

Specification for

Safety of household and similar electrical appliances —

Part 202: Particular requirements —

Section 202.2 Vacuum cleaners and
water suction cleaning appliances

This European Standard EN 60335-2-2 has the status of a
British Standard

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Cooperating organizations

The European Committee for Electrotechnical Standardization (CENELEC), under whose supervision this European Standard was prepared, comprises the National Committees of the following countries:

Austria	Italy
Belgium	Luxemburg
Denmark	Netherlands
Finland	Norway
France	Portugal
Germany	Spain
Greece	Sweden
Iceland	Switzerland
Ireland	United Kingdom

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National foreword

This Section of BS 3456-202 has been prepared under the direction of the Light Electrical Engineering Standards Policy Committee and is the English language version of EN 60335-2-2, “*Safety of household and similar electrical appliances*” : Part 2: “*Particular requirements for vacuum cleaners and water suction cleaning appliances*” including amendments A2, A52 and A53, published by the European Committee for Electrotechnical Standardization (CENELEC). It was derived from the third edition (1983) of IEC Publication 335-2-2 as amended by Amendment 1:1987 and Amendment 2:1989. For the sake of clarity, the CENELEC common modifications have been incorporated at the appropriate places in the text of IEC 335-2-2:1983 and are marked by a vertical line at the left-hand margin. The relevant parts of the original IEC text have been quoted as “INFORMATION” directly after the text of the common modifications.

Appendices designated “normative” are part of the body of the standard.

Appendices designated “informative” are given only for information.

This British Standard is to be read in conjunction with BS 3456-201:1990 *General requirements*, which includes the amendments shown in the following table, which supplement and modify BS 3456-201.

All the amendments listed below apply to this British Standard.

Amendment to BS 3456-201:1990	Amendment to EN 60335-1:1988	Amendment to IEC 335-1:1976
Amendment No. 1:1990	Amendment 2:1988 ^a	Amendment No. 4:1984
Amendment No. 2:1990	Amendment 5:1989 ^a	Amendment No. 5:1986
Amendment No. 3:1990	Amendment 6:1989 ^a	Amendment No. 6:1988
Amendment No. 4:1992	Amendment A51:1991	—
Amendment No. 5:1992	Amendment A52:1992	—
Amendment No. 6:1992	Amendment A53:1992	—
Amendment No. 7:1993	Amendment A54:1992	—
Amendment No. 8:1993	Amendment A55:1993	—
Amendment No. 9:1993	Corrigendum to Amendment A55:1993	—
Amendment No. 10:1994	Corrigendum to EN 60335-1:1988	—
^a These Amendments to EN 60335-1 implement, with additions and modifications, the corresponding Amendments to IEC 335-1.		

The foreword of EN 60335-2-2: Amendment A53:1994, as amended by the corrigendum, January 1995, makes reference to the “date of withdrawal”, dow, of the relevant national standard. In this case the relevant national standard is those parts of BS 3456-202.2:1990 together with

Amendment Nos. 1, 2, and 3 that are modified by this amendment No 4. for which the date of withdrawal is set at 1 January 1997. Certificates and Marks will not be awarded after this date with regard to the former version of the Standard and such Certificates and Marks will cease to apply to production at that date. However, such Certificates and Marks, already awarded, may continue to apply until 1 January 2002.

This Section supersedes BS 3456-102.2:1987, which will be withdrawn on 31 December 1990 in accordance with the CENELEC Internal Regulations.

Cross-references. The relationship between other international publications quoted in this Standard and British Standards which are either identical or technically equivalent, is given in National appendix X.

Product approval. Attention is drawn to the fact that products conforming to this British Standard may be approved by the British Electrotechnical Approvals Board for the purposes of participation in the CENELEC Certification Agreement and in the CB Scheme of the IECEE. (Details of the BEAB Approval Marks Scheme are given on the inside of the back cover.)

Special national conditions. Details of the special national conditions that apply for CENELEC countries in relation to EN 60335-2-2 are given in Annex ZX. A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 20, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Key words: Household electrical appliance; vacuum cleaner and water suction cleaning appliance; protection against electric shock; protection against fire risk; protection against mechanical hazard

English version

Safety of household and similar electrical appliances Part 2: Particular requirements for vacuum cleaners and water suction cleaning appliances

(includes amendments A2:1990 + A52:1991 + A53:1994)
(IEC 335-2-2 (1983) 3rd edition, modified)

Sécurité des appareils électrodomestiques
et analogues
Deuxième partie: Règles particulières pour les
aspirateurs et les appareils de nettoyage à
aspiration d'eau
(inclut les amendements
A2:1990 + A52:1991 + A53:1994)
(CEI 335-2-2 (1983) 3ème édition, modifiée)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke
Teil 2: Besondere Anforderungen für
Staubsauger und Wassersauger
(enthält Änderungen
A2:1990 + A52:1991 + A53:1994)
(IEC 335-2-2 (1983) 3. Ausgabe, modifiziert)

This European Standard was ratified by CENELEC on 28 June 1988.

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 CENELEC Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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

Brief history

The proposal to endorse the third edition of IEC Publication 335-2-2, document CENELEC/TC 61 (SEC) 376, was circulated under the enquiry procedure in March 1984.

This proposal was discussed during the Sorrento meeting in February 1986 when it was decided to submit a draft for EN 60335-2-2 to the voting procedure. This procedure started in June 1987.

The text of this draft was approved during the Brighton meeting in October 1987 and ratified by the CENELEC Technical Board on the 2nd of March 1988.

