

Haljas Houses

User Manual

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Foreword

At Haljas Houses, we are striving to offer and deliver excellence through our products and services. Therefore we'd like to congratulate and thank you for favouring the lifestyle of Haljas!

Please take time to carefully and thoroughly read and understand the complete content of this User Manual prior to delivery, installation, use, care and maintenance of your sauna for the first time. Furthermore, we recommend keeping the User Manual for regular review and future reference.

This User Manual provides the necessary directions and recommendations for installation, safety, use, care and maintenance for ready-made, plug and play Haljas sauna buildings intended for outdoor use.

Sauna parameters

Metrical

	Weight (kg)	Heater stones (kg)	Area, sq. Meter	Height, mm	Length, mm	Width, mm	Legs, pcs	Heating time °C/hour
Hele Mini	710	Drop 90	2.35	2550	1600	1600	5	80
Hele Single	1260	Hive mini 160 Cozy heat 120	4.087	2550	2250	2250	6	40
Hele Double	2200	Hive mini 160 Cozy heat 120	8.818	2550	4380	2250	10	40

Imperial

	Weight lbs	Heater stones lbs	Area, sq. feet	Height, inch	Length, inch	Width, inch	Legs, pcs	Heating time °F/hour
Hele Mini	1566	Drop 199	25.3	100.4	63	63	5	176
Hele Single	2778	Hive mini 353 Cozy heat 265	44	100.4	88.6	88.6	6	104
Hele Double	4851	Hive mini 353 Cozy heat 265	95	100.4	172.5	172.5	10	104

Before delivery

Site access

Before placing the order for your sauna, please make sure there is a road to access to your desired place for the product. We recommend discussing this with your local authorised Haljas Houses retailer.

Permits & ground preparations

Always make sure that the planned space does not go against any building laws or local fire department's requirements in case of a wood-fired heater.

The soil underneath the sauna should be removed and replaced with a well-drained and load bearing material (splinters, gravel, sand). We recommend you have the plot inspected by a qualified architect or building engineer prior to proceeding. You are also most welcome to turn to your local authorised Haljas retailer for advice. A drawing for the dimensional layout of the foundation would have been sent to you after confirmation of purchase, alternatively available from the following QR code:



Place 23 5/8" x 23 5/8" x 2 3/8" or similar concrete tiles horizontally on the ground in accordance with the sauna leg scheme.

Depending on the circumstances, it is also possible to install the sauna on a pre-existing surface (terrace, roof, stone pavement) or use other foundations (concrete posts, screw pegs). It is important to ensure that the surface is load-bearing and there is enough space for ventilation underneath the sauna. Existing legs at their minimum distance provide the minimum gap underneath the sauna which is required for optimal airflow and should always remain as is. In addition, it is important to limit the growth of flora underneath and around the sauna in order to minimize any defects from moisture.

If you choose to install your sauna on a patio or a deck, please make sure that it is capable of supporting the weight of a full sauna, including the weight of the number of people your sauna has been designed for. Weights and dimensions can be seen under the section "Sauna parameters".

