Household electrical hair care appliances - Methods of measuring the performance

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 61855:2003 sisaldab Euroopa standardi EN 61855:2003 ingliskeelset teksti.	This Estonian standard EVS-EN 61855:2003 consists of the English text of the European standard EN 61855:2003.
Standard on kinnitatud Eesti Standardikeskuse 17.07.2003 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 17.07.2003 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 11.04.2003.	Date of Availability of the European standard text 11.04.2003.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 97.170

EUROPEAN STANDARD **EN 61855**

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English version

Household electrical hair care appliances - Methods of measuring the performance
(IEC 61855:2003)

Appareils électrodomestiques destinés aux soins des cheveux - Méthodes de mesure de l'aptitude à la fonction
(CEI 61855:2003)

Elektrische Haarpflegegeräte für den Hausgebrauch - Verfahren zur Messung der Gebrauchseigenschaften
(IEC 61855:2003)

This European Standard was approved by CENELEC on 2003-03-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 Central Secretariat or to any CENELEC member.

This European Standard 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC
European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Ref. No. EN 61855:2003 E

Foreword

The text of document 59/307/FDIS, future edition 1 of IEC 61855, prepared by IEC TC 59, Performance of household electrical appliances, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61855 on 2003-03-01.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2003-12-01

– latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-03-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annex ZA is normative and annexes A and B are informative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61855:2003 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60335-2-23 NOTE Harmonized as EN 60335-2-23:1996 (not modified).

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60584-2	- [1)]	Thermocouples Part 2: Tolerances	EN 60584-2	1993 [2)]
IEC 60704-2-9	- [3)]	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise Part 2-9: Particular requirements for electric hair care appliances	-	-
IEC 61254	- [1)]	Electric shavers for household use - Methods for measuring the performance	EN 61254	1994 [2)]
IEC 61592	- [1)]	Household electrical appliances - Guidelines for consumer panel testing	-	-
ISO 2267	1986	Surface active agents - Evaluation of certain effects of laundering - Methods of preparation and use of unsoiled cotton control cloth	-	-

[1)] Undated reference.

[2)] Valid edition at date of issue.

[3)] To be published.

INTERNATIONAL STANDARD

IEC 61855

First edition
2003-01

Household electrical hair care appliances – Methods of measuring the performance

Appareils électrodomestiques destinés aux soins des cheveux –
Méthodes de mesure de l'aptitude à la fonction

Reference number
IEC 61855:2003(E)

Publication numbering

As from 1 January 1997 all IEC publications are issued with a designation in the 60000 series. For example, IEC 34-1 is now referred to as IEC 60034-1.

Consolidated editions

The IEC is now publishing consolidated versions of its publications. For example, edition numbers 1.0, 1.1 and 1.2 refer, respectively, to the base publication, the base publication incorporating amendment 1 and the base publication incorporating amendments 1 and 2.

Further information on IEC publications

The technical content of IEC publications is kept under constant review by the IEC, thus ensuring that the content reflects current technology. Information relating to this publication, including its validity, is available in the IEC Catalogue of publications (see below) in addition to new editions, amendments and corrigenda. Information on the subjects under consideration and work in progress undertaken by the technical committee which has prepared this publication, as well as the list of publications issued, is also available from the following:

- **IEC Web Site (www.iec.ch)**

- **Catalogue of IEC publications**

  The on-line catalogue on the IEC web site (http://www.iec.ch/searchpub/cur_fut.htm) enables you to search by a variety of criteria including text searches, technical committees and date of publication. On-line information is also available on recently issued publications, withdrawn and replaced publications, as well as corrigenda.

- **IEC Just Published**

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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For price, see current catalogue

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HOUSEHOLD ELECTRICAL HAIR CARE APPLIANCES – METHODS FOR MEASURING THE PERFORMANCE

FOREWORD

1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61855 has been prepared by IEC technical committee 59: Performance of household electrical appliances.

The text of this standard is based on the following documents:

FDIS	Report on voting
59/307/FDIS	59/318/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until 2005-04. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

INTRODUCTION

This standard does not deal with hair care appliances with radiant heating or with helmet dryers (see Scope) for the following reasons:

– the test methods are likely to be complicated and expensive and they might not be sufficiently repeatable;

– suitable and or proven test methods are not known at present;

– developing of test methods for these appliances will incur considerable costs;

– the market shares of these appliances are rather small.

National Committees who consider that hair care appliances with radiant heating and helmet dryers should be included into maintainance activities are requested to submit proposals suitable for the corresponding test method.

HOUSEHOLD ELECTRICAL HAIR CARE APPLIANCES – METHODS FOR MEASURING THE PERFORMANCE

1 Scope

This International Standard applies to electrical appliances for household and similar use for drying and styling hair (including their accessories).

This standard defines the main performance characteristics that are of interest to the user and specifies methods of measuring these characteristics.

The measuring procedures are developed for comparable tests.

This standard does not specify requirements for performance.

This standard does not cover hair care appliances with radiant heating, helmet-type dryers or cutting devices.

NOTE 1 This standard does not deal with safety requirements (IEC 60335-2-23).

NOTE 2 Due to the influence of environmental conditions, variations in time, origin of test materials and proficiency of the operator, most of the described test methods will give more reliable results when applied for comparative testing of a number of appliances at the same time, in the same laboratory and by the same operator.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60584-2, *Thermocouples – Part 2: Tolerances*

IEC 60704-2-9, *Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-9: Particular requirements for electrical hair care appliances*[1]

IEC 61254, *Electric shavers for household use – Methods for measuring the performance*

IEC/TR 61592, *Household electrical appliances – Guidelines for consumer panel testing*

ISO 2267:1986, *Surface active agents – Evaluation of certain effects of laundering- Methods of preparation and use of unsoiled cotton control cloth*

3 Definitions

For the purpose of this document, the following definitions apply.

3.1
hairstyling appliance
appliance for styling or curling hairs

NOTE Hairstyling appliances may comprise brushes and combs.

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1 To be published.