

emotion of sauna.



Assembly instruction and user's manual

Z6



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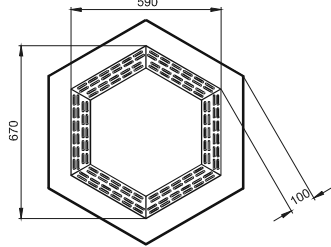
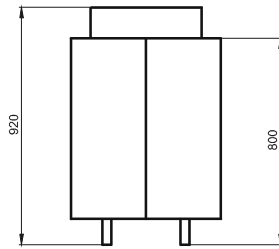
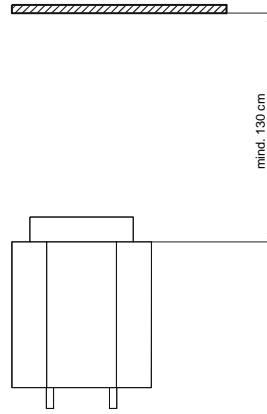
Important notes

During the operation of your sauna system, extremely high temperatures will occur in the cabin and especially in the area around the oven. If assembled incorrectly, the system will present a fire hazard. Please read this installation guide thoroughly. It is especially important to consider applicable dimensions and observe the following instructions:

- This device has not been designed for being used by persons (including children) that are physically or mentally handicapped or have sensory disabilities. Moreover, it is not allowed to use this device without sufficient experience and/or knowledge, unless these persons will be supervised by persons responsible for their security or in case they have been instructed how to use this device.
- Children are to be supervised in order to make sure that they do not play with this device.
- The sauna oven is intended only for a supply voltage of 400 V 3 N AC
- The installation and connection of the sauna system and other electrical equipment must be done only by a expert. In this regard it is especially important to meet the required safety precautions in accordance with VDE 0100 v. §49 DA/6 and VDE 0100 part 703/2006-2
- The minimum height of the sauna cabin must be 2.10 m on the inside.
- Only a sauna oven with the appropriate heating capacity may be installed in the sauna cabin.
- Air intake and exhaust must be provided in every sauna cabin. The air intake vent must be channeled via shaft, pipe or similar construction below the oven. If required, forced ventilation must be provided.
- The exhaust vent is placed on a suitable wall in the lower area. The air intake and exhaust vents may not be closed.
- The cabin lighting must be installed with the corresponding mounting, so that it is splash-proof and able to withstand a surrounding temperature of 140° C. Therefore, only a VDE-inspected sauna lamp of 40 W maximum may be installed for use with the sauna oven.
- For the adjustment and control of the sauna oven, one of the control units mentioned later must be used. This control unit must be attached to a suitable location on the outer wall of the cabin or the engineering room, the associated sensor housings in the interior of the sauna cabin in accordance with the installation guide which accompanies the control units.
- **Installation of the sauna lamp:** Because the sauna lamp is a heat source in itself, the wood behind the lamp can reach unacceptable temperatures when installed in an unfavorable location. Therefore the position of the lamp must be chosen so that the lamp is not in the area over the sauna heating unit.
- The sauna system (sauna oven, control unit, lighting etc.) may be hard-wired to the power source only by a locally certified electrician. All connecting lines which are on the inside of the cabin must be able to withstand a surrounding temperature of at least 140°C. For practical purposes, silicone lines should be used. If single-wired cables are used as connecting lines, they must be protected by flexible metal tubing. The minimum diameter of the connecting lines is listed in the circuit diagrams below.
- During the installation of the sauna oven, make certain that the vertical clearance from the upper edge of the sauna oven to the sauna ceiling is at least 130 cm, and that the horizontal (lateral) clearance between

the oven and the cabin wall or other flammable materials is at least 10 cm. It is important to make sure that the floor does not consist of an easily flammable material (wood, synthetic flooring or similar material). Ceramic tiles or similar materials are practical in the area of the sauna.

