



Welcome to the Yearly Energy Cost Indication Project

The European project 'Yearly Appliance Energy Cost Indication' (YAECI) aims to provide consumers with information at the point of sale on the yearly running cost of products with an EU energy label, in order to stimulate the uptake of affordable energy efficient products.

Service for Consumers

Consumers are usually quite sensitive to cost effectiveness in their purchase decisions and there is an increasing demand from buyers to learn how much money a more energy efficient appliance will save compared to a less efficient one. Displaying the average yearly energy costs of appliances, the "Energy Cost Indicator" helps consumers make the best choice for themselves in the long term, both financially and from an environmental point of view.

Additional Information

The EU energy label currently provides the consumer with information on the energy efficiency, energy consumption and several other energy-related aspects of household products. However, the energy label lacks information on an aspect that many consumers find very important i.e. the product's (yearly) average running costs. To include the (yearly) average running costs on the EU energy label would not be feasible since energy prices vary

across the EU and over time. Therefore, retailers in Malta and other EU countries are now publishing the data on the products' yearly energy costs at the point of sale to help their customers make a better informed choice.

What are the advantages of the 'Energy Cost Indicator'?

To start with, it helps you make better comparisons between different appliances. When buying a new appliance consumers usually base their decision on price and quality. However, the purchase price is only part of the story. Some products may be more expensive to buy but they are actually cheaper in terms of energy consumption over the long term and will help you save on your electricity bill. So a more expensive appliance may be the most economical choice after all, and it is also good for the environment.



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Co-funded by the Intelligent Energy Europe
Programme of the European Union

The Energy Cost Indicator - Good for consumers

How does it work?

Which products are covered?

The 'Energy Cost Indicator' is currently available for refrigerators, freezers and combinations; dishwashers, washing machines, tumble dryers, combined washer-dryers, televisions, and air-conditioners.

How is the 'Energy Cost Indicator' calculated?

The calculation of the 'Energy Cost Indicator' is a process based on a number of methodologies for different product categories. The standard methodology to calculate the 'Energy Cost Indicator' for the above mentioned products is:

$$\text{Annual average running costs (Energy Cost Indicator)} = \text{Energy consumption according to the energy label (in kWh)} \times \text{Electricity price (per kWh) applicable to Malta}$$

For some products, such as washing machines and dishwashers, the 'Energy Cost Indicator' also provides the yearly average water costs. Depending on the date when they were placed on the market, products can have an old or a new energy label. In order to be able to compare appliances with an old and a new energy label, the usage patterns assumed by manufacturers have to be harmonised for some product categories with the help of specific calculation methodologies. Contact us or visit our website if you like to know more about how the 'Energy Cost Indicator' for appliances is calculated.

What are the rates for electricity and water?

The electricity and water rates used for calculating the 'Energy Cost Indicator' are applicable to Malta as at June 2013.

Electricity: €17.3 cents per kilowatt-hour (kWh) based on a yearly average consumption of 4100 kWh per household

Water: €3.2 per cubic meter (m³) based on a yearly consumption of 58m³ per person per household

We calculated these figures by using baseline studies from the National Statistics Office (NSO), Eurostat, the Malta Resources Authority (MRA), the Water Services Corporation (WSC) and the University of Malta. The rates will be adjusted in certain intervals and the project partners will undertake random compliance checks to make sure participating retailers use the latest rates for their appliances.



Buying smarter!

The 'Energy Cost Indicator' provides you with factual and reliable information since it is facilitated by a European consortium of independent energy efficiency experts, and part-funded by the EU.

Reliable

Energy efficiency contributes largely to a more sustainable society, which is important for our future, our children's future and for the future of the planet. In this context, by buying more energy efficient appliances we can contribute widely towards reducing CO₂-emissions and our utility bills.

Environmentally sound

When shopping for new household appliances keep in mind that the annual running costs are not only influenced by the energy consumption. Additional features or the volume capacity could also have an influence on the consumption. For example, a highly efficient A+++ washing machine with a capacity of 8kg can in fact consume more energy than a less efficient A++ 6kg washing machine.

How to compare?

Don't worry! Actual energy and water consumption of household appliances largely depends on usage patterns, number of persons in a household, or in some cases ambient temperatures. Keep in mind that the 'Energy Cost Indicator' is based on the same parameters in all participating shops in Malta. Consequently, this allows you to compare the yearly costs of different products of the same type, even if your actual usage is different from our estimations. Your retailer can also help you calculate the yearly running costs depending on your personal situation.

What if I use my appliances more or less often than the average?

In the participating shops, consumers can usually find the 'Energy Cost Indicator' close to the products' price tag. Ask a shop assistant for help if you cannot find it. For a list of participating shops in Malta visit www.appliance-energy-costs.eu/mt/participating-retailers-mt/

Where can I find the 'Energy Cost Indicator'?



Households in Malta should watch out for the 'Energy Cost Indicator' while shopping for new appliances

There for you...

The 'Energy Cost Indicator' is based on a harmonised system to calculate the yearly average running costs of household appliances that carry an EU energy label. It is facilitated by independent experts, the European Commission, appliance manufacturers and your local retailers. For more information about the 'Energy Cost Indicator' in Malta visit our website

www.appliance-energy-costs.eu/mt

or get in touch with us via phone on 2142 0852 or email info@pim.com.mt

Tips to save Energy

Choose the most economical appliance

Are you buying a new appliance? Then choose one that fits your household: a large fridge or television uses more electricity than a small one.

Lower consumption = lower electricity costs

Compare the annual electricity costs of the different appliances you have in mind. If they're not displayed, then look at the energy label (the category with the darkest green is the most energy efficient, usually A+++)

 or ask about its electricity consumption at the shop.

Avoid energy leakage

Appliances on stand-by still use electricity. You can reduce this by disconnecting them when you don't use them. This is especially the case for older appliances.



Further information

Want to find out more?

Visit www.appliance-energy-costs.eu/mt

or contact your local YAEI project partner

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