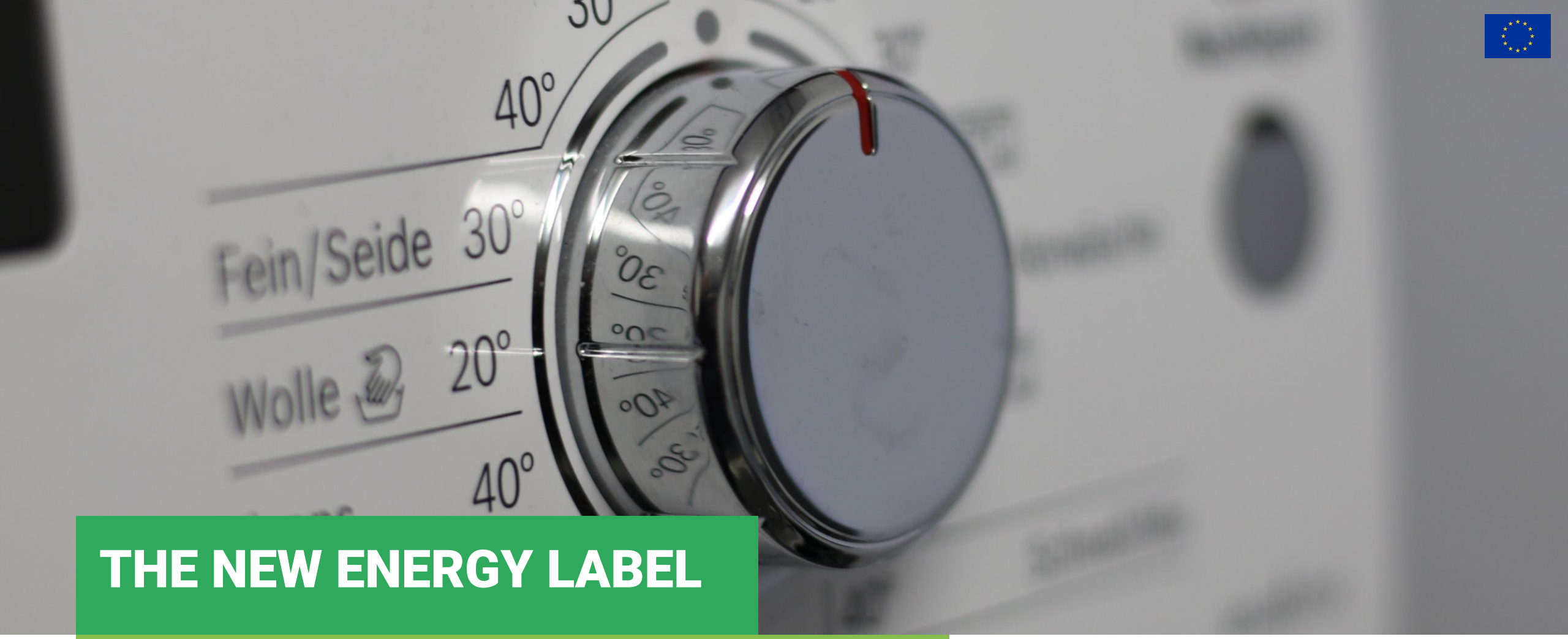


THE NEW ENERGY LABEL

INTRODUCTION FOR RETAILERS

Austrian Energy Agency

LABEL 2020

CONTENT

THE NEW ENERGY LABEL

PURPOSE AND BENEFITS

THE NEW ENERGY LABEL – PURPOSE AND BENEFITS

THE EU ENERGY LABEL … A SUCCESS STORY SO FAR …

- ✓ The EU Energy Label has driven the development of more and more energy efficient products for more than 25 years.
- ✓ The EU Energy Label has driven the development of innovative efficient products.
- ✓ Energy consumption and energy costs of appliances have dramatically been reduced.

WHY A NEW LABELLING SCHEME?

- → The currently used A+++/G labelling scheme has become less effective.
- → The majority of products are already in the 2 – 3 top classes today.
- → The difference between A+, A++ and A+++ is less obvious for consumer.
- → Manufactures are less inclined to develop more efficient products.

On March 1st 2021 the new rescaled label will be introduced and will only include the energy classes A to G.

LABEL 2020

BENEFITS FOR CONSUMERS WHEN BUYING A MORE EFFICIENT PRODUCT

- ✓ **EU energy labels provide a clear and simple indication of the energy efficiency of products**
- ✓ **Consumers save money on their household energy bills, while reducing greenhouse gas emissions**

When consumers choose products in the best available energy class they can achieve substantial savings…

→ Choosing an A++ class tumble drier over a B class saves you 2.900 kWh translating into savings of 783 Euro* over the product lifetime.

→ Choosing an A+++ refrigerator (200 l) over an A+ product saves you 600 kWh translating into savings of 162 Euro* over the product lifetime.

→ Choosing an A+++ refrigerator and freezer (200/100 l) compared to a similar A+ saves you 1.500 kWh translating into savings of 405 Euro* over the product lifetime.

→ If you are watching 4 hours of TV daily on an A++ class 52” LED flat screen TV compared to a B class TV you save 1.000 kWh translating into savings of 270 Euro* over the product lifetime.

* KWh price 0,27 EUR.

LABEL 2020

WHICH LABELS WILL BE NEW IN 2021?

