



DRAFT TANZANIA STANDARD

(Draft for comments only)

Household and similar electrical appliances - Safety - Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens

TANZANIA BUREAU OF STANDARDS



1 National Foreword

This draft Tanzania Standard has been prepared by the TBS Electrical Equipment Technical Committee, under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This draft Tanzania Standard is identical to International Standard IEC 60335-2-42:2021 Household and similar electrical appliances - Safety - Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens, which has been prepared by the International Electrotechnical Commission.

2 Terminology and conventions

Some terminologies and certain conventions are not identical with those used in Tanzania standards; attention is drawn especially to the following: -

- 1) The comma has been used as a decimal marker for metric dimensions. In Tanzania Standards, it is current practice to use “full point” on the baseline as the decimal marker.
- 2) Where the words “International Standard(s)” appear, referring to this standard they should read “Tanzania Standard(s)”



HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –
SAFETY –

Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens

1 Scope

This clause of Part 1 is replaced by the following.

This part of IEC 60335 deals with the safety of electrically operated commercial forced convection ovens, steam cookers, steam-convection ovens and, exclusive of any other use, steam generators, not intended for household and similar use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances.

These appliances are not intended for household and similar purposes. They are used for commercial processing of food in areas not open to the public, for example in kitchens of restaurants, canteens, hospitals and in commercial enterprises such as bakeries and butcheries.

This standard deals also with electrically operated commercial forced convection ovens, steam cookers, steam-convection ovens intended for use on board ships, for which informative Annex AA is applicable.

NOTE 101 These appliances are used for commercial processing of food, for example in kitchens of restaurants,

canteens, hospitals and in commercial enterprises such as bakeries, butcheries, etc.

The electrical part of appliances making use of other forms of energy is also within the scope of this standard.

As far as is practicable, this standard deals with the common hazards presented by these types of appliances.

Attention is drawn to the fact that:

– for appliances intended to be used in vehicles or on board ships or aircrafts, additional



requirements may can be necessary;

– in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour, the national water supply authorities and similar authorities;

– in many countries additional requirements are specified for pressure appliances.

This standard does not apply to:

– appliances designed exclusively for industrial purposes;

– appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas);

– appliances for continuous mass production of food;

– microwave ovens (IEC 60335-2-90);

– battery-operated appliances.

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2 Normative references

This clause of Part 1 is applicable except as follows.

Addition:

IEC 60068-2-6, Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal)

IEC 60068-2-27, Environmental testing – Part 2-27: Tests – Test Ea and guidance: Shock

IEC 60068-2-52:2017, Environmental testing – Part 2: Tests – Test Kb: Salt mist, cyclic (sodium chloride solution)

IEC 60584-1, Thermocouples – Part 1: EMF specifications and tolerances

ISO 898-1, Mechanical properties of fasteners made of carbon steel and alloy steel – Part 1:

Bolts, screws and studs with specified property classes – Coarse thread and fine pitch thread

ISO 3506-1, Fasteners – Mechanical properties of corrosion-resistant stainless steel fasteners

– Part 1: Bolts, screws and studs with specified grade and property classes

ISO 3506-2, Fasteners – Mechanical properties of corrosion-resistant stainless steel fasteners



– Part 2: Nuts with specified grade and property classes

ISO 3506-3, Mechanical properties of corrosion-resistant stainless steel fasteners – Part 3: Set screws and similar fasteners not under tensile stress

ISO 3506-4, Mechanical properties of corrosion-resistant stainless steel fasteners – Part 4:

Tapping screws

DRAFT FOR COMMENTS