

## REPAIRING OR REPLACING?

Production of new appliances requires a lot of resources. Therefore you should consider repairing instead of replacing whenever possible.

Future Circular Economy strategies of the EU and Member States will support remanufacturing and the reuse of components and materials in new products.

Refrigerators, freezers, washing machines, combined washer-dryers and televisions are subject to special disposal requirements. You can find more information about how to dispose of your appliance in the products manual from the manufacturer.



All electrical and electronic equipment are subject to special disposal requirements.  
Please consider the specific requirements.

Further information about the rescaling of each product category is available online:  
[www.label2020.eu/downloads](http://www.label2020.eu/downloads)

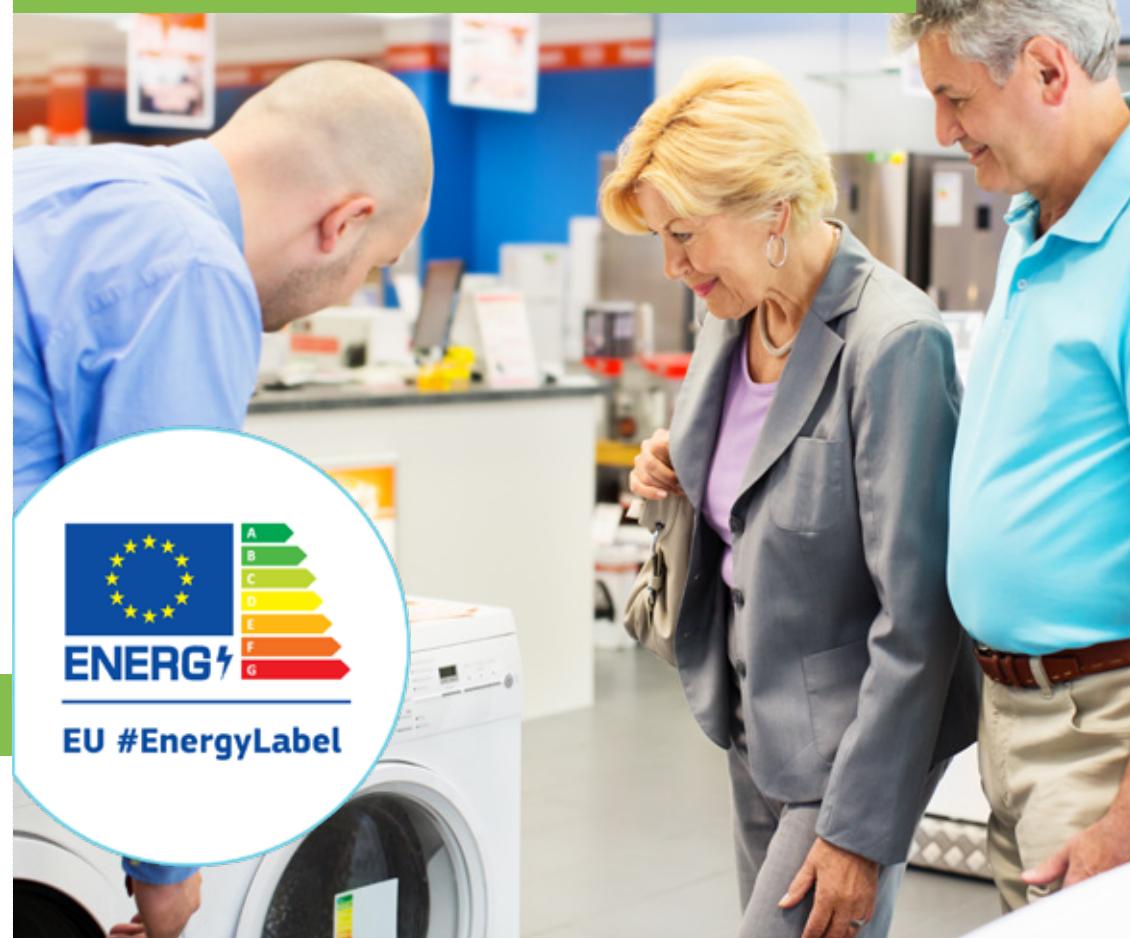


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## THE NEW EU ENERGY LABEL MAKES DECISIONS EASIER



[www.label2020.eu](http://www.label2020.eu)

# INTRODUCTION

For more than 20 years the energy label has supported and guided consumers in the search of energy efficient products. However, the "A+++ -scheme" has become less transparent. The European Commission and the Member States have therefore decided to redesign and simplify the label with a common energy efficiency scale from A to G for all product groups.

