SLOVENSKI STANDARD
SIST EN IEC 63169:2020/oprA1:2024

01-marec-2024

Gospodinjske in podobne električne naprave za hlajenje in zamrzovanje - Ohranjanje hrane - Dopolnilo A1

Electrical household and similar cooling and freezing appliances - Food preservation

Elektrische Haushalts- und ähnliche Kühl- und Gefriergeräte - Lebensmittelkonservierung

Appareils électrodomestiques et appareils de refroidissement et de réfrigération analogues - Conservation des aliments

Ta slovenski standard je istoveten z: **EN IEC 63169:2020/prA1:2023**

ICS:

97.040.30	Hladilni aparati za dom	Domestic refrigerating appliances

SIST EN IEC 63169:2020/oprA1:2024 **en**

59M/163/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: **IEC 63169/AMD1 ED1**	
DATE OF CIRCULATION: **2023-12-29**	CLOSING DATE FOR VOTING: **2024-03-22**
SUPERSEDES DOCUMENTS: **59M/158/CD, 59M/162/CC**	

IEC SC 59M : PERFORMANCE OF ELECTRICAL HOUSEHOLD AND SIMILAR COOLING AND FREEZING APPLIANCES

SECRETARIAT: Italy	SECRETARY: Ms Viktorija Krastinyte
OF INTEREST TO THE FOLLOWING COMMITTEES:	PROPOSED HORIZONTAL STANDARD: ☐ Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.

FUNCTIONS CONCERNED:

☐ EMC ☐ ENVIRONMENT ☐ QUALITY ASSURANCE ☐ SAFETY

☒ SUBMITTED FOR CENELEC PARALLEL VOTING **Attention IEC-CENELEC parallel voting** The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting. The CENELEC members are invited to vote through the CENELEC online voting system.	☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING

This document is still under study and subject to change. It should not be used for reference purposes.

Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Recipients of this document are invited to submit, with their comments, notification of any relevant “In Some Countries” clauses to be included should this proposal proceed. Recipients are reminded that the CDV stage is the final stage for submitting ISC clauses. (SEE AC/22/2007 OR NEW GUIDANCE DOC).

TITLE:

Amendment 1 - Electrical household and similar cooling and freezing appliances - Food preservation

PROPOSED STABILITY DATE: 2025

NOTE FROM TC/SC OFFICERS:

CONTENTS

FOREWORD

This amendment has been prepared by IEC technical subcommittee 59M: Performance of electrical household and similar cooling and freezing appliances

The text of this amendment is based on the following documents:

FDIS	Report on voting
59M/XXX/FDIS	59M/XXX/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 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.

The National Committees are requested to note that for this publication the stability date is 2027.

THIS TEXT IS INCLUDED FOR THE INFORMATION OF THE NATIONAL COMMITTEES AND WILL BE DELETED AT THE PUBLICATION STAGE.

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 publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of publication.

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INTRODUCTION

Add the following text after the first paragraph:

Amendment number 1 adds a **Condensation** test which is a companion test for the **Weight Loss** test. Both tests are used to assess aspects of food care in a refrigerator.

1 Scope

Replace the Scope by the following:

This document deals with two food preservation tests. A **Weight Loss** test and a **Condensation** test.

The **Weight Loss** test simulates the **weight loss** of leafy produce, given certain conditions of temperature, humidity and air movement in one or more test zones. The aim of the test is to measure the **weight loss rate** by measuring the weight of a **test tray** prior to the test and again after a given duration.

The **Condensation** test simulates **condensation** produced by real food on surfaces of the **test zone**, given certain conditions of temperature, humidity and air movement in one or more **test zones**. This test assesses the **condensation** in refrigerator **test zones** by using **test trays** filled with non-woven to generate **condensation**, and then evaluates the **condensation** extent and distribution.

The **Weight Loss** test and **Condensation** test apply to **test zones** that have an average operating temperature greater than 0 °C.

Both the **Weight Loss** test and **Condensation** test must be performed in series and not in parallel on the same refrigerator

Both the **Weight Loss** test and the **Condensation** test can only be applied to **test zones** having all dimensions exceeding 200 mm × 150 mm ×100 mm (L × W × H).

3 Terms and definitions

3.1 *Replace the term definition by the following:*

space inside the refrigeration appliance subject to the **weight loss** test and the **condensation** test

Add the following:

3.6
removable accessory
an accessory that is movable, removable, or adjustable by the customer if instructed to do so in the user instructions to enable a different refrigerator function or configuration to be used.

Note 1 to entry: Cleaning is not regarded as a different function so instructions to remove parts for cleaning-only, do not meet this requirement.

Note 2 to entry: Tools may be required for removal of such parts if so instructed.

3.7
condensation
droplets of water that appear on the cold surfaces of a **test zone**

3.8
total condensation
the sum of all the **condensation** calculated in 6.4.4

3.9
average condensation
the **total condensation** divided by the number of grid rectangles calculated in 6.1