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Delegations will find attached document D089494/02 - ANNEXES 1 to 6.

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ANNEXES 1 to 6

ANNEXES

to the

COMMISSION REGULATION (EU) .../...
of XXX

**implementing Directive 2009/125/EC of the European Parliament and of the Council
with regard to ecodesign requirements for household tumble dryers, amending
Commission Regulation (EU) 2023/826, and repealing Commission Regulation (EU) No
932/2012**

ANNEX I

Definitions

For the purpose of the Annexes II to V, the following definitions apply:

- (1) ‘air-vented tumble dryer’ means a household tumble dryer that draws in fresh air, passes it over the textiles and vents the resulting moist air into the room or outside;
- (2) ‘condenser tumble dryer’ means a household tumble dryer that includes a system, using condensation or any other means, for removing moisture from the air used for the drying process;
- (3) ‘heating element tumble dryer’ means a household tumble dryer where the only or main means to heat the air inside is an electric resistance;
- (4) ‘heat pump tumble dryer’ means a household tumble dryer where the only or main means to heat the air inside is a heat pump system;
- (5) ‘Energy Efficiency Index’ or ‘EEI’ means the ratio of the weighted energy consumption to the standard drying cycle energy consumption of a specific household tumble dryer model;
- (6) ‘programme duration’ means the length of time beginning with the initiation of the programme selected, excluding any user programmed delay, until an end of programme indicator is activated and the user has access to the load;
- (7) ‘full load’ means the rated capacity of a household tumble dryer for a given programme;
- (8) ‘partial load’ means half of the rated capacity of a household tumble dryer for a given programme;
- (9) ‘condensation efficiency’ means the ratio between the mass of moisture condensed by a condenser tumble dryer and the mass of moisture removed from the load at the end of a drying cycle;
- (10) ‘off mode’ means a condition in which the household tumble dryer is connected to the mains and is not providing any function, including the following conditions:
 - (a) conditions providing only an indication of off mode;
 - (b) conditions providing only functionalities intended to ensure electromagnetic compatibility pursuant to Directive 2014/30/EU of the European Parliament and of the Council¹;
- (11) ‘standby mode’ means a condition where the household tumble dryer is connected to the mains, and provides only the following functions or some of those functions, which may persist for an indefinite time:
 - (a) reactivation function, or reactivation function and indication of enabled reactivation function;
 - (b) reactivation function through a connection to a network (‘networked standby’);
 - (c) information or status display;
 - (d) detection function for emergency measures;

¹ Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (OJ L 96, 29.3.2014, p. 79).

- (12) 'network' means a communication infrastructure with a topology of links, an architecture, including the physical components, organisational principles, communication procedures and formats (protocols);
- (13) 'wrinkle guard function' means an operation of the household tumble dryer after completion of a programme to prevent excessive wrinkle building in the laundry;
- (14) 'delay start' means a condition where the user has selected a specified delay to the beginning or end of the drying cycle of the selected programme;
- (15) 'spare part' means a separate part that can replace a part with the same or similar function in a product;
- (16) 'professional repairer' means an operator or undertaking which provides services of repair and professional maintenance of household tumble dryers;
- (17) 'guarantee' means any undertaking by the dealer or a manufacturer to the consumer to either reimburse the price paid or replace, repair or handle the household tumble dryer in any way if they do not meet the specifications set out in the guarantee statement or in the relevant advertising;
- (18) 'conversion coefficient' (CC) means the default coefficient for primary energy per kWh electricity referred to in Directive [2012/27/EU](#) of the European Parliament and of the Council; the value of the conversion coefficient is $CC = 1,9$.

ANNEX II

Ecodesign requirements

1. PROGRAMME REQUIREMENTS

Household tumble dryers shall meet the following requirements:

- (a) household tumble dryers shall provide an eco programme. The stated rated capacity for the eco programme shall not be lower than the highest stated rated capacity among all the cotton programmes of the household tumble dryer;
- (b) the eco programme shall be indicated as 'eco' and shall be clearly identifiable on the programme selection, on the display and through the network connection, depending on the functionalities provided by the household tumble dryer;
- (c) the name 'eco' shall be used exclusively for the eco programme and may only be complemented with the term 'cotton'. The formatting of the name is not restricted in terms of font type, font size, case sensitivity or colour. No other programme may have in its name the term 'eco';
- (d) the eco programme shall be set as the default programme for automatic programme selection or any function maintaining the selection of a programme; or, where there is no automatic programme selection, it shall be available for direct selection without the need for any other selection such as a specific time or load;
- (e) the indications 'normal', 'daily', 'regular' and 'standard', and their translations in all official languages of the Union, shall not be used in programme names for household tumble dryers, neither alone nor in combination with other information.

