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Responsible committee: CPL/59 Performance of household electrical appliances

Interested committees:

Title: Draft BS EN IEC 63252:2020/AA Energy consumption of vending machines.

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- iii) requires additional national guidance or information

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

English Version

Energy consumption of vending machines

Consommation d'énergie des distributeurs automatiques

Energieverbrauch von Verkaufsautomaten

This draft amendment prAA, if approved, will modify the European Standard EN IEC 63252:2020; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2022-12-02.

It has been drawn up by CLC/TC 59X.

If this draft becomes an amendment, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

This draft amendment was established by CENELEC in three official versions (English, French, German).

A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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27 European foreword

28 This document (EN IEC 63252:2020/prAA:2022) has been prepared by CLC/TC 59X "Performance of
29 household and similar electrical appliances".

30 This document is currently submitted to the Enquiry.

31 The following dates are proposed:

- latest date by which the existence of this document has to be announced at national level (doa) dor + 6 months
- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) dor + 12 months
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) dor + 36 months (to be confirmed or modified when voting)

32 This document will amend EN IEC 63252:2020.

33 It includes the following significant changes:

- 34 — Introduction of a definition of refrigerated vending machine;
- 35 — Refinement of the set up of category 4 and 6 machines for testing (Clause 5.1);
- 36 — Clarification of the placing of M_{cans} (Clause 5.4);
- 37 — Clarification of the product loading procedure and introduction of the option for using cans other than 330 ml (Clause 5.5);
- 38 — Clarification of product storage temperatures (Clause 5.6);
- 39 — Clarification of the practical definition of stabilization (Clause 5.7);
- 40 — Clarification of the testing procedure for machines without an energy saving mode (Clause 6.3.2);
- 41 — Clarification of energy measurement test procedure (Clause 6.3.3);
- 42 — Modification of the definition of volume (Clause 6.4);
- 43 — Introduction of an equation for the calculation of energy consumption for machines without energy saving mode (Clause 7);
- 44 — Modification of the calculation of energy consumption to provide consumption per day rather than per year (Clause 7);
- 45 — Clarification of the definition of category 6 machines;
- 46 — Editorial improvement regarding consistent use of terms;
- 47 — Introduction of dated normative references;
- 48 — and updated Annexes ZZA and ZZB.

52 This document has been prepared under a Standardization Request given to CENELEC by the European
53 Commission and the European Free Trade Association, and supports essential requirements of Directive(s) /
54 Regulation(s).

55 For the relationship with Directive(s) / Regulation(s), see informative Annexes ZZA and ZZB, which are an
56 integral part of this document.

1 Modification to Clause 1, “Scope”

Replace Table 1 as follows:

“

Table 1 — Vending machine categories

Category	Machine type
1	Refrigerated closed-fronted can and bottle machines where the products are held in stacks
2	Refrigerated glass-fronted can and bottle, confectionery and snack machines
3	Refrigerated glass-fronted machines entirely for perishable foodstuffs
4	Refrigerated dual-temperature glass-fronted machines
5	Confectionery and snack machines that are not refrigerated
6	Combination machines consisting of two machines in the same housing and powered by one chiller

“

2 Modifications to Clause 2, “Normative references”

Replace all references with the following:

“

EN 60335-2-75:2004¹, *Household and similar electrical appliances – Safety – Part 2-75: Particular requirements for commercial dispensing appliances and vending machines*

ISO 5149-2:2014, *Refrigerating systems and heat pumps – Safety and environmental requirements – Part 2: Design, construction, testing, marking and documentation*

ISO 5149-3:2014², *Refrigerating systems and heat pumps – Safety and environmental requirements – Part 3: Installation site*

EN 50564:2011, *Electrical and electronic household and office equipment – Measurement of low power consumption*

“

3 Modification to Clause 3, “Terms and definitions”

Add the following term entry:

3.1.12

refrigerated vending machine

refrigerating appliance with a direct sales function designed to accept consumer payments or tokens to dispense chilled foodstuffs and other items without on-site labour intervention

¹ As amended by EN 60335-2-75:2004/A1:2005, EN 60335-2-75:2004/A11:2006, EN 60335-2-75:2004/A2:2008 and EN 60335-2-75:2004/A12:2010.

² As amended by ISO 5149-3:2014/AMD:2021.

4 Modification to Clause 4, “General requirements”

Replace Table 2 as follows:

“

Table 2 — Description of vending machine categories

Category	Machine type	Comment
1	Refrigerated closed-fronted can and bottle machines where the products are held in stacks	These machines serve refrigerated beverages that are not visible before vending.
2	Refrigerated glass-fronted can and bottle, confectionery and snack machines	These machines are for foodstuffs which are refrigerated for reasons not related to food safety.
3	Refrigerated glass-fronted machines entirely for perishable foodstuffs	These machines are refrigerated for food safety reasons and have a health control cut-out function.
4	Refrigerated dual-temperature glass-fronted machines	These machines have two compartments, each of which is held at a different temperature, one of which is for perishable food. The compartment containing perishable food shall be controlled by a health control cut-out function.
5	Confectionery and snack machines that are not refrigerated	These machines store product at ambient temperature without cooling.
6	Combination machines consisting of two machines in the same housing and powered by one chiller.	The machines usually consist of two machine modules separated by a vertical panel but could also be two units mounted one above the other. A typical combination machine would consist of a closed-fronted bottle machine and a glass-fronted snack machine, or two separate food and snack machines. The volumes of the individual machines are not adjustable while the size of the individual compartments within a machine may be adjustable.

5 Modifications to Clause 5, “Conditions for the tests”

Add in 5.1 after the 6th paragraph the following paragraph:

“Category 4 and 6 machines shall be tested with the colder compartment set to its maximum volume. This is specified in the manufacturer’s manual. Where no guidance is given the machine shall be set up by the manufacturer with the plate separating the two sections set as high as the machine allows.”

Delete the 8th paragraph of 5.1.

Replace in 5.3 the paragraph with the following:

“The energy consumption shall be measured by a direct meter reading method, as described in EN 50564:2011 and recorded in the test report shown in Annex B.”

Add in 5.4, at the end of the 3rd paragraph, the following sentence:

“In machines with more than one can in a row the M-cans should be placed in the front row.”

Delete in 5.4 the last sentence.

“