

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

**Household and similar electrical appliances – Safety –
Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and
similar appliances**

**Appareils électrodomestiques et analogues – Sécurité –
Partie 2-6: Règles particulières pour les cuisinières, les tables de cuisson, les
fours et les appareils fixes analogues**



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INTERNATIONAL
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COMMISSION

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INTERNATIONALE

PRICE CODE
CODE PRIX

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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
61/3410/FDIS	61/3423/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 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- withdrawn,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 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 amendment be adopted for implementation nationally not earlier than 12 months from the date of its publication.

The contents of the corrigendum of February 2009 have been included in this copy.

FOREWORD

In the list of differences existing in some countries, add the following:

- 20.102: Heavier loads are used (USA).

INTRODUCTION

Replace the fifth paragraph by the following:

When a part 2 standard does not include additional requirements to cover hazards dealt with in Part 1, Part 1 applies.

NOTE 1 This means that the technical committees responsible for the part 2 standards have determined that it is not necessary to specify particular requirements for the appliance in question over and above the general requirements.

This standard is a product family standard dealing with the safety of appliances and takes precedence over horizontal and generic standards covering the same subject.

NOTE 2 Horizontal and generic standards covering a hazard are not applicable since they have been taken into consideration when developing the general and particular requirements for the IEC 60335 series of standards. For example, in the case of temperature requirements for surfaces on many appliances, generic standards, such as ISO 13732-1 for hot surfaces, are not applicable in addition to Part 1 or part 2 standards.

1 Scope

Add to Note 101 the following new fourth dashed item:

- induction wok elements;

Replace the two dashed items in the third paragraph by the following:

- persons (including children) whose
 - physical, sensory or mental capabilities; or
 - lack of experience and knowledgeprevents them from using the appliance safely without supervision or instruction;
- children playing with the appliance.

3 Definitions

3.1.9.101 In the first paragraph, add “and **induction wok elements**” after “**induction hob elements**”.

Replace the third paragraph by the following:

Induction hob elements are operated with vessels as specified in Figure 102 that contain cooking oil at room temperature. Thermal controls are adjusted to their highest setting until the oil temperature reaches $180\text{ °C} \pm 4\text{ °C}$ and then adjusted so that this temperature is maintained. The oil temperature is measured 10 mm above the centre of the bottom of the vessel.

Induction wok elements are operated with a wok having an equivalent sphere diameter that does not differ from the equivalent sphere diameter of the **induction wok element** cavity by more than $\begin{matrix} 0 \\ -1 \end{matrix} \%$.

The wok is made of low carbon steel having a maximum carbon content of 0,08 %. The wok is filled to approximately half of its height with cooking oil at room temperature. Thermal controls are adjusted to their highest setting until the oil temperature reaches $180\text{ °C} \pm 4\text{ °C}$ and then adjusted so that this temperature is maintained. The oil temperature is measured 10 mm above the centre of the bottom of the vessel.

In the existing fourth paragraph, add “, other than **induction wok elements**,” after “**hob elements**”.

3.108 Add “or one **induction wok element**” after “**induction hob element**”.

Add the following new definition:

3.118

induction wok element

induction hob element with the hob surface of an approximate spherical shape to accept a wok

7 Marking and instructions

7.1 In the addition, add “and **induction wok elements**” after “**induction hob elements**”.

7.6 In the addition, replace “5010 of IEC 60417-1” by “IEC 60417-5010 (2002-10)”.

7.12 Add the following:

The instructions for **hobs** shall state that the appliance is not intended to be operated by means of an external timer or separate remote-control system.

The instructions for **hobs** incorporating an **induction wok element** shall contain a list of vessels that can be used, unless the manufacturer provides a wok with the appliance.

The instructions for **ovens** that have shelves shall include details indicating the correct installation of the shelves.

Add the following new subclause:

7.103 For **cooking ranges** that are normally placed on the floor and that have horizontally hinged **oven** doors with a hinge height of less than 430 mm from the floor, if a stabilizing means is necessary in order to comply with the test of 20.102, then

- the stabilizing means shall be marked, in lettering at least 3 mm high, with the substance of the following warning:

WARNING: In order to prevent tipping of the appliance, this stabilizing means must be installed. Refer to the instructions for installation.

NOTE Commonly available fixing hardware, such as screws and bolts, need not be marked or delivered with the appliance.

- the appliance shall be marked, in lettering at least 3 mm high, at the point of supply entry and at least one other point to draw the attention of the user to the need to stabilize the appliance.

Compliance is checked by inspection and measurement.

10 Power input and current

10.1 In the addition, add “and **induction wok elements**” after “**induction hob elements**”.

10.2 In the addition, add “and **induction wok elements**” after “**induction hob elements**”.

11 Heating

11.4 In the addition, add “and **induction wok elements**” after “**Induction hob elements**”.

11.7.101 Add “and **induction wok elements**” after “**Induction hob elements**”.

13 Leakage current and electric strength at operating temperature

13.1 In the addition, add “and **induction wok elements**” after “**Induction hob elements**”.

16 Leakage current and electric strength

16.1 In the addition, add “and **induction wok elements**” after “**Induction hob elements**”.