2. ENERGY EFFICIENCY REQUIREMENTS

The EEI of household tumble dryers shall not be higher than 85.

The EEI shall be calculated in accordance with Annex III.

3. CONDENSATION EFFICIENCY REQUIREMENTS

The condensation efficiency of condenser tumble dryers shall not be lower than 80 %. The condensation efficiency shall be calculated in accordance with Annex III.

4. LOW POWER MODES

Household tumble dryers shall meet the following requirements:

- (a) they shall have an off-mode or a standby mode or both. The power consumption in off-mode shall not exceed 0,50 W and the power consumption in standby mode shall not exceed 0,50 W; as from 9 May 2027, the power consumption in off-mode shall not exceed 0,3 W;
- (b) if the standby mode includes the display of information or status, the power consumption of that mode shall not exceed 1,00 W;
- (c) if the standby mode provides for a connection to a network and provides networked standby as defined in Article 2, point (10), of Regulation (EU) 2023/826, the power consumption of this mode shall not exceed 2,00 W;

- (d) at the latest 15 minutes after the household tumble dryer has been switched on or after the end of any programme and associated activities, or after interruption of the wrinkle guard function, or after any other interaction with the household tumble dryer, and if no other mode including emergency measures is triggered, the household tumble dryer shall switch automatically to off-mode or to standby mode;
- (e) if the household tumble dryer provides for a delay start, the power consumption of this condition, including any standby mode, shall not exceed 4,00 W. The delay start shall not be programmable by the user for more than 24h;
- (f) any household tumble dryer that can be connected to a network shall provide the possibility to activate and deactivate the network connection(s). The network connection(s) shall be deactivated by default.

5. RESOURCE EFFICIENCY REQUIREMENTS

(1) Availability of spare parts:

- (a) for all models, units of which are placed on the market as from 1 July 2025, manufacturers, importers or authorised representatives of household tumble dryers shall make available to professional repairers at least the following spare parts:
 - (i) gaskets and seals;
 - (ii) switches and knobs;
 - (iii) condensate pump;
 - (iv) motors and motor brushes;
 - (v) transmissions between motor and drum;
 - (vi) fan and fan wheels;
 - (vii) drums and bearings;
 - (viii) water piping and related equipment including hoses, valves and filters;
 - (ix) cables and plugs;
 - (x) printed circuit boards;
 - (xi) electronic displays;
 - (xii) thermostats and temperature sensors;
 - (xiii) software and firmware, including reset software;
 - (xiv) shock absorbers and springs;
 - (xv) heaters and heating elements;
 - (xvi) electric fuses (separately or bundled together).
 - (xvii) tension pulley;
 - (xviii) support roller;
 - (xix) pressure switches;
- (b) availability of spare parts referred to in point (a), shall be ensured for a minimum period starting at the latest on 1 July 2025 or two years after the placing on the market of the first unit of the model, whichever is the later date,

and ending at least 10 years after placing on the market the last unit of the model concerned. For that purpose, the list of spare parts, the procedure for ordering them and the repair instructions shall be publicly available on the free access website of the manufacturer, importer or authorised representative, at least during the same period and starting at the date referred to in this point;