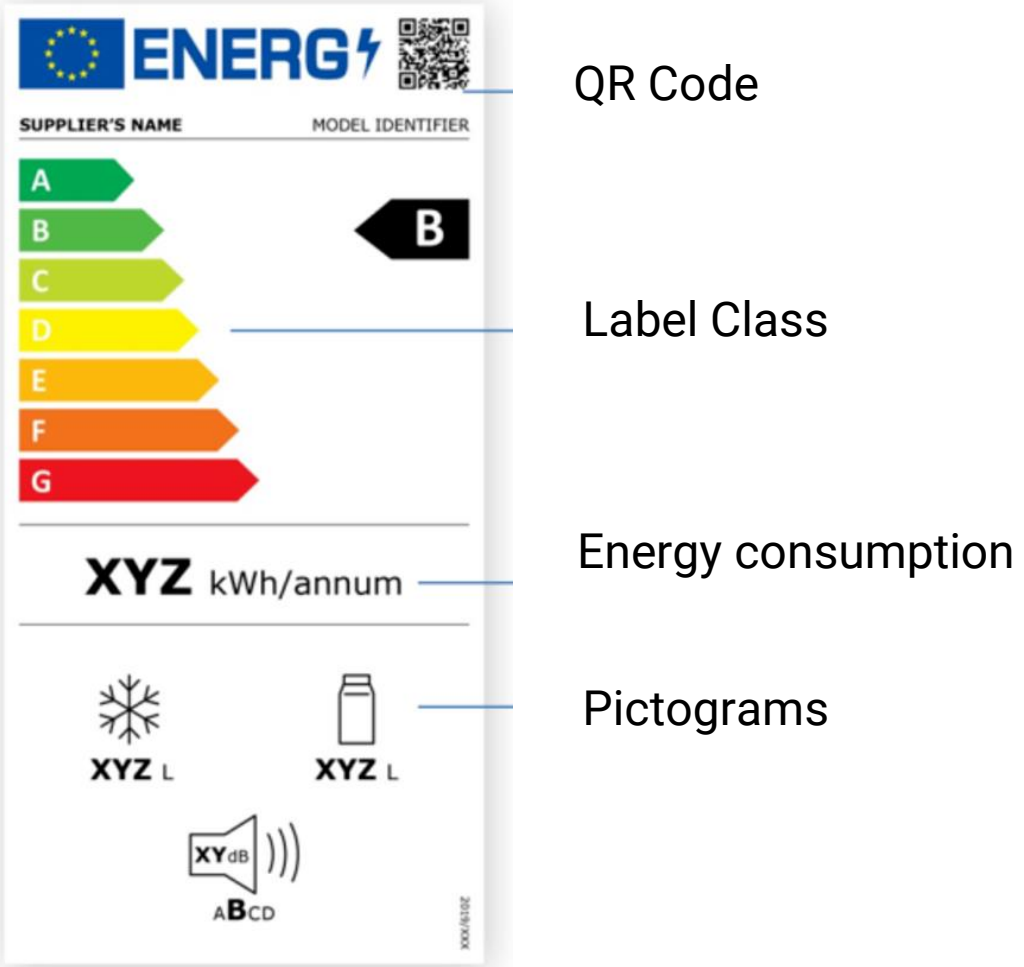
The introduction of the new labels will be arranged stepwise depending on the specific EU regulations.

In 2021 new labels will be implemented in physical stores and online shops for 5 product groups.

- → Household refrigerators and freezers
- → Washing machines and washer-dryers
- → Dishwashers
- → TVs and electronic displays
- → Light Sources

WHAT ARE THE MAIN DIFFERENCES BETWEEN THE OLD AND NEW LABEL?

- A uniform A-G scale is used for all products
- A QR-Code which will provide a direct link to the label database of the European Commission supporting transparency and easier market surveillance by national authorities
- The energy consumption of the products is shown in a more prominent and uniform way in the middle section of the label
- Several pictograms indicating product features have been revised and some have been newly introduced

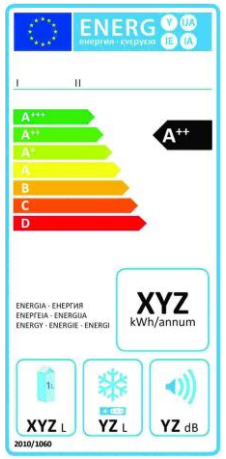


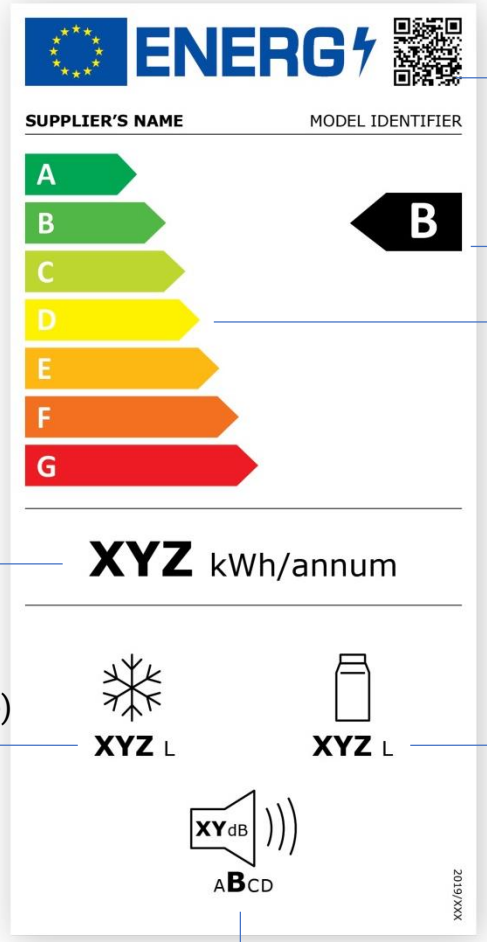
PRODUCT GROUPS

NEW LABEL FEATURES & PIS

NEW LABEL FOR REFRIGERATORS AND FREEZERS

Old Label





QR Code

Energy efficiency class of product

Energy efficiency scale A to G

Annual energy consumption (kWh)

Sum of volumes of frozen compartment (Litre)

Sum of volumes of chill compartments and unfrozen compartments (Litre)

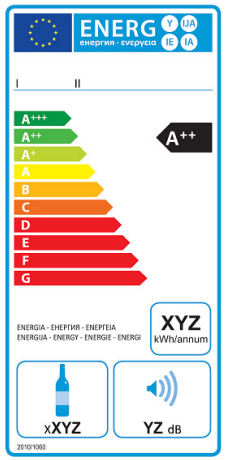
Airborne acoustical noise emissions (dB(A)) and noise emission class

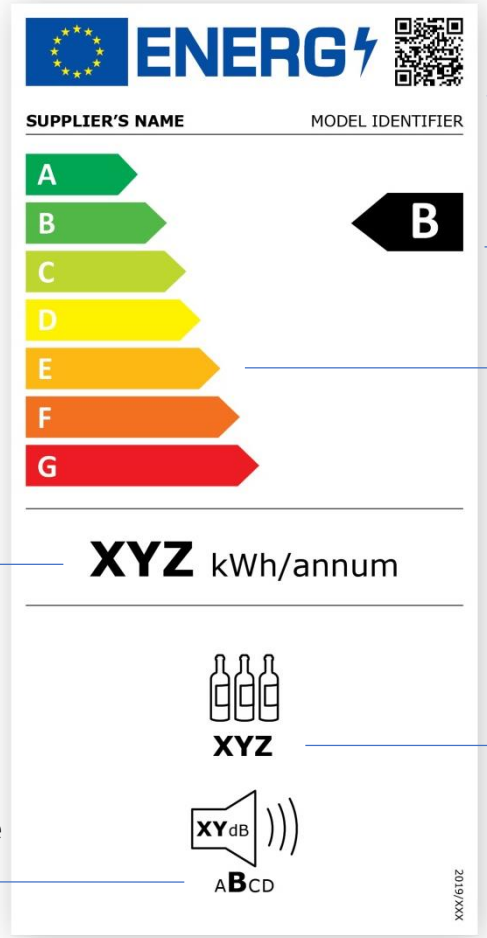
Differences compared to old

- Different icon for chill and unfrozen compartments
- Different icon for noise emission and additional indication of noise emission class

