

Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for range hoods and other cooking fume extractors

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 60704-2-13:2017 sisaldab Euroopa standardi EN 60704-2-13:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 60704-2-13:2017 consists of the English text of the European standard EN 60704-2-13:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

**Household and similar electrical appliances - Test code for the
determination of airborne acoustical noise - Part 2-13: Particular
requirements for range hoods and other cooking fume extractors
(IEC 60704-2-13:2016)**

Appareils électrodomestiques et analogues - Code d'essai
pour la détermination du bruit aérien - Partie 2-13:
Exigences particulières pour les hottes de cuisine et autres
extracteurs de fumée de cuisine
(IEC 60704-2-13:2016)

Elektrische Geräte für den Hausgebrauch und ähnliche
Zwecke - Prüfvorschrift für die Bestimmung der
Luftschallemission - Teil 2-13: Besondere Anforderungen
für Dunstabzugshauben
(IEC 60704-2-13:2016)

This European Standard was approved by CENELEC on 2016-11-30. 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 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: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 59K/272/CDV, future edition 3 of IEC 60704-2-13, prepared by SC 59K: "Performance of household and similar electrical cooking 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 60704-2-13:2017.

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) 2017-08-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-11-30

This document supersedes EN 60704-2-13:2011.

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Endorsement notice

The text of the International Standard IEC 60704-2-13:2016 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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.

Addition to Annex ZA of EN 60704-1:2010:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61591	1997	Household range hoods - Methods for measuring performance	EN 61591	1997
+ A1	2005		+ A1	2006
+ A2	2010		+ A2	2011
-	-		+ A11	2014
-	-		+ A12	2015
ISO 7235	-	Acoustics - Laboratory measurement procedures for ducted silencers and air-terminal units - Insertion loss, flow noise and total pressure loss	EN ISO 7235	2009

Replace

<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 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

CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope and object.....	6
2 Normative references.....	7
3 Terms and definitions	8
4 Measurement methods and acoustical environments	8
5 Instrumentation.....	9
6 Operation and location of appliances under test	9
7 Measurement of sound power levels	12
8 Calculation of sound pressure and sound power levels	12
9 Information to be recorded	13
10 Information to be reported.....	13
Annexes	16
Annex A (normative)	16
Figure 101 – Standard load for cooking fume extractors.....	14
Figure 102 – Example of standard stand.....	14
Figure 103 – Standard load for cooking fume extractors with an external fan.....	15
Table 101 – Standard deviations of sound power levels	7
Table 102 – Standard deviations for declaration and verification	7

INTRODUCTION

The measuring conditions specified in this part of IEC 60704 provide for sufficient accuracy in determining the noise emitted and comparing the results of measurements taken by different laboratories, whilst simulating as far as possible the practical use of household range hoods and other cooking fume extractors.

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 household range hoods and other cooking fume extractors.

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

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – TEST CODE FOR THE DETERMINATION OF AIRBORNE ACOUSTICAL NOISE –

Part 2-13: Particular requirements for range hoods and other cooking fume extractors

1 Scope and object

This clause of Part 1 is applicable except as follows:

1.1 Scope

1.1.1 General

Addition:

These particular requirements apply to electrical range hoods and other cooking fume extractors for household and similar use intended for filtering the air of a room or for exhausting the air out of a room, including their accessories and their component parts. It also applies to cooking fume extractors with an external fan which may be mounted inside or outside of the room where the range hood is located or a down-draft system that is arranged beside, behind or under the cooking surface.

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 cooking fume extractors.

1.1.3 Size of source

Replacement:

The method specified in ISO 3744 is applicable to noise sources of any size. When applying ISO 3743-1 and ISO 3743-2, care should be taken that the maximum size of the cooking fume extractor under test fulfils the requirements specified in 1.2 of ISO 3743-1 and 1.3 of ISO 3743-2.

1.2 Object

Addition:

This standard describes the determination of the noise emission of household cooking fume extractors under normal operating conditions and at the highest fan speed setting for normal use.

NOTE 101 If a boost position is incorporated, this is not taken into account (see 6.5 of IEC 61591:1997).

NOTE 102 A boost position is a setting of a control for occasional use, which results in a higher temporary fan speed (see 6.5 of IEC 61591:1997).

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