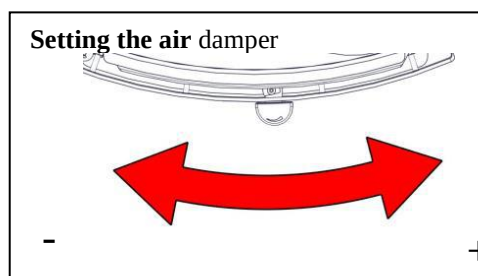
Jubilee 10-20

Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front mm
Jubilee 10 Wall	648	491	322	84	170	170	450	1150
Jubilee 10 Base	737	491	310	82	170	170	450	1150
Jubilee 20	950	491	301	90	170	170	450	1150
Jubilee 20 S	985	491	301	135	170	170	450	1150

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Jubilee 10 Jubilee 20	12	3,9	302°	81	4

Amount of ignition and refuelling	
Kindling firewood	Wood
1.1kg	0.9-1 kg



Data sheet

Supplier or brand name	<i>Lotus</i>	Notes
Model identity	<i>Jubilee 10-20 Series</i>	
Energy efficiency class	<i>A+</i>	
Direct heat output	<i>4 kW</i>	<i>rated power at EN test</i>
Energy Efficiency Index (EEI)	<i>109</i>	<i>Calculation with EEI calculator²</i>
Efficiency at nominal heat output	<i>81 %</i>	<i>Efficiency according to EN 13240</i>
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	<i>Selected examples:</i> - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus Jubilee 10-20
Documentation	www.lotusstoves.com
Requests	EN 13240 2001/A2 2004/AC 2007

EU Union legislation:

Reference	Date	Title
Top level directives and regulations		
DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (ecodesign)
REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts		
(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications		
EN 13240:2001	7/4/2001	Room heaters fired by solid fuel
EN 13240/A2:2004	28/10/2004	Harmonisation of EN13240 by Annex ZA
prEN 16510-1 (2013 ed)	January 2013	Emission measurement methods prior to 2018
CEN/TS 15883	8/9/2009	Emission measurement from 2009
EN 16510-1:2018	31/7/2018	Emission measurement methods 2018 onwards

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations.

η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O ₂)	PM [mg/m ³] (13% O ₂)	NOx [mg/m ³] (13% O ₂)	C _{OGC} [mg/m ³] (13% O ₂)
≥65%	≤1500	≤40	≤200	≤120

Date: 29/1-2024



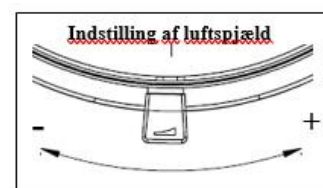
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Lotus Heating Systems A/S

Jubilee 25

Technical data					Safety distances to flammables				
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front D mm	Front E mm
Jubilee 25	1090	625	400	165	110	180	370	1250	1350
Jubilee 25 S	1100	625	400	234	110	180	370	1250	1350
Jubilee 25 M	1420	625	400	335	110	180	370	1250	1350

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Jubilee 25	12	2,01	242°	83	6,5
Jubilee 25 S	12	2,01	242°	83	6,5
Jubilee 25 M	12	2,01	242°	83	6,5



Optimal firing schedule

Jubilee 25 series	Ignition	Pre-firing	Firing	Firing	Firing	Firing
Firewood in kg.	1,8	1,8	1,35	1,35	1,35	And so on.
Damper setting	100% open (55mm)	19 mm after 3 min	19 mm after 1:30 min	19 mm after 1:30	19 mm after 1:30	And so on.
Tree position and length	19x20 cm 	30 cm 	25 cm 	25 cm 	25 cm 	

Other data

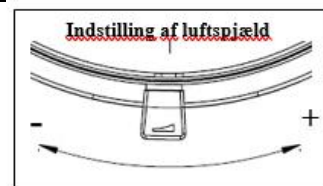
Supplier or brand name	Lotus	Notes
Model identity	Jubilee 25 series	
Energy efficiency class	A+	
Oven classification	BE	
Direct heat output	6.5 kW	rated power at EN test
Energy Efficiency Index (EEI)	111,4	Calculation with EEI calculator ²
Efficiency at nominal heat output	83 %	Efficiency according to EN 16510
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed. Air extraction systems can interfere with the combustion air supply!	

