

SLOVENSKI STANDARD
SIST EN 28187:2000/A1:2000
01-december-2000

Household refrigerating appliances - Refrigerator-freezers -Characteristics and test methods - Amendment 1: Special compartments for the preservation of highly perishable foodstuffs (ISO 8187:1991/AM1:1997)

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Haushalts-Kühlgeräte - Kühl-Gefriergeräte - Eigenschaften und Prüfverfahren - Änderung 1: Spezielles Fach für die Aufbewahrung von leicht verderblichen Lebensmitteln (ISO 8187:1991/AM1:1997)

Réfrigérateurs a usage ménager - Réfrigérateurs-congérateurs - Caractéristiques et méthodes d'essai - Amendement 1: Compartiments spéciaux destinés a l'entreposage des denrées hautement périssables (ISO 8187:1991/AM1:1997)

Ta slovenski standard je istoveten z: EN 28187:1991/A1:1997

ICS:

97.040.30 Hladilni aparati za dom Domestic refrigerating appliances

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SIST EN 28187:2000/A1:2000

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 28187:1991/A1

December 1997

ICS 97.040.30

Descriptors: see ISO document

English version

Household refrigerating appliances - Refrigerator-freezers -
Characteristics and test methods - Amendment 1: Special
compartments for the preservation of highly perishable
foodstuffs (ISO 8187:1991/AM1:1997)

Réfrigérateurs à usage ménager - Réfrigérateurs-
congélateurs - Caractéristiques et méthodes d'essai -
Amendement 1: Compartiments spéciaux destinés à
l'entreposage des denrées hautement périssables (ISO
8187:1991/AM1:1997)

This amendment A1 modifies the European Standard EN 28187:1991; it was approved by CEN on 13 December 1997.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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EN 28187:1991/A1:1997

Foreword

The text of the Amendment ISO 8187:1991/AM1:1997 to the EN 28187:1991 has been prepared by Technical Committee ISO/TC 86 "Refrigeration" in collaboration with Technical Committee CEN/TC 44 "Household refrigerating appliances and commercial refrigerated cabinets", the secretariat of which is held by UNI.

This Amendment to the European Standard EN 28187:1991 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 1998, and conflicting national standards shall be withdrawn at the latest by June 1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

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The text of the International Standard ISO 8187:1991/AM1:1997 has been approved by CEN as a European Standard without any modifications.

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INTERNATIONAL STANDARD

ISO 8187

First edition
1991-03-01

AMENDMENT 1
1997-12-15

Household refrigerating appliances — Refrigerator-freezers — Characteristics and test methods

AMENDMENT 1: Special compartments for the
preservation of highly perishable foodstuffs

iTeh **STANDARD PREVIEW**

*Réfrigérateurs à usage ménager — Réfrigérateurs-congélateurs —
Caractéristiques et méthodes d'essai*

*AMENDEMENT 1: Compartiments spéciaux destinés à l'entreposage des
denrées hautement périssables*

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Reference number
ISO 8187:1991/Amd.1:1997(E)

ISO 8187:1991/Amd.1:1997(E)

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.

Amendment 1 to International Standard ISO 8187:1991 was prepared by Technical Committee ISO/TC 86, *Refrigeration*, Subcommittee SC 5, *Construction and testing of household refrigerators*.

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Household refrigerating appliances — Refrigerator-freezers — Characteristics and test methods

AMENDMENT 1: Special compartments for the preservation of highly perishable foodstuffs

Page 1

1 Scope

Add at the end of the clause:

Appliances covered by this International Standard may also incorporate special compartments for the storage of highly perishable foodstuffs.

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Add the definition:

3.2.7 chill compartment: Compartment intended specifically for the storage of highly perishable foodstuffs in which the temperatures can be maintained between -2 °C and $+3\text{ °C}$, and the volume of which is capable of accomodating at least 2 "M" packages (see 13.1.1).

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3.3.5.3 total gross volume

and

3.3.5.7 total storage volume

Replace "and cellar compartment(s)" with "chill compartment(s), and cellar compartment(s)"

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Add the definition:

3.4.3.4 chill compartment temperatures, $t_{cc\ max}$, $t_{cc\ min}$: Maximum and minimum instantaneous temperatures of any "M" package of a load in storage as specified in 8.5.

3.4.5 Defrosting

Delete note 2 and add the following text:

The method of defrosting shall be specified separately for the fresh food storage compartment(s), the food freezer compartment, low temperature compartment(s) and for the chill compartment, if any.

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5.6 Disposal of defrost water

Replace in NOTE 3 "and cellar compartments only" with ", cellar and chill compartments only."

6.1.4 Rated storage shelf area

Replacement text

The measured storage shelf area, including that of any cellar and chill compartment, shall not be less than the rated storage shelf area by more than 3 % of the latter.

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Add the following as column 8 in table 2 **(standards.iteh.ai)**

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<p>Chill compartment (see 3.4.3.4)</p>
<p>t_{cc} max, min</p>
<p>$-2 \leq t_{cc} \text{ min}, t_{cc} \text{ max} \leq +3$</p>

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7.2.2 Determination of the total storage volume

In both paragraphs, replace "cellar compartment(s)" with "cellar compartment(s) and chill compartment(s)"

7.2.3 Storage volume of fresh food storage and cellar compartments (if applicable)

Replace the subtitle and the first sentence with:

7.2.3 Storage volume of fresh food storage, chill and cellar compartments (if applicable)

The storage volume of the fresh food storage, cellar and chill compartments shall be the gross volume of the compartment minus

Replace the last dashed text with:

- the space between the inner door protrusion (dykes) and the inner liner of the fresh food storage, cellar and chill compartment.

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7.3.1.7.2 Fresh food storage compartment and cellar compartment, if any

and

7.3.3.1 Fresh food storage compartment and cellar compartment, if any

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Replace in the subtitle " and cellar compartment" with ", chill and cellar compartments"

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8.2.2 Composition

Add the following after item a) of this subclause:

b) For the measurement of chill compartments, it is necessary to take test packages with a freezing point of -5°C and a suitable filling containing per 1 000 g:

- 232 g of oxyethylmethylcellulose
- 725 g of water
- 43 g of sodium chloride
- 0,8 g of 6-chloro-*m*-cresol.

The freezing point of this material is near to -5°C (its thermal characteristics correspond to those of lean beef);

The present item b) becomes c).