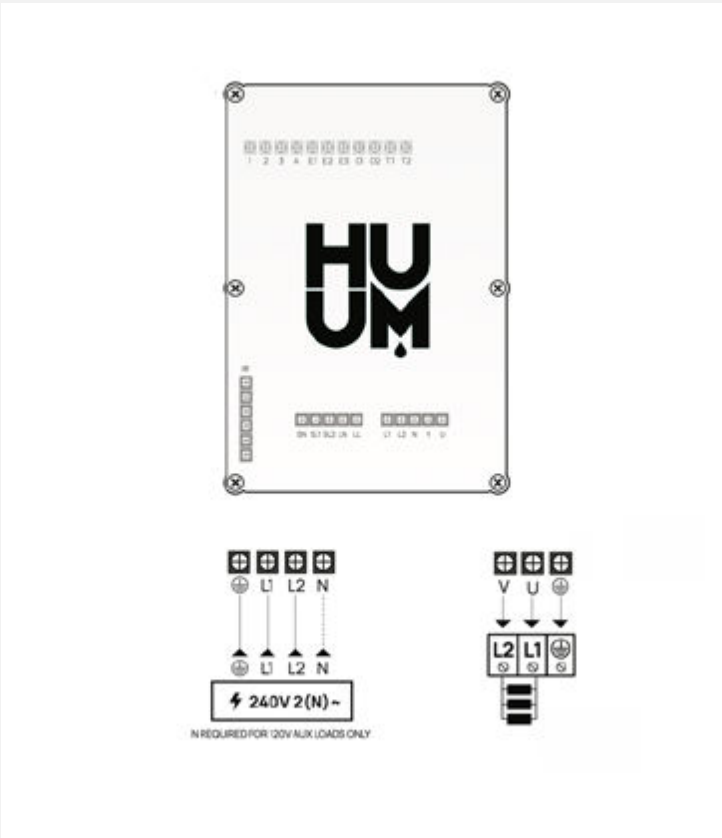
Electrical requirements

Only a certified electrician may connect the sauna and the heater to the power supply.

The power cable of the heater must meet the requirements of UL 62 in the US and CSA 49 in Canada.

It is forbidden to use a PVC-insulated non-heat-resistant cable as the power cable of the heater.

It is recommended to connect the unit to the mains power supply without an earth leakage circuit breaker.



Sauna	Heater	Input voltage (V)	Power rating (kw)	Required circuit breaker (A)	Required cable (AWG)
Hele Mini	Drop 9	208	6.75	40	8
Hele Mini	Drop 9	240	9	50	8
Hele Single	Hive Mini 11	240	10.6	50	6
Hele Double	Hive Mini 11	240	10.6	50	6

Delivery day

Lifting & unloading

Whether your sauna is transported in a closed truck or an open trailer, there are two options for unloading:

1. When using stationary top eye nuts make sure that all eyes are safely hooked and minimum effective length for your model is applied.

Model	Effective length (m)	Effective length (ft)
Hele Mini	1,2	4
Hele Single	1,7	5,5
Hele Double	2,5	8



2. When using a forklift and lifting the sauna from underneath, make sure to only lift from the designated lifting spaces and that your forks extend over half of the diameter.

Unboxing

1. Removing wooden crate

You will need a ladder, a cordless drill and a 24mm (15/16") wrench.

Depending on the circumstances you can either move the sauna from the truck to its final location while still inside the protective package (this might be reasonable in case of different obstacles

like trees or bushes which might damage the sauna on the way), or if the path is clear, the wooden crate can be removed when the sauna has been taken off the truck.

Please carefully follow the instructions to make sure the package removal is safe:

1. Remove the top veneer by unscrewing all screws.
2. Remove all veneer sides.
3. Detach the stainless legs from the bottom and keep them nearby.
4. Use the wrench to undo all nuts under the bottom (see designated areas).
5. Lift the sauna from top eye nuts high enough to enable access underneath.
6. Attach all legs to the sauna and make sure they are all set at the minimum height.

2. Removing wrap & cardboard

To remove the wrap and cardboard, you will need a ladder and a knife or a pair of scissors.

1. Start at the bottom by pulling the wrap away from the sauna while cutting the plastic.
2. Continue cutting the wrap all the way to the top.
3. Do the same on the opposite side of the sauna.
4. Pull the plastic off.

5. Remove all tape and cardboard.
6. Where necessary, clean any tape glue left on the glass.

Inspection

Please inspect your delivered sauna in two phases:

1. When the sauna arrives, check for any possible transportation damage on the package and in case of visible dents or hard scratches, take a photo. In the event of transport damage it must be reported directly to the transport carrier upon receipt of the sauna.
2. When you have removed all packaging, inspect the product thoroughly. If any defects are evident, take photos. Also check whether anything on the delivery documents is missing. If something is missing from the order, the product is damaged or there appears to be malfunctions, notify your local authorised Haljas retailer within two weeks of the delivery. Complaints must be in a written form and include photographs and/or videos of the damage, defect or malfunction. For your safety, in the event of a malfunction regarding the use of sauna, the sauna must be unplugged immediately.