Jubilee 25 ecoline series

Technical data					Safety distances to flammables				
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front D mm	Front E mm
Jubilee 25 ecoline	1090	625	400	165	110	180	370	1250	1350
Jubilee 25 S ecoline	1100	625	400	234	110	180	370	1250	1350
Jubilee 25 M ecoline	1420	625	400	335	110	180	370	1250	1350

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Jubilee 25M ecoline	12	2,22	214°	85,1	7,2



optimal firing schedule

Jubilee 25 ecoline	Ignition	Pre-firing	Firing	Firing	Firing	Firing
Firewood in kg.	1,8	1,8	1,45	1,45	1,45	And so on.
Damper setting	100% open (55mm)	19 mm after 3 min	19 mm after 1:30 min	19 mm after 1:30	19 mm after 1:30	And so on.
Tree position and length	19x20 cm 	30 cm 	25 cm 	25 cm 	25 cm 	

Other data

Supplier or brand name	Lotus	Notes
Model identity	Jubilee 25 ecoline Series	
Energy efficiency class	A+	
Oven classification	BE	
Direct heat output	7.2 kW	rated power at EN test
Energy Efficiency Index (EEI)	114,4	Calculation with EEI calculator ²
Efficiency at nominal heat output	85,1 %	Efficiency when tested according to EN 16510
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus Jubilee 25 series, Jubilee 25 ecoline series
Documentation	www.lotusstoves.com
Requirements	EN 16510:2022

EU Union legislation:

Reference	Date	Title
Top level directives and regulations		
DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (codesign)
REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts		
(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications		
EN 16510:2022	23/10/2022	Residential solid fuel burning appliances
EN 16510-1:2022	23/10/2022	General requirements and test method
EN 16510-2-1:2022	23/10/2022	Room heaters

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations.

η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O ₂)	PM [mg/m ³] (13% O ₂)	NOx [mg/m ³] (13% O ₂)	CO _{GC} [mg/m ³] (13% O ₂)
≥65%	≤1500	≤40	≤200	≤120

Date: 09/09-2024



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Lotus Heating Systems A/S

Jubilee 35

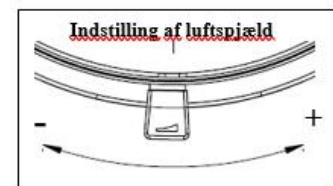
Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front mm
Jubilee 35	1090	725	455	196	100	170	310	1500
Jubilee 35 S	1100	725	455	250	100	170	310	1500
Jubilee 35M	1420	725	455	390	100	170	310	1500
Jubilee 35 BF	1410	725	455	242	100	170	310	1300
Jubilee 35 BF S	1420	725	455	300	100	170	310	1300

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Jubilee 35,S,M	12	5,4	274°	81	7
Jubilee 35 BF, M	12	6,4	232°	85	7

optimal firing schedule

Jubilee 35	Ignition	Pre-firing	Firing	Firing	Firing	Firing
Firewood in kg.	1,8	1,8	1,5	1,5	1,5	And so on.
Damper setting	100% open (55mm)	35 mm after 3 min	33 mm after 2:45 min	30 mm after 2:30	30 mm after 2:30	And so on.
Tree position and length	19x20 cm 	30 cm 	25 cm 	25 cm 	25 cm 	



Other data

Supplier or brand name	Lotus		Notes
Model identity	Jubilee 35 Series		
Energy efficiency class	A+		
Oven classification	BE		
Direct heat output	7 kW		rated power at EN test
Energy Efficiency Index (EEI)	110		Jubilee 35
	113		Jubilee 35 BF
Efficiency at nominal heat output	81%		Jubilee 35
	85 %		Jubilee 35 BF
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.		

Jubilee 35 ecoline

Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front mm
Jubilee 35	1090	725	455	198	-	220	310	1550
Jubilee 35 S	1100	725	455	250	-	220	310	1550
Jubilee 35M	1420	725	455	391	-	220	310	1550
Jubilee 35 BF	1410	725	455	247	-	220	310	1550
Jubilee M BF	1420	725	455	300	-	220	310	1550

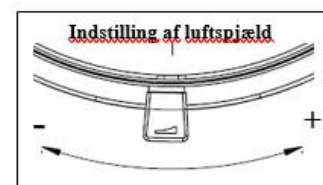
Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Jubilee 35,S,M	12	6,2	255°	85,4	7
Jubilee 35 BF	12	5,5	250°	85,7	7

Jubilee 35 and BF ecoLine come with a 1 m flue pipe

Optimal firing schedule

Jubilee 35 ecoLine series	Ignition	Pre-firing	Firing	Firing	Firing	Firing
Firewood in kg.	1,8	1,8	1,5	1,5	1,5	And so on.
Damper setting	100% open (55mm)	35 mm after 2:30 min	28 mm after 2:30 min	28 mm after 2:30	28 mm after 2:30	And so on.
Tree position and length	19x20 cm 	30 cm 	25 cm 	25 cm 	25 cm 	