- (c) for all models, units of which are placed on the market as from 1 July 2025, manufacturers, importers or authorised representatives of household tumble dryers shall make available to professional repairers and end-users at least the following spare parts:
 - (i) doors, door seals, door handles, door lock assemblies and hinges;
 - (ii) lint filters;
 - (iii) air filters;
 - (iv) plastic peripherals;
 - (v) condensate tank;
- (d) availability of spare parts referred to in point (c), shall be ensured for a minimum period starting on the date of placing that unit on the market and ending at least 10 years after placing the last unit of the concerned model on the market. For that purpose, the list of spare parts and the procedure for ordering them and the repair and maintenance information shall be publicly available on the free access website of the manufacturer, importer or authorised representative, at least during the same period and starting at the date referred to in this point;
- (e) manufacturers, importers or authorised representatives of household tumble dryers shall ensure that the spare parts referred to in points (a) and (c) can be replaced with the use of commonly available tools and without permanent damage to the household tumble dryer;
- (f) during the period referred to in points (b) and (d), manufacturers, importers or authorised representatives shall provide indicative pre-tax prices at least in euro for spare parts listed in points (a) and (c), including the indicative pre-tax price of fasteners and tools, if supplied with the spare part, on the free access website of the manufacturer, importer or authorised representative.

(2) Maximum delivery time of spare parts:

During the period of availability of spare parts, the manufacturer, importer or authorised representative shall ensure the delivery of the spare parts within 15 working days after having received the order.

(3) Access to repair and maintenance information:

- (a) During the period referred to in point 1(b) the manufacturer, importer or authorised representative shall provide access to the appliance repair and maintenance information to professional repairers.

The manufacturer's, importer's or authorised representative's website shall indicate the process for professional repairers to request access to information. In order to accept such a request, the manufacturers, importers or authorised representatives may only require the professional repairer to demonstrate that:

- (i) the professional repairer has the technical competence to repair household tumble dryers and complies with the applicable regulations for repairers of electrical equipment in the Member States where it operates. Reference to an official registration system as professional repairer, where such system is in place in the Member States concerned, shall be accepted as proof of compliance with this point;
 - (ii) the professional repairer is covered by insurance covering liabilities resulting from its activity regardless of whether this is required by the Member State;
 - (b) manufacturers, importers or authorised representatives shall accept or refuse the request referred to in point (a) within 5 working days;
 - (c) manufacturers, importers or authorised representatives may charge reasonable and proportionate fees for access to the repair and maintenance information or for receiving regular updates. A fee is reasonable if it does not discourage access by failing to take into account the extent to which the professional repairer uses the information;
 - (d) once the request is accepted, a professional repairer shall have access to the requested repair and maintenance information within one working day. The information may be provided for an equivalent model or model of the same family, where relevant;
 - (e) the repair and maintenance information shall include:
 - (i) the unequivocal household tumble dryer identification;
 - (ii) a disassembly map or exploded view;
 - (iii) technical manual of instructions for repair;
 - (iv) list of necessary repair and test equipment;
 - (v) component and diagnosis information (such as minimum and maximum theoretical values for measurements);
 - (vi) wiring and connection diagrams;
 - (vii) diagnostic fault and error codes (including manufacturer-specific codes, where applicable);
 - (viii) instructions for installation of relevant software and firmware including reset software;
 - (ix) information on how to access data records of reported failure incidents stored on the household tumble dryer (where applicable);
 - (x) electronic board diagrams;
 - (f) without prejudice to intellectual property rights, third parties shall be allowed to use and publish unaltered repair and maintenance information initially published by the manufacturer, importer or authorised representative and covered by point (e) once the manufacturer, importer or authorised representative terminates access to that information after the end of the period of access to repair and maintenance information.
- (4) Manufacturers, importers or authorised representatives of household tumble dryers shall make available software and firmware updates for a minimum of 10 years after

the placing of the last unit of a model on the market and these software and firmware updates shall be provided free of charge.

(5) Information requirements for refrigerant gases:

Without prejudice to Regulation (EU) No 517/2014 of the European Parliament and of the Council², and in particular Article 12 on labelling and product and equipment information, the chemical name or the accepted industry designation of the refrigerant gas used in heat pump tumble dryers, shall be displayed permanently in a place on the external parts of the appliance that are visible and can be easily identified by the end-user, for example on the back panel.

(6) Requirements for dismantling for material recovery and recycling while avoiding pollution:

- (a) manufacturers, importers or authorised representatives shall ensure that household tumble dryers are designed in such a way that the materials and components referred to in Annex VII to Directive 2012/19/EU of the European Parliament and of the Council³ can be removed from the appliance with the use of commonly available tools;
- (b) manufacturers, importers or authorised representatives shall fulfil the obligations laid down in Article 15(1) of Directive 2012/19/EU.