The introduction of new labels starts in 2021 for refrigerators, wine coolers, freezers, washing machines, combi-

ned washer-dryers, dishwashers, light sources, televisions and electronic displays.

From the 1st of March 2021 the new energy label will help you with your selection of energy efficient appliances and will encourage manufacturers to develop even more energy efficient products in the future. The new label for light sources will be introduced on 1st September 2021, new labels for other product groups will follow after 2021.

## What are the main differences between the old energy label and the rescaled label?

The overall design of the rescaled energy labels is very similar to the old labels. The main differences are:

- A uniform A - G scale for all product groups.
- A QR-code that directly links to a new EU product database (EPREL) where you can find and compare further product information.
- New pictograms support the comparison of product features, e.g. energy consumption in different operation modes for televisions or the duration of the Eco-Programme for washing machines and dishwashers.

## Can I compare energy consumption information on the old label and the new label?

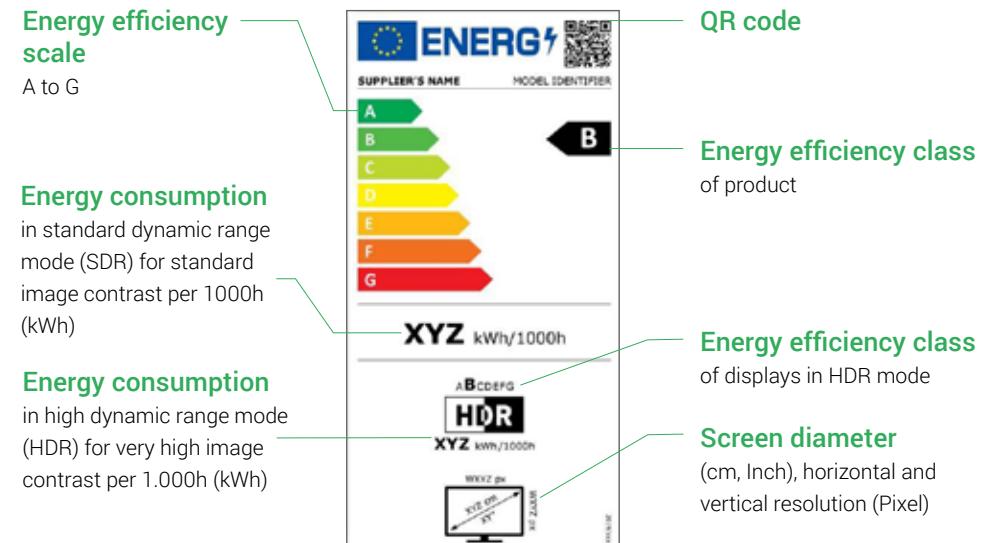
No, you should not directly compare between the old and the new label. With the revised requirements, some test and calculation methods have

changed, which means that some values on the rescaled label may deviate from the old label.



# TELEVISIONS AND ELECTRONIC DISPLAYS

## The new energy label for televisions and electronic displays



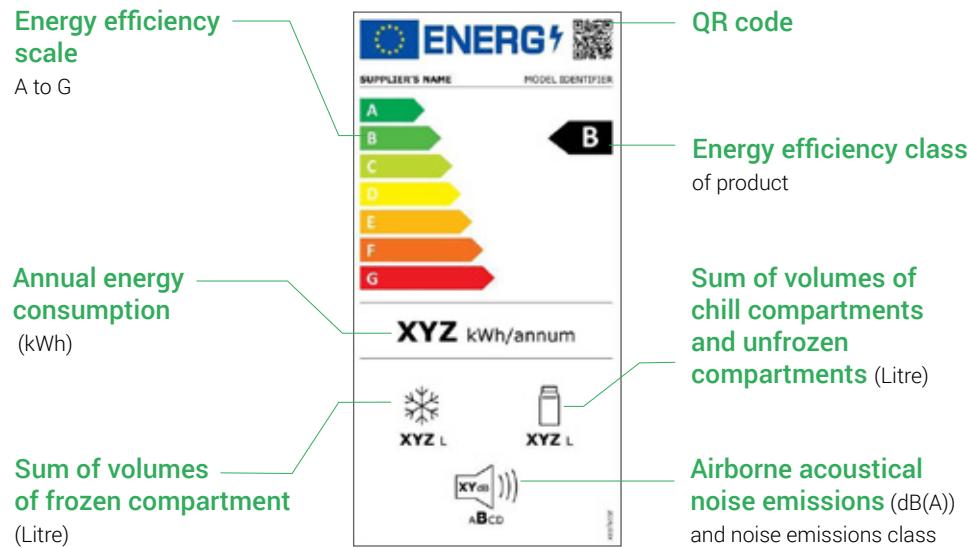
## Tips for selection of televisions and electronic displays

