



BSI Standards Publication

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

Part 2-10: Particular requirements for ranges, ovens, steam ovens, grills and microwave ovens

National foreword

This British Standard is the UK implementation of EN IEC 60704-2-10:2024. It is identical to IEC 60704-2-10:2024. It supersedes BS EN 60704-2-10:2011, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CPL/59, Performance of household electrical appliances.

A list of organizations represented on this committee can be obtained on request to its committee manager.

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2024
Published by BSI Standards Limited 2024

ISBN 978 0 539 27834 7

ICS 17.140.20; 97.040.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 November 2024.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

English Version

Household and similar electrical appliances - Test code for the
determination of airborne acoustical noise - Part 2-10: Particular
requirements for ranges, ovens, steam ovens, grills and
microwave ovens
(IEC 60704-2-10:2024)

Appareils électrodomestiques et analogues - Code d'essai
pour la détermination du bruit aérien - Partie 2-10:
Exigences particulières pour les cuisinières, les fours, les
fours à vapeur, les grills et les fours à micro-ondes
(IEC 60704-2-10:2024)

Elektrische Geräte für den Hausgebrauch und ähnliche
Zwecke - Prüfvorschrift für die Bestimmung der
Luftschallemission - Teil 2-10: Besondere Anforderungen
für Herde, Backöfen, Dampfgarer, Grills und
Mikrowellengeräte
(IEC 60704-2-10:2024)

This European Standard was approved by CENELEC on 2024-10-08. 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.

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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.



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

European foreword

The text of document 59K/396/FDIS, future edition 3 of IEC 60704-2-10, 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 IEC 60704-2-10:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-11-30 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-11-30 document have to be withdrawn

This document supersedes EN 60704-2-10:2011 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 60704-2-10:2024 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 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 Where 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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60350-1	2023	Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance	EN IEC 60350-1	2023
IEC 60705	2024 ¹	Household microwave ovens - Methods for measuring performance	EN IEC 60705	2025 ²

¹ Under preparation. Stage at the time of publication: IEC FDIS 60705:2024.

² Under preparation. Stage at the time of publication: FprEN IEC 60705:2024.

CONTENTS

FOREWORD.....	3
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	7
4 Measurement methods and acoustical environments	8
5 Instrumentation.....	9
5.1 Instrumentation for measuring acoustical data	9
6 Operation and location of appliance under test	10
6.1 Equipping and pre-conditioning of appliances	10
6.2 Supply of electrical energy and of water or gas	10
7 Measurement of sound pressure levels.....	12
9 Information to be recorded.....	12
10 Information to be reported	12
Annex A.....	13
Table 1 – Standard deviations of sound power levels.....	9
Table 2 – Standard deviations for declaration and verification.....	9
Table 101 – Settings and measurement time	11