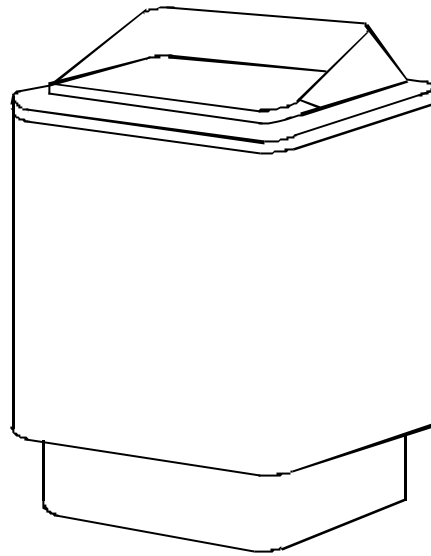


OWNERS MANUAL

MODEL

1712-30-1718
1712-45-1718
1712-60-1718
1712-80-1718
1712-90-1718



SAUNA HEATERS

- INSTALLATION
- OPERATION

314 SKSM 140 A
7014159

ASSEMBLY

When assembling the sauna unit, follow the dimensions given in fig. 1. table 1 or the plate on the sauna unit. The unit is attached to the wall with the screws supplied with the unit.

- The unit may be installed in a recess with a minimum height of 1900 mm. See fig.2
- Only one sauna unit may be installed in a sauna room.

PROTECTIVE RAILING
If a protective rail is built round the sauna unit, please follow the instructions in fig 6.

SWITCHING FOR LEFT OR RIGHT CONTROLS

The unit is supplied with a timer and thermostat installed on the front of the unit, see fig 3. If it is necessary to move the controls to the right or to the left, this should be done by an qualified electrician when the sauna is installed (see fig. 4).

1. Turn the sauna unit upside down, remove the plate.
2. Remove the knobs (3) for the thermostat (2) and the timer (1) by pulling them straight out.3. Remove the screws holding the timer and thermostat.
4. Remove the sectional plate from the side of the unit.
5. Move the timer (1) and the thermostat (2) to the side. The dial plate (5) separately packed is mounted using the thermostat and timer mounting screws.
6. Press the knobs into place.
7. Replace the sectional plate on the front of the unit.
8. Check that all the wiring to the thermostat and timer is intact.
9. Replace the junction box plate.

MAINS CONNECTION

The sauna unit must be connected to the power supply by a qualified electrician and in compliance with current regulations. The unit is connected to the power supply using suitable cable (see table above) with REVE (or equivalent) rubber sheathed mains lead for the final connection in the sauna.

The junction box in the sauna unit is also equipped with a terminal block which allows the following functions:

- a) Indicator light outside the sauna room (blocks 7 och 8, see circuit diagram, fig. 7). A lead is used with the same sectional areas as the cable to the sauna unit (see table).
- b) Electricial interlocking of another electricial device (blocks 9 and 19, see circuit diagram 7). A lead with a sectional area of 1,5mm² (6 A fuse) is used to connect this device.

A connection box, to be mounted in the sauna room, must be splash tight and have a condensation moisture hole, \varnothing 7 mm. The centre of this box must be not more than 500 mm above the floor.

NOTE: The overheating safety device may have been tripped by jolting in transport. It is reset by pushing a screwdriver through the hole in the front of the unit, see fig. 3.

- The wall behind the unit may not be clad with Eternit, asbestos board or similar material. This type of cladding can cause the temperature of the wall material to rise above the permitted level.
- Wood panelling is the approved material for walls and ceiling in the sauna room.

Power	Sauna room		Minimum distance				Connection HO7RN-F		
	Volume	Height	Side-wall	Dist. to shelf over 500 mm above floor	Ceiling	Floor	230V3-	230V2-	400V3N-
kW	m ³	mm	mm	mm	mm	mm	mm ²	mm ²	mm ²
3,0	2 - 4	1900	30	50	1200	120	4 x 2,5	3x2,5	5x1,5
4,5	3 - 6	1900	50	80	1200	120	4 x 2,5	3x4	5x1,5
6,0	5 - 9	1900	70	100	1250	120	4 x 4		5x1,5
8,0	8 - 13	1900	100	150	1250	120	4 x 6		5x2,5
9,0	9 - 14	1900	100	150	1250	120	4 x 6		5x2,5

