

Energy efficiency of household appliances and energy saving

Most of the energy consumption in our homes is caused by the use of household appliances. That is why it is important that consumers choose devices with better energy efficiency.

The choice of household appliance is also important due to the reduction of carbon dioxide emissions.

In order to get an insight into the situation in our immediate environment, we conducted a survey on a sample of 81 respondents. 80% of respondents knew that the letters A to G indicate the energy class of the device. The largest number of respondents, 43%, own household appliances with an average age of 2-5 years, which is better than the European average.

As many as 50% of respondents look at the functions that the device offers the most when buying, while only 25% put energy efficiency first.

49% of respondents are of the opinion that better energy efficiency of a household appliance is always associated with a significantly higher price, but this is not always true.

68% of respondents think that it is profitable to buy a more energy-efficient household appliance, even if it has a higher price. Almost 80% estimate that annual savings can be made on electricity if we use an energy efficiency device A.

In order to get an insight into the state of the market, we visited three stores specializing in the sale of household appliances, where we took data for refrigerators, televisions, stoves and washing machines. Devices of all brands, from A to G, are represented at all sales points. It is obvious that more energy-efficient devices do not, as is often thought, always have a higher price, and it is especially advantageous to buy on sale when you can buy a device of the highest class for the price of a less energy-efficient device.

In the range of stoves offered by the above shops, the A class predominates. The worst situation is with televisions, where classes from E to G prevail.

Considering the obtained results, the problem of educating citizens on this topic can be observed. Citizens could be educated through brochures, posters, newspaper articles, TV shows. Labels on energy classes should be displayed more clearly in stores. It is also important to encourage citizens to simply read the meter in order to monitor energy consumption and observe energy savings with new, more efficient devices.

Leaders:

Dubravka Dominović, Jasna Majić

Students: Patricija Vida, Dorijan, Šokčević, Trifković Doru