

## INVESTMENT COMPARISON

The investment calculation compares the costs of the Smart Stove and the Continuously Heated Stove with different usage amounts per year and the resulting acquisition costs, taking into account the resulting difference in operating costs.

- Based on the GL0750, 16,2 kW, 180 Kerkes standby consumption value of 1-1.5 kW per hour and the experience value that consumption with saunas is about 3 kW per hour.
- Based on the estimate that the average consumption of a continuously heated Stove is half the rated power, ie 16 kW / 2 = 8 kW per hour with saunas.
- The price of a kilowatt is € 0.2 per hour.
- With a smart Stove, the duration of the panels is 2-3 times higher than usual.
- The cost of panel renovation with continuous heating is 2 \* 4000 € per annual hour 8760.
- The cost of panel repairs at the Smart Stove is € 4,000 per hour 8760.

### CALCULATION ACCORDING TO DIFFERENT SAUNA TIMES

#### Sauna time 24/7 throughout the year

	Smart Stove	continuous heated stove	SÄÄSTÖ %
Electricity cost 5 years			
Calculation formula	$5v \cdot 8760h \cdot 3kW \cdot 0,2€$	$5v \cdot 8760h \cdot 8kW \cdot 0,2€$	
Electric bill	26 280	70 080	-62
Panel Cost	4 000	8 000	
Stove maintenance	5 000	5 000	
Purchase price + installation	9 000	3 000	
Life cycle cost	44 280	86 080	-48
Smart stove saving	40 800		
Savings for the next 5 years	49 800		

#### Sauna time 16 h / day throughout the year

	Smart Stove	continuous heated stove	SÄÄSTÖ %
Electricity cost 5 years			
Calculation formula	$5 \cdot 5760 \cdot 3 \cdot 0,2€ + 5 \cdot 360 \cdot 3h \cdot 16 \cdot 0,2€$	$5 \cdot 5760 \cdot 8 \cdot 0,2€ + 5 \cdot 360 \cdot 16 \cdot 0,2€$	
Electric bill	19 008	51 840	-62
Panel Cost	2 680	5 360	
Stove maintenance	3 350	3 350	
Purchase price + installation	9 000	3 000	
Life cycle cost	34 038	63 550	-45
Smart stove saving	29 512		
Savings for the next 5 years	38 512		



### Sauna time 8 h / day throughout the year

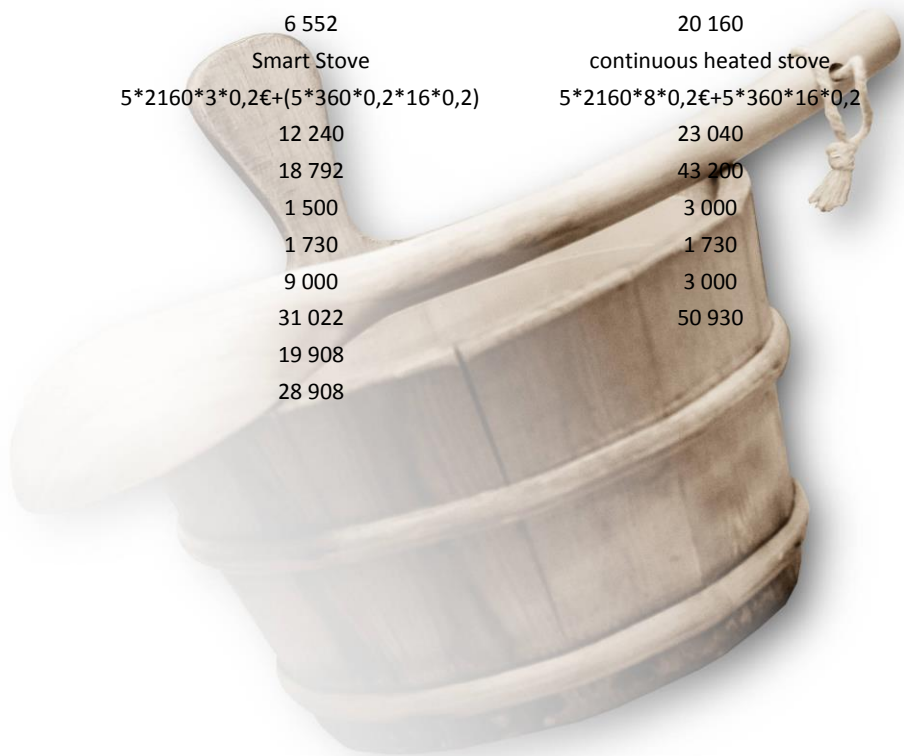
	Smart Stove	continuous heated stove	
Electricity cost 5 years			
Calculation formula	$5 \cdot 2920 \cdot 3 \cdot 0,2 \text{€} + (5 \cdot 360 \cdot 7 \cdot 16 \cdot 0,2)$	$5 \cdot 2920 \cdot 8 \cdot 0,2 \text{€} + 5 \cdot 360 \cdot 16 \cdot 0,2$	
Electric bill	12 792	29 120	-55
Panel Cost	1 340	2 680	
Stove maintenance	1 730	1 730	
Purchase price + installation	9 000	3 000	
Life cycle cost	24 862	36 530	-31
Smart stove saving	11 668		
Savings for the next 5 years	20 668		

### Sauna time 8 h / day 5 days 7 weeks

	Smart Stove	continuous heated stove	
Electricity cost 5 years			
Calculation formula	$5 \cdot 2080 \cdot 3 \cdot 0,2 \text{€} + 5 \cdot 260 \cdot 7 \cdot 16 \cdot 0,2$	$5 \cdot 2080 \cdot 8 \cdot 0,2 \text{€} + 5 \cdot 260 \cdot 16 \cdot 0,2$	
Electric bill	9 443	22 400	-57
Panel Cost	1 340	2 680	
Stove maintenance	1 730	1 730	
Purchase price + installation	9 000	3 000	
Life cycle cost	21 513	29 810	-27
Smart stove saving	8 297		
Savings for the next 5 years	17 297		

### Sauna time 6-10 in the morning and 16-22 in the evening

	Smart Stove	continuous heated stove	
<b>Morning sauna 6-10</b>			
Calculation formula	$5 \cdot 1800 \cdot 3 \cdot 0,2 \text{€} + 5 \cdot 360 \cdot 0,2 \cdot 16 \cdot 0,2$	$5 \cdot 1800 \cdot 8 \cdot 0,2 \text{€} + 5 \cdot 360 \cdot 16 \cdot 0,2$	
Electric bill	6 552	20 160	-67
<b>Evening sauna 16-22</b>			
Calculation formula	$5 \cdot 2160 \cdot 3 \cdot 0,2 \text{€} + (5 \cdot 360 \cdot 0,2 \cdot 16 \cdot 0,2)$	$5 \cdot 2160 \cdot 8 \cdot 0,2 \text{€} + 5 \cdot 360 \cdot 16 \cdot 0,2$	
Electric bill	12 240	23 040	-46
<b>Total electricity bill</b>	18 792	43 200	-56
Panel Cost	1 500	3 000	
Stove maintenance	1 730	1 730	
Purchase price + installation	9 000	3 000	
Life cycle cost	31 022	50 930	-38
Smart stove saving	19 908		
Savings for the next 5 years	28 908		



### SAUNASAMPO OY