6. INFORMATION REQUIREMENTS

User and installer instructions shall be provided in the form of a user manual on a free access website of the manufacturer, importer or authorised representative, and shall include:

(1) the following general information:

- (a) information that the eco programme is suitable to dry wet cotton laundry, and that this programme is used to assess the compliance with the EU ecodesign legislation;
- (b) information that the eco programme is the most efficient programme in terms of energy consumption for drying wet cotton laundry;
- (c) information that loading the household tumble dryer up to the maximum capacity indicated by the manufacturer for the respective programmes will contribute to energy savings;
- (d) if applicable, information on how to activate and deactivate the network connection and impact on energy consumption;
- (e) instructions on how to find the model information stored in the product database, as specified in Delegated Regulation (EU) [OP -Please insert regulation number energy labelling regulation for household tumble dryers] by means of a weblink that links to the model information as stored in the product database or a link to the product database and information on how to find the model identifier on the product;

² Regulation (EU) No 517/2014 of the European Parliament and of the Council of 16 April 2014 on fluorinated greenhouse gases and repealing Regulation (EC) No 842/2006 (OJ L 150, 20.5.2014, p. 195).

³ Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE) (OJ L 197, 24.7.2012, p. 38).

- (2) values for the following parameters:
- (a) rated capacity in kg;
 - (b) programme duration, expressed in hours and minutes;
 - (c) electricity, and where applicable, gas consumption in kWh/drying cycle;
 - (d) final moisture content after the drying cycle;
 - (e) acoustic airborne noise emission of the drying cycle.

The values for the parameters set out in points (a) to (e) shall be provided for the eco programme at full load and, except for the parameter set out in point (e), at partial load and for the following programmes where they are available:

- (a) synthetics dry at full load;
- (b) delicates/wool drying at full load;
- (c) cotton extra/very dry at full load and partial load;
- (d) cotton iron dry at full load and partial load;
- (e) synthetics extra/very dry at full load;
- (f) synthetics iron dry at full load;

The values given for programmes other than the eco programme are indicative only;

- (3) instructions to perform maintenance operations, including at least the following operations:
- (a) correct installation including level positioning, connection to mains, connection to water outlet (if relevant), connection to gas (if relevant), installation of ventilation hose (if relevant);
 - (b) cleaning of filters, including optimal frequency, and procedure, and main consequences of insufficient cleaning of filters; the instructions shall indicate that, when cleaning the filters, the lint should be thrown in the garbage bin and not washed through the drain in order to avoid spreading microplastics in the used water system;
 - (c) emptying of water tank for condenser dryers in case the household tumble dryer is not connected to water outlet;
 - (d) periodic cleaning, including optimal frequency;
 - (e) door opening between drying cycles, if appropriate;
 - (f) foreign object removal;
 - (g) identification of errors, the meaning of the errors, and the action required, including identification of errors requiring professional assistance;
 - (h) how to access professional repair services (internet webpages, addresses, contact details).

The instructions shall also include information on any implications of self-repair or non-professional repair for the safety of the user and for the guarantee and on the minimum period during which the spare parts are available.

Measurement and calculation methods

For the purposes of compliance and verification of compliance with the requirements of this Regulation, measurements and calculations shall be made using harmonised standards whose reference numbers are published for that purpose in the Official Journal of the European Union, or other reliable, accurate and reproducible methods, which take into account the generally recognised state-of-the-art and are in line with the provisions in this Annex.

Where a parameter is declared pursuant to Article 4, its declared value shall be used by the manufacturer, importer or authorised representative for the calculations in this Annex.

The eco programme as identifiable on the programme selection, on the display and through the network connection, depending on the functionalities provided by the tumble dryer, and with no further modification of the final moisture content setting, shall be used for the measurement and calculation of the EEI, the condensation efficiency, the programme duration, the final moisture content and the airborne acoustic noise emissions. The energy consumption, condensation efficiency, programme duration and final moisture content shall be measured concurrently.

The calculation of the weighted energy consumption, the weighted programme duration, the final moisture content and the condensation efficiency shall be done on the basis of three drying cycles at full load and four drying cycles at partial load.

1. ENERGY EFFICIENCY INDEX

For the calculation of the EEI of a household tumble dryer model, the weighted energy consumption per drying cycle for the eco programme at full and partial load is compared to the standard energy consumption per drying cycle.

