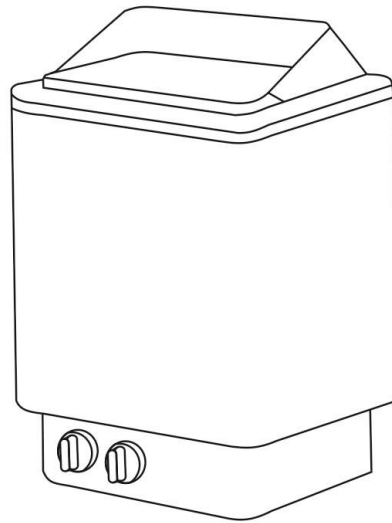


## INSTALLATION MANUAL FOR MODELS:

SCA-30NS  
SCA-45NS  
SCA-60NS  
SCA-80NS  
SCA-90NS



## SAUNA HEATER

Use ordinary drinking water only, other materials poured into the stone compartment may damage the heating elements, which is beyond our guarantee.

**WARNING:**  
PLEASE READ THIS MANUAL  
CAREFULLY BEFORE USE

## Sauna Rocks

Load adequate sauna rocks (10-15kg) into the sauna heater after finishing the installation of sauna heater and controller.

ATTENTION: Sauna rocks must be of finest qualities because temperature inside sauna heater is extremely high. Rocks not be able to withstand heat and the great heat changes easily break or get crumbling and damage the heating elements, or are easily oxidized which in return counteract the heat circulation and damage the sauna heater while being heated or being thrown water to for vapors causes.

## WARNING

1. Electrical shock hazard -----there are no owner serviceable parts in sauna heater. To avoid electrical shock hazard, all installations and relevant services shall be performed by qualified personnel.
2. Sauna shall be less than half an hour. Bathing too long may cause heart beating too fast, light heartache, feeling weak or dizzy. Should the bather stop bathing immediately as soon as the above symptoms occur.
3. Sauna bath may cause tension to the bather. Thus, one who is one of the followings should be directed 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 adult in taking sauna bath.
5. Risk of scald: Must not touch the sauna heater or trim during heating, as it is hot. Stay at least 30 cm away from the hot heater.

## GUARANTEE

1. Control panel is under one year guarantee.
2. Main body of sauna heater is under one year guarantee.
3. The following situations are not guaranteed:
  - 1) Installation or internal structure disassembling by unprofessional personnel
  - 2) supply voltage fluctuation range  $> \pm 10\%$
  - 3) unqualified rocks on sauna heater's compartment
  - 4) installation without following the dimension instruction of manual

