Irish Standard
I.S. EN 50597:2015

Energy Consumption of Vending Machines

I.S. EN 50597:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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National Foreword

I.S. EN 50597:2015 is the adopted Irish version of the European Document EN 50597:2015, Energy Consumption of Vending Machines

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50597

October 2015

ICS 27.010; 55.230; 97.040.30

English Version

Energy Consumption of Vending Machines

Consommation d'énergie des distributeurs automatiques

Energieverbrauch von Verkaufsautomaten

This European Standard was approved by CENELEC on 2015-09-07. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists 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.

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

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Ref. No. EN 50597:2015 E

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European foreword

This document (EN 50597:2015) has been prepared by CLC/TC 59X "Performance of household and similar electrical appliances".

The following dates are fixed:

• latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2016-09-07
• latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	2018-09-07

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Introduction

Vending machines are included in the European Commission's eco-design study on ENER Lot 12. It is foreseen that an Ecodesign Regulation implementing Directive 2009/125/EC on the eco-design of energy-related products will be adopted in the future, and a corresponding standardization request will be issued to CEN and CENELEC accordingly. The development of the present European Standard was deemed necessary in a view to anticipate the above-mentioned developments.

1 Scope

This European Standard defines methods for the measurement of energy consumption of vending machines, whether or not fitted with refrigerating appliances.

The European Standard applies (but is not limited) to the following categories of machine types:

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 & snack machines
3	Refrigerated glass fronted machines entirely for perishable foodstuffs
4	Refrigerated multi-temperature glass fronted machines
5	Confectionery and snack machines that are not refrigerated

For verification purposes all the tests specified need to be applied to a single unit. The tests may also be made individually for the study of a particular characteristic.

This European Standard does not deal with any characteristics of machine design other than energy consumption.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50564, *Electrical and electronic household and office equipment — Measurement of low power consumption*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 Relating specifically to the vending process:

3.1.1
automatic defrosting
defrosting where no action is necessary by the user to initiate the removal of frost accumulation and to restore normal operation

Note 1 to entry: It includes the automatic removal of defrost water.

3.1.2
cabinet
enclosure within a vending machine in which products are held ready to be vended

3.1.3
automatic energy saving mode
mode of a vending machine in which energy reducing measures are automatically applied as a result of operational controls fitted by the manufacturer