

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Household and similar electrical appliances – Safety –
Part 2-68: Particular requirements for spray extraction machines, for
commercial use

Appareils électrodomestiques et analogues – Sécurité –
Partie 2-68: Exigences particulières pour les machines de nettoyage par
pulvérisation et aspiration, à usage commercial





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FOREWORD

This amendment has been prepared by subcommittee 61J: Electrical motor-operated cleaning appliances for commercial use, of 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 |
|--------------|------------------|
| 61J/629/FDIS | 61J/639/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 website 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- withdrawn,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.

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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.

<https://standards.iteh.ai/catalog/standards/sist/579ba19d-dbe5-48ea-ba80-6c53280fc688/iec-60335-2-68-2012-amd1-2016>

It is the recommendation of the committee that the content of Amendment 1 be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of publication.

1 Scope

In the 5th paragraph, 4th dashed item add "IEC 62841" at the end of the sentence.

7.1.101

At the end of the second paragraph, replace the existing date of the reference IEC 60417-5935 with the following new date:

(2012-09)

7.6

In the symbol IEC 60417-5935 definition source, replace the existing date with the following new date:

(2012-09)

7.12

In the second paragraph, replace the existing sentence starting with "This wording may..." with the following new sentence:

This wording may be replaced by symbols ISO 7000-0434A (2004-01) and ISO 7000-0790 (2004-01).

7.12.101

Delete the second dashed listed item.

7.14

Replace the existing date of the reference IEC 60417-5935 with the following new date:

(2012-09)

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15.2

Before the sentence "Compliance is checked by the following tests", add the following:

Tanks for the following liquids are excluded from the tests:

- hydraulic oil,
- coolant,
- fuel (diesel, gasoline, LPG).

Replace the existing 5th paragraph starting with "The liquid container..." with the following new paragraphs:

The liquid container of the machine is completely filled with a saline solution of water containing approximately 1 % NaCl and 0,6 % rinsing agent and a further quantity, equal to 15 % of the capacity of the container or 0,25 l, whichever is the greater, is poured in steadily over a period of 1 min.

Any commercially available rinsing agent may be used, but if there is any doubt with regards to the test results, the rinsing agent shall have the following properties:

- viscosity = 17 mPa·s,
- pH = 2,2 (1 % in water).

and its composition shall be

| Substance | Parts by mass % |
|---|----------------------------|
| <i>Plurafac</i> ® LF 221 ¹ | 15,0 |
| <i>Cumene sulfonate (40 % solution)</i> | 11,5 |
| <i>Citric acid (anhydrous)</i> | 3,0 |
| <i>Deionized water</i> | 70,5 |

¹ Plurafac® LF 221 is the trade name of a product supplied by BASF. This information is given for the convenience of users of this document and does not constitute an endorsement by IEC of this product.

20.101

Remove the whole subclause

21.101

In the first sentence, replace the existing word "which" with the following new word "that".

25.7

Delete the third dashed item and its Note 103.

Annexes**iTeh STANDARD PREVIEW
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Before Annex AA insert the following new annexes:

[IEC 60335-2-68:2012/AMD1:2016
https://standards.iteh.ai/catalog/standards/sist/579ba19d-dbe5-48ea-ba80-6c53280fc688/iec-60335-2-68-2012-amd1-2016](https://standards.iteh.ai/catalog/standards/sist/579ba19d-dbe5-48ea-ba80-6c53280fc688/iec-60335-2-68-2012-amd1-2016)

Annex B (normative)

Appliances powered by rechargeable batteries that are recharged in the appliance

Annex B of Part 1 is applicable except as follows.

7 Marking and instructions

7.1 *Delete the last paragraph.*

7.12 *Replace the last two paragraphs by:*

For machines intending to be supplied from a **detachable supply unit** or a battery charger for the purposes of recharging the battery, the type reference of the **detachable supply unit** or battery charger shall be stated.

7.15 *Delete the last paragraph.*

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<https://standards.iteh.ai/catalog/standards/sist/579ba19d-dbe5-48ea-ba80-6c53280fc688/iec-60335-2-68-2012-amd1-2016>

Annex S
(normative)

**Battery-operated appliances powered by batteries that are
non-rechargeable or not recharged in the appliance**

Annex S of Part 1 is applicable except as follows.

7 Marking and instructions

7.1 *Add to the last sentence at the beginning:* “If relevant and”.

19 Abnormal operation

19.S.102 This clause is not applicable for machines with hardwired battery sets.

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Bibliography

Add the following reference:

IEC 62841 (all parts), *Electric motor-operated hand-held, transportable tools and lawn and garden machinery – Safety*

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[IEC 60335-2-68:2012/AMD1:2016](https://standards.iteh.ai/catalog/standards/sist/579ba19d-dbe5-48ea-ba80-6c53280fc688/iec-60335-2-68-2012-amd1-2016)
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