Installation

1. The sauna is lifted from stationary eye nuts on the roof. When lifting the sauna, make sure all eyes are correctly hooked. Pay attention to minimum effective lengths.

2. After the lift, check that the connections between hooks and the roof cover are still hermetic. When necessary, improve compression with a roof sealant.

3. Make sure the legs are correctly placed on the surface.

4. Level the sauna horizontally using the adjustable legs. Leave a 1% decline towards the water runway on the roof. This is to provide proper water drainage from both floor and ceiling.

5. Due to extreme weather conditions in some locations, it might be necessary to fasten the legplates to the foundation. In case your area is known for high winds or storms, please get in touch with an engineer for location specific calculations.

6. Install a door-stopper if you have strong winds in your area.

Electrical connections

Bring the power cable to the sauna in accordance with the heater manufacturer's manual. All electrical work must be done by a local certified electrician.

Before any electrical work can be carried out, make sure that the incoming main cable is switched off and it is safe to work.

Use this QR code for instructions on how to access the internal electricity box and where to bring in the cable:



Heater & Stones

Hele Mini - Stones are located underneath the bench and can be accessed by removing the skirting between two platforms. Carefully lift it up and place it on the top bench.

Hele Single - Stones come in a custom U-shaped box which will be inside the sauna. Take the air tunnel out of the heater and remove the cardboard box. Follow HUUM instructions before putting it back in. Carefully remove the lid of the stonebox and start placing stones inside the heater.

Hele Double - Stones are located in the storage area underneath the changing room bench.

Place the sauna stones in accordance with the instructions of your specific sauna heater which is inside your delivered sauna. Alternatively you can see the manual using the QR-code provided.



Never use the heater without stones. Before carefully placing the stones into the stone space of the heater, wash a possible layer of stone dust off the stones. Pile the stones between the heating elements (resistors) so that the stones support one another and their weight is not supported by the resistors. The stones must completely cover the resistors but when piling the stones make

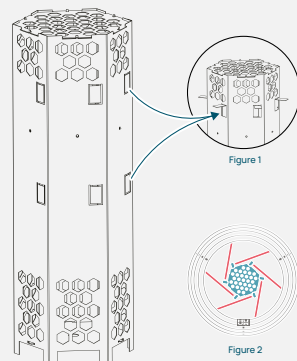
sure that the resistors do not get bent. Place the stones loosely enough that air can circulate sufficiently through the heater.

Stack the heater stones by layers – start from the bottom of the heater and move towards the top. Stones should also be placed between the heating elements. If you first place the stones on one side only, the heating elements might deform or break. Start with bigger stones, and use smaller ones for filling the round parts of the heater and places where there is less space.

Heating elements should not remain exposed. Leave sufficient gaps for air movement between the sauna stones, and don't place stones too tightly around the heating elements. Ensure that the heating elements are completely covered and not visible from the exterior surface of the sauna heater. This is important as throwing water directly on the heating elements might damage them. It will also reduce the quality of the steam. Water should evaporate from the sauna stones and not from the heating elements. The top layer of sauna stones should be as dense as possible – this is where the heat arising from below accumulates.

Installing HUUM Air tunnel

- Bend all the metal clips* to a 90° angle, as shown in Figure 1.
- Install an air tunnel between the heating elements of the heater. Figure 2.
- Fill the heater with stones according to the instructions given in the HIVE electric heater manual.
- The air tunnel supports the heating elements, creates efficient air movement in the heater, and speeds up the heating of the sauna room.



your first bathing session.

