



Electricity costs and energy balance

Electricity costs in Switzerland

∅ - Cost 1kW per hour in Switzerland = sFr. 0.27

Consumption Hair dryer (Beluga): 2kW

∅ - Costs 2kW per hour in Switzerland = sFr. 0.54

Electricity costs per 2.5 min run (Beluga)

- 1 activation a day = **sFr. 0.02**
- 24 activations a day = **sFr. 0.54**
- 48 activations a day = **sFr. 1.09**
- 96 activations a day = **sFr. 2.18**
- 192 activations a day = **sFr. 4.36**
- 384 activations a day = **sFr. 8.72**

The hairdryer doesn't run 24 hours a day, but only when it is needed.

Advantages of hair dryers (Beluga)

Multiple use of heat:

- Drying hair
- Heats the room
- Room is dehumidified
- Kills germs and bacteria
- Lifespan 20-25 years

Fast & efficient hair drying

- High air volume
- High air pressure
- Efficient heat output 2kW

Advantage: Operator of a system thus saves a lot of energy

Disadvantages of small hair dryers:

- Low air volume
- Low air pressure
- Therefore longer drying time and thus higher energy costs
- Service life 4-5 months