

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

The European Standard EN 60704-3:2006 has the status of a
British Standard

ICS 17.140.20; 97.040

National foreword

This British Standard is the official English language version of EN 60704-3:2006. It is identical with IEC 60704-3:2006. It supersedes BS EN 60704-3:1995 which will be withdrawn on 1 March 2009.

The UK participation in its preparation was entrusted to Technical Committee CPL/59, Performance of household electrical appliances, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

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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.

Endorsement notice

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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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.

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

1 Scope

This part of IEC 60704 describes procedures for determining and verifying the declared values of the noise emitted by household and similar appliances.

It applies to all categories of household and similar electrical appliances covered by IEC 60704-1 and IEC 60704-2 dealing with particular requirements for special categories of appliances.

It applies to appliances being produced in quantity (in series, batches, lots) manufactured to the same technical specification and characterized by the same labeled value of noise emission.

This part of IEC 60704

- considers the term "declaration" to include all means for providing information on the noise emission values to potential users (consumers) of the appliances; this includes labels, brochures, advertisements, commercial and technical information papers, etc.;
- considers the declaration for appliances manufactured by mass production, with the same declared value for the lot (batch);
- specifies a simple statistical method for verifying the declared values by investigating a sample of only three appliances.

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 60704-1:1997, *Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 1: General requirements*

IEC 60704-2 (all parts), *Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2: Particular requirements*

ISO 3534-1:1993, *Statistics – Vocabulary and symbols – Part 1: Probability and general statistical terms*