Other data

Supplier or brand name	Lotus	Notes
Model identity	Jubilee 35 ecoLine	
Energy efficiency class	A+	
Oven classification	BE	
Direct heat output	7 kW	rated power at EN test
Energy Efficiency Index (EEI)	114 116	Jubilee 35 ecoLine Jubilee 35 BF ecoLine
Efficiency at nominal heat output	85,4% 86 %	Jubilee 35 ecoLine Jubilee 35 BF ecoLine
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus Jubilee 35 series, Jubilee 35 ecoline series
Documentation	www.lotusstoves.com
Requirements	EN 16510:2022

EU Union legislation:

	Reference	Date	Title
Top level directives and regulations			
	DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (codesign)
	REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
	REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts			
	(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
	(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
	2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications			
	EN 16510:2022	23/10/2022	Residential solid fuel burning appliances
	EN 16510-1:2022	23/10/2022	General requirements and test method
	EN 16510-2-1:2022	23/10/2022	Room heaters

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations.

η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O ₂)	PM [mg/m ³] (13% O ₂)	NOx [mg/m ³] (13% O ₂)	C _{OGC} [mg/m ³] (13% O ₂)
≥65%	≤1500	≤40	≤200	≤120

Date: 09/09-2024



Lars U. Borch, **Lotus Heating Systems A/S**

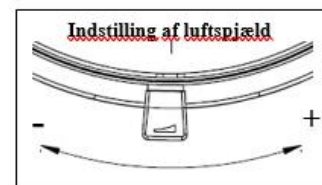
Mira 3-4

Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front mm
Mira 3	1082	472	385	113	420	170	420	1000
Mira 4	1082	472	385	113	420	170	420	1000

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Mira 3 - Mira 4	12	4,6	330°	78	5

Amount of ignition and refuelling	
Kindling firewood	Wood
2kg	1.7kg



Other data

Supplier or brand name	Lotus	Notes
Model identity	Mira 3 Mira 4	
Energy efficiency class	A	
Direct heat output	5 kW	rated power at EN test
Energy Efficiency Index (EEI)	104	Calculation with EEI calculator ²
Efficiency at nominal heat output	78 %	Efficiency when tested according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus Mira 3, Mira 4
Documentation	www.lotusstoves.com
Requirements	EN 13240 2001/A2 2004/AC 2007

EU Union legislation:

Reference	Date	Title
Top level directives and regulations		
DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (codesign)
REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts		
(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications		
EN 13240:2001	7/4/2001	Room heaters fired by solid fuel
EN 13240/A2:2004	28/10/2004	Harmonisation of EN13240 by Annex ZA
prEN 16510-1 (2013 ed)	January 2013	Emission measurement methods prior to 2018
CEN/TS 15883	8/9/2009	Emission measurement from 2009
EN 16510-1:2018	31/7/2018	Emission measurement methods 2018 onwards

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations.

η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O ₂)	PM [mg/m ³] (13% O ₂)	NOx [mg/m ³] (13% O ₂)	C _{OGC} [mg/m ³] (13% O ₂)
≥65%	≤1500	≤40	≤200	≤120

Date: 31/1-2024



Lars U. Borch, **Lotus Heating Systems A/S**

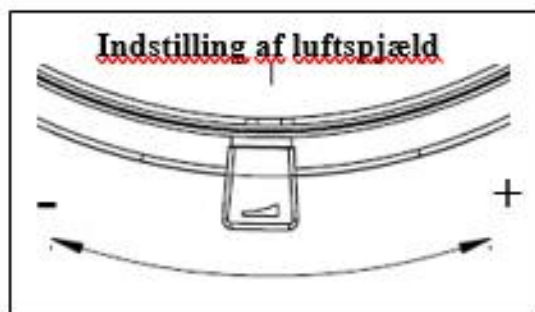
Mondo 30-3G

Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front mm
Mondo 3 G	992	480	412	118	600	180	600	1000
Mondo 30	992	480	412	120	250	180	250	1150
Mondo 30 S	992	480	412	161	250	180	250	1150
Mondo M	1231	480	412	250	250	180	250	1150

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Mondo 30-3 G	12	5,5	329°C	80	5,9
Mondo S - M	12	5,5	329°C	80	5,9

Amount of ignition and refuelling	
Kindling firewood	Wood
2kg	1.5-1.8kg



Other data

Supplier or brand name	Lotus	Notes
Model identity	Mondo 30 -3G	
Energy efficiency class	A+	
Direct heat output	5.9 kW	rated power at EN test
Energy Efficiency Index (EEI)	107	Calculation with EEI calculator ²
Efficiency at nominal heat output	80%	Efficiency according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus Mondo series
Documentation	www.lotusstoves.com
Requests	EN 13240 2001/A2 2004/AC 2007

EU Union legislation:

	Reference	Date	Title
Top level directives and regulations			
	DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (ecodesign)
	REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
	REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts			
	(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
	(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
	2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications			
	EN 13240:2001	7/4/2001	Room heaters fired by solid fuel
	EN 13240/A2:2004	28/10/2004	Harmonisation of EN13240 by Annex ZA
	prEN 16510-1 (2013 ed)	January 2013	Emission measurement methods prior to 2018
	CEN/TS 15883	8/9/2009	Emission measurement from 2009
	EN 16510-1:2018	31/7/2018	Emission measurement methods 2018 onwards

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations.

