

Consumption figures of electric appliances

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

1 kWh=12,69 c		Number of times used	kWh / year	about € / year
Dishwasher	kWh / usage 0,5 - 1,6	5 / week	130 - 416	16 - 53
Refrigeration appliances	kWh / 24 hrs			
- refrigerator	0,3 - 0,9		110 - 329	14 - 42
- deep-freeze refrigerator	0,6 - 1,9		219 - 694	28 - 88
- freezer	0,5 - 1,4		183 - 511	23 - 65
Cooker (kitchen range)	kWh / 24 hrs			
- 2-person household	0,5	7 / week	182	23
- 4-person household	1,0	7 / week	365	46
- 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	14
Hood	kWh / hrs 0,2	1 h / 24 hrs	73	9
Laundry	kWh / usage			
- washing machine	0,6 - 1,7	5 / week	156 - 442	20 - 56
- tumble dryer	1,9 - 5,5	5 / week	494 - 1430	63 - 181
- drying cabinet	4	5 / week	1040	132
Steam iron	kWh / hour 1	1 h / week	52	7
Towel drying radiator	kWh / 24 hrs 2,4		876	111
Sauna stove (1,5 h)	kWh / usage 8	2 / week	832	106
Vacuum cleaner	kWh / hour 1,5	1 h / week	78	10
Aquarium	kWh / 24 hrs 1		365	46
Humidifier	kWh / hour 0,06 - 0,32	5 h / 24 hrs	110 - 584	14 - 74
Air purifier	kWh / hour 0,08	5 h / 24 hrs	146	19

1 kWh=12,69 c		Number of times used	kWh / year	about € / year
Television and external devices				
	kWh / hour			
- picture tube	0,10	5 h / 24 hrs	183	23
- 32" - 37" LCD	0,05 - 0,17	5 h / 24 hrs	91 - 310	12 - 39
- 40" - 42" LCD	0,07 - 0,20	5 h / 24 hrs	128 - 365	16 - 46
- 42" - 50" Plasma	0,17 - 0,48	5 h / 24 hrs	310 - 876	39 - 111
- digibox			49	6
- recording digibox			100	13
- DVD player			19	2
Computer and external devices				
	kWh / hour			
- computer	0,14 - 0,50	8 h / 24 hrs	409 - 1460	52 - 185
- laptop	0,04	8 h / 24 hrs	117	15
- broadband modem			51	6
- multifunctional printer			32	4
- printer			19	2
Underfloor heating				
- 3 m ²			540 - 1980	69 - 251
- 6 m ²			1080 - 3960	137 - 503
- 10 m ²			1800 - 6600	228 - 838
Heating appliances				
- 500 W			1100	140
- 2000 W			4400	558
Flat-specific mechanized ventilation				
- 2 rooms and kitchen			1080	137
- 4 rooms and kitchen			1800	228
Air conditioner (cooling)				
	kWh / 24 hrs			
	3,5 - 7	90 days / year	315 - 630	40 - 80
Car				
- block heater			200	25
- interior heater			400	51
	kWh / 10 min.			
Coffee maker	0,1			
Electric kettle	0,2			
Microwave oven	0,2			
Toaster	0,1			

Stand by

Microwave oven	2 - 6 W	TV	0,05 - 13 W
Induction hob	8 - 18 W	Digibox	1 - 13 W
Cooker with clock	2 - 6 W	Computer	8 - 20 W
Clock radio	1 - 3 W	CD player	0 - 18 W

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 compact fluorescent lamps (15 W) in eight hours is 0,015 kW x 8 h = 0,12 kWh, which costs 0,12 kWh x 12,69 c = 1,5 c.