

How Much Energy Do My Appliances Use?

Energy is an inescapable expense for all businesses. But have you ever wondered how much each appliance is costing you? Saving electricity (and money) is always easier when you know how much you're actually using.

How to calculate the amount of energy used by each appliance Power rating in kW x hours used per day

How to calculate the energy cost of each appliance kWh per day x unit cost = electricity cost per day

Fridge **150** watt **Energy unit cost** = 12.5p/kWh

24 hours per day

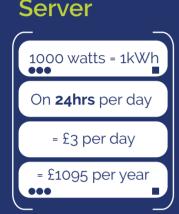
For example...

150kWh = 0.15kW $0.15kW \times 24 \text{ hours} = 3.6kWh$ $3.6kWh \times 12.5p = 45p per day$

Total = £164.25 a year

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Common appliances and their typical power ratings and cost* *Based on an average unit cost of 12.5p/kWh



Desktop Pc



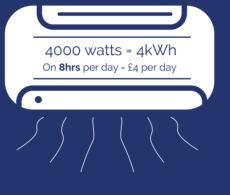
Laptop

50 watts = 0.05kWh On **8hrs** per day 5p per day

Microwave Oven



Air Conditioner



Kettle



Large Screen TV

On **8hrs** per day = 17p per day

170 watts = 0.17kWh

60 watt = 0.06kWh

Light Bulb

On **8hrs** per day = 6p per day

> Turn off appliances completely when not in use - don't leave them in standby mode.

Tips to save on electricity

- > Only boil the amount of water you need in the kettle. > Switch to low energy light bulbs.
- > If you're buying a new appliance, look for one with an 'A' rating for energy efficiency > Switch energy suppliers to avoid paying more than you need to.
- > Switch from desktops to laptops.



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