A draft for an amendment to EN 60335-2-2, document CLC/TC 61 (SEC) 533, was circulated under the enquiry procedure in March 1987.

This draft was discussed during the Brighton meeting in October 1987 and submitted to the voting procedure in February 1988.

The text of this draft was ratified by the CENELEC Technical Board on the 28th of June 1988. It has been incorporated in EN 60335-2-2.

Foreword

This European Standard has been prepared by the Secretariat of CENELEC Technical Committee 61.

The following dates are applicable:

- date of announcement (doa) 1988-08-01
- date of latest publication (dop) 1989-01-01
- date of withdrawal of conflicting national standards (dow) 1991-01-01

This European Standard replaces HD 252 S1 and HD 252 S3.

This document supplements or modifies the corresponding clauses of IEC 335-2-2, third edition, so as to convert that standard into the European Standard EN 60335-2-2, which has to be used in conjunction with EN 60335-1 (1988), *Safety of household and similar electrical appliances*, Part 1: *General requirements*.

Special national conditions (snc) causing a deviation from this European Standard are listed in Annex ZX and are in addition to those in EN 60335-1.

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

The following print types referred to in the preface of IEC 335-2-2 are used:

- requirements proper: in roman type
- *test specifications*: in italic type
- explanatory matter: in smaller roman type

In addition:

- *instructions for modification of the reference document*: in italic type

Brief history

The proposal to endorse amendment 2 to IEC Publication 335-2-2, documents CLC/TC 61 (SEC) 633 and 638, was circulated under the enquiry procedure in March 1988.

This proposal was discussed during the Brussels meeting in November 1988 when it was decided to submit a draft for an amendment to EN 60335-2-2 to the voting procedure. This procedure started in October 1989.

The text of this draft was ratified by the CENELEC Technical Board on the 5th of March 1990.

There is no amendment A1 to EN 60335-2-2.

Foreword to Amendment A2

This amendment has been prepared by the secretariat of CENELEC Technical Committee 61.

The following dates are applicable:

- date of announcement (doa) 1990-06-01
- date of latest publication (dop) 1990-12-01
- date of withdrawal of conflicting national standards (dow) 1992-12-01

For products which have complied with EN 60335-2-2:1988 before 1992-12-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1997-12-01.

This document supplements or modifies the corresponding clauses of amendments 1:1987 and 2:1989 to IEC 335-2-2:1983, so as to convert these amendments into amendment A2 to EN 60335-2-2.

As a consequence of endorsing these amendments to IEC 335-2-2, the common modifications in EN 60335-2-2 concerning subclauses **11.7**, **11.9**, **19.101** and **24.9** are withdrawn. This procedure results in replacing these common modifications by similar IEC text.

EN 60335-2-2, including this amendment, has to be used in conjunction with EN 60335-1:1988, including its amendments A2:1988, A5:1989 and A6:1989.

There are no special national conditions (snc) causing a deviation from this amendment.

There are no national deviations from this amendment.

Other publication quoted in this amendment: ISO/DIS 6344, *Coated abrasives — Grain size analysis (Draft International Standard)*.

Foreword to Amendment A52

A proposal to amend EN 60335-2-2, document CLC/TC 61 (GB) 276, was discussed during the Brussels meeting in May 1989, when it was decided to submit a draft for an amendment to the unique acceptance procedure (UAP). This procedure started in November 1989.

The text of this draft was ratified by CENELEC as amendment A52 on the 11th September 1990.

There is no amendment A51 to EN 60335-2-2.

This amendment has been prepared by the secretariat of CENELEC technical committee TC 61.

The following dates are applicable:

- latest date of publication of an identical national standard (dop) 1991-09-01
- date of withdrawal of conflicting national standards (dow) 1993-06-01

For products which have complied with EN 60335-2-2:1988, including its amendment A2:1990, before 1993-06-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1998-06-01.

This document modifies the corresponding clauses of EN 60335-2-2:1988, including its amendment A2:1990.

There are no special national conditions (snc) causing a deviation from this amendment.

There are no national deviations from this amendment.

NOTE The UDC and descriptors of this amendment replace those of EN 60335-2-2:1988.

Amendment numbers commencing A1 refer to the endorsement of IEC amendments, while those commencing A51 originate in CENELEC.

Foreword to Amendment A53

A proposal to amend EN 60335-2-2, document SMO/HA (Sec) 19/92, was discussed during the Berlin meeting in February 1993, when it was decided to submit a draft for an amendment to the unique acceptance procedure (UAP). This draft was circulated as prAC in June 1993 and was ratified by CENELEC as amendment A53 on 8 March 1994.

This amendment has been prepared by the Secretariat of CENELEC Technical Committee TC 61.

The following dates are applicable:

- latest date of publication of an identical national standard (dop) 1995-01-01
- date of withdrawal of conflicting national standards (dow) 1997-01-01

For products which have complied with EN 60335-2-2:1988, including its amendments A2:1990 and A52:1991, before 1997-01-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2002-01-01.

This document supplements or modifies the corresponding clauses of EN 60335-2-2:1988 and its amendments.

EN 60335-2-2:1988 including this amendment has to be used in conjunction with EN 60335-1:1988, including its amendments A2:1988, A5:1989, A6:1989, A51:1991, A52:1992, A53:1992, A54:1992 and A55:1993.

There are no special national conditions (snc) causing a deviation from this amendment.

There are no national deviations from this amendment.

NOTE Amendment numbers commencing A1 refer to the endorsement of IEC amendments, while those commencing A51 originate in CENELEC.