η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O) ₂	PM [mg/m ³] (13% O) ₂	NOx [mg/m ³] (13% O) ₂	CO _{GC} [mg/m ³] (13% O) ₂
≥65%	≤1500	≤40	≤200	≤120

Date: 31/1-2024



Lars U. Borch, **Lotus Heating Systems A/S**

Liva Series

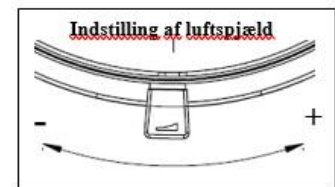
Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front mm
Liva 5-5G	1002	510	410	121	300	150	300	800
Liva 5 S	1022	510	410	175	300	150	300	800
Liva 6-6G	1210	510	410	133	300	150	300	800
Liva 6 S	1230	510	410	192	300	150	300	800
Liva 7 G	1100	510	410	157	300	150	300	800
Liva 8 G	800	510	390	110	300	150	300	800

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Liva 5-5G,6-6G,7G-8G	12	4,6	330°	78	5

firing schedule

Amount of ignition and refuelling	
Kindling firewood	Wood
2kg	2.1kg



Supplier or brand name	Lotus	Notes
Model identity	Liva series	
Energy efficiency class	A	
Direct heat output	5 kW	rated power at EN test
Energy Efficiency Index (EEI)	104	Calculation with EEI calculator ²
Efficiency at nominal heat output	78 %	Efficiency according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus Liva series
Documentation	www.lotusstoves.com
Requests	EN 13240 2001/A2 2004/AC 2007

EU Union legislation:

	Reference	Date	Title
Top level directives and regulations			
	DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (ecodesign)
	REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
	REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts			
	(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
	(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
	2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications			
	EN 13240:2001	7/4/2001	Room heaters fired by solid fuel
	EN 13240/A2:2004	28/10/2004	Harmonisation of EN13240 by Annex ZA
	prEN 16510-1 (2013 ed)	January 2013	Emission measurement methods prior to 2018
	CEN/TS 15883	8/9/2009	Emission measurement from 2009
	EN 16510-1:2018	31/7/2018	Emission measurement methods 2018 onwards

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations.

η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O ₂) ₂	PM [mg/m ³] (13% O ₂) ₂	NOx [mg/m ³] (13% O ₂) ₂	C _{OGC} [mg/m ³] (13% O ₂) ₂
≥65%	≤1500	≤40	≤200	≤120

Date: 31/01-2024



Lars U. Borch, **Lotus Heating Systems A/S**

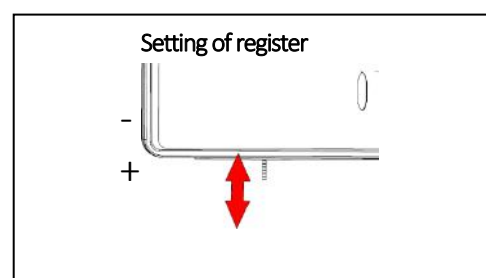
Living

Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front mm
Living	498	915	500	161	170	150	170	1100

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Living	12	7,6	310°	80,5	7

Amount of ignition and refuelling	
Kindling firewood	Wood
2kg	1,5-2,1kg



Other data

Supplier or brand name	Lotus	Notes
Model identity	Living	
Energy efficiency class	A+	
Direct heat output	7 kW	rated power at EN test
Energy Efficiency Index (EEI)	108	Calculation with EEI calculator ²
Efficiency at nominal heat output	80,5 %	Efficiency when tested according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus Living
Documentation	www.lotusstoves.com
Requests	EN 13240 2001/A2 2004/AC 2007

EU Union legislation:

Reference	Date	Title
Top level directives and regulations		
DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (ecodesign)
REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts		
(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications		
EN 13240:2001	7/4/2001	Room heaters fired by solid fuel
EN 13240/A2:2004	28/10/2004	Harmonisation of EN13240 by Annex ZA
prEN 16510-1 (2013 ed)	January 2013	Emission measurement methods prior to 2018
CEN/TS 15883	8/9/2009	Emission measurement from 2009
EN 16510-1:2018	31/7/2018	Emission measurement methods 2018 onwards

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations.

