

Guideline

to manufacturers and importers who produce, import and/or sell tumble dryers.



If you produce, import and/or sell tumble dryers, please be aware of the ecodesign and energy labelling requirements

Energy label and ecodesign

Important regulations to be aware of:

- **The ecodesign regulations (EU) 932/2012 → (EU) 2023/2533**
Set minimum performance requirements on tumble dryers such as energy efficiency and condensation efficiency, etc.
- **The energy labeling regulations (EU) 392/2012 → (EU) 2023/2534**
Guide consumers to choose more energy efficient products by providing energy labels, product information sheets, promotional material, information in physical stores and online shops as well as on the EPREL product database. At the same time, they encourage manufacturers to innovate and adopt more efficient technologies.

IMPORTANT!

The EU commission introduced ecodesign and energy labelling regulations for household tumble dryers in 2012 to support energy and resource efficiency. Both regulations include obligations for suppliers. To update the regulation requirements in line with market and technology development, the regulations were updated in 2023 with new requirements, which will apply stepwise from the 12th of December 2023 until the 1st of July 2025. The regulations of 2012 will be in force until 30th of June 2025.

Which products are covered?

The regulations still in force until end of June 2025 cover household tumble dryers and those sold for non-household use. Afterwards, the new regulations will only cover dryers for household use.

Both the current and the new regulations include:

- Electric mains-operated tumble dryers:
 - Condenser dryers with heat pump or heat element.
 - Air-vented dryers.
 - Gas-fired dryers.
- Free standing and built-in household tumble dryers (all shell types included).

These tumble dryers are included in the new regulations:

- Multi-drum household tumble dryers.
- Electric mains-operated household tumble dryers that can also be powered by batteries.

Both the current and the new regulations do not apply to:

- Household washer-dryers and household spin-extractors (are in the scope of the washing machine regulations).

The new regulations do not apply to:

- Tumble dryers in the scope of [Directive 2006/42/EC](#).
- Battery-operated household tumble dryers – even if they can be connected to the mains through an AC/DC converter purchased separately.

Ecodesign requirements at a glance

The new regulation includes some additional types of requirements as shown in the table below.

The new ecodesign regulation (EU) 2023/2533	The current ecodesign regulation (EU) 932/2012
Specific requirements for low power mode consumption	—
Availability of a supplier's free access website	—
Availability of spare parts, repair and maintenance information	—
Requirements on circumvention	—
Requirements on software updates	—
Minimum energy efficiency	
Minimum condensation efficiency for condenser dryers	
Maximum final moisture content	
Naming and functionalities of programmes	
User manual	

Energy labelling requirements at a glance

The EU Commission has adopted a new regulation (EU) 2023/2534 that sets new energy labelling requirements for tumble dryers. This new regulation has entered into force and will apply from the 1st of July 2025 with some exceptions (please read more in this guideline). Until the 1st of July 2025 the current energy labelling regulation (EU) 392/2012 will apply. The energy label for tumble dryers will be rescaled, so the energy efficiency classes will range from A to G. Additionally, the 'Product Fiche' has been updated and renamed as the 'Product Information Sheet,' with some modifications to its content.

What are the changes in the new Ecodesign regulation?

The main changes for existing requirements:

Energy Efficiency

The maximum EEL increases from 76 to 85. However, due to a new calculation method, the new requirement will be much stricter. Air-vented dryers and condenser dryers with a heat element above 3 kg capacity are not allowed to be placed on the market after the 1st of July 2025.

Condensation Efficiency

The minimum condensation efficiency increases from 70% to 80%. The calculation method was changed by increasing the weight for half load.

Low Power Mode

New requirements will apply:

- Off-mode: 0,5W (after 9 May 2027: 0,3 W).
- Standby-mode: 0,5W (1W with info or status display; 2W with network standby).
- Delay start: 4W plus max. time: 24h.

Naming of programmes

The “standard cotton programme” will be called “eco” on the product. You can use “eco” on the product already now, as long as the booklet for users and the technical documentation refer to the standard cotton programme until the 30th of June 2025.

Resource efficiency NEW REQUIREMENT

The new regulation requires you to make spare parts available to professional repairers. Please see the list of mandatory spare parts in Annex II, 5, (1) (a).

- Spare parts must be available for at least 10 years after placing the last unit of the tumble dryer model on the market and within 15 working days after order receipt.
- The list of spare parts, how to order them and repair instructions must be available on a free-access website. (Amendment expected: Repair instructions will not be required to be provided on a free-access website. A list for spare parts and how to order them will be required to be provided to the consumers on a free-access website.)
- The spare parts must be replaceable with commonly available tools and without permanent damage to the tumble dryer.
- You must provide an indicative pre-tax price list of the spare parts on a free-access website.