NEW LABEL FOR WINE STORAGE REFRIGERATORS

Old Label





QR Code

Energy efficiency class of product

Energy efficiency scale A to G

Annual energy consumption (kWh)

Number of standard wine bottles that can be stored

Airborne acoustical noise emissions (dB(A)) and noise emission class

Differences compared to old label

- New icon for wine bottles
- Different icon for noise emission and additional indication of noise emission class

PRODUCT INFORMATION SHEET: REFRIGERATING APPLIANCES

The information to be entered into the PIS

General information:

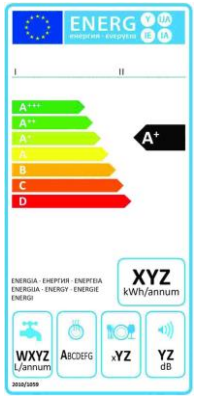
- **Supplier's name or trade mark**
- **Supplier's address**
- **Model identifier**
- **Type of refrigerating appliance**
- **Minimum duration of the guarantee offered by the manufacturer**
- **Additional information**

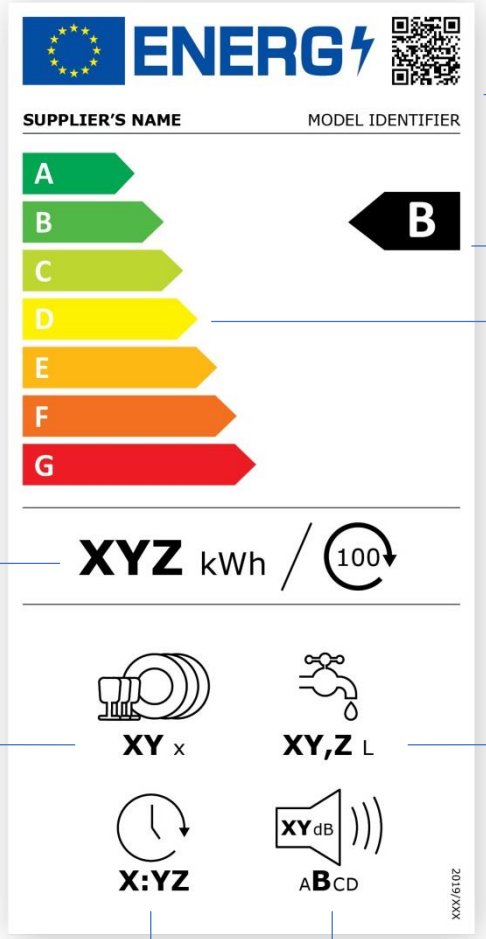
For full version of the Product Information Sheet refer to EU Legislation link

General product parameters	
Overall dimensions (millimetre)	Total volume (dm3 or l)
Energy efficiency index	Energy efficiency class
Airborne acoustical noise emissions (dB(A) re 1 pW)	Airborne acoustical noise emission class
Annual energy consumption (kWh/a)	Climate class
Minimum ambient temperature (°C)	Maximum ambient temperature (°C)
Winter setting	
Compartment parameters	
Compartment type: Pantry, Wine Storage, Cellar, Fresh food, Chill, 0-stat or ice-making, 1-star – 4-star , 2-star section, Variable temperature comp., for 4-star comp. – fast freeze facility;	
Light source parameters	
Type of light source	Energy efficiency class

NEW LABEL FOR DISHWASHERS

Old Label





QR Code

Efficiency class of product

Energy efficiency scale A to G

Energy consumption in Eco-programme per 100 cycles (kWh)

Rated capacity in standard Place settings for the Eco-programme

Water consumption per cycle in Eco-programme (litres)

Duration of the Eco-Programme (hours and minutes)

Airborne acoustical noise emissions (dB(A)) and noise emission class

Differences compared to old

- Energy consumption specified consumption in Eco- programme per 100 cycles
- Weighted water consumption per cycle in Eco programme
- Duration of the Eco-programme
- Noise emission and noise emission class

PRODUCT INFORMATION SHEET: DISHWASHERS

The information to be entered into the PIS

General information:

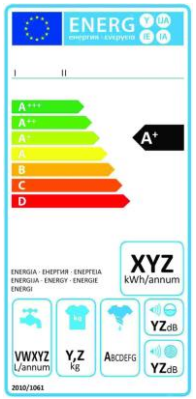
- **Supplier‘s name or trade mark**
- **Supplier‘s address**
- **Model identifier**
- **Minimum duration of the guarantee offered by the supplier**
- **Additional information**

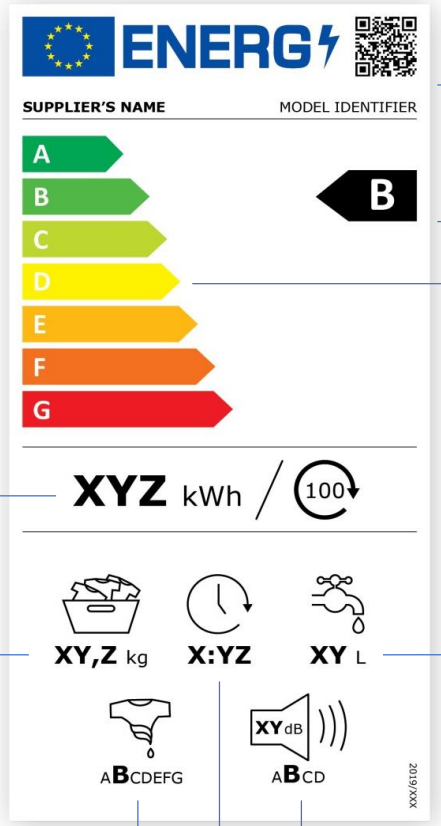
For full version of the Product Information Sheet refer to EU Legislation link

General product parameters	
Rated capacity (ps)	Dimensions in cm
Energy efficiency index	Energy efficiency class
Cleaning performance index	Drying performance index
Energy consumption in kWh per cycle	Water consumption in litre per cycle
Programme duration (h:min)	Type
Airborne acoustical noise emissions (dB(A) re 1 pW)	Airborne acoustical noise emission class
Off-mode (W)	Standby mode (W)
Delay start (W) (if appl.)	Networked standy (W) (if appl.)

