

INTERNATIONAL STANDARD

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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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CONTENTS

FOREWORD	3
INTRODUCTION.....	5
1 Scope and object.....	6
2 Normative references	7
3 Terms and definitions	7
4 Measurement methods and acoustical environments	8
5 Instrumentation.....	8
6 Operation and location of appliances under test	8
7 Measurement of sound pressure levels.....	12
8 Calculation of sound pressure and sound power levels	13
9 Information to be recorded.....	13
10 Information to be reported	13
Annexes	14
Annex B (normative) Test enclosure	14
Bibliography.....	15
Figure 101 – Isometric position views of the shaver, hair clipper or trimmer	12
Table 101 – Standard deviations of sound power levels	7
Table 102 – Standard deviations for declaration and verification	7

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

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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.

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.

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

1 Scope and object

This clause of IEC 60704-1:2010 is applicable except as follows:

1.1 Scope

1.1.1 General

Replacement:

This document applies to electric shavers, hair clippers or trimmers for domestic and similar use, supplied from mains or secondary batteries or primary batteries.

The term "similar use" is understood to mean the use in hotels, hospitals, shops, offices, etc.

NOTE 101 This document does not apply to shavers, hair clippers or trimmers that are powered by means other than electrical, for example by a spring-device.

NOTE 102 If possible, this document can also be applied to analogous electrically operated devices, such as depilating devices.

1.1.2 Types of noise

Replacement:

The methods specified in ISO 3743-1, ISO 3743-2 and ISO 3744 can be used for measuring noise emitted by shavers, hair clippers or trimmers

1.1.3 Size of the source

Replacement:

The method specified in ISO 3744:2010 is applicable to noise sources of any size. Limitations for the size of the source are given in Subclause 1.2 of ISO 3743-1:2010 and Clause 5 of ISO 3743-2:2018.

1.2 Object

Addition:

Requirements for the declaration of noise emission values are not within the scope of this document.

NOTE 101 For determining and verifying noise emission values declared in product specifications, see IEC 60704-3.

1.3 Measurement uncertainty

Replacement: