BS EN IEC 60335-2-60:2023+A11:2023



BSI Standards Publication

Household and similar electrical appliances — Safety

Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

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National foreword

This British Standard is the UK implementation of EN IEC 60335-2-60:2023+A11:2023. It is derived from IEC 60335-2-60:2017. It supersedes BS EN 60335-2-60:2003+A12:2010, which will be withdrawn on 29 May 2026.

The start and finish of text introduced or altered by amendment A11 is indicated in the text by tags. Tags indicating changes to text carry the number of the CENELEC amendment. For example, text altered by CENELEC amendment A11 is indicated by [A11] 〈A11〉.

The UK participation in its preparation was entrusted to Technical Committee CPL/61/7, Safety of electrical appliances - Heated appliance group.

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

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Amendments/corrigenda issued since publication

Date	Text affected

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 60335-2-60:2023+A11

December 2023

ICS 13.120; 97.040.50

Supersedes EN 60335-2-60:2003; EN 60335-2-60:2003/A1:2005; EN 60335-2-60:2003/A2:2008; EN 60335-2-60:2003/A11:2010; EN 60335-2-60:2003/A12:2010

English Version

Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas (IEC 60335-2-60:2017)

Appareils électrodomestiques et analogues - Sécurité - Partie 2-60: Règles particulières pour les baignoires et les spas à système de brassage d'eau (IEC 60335-2-60:2017)

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke - Teil 2-60: Besondere Anforderungen für Sprudelbadgeräte und Sprudelbäder (IEC 60335-2-60:2017)

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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

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European foreword

This document (EN IEC 60335-2-60:2023) consists of the text of document IEC 60335-2-60:2017, prepared by IEC/TC 61 "Safety of household and similar electrical appliances".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-05-29
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2026-05-29

This document supersedes EN 60335-2-60:2003 and all of its amendments and corrigenda (if any).

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

This document is read in conjunction with EN IEC 60335-2-60:2023/A11:2023.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 60335-2-60:2017 was approved by CENELEC as a European Standard without any modification.

European foreword to amendment A11

This document (EN IEC 60335-2-60:2023/A11:2023) 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 at national level by publication of an identical national standard or by endorsement (dop) 2024-05-29
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This document is read in conjunction with EN IEC 60335-2-60:2023.

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

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

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CONTENTS

FOREWORD 3
INTRODUCTION 6
1 Scope 7
2 Normative references 7
3 Terms and definitions 8
4 General requirement 8
5 General conditions for the tests 8
6 Classification 9
7 Marking and instructions 9
8 Protection against access to live parts 10
9 Starting of motor-operated appliances 10
10 Power input and current 10
11 Heating 10
12 Void 10
13 Leakage current and electric strength at operating temperature 11
14 Transient overvoltages 11
15 Moisture resistance 11
16 Leakage current and electric strength 11
17 Overload protection of transformers and associated circuits 12
18 Endurance 12
19 Abnormal operation 12
20 Stability and mechanical hazards 12
21 Mechanical strength 12
22 Construction 13
23 Internal wiring 15
24 Components 15
25 Supply connection and external flexible cords 15
26 Terminals for external conductors 16
27 Provision for earthing 16
28 Screws and connections 16
29 Clearances, creepage distances and solid insulation 16
30 Resistance to heat and fire 16
31 Resistance to rusting 16
32 Radiation, toxicity and similar hazards 16
Annexes 17
Bibliography 18

AVA Documents
Document Sharing Hub

Full document details: BS EN IEC 60335-2-60:2023+A11:2023

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY –

Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

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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International Standard IEC 60335-2-60 has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

This bilingual version (2019-11) corresponds to the monolingual English version, published in 2017-12.

This fourth edition cancels and replaces the third edition published in 2002 including its Amendment 1 (2004) and its Amendment 2 (2008). This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

– requirements for transportable whirlpool spas have been added (3.103, 5.101, 6.1, 7.12.1, 22.106, 25.1, 25.5, 25.7);

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– some notes have been deleted or converted to normative text (22.101, 22.102, 22.103, 22.105);

– the text has been aligned with Ed 5.2 of Part 1.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
61/5552/FDIS	61/5588/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

The French version of this standard has not been voted upon.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 60335 series, under the general title, *Household and similar electrical appliances – Safety*, can be found on the IEC website.

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 fifth edition (2010) 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 in IEC 60335-1, so as to convert that publication into the IEC standard: Safety requirements for electric whirlpool baths and whirlpool spas.

NOTE 2 When “Part 1” is mentioned in this standard, it refers to IEC 60335-1.

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 in Part 1 is to be adapted accordingly.

NOTE 3 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.

NOTE 4 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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The committee has decided that the contents of the base publication and its amendments will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

NOTE 5 The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of publication.

The following differences exist in the countries indicated below.

– 6.1: Class I portable appliances are allowed (USA).

– 7.12.1: The statement concerning earthed appliances is not required (USA).

– 7.12.1: The statement concerning appliances supplied through a RCD is not required for cord connected whirlpool spas (Canada, USA)

– 22.35: Current limits apply instead of voltage limits (USA).

– 22.101: The test is different (USA).

– 22.103: The test is carried out ten times (USA).

– 25.1: Class I appliances may have a supply cord fitted with a plug (USA).

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