η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O ₂)	PM [mg/m ³] (13% O ₂)	NOx [mg/m ³] (13% O ₂)	C _{OGC} [mg/m ³] (13% O ₂)
≥65%	≤1500	≤40	≤200	≤120

Date: 31/01-2024



Lars U. Borch, **Lotus Heating Systems A/S**

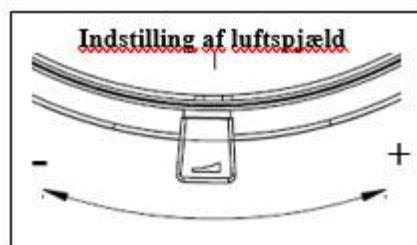
Orbis series

Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front D/E mm
Orbis 1	1088	Ø465	Ø465	142	125/50*	125/75*	600	1100
Orbis 2	1288	Ø465	Ø465	149	125/50*	125/75*	600	1100
Orbis 3	1488	Ø465	Ø465	156	125/50*	125/75*	600	1100

*insulated chimney

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Orbis 1	12	4,5	248°	81	5
Orbis 2	12	4,5	248°	81	5
Orbis 3	12	4,5	248°	81	5



Optimal firing schedule

Orbis series	Ignition	Pre-firing	Firing	Firing	Firing	Firing
Firewood in kg.	2,7	1,9	1,3	1,3	1,3	And so on.
Damper setting	100% open (55mm)	26 mm after 3 min	22 mm after 2:30 min	22 mm after 2:30am	22 mm after 2:30am	And so on.
Tree position and length	19x20 cm 	25 cm 	23 cm 	23 cm 	23 cm 	

Data sheet

Supplier or brand name	Lotus	Notes
Model identity	Orbis series	
Energy efficiency class	A+	
Direct heat output	5 kW	rated power at EN test
Energy Efficiency Index (EEI)	107	Calculation with EEI calculator ²
Efficiency at nominal heat output	81 %	Efficiency according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed. Air extraction systems can interfere with the combustion air supply!	

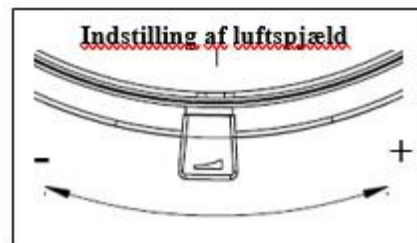
Orbis ecoline series

Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front D/E mm
Orbis 1	1088	Ø465	Ø465	142	125/50*	125/75*	600	1100
Orbis 2	1288	Ø465	Ø465	149	125/50*	125/75*	600	1100
Orbis 3	1488	Ø465	Ø465	156	125/50*	125/75*	600	1100

*insulated chimney

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Orbis 1	12	4,3	165°	88	5
Orbis 2	12	4,3	165°	88	5
Orbis 3	12	4,3	165°	88	5



Optimal firing schedule

Orbis series	Ignition	Pre-firing	Firing	Firing	Firing	Firing
Firewood in kg.	2,7	1,9	1,25	1,25	1,25	And so on.
Damper setting	100% open (55mm)	25 mm after 3 min	21 mm after 2:45 min	21 mm after 2:45 min	21 mm after 2:45 min	And so on.
Tree position and length	19x20 cm 	25 cm 	23 cm 	23 cm 	23 cm 	

Data sheet

Supplier or brand name	Lotus	Notes
Model identity	Orbis ecoLine series	
Energy efficiency class	A+	
Direct heat output	5 kW	rated power at EN test
Energy Efficiency Index (EEI)	118	Calculation with EEI calculator ²
Efficiency at nominal heat output	88 %	Efficiency according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed. Air extraction systems can interfere with the combustion air supply!	

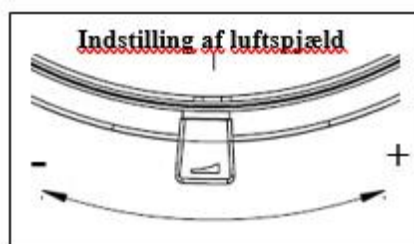
Orbis eco series

Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front D/E mm
Orbis 1	1088	Ø465	Ø465	142	125/50*	125/75*	600	1100
Orbis 2	1288	Ø465	Ø465	149	125/50*	125/75*	600	1100
Orbis 3	1488	Ø465	Ø465	156	125/50*	125/75*	600	1100

*insulated chimney

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Orbis 1	12	4,5	236°	83	5
Orbis 2	12	4,5	236°	83	5
Orbis 3	12	4,5	236°	83	5



Optimal firing schedule

Orbis series	Ignition	Pre-firing	Firing	Firing	Firing	Firing
Firewood in kg.	2,7	1,9	1,23	1,23	1,23	And so on.
Damper setting	100% open (55mm)	25 mm after 3 min	22 mm after 3:00 min	22 mm after 2:40 min	22 mm after 3:00 min	And so on.
Tree position and length						

