

# INTERNATIONAL STANDARD

**ISO**  
**5155**

Second edition  
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## **Household refrigerating appliances — Frozen food storage cabinets and food freezers — Characteristics and test methods**

*Appareils de réfrigération à usage ménager — Conservateurs de denrées  
congelées et congélateurs — Caractéristiques et méthodes d'essai*



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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 5155 was prepared by Technical Committee ISO/TC 86, *Refrigeration*, Subcommittee SC 5, *Construction and testing of household refrigerators*.

This second edition cancels and replaces the first edition (ISO 5155:1983), which has been technically revised.

Annexes A and B of this International Standard are for information only.

# Household refrigerating appliances — Frozen food storage cabinets and food freezers — Characteristics and test methods

## 1 Scope

This International Standard specifies the essential characteristics for household frozen food storage cabinets and food freezers which are wholly factory assembled, and lays down the methods of test for the checking of these characteristics.

It does not apply to low-temperature compartments ("one-", "two-" and "three-star" compartments) which are covered in ISO 7371, or freezer compartments incorporated in refrigerators, which are covered in ISO 8187.

It does not include refrigerating performance characteristics and tests, or particular definitions for appliances cooled by internal forced air circulation, which are the subject of ISO 8561.

The tests described in this International Standard are type tests. When it is necessary to verify the performance of a freezer of a given type in relation to this International Standard, all the tests described should in principle be applied to one and the same unit.

These tests can also be made individually for the study of a particular characteristic.

Where no test method is specified, the particular requirement concerned is to be considered as a recommendation.

The electrical and mechanical safety requirements applicable to household frozen food storage cabinets and food freezers are specified in IEC 335-2-24.

Additional safety requirements applicable to mechanical refrigerating systems of household frozen food storage cabinets and food freezers are given in ISO 5149.

The safety requirements applicable to gaseous and liquid fuel heating equipment of absorption-type household refrigerating systems will form the subject of a future International Standard.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 534:1988, *Paper and board — Determination of thickness and apparent bulk density or apparent sheet density*.

ISO 817:—<sup>1)</sup>, *Refrigerants — Number designation*.

ISO 5149:1993, *Mechanical refrigerating systems used for cooling and heating — Safety requirements*.

IEC 335-2-24:1992, *Safety of household and similar electrical appliances — Part 2: Particular requirements for refrigerators, food freezers and ice-makers*.

1) To be published. (Revision of ISO 817:1974)