

SLOVENSKI STANDARD
SIST EN 60704-3:2019**01-november-2019****Nadomešča:**
SIST EN 60704-3:2006**Gospodinjski in podobni električni aparati - Preskuševalni kod za ugotavljanje zvočnega hrupa v zraku - 3. del: Postopek za ugotavljanje in potrjevanje določene ravni emisije hrupa**

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

iTeh STANDARD PREVIEW

Elektrische Geräte für den Hausgebrauch und ähnliche Zwecke - Prüfvorschrift für die Bestimmung der Luftschallemission - Teil 3: Verfahren zur Bestimmung und Nachprüfung angegebener Geräuschemissionen

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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

Ta slovenski standard je istoveten z: EN 60704-3:2019**ICS:**

17.140.20	Emisija hrupa naprav in opreme	Noise emitted by machines and equipment
97.030	Električni aparati za dom na splošno	Domestic electrical appliances in general

SIST EN 60704-3:2019**en**

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EUROPEAN STANDARD

EN 60704-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2019

ICS 17.120.20; 97.040

Supersedes EN 60704-3:2006 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 3: Procedure for
determining and verifying declared noise emission values
(IEC 60704-3:2019 , modified)

Appareils électrodomestiques et analogues - Code d'essai
pour la détermination du bruit aérien - Partie 3: Méthode de
détermination et de vérification des valeurs déclarées
d'émission sonore
(IEC 60704-3:2019 , modifiée)

Elektrische Geräte für den Hausgebrauch und ähnliche
Zwecke - Prüfvorschrift für die Bestimmung der
Luftschallemission - Teil 3: Verfahren zur Bestimmung und
Nachprüfung angegebener Geräuschemissionswerte
(IEC 60704-3:2019 , modifiziert)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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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 60704-3:2019 (E)**European foreword**

The text of document 59/675/CDV, future edition 3 of IEC 60704-3, prepared by IEC/TC 59 "Performance of household electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60704-3:2019.

A draft amendment, which covers common modifications to IEC 60704-3 (59/675/CDV), was prepared by CLC/TC 59X "Performance of household and similar electrical appliances" and approved by CENELEC.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-07-02
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2022-07-02

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The text of the International Standard IEC 60704-3:2019 was approved by CENELEC as a European Standard with agreed common modifications.

[SIST EN 60704-3:2019
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COMMON MODIFICATIONS

Introduction

Add the following paragraph:

Requirements on noise are requested in European delegated regulations supplementing Regulation (EU) 2017/1369 and regulations implementing EU Directive on ecodesign (2009/125/EC). Verification of noise is set out in these regulations also. Commission delegated regulation (EU) 2017/254 and Commission regulation (EU) 2016/2282 set out requirements on the use of tolerances in verification procedures. These requirements are different from the statistical approach laid down in standard IEC 60704-3:2019. Therefore, there is an addition to Clause 5.1. For determination purpose Clause 6 provides an option. Caution is to be taken as the statistical approach is not aligned with requirements set out in the EU regulations on verification.

5 Verification of declared noise emission values

5.1 Basis of the procedure

Add a paragraph at top of this clause as follows:

For verification of declared noise emission values related to EU regulations on energy labelling and ecodesign this clause is not applicable. The criteria for pass and fail are laid down in these regulations.

NOTE Applicable EU regulations are available at Official Journal of the European Union.

Example “*The determined value shall not exceed the declared value of LWA.*”, see Commission Delegated Regulation (EU) No 65/2014 on range hoods, Annex VIII.

6 Determination of noise emission values for declaration

6.1 Determination procedure

Add the following paragraph:

Caution shall be taken when applying the method described in 6.2 and 6.3 for the purpose of declaration of sound power values for EU energy labelling and proofing compliance with EU requirements on ecodesign. Paragraphs 6.2 and 6.3 are describing a statistical procedure for the determination of noise which is aligned with the statistical verification procedure detailed in EN 60704-3:2019, Clause 5. However, this approach does not fit with the requirements set out in said EU regulations.

EN 60704-3:2019 (E)

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 When 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60704-1	2010	Household and similar electrical appliances - Test code for the determination of airborne noise - Part 1: General requirements	-EN 60704-1 +A11	2010 2012
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	2006	Statistics - Vocabulary and symbols - Part 1:- General statistical terms and terms used in probability	-	-
ISO 7574-1	1985	Acoustics - Statistical methods for determining and verifying stated noise emission values of machinery and equipment - Part 1: General considerations and definitions	EN 27574-1	1988
ISO 7574-4	1985	Acoustics - Statistical methods for determining and verifying stated noise emission values of machinery and equipment - Part 4: Methods for stated values for batches of machines	EN 27574-4	1988

Bibliography

Add the following publications

DIRECTIVE 2009/125/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy-related products

REGULATION (EU) 2017/1369 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2017 setting a framework for energy labelling and repealing Directive 2010/30/EU

COMMISSION DELEGATED REGULATION (EU) No 65/2014 of 1 October 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of domestic ovens and range hoods

COMMISSION REGULATION (EU) 2016/2282 of 30 November 2016 amending Regulations (...) with regard to the use of tolerances in verification procedures

COMMISSION DELEGATED REGULATION (EU) 2017/254 of 30 November 2016 amending Delegated Regulations (...) with regard to the use of tolerances in verification procedures

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IEC 60704-3

Edition 3.0 2019-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE



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

Appareils électrodomestiques et analogues – Code d'essai pour la détermination du bruit aérien – Partie 3: Méthode de détermination et de vérification des valeurs déclarées d'émission sonore

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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

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

IEC 60704-1:2010 has served as a basis for the elaboration of this standard.

This third edition cancels and replaces the second edition published in 2006. This edition constitutes a technical revision. It includes the following significant technical changes with respect to the previous edition:

- a) in Annex A, standard deviations that are now specified for various appliance categories in the parts of IEC 60704-2 have been excluded from Table A.1;
- b) furthermore, this edition makes reference to new standards and is implementing ISO/IEC Directives, Part 2 in a more accurate manner.

Standard deviations specified in part 2 documents of the IEC 60704 series supersede the values given in Table A.1.