

Benchmarking table-KanEnergi Sweden AB

Households:

1-person household, annual electricity consumption, without domestic hot water & heating		
low consumption: less than 2,000 kWh	average consumption: 2,000 – 3,000 kWh	high consumption: more than 3,000 kWh

2-person household, annual electricity consumption, without domestic hot water & heating		
low consumption: less than 2,500 kWh	average consumption: 2,500 - 3,500 kWh	high consumption: more than 3,500 kWh

Family household (3-4 persons), annual electricity consumption, without domestic hot water & heating (i.e. thermal use)		
low consumption: less than 5,000 kWh/year	average consumption: 5,000 – 6,500 kWh/year	high consumption: more than 6,500 kWh

The electricity used in households (excluding electricity for heating) has increased for every year. The average electrical consumption for one family houses is about 6 200 kWh or 41 kWh/m². The electricity consumption for cold appliances has decreased with almost 50 % compared with 1994 because of the energy label system. Still the consumption is rising mainly because of new equipment and the poor use of low energy bulbs.

Industry

Engineering industry		
low consumption: less than 200 kWh/m ²	average consumption: 250 kWh/m ²	high consumption: more than 300 kWh/m ²

Food industry		
low consumption: less than 300 kWh/m ²	average consumption: 350 kWh/m ²	high consumption: more than 400 kWh/m ²

Plastic industry		
low consumption: less than 300 kWh/m ²	average consumption: 400 kWh/m ²	high consumption: more than 500 kWh/m ²

Sweden has a high electrical consumption per industrial product compared to other countries. The main reason for this is that Sweden use a large amount of electricity to non electricity-specific processes, for example heating, drying, melting etc. The support processes, such as lighting, ventilation, compressed air, pumping, heating etc. are big electrical consumers (often 50 % or more of the total electricity consumption). The biggest opportunities to save electricity are consequently in these areas.