First heating

We recommend the first heating be done without people inside the sauna. Whether your sauna has an electrical or a wood burning heater, the first heating is meant to burn off any possible residual coatings or impurities from the manufacturing process. Heat up the sauna for at least 2 hours before thoroughly ventilating the sauna.

In case you have ordered the juniper ceiling panel as an optional extra, keep in mind that it can have quite an intensive odour for the few first sessions.

After ventilating the room(s), you may heat up the sauna to the desired temperature, pour some water on the stones and enjoy

Usage

Safety

Although moderate sauna bathing appears to be safe and healthy for most people, a person with a medical condition might need to speak to a doctor beforehand. When in doubt, please also contact your general practitioner.

Avoid sauna bathing if you are feeling unwell. The sauna is not intended for use by people with reduced capabilities, or lack of experience and knowledge of sauna bathing, unless they have been given supervision or instruction concerning use of sauna by a person responsible for their safety.

If you are a regular contact lens wearer, for your own safety please remove the lenses before entering a heated sauna.

Children must use the sauna under the supervision of adults. The rule of thumb when it comes to sauna bathing is to not overdo it. Pay attention to how you feel. If you feel dizzy, exhausted by the heat or unwell during a session, exit the sauna and lay down. Especially, if you are not yet used to sauna bathing, you should limit your first sessions. As you get used to the heat, you can slowly increase the time spent in the sauna. Drinking plenty of water is highly recommended for replacing the fluids lost from sweating. You should regularly check the security and safety of your sauna, including but not limited to, making sure that the heater and benches are in good condition and securely in place.

Do not use chemicals inside your sauna as you would be breathing them in when the sauna heats up. Always carefully follow the safety instructions of the specific sauna heater. Nev-

er place anything on top of the heater and double check that before turning the sauna on. Do not allow towels or any other flammable material to come into contact with the heater as it could catch fire. To avoid fire, do not dry clothes or leave any towels or other textiles in the sauna.

Do not use the heater without stones as that poses a fire hazard. You should be extra careful in the vicinity of the hot heater, because the stones and metal parts of the heater may cause burns. Always exercise extra caution when moving around the heater. Do not sleep in the sauna.

To clean the interior of the sauna, do not use detergents other than those specified. Detergents containing chlorine, benzene or strong cleaning chemicals must not be used, because they are harmful to health when they evaporate. Similarly, if the interior surfaces of the sauna are retreated, follow the directions of use and safety of the manufacturers of the substances, including directions of ventilation after applying a substance and when the sauna may be used again. For the interior retreatment, only use substances that are safe and comply with the directions. If you are unsure, contact your authorised Haljas retailer for advice. Regularly observe both the exterior and interior of the sauna that there are no damages which could be detrimental to safety.

Ventilation

Electric heaters

All Haljas electrical saunas have mechanical ventilation which is operated from the UKU control panel. A double-click on the button turns on lights and ventilation simultaneously.

The ventilation should be turned on 10 minutes prior to sauna bathing and run throughout the session. We recommend that the ventilation be left on for another 30 minutes after the session in order to dry out excess humidity.

Wood-burning heaters

All wood-burning heaters regulate the ventilation by themselves.

General tips

1. In electrically heated saunas, turn the ventilation on 10 minutes prior to sauna bathing. Leave it on throughout the session and for another 30 minutes after.
2. Try using the sauna at different temperatures to find what is most suitable for you.
3. Most health benefits are associated with rising body temperature which is easier to achieve by staying longer in moderate temperatures rather than shorter periods in extreme heat.
4. Regulate the humidity in the sauna by throwing water on the stones.
5. In between, before and after the sessions, drink plenty of water.
6. After each sauna session, it is recommended to dip into water or have a quick shower, as this prevents your skin from reabsorb-

ing the toxins released through sweating.

7. Use towels for sitting. This is a good practice for making sure your sauna interior stays beautiful and hygienic.
8. The door has a sensor which will turn the heater off automatically if the door is left open for a longer period. In case the heater.