Circumvention NEW REQUIREMENT

Tumble dryers shall not:

- Alter their behaviour or properties during testing so that any declared value improves compared to normal operation.
- Shortly after being put into service change their properties that worsens any declared value.

Software Updates NEW REQUIREMENT

- Free software and firmware updates must be available for at least 10 years after placing the last unit of the tumble dryer on the market.
- Software/firmware updates must not worsen any declared value.
- A rejection of software/firmware updates must not worsen any tumble dryer’s declared value either.

Supplier’s website NEW REQUIREMENT

- A free access website (i.e. no payment or registration/login is required) of the supplier must contain a list of spare parts incl. indicative pre-tax prices in Euro, the procedure for ordering the parts and the repair instructions for spare parts available to the consumer.
- A copy of the user manual or the information available in the user manual.

Please find the full description of the requirements in the regulation [\(EU\) 2023/2533](#).

When are the new requirements applicable?

The new ecodesign regulation for tumble dryers [\(EU\) 2023/2533](#) has entered into force on the 12th of December 2023.

A few elements of the regulation already apply today, but most requirements will apply from the 1st of July 2025 onwards. Tumble dryers placed on the market after that date only have to comply with the new regulation.

However, the following additional tiers respectively deadlines apply:

Since the 12th of December 2023

- The provisions on circumvention are in force
- Designation “Eco” can be used instead of “standard cotton programme” on the programme selection device or display of the tumble dryer, as long as the booklet for users and technical documentation refers to the standard cotton programme until 30th of June 2025.

From the 1st of March 2025

New models, including their equivalents, that comply with Regulation [\(EU\) 2023/2533](#) are automatically considered compliant with the requirements of Regulation [\(EU\) 932/2012](#); therefore, no additional compliance check with [\(EU\) 932/2012](#) is necessary.

From the 1st of July 2025

All other provisions of the new regulation will apply until the next revision of the legislation, except:

From the 9th of May 2027

The maximum allowed power consumption in off mode is decreased from 0,5W to 0,3W.

What is a supplier?

- A manufacturer in the EU that manufactures products for the EU market.
- Authorised representative in the EU on behalf of a company outside of the EU.
- An importer, who imports products into the EU and places them on the EU market.
- A dealer who sells the product under its own brand.

The most important requirements

The following types of requirements are essential elements of the regulation and have to be fulfilled by manufacturers, importers and legal representatives of products to be placed on the EU market. Please investigate the current regulation and the new regulation to gain complete understanding of the applicable rules.

Provision of the label

- A correct and complete energy label must be delivered to dealers electronically and physically. On information material a nested display (the energy efficiency class and the range of energy efficiency classes available on the energy label) shall be shown.
- The label data must be entered into the EPREL database.



Provision of the product information sheet (PIS)

- A correct and complete PIS must be delivered to dealers electronically and on request also physically.
- The PIS data must be entered into the EPREL database.

Provision of the technical documentation

- A correct and complete technical documentation must be entered into EPREL (the declared values).

User manual and other literature NEW REQUIREMENT

- A reference to the EPREL entry of the product must be included in the user manual and any other written or pictorial information provided with or on the product, either as URL, QR code or the EPREL registration number.

As the energy label and PIS are generated via templates in EPREL, you can easily verify, whether these documents are complete. The new regulation also includes templates for the technical documentation within EPREL. Please note that,

- some of the parameters only apply to specific types of tumble dryers; you have to make sure that you fill out all applicable values.
- you are fully responsible for the correctness of the values.

The content of the energy label

Content	Labels until the 30 th of June 2025, (EU) 392/2012	New energy labels from the 1 st of July 2025, (EU) 2023/2534
Label design		
QR code	not present	Link to EPREL entry
Efficiency classes	A+++ to D	Classes A to G
Energy consumption	Shown in kWh/annum per 160 drying cycles plus low power mode consumption	Shown in kWh per 100 drying cycles (without low power mode consumption)
Condensation efficiency	Classes A to G	Classes A to D and indication as percentage
Noise Level	Noise level for the standard cotton programme in dB (A)	Noise level for the eco-programme in dB (A) plus indication of 4 classes A to D
Rated capacity	Shown in kg for the standard cotton programme	Shown in kg for the eco programme
Duration of the energy saving programme	Energy saving programme designated as the standard cotton programme at full load. Duration shown in minutes.	Energy saving programme designated as the eco-programme at full load. Duration shown in h:mm.
Energy source	Energy source (electricity or gas) indicated as icon	No indication of energy source (gas/electricity) on the label

When are the new requirements applicable?

On the 1st of January 2024, a new energy labelling regulation (EU) 2023/2534 has entered into force. Most parts will apply from the 1st of July 2025 with the following exceptions:

From the 1st of January 2024

The PIS can be made available via EPREL instead in printed form unless the dealer requests it in printed form.