- Energy consumption increases with screen size. Always compare the efficiency class and the energy consumption. Choose the appropriate size depending on your viewing distance. The required distance depends on the resolution of the video content.
- Most current TV-models provide 4K-resolution although 4K-sources are still relatively rare (most TV programs are in HD or lower resolution). 8K means higher energy consumption. As 8K-content will be very limited for the upcoming years this high resolution is not recommended for average users.
- Compare the energy consumption of TV or display models by using information portals including e.g. EPREL (see information on [www.label2020.eu](http://www.label2020.eu)). Label2020 will offer a web-app tool for smart phones supporting product comparison and calculation of life time costs for products.
- Modern TVs provide an automatic brightness control (ABC) which adapts the brightness depending on the ambient light. Further energy saving features may include a presence sensor turning off the TV when nobody is watching. Check smart energy saving features of models.



# COLD APPLIANCES

## The new energy label for refrigerators and freezers

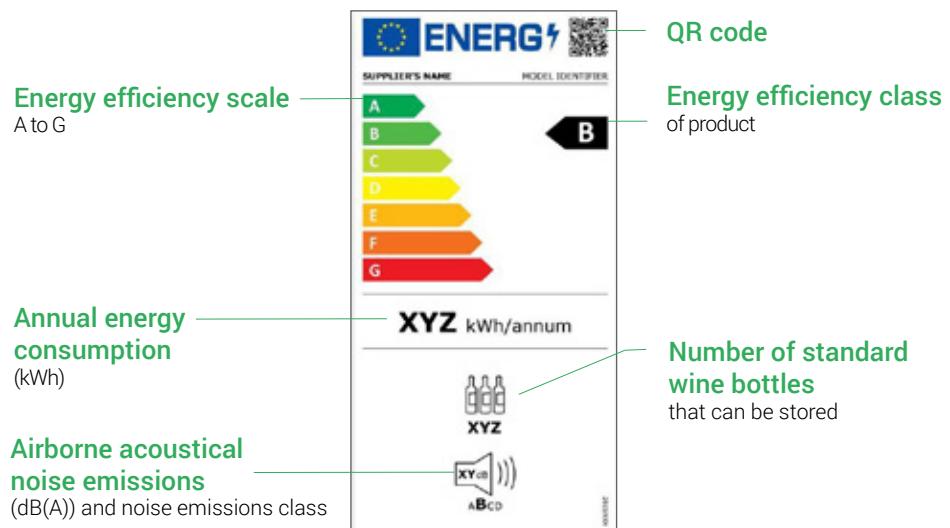


## Tips for selection of refrigerators and freezers

- Do you need a separate refrigerator and freezer or is a refrigerator-freezer appropriate for your needs? Large freezing capacity in a separate freezer may not be needed. When selecting a separate freezer, consider that chest-freezers are more efficient than vertical freezers.
- Concerning the volume of the refrigeration compartment, 120 litres on average are appropriate for a single person household. 30-40l may be added per additional person in the household.
- Avoid oversizing of your appliance and choose the size of the different chill (biofresh), standard refrigeration and freezing compartments of your fridge-freezer according to your specific needs.
- Chill or biofresh compartments are designed to store fresh food like fish, meat and vegetables at lower temperatures (1-4°C) thereby increasing storage life. Other types of foods can be stored in the standard refrigeration compartments at e.g. 7°C.

- An auto defrost freezer has a higher energy consumption. You do not need auto defrost if you defrost your freezer manually once or twice a year.
- Consider the noise emission of the refrigerator in particular if it is placed in a combined kitchen – living room. Even an increase of only 3 dB of noise level is well noticeable and may reduce comfort.