SAUNA STONES

Since they may be dusty, we recommend that they are rinsed before being placed in the rock compartment. Put the largest stones at the bottom. Do not pack the stones tight but place them to allow good air circulation. To prevent damage to the sauna unit, the stones must be replaced if they begin to flake. The diameter of the stones is 3 - 8cm

TEMPERATURE CONTROL

The thermostat control (fig. 3) is set to the desired temperature. The sauna will reach the desired temperature in 30-60 minutes, depending on the size of the sauna room. The three steps thermostat ensures even, pleasant heat in the sauna room.

OVERHEATING PROTECTION

If for any reason the air temperature exceeds acceptable limits, the overheating protection automatically cuts off the power supply. After about 5 minutes the power can be put on again by pressing the reset button (see fig. 3 point 3). Before pressing the reset button, the possible cause of overheating should be investigated.

THE TIMER

The timer, which is the main power switch of the sauna unit, automatically shuts off the unit at the desired time.

8 + 4 hour preselection timer settings

The preselector timer allows between 1 and 8 hours presetting, and the maximum running time is always 4 hours.

The preselector timer may be used to set in advance the time when the sauna is to start: if you want to use the sauna "at once", the switch is set anywhere between 1 and 4 hours, and the unit is on.

VENTILATION

To make the sauna bath as pleasant and healthy as possible, the sauna room must be correctly ventilated. Incoming air should, if possible, be led in through a vent immediately under the sauna unit. This vent should be at least 6 cm, in diameter (see fig. 5).

The exhaust air should, if possible, be led out from the opposite wall, preferably as far as possible from the incoming air vent. The exhaust air vent should be twice the size of the incoming air vent, and be located as high as possible off the floor.

NOTE

The upper screws are tightened so that there is a 3 mm gap between the screw head and the wall.

