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SAUNA HEATER

USER MANUAL

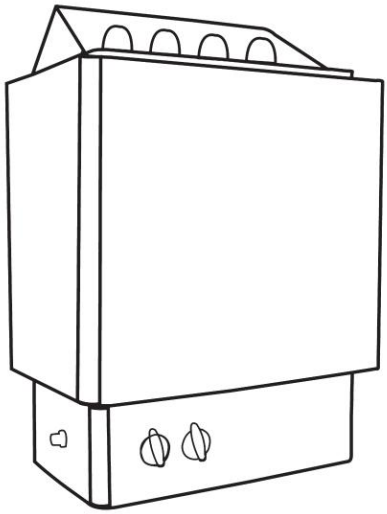
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VEVOR®

SAUNA HEATER

User Manual

MODEL : SCA-30NS, SCA-45NS, SCA-60NS, SCA-80NS, SCA-90BW



NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

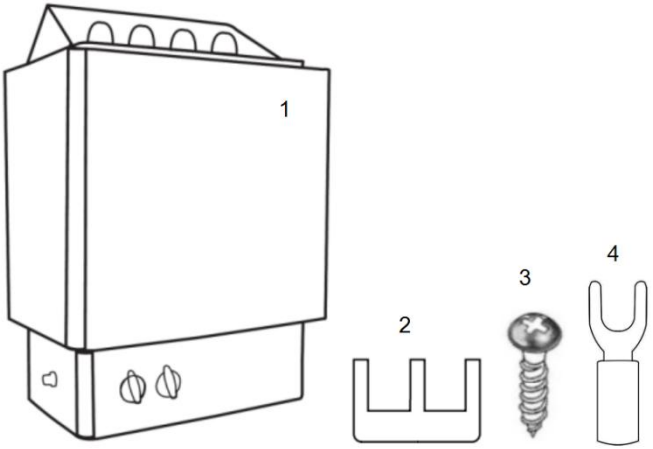
CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

BEFORE INSTALLATION

Parts

Check that the following parts are included in the packaging:



1．Sauna heater
2．Connectors x 3 (Pre-installed inside Junction box)
3．Bracket screws x 4 (6*40mm 2pcs, 6*16mm 2pcs)
4．Fork terminal x 3

WARNING

1．Electrical shock hazard------To avoid electrical shock hazard, all installations and relevant services shall be performed by qualified personnel.

2．Sauna bath time should be less than half an hour. Bathing too long may cause heart beating too fast, heartache, feeling weak or dizzy. User should stop sauna bath immediately as soon as the above symptoms occur.

3．Sauna bath may cause tension of bathers. Thus, those who have

one of the symptoms as below, should take sauna bath under direction by physician:

A. Being pregnant B. Having heart disease C. Having high blood pressure D. Having circulation system disease E. After drinking F. After taking medicine G. Diabetes H. Not feeling well

4. Children must be under the company of adults during sauna bath.

5. Risk of scald: Must not touch or move the sauna heater during heating. Stay at least 30cm away from the hot heater.

6. Use ordinary drinking water only.

It may damage the heating elements when water with other materials is poured into the stone compartment,which is beyond our guarantee.

7. Odors may occur during the first sauna bath as the Anti-rust oil for heating elements, which will disappear after sauna heater powers on when opening sauna door about 10-15mins.

INSTALLATION

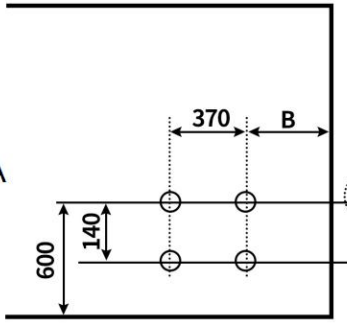
Install the sauna heater onto the wall using the screws provided with the heater,according to the minimum safety distances and volumes indicated in table 1 and figure 1, or on the tech-plate of the heater.

------The heater can be installed inside the sauna room with the minimum height of 1900mm.(Figure 1C)

------The wall behind the heater is not allowed to be covered by materials like asbestos cement, asbestos board and so on, because this sort of covering layer could cause high temperature and a risk of burn.

------Must use qualified materials for the walls and ceiling.