- (a) The EEI is calculated as follows and rounded to one decimal place:

$$EEI = \frac{E_{tC}}{SE_C} \times 100$$

where

E_{tC} = weighted energy consumption per drying cycle,

SE_C = standard energy consumption per drying cycle.

- (b) SE_C is calculated in kWh as follows and rounded to two decimal places:

- (i) for household tumble dryers other than air-vented tumble dryers:

$$SE_C = 0,46 \times c^{0,63}$$

- (ii) for air-vented tumble dryers:

$$SE_C = 0,46 \times c^{0,63} \times \left(1 - \frac{T_t}{60} \times 0,083\right)$$

where

c is the rated capacity of the household tumble dryer for the eco programme,

T_t is the weighted programme duration for the eco programme.

- (c) E_{tC} is calculated in kWh as follows and rounded to two decimal places:

$$E_{tC} = 0,24 \times E_{dry} + 0,76 \times E_{dry\frac{1}{2}}$$

where

E_{dry} = energy consumption of the eco programme at full load, in kWh and rounded to two decimal places,

$E_{dry\frac{1}{2}}$ = energy consumption of the eco programme at partial load, in kWh and rounded to two decimal places.

- (d) for gas-fired tumble dryers, E_{dry} and $E_{dry\frac{1}{2}}$ are calculated as follows

$$E_{dry} = \frac{Eg_{dry}}{CC} + Eg_{dry,a}$$
$$E_{dry\frac{1}{2}} = \frac{Eg_{dry\frac{1}{2}}}{CC} + Eg_{dry\frac{1}{2},a}$$

where

Eg_{dry} = gas consumption of the eco programme at full load, in kWh and rounded to two decimal places,

$Eg_{dry\frac{1}{2}}$ = gas consumption of the eco programme at partial load, in kWh and rounded to two decimal places,

$Eg_{dry,a}$ = auxiliary electricity consumption of the eco programme at full load, in kWh and rounded to two decimal places,

$Eg_{dry\frac{1}{2},a}$ = auxiliary electricity consumption of the eco programme at partial load, in kWh and rounded to two decimal places,

CC(Conversion coefficient) = 1,9.

- (e) T_t for the eco programme is calculated in minutes, rounded to the nearest minute, as follows:

$$T_t = 0,24 \times T_{dry} + 0,76 \times T_{dry\frac{1}{2}}$$

where

T_{dry} = programme duration for the eco programme at full load, in minutes and rounded to the nearest minute;

$T_{dry\frac{1}{2}}$ = programme duration for the eco programme at partial load, in minutes and rounded to the nearest minute.

- (f) The average final moisture content μ_t for the eco programme is calculated in percent, rounded to one decimal places, as follows:

$$\mu_t = \frac{(3 \times \mu_{dry} + 4 \times \mu_{dry\frac{1}{2}})}{7}$$

where

μ_{dry} = final moisture content for the eco programme at full load, in percent and rounded to one decimal place.

$\mu_{dry\frac{1}{2}}$ = final moisture content for the eco programme at partial load, in percent and rounded to one decimal place.

2. CONDENSATION EFFICIENCY

The condensation efficiency of a programme (Ct) is the ratio between the mass of moisture condensed and collected in the container of a condenser tumble dryer and the mass of

moisture removed from the load by the programme, the latter being the difference between the mass of the wet test load before drying and the mass of the test load after drying.

C_t is calculated as a percentage and rounded to the nearest whole percent as follows:

$$C_t = 0,24 \times C_{dry} + 0,76 \times C_{dry^{1/2}}$$

where

C_{dry} = average condensation efficiency of the eco programme at full load,

$C_{dry^{1/2}}$ = average condensation efficiency of the eco programme at partial load.

3. LOW POWER MODES

The power consumption of the off mode (P_o), standby mode (P_{sm}), and where applicable delay start (P_{ds}) are measured. The measured values are expressed in W and rounded to two decimal places.

During measurements of the power consumption in low power modes, the following functions shall be checked and recorded:

- (a) the display or not of information;
- (b) the activation or not of a network connection.

If the standby mode includes the display of information or status, this function shall also be provided when the networked standby is provided.