Fig. 1A

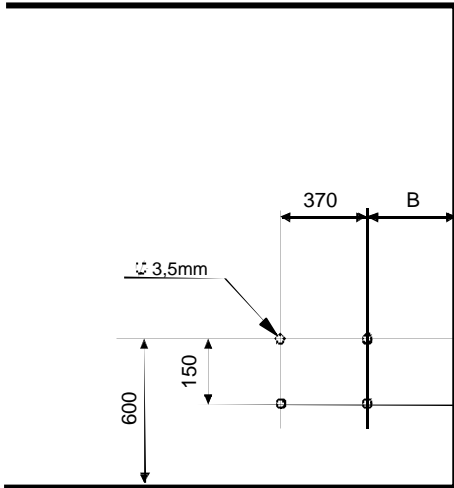


Fig. 1B

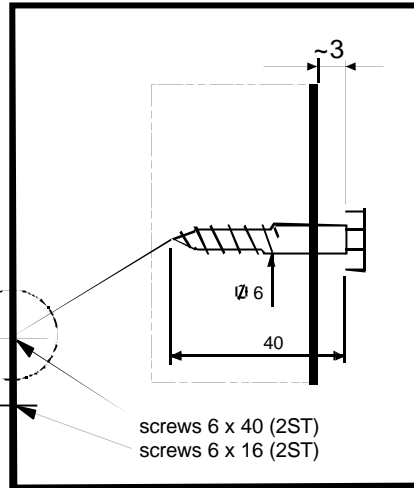


Fig. 1C

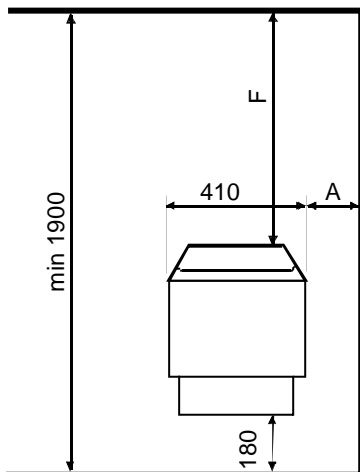


Fig 1D

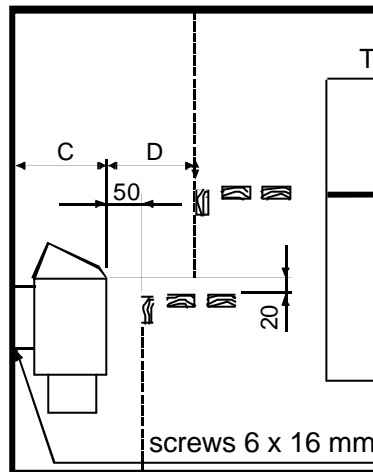