Figure 1A



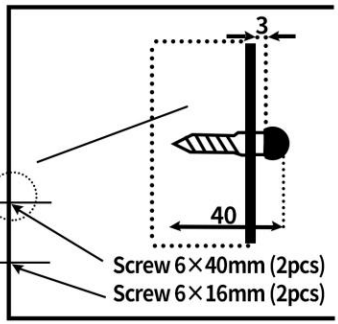
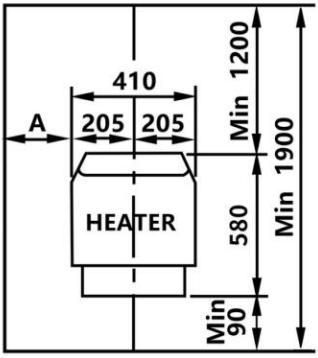


Figure 1B

Figure 1C



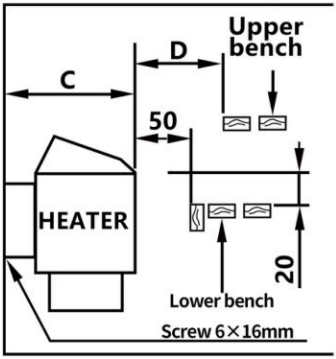


Figure 1D

Noted: the upper screws must be fastened tight, the minimum distances between screw head and wall is 3mm.

GUARD RAIL

Please follow the minimum distances requirements in figure 6 if guardrail is desired for the heater.

Figure 5

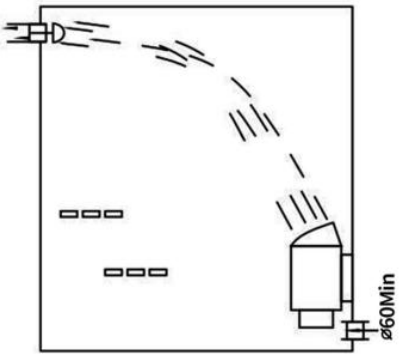
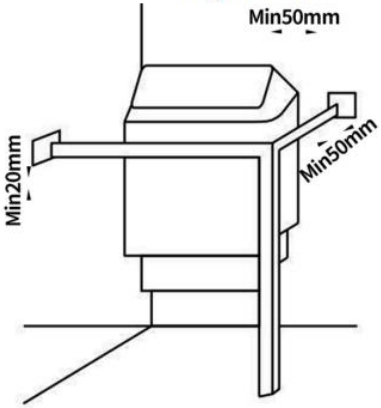


Figure 6



TEMPERATURE CONTROL

The temperature could be controlled by the thermostat inside the sauna heater (figure 3).The thermostat dial shows a rising heat scale.Find the sauna temperature which suits you best(Usually 158-176℉/70-80℃). Sauna room can reach on a preset temperature in 30 to 60 minutes, it depends on the size of sauna room and power of sauna heater.

Figure 3

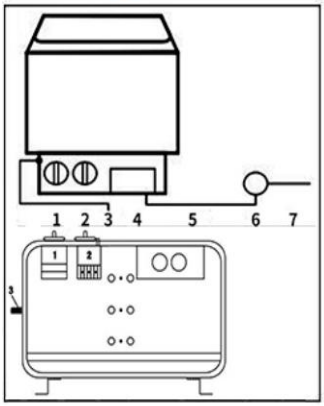


Table 1

HEATER	Distance (mm)		
	A	C	D
SCA-30	50	280	80
SCA-45	80	280	100
SCA-60	100	280	150
SCA-80	130	300	200
SCA-90	130	300	200

1.Power switch
2.Thermostat
3.Temperature limit reposition (130°C)
4.Junction box
5.Electricity supply cable
6.Electrity connection box
7.Connecting cable

POWER SWITCH(TIMER)

A. The power switch should be turned off when leaving the sauna room,as it is the main power control of sauna room.
B. To set the time for immediate start: Turn the timer knob full clock-wise,the length of sauna is set for 180 minutes.

Specifications

Model	**Power Supply(V /Hz)**	Power(K w)	Sauna room Volume(m^3)		Suggestion heating time
			Min	Max	(28-70℃)
SCA-30 NS	220/60	3	2	4	20-40min
SCA-45 NS		4.5	3	6	20-40min
SCA-60 NS		6	5	9	30-50min
SCA-80 NS		8	8	12	30-50min
SCA-90 BW		9	9	13	30-50min

Above suggested heating time should be achieved, including but not limited to these:

1. Room thermometer installed opposite to the sauna heater,closing to the ceiling.
2. Sauna room is installed indoor with insulation for diffusion prevention purpose.
3. Temp knob adjust to the Max.

CONNECTION OF ELECTRICITY SUPPLY CABLE

1. Only the qualified electrician can finish the connection of the heater's cables. You must obey electrical codes to finish the installation.Rubber

insulated cables are suggested as the connection cables from mains supply to the sauna heater.

2. The junction box inside sauna heater must be of a hermetic,splashing proof type, also including a 7mm diameter drainage hole to prevent moisture and condensation.The junction box should be less than 500mm over the floor.

