

INTERNATIONAL STANDARD

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Household and similar use electrical hair care appliances – Methods for measuring the performance

Appareils électriques destinés aux soins des cheveux pour usages domestiques et analogues – Méthodes de mesure de l'aptitude à la fonction



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOUSEHOLD AND SIMILAR USE ELECTRICAL HAIR CARE APPLIANCES –
METHODS FOR MEASURING THE PERFORMANCE**

FOREWORD

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IEC 61855 has been prepared by subcommittee 59L: Small household appliances, of IEC technical committee 59: Performance of household and similar electrical appliances. It is an International Standard.

This second edition cancels and replaces the first edition published in 2003. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition.

- a) the definitions of hair dryers, hair curlers and hair straighteners are updated;
- b) the measurement of temperature profile of the outlet air of hair dryers is added;
- c) the measurement of temperature profile of the whole work area of hair curlers is added;
- d) the measurement of temperature profile of the heating plate of hair straighteners is added;
- e) the measurement method for air flow of hair dryers is introduced;
- f) the measurement method for anion emission concentration of anion hair dryers is introduced;

- g) the measurement method for tension of hair straighteners is introduced;
- h) the service life test for hair dryers, hair curlers and hair straighteners is introduced.

The text of this International Standard is based on the following documents:

Draft	Report on voting
59L/215/FDIS	59L/218/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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HOUSEHOLD AND SIMILAR USE ELECTRICAL HAIR CARE APPLIANCES – METHODS FOR MEASURING THE PERFORMANCE

1 Scope

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

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

NOTE 1 Appliances to which this document applies include:

- **Hair dryers;**
- **Hair curlers;**
- **Hair straighteners.**

This document does not specify the requirements for performance.

This document does not deal with safety requirements (IEC 60335-2-23).

This document does not apply to electric hair clippers or trimmers.

NOTE 2 See IEC 62863 for the method of measuring the performance of electric hair clippers or trimmers for household use.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 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*

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

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1

hair dryer

appliance that applies electric energy to dry the hair by cool or warm air flow