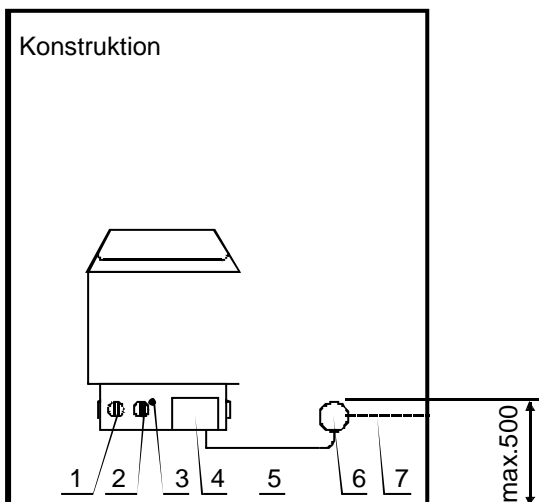


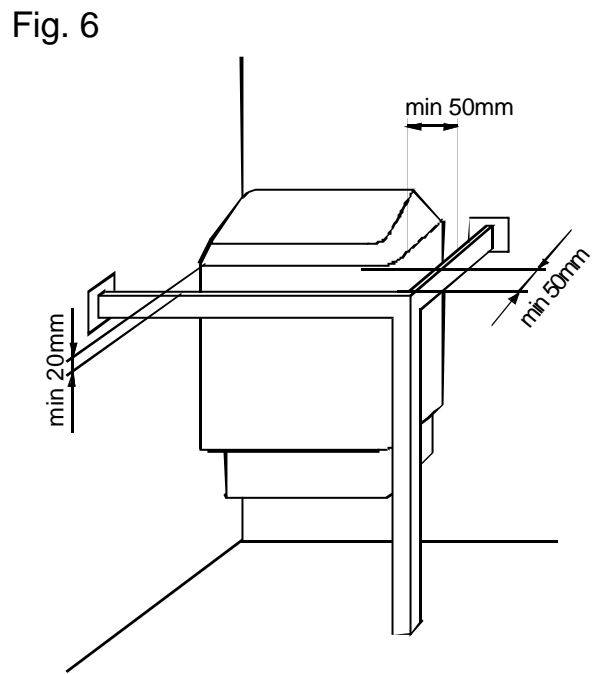
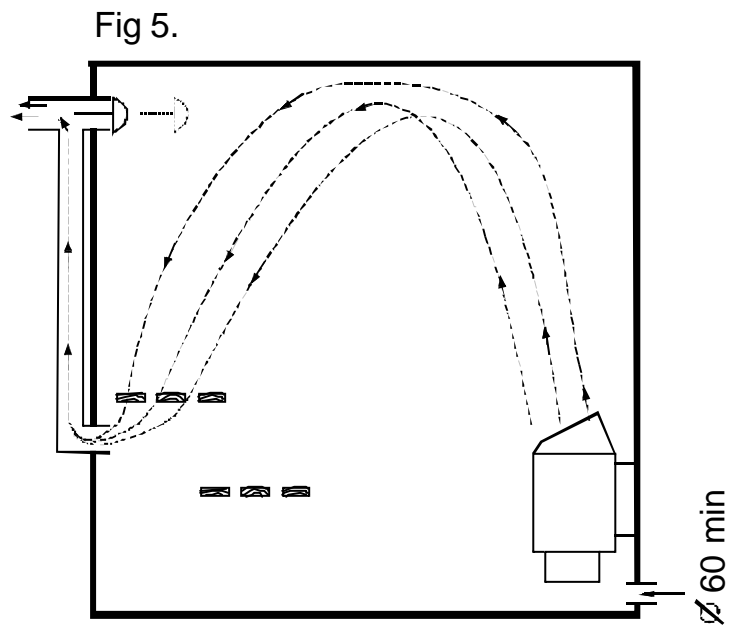
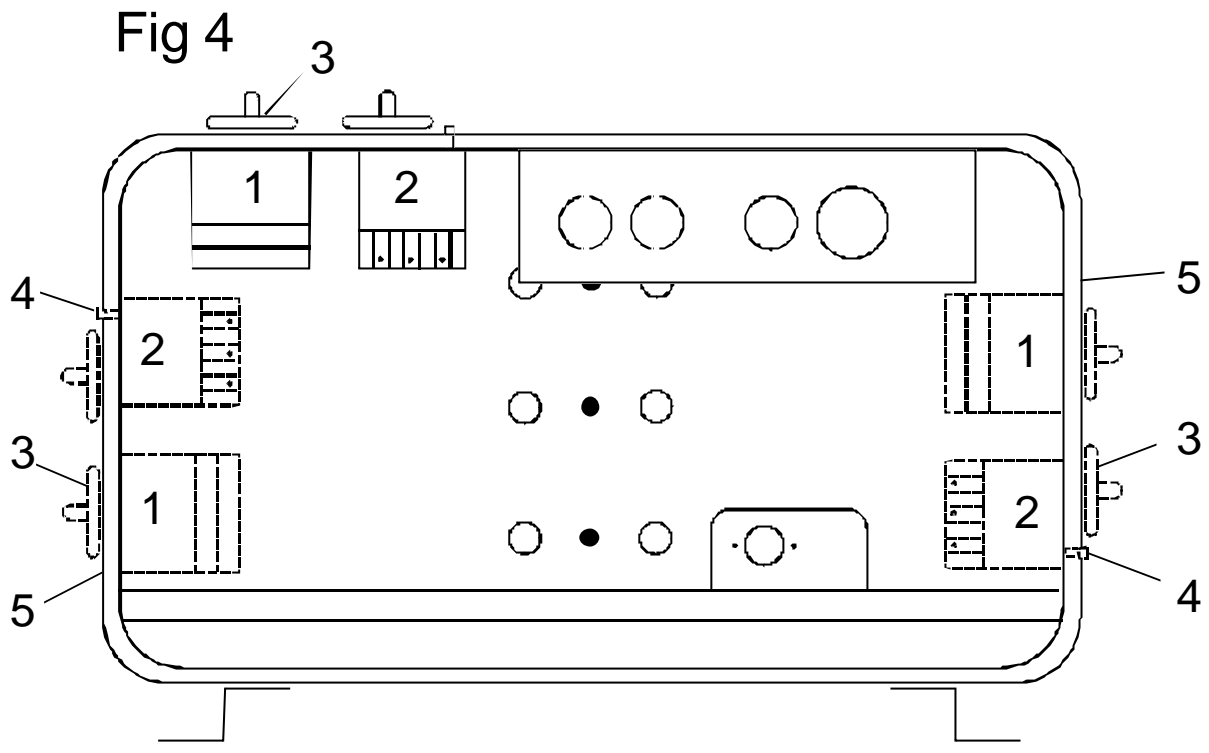
Table 1