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

Figure 1A

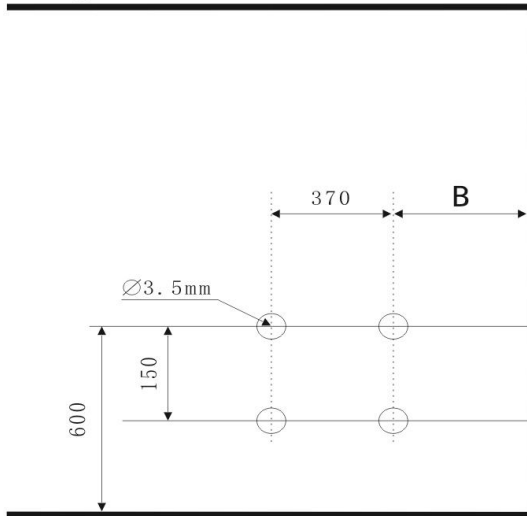


Figure 1B

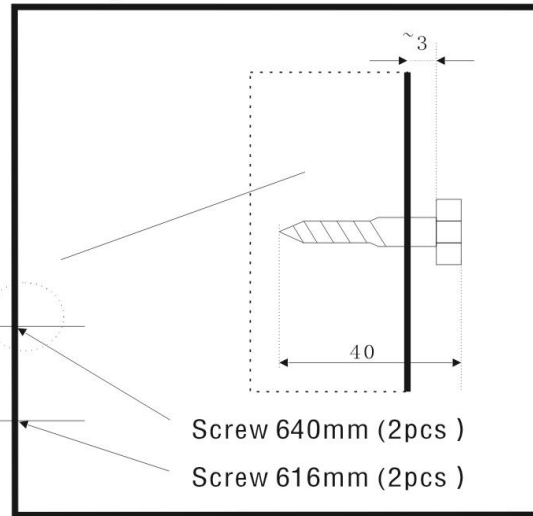


Figure 1C

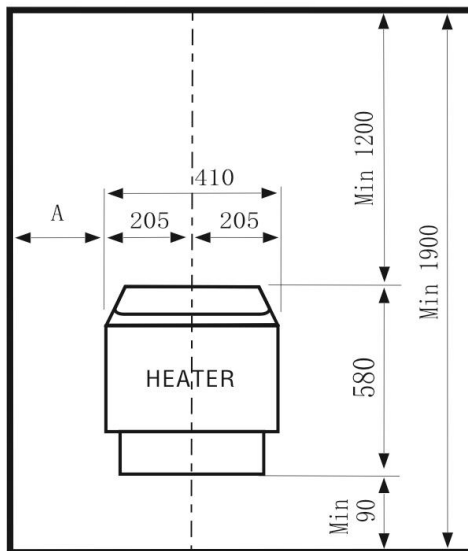


Figure 1D

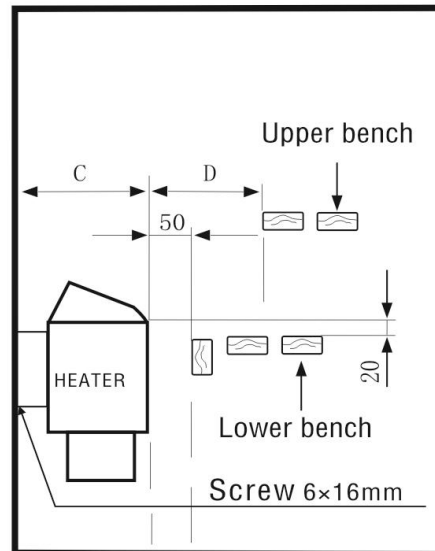


Figure 3

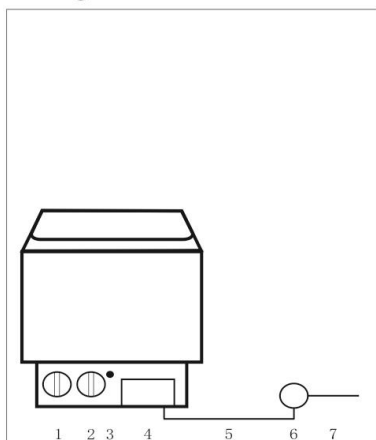


Table 1

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

- 1、 Power switch
- 2、 Thermostat
- 3、 Teperature limit reposition
- 4、 Junction box
- 5、 Electricity supply cable
- 6、 Electricity connection box
- 7、 Connecting cable

