

INTERNATIONAL STANDARD

Household and similar electrical appliances – Safety –
Part 2-24: Particular requirements for refrigerating appliances, ice-cream
appliances and ice-makers

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY –

Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers

FOREWORD

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This commented version (CMV) of the official standard IEC 60335-2-24:2025 edition 9.0 allows the user to identify the changes made to the previous IEC 60335-2-24:2020 edition 8.0. Furthermore, comments from IEC SC 61C experts are provided to explain the reasons of the most relevant changes, or to clarify any part of the content.

A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text. Experts' comments are identified by a blue-background number. Mouse over a number to display a pop-up note with the comment.

This publication contains the CMV and the official standard. The full list of comments is available at the end of the CMV.

IEC 60335-2-24 has been prepared by subcommittee 61C: Safety of refrigeration appliances for household and commercial use, of IEC technical committee 61: Safety of household and similar electrical appliances. It is an International Standard.

This ninth edition cancels and replaces the eighth edition published in 2020. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) aligns the text with IEC 60335-1:2020;
- b) new probe 19 has been introduced (8.1.1, 8.1.3, 20.2);
- c) new exception for components inside the thermal insulation has been introduced (22.117);
- d) new requirement for mobile refrigerating appliances, appliances to be used in leisure accommodation vehicles like motor caravans, boats for leisure purposes and appliances to be used on board ships has been introduced (Clause 1, 3.5.107, 3.5.108, 7.1, 7.6, 7.12, 7.14, 19.103, 21.101, 24.3, Annex FF);
- e) text in 3.1.9.101, 3.1.9.102, 3.1.9.103 and 3.1.9.104 has been cancelled and the text copied in 5.104;
- f) new requirement for the evaluation of non-dangerous moving parts has been introduced (20.2);
- g) new abnormal test has been introduced (19.106);
- h) reference to flammable refrigerant has been deleted (22.7);
- i) new subclauses have been added (22.40, 22.49, 22.51);
- j) requirement for the evaluation of motor-compressor has been updated (24.1);
- k) Annex DD has been cancelled and the text copied to Annex A;
- l) design pressure has been changed in maximum allowable pressure (3.8.101).

The text of this International Standard is based on the following documents:

<https://standards.iteh.ai/catalog/standards/iec/bdc045f6-80f7-45cd-86c2-8135f2569621/iec-60335-2-24-2025>

Draft	Report on voting
61C/929/FDIS	61C/931/RVD

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 of the IEC 60335 series, under the general title *Household and similar electrical appliances – Safety*, can be found on the IEC website.

This part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments unless that edition precludes it; in that case, the latest edition that does not preclude it is used. It was established on the basis of the sixth edition (2020) of that standard.

NOTE 1 When "Part 1" is mentioned in this standard, it refers to IEC 60335-1.