kW	min A	min B	min C	min D	min F
3,0	30	80	280	50	1200
4,5	50	100	280	80	1200
6,0	70	120	280	100	1250
8,0	100	150	300	150	1250
9,0	100	150	300	150	1250

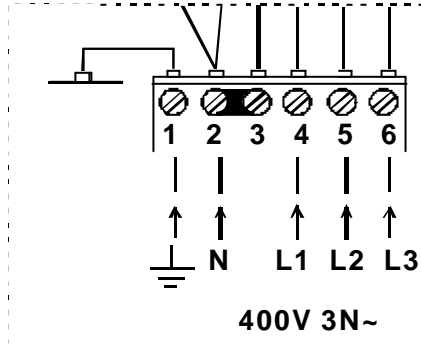
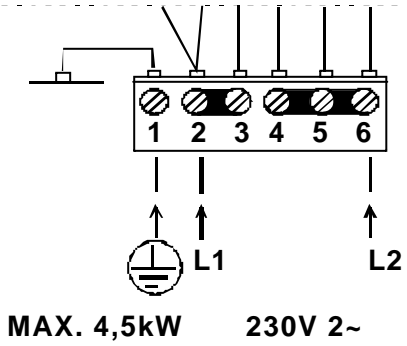
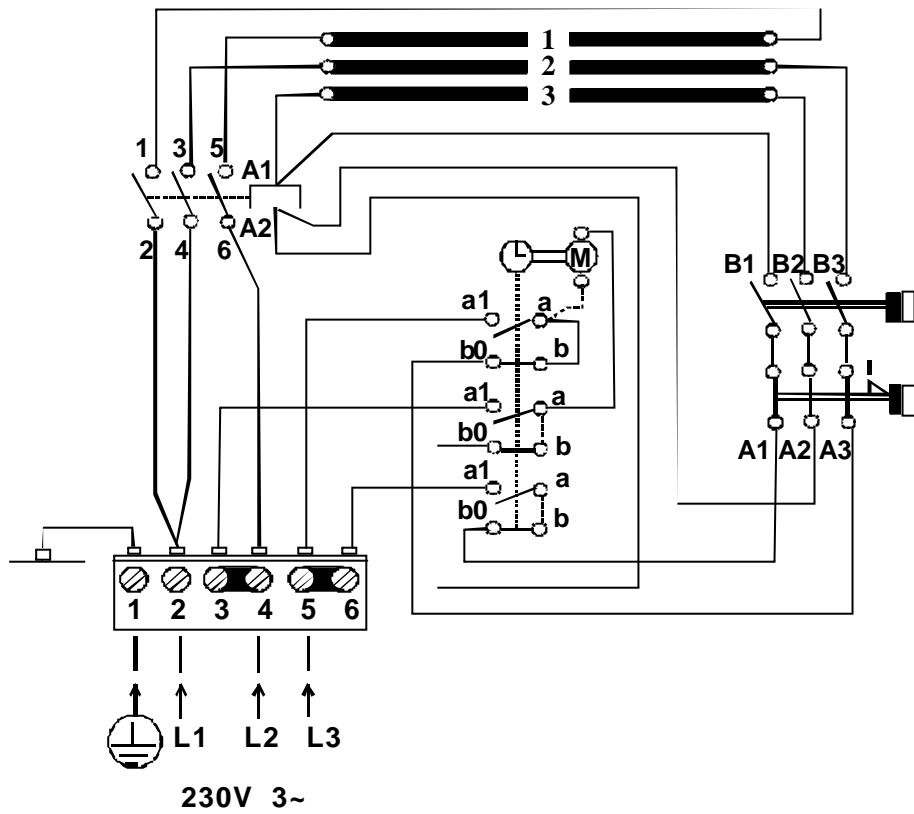
Abb. 1



1. Timer
2. Thermostat
3. Overheating protection reset
4. Junction box
5. Power cable
6. Junction box
7. Installation cable

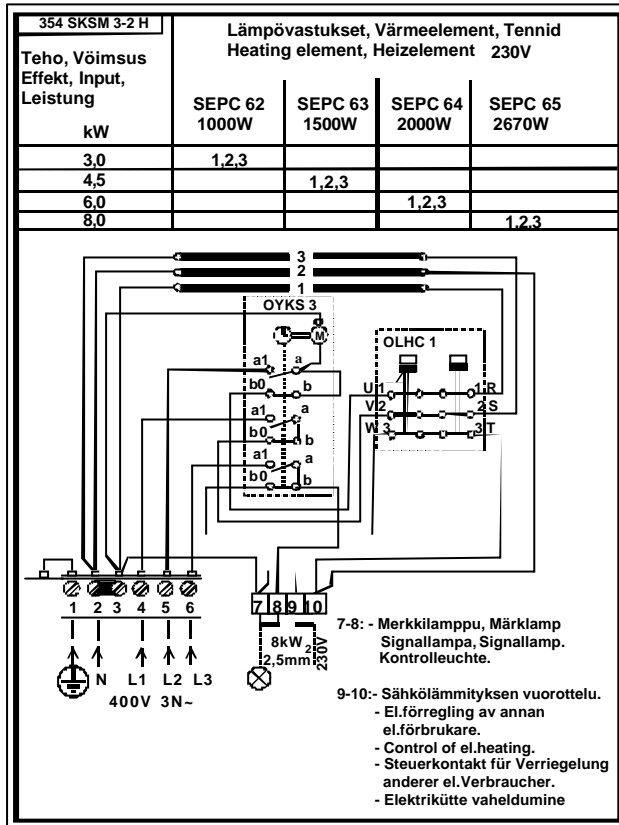


Teho, Effekt Input, Leistung kW	Lämpövastukset, Värmeelement, Heating element, Heizelement 230V					
	SEPC 62 1000W	SEPC 63 1500W	SEPC 64 2000W	SEPC 65 2670W	SEPC 65B 3000W	SEPC 65C 3300W
3,0	1,2,3					
4,5		1,2,3				
6,0			1,2,3			
8,0				1,2,3		
9,0				1	2	3