NEW LABEL FOR WASHING MACHINES

Old Label





QR Code

Energy efficiency class of product

Energy efficiency scale A to G

Weighted energy consumption per 100 cycles (kWh)

Rated capacity for the „Eco 40-60“ programme (kg)

Weighted water consumption per cycle (litres)

Spin-drying efficiency class

Duration of the “Eco 40-60” programme (hours/minutes)

Airborne acoustical noise emissions (dB(A)) and noise emission class

Differences compared to old label

- Energy consumption specified as weighted consumption per 100 cycles
- Rated capacity for the “Eco 40-60” programme
- Weighted water consumption per cycle
- Noise emissions only for spinning not for washing but additional information on noise emission

PRODUCT INFORMATION SHEET: WASHING MACHINES

The information to be entered into the PIS

General information:

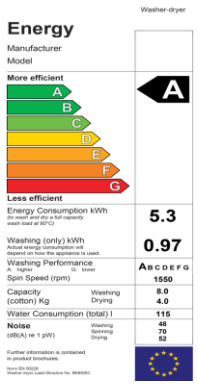
- **Supplier‘s name or trade mark**
- **Supplier‘s address**
- **Model identifier**
- **Minimum duration of the guarantee offered by the supplier**
- **Additional information**

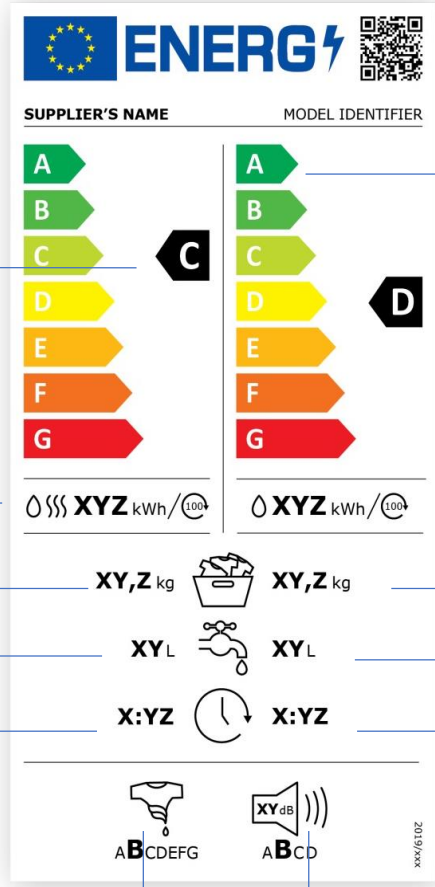
For full version of the Product Information Sheet refer to EU Legislation link

General product parameters	
Rated capacity (kg)	Dimensions in cm
Energy efficiency index	Energy efficiency class
Washing efficiency index	Rinsing effectiveness (g/kg)
Energy consumption in kWh per cycle	Water consumption in litre per cycle
Maximum temperature inside the treated textile (°C)	Remaining moisture content (%)
Spin speed (rpm)	Spin-drying efficiency class
Programme duration (h:min)	Type
Airborne acoustical noise emissions in the spinning phase (dB(A) re 1 pW)	Airborne acoustical noise emission class (spinning phase)
Off-mode (W)	Standby mode (W)
Delay start (W) (if appl.)	Networked standy (W) (if appl.)

NEW LABEL FOR WASHER-DRYERS

Old Label





Energy efficiency of product for washing & drying cycle

Energy consumption for washing & drying cycle per 100 cycles (kWh)

Rated capacity for washing & drying cycle (kg)

Weighted water consumption per washing & drying cycle (Litre)

Cycle duration at rated capacity for washing & drying cycle (hours/minutes)

Spin drying efficiency class

QR Code

Energy efficiency scale A to G

Energy efficiency of product in Washing cycle

Energy consumption for washing cycle per 100 cycles (kWh)

Rated capacity for washing cycle (kg)

Weighted water consumption per washing cycle (Litre)

Cycle duration at rated capacity for washing cycle (hours/minutes)

Airborne acoustic noise emissions (dB(A)) for spinning in "Eco 40-60" Programme and noise emission class

Differences compared to old label

- Energy consumption specified as weighted consumption per 100 cycles
- Rated capacity for "wash & dry cycle" and for washing cycle
- Weighted water consumption "wash & dry cycle" and for washing cycle
- Noise emissions for spinning including noise emission class
- Duration of "wash & dry cycle" and for washing cycle

LABEL 2020

PRODUCT INFORMATION SHEET: WASHER-DRYERS

The information to be entered into the PIS

General information:

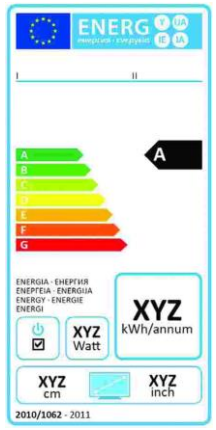
- **Supplier‘s name or trade mark**
- **Supplier‘s address**
- **Model identifier**
- **Minimum duration of the guarantee offered by the supplier**
- **Additional information**

For full version of the Product Information Shett refer to EU Legislation link

General product parameters	
Rated capacity (kg)	Dimensions in cm
Energy efficiency index	Energy efficiency class
Washing efficiency index	Rinsing effectiveness (g/kg dry textile)
Energy consumption in kWh per cycle	Water consumption in litre per cycle
Maximum temperature inside the treated textile (°C)	Remaining moisture content (%)
Spin speed (rpm)	Spin-drying efficiency class
Eco 40-60 programme duration (h:min)	Wash and dry cycle duration (h:min)
Airborne acoustical noise emissions in the spinning phase (dB(A) re 1 pW)	Airborne acoustical noise emission class (spinning phase)
Off-mode (W)	Standby mode (W)
Delay start (W) (if appl.)	Networked standy (W) (if appl.)

