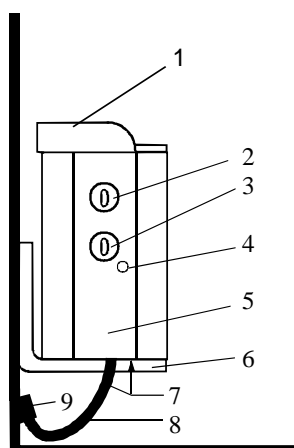


INSTRUCTIONS FOR INSTALLATION AND USE

SAUNA HEATER Typ 1714-45-1718
Typ 1714-60-1718
Typ 1714-80-1718
Typ 1714-90-1718

VOLTAGE 400V - 415V 3N~
230V - 240V 1N~



1. Top
2. Timer
3. Thermostat
4. Overheating protection reset
5. Connection box
6. Mounting bracket
7. Screws for the connection box
8. Power supply cord
9. Junction box

INSTALLATION OF THE HEATER

For information about how to install the heater, please see page 3. When mounting the heater, please take note of the following:

- Follow the give instructions
- Wood panelling is the approved material for walls and ceiling in the sauna room.
- Check that the wall panelling is secured where the screws will be fastened.
- Only one sauna unit may be installed in a sauna room.
- The heater must not be installed in a niche nor must it be surrounded by a compact heater guard.
- Before you turn on the heater on you have to check that the sauna room is in condition to be used.

MAIN CONNECTION

The sauna heater must be connected to the power supply by a qualified electrician and in compliance with current regulations. The cable used must be at least oil resistant rubber coated HO7RN-F type. Also other cables coming from the heater (such as those for the signal lamp, locking circuit for other heating appliances) should be of corresponding type and have a similar cross-section as the above mentioned. The lid of the connection box can be opened by removing (pulling) the knobs, unscrewing the two screws under the side cover plate and by carefully pulling the bottom part of the side cover plate outwards and down.

SAUNA STONE

Sauna stones may be dusty, we recommend that they are rinsed before being placed in the rock compartment. Put the larges stones at the bottom. Do not pack 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.

NB! The 4,5kW heater must not be used with the bigger stone compartment

TEMPERATURE CONTROL

The thermostat control is set to the desired temperature. The sauna will reach the desired temperature in about 60 minutes, depending on the size and the construction of the sauna room.

OVERHEATING PROTECTION

If for any reason the air temperature exceeds acceptable limits, the overheating protection automatically cuts off the power supply. When the heater has cooled down the power can be on again by pressing the reset button. 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 setting

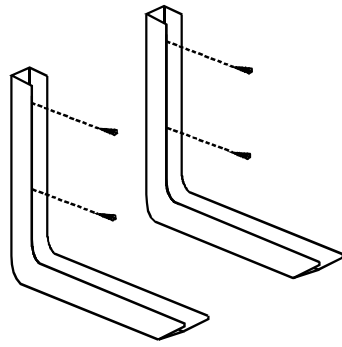
The preselector timer allows between 1 and 8 hours presetting, and the maximum running time is always 4 hours.

The preselector timer may be used to in advance set 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.

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INSTALLATION INSTRUCTIONS

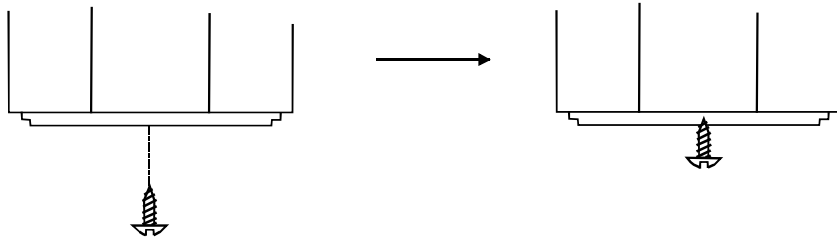
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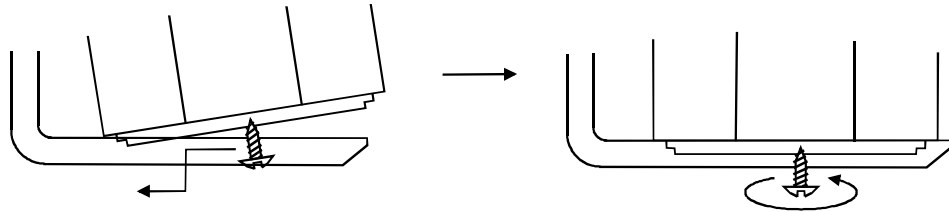
1. The supporting bracket is to be fastened onto the wall in accordance with the measure stated on the next page.