## The energy label for wine coolers



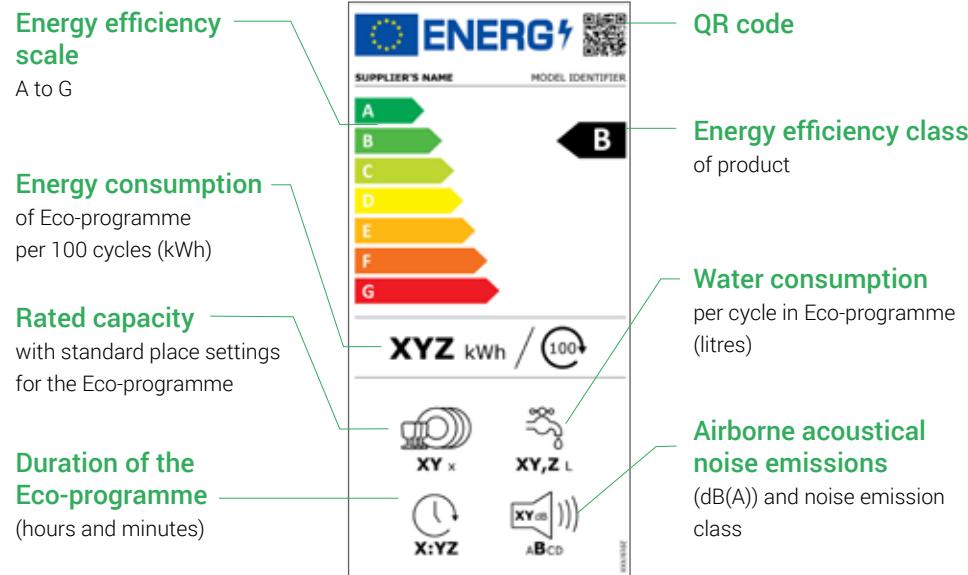
## Tips for selection of wine coolers

- The capacity of wine coolers will be indicated as the number of bottles that can be stored.
- Wine coolers only should be used where necessary. For long-term storage cellars are preferable. Short term cooling often can be accomplished in normal refrigerators.



# WET APPLIANCES

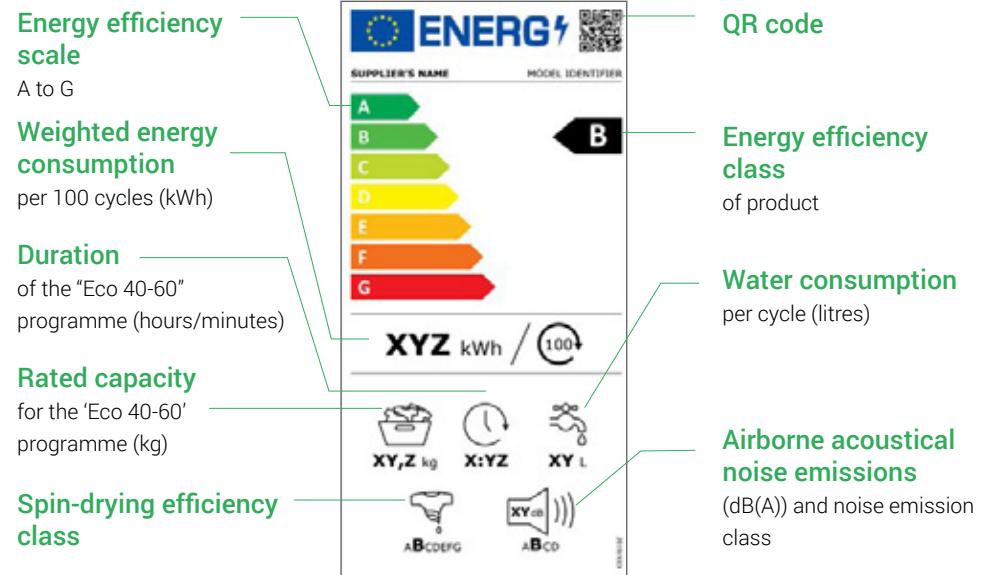
## The new energy label for dishwashers



## Tips for selection of dishwashers

- Select the dishwasher capacity suitable for your household. Standard-dishwashers provide 9-14 place-settings. Ensure that the dishwasher is used with full-load whenever possible.
- Use the Eco-programm whenever possible to ensure highest energy efficiency. The Eco-program takes more time than other standard programs but uses less energy. Ensure that the duration of the Eco programme meets your expectations and does not prevent frequent use.
- Consider the noise level of the dish-washer in particular when you place it in a combined kitchen and living room. An increase of only 3 dB is well audible and may reduce comfort.

