SVENSK STANDARD

SS-EN IEC 60350-2, utg 3:2025

2025-12-17

REDLINE VERSION

Elektriska hushållsapparater för matlagning – Del 2: Hällar – Funktionsprovning

Household electric cooking appliances – Part 2: Hobs – Methods for measuring performance

En så kallad ”Redline version” (RLV) innehåller både standarden som fastställts som SEK-publikation och en ändringsmarkerad IEC-standard. Alla tillägg och borttagningar sedan den tidigare utgåvan av IEC-standarden är markerade med färg. Med en RLV sparar du mycket tid när du ska identifiera och bedöma aktuella ändringar i standarden. SEK Svensk Elstandard kan bara ge ut RLV i de fall den finns tillgänglig från IEC.

IEC 60350-2

Edition 3.0 2025-05
REDLINE VERSION

INTERNATIONAL STANDARD

Household electric cooking appliances –
Part 2: Hobs – Methods for measuring performance

ICS 97.040.20

ISBN 978-2-8327-0469-1

CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance

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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8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.

9) IEC draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). IEC takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, IEC had not received notice of (a) patent(s), which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at https://patents.iec.ch. IEC shall not be held responsible for identifying any or all such patent rights.

This redline version of the official IEC Standard allows the user to identify the changes made to the previous edition IEC 60350-2:2017+AMD1:2021 CSV. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

IEC 60350-2 has been prepared by subcommittee 59K: Performance of household and similar electrical cooking appliances, of IEC technical committee TC 59: Performance of household and similar electrical appliances. It is an International Standard.

This third edition cancels and replaces the second edition published in 2017 and Amendment 1:2021. This edition constitutes a technical revision.

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

a) new definitions for portable hob (3.24), hob with down-draft system (3.23) and low power modes are amended in Clause 3;
b) revision of Clause 5: Tolerance for water amount added, requirements for dimension measurement added;
c) removal of 6.4 Level of solid hotplates (3.5);
d) revision of Clause 7 in order to improve the application of the smoothing average;
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f) Ry replaced by L* in Clause 9 and reference to IEC TS 63350;
g) requirements for digital assessment in 9.1.6 removed as they are covered in IEC TS 63350;
h) revision of Clause 12 Power measurement of low power modes;
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j) Annex G Low-power mode measurements added;
k) removal of Annex D 'Shade chart' as the shade charts are specified in IEC TS 63350;
l) removal of Annex E 'Data and calculation sheet' as the calculation sheet is substituted by a supporting document located on the IEC web site;
m) update of former Annex F 'Addresses of suppliers' by removal of former Clause F.6, F.7 and F.8 and by adding a further possible supplier in new D.4.

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

Draft	Report on voting
59K/395/CDV	59K/407/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A listof all parts in the IEC 60350 series, published under the general title *Household electric cooking appliances*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

– reconfirmed,
– withdrawn, or
– revised.

1 Scope

This part of IEC 60350 defines methods for measuring the performance of electric hobs (3.2) for household use.

Appliances covered by this document can be built-in or designed to be placed on a work surface. The hob (3.2) can be part of a cooking range (3.1) and it can have an integrated cooking fume extractor, i.e. a hob with down-draft system (3.23).

This document defines the main performance characteristics of hobs (3.2) which are of interest to the user and specifies methods for measuring these characteristics.

This document does not specify a classification or ranking for performance.

NOTE 1 Some of the tests which are specified in this document are not considered to be reproducible since the results can vary between laboratories. They are therefore intended for comparative testing purposes only.

NOTE 2 This document does not deal with safety requirements (IEC 60335-2-6 [1] and IEC 60335-2-9 [2]).

NOTE 3 This document is also applicable for portable appliances with similar functionality ~~that were previously covered by the withdrawn IEC 61817~~.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60364-5-54, *Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors*

IEC 62301~~:2011~~, *Household electrical appliances - Measurement of standby power*

IEC TS 63350, *Household electric appliances - Specification of the properties of a digital system for measuring the performance*

IEC 63474, *Electrical and electronic household and office equipment - Measurement of networked standby power consumption of edge equipment*

ISO 80000-1:2009, *Quantities and units — Part 1: General*

SVENSK STANDARD

SS-EN IEC 60350-2, utg 3:2025

Fastställd	Sida	Ansvarig kommitté
2025-12-17	1 (82)	SEK TK 59

Elektriska hushållsapparater för matlagning – Del 2: Hällar – Funktionsprovning

Household electric cooking appliances – Part 2: Hobs – Methods for measuring performance

Som svensk standard gäller europastandarden EN IEC 60350-2:2025. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 60350-2:2025.

Nationellt förord

Europastandarden EN IEC 60350-2:2025

består av:

– **europastandardens ikraftsättningsdokument,** utarbetat inom CENELEC
– **IEC 60350-2, Third edition, 2025 - Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 60350-2, utg 2:2018 med eventuella tillägg, ändringar och rättelser gäller ej fr o m 2028-07-31.

ICS 97.040.20

Denna standard är fastställd av SEK Svensk Elstandard,
som också kan lämna upplysningar om **sakinnehållet** i standarden.
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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 60350-2

July 2025

ICS 97.040.20

Supersedes EN 60350-2:2018; EN 60350-2:2018/A1:2021

English Version

Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance (IEC 60350-2:2025)

Appareils de cuisson électrodomestiques - Partie 2: Tables de cuisson - Méthodes de mesure de l'aptitude à la fonction (IEC 60350-2:2025)

Elektrische Kochgeräte für den Hausgebrauch - Teil 2: Kochfelder - Verfahren zur Messung der Gebrauchseigenschaften (IEC 60350-2:2025)

This European Standard was approved by CENELEC on 2025-07-01. 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 CEN-CENELEC Management Centre 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 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, Türkiye and the United Kingdom.

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

Ref. No. EN IEC 60350-2:2025 E

SEK Svensk Elstandard

SS-EN IEC 60350-2, utg 3:2025

European foreword

The text of document 59K/395/CDV, future edition 3 of IEC 60350-2, prepared by SC 59K "Performance of household and similar electrical cooking appliances" of IEC/TC 59 "Performance of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60350-2:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2026-07-31
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-07-31

This document supersedes EN 60350-2:2018 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.

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 60350-2:2025 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60335-2-6	NOTE	Approved as EN 60335-2-6
IEC 60335-2-9	NOTE	Approved as EN IEC 60335-2-9
IEC 60350-1:2023	NOTE	Approved as EN IEC 60350-1:2023 (not modified)
IEC 61591:2023	NOTE	Approved as EN IEC 61591:2023 (not modified)
IEC 60751	NOTE	Approved as EN IEC 60751
ISO 683-7	NOTE	Approved as EN ISO 683-7

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60364-5-54	-	Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors	HD 60364-5-54	-
IEC 62301	-	Household electrical appliances - Measurement of standby power	EN 50564[1]	-
IEC/TS 63350	-	Household electric appliances - Specification of the properties of a digital system for measuring the performance	-[2]	-
IEC 63474	-	Electrical and electronic household and office equipment - Measurement of networked standby power consumption of edge equipment	EN IEC 63474	-
ISO 80000-1	2009	Quantities and units - Part 1: General	-	-

[1] Revised by prEN IEC 62301:2025.

[2] Revised by prEN IEC 63350:2025.

IEC 60350-2

Edition 3.0 2025-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Household electric cooking appliances – Part 2: Hobs – Methods for measuring performance

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ICS 97.040.20

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