From the 1st of March 2025

Suppliers shall:

- For products placed on the market:
 - Before the 1st of March 2025:** On request from the dealers deliver a new energy label.
 - From the 1st of March to the 30th of June 2025:** Supply each product with both the “current” and the “new” energy label.
 - From the 1st of July 2025:** Supply each product with only the “new” energy label.
- Enter the values for the parameters of the new product information sheet into the EPREL database.

For all tumble dryer units placed on the market before these dates, regulation (EU) 392/2012 still applies.

Product information sheet (PIS)

The product information sheet, formerly called “product fiche”, is a detailed technical description of properties of the product. The content of the new PIS was changed. When you enter your product in EPREL, there will be an entry mask where you have to insert the values.

What to pay attention to, regarding documentation?

CE-marking and Declaration of Conformity (DoC)

As a manufacturer or importer, it is your responsibility to ensure that the tumble dryer has a CE marking before being placed on the EU market. You must also prepare a declaration of conformity (DoC), which states that the tumble dryers comply with all the requirements in all regulations applicable to the product. The specific reference number of the regulations must be mentioned in the DoC.

Technical documentation

As a manufacturer or importer, you must provide the technical documentation that proves that the tumble dryer complies with the ecodesign and energy labelling regulations.

The technical documentation must include:

- DoC
- Copies of the calculations used to determine the tumble dryers' energy efficiency index and regarding the condenser tumble dryers: The condensation efficiency.
- The results of the conducted measurements. However, the results can also be based on calculations, extrapolations, etc. based on measurements of similar tumble dryer models. The method must be described in detail.
- A list of all equivalent models, meaning tumble dryers with identical technical parameters.

Furthermore, the technical documentation must also for example include information, which harmonised standards and/or other technical standards and specifications have been applied.

The technical documentation must be prepared before the product has been placed on the market. When the last unit of the product is manufactured, the technical documentation must be stored for additional five years, what concerns the energy labeling requirements and for 10 years regarding ecodesign requirements.

Requirements for technical promotion material and advertisements



Technical promotion material or advertisements concerning a specific tumble dryer that describes or mentions specific technical parameters and/or other information, that identifies the product

must also include the energy efficiency class and the range of energy efficiency classes available on the label. An example shown above.



The graphic files can be downloaded here:

<https://circabc.europa.eu/ui/group/7f4824e3-f72c-4126-b6b8-842a443a4ca/library/17bc1987-e20e-49d5-a847-f7e28070c23b/details>

Market surveillance

The national market surveillance authorities (MSAs) verify, whether products on the EU market comply (among others) with the ecodesign and energy labelling requirements. As far as the documentation is not available in EPREL, you have to make it available within 10 working days.

MSAs will check the documentation and are able to enforce non-conformities. They can demand an amendment of documentation, apply fines, remove products from the EU market, etc.

In order to verify the declared values, they can also perform physical tests.

- If the first unit does not comply, MSAs may test three more units.
- If one of the three dryers does not comply with the requirement on the final moisture content or if the average of the three test results of any parameter does not comply with the minimum requirements, the tumble dryer must not be sold on the EU market anymore. If only the declared values are outside the tolerance, a change of documentation should suffice.
- Whether you have to pay for the units and the tests, depends on the national legislation.

The inspection procedures are the same for both regulations.

Where to find more information?

You can find more information about ecodesign and energy labelling at the CS website: www.product-compliance-services.eu. Among others, you can find:

- Measurement methods and standards.
- The findings of previous market surveillance actions, where similar mistakes have been detected frequently.
- More detailed information about the ecodesign and energy labelling requirements for tumble dryers.
- E-learning and webinars on how to understand and fulfil the ecodesign and energy labelling requirements.

For all regulations, a transition period is provided between publication and enforcement, giving market actors (manufacturers, importers, distributors, and dealers) time to adjust products and information to meet compliance requirements without disrupting production or sales.

During this period, products placed on the market under previous legislation can still be sold. Afterwards, only products compliant with the new legislation may be placed on the market. Below are two calendars outlining key dates for the new requirements for tumble dryers:

Tumble Dryers 2025 calendar



Ecodesign

ON THE 12TH OF DECEMBER 2023, A NEW ECODESIGN REGULATION FOR TUMBLE DRYERS (EU) 2023/2533 HAS ENTERED INTO FORCE. MOST PARTS WILL APPLY FROM THE 1ST OF JULY 2025.

NOTE: THESE DATES ONLY APPLY TO TUMBLE DRYERS, AND NOT TO ANY OTHER CATEGORY OF PRODUCTS COVERED BY ENERGY LABELLING AND ECODESIGN LEGISLATION.

