



PCD 776-2-24:2025  
IEC 60335-2-24:2025

## DRAFT ZANZIBAR NATIONAL STANDARD

**Household and similar electrical appliances – Safety – Part 2-24:  
Particular requirements for refrigerating appliances, ice-cream  
appliances and ice-makers**

DRAFT STANDARD FOR PUBLIC COMMENTS

**ZANZIBAR BUREAU OF STANDARDS**

## **National foreword**

ZBS is in the process of adopting IEC 60335-2-24:2025, Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers, under the Electrical and Electronics Standard Technical committee. In accordance with ZBS general procedures, this draft standard is presented to the public in order to receive any technical comment concerns.

## **Technical Committee Representatives**

This Draft Zanzibar National Standard was prepared by Electrical and Electronics Standard Technical committee which consists of representatives from the following organizations:

Zanzibar Electricity Corporation (ZECO)  
Department of Energy (DoEM)  
Zanzibar National Chamber of Commerce, (ZNCC)  
Kilimanjaro Cable(T) LTD  
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## Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers

### 1. Scope

This clause of Part 1 is replaced by the following.

This part of IEC 60335 deals with the safety of the following appliances, their rated voltage being not more than 250 V for single-phase appliances, 480 V for other appliances and 24 V DC for appliances when battery-operated:

- refrigerating appliances for household and similar use;
- ice-makers incorporating a motor-compressor and ice-makers intended to be incorporated in frozen food storage compartments intended for household use;
- refrigerating appliances and ice-makers for applications similar to household use such as for camping, in leisure accommodation vehicles, on boats for leisure purposes and on-board ships;
- mobile refrigerating appliances.

These appliances can be operated from the mains, from a separable battery or operated either from the mains or from a separable battery or from other sources of energy (gas, liquid and solid fuel).

This standard deal also with refrigerating appliances intended for the use on boats for leisure purposes and on-board ships, for which the normative Annex FF is applicable.

This standard also deals with the safety of ice-cream appliances intended for household use, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.

It also deals with compression-type appliances for household and similar use, which use flammable refrigerants.

This standard does not cover features of the construction and operation of those refrigerating appliances which are dealt with in other IEC standards.

Refrigerating appliances not intended for normal household use but which nevertheless can be a source of danger to the public, such as

- refrigerating appliances used in staff kitchen areas in shops, offices and other working environments,
- refrigerating appliances used in farm houses and by clients in hotels, motels and other residential type environments,
- refrigerating appliances used in bed and breakfast type environments, and
- refrigerating appliances used in catering and similar non-retail applications

are within the scope of this standard.

As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not consider

- persons whose
  - physical, sensory or mental capabilities or
  - lack of experience and knowledge

prevents them from using the appliance safely without supervision or instruction.

Attention is drawn to the fact that

- for appliances intended to be used in vehicles, leisure accommodation vehicles, boats for leisure purposes, on board ships or aircraft, additional requirements can be necessary;
- in many countries, additional requirements are specified by national health authorities, the national authorities responsible for the protection of labour, the national water supply authorities and similar authorities;
- for appliances that are operated additional from other sources of energy (gas, liquid and solid fuel), additional requirements can be necessary.

This standard does not apply to

- appliances intended for outdoor use, except for mobile refrigerating appliances;
- 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 incorporating a battery intended as a power supply for the refrigerating function;
- appliances assembled on site by the installer;
- appliances with remote motor-compressors;
- motor-compressors (IEC 60335-2-34);
- commercial dispensing appliances and vending appliances (IEC 60335-2-75);
- commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor (IEC 60335-2-89);
- professional ice-cream makers (IEC 60335-2-118).

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