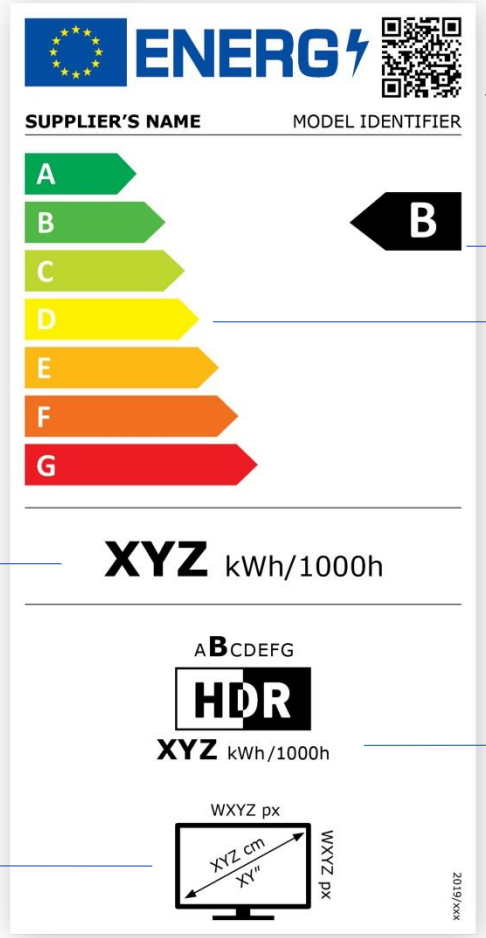
NEW LABEL FOR TVS AND ELECTRONIC DISPLAYS

Old Label



Energy consumption in standard dynamic range mode (SDR) per 1000h (kWh)

Screen diameter (cm, Inch), horizontal and vertical resolution (Pixel)



QR Code

Energy efficiency class of product

Energy efficiency scale A to G

Energy consumption in high dynamic range mode (HDR) per 1000h (kWh)

Differences compared to old label

- Energy consumption specified per 1.000h of operation
- Indication of energy consumption in high dynamic range mode per 1.000h of operation
- No more indication of power (W)
- No more indication of hard switch
- Indication of horizontal and vertical number of pixels

PRODUCT INFORMATION SHEET: TVS AND ELECTRONIC DISPLAYS

The information to be entered into the PIS

General information:

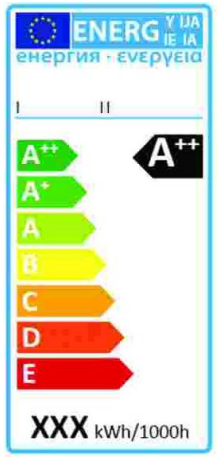
- **Supplier's name or trade mark**
- **Model identifier**

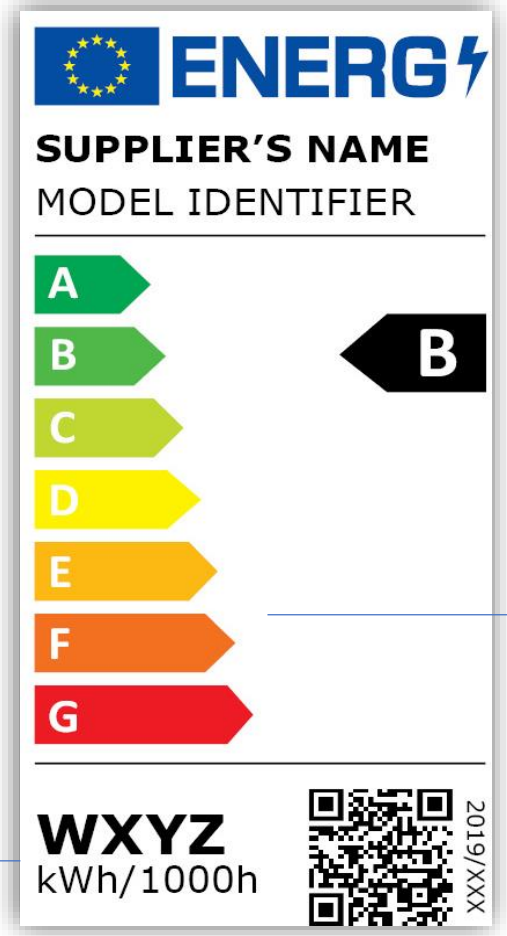
For full version of the Product Information Sheet refer to EU Legislation link

Information	
Energy efficiency class for standard Dynamic Range (SDR)	Visible screen area
On mode power demand for Standard Dynamic Range (SDR)	Panel technology used
Energy efficiency class (HDR)	Automatic Brightness Control (ABC) available
On mode power demand in High Dynamic Range (HDR) mode	Voice recognition sensor available
Off mode, power demand	Room presence sensor available
Standby mode power demand	Image refresh frequency rate
Networked standby mode power demand	Minimum guaranteed availability of software and firmware updates (until)
Electronic display category	Minimum guaranteed availability of spare parts (until)
Size ratio	Minimum guaranteed product support (until)
Screen resolution (pixels)	Power supply type
Screen diagonal	

NEW LABEL FOR LIGHT SOURCES

Old Label





Energy efficiency class of product

Energy efficiency scale A to G

Energy consumption per 1000h (kWh)

QR Code

Differences compared to old label

- No differences compared to previous information

PRODUCT INFORMATION SHEET: LIGHT SOURCES

The information to be entered into the PIS

General information:

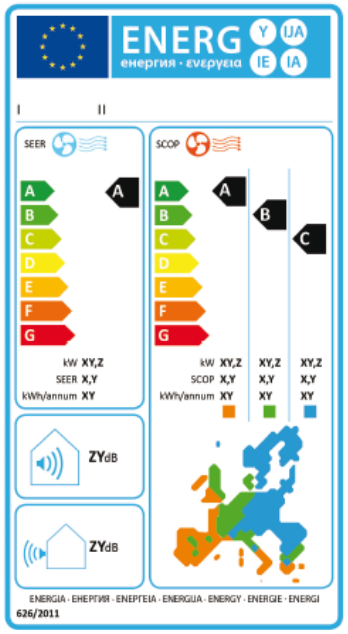
- **Supplier‘s name or trade mark**
- **Supplier‘s address**
- **Model identifier**
- **Type of light source**

For full version of the Product Information Sheet refer to EU Legislation link

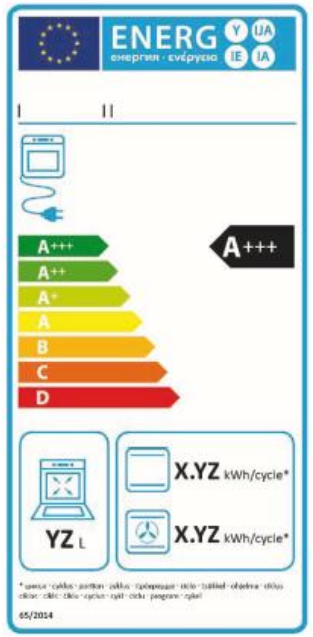
General product parameters	
Energy consumption in on-mode (kWh/1 000 h)	Energy efficiency class
Useful luminous flux (Φuse), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set
On-mode power (Pon), expressed in W	Standby power (Psb), expressed in W and rounded to the second decimal
Networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set
Outer dimensions without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Spectral power distribution in the range 250 nm to 800 nm, at full-load
Claim of equivalent power	If yes, equivalent power (W)
Further specific parameters for directional light sources, LED & OLED light sources consult Legislation Document.	

