



PCD 566:2024
IEC 60335-2-89:2019

DRAFT ZANZIBAR NATIONAL STANDARD

**Household and similar electrical appliances – Safety – Part 2-89:
Particular requirements for commercial refrigerating appliances with
an incorporated or remote refrigerant unit or compressor**

DRAFT STANDARD FOR PUBLIC COMMENTS

ZANZIBAR BUREAU OF STANDARDS

National foreword

ZBS is in the process of adopting Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor, 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:

State University of Zanzibar (SUZA)
Zanzibar Electricity Corporation (ZECO)
Department of Energy (DoEM)
Zanzibar National Chamber of Commerce, (ZNCC)
Vocational Training Authority of Zanzibar (VTA)
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Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor

Scope

IEC 60335-2-89:2019 specifies safety requirements for electrically operated commercial refrigerating appliances and ice-makers that have an incorporated motor-compressor or that are supplied in two units for assembly as a single appliance in accordance with the instructions (split system).

NOTE 101 Examples of appliances that are within the scope of this standard are

- refrigerated display and storage cabinets;
- refrigerated trolley cabinets;
- service counters and self-service counters;
- blast chillers and blast freezers;
- commercial ice-makers.

As far as is practicable, this standard deals with the common hazards presented by these types of appliances including those that use flammable refrigerants and appliances employing R -744 refrigerant.

This International Standard is not applicable to appliances with a mass of flammable refrigerant exceeding the limits specified in 22.110 or to appliances with that use refrigerants with a toxicity classification of B according to ISO 817.

It does not cover those features of construction and operation of refrigerating appliances that are dealt with in ISO standards.

NOTE 102 Attention is drawn to the fact that

- for appliances intended to be used in vehicles or aboard 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.

NOTE 103 This standard does not apply to

- appliances using flammable refrigerant in transcritical refrigeration systems;
- domestic refrigerating appliances (IEC 60335-2-24);
- split systems having a refrigerant charge of flammable refrigerant exceeding 150 g in any refrigerating circuit;
- industrial refrigerating systems;
- motor-compressors (IEC 60335-2-34);
- commercial dispensing appliances and vending machines (IEC 60335-2-75);
- commercial ice-cream appliances;
- cold temperature rooms;
- multiple refrigerated chambers with a remote motor-compressor.

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