
Gospodinjski in podobni električni aparati - Varnost - 2-11. del: Posebne zahteve za bobenske sušilnike (IEC 60335-2-11:2002; spremenjen)

Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60335-2-11

March 2003

ICS 97.060; 13.120

Supersedes EN 60335-2-11:2001 + A1:2001 + A11:2002

English version

**Household and similar electrical appliances -
Safety
Part 2-11: Particular requirements for tumble dryers
(IEC 60335-2-11:2002, modified)**

Appareils électrodomestiques
et analogues -
Sécurité
Partie 2-11: Règles particulières
pour les sèche-linge à tambour
(CEI 60335-2-11:2002, modifiée)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke
Teil 2-11: Besondere Anforderungen
für Trommelrockner
(IEC 60335-2-11:2002, modifiziert)

This European Standard was approved by CENELEC on 2003-03-01. 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, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

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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 61/2097/FDIS, future sixth edition of IEC 60335-2-11, prepared by the IEC Technical Committee 61, was submitted to the IEC-CENELEC parallel vote.

As a result of the Kista meeting of CENELEC TC 61 in May 2002, a draft amendment prAA containing the relevant existing common modifications was submitted to the formal vote.

The texts of the FDIS and the prAA were approved by CENELEC as a new edition of EN 60335-2-11 on 2003-03-01.

This European Standard replaces EN 60335-2-11:2001 + A1:2001 + A11:2002.

The following dates are applicable:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2004-03-01
- date on which national standards conflicting with the EN have to be withdrawn (dow) 2006-03-01

This part 2 has to be used in conjunction with EN 60335-1, Household and similar electrical appliances – Safety – Part 1: General requirements. It was established on the basis of the 2002 edition of that standard. Amendments and revisions of Part 1 have also to be taken into account and the dates when such changes become applicable will be stated in the relevant amendment or revision of Part 1.

This part 2 supplements or modifies the corresponding clauses of EN 60335-1, so as to convert it into the European Standard: Safety requirements for electric tumble dryers.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

NOTE 1 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- 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;
- additional annexes are lettered AA, BB, etc.;
- subclauses, notes and annexes that are additional to those in the IEC standard are prefixed with the letter Z.

NOTE 2 The following print types are used:

- requirements: in roman type;
- *test specifications*: in italic type;
- notes: in small roman type.

Words in **bold** in the text are defined in Clause 3. When a definition concerns an adjective, the adjective and the associated noun are also in bold.

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There are no special national conditions causing a deviation from this European Standard, other than those listed in Annex ZA to EN 60335-1.

There are no national deviations from this European Standard, other than those listed in Annex ZB to EN 60335-1.

Annex AA is normative and forms an integral part of this standard.

p NOTE In this document, p is used in the margin to indicate instructions for preparing the printed version.

Introduction

p Add:

An investigation by CENELEC TC 61 has shown that all risks from products within the scope of this standard are fully covered by the Low Voltage Directive, 73/23/EEC. For products having mechanical moving parts, a risk assessment in accordance with the Machinery Directive, 98/37/EC, has shown that the risks are mainly of electrical origin and consequently this directive is not applicable. However, the relevant essential safety requirements of the Machinery Directive are covered by this standard together with the principal objectives of the Low Voltage Directive.

Endorsement notice

The text of the International Standard IEC 60335-2-11:2002 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

2 Normative references

p Replace the text by:

This clause of Part 1 is applicable except as follows.

Addition:

IEC 61770, *Electric appliances connected to the water mains - Avoidance of backsiphonage and failure of hose-sets*

20 Stability and mechanical hazards

p **20.101** Add to the first paragraph:

However, for appliances loaded from the front, the dimensions are reduced to 25 cm for the door opening and 75 dm³ for the drum volume.

p **20.102** Add to the first paragraph:

However, for appliances loaded from the front, the dimensions are reduced to 25 cm for the door opening and 75 dm³ for the drum volume.

24 Components <https://standards.iteh.ai/catalog/standards/sist/213f8466-a027-46a5-8ccb-f8e57bb58fd8/sist-en-60335-2-11-2003>
SIST EN 60335-2-11:2003

p Add:

24.Z101 Components necessary for the connection of the tumble dryer to the water mains shall comply with IEC 61770. They shall be supplied with the appliance.

Compliance is checked by inspection.

p Add:

Annex ZC
(normative)**Normative references to international publications
with their corresponding European publications**

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61770	– ¹⁾	Electric appliances connected to the water mains - Avoidance of backsiphonage and failure of hose-sets	EN 61770	1999 ²⁾

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¹⁾ undated reference

²⁾ valid edition at date of issue

NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

60335-2-11

Sixième édition
Sixth edition
2002-03

Appareils électrodomestiques et analogues –
Sécurité –

Partie 2-11:
Règles particulières pour les sèche-linge
à tambour

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Part 2-11:
Particular requirements for tumble dryers

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –
SAFETY –****Part 2-11: Particular requirements for tumble dryers**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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This part of International Standard IEC 60335 has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

This sixth edition cancels and replaces the fifth edition published in 2000 and its amendment 1 (2000). It constitutes a technical revision.

This bilingual version (2003-11) replaces the English version.

The text of this part of IEC 60335 is based on the following documents:

FDIS	Report on voting
61/2097/FDIS	61/2128/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 part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments. It was established on the basis of the fourth edition (2001) of that standard.

NOTE 1 When "Part 1" is mentioned in this standard, it refers to IEC 60335-1.

This part 2 supplements or modifies the corresponding clauses of IEC 60335-1, so as to convert that publication into the IEC standard: Safety requirements for electric tumble dryers.

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The committee has decided that the contents of this publication will remain unchanged until 2003. At this date, the publication will be

- reconfirmed; [SIST EN 60335-2-11:2003](https://standards.iteh.ai/catalog/standards/sist/213f8466-a027-46a5-8ccb-f8e57bb58fd8/sist-en-60335-2-11-2003)
- withdrawn; <https://standards.iteh.ai/catalog/standards/sist/213f8466-a027-46a5-8ccb-f8e57bb58fd8/sist-en-60335-2-11-2003>
- replaced by a revised edition, or
- amended.

The following differences exist in the countries indicated below.

- 3.1.9: The textile material has different dimensions (USA).
- 6.2: Tumble dryers are not required to be IPX4 (USA).
- 7.1: An instruction concerning cleaning the lint trap is to be marked on the dryer in letters not less than 8 mm high and is to be conspicuous when the dryer door is open (Australia, New Zealand).
- 7.12: Actual articles of clothing can be specified instead and warnings are required to be marked on the appliance regarding the use of chemicals for cleaning (USA).
- 11.2: The test condition is different (USA).
- 11.7: This test is continued until steady conditions are established and different criteria are used to determine when steady conditions are reached (USA).
- 19.4: The test is different (USA).

- 19.9: A running overload test is carried out on automatically controlled tumble dryers (USA).
- 20.101: The requirement is applicable to door openings with a dimension exceeding 20 cm (Norway).
- 20.102: When considering accessibility to rotating drums, the maximum drum volume is 60 dm³ and the maximum door opening is 20 cm (USA).
- 20.103: This test is not carried out (USA).
- 22.104: The test is different (USA).
- 27.1: Earthing terminals and contacts are allowed to be electrically connected to the neutral conductor of a tumble dryer (USA)

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