Operating the control unit

- To turn on the control panel, start or end the heating, press the button once briefly.
- During heating, the heating icon will appear above the temperature value.
- The screen is always active during heating.
- When you use the mobile app, it is possible to choose the heating period based on the controller settings.
- From the settings menu of the control panel you can choose between heating times of 3; 6 hours for private saunas, 12 hours for semi-public saunas and 18 hours for public saunas.
- After the heating ends or after pressing the button, the control console will turn off.
- The number displayed in the upper right corner of the screen is the target temperature of the sauna. The current temperature is displayed in the centre of the screen. Turn the knob to adjust the temperature.

- To get in the settings menu, press and hold the button for 10 seconds.

- From the settings menu it is possible to choose between °F or °C

- A lighting function can be selected from the settings menu.

When the lighting function is selected, the light is turned on and off with two quick button presses. Ventilation is operated with lights simultaneously.

Care & maintenance

When using the heater and the control unit, refer to the user manual provided by the heaters' manufacturer.

Throw water only on the heater and not on the walls or the platforms.

To keep the platforms looking fresh, we advise using seating pads or towels on the bench.

Avoid sitting on the platform in wet swimwear.

Keep an eye on the stones as they might break down in time. Replace old stones with new ones or add new stones. Avoid using non-compliant cleaning agents. For example, disinfectants bleach the wood surface and may ruin it.

After using the sauna, ventilate the room and allow the surfaces to dry.

Wipe off the platform with a clean, damp cloth. Keep excess wa-

ter from pooling on wood surfaces. Do not use a stream of water to wash the platforms.

Remove seating pads or towels from the benches after each sauna session

The door must be closed to prevent wind from breaking it when not using the sauna. The safest way is to lock it.

At least once a year

All visible wooden interior surfaces have been previously finished twice with a clear water-based sauna wax.

The wood in the sauna should be refinished with a sauna specific compound (recommended to use water-based wax) every once a year when it comes to commercial or heavy private use.

Remove all platforms and clean the bottom of the sauna with a product meant for wooden surfaces. Do the same with all platforms and wooden details.

For tough stains and soiling, the platform surface can be cleaned gently by using fine-grade sandpaper. The platform or sanded surface should then be refinished.

What to avoid

Drying textiles such as carpets and clothing etc as this may pose a fire hazard. Excessive moisture may also damage the surface of the wood.

Heating the sauna to a temperature beyond the specifications of the sauna and heater manufacturer. Excessive heat may cause the wood to warp or pose a fire hazard.

Pressure washing or using a stream of water to clean the sauna, as excess moisture may permanently damage the wood surface and structures.

Properties of the wood

Wood is a natural material and temperature changes may cause its surface to crack or bend. This risk varies according to material and intensity of use (it is minimal in the case of heat-treated material and home use).

Avoid leaving the door open for longer periods. All glass panels in our sauna block 95% of the UV-rays. Exposing the interior to sun may cause discolouration of wood.

Heat-treated material may give off a particular smell when a new sauna is heated, but it will fade over time.

Glass maintenance

Cleaning frequency depends on the surrounding environment and your own needs. Usually, two times a year should be enough.

To begin with the cleaning process, soak the glass with clean water and neutral cleaning compound solution by using a soft sponge or cloth. Clean a small area at a time. Apply the solution

evenly in circular motion and then rinse the glass with clean water. Ensure that the cleaning solution is washed off completely.

For drying, use a clean and dry cloth or sponge. To avoid scratches, make sure that the cloth does not have any debris or metal on it.

Water drops from lawn sprinklers often reach the glass as well. The minerals in the water might attach onto the glass and when not cleaned it might result in permanent damage. The only solution then would be replacing the glass.

Door adjustment

You will need 2 people and a set of allen keys.

Only adjust the door when necessary. This is a two-man job as one will have to hold the door while the other is (un)tightening the screws. Firstly, remove the covers 1 (fig.1) and then loosen up the screws (fig.2) but do not take them out. Make necessary adjustments and tighten the screws. Only tighten by hand and do not overturn the screwheads!

