

SLOVENSKI STANDARD
SIST EN IEC 60704-2-8:2020**01-julij-2020****Nadomešča:**
SIST EN 60704-2-8:2001

Gospodinjski in podobni električni aparati - Preskuševalni kod za ugotavljanje zvočnega hrupa v zraku - 2-8. del: Posebne zahteve za električne brivnike in strižnike ali prirezovalnike

Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-8: Particular requirements for electric shavers and clippers or trimmers

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Elektrische Geräte für den Hausgebrauch und ähnliche Zwecke - Prüfvorschrift für die Bestimmung der Luftschallemission - Teil 2-8: Besondere Anforderungen an elektrische Rasierer und Haarschneidemaschinen oder Haartrimmer<https://standards.iteh.ai/catalog/standards/sist/eb3eef26-1b6e-4cfd-b498-625bd9c3703c/sist-en-iec-60704-2-8-2020>

Appareils électrodomestiques et analogues - Code d'essai pour la détermination du bruit aérien - Partie 2-8: Règles particulières pour les tondeuses pour usage domestique

Ta slovenski standard je istoveten z: EN IEC 60704-2-8:2020**ICS:**

17.140.20	Emisija hrupa naprav in opreme	Noise emitted by machines and equipment
97.170	Oprema za nego telesa	Body care equipment

SIST EN IEC 60704-2-8:2020 **en**

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EUROPEAN STANDARD

EN IEC 60704-2-8

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2020

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Supersedes EN 60704-2-8:1997 and all of its
amendments and corrigenda (if any)

English Version

Household and similar electrical appliances - Test code for the
determination of airborne acoustical noise - Part 2-8: Particular
requirements for electric shavers, hair clippers or trimmers
(IEC 60704-2-8:2020)

Appareils électrodomestiques et analogues - Code d'essai
pour la détermination du bruit aérien - Partie 2-8: Exigences
particulières pour les rasoirs et les tondeuses à barbe ou à
cheveux électriques
(IEC 60704-2-8:2020)

Elektrische Geräte für den Hausgebrauch und ähnliche
Zwecke - Prüfvorschrift für die Bestimmung der
Luftschallemission - Teil 2-8: Besondere Anforderungen an
elektrische Rasierer und Haarschneidemaschinen oder
Haartrimmer
(IEC 60704-2-8:2020)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 60704-2-8:2020 (E)**European foreword**

The text of document 59L/176/FDIS, future edition 2 of IEC 60704-2-8, prepared by SC 59L "Small household appliances" of IEC/TC 59 "Performance of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60704-2-8:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-01-13
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-04-13

This document supersedes EN 60704-2-8:1997 and all of its amendments and corrigenda (if any).

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.

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[625bd9c3703c/sist-en-iec-60704-2-8-2020](https://standards.iteh.ai/catalog/standards/sist/eb3eef26-1b6e-4cfd-b498-625bd9c3703c/sist-en-iec-60704-2-8-2020)

The text of the International Standard IEC 60704-2-8:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61254:1993	NOTE	Harmonized as EN 61254:1994 (not modified)
IEC 62863:2017	NOTE	Harmonized as EN 62863:2017 (not modified)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Clause 2 of IEC 60704-1:2010 is applicable except as follows:

Replace the following references:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 3743-1	2010	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for small movable sources in reverberant fields - Part 1: Comparison method for a hard-walled test room	EN ISO 3743-1	2010
ISO 3743-2	2018	Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for small, movable sources in reverberant fields - Part 2: methods for special reverberation test rooms	EN ISO 3743-2	2019
ISO 3744	2010	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane	EN ISO 3744	2010

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IEC 60704-2-8

Edition 2.0 2020-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-8: Particular requirements for electric shavers, hair clippers or trimmers

Appareils électrodomestiques et analogues – Code d'essai pour la détermination du bruit aérien – Partie 2-8: Exigences particulières pour les rasoirs et les tondeuses à barbe ou à cheveux électriques

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –
TEST CODE FOR THE DETERMINATION OF
AIRBORNE ACOUSTICAL NOISE –****Part 2-8: Particular requirements for electric shavers,
hair clippers or trimmers**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60704-2-8 has been prepared by subcommittee 59L: Small household appliances, of IEC technical committee 59: Performance of household and similar electrical appliances.

This second edition cancels and replaces the first edition published in 1997. This edition constitutes a technical revision.

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

- a) the scope of the products has been enlarged to include hair clippers and trimmers;
- b) it includes standard deviations of sound power levels in 1.1.3;
- c) the normative references have been updated (ISO 3744:2010 and ISO 3743-1:2010);

- d) it is adjusted with respect to IEC 60704-1:2010;
- e) it has been updated to comply with the ISO/IEC Directives, Part 2.

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

FDIS	Report on voting
59L/176/FDIS	59L/177/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 document has been drafted in accordance with the ISO/IEC Directives, Part 2.

This Part 2-8 is intended to be used in conjunction with third edition (2010) of IEC 60704-1, *Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 1: General requirements*.

The relevant text of IEC 60704-1:2010 as amended by this standard establishes the test code for shavers, hair clippers or trimmers.

This Part 2-8 supplements or modifies the corresponding clauses in IEC 60704-1:2010, so as to establish the test code for shavers, hair clippers or trimmers. When a particular subclause of IEC 60704-1:2010 is not mentioned in this Part 2-8, that subclause is applicable as far as reasonable. Where this standard states "addition", "modification" or "replacement", the relevant requirements, test specifications or explanatory matter in IEC 60704-1:2010 should be adapted accordingly.

Subclauses, tables and figures that are numbered starting from 101 are additional to those in IEC 60704-1:2010. <https://standards.iteh.ai/catalog/standards/sist/eb3ee126-1b6e-4cfd-b498-625bd9c3703c/sist-en-iec-60704-2-8-2020>

Unless notes are in a new subclause or involve notes in IEC 60704-1:2010, they are numbered starting from 101, including those in a replaced clause or subclause.

Additional annexes are lettered AA, BB, etc.

A list of all parts in the IEC 60704 series, published under the general title *Household and similar electrical appliances – Test code for the determination of airborne acoustical noise*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

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

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INTRODUCTION

The measuring conditions specified in this document provide for sufficient steadiness in the noise emitted and reproducibility in different laboratories, whilst simulating as far as possible the practical use of shavers, hair clippers or trimmers.

It is recommended to consider the determination of noise levels as part of a comprehensive testing procedure covering many aspects of the properties and performance of shavers, hair clippers or trimmers.

NOTE As stated in the Introduction to IEC 60704-1:2010, this test code is concerned with airborne noise only.

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