
**Energetska učinkovitost dvigal (liftov), tekočih stopnic in tekočih stez - 1. del:
Merjenje energije in preverjanje (ISO 25745-1:2012)**

Energy performance of lifts, escalators and moving walks - Part 1: Energy measurement and verification (ISO 25745-1:2012)

Energieeffizienz von Aufzügen, Fahrtreppen und Fahrsteigen - Teil 1: Energiemessung und Konformität (ISO 25745-1:2012)

Performance énergétique des ascenseurs, escaliers mécaniques et trottoirs roulants - Partie 1: Mesurage de l'énergie et vérification (ISO 25745-1:2012)

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91.140.90 Dvigala. Tekoče stopnice Lifts. Escalators

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EUROPEAN STANDARD
NORME EUROPÉENNE
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English Version

**Energy performance of lifts, escalators and moving walks - Part
1: Energy measurement and verification (ISO 25745-1:2012)**

Performance énergétique des ascenseurs, escaliers
mécaniques et trottoirs roulants - Partie 1: Mesurage de
l'énergie et vérification (ISO 25745-1:2012)

Energieeffizienz von Aufzügen, Fahrtreppen und
Fahrsteigen - Teil 1: Energiemessung und Konformität (ISO
25745-1:2012)

This European Standard was approved by CEN on 29 September 2012.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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Foreword

This document (EN ISO 25745-1:2012) has been prepared by Technical Committee ISO/TC 178 "Lifts, escalators and moving walks" in collaboration with Technical Committee CEN/TC 10 "Lifts, escalators and moving walks" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2013, and conflicting national standards shall be withdrawn at the latest by April 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Endorsement notice

The text of ISO 25745-1:2012 has been approved by CEN as a EN ISO 25745-1:2012 without any modification.

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INTERNATIONAL STANDARD

ISO
25745-1

First edition
2012-10-01

Energy performance of lifts, escalators and moving walks —

Part 1: Energy measurement and verification

*Performance énergétique des ascenseurs, escaliers mécaniques et
trottoirs roulants —*

Partie 1: Mesurage de l'énergie et vérification

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ISO 25745-1:2012(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 25745-1 was prepared by Technical Committee ISO/TC 178, *Lifts, escalators and moving walks*.

ISO 25745 consists of the following parts, under the general title *Energy performance of lifts, escalators and moving walks*:

— *Part 1: Energy measurement and verification*

Additional parts, dealing with energy calculation and classification for lifts (elevators) and energy calculation and classification for escalators and moving walks, are planned.

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Introduction

This International Standard has been prepared in response to the rapidly increasing need to ensure and to support the efficient and effective use of energy. This International Standard provides:

- a) a consistent method of measuring actual energy usage of an installed lift, escalator and moving walk;
- b) a simple method to periodically verify that energy usage of an installed unit has not changed — this is in support of regulatory periodic energy verification requirements.

This International Standard is intended to be a reference for the following parties:

- building developers or owners determining and confirming the energy consumption of a building;
- building owners and service companies for performing regulatory periodic energy verification;
- the manufacturers, installers and maintenance providers of lifts, escalators and moving walks;
- consultants and architects involved in specification of lifts, escalators and moving walks.

The total energy consumption over the entire life cycle of lifts, escalators and moving walks consists of the energy to manufacture, install, operate, and the disposal of lifts, escalators and moving walks. However, for the purpose of this International Standard, only the power consumption of the lift, escalator or moving walk required for its operation is considered in the assessment of energy consumption and its verification.

This International Standard is suitable for national or regional jurisdictional energy performance purposes, such as European Directive 2010/31/EU.^[4]

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