If the household tumble dryer provides for a wrinkle guard function, such function shall be interrupted by opening the door of the household tumble dryer, or any other appropriate intervention 15 minutes before the measurement of power consumption.

4. ACOUSTIC AIRBORNE NOISE EMISSION

The acoustic airborne noise emission of the drying cycle of a household tumble dryer shall be calculated for the eco programme at full load, using harmonised standards whose reference numbers have been published for this purpose in the *Official Journal of the European Union*, or using other reliable, accurate and reproducible methods, which take into account the generally recognised state-of-the-art.

Acoustic airborne noise emissions shall be measured in dB(A) with respect to 1 pW and shall be rounded to the nearest integer.

Verification procedure for the purpose of market surveillance

1. The verification tolerances set out in this Annex relate only to the verification of the declared values by Member State authorities and shall not be used by the manufacturer, importer or authorised representatives as an allowed tolerance to establish those values in the technical documentation or in interpreting these values with a view to achieving compliance or to communicate better performance by any means.
2. Where a model is not in conformity with the requirements laid down in Article 6, the model and all equivalent models shall be considered not compliant.
3. As part of verifying the compliance of a product model with the requirements laid down in this Regulation pursuant to Article 3(2) of Directive 2009/125/EC, the authorities of the Member States shall apply the following procedure:
 - (a) the Member State authorities shall verify one single unit of the model;
 - (b) the model shall be considered to comply with the applicable requirements where it meets all the following conditions:
 - (i) the declared values given in the technical documentation pursuant to point 2 of Annex IV to Directive 2009/125/EC, and, where applicable, the values used to calculate such declared values, are not more favourable for the manufacturer, importer or authorised representative than the results of the corresponding measurements carried out pursuant to point 2(g) of that Annex;
 - (ii) the declared values meet any requirements laid down in this Regulation, and any required product information published by the manufacturer, importer or authorised representative does not contain values that are more favourable for the manufacturer or importer than the declared values;
 - (iii) when the Member State authorities check the unit of the model, any software update system that may have been set up by the manufacturer, importer or authorised representative complies with the requirements set out in Article 7;
 - (iv) when the Member State authorities check the unit of the model, it complies with the programme requirements in point 1, resource efficiency requirements in point 5 and information requirements in point 6 of Annex II; and
 - (v) when the Member State authorities test the unit of the model, the determined values, that is to say the values of the relevant parameters as measured in testing and the values calculated from these measurements comply with:
 - a) the validity criteria set out in Table 1
 - b) the respective verification tolerances set out in Table 1.
4. Where the results referred to in points (3)(b), (i), (ii) (iii) or (iv) are not achieved, the model and all equivalent models shall be considered not to comply with this Regulation.

5. If the result referred to in point (3)(b)(v) is not achieved, the Member State authorities shall select three additional units of the same model for testing. As an alternative, the three additional units selected may be of one or more equivalent models.
6. The model and all equivalent models shall be considered not to comply with this Regulation as soon as the determined value for the final moisture content for the eco programme does not comply with the validity criteria as given in Table 1 for one of the three additional units referred to in point (5). In this case, the other units not yet tested do not need to be tested. The model shall be considered to comply if the determined value for the final moisture content complies with the validity criteria as given in Table 1 for each of the three additional units.
7. The model shall be considered to comply with the applicable requirements where, for the three units referred to in point (5), the arithmetical mean of the determined values complies with the respective verification tolerances set out in Table 1.
8. Where the result referred to in point (7) is not achieved, the model and all equivalent models shall be considered not in compliance with this Regulation.
9. The Member State authorities shall provide all relevant information to the authorities of the other Member States and to the Commission without delay after a decision is taken on the non-compliance of the model pursuant to points (2), (4), (6) or (8).
10. The Member State authorities shall use the measurement and calculation methods set out in Annex III.
11. The Member State authorities shall only apply the validity criteria and the verification tolerances that are set out in Table 1 and shall only use the procedure described in points (3) to (8) for the requirements referred to in this Annex. For the parameters in Table 1 no other validity criteria or verification tolerances, such as those set out in harmonised standards or in any other measurement method, shall be applied.