Data sheet

Supplier or brand name	Lotus	Notes
Model identity	Orbis eco series	
Energy efficiency class	A+	
Direct heat output	5 kW	rated power at EN test
Energy Efficiency Index (EEI)	111	Calculation with EEI calculator ²
Efficiency at nominal heat output	83 %	Efficiency according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed. Air extraction systems can interfere with the combustion air supply!	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Orbis, Orbis ecoline and Orbis eco series
Documentation	www.lotusstoves.com
Requests	EN 13240 2001/A2 2004/AC 2007

EU Union legislation:

Reference	Date	Title
Top level directives and regulations		
DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (ecodesign)
REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts		
(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications		
EN 13240:2001	7/4/2001	Room heaters fired by solid fuel
EN 13240/A2:2004	28/10/2004	Harmonisation of EN13240 by Annex ZA
prEN 16510-1 (2013 ed)	January 2013	Emission measurement methods prior to 2018
CEN/TS 15883	8/9/2009	Emission measurement from 2009
EN 16510-1:2018	31/7/2018	Emission measurement methods 2018 onwards

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations.

η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O ₂) ₂	PM [mg/m ³] (13% O ₂) ₂	NOx [mg/m ³] (13% O ₂) ₂	C _{OGC} [mg/m ³] (13% O ₂) ₂
≥65%	≤1500	≤40	≤200	≤120

Date: 31/01-2024



Lars U. Borch, **Lotus Heating Systems A/S**

Prestige Series

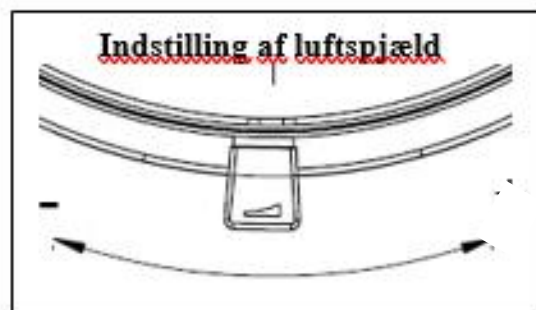
Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front mm
Prestige Basic	1070	470	387	127	250	150	250	800
Prestige Basic S	1090	470	385	147	250	150	250	800
Prestige M	1260	560	433	356	250	150	250	800
Prestige MST	1226	556	433	326	250	150	250	800
Prestige Magic 40	1215	486	390	129	250	150	250	800
Prestige Magic 40 S	1250	482	390	158	250	150	250	800

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Prestige series	12	4,3	335°	80	5

firing schedule

Amount of ignition and refuelling	
Kindling firewood	Wood
2kg	2.1kg



Other data

Supplier or brand name	Lotus	Notes
Model identity	Prestige series	
Energy efficiency class	A+	
Direct heat output	5 kW	rated power at EN test
Energy Efficiency Index (EEI)	107	Calculation with EEI calculator ²
Efficiency at nominal heat output	80 %	Efficiency according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus Prestige series
Documentation	www.lotusstoves.com
Requests	EN 13240 2001/A2 2004/AC 2007

EU Union legislation:

Reference	Date	Title
Top level directives and regulations		
DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (codesign)
REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts		
(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications		
EN 13240:2001	7/4/2001	Room heaters fired by solid fuel
EN 13240/A2:2004	28/10/2004	Harmonisation of EN13240 by Annex ZA
prEN 16510-1 (2013 ed)	January 2013	Emission measurement methods prior to 2018
CEN/TS 15883	8/9/2009	Emission measurement from 2009
EN 16510-1:2018	31/7/2018	Emission measurement methods 2018 onwards

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations.

η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O ₂)	PM [mg/m ³] (13% O ₂)	NOx [mg/m ³] (13% O ₂)	C _{OGC} [mg/m ³] (13% O ₂)
≥65%	≤1500	≤40	≤200	≤120

Date: 31/01-2024



Lars U. Borch, **Lotus Heating Systems A/S**

Prio Series

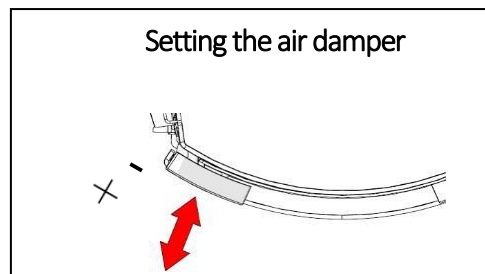
Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front mm
Priority 5-6	1110	540	440	164	200	150	200	800
Priority 5S	1130	540	440	239	200	150	200	800
Priority 6S	1130	540	440	226	200	150	200	800
Priority 7	1472	540	440	212	200	150	200	800
Priority 7 M	1492	540	440	257	200	150	200	800
Priority M	1485	540	440	310	200	150	200	800

