



SLOVENSKI STANDARD

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Plinski gospodinjski aparati za kuhanje - 1-2. del: Varnost - Aparati z ventilatorskimi pečicami (vključno z dopnilom A1)

Domestic cooking appliances burning gas - Part 1-2: Safety - Appliances having forced-convection ovens

Haushalt-Kochgeräte für gasförmige Brennstoffe - Teil 1-2: Sicherheit - Geräte mit Umluft-Backöfen

Appareils de cuisson domestiques utilisant les combustibles gazeux - Partie 1-2 : Sécurité - Appareils comportant des fours à convection forcée

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Domestic cooking appliances burning gas - Part 1-2: Safety - Appliances having forced-convection ovens

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This European Standard was approved by CEN on 10 March 2023 and includes Amendment 1 approved by CEN on 21 February 2024.

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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 CEN 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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EN 30-1-2:2023+A1:2024 (E)**European foreword**

This document (EN 30-1-2:2023+A1:2024) has been prepared by Technical Committee CEN/TC 49 "Gas cooking appliances", the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by October 2024 and conflicting national standards shall be withdrawn at the latest by April 2027.

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

This document supersedes A1 EN 30-1-2:2023 A1.

This document includes Amendment 1, approved by CEN on 2024-02-21.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1

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

For relationship with EU Directive(s)/Regulation(s), see informative Annex ZA, which is an integral part of this document.

This document is intended to be used together with EN 30-1-1:2021 on which the requirements and methods of test for appliances having forced-convection ovens and/or grills are based. In particular, this standard identifies the requirements and methods of test specific to these appliances, which are in addition to, or replace, those given in EN 30-1-1:2021.

Where a particular subclause of EN 30-1-1:2021 is not mentioned in this part 1-2, the subclause of EN 30-1-1:2021 applies as far as is reasonable. Where this document states "addition", "modification" or "replacement", the relevant text of EN 30-1-1:2021 shall be adapted accordingly.

This part is also intended to be used together with any other part of EN 30 series related to "Safety", whenever the appliances covered by this other part include a forced convection oven and/or grill.

Other European Standards covering domestic cooking appliances burning gas are as follows:

- EN 30-1-1, *Domestic cooking appliances burning gas — Part 1-1: Safety — General*;
- EN 30-1-3, *Domestic cooking appliances burning gas — Part 1-3: Safety — Appliances having a glass ceramic hob*;
- EN 30-1-4, *Domestic cooking appliances burning gas — Part 1-4: Safety — Appliances having one or more burners with an automatic burner control system*;
- EN 30-2-1, *Domestic cooking appliances burning gas — Part 2-1: Rational use of energy — General*;
- EN 30-2-2, *Domestic cooking appliances burning gas — Part 2-2: Rational use of energy — Appliances having forced-convection ovens and/or grills*.

Requirements concerning the emission of NO_x are not mentioned in this European Standard, taking account of the usage of the appliances and their low output, their contribution to environment pollution is negligible.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

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1 Scope

This document specifies the constructional and operational characteristics, as well as the requirements and methods of test for safety and marking, for domestic cooking appliances having forced-convection ovens and /or grills using combustible gases, given in EN 437:2021.

This document includes requirements covering the electrical safety of equipment incorporated in the appliance that are associated with the use of gas. It does not include requirements covering the electric safety of electrically-heated components or their associated equipment¹.

This document does not apply to:

- outdoor appliances;
- appliances connected to a combustion products evacuation duct;
- appliances having a pyrolytic gas oven;
- appliances having covered burners which do not comply with the constructional requirements of EN 30-1-1:2021, 5.2.8.2.2;
- appliances incorporating flame supervision devices and having an automatic ignition device for which the duration of the ignition attempt is limited by design;
- appliances equipped with a burner that is periodically ignited and extinguished under the control of an automatic on/off device;
- appliances equipped with a burner having a fan for the supply of combustion air or for the evacuation of the products of combustion;
- appliances supplied at pressures greater than those defined in EN 30-1-1:2021, 7.1.2;
- appliances equipped with an oven and/or with a grill having a fan either for the supply of combustion air or for the evacuation of the products of combustion;
- appliances equipped with a compartment in which a burner and an electric heating element can function simultaneously;
- appliances having one or more burners that are capable of remote operation (type 1 or type 2), unless the burner(s) concerned are thermostatically controlled oven burners of time-controlled ovens that are designed for a delayed start without the user being present.

This document does not cover the requirements relating to third family gas cylinders, their regulators and their connection.

¹ Refer to the electrical safety rules.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 437:2021, *Test gases - Test pressures - Appliance categories*

EN 30-1-1: 2021, *Domestic cooking appliances burning gas — Part 1-1: Safety — General*

EN 60335-2-6:2015², *Household and similar electrical appliances — Safety — Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (IEC 60335-2-6:2014)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 30-1-1:2021 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <https://www.electropedia.org/>

3.101 conventional oven

closed compartment for cooking roasts, pastries, etc., in which the transmission of heat is carried out by natural convection

3.102 conventional grill

appliance or part of an appliance that allows cooking by radiant heat from a surface which is raised to a high temperature and for which a fan is not used for the transmission of heat

3.103 forced-convection oven or grill

oven or grill equipped with a fan intended to assist the transmission of heat by creating a forced circulation of air or products of combustion; this fan is not intended to supply combustion air

3.104 dual purpose oven or grill

forced-convection oven or grill capable of being used as a conventional oven or grill

3.105 normal conditions of convection

conditions of convection that correspond to the operation of a forced-convection oven or grill that can be used with or without the fan in operation in accordance with the instruction for use and maintenance

² As impacted by EN 60335-2-6:2015/A1:2020 and EN 60335-2-6:2015/A11:2020.

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abnormal conditions of convection

abnormal conditions that relate to operating conditions of the appliance, if this is possible, in which the burner or burners that are not intended to function without the convection fan are capable of being put into operation when the convection fan has failed

4 Classification

The classification of EN 30-1-1:2021, Clause 4 shall apply.

5 Constructional requirements

5.1 General

The appliance shall comply with the requirements of EN 30-1-1:2021, Clause 5, any verifications in the form of tests being carried out in accordance with Clause 7 of this document rather than the corresponding clauses of EN 30-1-1:2021.

The appliance shall also satisfy the following requirements.

5.2 Special requirements

EN 30-1-1:2021, 5.2 shall apply.

5.3 Convection fan

Moving parts of the fan of forced-convection ovens and grills shall be arranged or protected in such a way that in normal use appropriate protection of persons against accidents is assured.

The removal of any parts allowing access to moving parts of the fan shall not be possible without tools unless the procedure employed to reach these moving parts causes the fan to stop automatically, for example by shutting off the electrical supply, or by mechanical locking of the rotor.

Under the conditions of EN 60335-2-6:2015, 20.2, after application of a force on the parts preventing access to moving parts of the fan, any deformations or alterations of position caused shall not allow the moving parts of the fan to be touched with the test finger.

6 Operational requirements

6.1 General

Unless specifically modified hereafter, the appliance shall comply with the requirements of EN 30-1-1:2021, Clause 6 when it is operating under the normal conditions of convection, any verifications in the form of tests being carried out in accordance with Clause 7 of this document rather than those of the corresponding clauses of EN 30-1-1:2021.

The appliance shall also satisfy the additional requirements in 6.4.