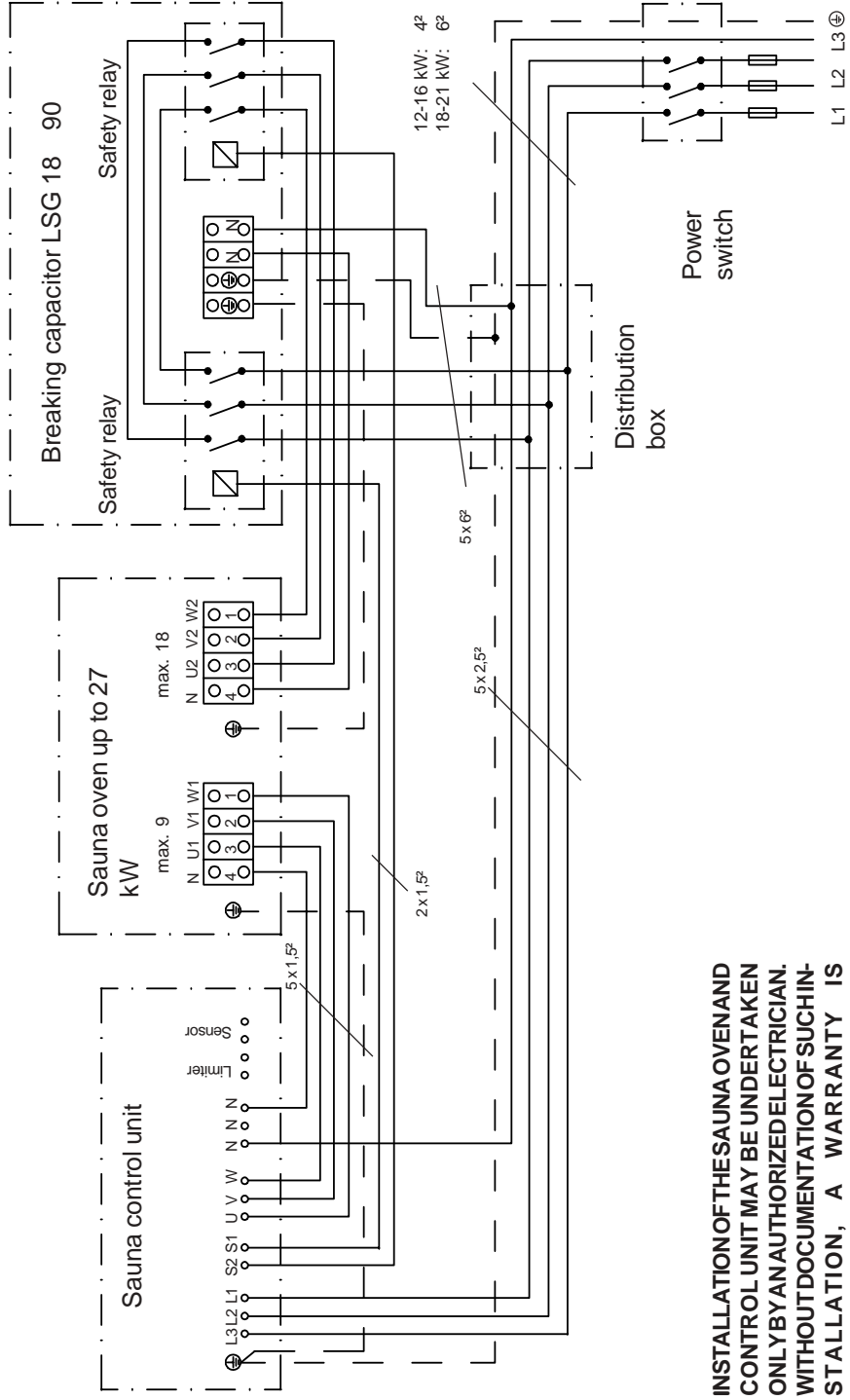
- The clearance between the oven safety grid or recliner bench and other flammable materials and the oven must be at least 10 cm. The safety grid height must be equal to the oven height.
- **Caution:** Covering of the oven or not filling stone receptacle according to directions constitutes a fire hazard.
- On the surface of the unit, there are exposed hot areas which can burn the user if touched.
- Do not turn the oven on when air intake vents are closed.
- The sauna oven is not designed for installation or placement in a niche.
- Minimum clearances listed in the following sketches must be observed!