Table 2

Model	Power (Kw)	Sauna room			Minimum Distance From heater to				Cables to
		Volume(m^3)		Height min.(cm)	Side&Back wall min.(cm)	If 500mm over from floor guard rail min.(cm)	Ceiling min. (cm)	Floor Min. (cm)	220V (mm^2)
		Min	Max						
SCA-30 NS	3.0	2	4	190	5	5	110	18	4
SCA-45 NS	4.5	3	6	190	8	8	110	18	4
SCA-60 NS	6.0	5	9	190	10	15	110	18	6
SCA-80 NS	8.0	8	12	190	13	20	110	18	10
SCA-90 BW	9.0	9	13	190	13	20	110	18	10

VENTILATION

To have a smoothing sauna bath, there should be a proper mixing of hot and cold air inside the sauna room. Another reason for ventilation is to draw air around the sauna heater and move the heat to farthest part of sauna room.

The inlet vent with diameter more than 6cm should be installed directly below the sauna heater.

The outlet vent should be installed diagonally opposite to the inlet, its suggested to place under the platform inside the sauna room as far as possible from the inlet vent.The diameter of outlet vent should be twice as big as the inlet, it may be installed far away the floor and under the bottom of the upper bench.

SAUNA STONES

Its recommended that all sauna stones should be rinsed to remove any staines or dust.The largest ones should be loaded at the bottom.Do not load the stones too tight to block air circulation through the sauna heater. New ones should be loaded when the stones get broken or crumbling. Load sufficient sauna rocks(10-15kgs) into the sauna heater after finishing the installation of sauna heater and controller.

ATTENTION: Sauna rocks must be of best quality because temperature inside sauna heater is extremely high. Rocks of inferior quality cant withstand heat and they maybe easily broken or crumbling because of the huge heat changing, which may damage heating elements. Or these stones may counteract the heat circulation because they are easily oxidized, then sauna heater maybe damaged while stone being heated or being poured water to make vapors.

GUARANTEE

1.Control panel is under one year guarantee.

2. Main body of sauna heater is under one year guarantee.

3.The following situation are not guaranteed:

1) Installation or disassembly of inside structure by unprofessional personnel;

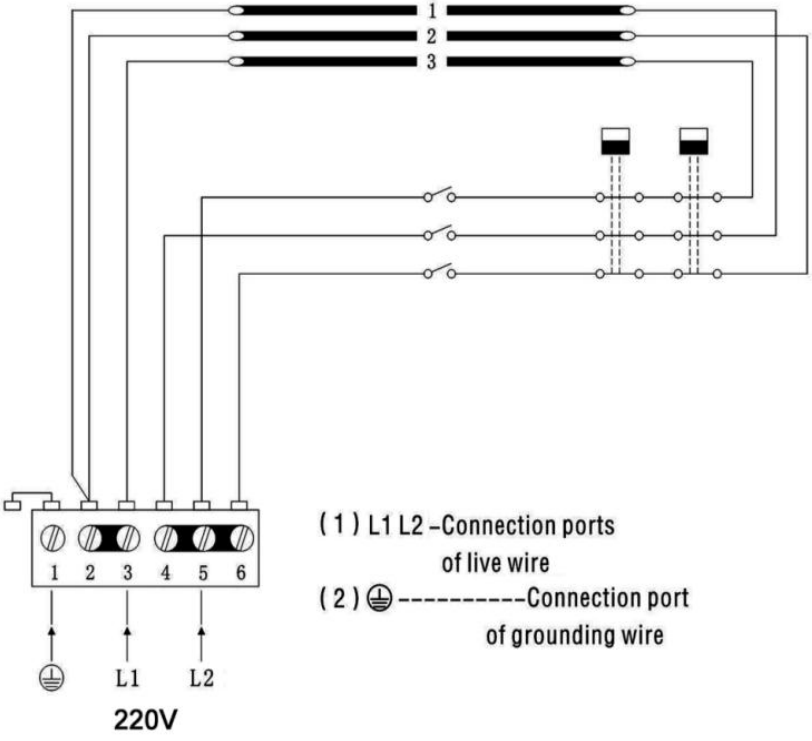
2) Supply voltage fluctuation range>±10%;

3) Unqualified rocks on sauna heater’s operation;

4) Installation without following the dimension instruction inside manual.

Figure 7

Power KW	Heating Elements 230V				
	SEPC 62 1000W	SEPC 63 1500W	SEPC 64 2000W	SEPC 65 2670W	SEPC 63B 3000W
3.0	1, 2, 3				
4.5		1, 2, 3			
6.0			1, 2, 3		
8.0				1, 2, 3	
9.0				1	2, 3



TROUBLESHOOTING

Symptom	Possible cause	Remedy
Low Heat	Thermostat is not set high enough. Timer length is less than 180 minutes.	Raise the thermostat setting. Raise the time setting to full 180 minutes.
No Heat	Internal temperature safety switch activated. For more details, see the temperature limit reposition of figure 3.	Reset the temperature safety switch. There is a black button on the left side of heater which can be pressed in. Try to determine the cause of safety switch activation.

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