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

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/25

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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)

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Europäisches Komitee für Elektrotechnische Normung

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EN IEC 60350-2:2025 (E)**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.

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- latest date by which the document has to be implemented at national (dop) 2026-07-31 level by publication of an identical national standard or by endorsement
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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

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.

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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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.



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Appareils de cuisson électrodomestiques –
Partie 2: Tables de cuisson – Méthodes de mesure de l'aptitude à la fonction**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**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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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;
- e) revision of [Table 1](#) and [Table 3](#) in order to amend missing tolerances;
- 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;
- i) removal of [Clause 13](#) Spillage capacity of hobs;
- 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 list of 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.

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, *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*

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