

CONSUMPTION FIGURES OF ELECTRIC APPLIANCES

1.9.2013

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

1 kWh=12,21 c		Number of times used	kWh / year	about €/ year
Dishwasher	kWh / usage 0,5 - 1,6	5 / week	130 - 416	16 - 51
Refrigeration appliances	kWh / 24 hrs			
-refrigerator	0,3 - 0,9		110 - 329	13 - 40
-deep-freeze refrigerator	0,6 - 1,9		219 - 694	27 - 85
-freezer	0,5 - 1,4		183 - 511	22 - 62
Cooker (kitchen range)	kWh / 24 hrs			
-2-person household	0,5	7 / week	182	22
-4-person household	1,0	7 / week	365	45
-heating the oven to 200 °C	0,5	3 / week	78	10
-keeping the oven at 200 °C for 1 hour	0,7	3 / week	109	13
Hood	kWh / 24 hrs 0,2	1 h / 24 hrs	73	9
Laundry	kWh / usage			
-washing machine	0,6 - 1,7	5 / week	156 - 442	19 - 54
-tumble dryer	1,9 - 5,5	5 / week	494 - 1430	60 - 175
-drying cabinet	4	5 / week	1040	127
Steam iron	kWh / hour 1	1 h / week	52	6
Towel drying radiator	kWh / 24 hrs 2,4		876	107
Sauna stove (1,5 h)	kWh / usage 8	2 / week	832	102
Vacuum cleaner	kWh / hour 1,5	1 h / week	78	10
Aquarium	kWh / 24 hrs 1		365	45
Humidifier	kWh / hour 0,06 - 0,32	5 h / 24 hrs	110 - 584	13 - 71
Air purifier	kWh / hour 0,08	5 h / 24 hrs	146	18

1 kWh=12,21 c		Number of times used	kWh / year	about €/ year
Television and external devices				
	kWh / hour			
-picture tube	0,10	5 h / 24 hrs	183	22
-32" - 37" LCD	0,05 - 0,17	5 h / 24 hrs	91 - 310	11 - 38
-40" - 42" LCD	0,07 - 0,20	5 h / 24 hrs	128 - 365	16 - 45
-42" - 50" Plasma	0,17 - 0,48	5 h / 24 hrs	310 - 876	38 - 107
-digibox			49	6
-recording digibox			100	12
-DVD player			19	2
Computer and external devices				
	kWh / hour			
-computer	0,14 - 0,50	8 h / 24 hrs	409 - 1460	50 - 178
-laptop	0,04	8 h / 24 hrs	117	14
-broadband modem			51	6
-multifunctional printer			32	4
-printer			19	2
Underfloor heating				
-3 m ²			540 - 1980	66 - 242
-6 m ²			1080 - 3960	132 - 484
-10 m ²			1800 - 6600	220 - 806
Heating appliances				
-500 W			1100	134
-2000 W			4400	537
Flat-specific mechanized ventilation				
-2 rooms and kitchen			1080	132
-4 rooms and kitchen			1800	220
Air conditioner (cooling)				
	kWh / 24 hrs			
	3,5 - 7	90 days / year	315 - 630	38 - 77
Car				
-block heater			200	24
-interior heater			400	49
	kWh / 10 min.			
Coffee maker	0,1			
Electric kettle	0,2			
Microwave oven	0,2			
Toaster	0,1			

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 12,21 c = 1,47 c.

We lend out energy meters that you can use to measure the exact energy consumption of plug-connected household appliances yourself. The electricity consumption measured is affected not only by the power consumption and operating time of the appliance, but also by other factors such as the thermostatic setting, the placement, maintenance and care of the appliance, and how the appliance is used. Many appliances consume electricity (stand by) even when they are not used.

Energy Gallery, telephone (09) 617 2726 or (09) 617 2727