Suppliers

1ST OF MARCH 2025

1ST OF JULY 2025

31ST OF MARCH 2026

Energy label

ON THE 1ST OF JANUARY 2024, A NEW ENERGY LABELLING REGULATION (EU) 2023/2534 HAS ENTERED INTO FORCE. MOST PARTS WILL APPLY FROM THE 1ST OF JULY 2025.

From the 12th of December 2023
The provisions on **circumvention** are in force.
Designation "**Eco**" can be used instead of "**standard cotton programme**" on the programme selection device or display of the tumble dryer, if you make sure until the 30th of June 2025 that booklet for users and technical documentation refer to the standard cotton programme.

From the 1st of March 2025
Compliance of new models (including equivalent models) with the new regulation (EU) 2023/2533 is sufficient, no need to check compliance with (EU) 932/2012 for such models.
All other points of the ecodesign regulation (EU) 932/2012 will still apply for all tumble dryer units placed on the market before the 30th of June 2025.

From the 1st of July 2025 most provisions of the new regulation will apply, which include, among others:

- Availability of a supplier's free access website.
- Availability of spare parts, procedures to order them and maintenance information.
- Requirements for software updates.

From the 1st of July 2025
Only **tumble dryers** (models with capacity above 3kg) featuring **heat pump technology** will be allowed to be placed on the EU market.

1ST OF MARCH 2025

1ST OF JULY 2025

THIS CALENDAR HIGHLIGHTS SELECTED REQUIREMENTS THAT SUPPLIERS SHOULD PAY SPECIAL ATTENTION TO. PLEASE REFER TO OUR PROJECT PORTAL AND FULL ENERGY REGULATIONS (EU) 2023/2534 AND 2023/2533 FOR ALL REQUIREMENTS.

*Subject to changes in accordance with the amendments to the ecodesign regulation (see Draft Regulation amending Commission Regulation (EU) 2023/2533 laying down ecodesign requirements for household tumble dryers)

Tumble Dryers 2025 calendar



Energy label

ON THE 1ST OF JANUARY 2024, A NEW ENERGY LABELLING REGULATION (EU) 2023/2534 HAS ENTERED INTO FORCE.

NOTE: THESE DATES ONLY APPLY TO TUMBLE DRYERS, AND NOT TO ANY OTHER CATEGORY OF PRODUCTS COVERED BY ENERGY LABELLING LEGISLATION.

Dealers

1ST OF JULY 2025

18TH OF JULY 2025

THE CURRENT ENERGY LABEL
MUST BE EXCLUSIVELY DISPLAYED AND USED.

THE NEW ENERGY LABELS
HAVE TO REPLACE THE CURRENT ENERGY LABELS WITHIN 14 WORKING DAYS. IT IS NOT ALLOWED TO DISPLAY MORE THAN ONE ENERGY LABEL.

THE NEW ENERGY LABEL
MUST BE EXCLUSIVELY DISPLAYED AND USED.

From the 1st of March 2025
Energy labels provided by your supplier: Until the 30th of June 2025, your suppliers are required to provide the current energy label. Starting from the 1st of March 2025, they must also provide the new energy label. This means that between the 1st of March and the 30th of June 2025, suppliers must deliver you both energy labels.
However, please note the following: You are not permitted to display the new energy label in your shops, advertisements, or other materials before the 1st of July 2025. Until this date, only the current energy label may be displayed.
Before 30th of June 2025
The energy labelling regulation (EU) 392/2012 still applies to all tumble dryer units placed on the market before that date.

Transition period
Please note that you must ensure that the current energy labels for tumble dryers are being replaced with the new energy labels at all points of sale, both physical and online, between the 1st of July and the 18th of July 2025.
Displaying more than one energy label during the transition period is not allowed. This means the old energy label must be removed and replaced with the new one simultaneously.

What if my supplier does not provide a new energy label for a product?
Products that are placed on the market before 1st of March 2025 can be sold indefinitely, provided that they are supplied with a rescaled label. Therefore, the dealers will need to ask the supplier to fulfill their requirement and provide the rescaled label.
Only if a supplier has ceased its activities, the dealer is allowed to sell the products with the old label for a period of nine months – this means the latest allowable sale date would be 31st of March 2026 (in accordance to Article 11 point 13 (b) (i) of Regulation 2017/1369).

1ST OF MARCH 2025

1ST OF JULY 2025

18TH OF JULY 2025

31ST OF MARCH 2026

THIS CALENDAR HIGHLIGHTS SELECTED REQUIREMENTS THAT DEALERS SHOULD PAY SPECIAL ATTENTION TO. PLEASE REFER TO OUR PROJECT PORTAL AND FULL ENERGY REGULATION (EU) 2023/2534 FOR ALL REQUIREMENTS.