Fig.1

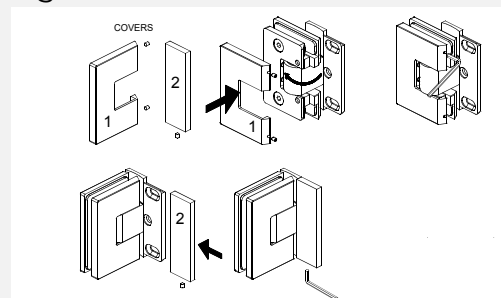
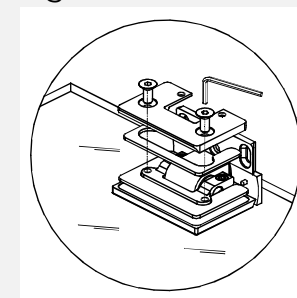


Fig.2



Platform removal & maintenance

Wash the sauna bench with warm water to open up the wood grain so the dirt comes off more easily. In the same way clean the backrests and especially those parts of the walls that have been leaned against. Choose a soft brush and scrub the benches, backrests and walls along the wood grain. Stubborn stains and small scuffs on the benches and backrests can be removed gently with fine sandpaper. Clean the dust. Finally wash with cold water to close the wood grains, and dry the wood with a cloth and by turning on the heat for a period of time.

Some discoloration might take place over time. Dark blue or black discolouration means that the wood has been left wet and not allowed to dry properly. That may happen, for example, if the sauna bucket is left on the bench. You can try to remove the darkened spot with gentle sanding and refinishing.

When deciding to refinish the interior details, we recommend that you apply all the sanding and finishing to all the same type of details. That ensures you that the details will remain the same shade of colour. We also recommend that the sanding and refinishing takes place outside of the sauna. To remove all removable platforms and details just follow the dismantling instructions for your model:

Mini

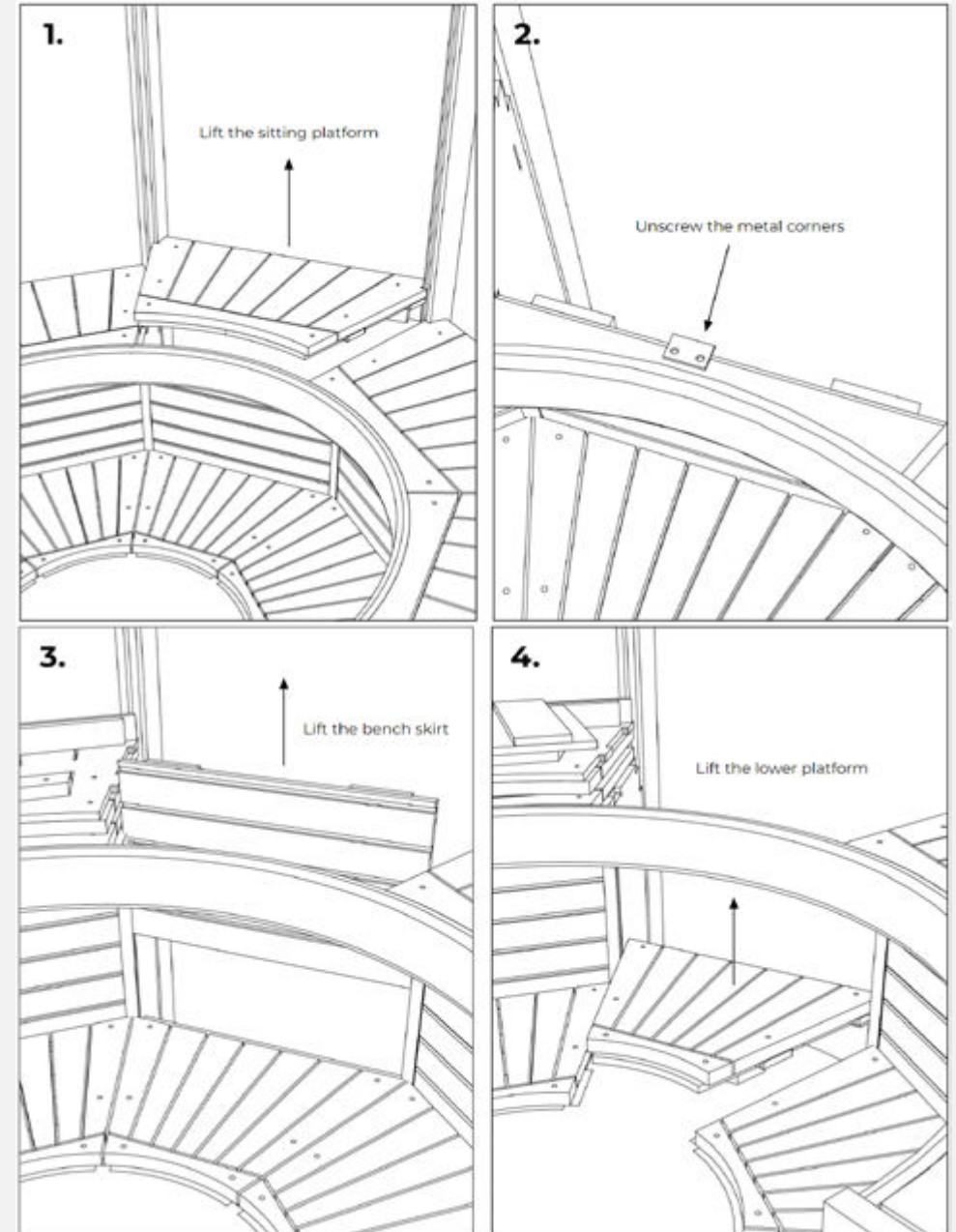
- The skirting between two platforms can be easily lifted up.
- All floorboards can be removed by undoing the visible screws between the boards.