PLEASE BE SURE TO NOTE!

DO NOT STACK THE STONES IN THE STONE RECEPTACLE OF THE SAUNA OVEN IN LAYERS; STACK THEM LOOSELY INSTEAD, LEAVING AS MANY SPACES AS POSSIBLE TO ALLOW THE HOT AIR TO CIRCULATE.

Wiring diagram for sauna ovens 12-27 kW with load balance on the control unit and breaking capacitor



INSTALLATION OF THE SAUNA OVEN AND CONTROL UNIT MAY BE UNDERTAKEN ONLY BY AN AUTHORIZED ELECTRICIAN. WITHOUT DOCUMENTATION OF SUCH INSTALLATION, A WARRANTY IS FUNDAMENTALLY INVALID.

Instructions

Leakage current on sauna heaters

For the installation of sauna heaters, please pay attention to the DIN VDE 0100 part 703 !

This norme states in the latest issue valid since June 1992 under modifications paragraph (f); quote:

The demand for protection against leakage current for equipment of protection class I alternatively to protective low voltage has been dropped. The EN 60335-1 DIN VDE 0700 part 1 of January 2001 states the following in paragraph 13; quote:

*The leakage current may not exceed the following values during operation:
- for stationary heaters of protection class I 0,75 mA; or 0,75 mA each kW input of the appliance, depending on the higher value, at a maximum value of 5 mA.*

If the appliance is equipped with a protective device for leakage current (ELCB), please pay attention to the fact that no other electrical units will be protected by this ELCB.

Under current manufacturing methods, it is not yet possible to produce tubular heating elements for sauna heaters which do not attract moisture on each end from the surrounding air.

Therefore, should the ELCB be triggered during start-up, the electrical installation must be checked.

It is also possible that moisture from the surrounding air has been concentrated in the magnesium-oxide filling in the heating elements during transport or storage and is now causing the ELCB to be triggered.

In this case, the oven must be heated up under supervision of an expert, during which the PE conductor is not connected. After about 10 minutes, when moisture has evaporated from the heating elements, the oven must be reconnected to the PE conductor!

If the sauna heater is not in use for a significant period of time, we recommend running it every 6 weeks, so as to avoid moisture concentrating in the heating elements.

Installation of the sauna heater and control unit may be undertaken only by an authorized electrician. Without documentation of such installation, a warranty is fundamentally invalid.

Guarantee

The guarantee is taken over according to the legal regulations at present.

Manufacturer's warranty

- The period of warranty starts from the date of purchase and lasts up to 2 years for commercial use and 3 years for private use.

- Always include the completed warranty certificate when returning equipment.

- The warranty expires for appliances which have been modified without manufacturer's explicit agreement.

- Damages caused by incorrect operation or handling through non-authorized persons are not covered under the terms of warranty.

- In the event of a claim, please indicate the serial number as well as the article code number and type name with expressive description of the fault.

- This warranty covers damaged parts but no defects due to wear and tear.

In case of complaint please return the equipment in its original packaging or other suitable packaging (caution: danger of transport damage) to our service department.

Always include the completed warranty certificate when returning equipment.

Possible shipping costs arising from the transport to and from point of repair cannot be borne by us.

Outside of Germany please contact your specialist dealer in case of warranty claims. Direct warranty processing with our service department is in this case not possible.

Equipment start-up date:

Stamp and signature of the authorized electrician:

Manufacturer:

EOS-WERKE Günther GmbH

Adolf-Weiß-Str. 43

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Required heating capacity and connected loads														
Heating capacity in kW	Cabin size in m ³ (Basis: Manufacture in accordance with RAL for Cabins in Buildings)								minimum diameters mains connection in mm ²					
	4-6	6-8	7-10	9-14	14-18	18-25	24-30	24-34	35-40	40-50	50-65	65-75	Connection to 400V 3N AC	Fuse A
12					■								5 x 4 ²	3 x 25
15					■								5 x 6 ²	3 x 35
18						■							5 x 10 ²	3 x 50
21							■							
24								■						