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Priority series	12	7,1	310°	78,6	7

firing schedule

Amount of ignition and refuelling	
Kindling firewood	Wood
2kg	2.1kg



Other data

Supplier or brand name	Lotus	Notes
Model identity	Priority series	
Energy efficiency class	A	
Direct heat output	7 kW	rated power at EN test
Energy Efficiency Index (EEI)	105	Calculation with EEI calculator ²
Efficiency at nominal heat output	78,6 %	Efficiency according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus Prio series
Documentation	www.lotusstoves.com
Requests	EN 13240 2001/A2 2004/AC 2007

EU Union legislation:

Reference	Date	Title
Top level directives and regulations		
DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (codesign)
REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts		
(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
2017/C 076/02	10/3/2017	COM Transitional methods OJ EU C76 Vol 60
Harmonised standards, other standards and technical specifications		
EN 13240:2001	7/4/2001	Room heaters fired by solid fuel
EN 13240/A2:2004	28/10/2004	Harmonisation of EN13240 by Annex ZA
prEN 16510-1 (2013 ed)	January 2013	Emission measurement methods prior to 2018
CEN/TS 15883	8/9/2009	Emission measurement from 2009
EN 16510-1:2018	31/7/2018	Emission measurement methods 2018 onwards

Limit values:

This manufacturer declares the present room heater is in compliance with the limit values of the EU regulations.

η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O ₂)	PM [mg/m ³] (13% O ₂)	NOx [mg/m ³] (13% O ₂)	C _{OGC} [mg/m ³] (13% O ₂)
≥65%	≤1500	≤40	≤200	≤120

Date: 31/01-2024



Lars U. Borch, **Lotus Heating Systems A/S**

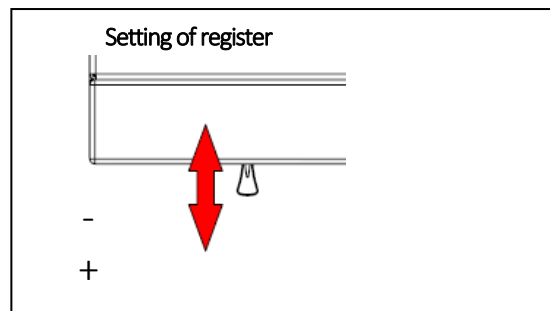
Style 370

Technical data					Safety distances to flammables			
Type	Height mm	Width mm	Depth mm	Weight kg	A mm	B mm	C mm	Front mm
Style 370	927	718	350	145	250	250	250	1400**

Chimney calculation form

Type	Smoke draft PA	Flue gas mass flow (g/s)	Flue gas Temperature	Efficiency %	Nominal power output kW
Style 370	12	5,5	302°	77	5,8

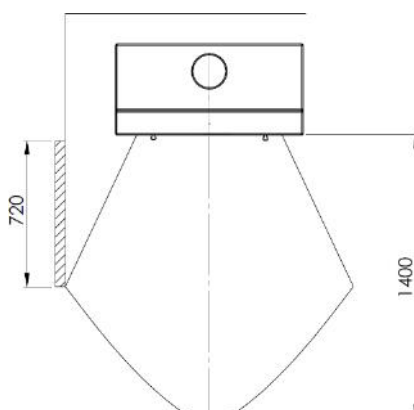
Amount of ignition and refuelling	
Kindling firewood	Wood
1.3kg	1.4kg



Other data

Supplier or brand name	Lotus	Notes
Model identity	Style 370	
Energy efficiency class	A	
Direct heat output	5.8 kW	rated power at EN test
Energy Efficiency Index (EEI)	103	Calculation with EEI calculator ²
Efficiency at nominal heat output	77 %	Efficiency when tested according to EN 13240
Specific precautions to be taken when assembling, installing or maintaining the local space heater product.	Selected examples: - Fire protection and safety distances, such as distances to combustible materials, must be observed! - An adequate supply of combustion air to the stove must be guaranteed.	

****Safety distances to combustible materials**



Note: There must be no flammable materials within the shaded area.

Declaration of conformity

This manufacturer's declaration confirms the compliance with the requirements of Regulation (EU) 2015/1185 and the notification in the Official Journal 2017 / C 076/02 of the European Commission.