Single / drawing p.26

- Take out the upper sitting platforms by lifting them up from the back.
- Unscrew the metal corners that are holding the skirts of the bench upright.
- Take out the bench skirts.
- Take out the metal embedding flange of the heater.
- Take out the lower/smaller platforms by lifting them up (the second step of the stairs platform is attached with screws from the sides).
- Take out the upper stair skirt.
- Unscrew the details from under the electrical box and the cupboard.
- Take out the HUUM panel.
- Take out the lower stairs platform module.
- The backrests are all removable - simply lift them up.
- In case of a wood-fire Single, the floorboard is removable by unscrewing it from the visible screws between the boards.

Double / drawing p.26

- Take out the upper sitting platforms by lifting them up from the back or using a screwdriver through any of the holes provided in LED detail underneath the bench - simply push up through the hole.
- Unscrew the metal corners that are holding the skirts of the bench upright.
- Take out the bench skirts.
- Take out the metal embedding flange of the heater.
- Take out the lower/smaller platforms by lifting them up (the second step of the stairs platform is attached with screws from the sides).
- Take out the upper stair skirt.
- Unscrew the details from under the electrical box and the cupboard.
- Take out the HUUM panel.
- Take out the lower stairs platform module.
- The backrests are all removable - simply lift them up.
- All floorboards are removable by unscrewing them from the visible screws between the boards.



FAQ

My sauna roof rubber has air bubbles.

This is not a defect of the sauna. The EPDM membrane is glued down to the roof panel and the air bubbles may appear when the membrane gets hot with sun exposure. Air bubbles underneath the membrane will clear themselves with time.

The wind broke the door of my sauna/ I cracked the door of my sauna.

Contact your local authorised Haljas retailer and place an order to buy a new door with an installation service (if necessary).

Mirror glass is broken.

Contact your local authorised Haljas retailer and place an order to buy a new glass with an installation.

A wooden detail has cracked inside my sauna.