Table 1 - Verification tolerances and validity criteria

Parameter	Validity criteria
Final moisture content of the eco programme μ_t	The determined value shall be measured and calculated and be lower than 1,5 %.
Parameter	Verification tolerances
E_{dry} and $E_{dry\frac{1}{2}}$	The determined value* shall not exceed the declared value of E_{dry} and $E_{dry\frac{1}{2}}$ by more than 6 %.
E_{gdry} and $E_{gdry\frac{1}{2}}$	The determined value* shall not exceed the declared value of E_{gdry} and $E_{gdry\frac{1}{2}}$ by more than 6 %.
$E_{gdry,a}$ and $E_{gdry\frac{1}{2},a}$	The determined value* shall not exceed the declared value of $E_{gdry,a}$ and $E_{gdry\frac{1}{2},a}$ by more than 6 %.
C_t	The determined value* shall not be less than the declared value of C_t by more than 6 %.
T_{dry} and $T_{dry\frac{1}{2}}$	The determined value* shall not exceed the declared value of T_{dry} and $T_{dry\frac{1}{2}}$ by more than 6 %.
P_o	The determined value* of P_o shall not exceed the declared value by more than 0,10 W.
P_{sm}	The determined value* of P_{sm} shall not exceed the

	declared value by more than 10 % if the declared value is higher than 1,00 W, or by more than 0,10 W if the declared value is lower than or equal to 1,00 W.
P_{ds}	The determined value* of P_{ds} shall not exceed the declared value by more than 10 % where the declared value is higher than 1,00 W, or by more than 0,10 W if the declared value is lower than or equal to 1,00 W.
Acoustic airborne noise emissions	The determined value* shall not exceed the declared value by more than 2 dB with respect to 1 pW.

* Where three additional units are tested in accordance with point (5), the determined value means the arithmetical mean of the values determined for those three additional units.

Benchmarks

At the time of entry into force of this Regulation, the best available technology on the market for household tumble dryers is identified as follows:

- (1) condenser heating element tumble dryer with a rated capacity of 7 kg:
 - (a) energy consumption: 2,73 kWh/drying cycle for the eco programme (*);
 - (b) drying cycle time: 76 minutes for the eco programme (*);
 - (c) acoustic airborne noise emissions: 63 dB(A);
- (2) heat pump tumble dryer with a rated capacity of 7 kg:
 - (a) energy consumption: 0,85 kWh/ drying cycle for the eco programme (*);
 - (b) drying cycle time: 134 minutes for the eco programme (*);
 - (c) acoustic airborne noise emissions: 66 dB(A);
- (3) air-vented heating element tumble dryer with a rated capacity of 7 kg:
 - (a) energy consumption: 2,58 kWh/ drying cycle for the eco programme (*);
 - (b) drying cycle time: 76 minutes for the eco programme (*);
 - (c) acoustic airborne noise emissions: 69 dB(A);

(*) Calculated on the basis of a weighted average between full and partial load, where full load is multiplied by 0,24 and partial load by 0,76.

ANNEX VI

Multi-drum household tumble dryers

For multi-drum household tumble dryers, the provisions of points 1 to 4 of Annex II, following the measurement and calculation methods set out in Annex III, shall apply to each drum. The provisions of point 5 of Annex II shall apply to the multi-drum household tumble dryers as a whole. The provisions of point 6 of Annex II shall apply to each drum or to the multi-drum household tumble dryers as a whole as appropriate. The provisions of points 1 to 4 of Annex II, shall apply to each of the drums independently, except when the drums are built in the same casing and can, in the 'eco' programme, only operate simultaneously. In the latter case, these provisions shall apply to the multi-drum household tumble dryer as a whole, as follows:

- (a) the rated capacity of the multi-drum household tumble dryer is the sum of the rated capacities of each drum;
- (b) the energy consumption of the multi-drum household tumble dryer is the sum of the energy consumption of each drum;
- (c) the Energy Efficiency Index is calculated using the rated capacity and energy consumption of the whole multi-drum household tumble dryer;
- (d) the programme duration is the duration of the 'eco' programme of the drum with the largest rated capacity;
- (e) the requirements on low power modes apply to the whole multi-drum household tumble dryer;
- (f) the acoustic airborne noise emission is of the whole multi-drum household tumble dryer.

The verification procedure set out in Annex IV applies to the multi-drum household tumble dryers as a whole, with the validity criteria and verification tolerances applying to each of the parameters determined in application of this Annex.