LABELS THAT REMAIN IN FORCE AFTER THE 1ST OF MARCH 2021

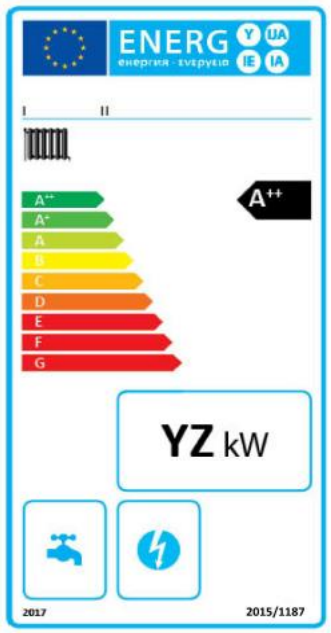
Air conditioners



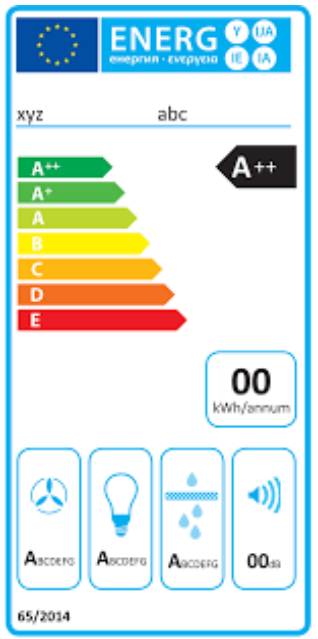
Domestic ovens



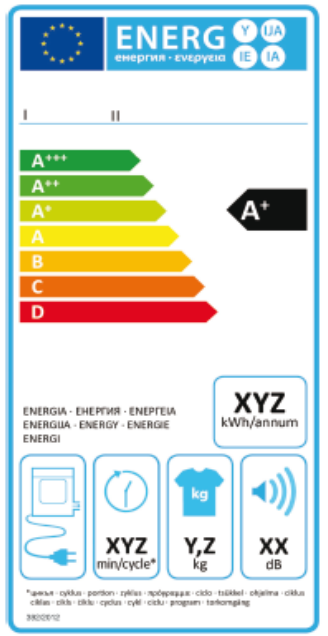
Fuel boilers



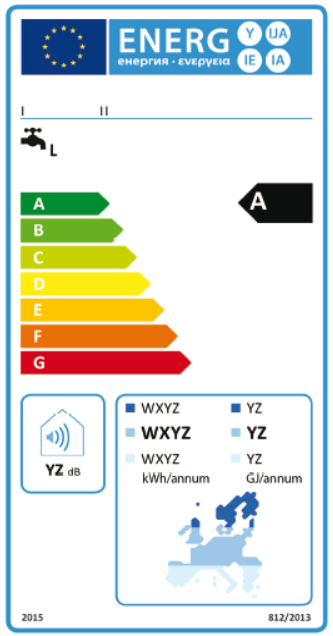
Range hoods



Tumble dryers



Water heaters



LAUNCH OF THE NEW LABELS

TIMELINES, FAQS, EPREL DATABASE

LABEL REPLACEMENT FOR HOUSEHOLD APPLIANCES, ELECTRONIC DISPLAYS AND TVS

PRODUCTS PLACED ON THE MARKET BEFORE 1. 11. 2020 AND STILL PLACED ON THE MARKET AFTER THAT DATE

from 1.11.2020 to 28.2.2021

4 months transition period

- Suppliers to re-register in EPREL a product which has a rescaled label on the basis of the reviewed regulation
- Suppliers to provide the 2 labels and information sheets with new units of products
- Suppliers, on request by the dealers, to provide the new labels for products in their (dealers') stock

from 1.3.2021 to 18.3.2021

Label replacement in stores and online shops

- Old labels on display to be replaced by the rescaled labels within 14 working days.
- In case of internet or distance selling see additional requirements
- For displays see additional requirements

LABEL REPLACEMENT FOR HOUSEHOLD APPLIANCES, ELECTRONIC DISPLAYS AND TVS

NEW PRODUCTS PLACED ON THE MARKET FROM 1.11.2020 ONWARDS BUT SOLD TO END-USERS ONLY AFTER 1.3.2021

from 1.11.2020 onwards

Provision of product data rescaled label and product information sheet

- Suppliers to register the product only on the basis of the reviewed regulation in EPREL
- Suppliers to provide the rescaled label and related product information sheet to dealers

as of 1.3.2021

New product with rescaled label in stores and online shops

- In case of internet or distance selling see additional requirements
- For displays see additional requirements

LABEL REPLACEMENT FOR HOUSEHOLD APPLIANCES, ELECTRONIC DISPLAYS AND TVS

PRODUCTS SOLD ON THE MARKET ALREADY BEFORE 1.11.2020 BUT NO LONGER PLACED ON THE MARKET AFTER 1.11.2020 OR WHEN A SUPPLIER HAS CEASED ITS ACTIVITIES

From 1.3.2021 to 30.11.2021

Phase-out of products in stores & online shops

- No new information to be provided by suppliers.
- Products may still be sold by dealers with the old label during a 9 months transition period.

as of 1.12. 2021

Removal of products with old label

- Products with the old label must not be sold anymore.

ADDITIONAL REQUIREMENTS

FOR DISTANCE AND INTERNET SELLING

- 

A graphic arrow with product efficiency class and the range of energy efficiency classes to be placed next to the price of the product model for product information on the web.
- Product information sheet to be provided to the consumer on paper or web-based (next to the price of the product model for product information on the web)
- The detailed requirements concerning label implementation for distance and internet selling are found in Annex VII and VIII in product regulations.

FOR ELECTRONIC DISPLAYS

- The supplier shall either print the colored label on the packaging or put a sticker with the label on the packaging.
- If a product model at the point of sale is not displayed (i.e. not taken out of the packaging) the dealer must ensure visibility of the label to the consumer (i.e. side of the packaging showing the label must be visible).

