



DPC: 21/30444255 DC

BSI Group Headquarters

389 Chiswick High Road London W4 4AL

Tel: +44 (0)20 8996 9000

Fax: +44 (0)20 8996 7400

www.bsigroup.com

Date: 17 December 2021

Origin: European

Latest date for receipt of comments: 09 February 2022

Project No. 2021/02499

Responsible committee: CPL/61/1 Motorised appliance group

Interested committees:

Title: Draft BS EN IEC 60335-2-80 Amendment 11 - Household and similar electrical appliances - Safety. Part 2-80: Particular requirements for fans.

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

- i) has any issues related to 3rd party IPR, patent or copyright
- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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This draft is issued to allow comments from interested parties; all comments will be given consideration prior to publication. No acknowledgement will normally be sent. **See overleaf for information on the submission of comments.**

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

English Version

Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans

Appareils électrodomestiques et analogues - Sécurité -
Partie 2-80: Règles particulières pour les ventilateurs

Sicherheit elektrischer Geräte für den Hausgebrauch und
ähnliche Zwecke - Teil 2-80: Besondere Anforderungen für
Ventilatoren

This draft amendment prA11, if approved, will modify the European Standard FprEN 60335-2-80:2015; it is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2022-03-11.

It has been drawn up by CLC/TC 61.

If this draft becomes an amendment, 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.

This draft amendment was established by CENELEC 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, Turkey and the United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

1 European foreword

2 This document FprEN IEC 60335-2-80:2021/FprA11:2021 has been prepared by CLC/TC 61 "Safety
3 of household and similar electrical appliances".

4 This document is currently submitted to the CENELEC Enquiry.

5 The following dates are proposed:

- latest date by which the existence of this document (doa) dor + 6 months
has to be announced at national level
- latest date by which this document has to be (dop) dor + 12 months
implemented at national level by publication of an
identical national standard or by endorsement
- latest date by which the national standards conflicting (dow) dor + 36 months
with this document have to be withdrawn (to be confirmed or
modified when voting)

6 This document is read in conjunction with FprEN IEC 60335-2-80:2021.

7 The numbering system for European clauses, subclauses, notes, tables, figures and annexes that
8 are additional to those in the IEC standard are prefixed with the letter "Z".

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

12 For the relationship with EU Directives see informative Annexes ZZA and ZZB, which are an integral
13 part of this document.

TEXT of A11 of EN IEC 60335-2-80

1 Modification to the Introduction

Addition:

With European Amendment A11, EN 60335-2-80:2003+A1:2004+A2:2009 is superseded.

This European Amendment A11, supplements or modifies the corresponding clauses of the standards below:

- EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019+A15:2021 (Part 1)
- EN IEC 60335-2-80:2021 (Part 2)

2 Modification to clause "1 Scope"

Replace the entire scope:

This document deals with the safety of electric fans for household environment and commercial purposes, their **rated voltage** being not more than 250 V for single-phase appliances and 480 V for other appliances.

NOTE Z101 Battery-operated appliance and other d.c. supplied appliances are within the scope of this standard. Dual supply appliances, either mains-supplied or battery-operated, are regarded as battery-operated appliances when operated in the battery mode.

NOTE Z102 Examples of fans that are within the scope of this document are

- ceiling fans;
- **duct fans**
- **partition fans**;
- pedestal fans;
- table fans.

This standard also applies to separate controls supplied with fans.

NOTE Z103 Examples of appliances for household environment are appliances for typical housekeeping functions used in the household environment that may also be used by non-expert users for typical household functions:

- in shops, offices and other similar working environments;
- in farm houses;
- by clients in hotels, motels and other residential type environments;
- in bed and breakfast type environments;

NOTE Z104 Household environment includes dwelling and its associated buildings, the garden, etc.

Appliances and machines intended to be used by experts or trained users in shops, in light industry, on construction sites and on farms, and appliances and machines which are declared to be for commercial use by lay persons are within the scope of this standard.

Additional requirements for such appliances are given in Annex ZE.

NOTE Z105 The statement from the manufacturer in the product information concerning the specific product is considered to determine the intended use of the appliance. The statement accurately reflects the reasonably foreseeable use of the product.

NOTE Z106 Examples of such appliances and machines are fans for drying purposes or the blower test on construction sites.

NOTE Z107 Criteria applied for the allocation of products covered by standards in the EN 60335 series under either the Low Voltage Directive (LVD) or the machinery Directive (MD) are given for information in Annex ZF of part 1.

NOTE Z108 Appliances built into building ventilation systems off dwellings and its associated buildings are also in the scope of this document.

This standard deals with the reasonably foreseeable hazards presented by appliances and machines that are encountered by all persons.

However, in general, it does not take into account

- children playing with the appliances;
- the use of the appliances by **very young children**;
- the use of the appliances by **young children** without supervision

It is recognized that **very vulnerable people** may have needs beyond the level addressed in this standard.

NOTE Z109 Attention is drawn to the fact that

- for appliances 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 and similar authorities.

NOTE Z110 This standard does not apply to

- appliances intended exclusively for industrial purposes;
- appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas);
- fans incorporated in other appliances.

3 Modification to clause "2 Normative references"

Replace the sentences of Part 2 by the following: "This clause of Part 1 is applicable. "

4 Modification to clause "3 Terms and Definitions"

3.1.9 normal operation

In the fourth paragraph, put the term "Partition fans" in bold

3.101 duct fan

Add the following Note below the definition:

NOTE Movement of fan is not visible because of installation in a duct system thus causing a hazard during maintenance work in case of uncontrolled restart / operation

3.103

safety suspension system device

Replace the definition by:

"device which retains the motor assembly if the suspension system fails"

Add following new definition:

3.Z101

partition fan

fan for installation as an airway in a partition between two separate air volume areas with free unducted inlet and outlet or short ducted (duct length below 4 times the diameter of the fan) inlet and or outlet

NOTE Z101 Movement of fan is visible after removal of peripheral parts like filters or inlet or outlet covers

5 Modification to clause "7 Marking and instructions"

This clause of Part 1 is applicable except as follows.

7.1 Addition:

Replace the first paragraph starting with "Fans for tropical climates..." by the following:

Fans for tropical climates shall be marked with the letter T, which shall be explained in the instructions.

6 Modification to clause "8 Protection against access to live parts"

8.2 Delete the addition

7 Modification to clause "19 Abnormal operation"

19.9 Delete the words "not applicable"

8 Modification to clause "20 Stability and mechanical hazards"

20.1 Replace "Portable pedestal fans" by "Portable pedestal fans"

9 Modification to clause "21 Mechanical strength"

21.101 Replace the clause by the following:

Fan guards are subjected to a push force and a pull force of 20 N applied along the direction of air flow. After each test, it shall not be possible to touch dangerous moving parts with a test probe that is similar to test probe B of IEC 61032, but having a circular stop face with a diameter of 50 mm instead of the non-circular face. The test probe is applied with a force not exceeding 5 N.

10 Modification to clause "22 Construction"

22.102.3 Replace the text of the clause by the following:

Void

22.102.5 Replace the text of the clause by the following:

Void

11 Modification to Figure

In Figure 101, Replace Key No. 3 description by the following:

185 3 electrical safety device fixed on the motor unit to disconnect the power supply before failure of
186 the connecting bolt

187 *In Figure 103, Replace Key No. 3 description by the following:*

188

189 3 mechanical safety suspension system device suspend the ceiling fan motor unit

190

191 *Delete the Figures 104 and 106*

192

193 **12 Modification to Annexes**

194

195 *The annexes of Part 1 are applicable except as follows:*

196