



BSI Standards Publication

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

Part 2-6: Particular requirements for tumble dryers

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### **National foreword**

This British Standard is the UK implementation of EN 60704-2-6:2012. It is identical to IEC 60704-2-6:2012. It supersedes BS EN 60704-2-6:2004 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee CPL/59, Performance of household electrical appliances, to Subcommittee CPL/59/1, Dishwashers and washing machines.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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### **Amendments issued since publication**

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English version

**Household and similar electrical appliances -  
 Test code for the determination of airborne acoustical noise -  
 Part 2-6: Particular requirements for tumble dryers  
 (IEC 60704-2-6:2012)**

Appareils électrodomestiques  
 et analogues - Code d'essai  
 pour la détermination du bruit aérien -  
 Partie 2-6: Règles particulières  
 pour les sèche-linge à tambour  
 (CEI 60704-2-6:2012)

Elektrische Geräte für den Hausgebrauch  
 und ähnliche Zwecke -  
 Prüfvorschrift für die Bestimmung  
 der Luftschallemission -  
 Teil 2-6: Besondere Anforderungen  
 für Wäschetrockner  
 (IEC 60704-2-6:2012)

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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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**CENELEC**

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 59D/394/FDIS, future edition 3 of IEC 60704-2-6, prepared by SC 59D, "Home laundry appliances" of IEC/TC 59 "Performance of household electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60704-2-6:2012.

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) 2013-04-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-05-01

This document supersedes EN 60704-2-6:2004.

EN 60704-2-6:2012 includes the following significant technical changes with respect to EN 60704-2-6:2004:

- it does not contain the description of an appropriate test enclosure which has been incorporated in Part 1;
- it clarifies that the only appliances designed for front loading and specified by the manufacturer for building-in, under a counter or placing under a worktop between cabinets (under-counter types) shall be placed in a test enclosure.

This standard is to be used in conjunction with EN 60704-1:2010.

NOTE When "Part 1" is mentioned in this standard, it refers to EN 60704-1.

This Part 2-6 supplements or modifies the corresponding clauses in EN 60704-1, so as to establish the test code for tumble dryers. When a particular subclause of Part 1 is not mentioned in this Part 2-6, that subclause is applicable as far as reasonable. Where this standard states "addition", "modification" or "replacement", the relevant requirements, test specifications or explanatory matter in Part 1 should be adapted accordingly.

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

Unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause.

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

For the relationship with Commission Regulation (EC) see informative Annex ZZ, which is an integral part of this document.

## Endorsement notice

The text of the International Standard IEC 60704-2-6:2012 was approved by CENELEC as a European Standard without any modification.

**Annex ZA**  
(normative)

**Normative references to international publications  
with their corresponding European publications**

**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 60456 (mod) + corr. September	2010 2011	Clothes washing machines for household use - Methods for measuring the performance	EN 60456 + AC:2011	2011 2011
IEC 61121	-	Tumble dryers for household use - Methods for measuring the performance	EN 61121	-
ISO 7235	-	Acoustics - Laboratory measurement procedures for ducted silencers and air- terminal units - Insertion loss, flow noise and total pressure loss	EN ISO 7235	-

## **Annex ZZ** (informative)

### **Coverage of Requirements of Commission Delegated Regulation (EC) No 392/2012 supplementing Directive 2010/30/EU**

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers only requirements concerning airborne acoustical noise emissions out of those requirements given in Commission Regulation (EC) No 392/ 2012.

Compliance with this standard provides one means of conformity with the specified requirements of the Commission Regulation(s) concerned.

**WARNING: Other requirements and other EC Directives or Commission Regulations may be applicable to the products falling within the scope of this standard.**

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## 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 tumble dryers.

It is recommended to consider the determination of noise levels as part of a comprehensive testing procedure covering many aspects of properties and performance of household tumble dryers.

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



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

## Part 2-6: Particular requirements for tumble dryers

### 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 single unit electric tumble dryers for household and similar use intended for placing on the floor against a wall, for building-in or placing under a counter, a kitchen worktop or under a sink, for wall-mounting or on a counter. For the purpose of this standard, washer-dryer combinations, when operated as a dryer, are considered as a tumble dryer.

NOTE 101 For washing function, see IEC 60704-2-4.

This standard is also applicable for gas-fired electric tumble dryers.

##### 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 tumble dryers.

##### 1.1.3 Size of the 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 appliance under test fulfils the requirements specified in 1.3 of ISO 3743-1 and ISO 3743-2.

### 1.2 Object

*Addition:*

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

NOTE 101 For determining and verifying noise emission values declared in product specifications, see IEC 60704-3.

### 1.3 Measurement uncertainty

*Replacement:*