2

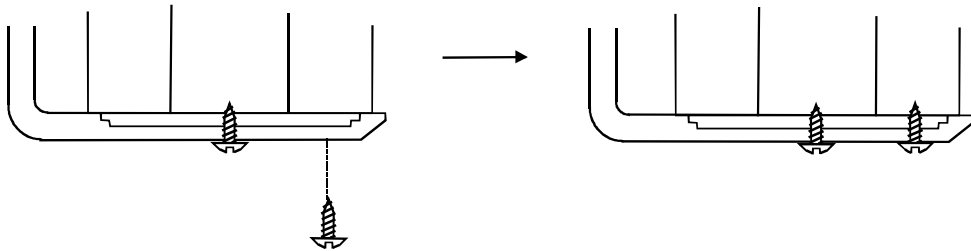
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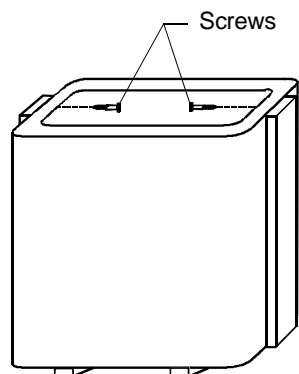
b



c



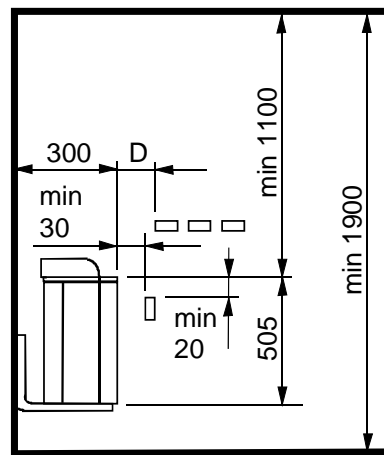
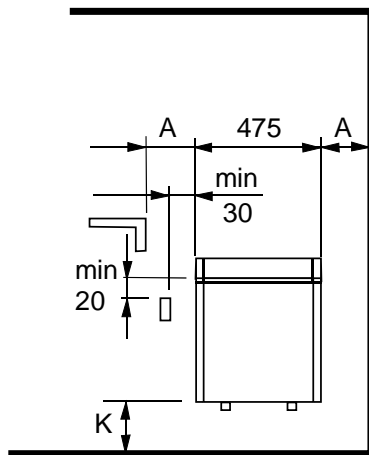
3



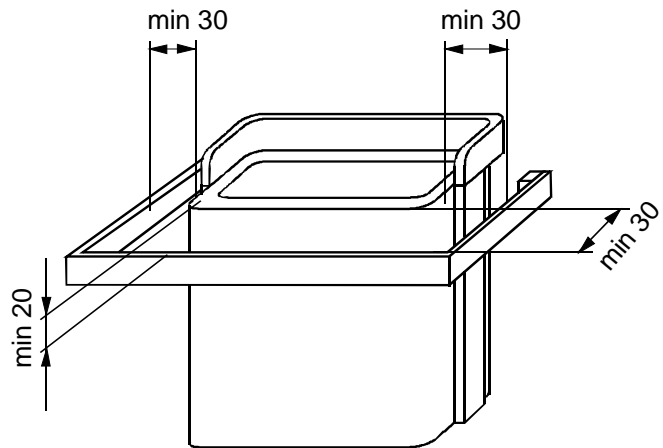
3. The heater is to be mounted onto the supporting brackets so that the connection box and the knobs (if there are any) will be visible and easy to reach. The highest part of the top should always be closest to the wall. If this is not the case the top should be turned around immediately. The top is fastened with two screws on each side of the rock container, see drawing.