## The new energy label for washing machines



## Tips for selection of washing machines

- Select a washing machine with appropriate capacity. For small households a capacity of 5-6kg may be suitable for larger households 8-10kg may be preferred. Large machines despite potentially high efficiency use more energy.
- Use the Eco 40-60 programme whenever possible to ensure high efficiency. Ensure that the duration of the Eco programme meets your expectations and does not prevent frequent use.
- Consider the spin-drying efficiency. Spin drying reduces subsequent energy consumption in dryers.
- Consider the noise-level of the washing machine in particular if you have to place it in the kitchen or near living rooms. An increase of only 3 dB is well audible and may reduce comfort.



## LIGHT SOURCES

### The new energy label for light sources



Energy efficiency class of product

QR code

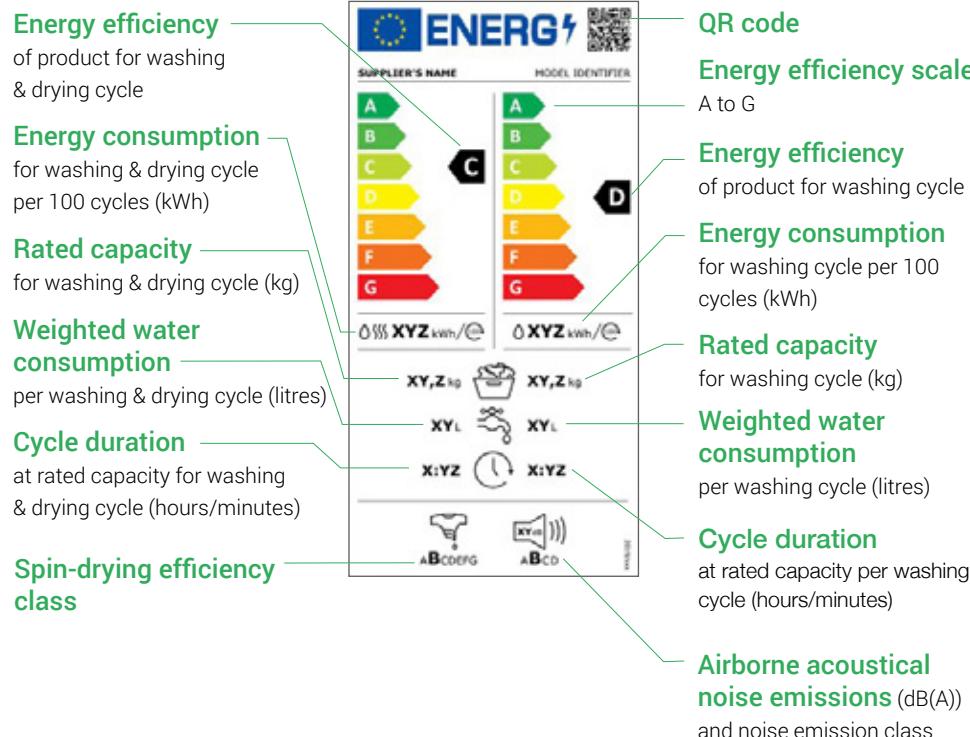
### Energy efficiency scale

A to G

### Energy consumption

per 1.000h (kWh)

### The new energy label for combined washer-dryers



### Tips for selection of washer-dryers

- Washer-dryers are less energy efficient than a combination of a separate washing machine and a dryer. So in case you have sufficient space and the drying feature is used frequently, two separate appliances are recommended.
- Washer-dryers drying capacity is typically lower than the washing capacity.

### Tips for selection of light sources

- Make sure that the “brightness” of the lamp (luminous flux) suits your purpose.
- Check the socket type and dimensions of your luminaire or light fitting to make sure that the light source fits.
- If you want to show lifelike colours of objects in your home (e.g. of paintings etc.) select a lamp with high colour rendering ( $R_a > 90$ ).
- If you prefer “warm-white” light (typical for former incandescent lamps) choose a product with a colour temperature between 2.700-3.000K. If you want a more neutral white light (e.g. for work places, kitchen) choose a light source with 3.500-4.000K.
- Check your dimmer specifications before you buy a dimmable light source to ensure that the light source fits.