



BSI Standards Publication

Household electric cooking appliances

Part 1: Ranges, ovens, steam ovens and grills — Methods for measuring performance (IEC 60350-1:2016, modified)

National foreword

This British Standard is the UK implementation of EN 60350-1:2016. It is derived from IEC 60350-1:2016. It supersedes BS EN 60350-1:2013 +A11:2014, which is withdrawn.

The CENELEC common modifications have been implemented at the appropriate places in the text. The start and finish of each common modification is indicated in the text by tags C C.

The UK participation in its preparation was entrusted to Technical Committee CPL/59, Performance of household electrical appliances.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

Date	Text affected
31 January 2018	Missing excel spreadsheet added

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60350-1

November 2016

ICS 97.040.20

English Version

**Household electric cooking appliances - Part 1: Ranges, ovens,
steam ovens and grills - Methods for measuring Performance
(IEC 60350-1:2016 , modified)**

Appareils de cuisson électrodomestiques - Partie 1:
Cuisinières, fours, fours à vapeur et grills - Méthodes de
mesure de l'aptitude à la fonction
(IEC 60350-1:2016 , modifiée)

Elektrische Kochgeräte für den Hausgebrauch - Teil 1:
Herde, Backöfen, Dampfgarer und Grills - Verfahren zur
Messung der Gebrauchseigenschaften
(IEC 60350-1:2016 , modifiziert)

This European Standard was approved by CENELEC on 2016-06-03. 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 59K/263/CDV, future edition 2 of IEC 60350-1, 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 60350-1:2016.

A draft amendment, which covers common modifications to IEC 60350-1 (59K/263/CDV), was prepared by CLC/TC 59X "Performance of household and similar electrical appliances" and approved by CENELEC.

The following dates are fixed:

- latest date by which the document has to be (dop) 2017-05-04
implemented at national level by
publication of an identical
national standard or by endorsement
- latest date by which the national (dow) 2019-11-04
standards conflicting with the document
have to be withdrawn

This document supersedes EN 60350-1:2013.

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

Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 60350-1:2016 are prefixed "Z".

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Regulations.

For the relationship with EU Regulations see informative Annex ZZA, Annex ZZB and Annex ZZC which are integral parts of this document.

Endorsement notice

The text of the International Standard IEC 60350-1:2016 was approved by CENELEC as a European Standard with agreed common modifications.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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 60584-2	1982	Thermocouples - Part 2: Tolerances	EN 60584-2	1993
IEC 62301	-	Household electrical appliances - Measurement of standby power	EN 50564	-
ISO 80000-1	2009	Quantities and units - Part 1: General	EN ISO 80000-1	2013
CIE 15.2		Colorimetry	-	-

Annex ZZA (informative)

Relationship between this European Standard and the energy labelling requirements of Commission Delegated Regulation (EU) No 65/2014 aimed to be covered

This European standard has been prepared under a Commission's standardization request M/495 Standardization mandate to CEN, CENELEC and ETSI under Directive 2009/125/EC relating to harmonized standards in the field of Ecodesign to provide one voluntary means of conforming to the energy labelling requirements of Commission Delegated Regulation (EU) No 65/2014 of 1 October 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of domestic ovens and range hoods [OJ L 29/1, 31.01.2014].

Once this standard is cited in the Official Journal of the European Union under that Regulation, compliance with the normative clauses of this standard given in Table ZZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding energy labelling requirements of that Regulation and associated EFTA Regulations.

Table ZZA.1 — Correspondence between this European Standard and Commission Delegated Regulation (EU) No 65/2014 of 1 October 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of domestic ovens and range hoods [OJ L 29/1, 31.01.2014] and Commission's standardisation request M/495 Standardization mandate to CEN, CENELEC and ETSI under Directive 2009/125/EC relating to harmonized standards in the field of Ecodesign

Energy labelling requirements of Regulation No 65/2014 [OJ L 29/1, 31.01.2014]	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
General description of the appliance model; number of cavities; heat source(s) per cavity; the heating function(s) (conventional and/or the forced air convection) per cavity	1 Scope 2 Normative references 3 Terms and definitions 6.8 Mass of the appliances	
Determining the volume of the cavity of the domestic oven in litres	6.2 Usable internal dimensions and calculated volume of ovens	
Measuring the energy consumption of a cavity of a domestic oven for one standardised cycle by heating a standardised load soaked with water (conventional and if available the forced air convection)	5 General conditions for the measurement 7.1 General 7.4 Energy consumption and time for heating a load C.7 Brick for testing energy consumption of ovens Annex D Description of the test brick	
Verifying that the temperature inside the oven cavity reaches the temperature setting of the thermostat and/or the oven control display within the duration of the test cycle	7.4.3.2 Checking the oven temperature Annex I Marking the temperature setting for checking the oven temperature	
copy of the calculation and the results of the calculations	Annex E Data and calculation sheet: Energy consumption for heating a load	

WARNING 1: Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2: Other Union legislation may be applicable to the products falling within the scope of this standard.

Annex ZZB (informative)

Relationship between this European Standard and the ecodesign requirements of Commission Regulation (EU) No 66/2014 aimed to be covered

This European Standard has been prepared under a Commission's standardization request M/495 Standardization mandate to CEN, CENELEC and ETSI under Directive 2009/125/EC relating to harmonized standards in the field of Ecodesign to provide one voluntary means of conforming to the ecodesign requirements of Commission Regulation (EU) No 66/2014 of 14 January 2014 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for domestic ovens, hobs and range hoods [OJ L 29/33, 31.01.2014].

Once this standard is cited in the Official Journal of the European Union under that Regulation, compliance with the normative clauses of this standard given in Table ZZB.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding ecodesign requirements of that Regulation and associated EFTA Regulations.

Table ZZB.1 — Correspondence between this European Standard and Commission Regulation (EU) No 66/2014 of 14 January 2014 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for domestic ovens, hobs and range hoods [OJ L 29/33, 31.01.2014] and Commission's standardization request M/495 Standardization mandate to CEN, CENELEC and ETSI under Directive 2009/125/EC relating to harmonized standards in the field of Ecodesign

Ecodesign requirements of Regulation No 66/2014 [OJ L 29/33, 31.01.2014]	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
General description of the appliance model; number of cavities; heat source(s) per cavity; the heating function(s) (conventional and/or the forced air convection) per cavity.	1 Scope 2 Normative references 3 Terms and definitions 6.8 Mass of the appliances	
Determining the volume of the cavity of the domestic oven in litres.	6.2 Usable internal dimensions and calculated volume of ovens	
Measuring the energy consumption of a cavity of a domestic oven for one standardized cycle by heating a standardized load soaked with water (conventional and if available the forced air convection).	5 General conditions for the measurement 7.1 General 7.4 Energy consumption and time for heating a load C.7 Brick for testing energy consumption of ovens Annex D Description of the test brick	
Verifying that the temperature inside the oven cavity reaches the temperature setting of the thermostat and/or the oven control display within the duration of the test cycle.	7.4.3.2 Checking the oven temperature Annex I Marking the temperature setting for checking the oven temperature	

copy of the calculation and the results of the calculations.	Annex E Data and calculation sheet: Energy consumption for heating a load	
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