THE HEATERS MINIMUM DISTANCES

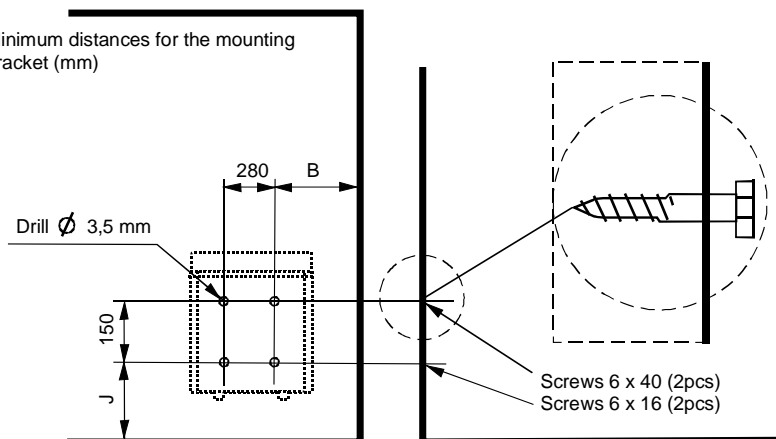
Power	Sauna room		Minimum distance to:				Stones		Supply connections						
	Volume		Height	Side wall	In front of	Ceiling	Floor			From junction box to the heater		Permanent connection			
	min	max	min.mm	mm	mm	mm	mm	min Approx	max Approx	HO7RN-F		400V/415V 3N~	230V/240V 1N~	400V/415V 3N~	230V/240V 1N~
kW	m ³	m ³						kg	kg	mm ²	mm ²	mm ²	mm ²	mm ²	mm ²
4,5	3	6	1900	40	80	1100	120	20	28	5 x 1,5	3 x 4	5 x 1,5	3 x 4		
6,0	5	9	1900	45	100	1100	120	20	35	5 x 1,5	3 x 10	5 x 1,5	3 x 10		
8,0	8	12	1900	75	130	1100	150	20	35	5 x 1,5	3 x 10	5 x 2,5	3 x 10		
9,0	9	13	1900	80	150	1100	150	20	35	5 x 1,5		5 x 2,5			



Heater	Minimum distance (mm)				
	kW	A	B	D	J
4,5	40	135	80	245	120
6,0	45	140	100	245	120
8,0	75	170	130	275	150
9,0	80	175	150	275	150

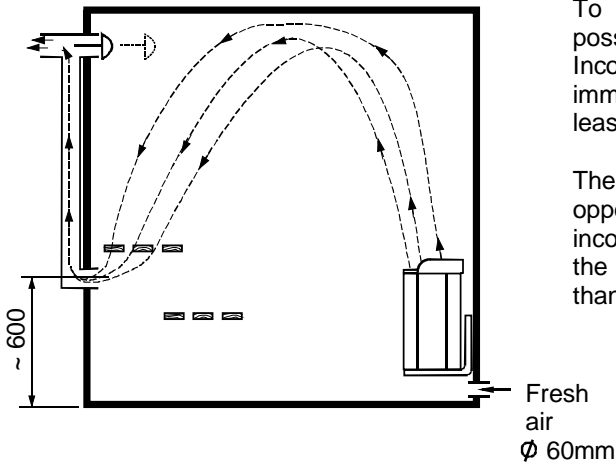


Minimum distances for the mounting bracket (mm)



VENTILATION

Fig. 4 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 60mm in diameter.

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 about 600mm higher than the fresh air inlet ventilator

