

Electric forced convection ovens, steam cookers and combination ovens for professional use - Test methods for measuring the performance

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Electric forced convection ovens, steam cookers and combination ovens for professional use - Test methods for measuring the performance

Fours électriques à convection forcée, cuiseurs à vapeur et fours combinés à usage professionnel - Méthodes d'essai pour le mesurage de l'aptitude à la fonction

Elektrische Heißluftöfen, Dampfgeräte und Heißluftdämpfer für den professionellen Gebrauch - Verfahren zur Messung der Gebrauchseigenschaften

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

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European foreword

This document (EN 50733:2025) 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) 2026-03-31
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2028-03-31

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1 Scope

This document applies to electric **forced convection ovens**, **steam cookers** and **combination ovens** for professional use.

These appliances are used in professional kitchens, such as restaurants, canteens, hospitals and in businesses such as butcher shops.

NOTE 1 These appliances are designed for one or more of the following cooking methods: blanching, frying, steaming, proofing, roasting, toasting, au gratin, sous vide cooking, etc

This document does not apply to:

- appliances that exclusively perform rethermalizing processes;

NOTE 2 Rethermalizing process is used for maintaining the temperature of hot food and for the warming of pre-cooked food (e.g. hot cupboard).

- pizza ovens;
- bakery ovens;
- static ovens;
- pressure steam ovens;
- appliances designed exclusively for industrial purposes.

The purpose is to define the principal performance characteristics of electric **forced convection ovens**, **steam cookers** and **combination ovens** for professional use and to describe the standard methods for measuring these characteristics.

This document does not deal with safety, food quality and or minimum performance requirements.

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 631-1, *Materials and articles in contact with foodstuffs — Catering containers — Part 1: Dimensions of containers*

3 Terms and definitions

For the purposes of this document, the following terms and definitions 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/>

3.1

forced convection oven

appliance intended for the cooking of food by heated air that is circulated by mechanical means within the **cooking chamber**