



EDC 7 (3314) DTZS

IEC 60034-30-1:2014

DRAFT TANZANIA STANDARD

(Draft for comments only)

**Rotating electrical machines - Part 30-1: Efficiency classes of
line operated AC motors (IE code)**

TANZANIA BUREAU OF STANDARDS

1 National Foreword

This draft Tanzania Standard is being prepared by the Energy Efficiency Technical Committee, under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This draft Tanzania Standard is an adoption of the International Standard IEC 60034-30-1:2014, *Rotating electrical machines - Part 30-1: Efficiency classes of line operated AC motors (IE code)*, which has been prepared by the International Electrotechnical Commission (IEC).

This standard is a revised version of TZS 2611-1:2022 which, upon publication of this new edition, the first edition will be superseded.

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; and
- 2) Where the words “International Standard(s)” appear, referring to this standard they should read “Tanzania Standard(s)”.

3 Scope

This document specifies efficiency classes for single-speed electric motors that are rated according to TZA 375-1/IEC 60034-1 or IEC 60079-0, for operation on a sinusoidal voltage supply. This standard establishes a set of limit efficiency values based on frequency, number of poles and motor power.

No distinction is made between motor technologies, supply voltage or motors with increased insulation designed specifically for converter operation even though these motor technologies may not all be capable of reaching the higher efficiency classes. This makes different motor technologies fully comparable with respect to their energy efficiency potential.

Draft for Stakeholders comments only