Figure 4

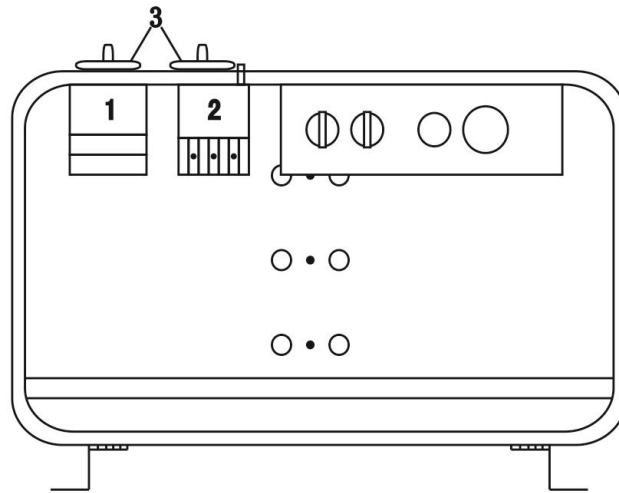


Figure 5

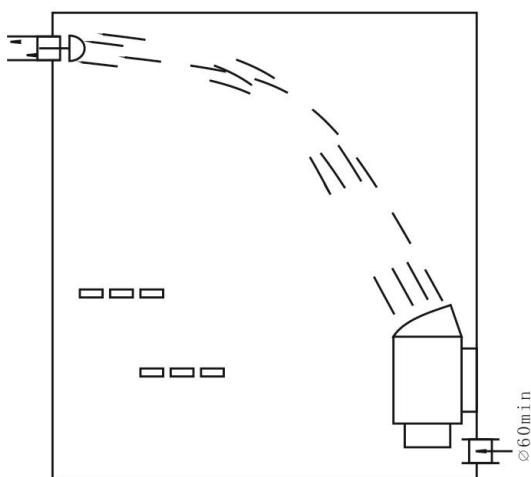


Figure 6

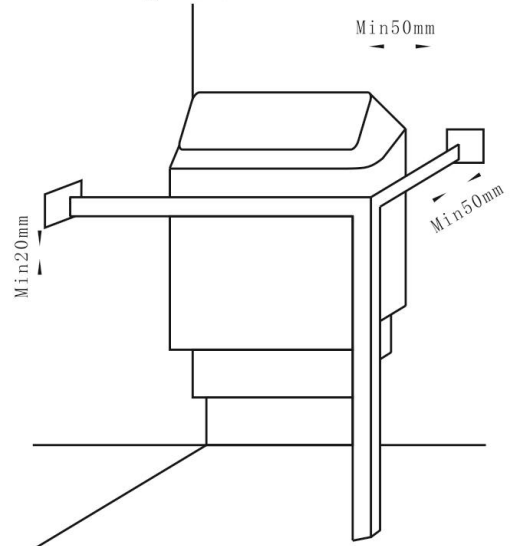


Table 2

Model	Power KW	Sauna Room			Minimum Distance From Heater to				Cables to	
		Volume m <sup>3</sup>		Height min. cm	Side & Back wall min. cm	If 500mm over from floor guard rail min cm	Ceiling min cm	Floor min. cm	380V 3ph 415V 3ph mm <sup>2</sup>	220V 1ph 240V 1ph mm <sup>2</sup>
		Min	Max							
SCA30NS	3.0	2	4	190	5	5	110	18	5X1.5	3X2.5
SCA45NS	4.5	3	6	190	8	8	110	18	5X1.5	6X6
SCA60NS	6.0	5	9	190	10	15	110	18	5X1.5	3X10
SCA80NS	8.0	8	12	190	13	20	110	18	5X2.5	3X10
SCA90NS	9.0	9	13	190	13	20	110	18	5X2.5	

354SkSM 110A	Heating Elements 230V/240V				
Power KW	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