LABEL REPLACEMENT FOR LIGHT SOURCES

LIGHT SOURCES ALREADY PLACED ON THE MARKET BEFORE 1ST SEPTEMBER 2021

as of 1.5.2021

Provision of product data to EPREL by suppliers

- Suppliers to re-register their product in EPREL on the basis of the new light sources regulation including the rescaled label and related product information sheet.

from 1.9.2021 to 28.2.2023

18 months transition period with possible use of old labels on packaging

- Products already placed on market before 1.9.2021 may still be sold with the old label.
- Suppliers, on request by the dealers, to provide stickers with the rescaled label and related product information sheet for products in their (dealers') stock.

as of 1.3.2023

All products with rescaled label

- Old label shown on the packaging or attached to the product to be covered by a sticker of same size with the rescaled label
- New product information sheet to be shown

LABEL REPLACEMENT FOR LIGHT SOURCES

NEW LIGHT SOURCES PLACED ON THE MARKET AS OF 1ST SEPTEMBER 2021

from 1. 5. 2021 when the product is placed on the market

Provision of product data by suppliers to EPREL and to dealers

- Suppliers to register their product in EPREL on the basis of the new light sources regulation and to provide the printed rescaled label on the packaging
- Suppliers to provide the related electronic product information sheet to dealers. The dealers can also request the product information sheet in a printed form

as of 1. 9. 2021

New product with rescaled label on the packaging in stores and online shops

- In case of internet or distance selling see additional requirements

WHAT ELSE HAS TO BE CONSIDERED

- General requirements regarding the placement of the label are the same as for the old/current label.
- Replacement to be arranged within 14 working days specified as Monday to Friday but excluding Saturdays, Sundays and national holidays. New labels must not be shown in physical stores and online shops before 1.3.2021.
- The requirements concerning timing of the replacement for physical stores and for online shops are the same.

WHAT ELSE HAS TO BE CONSIDERED

- → Visual advertisement for rescaled products e.g. in catalogues or online containing the new energy efficiency class, may not become public before the application date of the new regulation (1 March or 1 September 2021 depending on the product). Catalogues may be prepared but not disseminated before these dates.
- → Dealers do not need to modify the content of packaging for units already in the retailer's stock, thus labels in packages of stored products do not have to be replaced.
- → Concerning light sources, the dealer shall replace the existing label by a sticker with the rescaled label of the same size on the packaging or attached to the package, within 18 months after 1 September 2021, i.e. by 28 February 2023.
- → Dealers will be able to download the label information also from EPREL from the date the new label starts to apply.

EU-PRODUCT DATABASE FOR ENERGY LABELLING

WHAT IS EPREL?

→ The European Product Database for Energy Labelling (EPREL)

→ Provides important energy efficiency information to consumers & will also enhance market surveillance activities and enforcement

→ It is a legal requirement for suppliers to register products on EPREL before placing them on the EU market.

→ The database provides additional product information not included on the label.

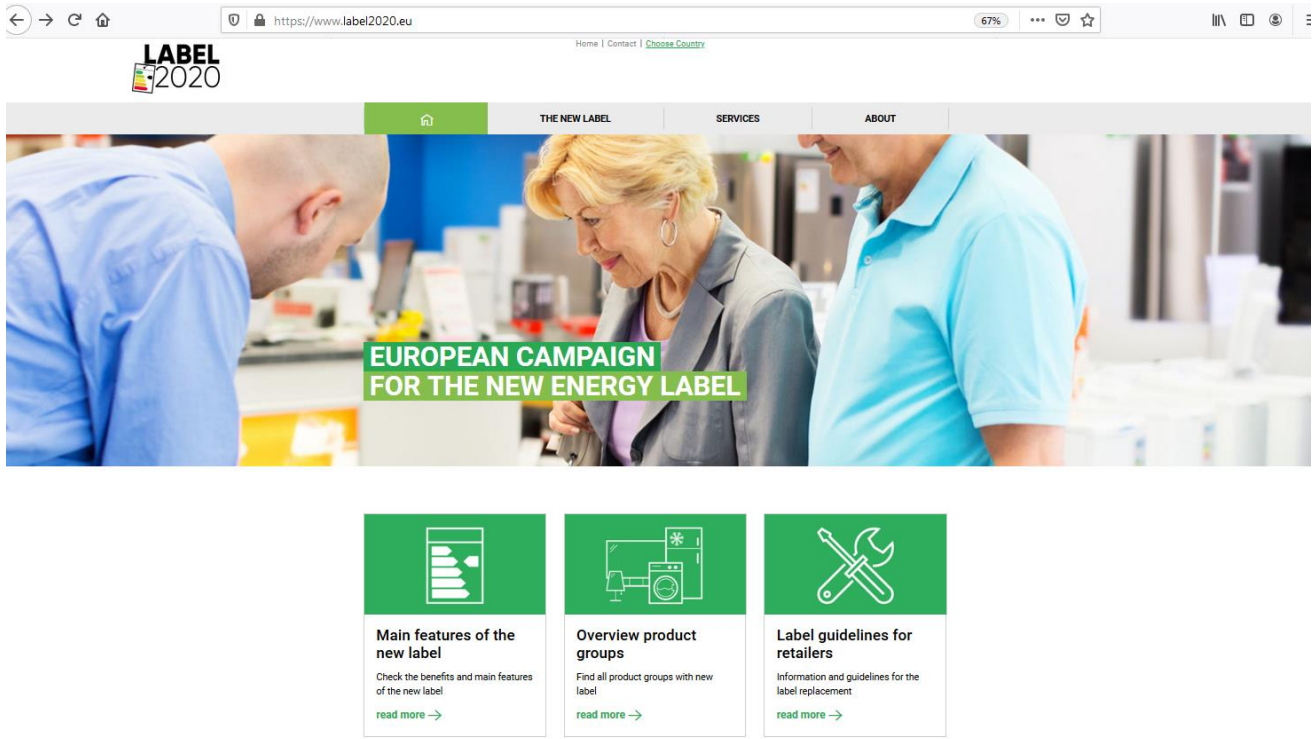
→ Information in the product database will be accessible directly via the EU website and via a QR-Code included in the labels.