We cannot control the behaviour of the wood. It might happen over time as a result of unstable humidity & temperature, the grain of the wooden details. You should always try to prevent the case and take care of your interior details (especially the platforms). We highly recommend that you sand and wax the platforms once every two years. In case you would like to get a replacement then all platforms can be ordered as new - just con-

tact your local retailer.

How often do I need to clean the glass? What type of substance to use?

We recommend cleaning the glass at least twice a year. Maintaining the crystal clear visual appearance can be harder outside due to various reasons: rain and sun combination (UV), air pollution - acid rain, springtime pollen etc. At Haljas we use and recommend you to use *Würth Active Glass Cleaner*.

How often do I need to clean the sauna floor?

We recommend that you take out the bench platforms & floor rests and clean the floor at least once a year. Do not use any chemical as the floor is finished with a strong varnish. Clean up the floor using clean water.

The heater of my sauna has broken down / I don't know if my Huum controller is broken.

Contact your local authorised Haljas retailer and explain the situation as clearly as possible. Further management depends on the exact situation. Check if your sauna has the door sensor in place. The electrical heater stops working automatically if the door is open for more than 5-10 seconds. Haljas wood fired saunas do not have a door sensor.

The stones of my sauna heater are becoming fragile / I need to replace the stones of the heater.

There are many variations for the stones on the market. We recommend you contact your retailer to order new ones.

The birds are attacking the sauna / flying against the glass.

Try using the bird collision prevention stickers on the glass. There are many various bird stickers available online. Haljas is not responsible for such actions and consequences of any kind.

The door lock is broken / I lost my door keys of the sauna / I broke the door handle.

Contact your local authorised Haljas retailer and place an order to buy a new one. The warranty will be void in case of an independent fixing of the product or applying unauthorised modifications to the sauna.

The door of my sauna is not leveled / How can I adjust the door of my sauna?

Look up the instruction guide provided in the Care & Maintenance chapter, in the Door Adjustment subsection.

Can I bring my phone to the sauna?

Do not bring any electronic devices into the sauna when it's heated. We are not responsible for any of such kinds of actions and consequences.

What kinds of sauna oils and substances can I use?

Using any type of sauna oils is your own responsibility. Using sauna oils can cause allergic reactions. We are not responsible for any consequences. We recommend researching first and trying out different products and brands that suit you best.

How long should the sauna session be?

The time spent in a sauna is very subjective. Some people might enjoy taking longer sessions, some prefer quick ones. You should always be careful and pay attention to how you feel during a session. We are not responsible for any physical reactions that might occur taking a sauna bath. For further information look up the instruction guide provided in the Usage chapter, in the Safety subsection.

Warranty

The warranty for Haljas Houses products' material and manufacturing defects applies for **24 months**. Heaters have their own warranties and requirements. If you have any trouble with your heater, look up the heater manual provided along with the sauna.

The warranty applies on the prerequisite that the product is being used and cared for according to the manufacturers' manuals.

To receive the warranty, the claim sheet must be filled out completely and sent via email.

Attention! In case of a commercial use, the warranty applies for 6 months.

Conditions

The warranty does not cover naturally occurring and expected characteristics of wood materials (differences in wood grain, knots, slight variations in tone) and phenomenons that occur naturally during use of the product (shrinkage and expansion due to temperature and humidity, moderate deformation).

The warranty does not cover natural wear and tear that occurs during the intended use of the product.

The warranty does not cover man-made injuries to the product. Surface cracks are not considered defects in material or workmanship, as they are normal characteristics of all wood.

The warranty does not cover injuries or defects caused by the use of wrong cleaning compounds or methods.

The warranty does not cover indirect costs such as a reconstruction or a removal of a terrace beneath the sauna.

The warranty will be void in case of an independent fixing of the product or applying unauthorised modifications to the sauna.

In case of any issues concerning the warranty, please contact the manufacturer or distributor immediately.

Warranty claim sheet

Please find the online warranty claim via the QR code provided below.



