



NSAI
Standards

Irish Standard
I.S. EN 50570:2013&A1:2018

Household and similar electrical appliances - Safety - Particular requirements for commercial electric tumble dryers

I.S. EN 50570:2013&A1:2018

Incorporating amendments/corrigenda/National Annexes issued since publication:

EN 50570:2013/A1:2018

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

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National Foreword

I.S. EN 50570:2013&A1:2018 is the adopted Irish version of the European Document EN 50570:2013, Household and similar electrical appliances - Safety - Particular requirements for commercial electric tumble dryers

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

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50570:2013/A1

January 2018

ICS 97.060

English Version

Household and similar electrical appliances - Safety - Particular requirements for commercial electric tumble dryers

Appareils électrodomestiques et analogues - Sécurité -
Règles particulières pour les sèche-linge à tambour à
usage collectif

Sicherheit elektrischer Geräte für den Hausgebrauch und
ähnliche Zwecke - Besondere Anforderungen für elektrische
Trommeltrockner für den gewerblichen Gebrauch

This amendment A1 modifies the European Standard EN 50570:2013; it was approved by CENELEC on 2017-06-26. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 50570:2013/A1:2018

European foreword

This document (EN 50570:2013/A1:2018) has been prepared by CLC/TC 61 "Safety of household and similar electrical appliances".

The following dates are fixed:

- latest date by which this document has to be (dop) 2018-07-12
implemented at national level by publication
of an identical national standard or by
endorsement
- latest date by which the national standards (dow) 2021-01-12
conflicting with this document have to
be withdrawn

This amendment supplements or modifies the corresponding clauses of EN 60335-1:2012 including its amendments and EN 50570:2013.

EN 50570:2013/A1:2018 is to be read in conjunction with EN 60335-1:2012 and A11:2014, A12:2017, A13:2017, A1:201X, A14:201X, which is referred to in this text as "Part 1".

NOTE 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.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is included in EN 50570:2013.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50570

November 2013

ICS 97.060

English version

**Household and similar electrical appliances -
Safety -
Particular requirements for commercial electric tumble dryers**

Appareils électrodomestiques et
analogues -
Sécurité -
Règles particulières pour les sèche-linge à
tambour à usage collectif

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke -
Besondere Anforderungen für elektrische
Trommeltrockner für den gewerblichen
Gebrauch

This European Standard was approved by CENELEC on 2013-06-10. 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.

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CENELEC

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

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Foreword

This document (EN 50570:2013) has been prepared by CLC/TC 61, "Safety of household and similar electrical appliances".

The following dates are fixed:

- latest date by which this document has to be implemented (dop) 2014-06-10
at national level by publication of an identical national
standard or by endorsement
- latest date by which the national standards conflicting with (dow) 2016-06-10
this document have to be withdrawn

EN 50570:2013 is to be read in conjunction with EN 60335-1:2012 and its amendments, which is referred to in this text as "Part 1". This standard supplements or modifies the corresponding clauses of Part 1 as indicated in the text.

NOTE 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.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

Introduction

This European Standard has been prepared to provide a means of conforming to essential safety requirements of the Machinery Directive 2006/42/EC. Other requirements and other EU Directives may be applicable to the machines within the scope of this standard.

This standard is a product family standard dealing with the safety of commercial electric **tumble dryers** and takes precedence over horizontal and generic standards covering the same subject.

This standard recognises the level of protection against hazards such as electrical, mechanical, thermal, fire and radiation of commercial electric **tumble dryers** when operated as in normal use taking into account the manufacturer's instructions. It also covers any reasonably foreseeable misuse of the machinery and takes into account the way in which electromagnetic phenomena can affect the safe operation of commercial electric **tumble dryers**.

A commercial electric **tumble dryer** that complies with the text of this standard will not necessarily be considered to comply with the safety principles of the standard if, when examined and tested, it is found to have other features that impair the level of safety covered by these requirements.

This standard takes into account the requirements of HD 60364-1 as far as possible so that there is compatibility with the wiring rules when the machinery is connected to the supply mains. However, national wiring rules may differ.

1 Scope

Replace this clause of Part 1 by the following:

This European Standard deals with the safety of electrical operated **tumble dryers** intended to be used by trained users in i.e. hotels, hospitals, factories, in light industry and on farms. It also covers **tumble dryers** which are declared for commercial use **in public areas** and operated by lay persons e.g. in laundrettes, communal laundry rooms. The rated voltage shall not be more than 250 V for single phase and 480 V for others.

This standard also deals with the safety of **tumble dryers** that use a refrigerating system, incorporating sealed motor-compressors, for drying textile material. These machines may use **flammable refrigerants**. Additional requirements for these machines are given in Annex BB.

This standard also covers **tumble dryers** making use of other energy sources. It does not cover requirements for these other energy sources. However the influence of these other energy sources on the machines is covered.

This standard deals with the common hazards presented by **tumble dryers** that are encountered by all persons. However, in general, it does not take into account:

a) persons (including children) whose:

- 1) physical, sensory or mental capabilities, or
- 2) lack of experience and knowledge

prevents them from using the **tumble dryers** safely without supervision or instruction;

b) children playing with the **tumble dryer**.

Attention is drawn to the fact that:

- for commercial electric **tumble dryers** intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary;
- in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour, the national water supply authorities, the national authorities responsible for transportation and the national authorities for buildings.

This European Standard does not apply to:

- c) industrial laundry machinery (EN ISO 10472-4),
- d) **tumble dryers** intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas).

For the purpose of this standard, the term “appliance” as used in Part 1 is to be read as “**tumble dryers** intended for commercial use”.

2 Normative references

This clause of Part 1 is applicable except as follows.

Addition:

EN 60204-1:2006/A1:2009, *Safety of machinery — Electrical equipment of machines — Part 1: General requirements (IEC 60204-1:2005/A1:2008)*

EN 60335-1:2012, *Household and similar electrical appliances — Safety — Part 1: General requirements (IEC 60335-1:2010, modified)*

EN 60704-1:2010, *Household and similar electrical appliances — Test code for the determination of airborne acoustical noise — Part 1: General requirements (IEC 60704-1:2010)*

EN 60730-2-12:2006, *Automatic electrical controls for household and similar use — Part 2-12: Particular requirements for electrically operated door locks (IEC 60730-2-12:2005, modified)*

EN ISO 3744, *Acoustics — Determination of sound power levels and sound energy levels of noise sources*

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