Manufacturer	Lotus Heating Systems A/S, Agertoften 6, 5550 Langeskov, Denmark +45 63237070
Product type	Room heater for solid fuel (wood logs only)
Model identifier	Lotus style 370
Documentation	www.lotusstoves.com
Requests	EN 13240 2001/A2 2004/AC 2007

EU Union legislation:

Reference	Date	Title
Top level directives and regulations		
DIR 2009/125/EC	21/10/2009	Energy Related Products Directive (codesign)
REG (EU) 305/2011	9/3/2011	Construction Products Regulation (CPR)
REG (EU) 2017/1369	4/7/2017	Energy Labelling Regulation
Implementation measures incl regulations and delegated acts		
(EU) 2015/1186 (EL)	24/4/2015	Energy labelling delegated act on Room heaters
(EU) 2015/1185 (ED)	24/4/2015	Ecodesign regulation on Room heaters
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Limit values:

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η_s [%] Seasonal Heating efficiency	CO [mg/m ³] (13% O ₂)	PM [mg/m ³] (13% O ₂)	NOx [mg/m ³] (13% O ₂)	C _{OGC} [mg/m ³] (13% O ₂)
≥65%	≤1500	≤40	≤200	≤120

Date: 31/01-2024



Lars U. Borch, **Lotus Heating Systems A/S**

WARRANTY CERTIFICATE

Lotus Woodburning stove - 10 year warranty

From 1 September 2014, Lotus offers a 10-year warranty instead of 5 years. This warranty applies to ovens delivered from Lotus after this date.

This warranty certificate covers Lotus stove model _____ with production number _____ purchased on _____.

The warranty covers normal firing, i.e. with ordinary split wood and pressed wood briquettes, and only if the stove is operated according to the instructions in the user manual.

The warranty covers the flawless operation of the stove and does not cover overheating damage, damage to paint, wearing parts and moving parts such as glass, shamol, stone, shaker grate, smoke deflector plates, gaskets, sliding dampers and closing devices.

The warranty is void if the stove is not operated in accordance with the operating instructions and if defects or similar are sought/repaired by a person not authorised by Lotus Heating Systems A/S. The warranty does not cover any damage caused by inappropriate, unauthorised use of the stove.

If a product is returned to Lotus Heating Systems A/S and it subsequently turns out that the damage is not covered by the warranty, the costs incurred shall be borne by the customer.

In the event of a warranty repair, the warranty period for the performed repair is not extended, but continues to follow the original warranty period.

This warranty certificate is only valid when completed and accompanied by the original invoice from the dealer. The warranty period follows the date of the invoice.

We wish them the best of luck with their new Lotus stove.

Sincerely yours

Dealer:



Lars U. Borch, **Lotus Heating Systems A/S**

Table 1

Model identifier: *
Indirect heating function: N.A
Direct heat output: * kW

Local heating
emissions at nominal
heat output

[x] mg/Nm³ (13%O₂)

Emissions from local
heating at minimal
rated heat output

[x] mg/Nm³ (13%O₂)

Fuel	Preferred fuel	Other suitable fuel(s)	η_s [%]:	PM	OGC	CO	NOX	PM	OGC	CO	NOX
Wood logs, moisture content ≤ 25 %	yes	No	*	*	*	*	*	NA	NA	NA	NA
Compressed wood, moisture content < 12 % (e.g. according to ISO 17225-3)	No	No									
Other woody biomass	No	No									
Non-woody biomass	No	No									
Anthracite and dry steam coal	No	No									
Hard coke	No	No									
Low temperature coke	No	No									
Bituminous coal	No	No									
Lignite briquettes	No	No									
Peat briquettes	No	No									
Blended fossil fuel briquettes	No	No									
Other fossil fuel	No	No									
Blended biomass and fossil fuel briquettes	No	No									
Other blend of biomass and solid fuel	No	No									

Heat output	Symbol	Value	Unit
Nominal heat output	P name	*	kW
Minimum heat output	P min	N.A.	kW
Auxiliary power consumption			
At nominal heat output	max power	N.A.	kW
At minimum heat output	el min	N.A.	kW
In standby mode	Electricity SB	N.A.	kW

Fuel efficiency (Based on the net calorific value (NCV))	Symbol	Value	Unit
Fuel efficiency at nominal heat output	$\eta_{th,nom}$	*	%
Fuel efficiency at minimum heat output	$\eta_{th,min}$	N.A.	%
Permanent pilot flame power requirement			
Pilot flame power requirement (if applicable)	Ppilot	N.A.	kW

Type of heat output/room temperature control

Single-stage heat output, no room temperature control	No
two or more manual stages, no room temperature control	Yes
with mechanic thermostat room temperature control	No

with electronic room temperature control	No
with electronic room temperature control plus day timer	No
with electronic room temperature control plus week timer	No

Other control options

room temperature control, with presence detectors	No
room temperature control, with open window detection	No
with distance control option	No

*See Declaration of conformity and technical data for the stove