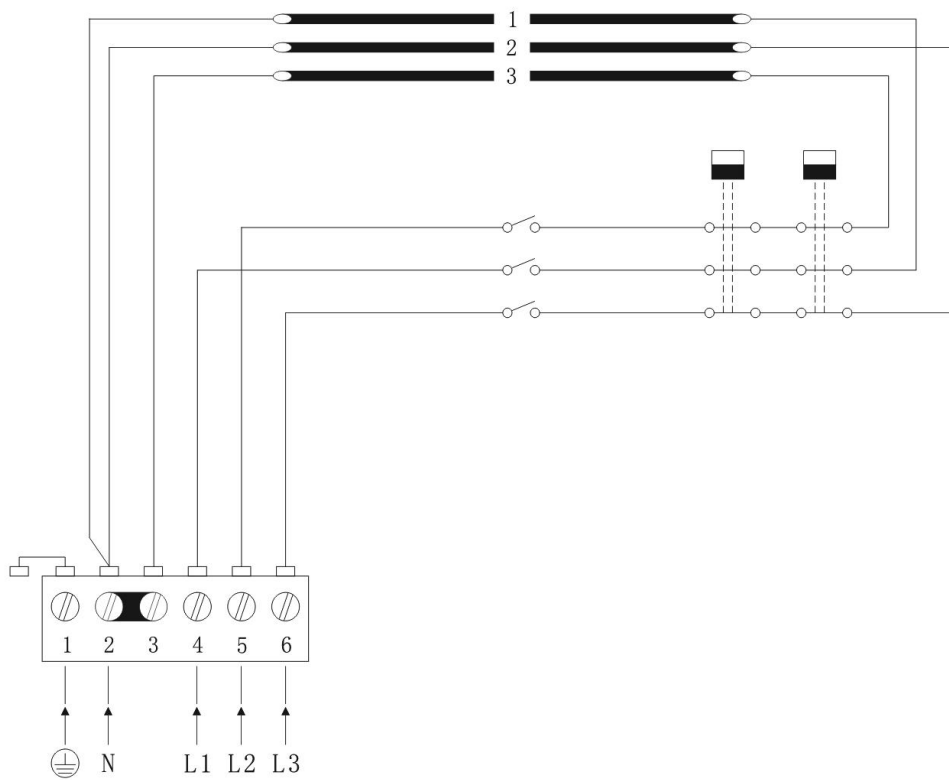
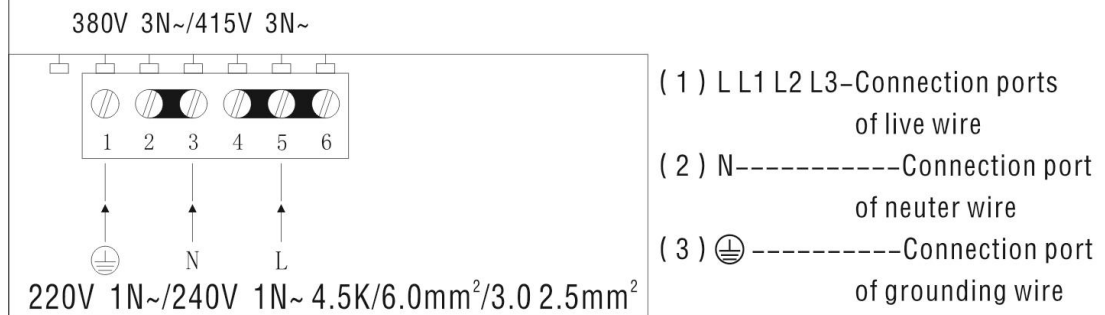


图7



## Installation

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

-----The heater can be installed in the wall recess at the minimum height of 1900mm.

-----Do not cover the wall behind the heater with materials like asbestos or eternit plates etc, because this sort of covering protection could cause too temperature and a risk of burn.

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

## Guard Rails

Please follow the minimum distances requirements in figure 6 if guardrails are desired around the heater.

## Connection of Electricity Supply Cable

Only the qualified electrician may conduct the electricity supply connections of the heater's cables taking into consideration of current, valid electrical safety regulations. The connecting cables of the mains supply to the heater must be of REVE rubber insulated cables or at least an equivalent (see the figures). There are connection ports in the junction box in sauna heater to connect the indicating lamps outside sauna (see connection ports of circuit diagram in figure 7). The section of the connecting cables is same as the one of the heater. The electricity connection box in sauna room must be of a hermetic, splashing proof type with a 7mm diameter condensation hole. The junction box should not be more than 500mm over the floor.

## Sauna stones

Since the sauna stones may be dusty, we recommend that they should be rinsed before being loaded into the heater container; the largest ones should be loaded at the bottom. Do not load the stones too tight so that air can easily move between the stones whereby a good even cooling can be got for the heating elements. Reload when stones broken or crumbling so that these stones can be got out of the heater before the heating elements get damaged. The diameter of the stones is usually of 3-8 cm.

## Temperature Control

The thermostat can control the temperature in an ideal condition (figure 3). Sauna heater can reach a preset temperature in 30 to 60 minutes depending on the size of sauna room. Thermostat of three phases electricity can fulfill the preservation of a good even comfortable temperature in sauna room.

## Power Switch

The power switch is the main power switch of sauna heater which should be switched off while leaving sauna.

## Ventilation

Good ventilation is a must for the sauna, and correctly installed ventilation creates agreeable bathing conditions, but yet still save energy. For the ventilation to be successful it is important where the ventilation openings are suited. The fresh air intake should be better situated on the wall near the bottom of the sauna heater. The diameter of air inlet must be at least 6 cm.

The exhaust opening should be better situated on the wall opposite to and as far as possible from the air intake. The diameter of the exhaust opening must be twice the size of the intake. The exhaust opening must be situated under the bottom of the upper benches.