LABEL 2020 TOOLS

WEBSERVICE, EDUCATION, TOOLS

LABEL 2020 TOOLS ALREADY AVAILABLE

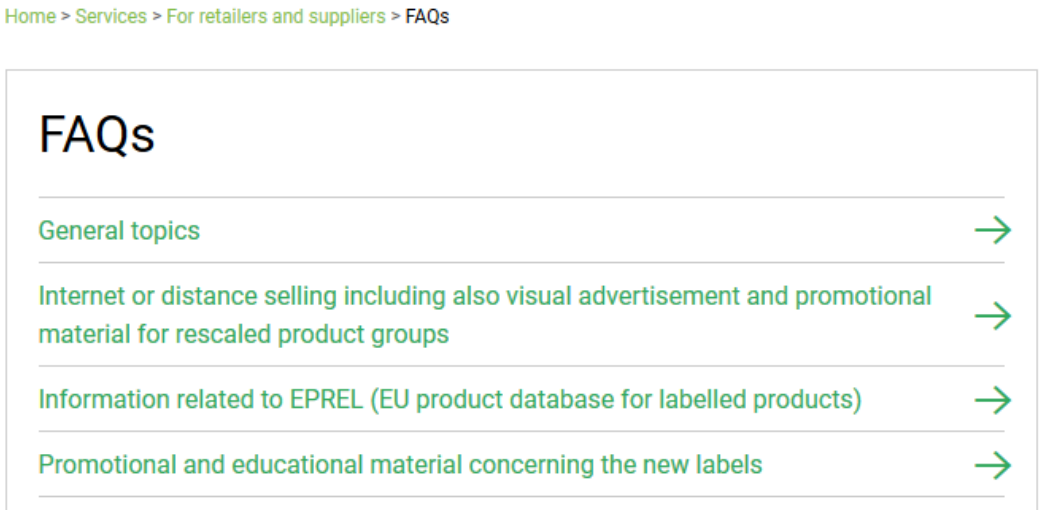
WEBSITE – INFORMATION SERVICE FOR CONSUMERS & RETAILERS



www.label2020.eu

LABEL 2020 TOOLS ALREADY AVAILABLE

FAQS & GUIDELINES FOR RETAILERS



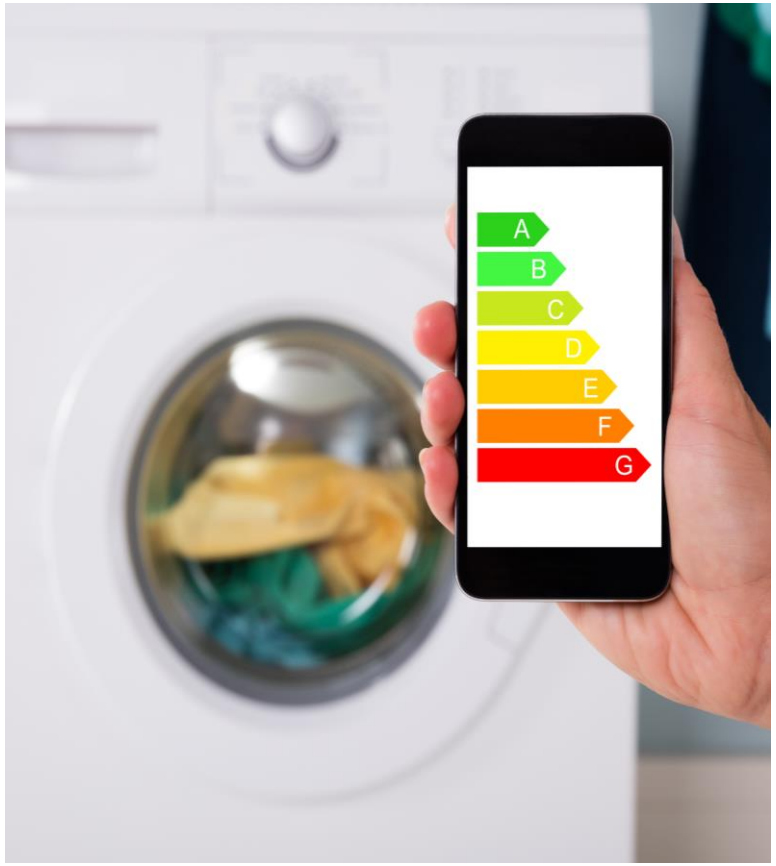
∞ www.label2020.eu/services/for-retailers-and-suppliers/faqs/

∞ https://www.label2020.eu/fileadmin/eu/documents/Label-Guide-Retailer_VS2-EN-upload.pdf

LABEL 2020 TOOLS

EXPECTED SOON IN 2020

- → E-Learning
- → Fact Sheets
- → Short information videos
- → Mobile IT Information Tool



LABEL 2020

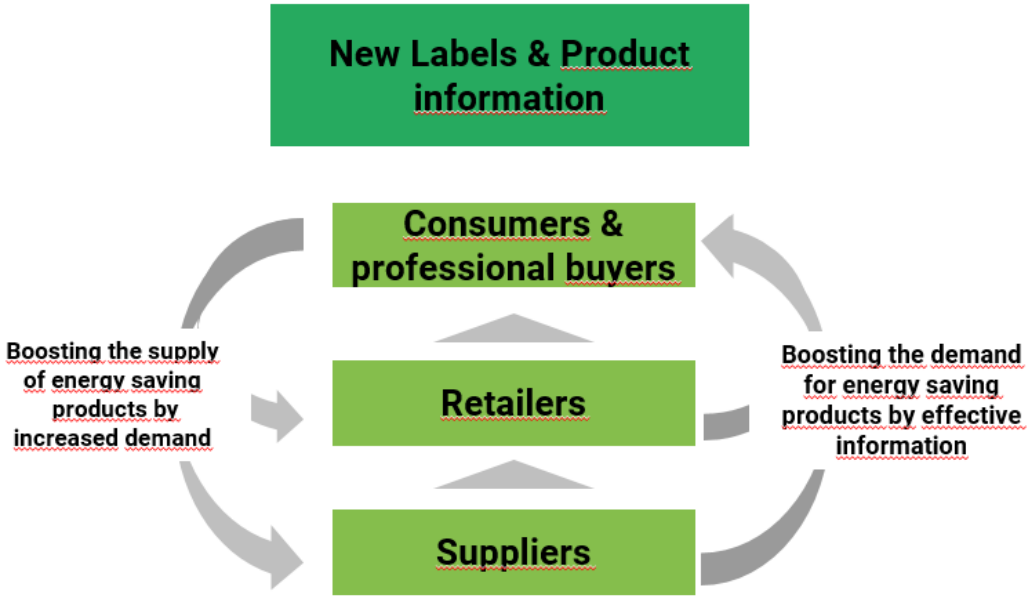
THE PROJECT

LABEL 2020 – MISSION & TARGET GROUPS

SUPPORTING THE EFFECTIVE IMPLEMENTATION OF THE NEW LABELS TO BOOST SUPPLY AND DEMAND FOR ENERGY SAVING PRODUCTS

Provision of tools and services for

- → Consumers and professional buyers
- → Retailers
- → Suppliers (manufactures/importers)
- → Policy makers/public sector
- → EU-Level key actors and market surveillance
- → Media



PROJECT CONSORTIUM

- 20 energy agencies and environmental agencies in 16 EU-countries
- More than 100 associated partners

CONTACT

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