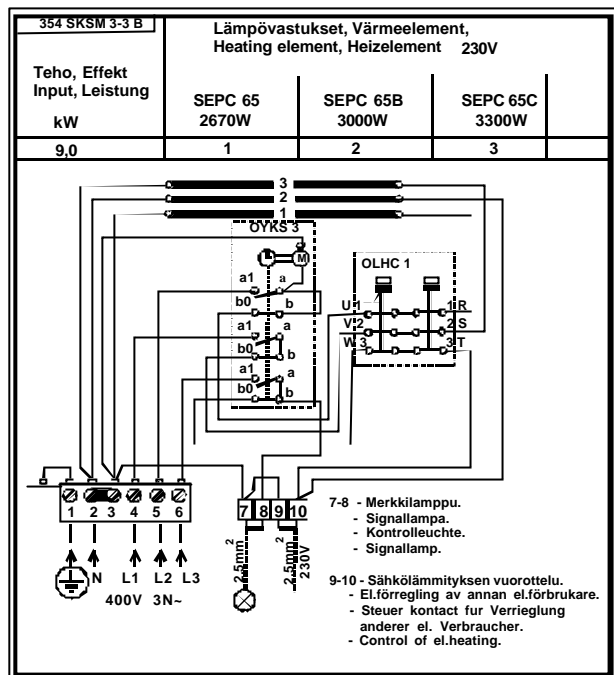


354 SKSM 101 D

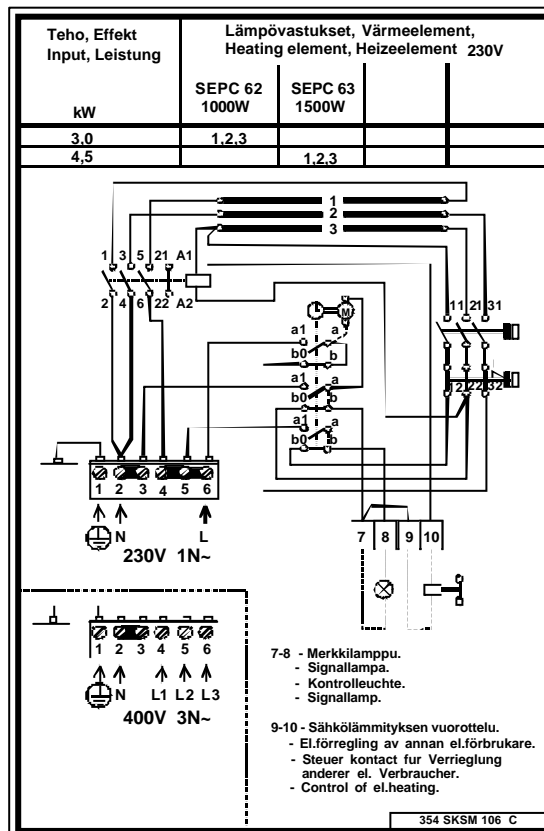
3 - 8 kW heater



9 kW heater



3 - 4,5 kW heater



1712-30-1718, 1712-45-1718, 1712-60-1718, 1712-80-1718

Teho Effekt Input Leistung	Jännite Spänning Voltage Spannung	Sulake Säkring Fuse Sicherung	Kiukaan liitäntä johto Ugnens anslutnings kabel Cables to Heater Kabel zum Ofen HO7RN-F
kW	V	A	mm ²
3	230	16	3 x 2,5
4,5	230	20	3 x 4,0
6	230	35	3 x 10
8	230	35	3 x 10
3	240	16	3 x 2,5
4,5	240	20	3 x 4,0
6	240	35	3 x 10
8	240	35	3 x 10

