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Irish Standard I.S. EN 1673:2000+A1:2009

Food processing machinery - Rotary rack ovens - Safety and hygiene requirements

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Food processing machinery - Rotary rack ovens - Safety and hygiene requirements

Machines pour les produits alimentaires - Fours à chariot rotatif - Prescriptions relatives à la sécurité et l'hygiène

Nahrungsmittelmaschinen - Stikken-Backöfen -Sicherheits- und Hygieneanforderungen

This European Standard was approved by CEN on 11 June 2000 and includes Amendment 1 approved by CEN on 24 October 2009.

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EN 1673:2000+A1:2009 (E)

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Foreword

This document (EN 1673:2000+A1:2009) has been prepared by Technical Committee CEN/TC 153 "Machinery intended for use with foodstuffs and feed", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2010, and conflicting national standards shall be withdrawn at the latest June 2010.

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

This document includes Amendment 1 approved by CEN on 24 October 2009.

This document supersedes EN 1673:2000.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A_{1} A_{1} .

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

A) For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document.

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Introduction

This European Standard is a type C standard as stated in EN ISO 12100.

The machinery concerned and the extend to which hazards, hazardous situations and events are covered are indicated in the scope of this European Standard.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of the other standards, for machines that have been designed and built according to the provisions of this type C standard. (A)

1 Scope

This standard specifies safety and hygiene requirements for the design and manufacture of rotary rack ovens with one or more rotary racks.

These ovens are used in the food industry and shops (bakeries, pastry-making, etc.) for the batch baking of foodstuffs containing flour, water and other additives. This standard applies to ovens used only for food products except for those containing volatile flammable ingredients.

The control of the humidity of the air in the baking chamber is by the production and introduction of steam around normal atmospheric pressure.

The following machines are excluded:

- experimental and testing machines under development by the manufacturer;
- domestic appliances.

A This standard covers the technical safety requirements for the transport, installation, operation, cleaning and maintenance of these machines (see 5.2 and 5.3 of EN 12100-1:2003)."

This document deals with all significant hazards, hazardous situations and events relevant to rotary rack ovens, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4).

Noise is not considered to be a significant hazard. This does not mean that the manufacturer is absolved from reducing noise and making a noise declaration. Therefore a noise test code is given in Annex B.

The hazards from the use of gaseous fuel by gas appliances are not covered by this standard.

A) This standard is not applicable to rotary rack ovens which are manufactured before the date of its publication as EN. (A)

2 A Normative references

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

EN 294:1992, Safety of machinery — Safety distances to prevent danger zones being reached by the upper limbs

EN 614-1:2006, Safety of machinery — Ergonomic design principles — Part 1: Terminology and general principles

EN 953:1997, Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards

EN 954-1:1996, Safety of machinery — Safety related parts of control systems — Part 1: General principles for design

EN 1088:1995, Safety of machinery — Interlocking devices associated with guards — Principles for design and selection

EN 1672-2:2005, Food processing machinery — Basic concepts — Part 2: Hygiene requirements

EN 60204-1:2006, Safety of machinery — Electrical equipment of machines — Part 1: General requirements (IEC 60204:2005, modified)

EN 60529:1991, Degrees of protection provided by enclosures (IP code) (IEC 60529:1989)



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