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ERINÕUDED ELEKTRILISTELE TÖÖSTUSLIKELE
TRIIKIMISSEADMETELE

Household and similar electrical appliances -
Particular requirements for electrically operated
commercial rotary ironers

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 50706:2022 sisaldab Euroopa standardi EN 50706:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 50706:2022 consists of the English text of the European standard EN 50706:2022.
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English Version

Household and similar electrical appliances - Particular requirements for electrically operated commercial rotary ironers

Appareils électrodomestiques et analogues - Exigences particulières pour les repasseuses rotatives électriques à usage collectif

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke - Besondere Anforderungen für elektrische Bügelmaschinen für den gewerblichen Gebrauch

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European Committee for Electrotechnical Standardization
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European foreword

This document (EN 50706:2022) has been prepared by CLC/TC 61, "Safety of household and similar electrical appliances".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-02-19
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2025-08-19

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This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Introduction

Addition:

EN 50706:2022 is read in conjunction with EN 60335-1:2012+A11:2014 +A13:2017+A1:2019 +A14:2019 +A2:2019+A15:2021+A16:2022, which is referred to in this text as “Part 1”. This document supplements or modifies the corresponding clauses and subclauses of the standards of Part 1.

NOTE The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.

This document is a product family standard dealing with the safety of commercial electric **rotary ironers** and takes precedence over horizontal and generic standards covering the same subject.

This document recognizes the level of protection against hazards such as electrical, mechanical, thermal, fire and radiation of commercial electric **rotary ironers** when operated as in normal use taking into account the manufacturer's instructions. It also covers any reasonably foreseeable misuse of the machinery and takes into account the way in which electromagnetic phenomena can affect the safe operation of commercial electric **rotary ironers**.

A commercial electric **rotary ironers** that complies with the text of this standard will not necessarily be considered to comply with the safety principles of the standard if, when examined and tested, it is found to have other features that impair the level of safety covered by these requirements.

This document takes into account the requirements of HD 60364 as far as possible so that there is compatibility with the wiring rules when the machinery is connected to the supply mains. However, national wiring rules may differ.

This document applies in conjunction with the latest edition of EN 60335-1 and its amendments, which is referred to in this text as “Part 1”. This standard supplements or modifies the corresponding clauses of Part 1 as indicated in the text.

1 Scope

This clause of Part 1 is replaced by the following:

This document deals with the safety of electrically operated commercial **rotary ironers**, intended to be used by trained users in e.g. hotels hospitals, factories, in light industry and on farms. It also covers **rotary ironers** which are declared for commercial use in **areas open to the public** and operated by lay persons e.g. in laundrettes and communal laundry rooms. Their rated voltage being not more than 250 V for single phase and 480 V for others.

This document also covers electrically operated commercial **rotary ironers** making use of other energy sources. It does not cover requirements for these other energy sources for heating purposes. However, the influence of these other energy sources on the machine is covered.

As far as is practicable, this document deals with the common hazards presented by appliances that are encountered by all persons in household and similar environments.

However, in general, it does not take into account

- **children** playing with the appliance,
- **the use of the appliance** by **children**,

It is recognized that **very vulnerable people** may have needs beyond the level addressed in this document.

Products covered by this document do not create a noise hazard, therefore no specific provisions concerning noise are given.

NOTE 101 Attention is drawn to the fact that

- for electrically operated commercial **rotary ironers** intended to be used in vehicles or on board ships or aircraft, additional requirements can be necessary;
- in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities.

This document does not apply to

- industrial flatwork ironers having a surface contact area $\geq 1,20 \text{ m}^2$, feeders and folders (EN ISO 10472-5);
- 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);

For the purpose of this document, the term “appliance” as used in Part 1 is read as “electrically operated commercial **rotary ironers**”.

2 Normative references

This clause of Part 1 is applicable except as follows:

EN 62233:2008, *Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure*

EN ISO 13857:2019, *Safety of machinery – Safety distances to prevent hazard zones being reached by upper and lower limbs*

EN 60068-2-75, *Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests*

ISO 1817, *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids*

EN 61010-1:2010,¹ *Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements*

3 Terms and definitions

This clause of Part 1 is applicable except as follows.

Replacement

3.1.9

normal operation

appliances are operated without laundry and with the pressing surfaces in contact with each other at maximum temperature and roller speed settings until steady state conditions are reached

Note 1 to entry: The roller cover is not removed.

3.1.101

rotary ironer

appliance in which the laundry is supported by one padded roller that is rotated by a motor and a heated surface that can be brought into contact with the laundry

3.1.102

guard

part of the appliance specifically designed to provide protection by means of a physical barrier

3.1.103

operator

person or persons installing, operating, adjusting, maintaining, cleaning, repairing or moving appliances

Note 1 to entry: Example is the location where the **operator** loads the appliance.

3.1.104

area open to the public

area in which the general public including children can enter

Note 1 to entry: Examples are laundrettes, communal laundry rooms.

3.Z.7

use of the appliance

Replace the "NOTE Z1" by "VOID"

4 General requirement

This clause of Part 1 is applicable except as follows:

Replace the first paragraph by the following:

Appliances shall be constructed so that they function safely so as to cause no danger to persons or surroundings during normal use, even in the event of carelessness, and during installation, adjusting, maintenance, cleaning, repairing or transportation.

5 General conditions for the tests

This clause of Part 1 is applicable.

¹ As impacted by EN 61010-1:2010/A1:2019.