
Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-9: Particular requirements for electric hair care appliances

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EUROPEAN STANDARD

EN 60704-2-9

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2003

ICS 97.170; 17.140.20

English version

**Household and similar electrical appliances -
Test code for the determination of airborne acoustical noise
Part 2-9: Particular requirements for electric hair care appliances
(IEC 60704-2-9:2003)**

Appareils électrodomestiques
et analogues -
Code d'essai pour la détermination
du bruit aérien
Partie 2-9: Règles particulières
pour les appareils électriques
destinés aux soins des cheveux
(CEI 60704-2-9:2003)

Elektrische Geräte für den Hausgebrauch
und ähnliche Zwecke -
Prüfvorschrift für die Bestimmung
der Luftschallemission
Teil 2-9: Besondere Anforderungen
an Haarpflegegeräte
(IEC 60704-2-9:2003)

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This European Standard was approved by CENELEC on 2003-09-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and 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 59/326/FDIS, future edition 1 of IEC 60704-2-9, 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 60704-2-9 on 2003-09-01.

This Part 2-9 is to be used in conjunction with EN 60704-1:1997, *Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 1: General requirements*.

This Part 2-9 supplements or modifies the corresponding clauses of EN 60704-1. When a particular subclause of Part 1 is not mentioned in this Part 2-9, that subclause applies as far as is reasonable. Where this Part 2-1 states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

Subclauses or figures which are additional to those in Part 1 are numbered starting from 101. Additional annexes are lettered AA, BB, etc.

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) 2004-06-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-09-01

Annexes designated "normative" are part of the body of the standard.

In this standard, annex A is normative.

Endorsement notice

The text of the International Standard IEC 60704-2-9:2003 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61855 NOTE Harmonized as EN 61855:2003 (not modified).

NORME
INTERNATIONALE
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STANDARD

CEI
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60704-2-9

Première édition
First edition
2003-06

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

Partie 2-9:

**Règles particulières pour les appareils électriques
destinés aux soins des cheveux**

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airborne acoustical noise –**

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Part 2-9:

**Particular requirements for electric
hair care appliances**

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International Electrotechnical Commission
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CONTENTS

| | |
|--|----|
| FOREWORD | 5 |
| INTRODUCTION | 9 |
| 1 Scope and object | 11 |
| 2 Normative references | 13 |
| 3 Terms and definitions | 13 |
| 4 Measurement methods and acoustical environments | 15 |
| 5 Instrumentation | 15 |
| 6 Operation and location of appliances under test | 15 |
| 7 Measurement of sound pressure levels | 19 |
| 8 Calculation of sound pressure and sound power levels | 19 |
| 9 Information to be recorded | 19 |
| 10 Information to be reported | 21 |
| Annex A (normative) Standard test table | 23 |
| Bibliography | 25 |

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 2-9: Particular requirements for electric hair care appliances

FOREWORD

- 1) The IEC (International Electrotechnical Commission) 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, the IEC publishes International Standards. 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. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
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- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
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- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60704-2-9 has been prepared by IEC technical committee 59: Performance of household electrical appliances.

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

| FDIS | Report on Voting |
|-------------|------------------|
| 59/326/FDIS | 59/332/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 ISO/IEC Directives, Part 2.

IEC 60704 consists of the following parts, under the general title *Test code for the determination of airborne acoustical noise*:

Part 1: General requirements

Part 2: Particular requirements

Part 3: Procedure

This part 2-9 is intended to be used in conjunction with the second edition of IEC 60704-1:1997: *Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 1: General requirements*.

The relevant text of Part 1 as amended by this standard establishes the test code for electric hair care appliances.

This Part 2-9 supplements or modifies the corresponding clauses in IEC 60704-1. When a particular subclause of Part 1 is not mentioned in this Part 2-9, that subclause applies as far as reasonable. Where this standard states "addition", "modification" or "replacement", the relevant requirements, test specification or explanatory matter in Part 1 shall be adapted accordingly.

Subclauses or figures which are additional to those in Part 1 are numbered starting from 101. Additional annexes are lettered AA, BB, etc.

The committee has decided that the contents of this publication will remain unchanged until 2006. At this date, the publication will be

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

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INTRODUCTION

The measuring conditions specified in this part 2-9 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 hair care appliances.

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 electric hair care appliances.

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

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