

STN	Práčky bielizne používané v domácnostiach Metódy merania funkčných vlastností Zmena A11	STN EN 60456/A11 36 1060
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Clothes washing machines for household use - Methods for measuring the performance

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/21

STN EN 60456 z októbra 2016 sa bez tejto zmeny A11 môže používať do 21. 10. 2023.

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EUROPEAN STANDARD

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English Version

Clothes washing machines for household use - Methods for measuring the performance

Machines à laver le linge pour usage domestique -
Méthodes de mesure de l'aptitude à la fonction

Waschmaschinen für den Hausgebrauch - Verfahren zur
Messung der Gebrauchseigenschaften

This amendment A11 modifies the European Standard EN 60456:2016; it was approved by CENELEC on 2020-10-21. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European foreword

This document (EN 60456:2016/A11:2020) consists of the text IEC 60456:2010 prepared by SC 59D "Home laundry appliances", together with the common modifications prepared by CLC/TC 59X "Performance of household and similar electrical appliances".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-07-21
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2023-10-21

Significant technical differences are:

a) the **programme** to be tested for the **combined test series** is the new introduced **eco 40-60 programme**. This **programme** needs to be tested with default settings with the given temperature;

b) the **test loads** that have to be used for testing are full, half and quarter of the **rated capacity** of the **washing machine**. Therefore, a new **quarter load** is introduced and defined to be approximately a quarter of the **rated capacity** (see table ZA15). The **quarter load** is treated as a separate load and not created by dividing **full load** or **half load**;

c) the number of **test runs** per **treatment** for the **combined test series** changed to 3 tests with **full load**, 4 tests with **half load** and 3 tests with **quarter load**;

d) the time between two subsequent **test runs** within one day changed from 2 h to one hour;

e) the normalization run is included in the calculation of the load age. The maximum number of usages for the cotton base load per item is changed to 96 and the weighted average age of the base load is changed to be between 35 and 60 normalisation runs and test runs.

f) rinsing effectiveness is integrated. It is referred to CLC/TS 50677 (see ZA 4.10);

g) temperature inside the load is integrated. It is referred to CLC/TS 50707:2020 (under preparation) (see ZA4.11);

h) the procedure to measure low power modes is modified (see ZA4.9);

i) specific weighting factors are introduced for the calculation of the weighted average value of the **combined test series** and

j) Annex ZB Tolerances and control procedures is deleted. Annex ZB is replaced by an new Annex ZB which defines the testing procedure for multi-drum **washing machines**.

This document also specifies, as far as necessary, the test method for household **washing machines** in accordance with the COMMISSION DELEGATED REGULATION (EU) 2019/2014 of 11 March 2019 supplementing Regulation 2017/1369 of the European Parliament and of the Council with regard to energy labelling of household **washing machines** and household **washer-dryers** and repealing Commission Regulation (EU) No 1061/2010 and Commission Directive 96/60/EC and in accordance with the COMMISSION REGULATION (EU) 2019/2023 of 1 October 2019 laying down ecodesign requirements for household **washing machines** and household **washer-dryers** pursuant to Directive 2009/125/EC of the European Parliament and of the Council, amending Commission Regulation (EC) No 1275/2008 and repealing Commission regulation EU) No 1015/2010.

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Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 60456:2010 are prefixed “Z”.

Annex ZA sets out the procedure to be applied for testing according to Commission Regulations with regard to energy labelling and ecodesign and provides all necessary links to all relevant clauses of this European Standard.

This document has been prepared in view of upcoming Standardization Request which will be given to CENELEC by the European Commission and the European Free Trade Association, and supports Commission Delegated Regulation (EU) 2019/2014 and Commission Regulation (EU) 2019/2023.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

For the relationship with Commission Delegated Regulation (EU) 2019/2014 and Commission Regulation (EU) 2019/2023 informative Annex ZZA and Annex ZZB will be published following the adoption of the Standardization Request.

Endorsement notice

The text of the International Standard IEC 60456:2010 was approved by CENELEC as a European Standard with agreed common modifications

koniec náhľadu – text ďalej pokračuje v platenej verzii STN