

CONSUMPTION FIGURES OF ELECTRIC APPLIANCES

The electricity consumption figures below are average readings for new appliances.

Electricity price 15 c/kWh		Number of times used	kWh / year	about € / year
Dishwasher	kWh / usage 0,5 - 1,6	5 / week	130 - 416	20 - 62
Refrigeration appliances	kWh / 24 hrs			
-refrigerator	0,3 - 0,9		110 - 329	17 - 49
-deep-freeze refrigerator	0,6 - 1,9		219 - 694	33 - 104
-freezer	0,5 - 1,4		183 - 511	27 - 77
Cooker (kitchen range)	kWh / 24 hrs			
-2-person household	0,5	7 / week	182	27
-4-person household	1,0	7 / week	365	55
-heating the oven to 200 °C	0,5	3 / week	78	12
-keeping the oven at 200 °C for 1 hour	0,7	3 / week	109	16
Hood	kWh / 24 hrs 0,2	1 h / 24 hrs	73	11
Laundry	kWh / usage			
-washing machine	0,6 - 1,7	5 / week	156 - 442	23 - 66
-tumble dryer	1,9 - 5,5	5 / week	494 - 1430	74 - 215
-drying cabinet	4	5 / week	1040	156
Steam iron	kWh / hour 1	1 h / week	52	8
Towel drying radiator	kWh / 24 hrs 2,4		876	131
Sauna stove (1,5 h)	kWh / usage 8	2 / week	832	125
Vacuum cleaner	kWh / hour 1,5	1 h / week	78	12
Aquarium	kWh / 24 hrs 1		365	55
Coffee maker	kWh / 10 min. 0,1			
Electric kettle	0,2			
Microwave oven	0,2			
Toaster	0,2			

Electricity price 15 c/kW		Number of times used	kWh / year	about € / year
Television and external devices	kWh / hour			
-32" - 65" LCD	0,03 - 0,15	5 h / 24 hours	55 - 274	8 - 41
-43" - 75" LED	0,07 - 0,18	5 h / day	128 - 329	19 - 49
-48" - 83" OLED, QLED	0,09 - 0,19	5 h / day	164 - 347	25 - 52
-home theater projector	0,22-0,42	5 h / day	402 - 767	60 - 115
-recording digibox			100	15
-DVD player			19	3
Computer and external devices	kWh / hour			
-computer	0,14 - 0,50	8 h / 24 hrs	409 - 1460	61 - 219
-laptop	0,04	8 h / 24 hrs	117	18
-broadband modem			51	8
-multifunctional printer			32	5
-printer			19	3
Underfloor heating				
-6 m ²			1080 - 3960	162 - 594
-10 m ²			1800 - 6600	270 - 990
Heating appliances				
-2000 W			4400	660
Mechanical ventilation				
-2 rooms and kitchen			1080	162
-4 rooms and kitchen			1800	270
Air conditioner (cooling)	kWh / 24 hrs			
	3,5 - 7	90 days / year	315 - 630	47 - 95
Humidifier	kWh / hour			
	0,06 - 0,32	5 h / 24 hrs	110 - 584	17 - 88
Air purifier	kWh / hour			
	0,08	5 h / 24 hrs	146	22
Car				
-block heater			200	30
-interior heater			400	60
Electric car	kWh / km	km / year		
-home charging	0,20 *	~14 000 **	2800	420

* average consumption of an electric family car

** average kilometers with passenger cars in Finland

Calculating electricity consumption

1 kW = 1000 W

power (kW) x usage time (h) = consumption (kWh)

To establish usage cost, multiply consumption (kWh) with the electricity unit cost.

For example the power consumption of led-lamps (15 W) in eight hours is

0,015 kW x 8 h = 0,12 kWh, which costs 0,12 kWh x 15 c = 1,8 c.