

Product specification

Sauna7 - a wood-fired sauna on wheels, handmade in Sweden. Suitable for 6 sitting bathers and one fire burner. Luxurious if you are only two bathers, then you can lie down and stretch out. You can even move up the two foot boards to widen the benches. The walls are built of "Norrlandsgran" Swedish white spruce (*Picea abies*), that grew north of the polar circle. The heating time to 70 degrees Celsius is approximately only 30 minutes.

Features: The roof is asphalt shingle on a 30 mm air gap. The air intake and water drainage is an opening along the bottom of the barrel, and the ventilation goes out through the ash hatch and chimney. Two outside "mailboxes" have wooden hatches from inside the sauna, to conveniently reach fire wood and drinks. The doors have stoppers and steel spring closers. Dalecarlia blue lasur paint (nr---) and white linseed paint (nr---).

Wood burning heater with tank for steam and hot water. Special twin flame circulation system. Hot water tap on the side. One of the best wood-fired sauna heaters in the world: *HELO 18 ES Blackline* (made in Finland).

Electrical stainless water heater, *Mobitherm Nautic Boiler*, by *Waeco*. Grounded 220V male connector outside. 22 liters heated water, gives approximately 50 liters shower water. Shower faucet with blender. One *Ballofix* isolating valve, ending with 3/4" (BSP) male thread tap connector (a male bayonet connector here, fits *Gardena*, *Hozelock* etc) Water drain elbow for a 32 mm hose connection. Oil treated surfaces in the locker/shower compartment for easier cleaning.

Solar energy lighting. The solar cell automatically charges the battery from the light of the sun, even if it is partly cloudy. The switch for the lights is located under the first seat to the left.

Trailer: 3 mm steel, 50x95 mm. The steel frame is 300 cm straight length, plus the bridge to the pulling hook. The frame is 150 cm wide with three 125 mm base brackets. The hubs of the wheels are 22 cm outside of the frame (=total of 194 cm width btw the hubs). Tyres: *Klebér*, 185/65, R14.

Design and quality by *Olayaselection* in Visby on Gotland, Sweden.
All Sauna7 are manually custom made in Sweden.

Measures

Trailer end to end, length485 cm
Outer walls, length:348 cm
Sauna part, bench length:200 cm
Locker/shower part, bench length ..100 cm
Bridge length83 cm
Coupling head, length34 cm
Bridge height53 cm
Total height285 cm (including chimney top, total 350 cm)
Sauna diameter:235 cm

Sauna volume:8,3 m³ (cubic meters)
Sauna area7,8 m²
Maximum number of seats:6

Bench width43 cm
Extension/foot boards, width9 cm
Extension/foot boards, length140 cm
Outside fire wood boxes, size47*50*32 cm (width*height*depth)
Inside hatches, size22*20 cm
Walls36 mm, u-profiled
Glass in doors and windows:7 mm security glass

Solar cell
Halogen soft lights2 peaces
Heavy duty battery12 Volts

Total weight1 300 kg
- sauna:900 kg
- trailer:300 kg
- burner:60 kg plus rocks 30 kg
- boiler:10 kg

Helo 18ES Blackline Burner

Optimal air volume8-18 m³ (cubic meters)
Effective output18kW
Max fire logs50 cm
Water tank22 liters
Volcanic sauna rocks30 kg
Stainless chimney, diameter:115 mm
Heavy-duty firebox cover8 mm thick

Included accessories

One wooden sauna bucket with plastic lining
One wooden sauna ladle (scoope)
Two wooden head supports
One box of fire wood
One fire tong
18 wooden clothes pegs
Three padlocks with the same key
Handmade, dried “bastukvast” in spring birch. (Soak in water before use!)
Sauna thermometer
Sauna hourglass, 15 minutes
Sauna humidity gauge

Get started!

First, please read the security advice! Then, still before your first sauna bath, you need to “burn off” the wood burner and chimney: Put water in the tank and make one big fire with the doors open to let out any occurrence of smoke. It may smell unpleasant, but it is harmless. Of course if the burner is already burnt once, this procedure is not necessary. After 30 minutes of a good fire you can put in more wood and start enjoying the first sauna bath!

How the barrel sauna works

In a square-shaped (“normal”) sauna, the hot air is pushed upwards and stays in the ceiling. The heat is then slowly building up downwards. In electrical saunas you often have a ventilation at a high point to let out of this hot air.

In a round sauna there is no ventilation in the ceiling. The hot air is pushed upwards, and then circulates down along the round walls and into the burner and chimney through the open ash hatchet, or into the gills of the burner, where it heats up more and circulates again. New air comes in through an opening in the bottom of the barrel.

This self-circulating principle creates an outstanding distribution of the heat and of fresh air in the sauna.

Please note/Security advice:

Danger/Warning: Any connection of external water and or electricity over 12 Volts, may only be executed by authorized personnel! In that case, all connections must be checked before usage to meet the security regulations of your area.

Before towing, check regulations regarding maximum towing weight for your car, towing rules, required drivers license and insurances. Make sure to have at least a 50 kg “nose weight” for the trailer (between the coupling head of the trailer and the tow ball on your car), and that the jockey wheels are uplifted. The basic version of the trailer is without brakes and thus it may only be towed at maximum 30 km/h (European Union). For faster towing a certification and registration of the trailer is needed. If you plan on towing far or fast, it might be advisable to pay extra for a trailer that has brakes fitted, then you may drive it at 80 km/h. Please check with the local traffic authorities regarding rules for loading and towing.

The white spruce is a living material. It may change in size due to changes in weather etc. to protect the barrel from drying out, leave a bucket of water standing in the sauna, and close the ash hatchet to minimize air circulation. In case of long periods of dry weather, you might need to tighten the barrel. If the steel hoops move at all by hand power, it's time to tighten three nuts on the double-ended spanner under the barrel. Use a 18 mm wrench. Later, in more moist weather, you can open them again. Common variation is 2-3 cm.

Given measures in this specification are norms, and may vary.