
Gospodinjski in podobni električni aparati – Preskuševalni kod za ugotavljanje zvočnega hrupa v zraku - 3. del: Postopek za ugotavljanje in potrjevanje določene ravni emisije hrupa (IEC 60704-3:2006)

Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 3: Procedure for determining and verifying declared noise emission values (IEC 60704-3:2006)

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English version

**Household and similar electrical appliances -
Test code for the determination of airborne acoustical noise
Part 3: Procedure for determining and
verifying declared noise emission values
(IEC 60704-3:2006)**

Appareils électrodomestiques et
analogues -
Code d'essai pour la détermination du
bruit aérien
Partie 3: Procédure pour déterminer et
vérifier l'annonce des valeurs d'émission
acoustique
(CEI 60704-3:2006)

Elektrische Geräte für den Hausgebrauch
und ähnliche Zwecke -
Prüfvorschrift für die Bestimmung der
Luftschallemission
Teil 3: Verfahren zur Bestimmung und
Nachprüfung angegebener
Geräuschemissionswerte
(IEC 60704-3:2006)

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This European Standard was approved by CENELEC on 2006-03-01. 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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

Foreword

The text of document 59/434/FDIS, future edition 2 of IEC 60704-3, 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 60704-3 on 2006-03-01.

This European Standard supersedes EN 60704-3:1994.

Major changes in EN 60704-3:2006 involve revised values in Table A.1, including added values for fans and ovens and designation of values for standard deviations of production as informative rather than normative. Additionally, it was determined that standard deviations specified in part 2 documents of the IEC/EN 60704 series supersede the values given in Table A.1.

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) 2006-12-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2009-03-01

Annex ZA has been added by CENELEC.

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The text of the International Standard IEC 60704-3:2006 was approved by CENELEC as a European Standard without any modification.

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

ISO 4871	NOTE Harmonized as EN ISO 4871:1996 (not modified).
ISO 7574-1	NOTE Harmonized as EN 27574-1:1988 (not modified).
ISO 7574-4	NOTE Harmonized as EN 27574-4:1988 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60704-1	1997	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise Part 1: General requirements	EN 60704-1	1997
IEC 60704-2	Series	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise	EN 60704-2	Series
ISO 3534-1	1993	Statistics - Vocabulary and symbols - Part 1: Probability and general statistical terms	-	-

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60704-3

Deuxième édition
Second edition
2006-02

**Appareils électrodomestiques et analogues –
Code d'essai pour la détermination
du bruit aérien –**

Partie 3:

**Procédure pour déterminer et vérifier l'annonce
des valeurs d'émission acoustique**

**Household and similar electrical appliances –
Test code for the determination of airborne
acoustical noise –**

Part 3:

**Procedure for determining and verifying
declared noise emission values**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –
TEST CODE FOR THE DETERMINATION OF AIRBORNE
ACOUSTICAL NOISE –****Part 3: Procedure for determining and verifying
declared noise emission values**

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 60704-3 has been prepared by IEC technical committee 59: Performance of household electrical appliances.

This second edition cancels and replaces the first edition published in 1992 and constitutes a technical revision. Major changes in this second edition involve revised values in Table A.1, including added values for fans and ovens and designation of values for standard deviations of production as informative rather than normative. Additionally, it was determined that standard deviations specified in part 2 documents of the IEC 60704 series supersede the values given in Table A.1.

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

FDIS	Report on voting
59/434/FDIS	59/438/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.

This Part 3 of IEC 60704 is intended to be used in conjunction with the latest edition of IEC 60704-1 and IEC 60704-2. It was established on the basis of the second edition (1997) of IEC 60704-1.

IEC 60704 consists of the following parts, under the general title *Household and similar electrical appliances – Test code for the determination of airborne acoustical noise*:

Part 1	General requirements
Part 2-1	Particular requirements for vacuum cleaners
Part 2-2	Particular requirements for forced draught convection heaters
Part 2-3	Particular requirements for dishwashers
Part 2-4	Particular requirements for washing machines and spin extractors
Part 2-5	Particular requirements for electric thermal storage room heaters
Part 2-6	Particular requirements for tumble dryers
Part 2-7	Particular requirements for fans
Part 2-8	Particular requirements for electric shavers
Part 2-9	Particular requirements for electric hair care appliances
Part 2-10	Particular requirements for electric cooking ranges, ovens, grills, microwave ovens and any combination of these
Part 2-11	Particular requirements for electrically operated food preparation
Part 2-13	Particular requirements for range hoods
Part 3	Procedure for determining and verifying declared noise emission values

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

INTRODUCTION

Although the noise levels produced by household appliances are not known to present a hazard to the hearing of users or other exposed persons, and as a result no noise limits have been specified by relevant authorities responsible for health protection, a comprehensive and correct declaration of noise emission will be very helpful to enable the potential buyer to make a good choice between appliances of the same category (serving for the same purpose) of different makes or for different models.

In order to ensure a correct declaration of noise emission values, this part of IEC 60704 prescribes a simple method for verifying declared values and provides information for determining the noise emission values.

The necessary measurements are carried out according to the relevant parts of IEC 60704.

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