OWNERS MANUAL

MODEL

CUP 30 D

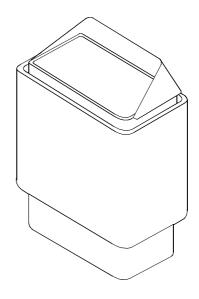
CUP 45 D 380V 3~

CUP 60 D 400V 3~

CUP 80 D 440V 3~

CUP 90 D

SYLA 5 PLM



SAUNA HEATERS

- INSTALLATION
- OPERATION

7013546 314 54 D We wish you many hours of relaxation and pleasure in your sauna. Please read the instructions beneath very carefully in order to find out how the sauna works.

ATTENTION: The installation of the sauna heater and other electrical power supply connection should be carried out by a qualified electrician in accordance with the national electrical code and local regulation.

INSTALLING THE SAUNA HEATER

Before installing the heater, please check the following:

- that the following parts have been delivered: heater, control box with temperature sensor device, OLET-5
- that the voltage of the heater and control box is correct and that the control box is suitable for the heater
- that the kW of the heater corresponds with the size (m) of the sauna room. See table 1
- that the minimum construction spaces in fig. 1 are strictly followed

FAILURE TO FOLLOW THE ABOVE INSTRUCTIONS MAY RESULT IN FIRE HAZARD.

The minimum and maximum m³ depend on the insulation and the surrounding temperature. If the sauna has tile or concrete walls without wooden covering, approx. 1,2m³ for every m² of tile or concrete must be added to the volume, in order to get the most suitable heater.

MOUNTING THE SAUNA HEATER (See fig 1)

Drill the four screw holes using a 3,5 mm drill bit. The screw head should be approx. 3 mm from the wall surface. Make sure that the screws are fastened through the sauna room soft wood lining into a backing board to hold the heater.

Hang the heater on the screws. Tighten the lower screws in order to lock the heater in position.

Re-chech your distances from the heater to combustible materials to make sure the stipulated minimum distances are followed.

MOUNTING OF THE CONTROL BOX

The control box must be installed in a dry place outside the sauna room. The sensor unit should be fastened to the wall in the sauna according to fig 1. please follow the measurements mentioned in fig 1. otherwise it may cause a burn.

CONNECTION

The electrical installation of the sauna heater and the control panel must be made by a qualified electrician according to the requirements. The principal connection will be made in accordance with fig. 1. The required wiring diagrams are inside the control panel. The heater can be connected by using a rupper wire HO7BB -F5G, table 1. the connection box must be a splash water proof construction and its height from the floor must not be higher than 500mm. If the connection- and installationwires come inside the sauna or inside the walls of the sauna higher than 1000mm from the floor they must loaded take at least 170°C (for instance HO7SS-K4G: thermostat SYTA 3.

All electrical appliances that are installed higher than 1000mm from the sauna floor must be accepted for use in 125°C surrounding temperatures (marking T 125).

ELECTRICAL HOOK-UP

The wiring diagrams (figs. 2 and 3) are to be found in the heater and control box.

The sauna heater MUST NOT be used before firm connection to the electrical system has been established. The connecting cable must be at least rubber cable. Table 1.

SAUNA STONES

Should be washed before use. Fill the stone compartment from bottom to top with the large stones at the bottom The heating elements should be covered by the small stones, however, never force the stones between the elements

VENTILATION

Since a sauna bath should be as pleasant and relaxing as possible, proper ventilation is essential.

The air circulation in a family sauna should be recycled six times per hour during a sauna bath. The fresh air inlet vent should be below the sauna heater and have a diameter of 60 mm.

The outlet should be as far from the inlet as possible and placed diagonally across the sauna from the inlet hole. The outlet should be twice as big as the inlet and approx. 600 mm above the floor.

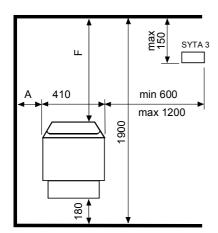
THE REGULATION OF THE TEMPERATURE AND TIME

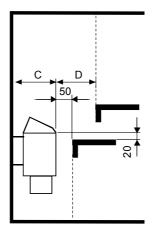
Turn the knob of the thermostat to the desired temperature and switch on the heater by turning the timer knob to the desired position. The signal lamp on the control box indicates that the heater is on. After bathing switch off the heater by turning the timer knob to 0. If you forget to switch off the current, the timer will automatically take care of this. You need not turn the thermostat knob every time if you keep the sauna temperature constant. There is a variable temperature setting.

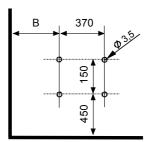
LIMIT CONTROL

Inside the thermostat there is a thermal fuse that switches off the whole current if the temperature for some reason rises too high in the sauna. After reaching a normal temperature in the sauna the thermal fuse have to be changed. Before that you have to find the reason for the temperature increase

FIG1 MIN DISTANSES TO COMBUSTIBLE MATERIAL (mm)

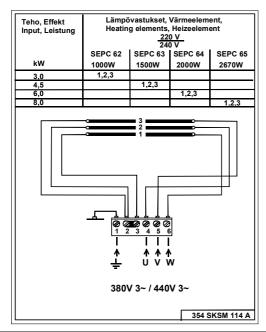


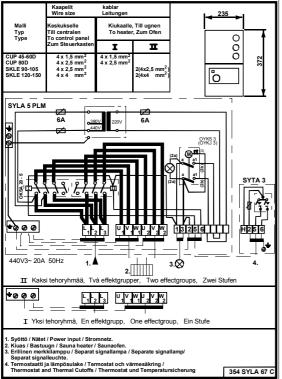


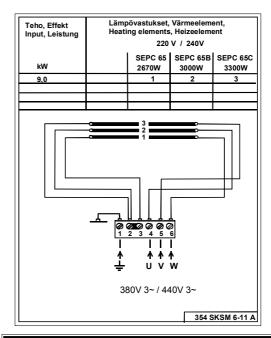


l able 1					
Тур	min A	min B	min C	min D	min F
CUP 30 CUP 45 CUP 60 CUP 80 CUP 90	50 80 100 130 130	80 100 120 150 150	280 280 300	100 100 150 200 200	1200 1200 1250 1250 1250

TABLE 1.					=			=					
HEATER	R SAUNA			MINIMUM DISTANCES		CABLES TO			FUSES	USES CONTROL			
Type	Effect	Volu	ume	Height	From heater to			Control	ntrol Thermo Heater		Main	PANEL	
		Min.	Max	Min			panel	stat		fuse 380V 1440		440V	
					side-	cei-	quard rail	HO7V-	HO7SS-	НО7ВВ-		Σ	5
					wall	ling	and upper	R	K4G	F5G		5PLI	5PLM
							bench		250V~			A51	
		١ ,	3	Hmin	A min	min	D min		250 0			7	SYLA
	kW	m ³	m³	mm	mm	mm	mm	mm [∠]	mm [∠]	mm [∠]	Α	Ś	Ś
CUP 30	3,0	2	4	1900	50	1200	80	5 x 1,5	4 x 1,5	5 x 1,5	10	Х	Χ
CUP 45	4,5	3	6	1900	80	1200	100	5 x 1,5	4 x 1,5	5 x 1,5	10	Х	X
CUP 60	6,0	5	8	1900	100	1250	150	5 x 1,5	4 x 1,5	5 x 1,5	10	Х	Х
CUP 80	8,0	7	10	1900	130	1250	200	5 x 2,5	4 x 1,5	5 x 2,5	16	Χ	Χ
CUP 90	9,0	8	12	1900	130	1250	200	5 x 2,5	4 x 1,5	5 x 2,5	16	Х	Х







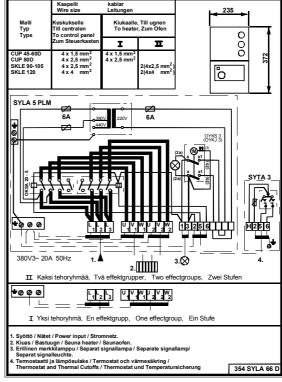


Fig. 4 Ventilation

