

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

**Household and similar electrical appliances – Safety –
Part 2-9: Particular requirements for grills, toasters and similar portable cooking
appliances**

**Appareils électrodomestiques et analogues – Sécurité –
Partie 2-9: Règles particulières pour les grils, les grille-pain et les appareils de
cuisson mobiles analogues**



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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 13.120, 97.040.20

ISBN 978-2-8322-3279-8

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FOREWORD

This amendment has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

The text of this amendment is based on the following documents:

FDIS	Report on voting
61/5107/FDIS	61/5138/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability 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- withdrawn,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 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.

2 Normative references

Replace the title of IEC 60584-1 by the following:

Thermocouples – Part 1: EMF specifications and tolerances

3 Terms and definitions

3.1.9.108 Delete Note 1 and renumber Notes 2 and 3 into Notes 1 and 2.

In the last line of the first paragraph, replace "boiling" by "simmering".

Replace the second paragraph by the following:

Induction hot plates are operated with vessels, as specified in Figure 104, containing cooking oil. Controls are adjusted to their highest setting until the oil temperature reaches $180\text{ °C} \pm 4\text{ °C}$, and are then adjusted so that this temperature is maintained. The oil temperature is measured 1 cm above the centre of the bottom of the vessel. For appliances which cannot heat the oil to $180\text{ °C} \pm 4\text{ °C}$, the control is maintained at its highest setting.

3.107 Insert the following new note and renumber the existing note as Note 1 to entry:

Note 2 to entry: A sandwich maker is considered as a **contact grill** with two heated surfaces.

5 General conditions for the tests

5.101 In the last paragraph, replace “heating elements” by “**heating units**”.

7 Marking and instructions

Add the following new subclause:

7.101 The **cooking zone** of **hot plates** shall be identified by appropriate marking unless it is obvious.

Compliance is checked by inspection.

8 Protection against access to live parts

Add the following new subclause:

8.1.3 Addition:

For **toasters** it is not necessary for the heating element switching device to provide full disconnection or meet the **clearances** for full disconnection specified in 20.1.5.3 of IEC 61058-1:2000 obtained from Table 22 of IEC 61058-1:2000.

11 Heating

11.1 Add the following new paragraph:

For all other types of appliances, compliance is checked by submitting the appliance to the tests of the nearest mentioned relevant type of appliance.

Table 102 – Temperature rises for external surfaces

In the first dashed item of footnote a), **bold** the words “hot functional surfaces”.

Replace the third dashed item by the following:

- surfaces of heated cavities.

Add the following new subclause:

11.6 Addition:

Induction hot plates are also operated with vessels, as specified in Figure 104, containing water and covered with a lid. Controls are adjusted to their highest setting until the water boils and then adjusted so that the water simmers. Water is added to maintain the level during simmering.

11.102 Insert “and rear surfaces” after “underside surfaces” in the fourth dashed item of the fourth paragraph.

Delete the fifth dashed item of the fourth paragraph.

11.103 Add the following to the first paragraph:

Induction hotplates and induction wok hotplates are operated at rated voltage instead of rated power input.

Add the following as a new second paragraph:

The test for **barbecues** is repeated with an aluminium plate placed on the food support. The aluminium plate shall be approximately 1,5 mm thick and shall be made of commercially available aluminium. Its dimensions shall be such that there is a 10 mm gap between the edges of the plate and outer edges of the food support.

In the 4th dashed item of the third paragraph, replace “**contact grills**” with “**griddles**”.

11.104 Replace the first paragraph by the following:

Breadmakers, pop-corn makers and food dehydrators are placed as specified in 11.2 and operated under normal operation. Pop-corn makers and food dehydrators are supplied at rated power input and breadmakers are supplied at rated voltage.

19 Abnormal operation

19.1 In the first paragraph of the addition delete the second dashed item.

In the first paragraph, fourth dashed item second dot item of the addition add “**other than induction hotplates**”.

In the first sentence of the penultimate paragraph of the addition replace “19.104 and 19.105” by “19.104, 19.105 and 19.107, but 19.2, 19.3 and 19.4 are not applicable”.

19.2 Delete the fourth and last paragraphs.

Add the following new subclause:

19.107 Induction hotplates are operated under the conditions of Clause 11 but with empty vessels, controls being adjusted to the highest setting.

Induction wok hotplates are operated under the conditions of Clause 11 with an empty wok pan that is supplied by the manufacturer with the induction wok hotplate at the point of sale, controls being adjusted to the highest setting.

21 Mechanical strength

21.1 In the second paragraph of the addition after “to the tubes”, add “without removing any heater guards”.
