ICS 23.120 SLOVENSKÁ TECHNICKÁ NORMA Máj 2024

STN	**Elektrické spotrebiče na čistenie vzduchu pre domácnosť a na podobné účely Metódy merania funkčných vlastností Časť 2-1: Osobitné požiadavky na stanovenie redukcie častíc**	**STN EN IEC 63086-2-1** 36 1055

Household and similar electrical air cleaning appliances - Methods for measuring the performance - Part 2-1: Particular requirements for determination of reduction of particles

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/24

Obsahuje: EN IEC 63086-2-1:2024, IEC 63086-2-1:2024

138529

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 63086-2-1

March 2024

ICS 23.120

English Version

Household and similar electrical air cleaning appliances - Methods for measuring the performance - Part 2-1: Particular requirements for determination of reduction of particles (IEC 63086-2-1:2024)

Appareils d'épuration d'air électriques domestiques et appareils similaires - Méthodes de mesure de l'aptitude à la fonction - Partie 2-1: Exigences particulières pour la détermination de la réduction des particules (IEC 63086-2-1:2024)

Elektrische Luftreinigungsgeräte für den Hausgebrauch und ähnliche Zwecke - Messung der Gebrauchseigenschaften - Teil 2-1: Besondere Anforderungen für die Bestimmung der Reduktion von Partikeln (IEC 63086-2-1:2024)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 63086-2-1:2024 E

European foreword

The text of document 59N/44/FDIS, future edition 1 of IEC 63086-2-1, prepared by SC 59N "Electrical air cleaners for household and similar purposes" of IEC/TC 59 "Performance of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63086-2-1:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-11-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2027-02-23

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Endorsement notice

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 63086-1	2020	Household and similar electrical air cleaning appliances - Methods for measuring the performance - Part 1: General requirements	EN IEC 63086-1	2020
+ AMD1	2023		+ A1	2023
ISO 12103-1	-	Road vehicles - Test contaminants for filter evaluation - Part 1: Arizona test dust	-	-
ISO 29463-1	-	High efficiency filters and filter media for removing particles from air - Part 1: Classification, performance, testing and marking	-	-
ISO 5011	2020	Inlet air cleaning equipment for internal combustion engines and compressors - Performance testing	-	-

IEC 63086-2-1

Edition 1.0 2024-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Household and similar electrical air cleaning appliances – Methods for measuring the performance – Part 2-1: Particular requirements for determination of particle reduction

Appareils d'épuration d'air électriques domestiques et appareils similaires – Méthodes de mesure de l'aptitude à la fonction – Partie 2-1: Exigences particulières pour la détermination de la réduction des particules

IEC 63086-2-1:2024-01(en-fr)

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IEC 63086-2-1

Edition 1.0 2024-01

INTERNATIONAL STANDARD

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Household and similar electrical air cleaning appliances – Methods for measuring the performance – Part 2-1: Particular requirements for determination of particle reduction

Appareils d'épuration d'air électriques domestiques et appareils similaires – Méthodes de mesure de l'aptitude à la fonction – Partie 2-1: Exigences particulières pour la détermination de la réduction des particules

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INTERNATIONALE

ICS 23.120 ISBN 978-2-8322-8122-2

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HOUSEHOLD AND SIMILAR ELECTRICAL AIR CLEANING APPLIANCES – METHODS FOR MEASURING THE PERFORMANCE –

Part 2-1: Particular requirements for determination of particle reduction

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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IEC 63086-2-1 has been prepared by subcommittee 59N: Electrical air cleaners for household and similar purposes, of IEC technical committee 59: Performance of household and similar electrical appliances, in co-operation with ISO technical committee 142: Cleaning equipment for air and other gases. It is an International Standard.

It is published as a double logo International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
59N/44/FDIS	59N/46/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

In this standard, the following print types are used:

– **terms defined in Clause 3 of IEC 63086-1: bold type**

– **terms defined in Clause 3 of IEC 63086-2-1: bold type**.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 63086 series, published under the general title *Household and similar electrical air cleaning appliances – Methods for measuring the performance*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

HOUSEHOLD AND SIMILAR ELECTRICAL AIR CLEANING APPLIANCES – METHODS FOR MEASURING THE PERFORMANCE –

Part 2-1: Particular requirements for determination of particle reduction

1 Scope

This part of IEC 63086 specifies test methods for measuring the performance of electrically powered household and similar **air cleaners** intended for the reduction of particulate pollutants.

NOTE The limits of measurability for the **CADR** are described in Annex A.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 63086-1:2020, *Household and similar electrical air cleaning appliances – Methods for measuring the performance – Part 1: General requirements*
IEC 63086-1:2020/AMD1:2023

ISO 12103-1, *Road vehicles – Test dust for filter evaluation – Part 1: Arizona test dust*

ISO 29463-1, *High efficiency filters and filter media for removing particles from air – Part 1: Classification, performance, testing and marking*

ISO 5011:2020, *Inlet air cleaning equipment for internal combustion engines and compressors – Performance testing*

EN 1822-1, *High efficiency air filters (EPA, HEPA and ULPA) – Part 1: Classification, performance testing, marking*