



NSAI
Standards

Irish Standard
I.S. EN IEC 60879:2019

Comfort fans and regulators for household and similar purposes - Methods for measuring performance

I.S. EN IEC 60879:2019

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN IEC 60879:2019 is the adopted Irish version of the European Document EN IEC 60879:2019, Comfort fans and regulators for household and similar purposes - Methods for measuring performance

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EUROPEAN STANDARD

EN IEC 60879

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2019

ICS 23.120

English Version

**Comfort fans and regulators for household and similar purposes
- Methods for measuring performance
(IEC 60879:2019)**

Ventilateurs de confort et régulateurs de vitesse pour
applications domestiques et analogues - Méthodes de
mesure de l'aptitude à la fonction
(IEC 60879:2019)

Komfortventilatoren und Regler für den Hausgebrauch und
ähnliche Zwecke - Verfahren zur Messung der
Gebrauchseigenschaften
(IEC 60879:2019)

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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

EN IEC 60879:2019 (E)**European foreword**

The text of document 59L/171/FDIS, future edition 2 of IEC 60879, prepared by SC 59L "Small household appliances" 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 60879:2019.

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) 2020-03-26
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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60335-2-80	NOTE	Harmonized as EN 60335-2-80
IEC 60665	NOTE	Harmonized as EN IEC 60665
IEC 61000-3-2	NOTE	Harmonized as EN IEC 61000-3-2
IEC 61000-3-3	NOTE	Harmonized as EN 61000-3-3
CISPR 14-1	NOTE	Harmonized as EN 55014-1
CISPR 14-2	NOTE	Harmonized as EN 55014-2

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

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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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60704-2-7	-	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-7: Particular requirements for fans	EN 60704-2-7	-
IEC 62301	-	Household electrical appliances - Measurement of standby power	EN 50564	-

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IEC 60879

Edition 2.0 2019-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Comfort fans and regulators for household and similar purposes – Methods for measuring performance

Ventilateurs de confort et régulateurs de vitesse pour applications domestiques et analogues – Méthodes de mesure de l'aptitude à la fonction



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IEC 60879

Edition 2.0 2019-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Comfort fans and regulators for household and similar purposes – Methods for measuring performance

Ventilateurs de confort et régulateurs de vitesse pour applications domestiques et analogues – Méthodes de mesure de l'aptitude à la fonction

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMFORT FANS AND REGULATORS FOR HOUSEHOLD AND SIMILAR PURPOSES – METHODS FOR MEASURING PERFORMANCE

FOREWORD

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International Standard IEC 60879 has been prepared by subcommittee 59L: Small household appliances, of IEC technical committee 59: Performance of household and similar electrical appliances

This second edition cancels and replaces the first edition published in 1986. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) the definitions of fans have been revised;
- b) the test methods for the different types of fans have been revised to allow modern test instrumentation to be used;
- c) acoustic noise measurement and standby power measurement methods have been introduced.

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

FDIS	Report on voting
59L/171/FDIS	59L/172/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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

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COMFORT FANS AND REGULATORS FOR HOUSEHOLD AND SIMILAR PURPOSES – METHODS FOR MEASURING PERFORMANCE

1 Scope

This International Standard specifies the performance-measuring methods of comfort fans and regulators for household and similar purposes, including conventional fans, tower fans and bladeless fans, their rated voltage being not more than 250 V for single-phase fans and 480 V for other fans, and their rated power input being less than 125 W.

NOTE 1 According to the testing method, the comfort fans are classified into two groups:

- pedestal fans, table fans, wall fans, louvre fans, tower fans, bladeless fans;
- ceiling fans.

Wherever applicable, the term "fan" used in this document includes its associated regulator, if any.

NOTE 2 This document does not apply to

- safety of electric fans for household and similar purposes (IEC 60335-2-80);
- performance of ventilating fans (IEC 60665);
- electromagnetic compatibility of fans (CISPR 14-1 and CISPR 14-2, IEC 61000-3-2, IEC 61000-3-3).

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 60704-2-7, *Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-7: Particular requirements for fans*

IEC 62301, *Household electrical appliances – Measurement of standby power*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

NOTE When the term "voltage" is used, it implies an RMS value unless otherwise specified.

3.1

comfort fan

fan primarily designed for creating air movement around or on part of a human body for personal cooling comfort, including fans that can perform additional functionalities such as lighting

Note 1 to entry: A comfort fan is hereinafter also referred to by the term "fan".

3.2

conventional fan

comfort fan with a propeller having two or more blades, with free inlet and outlet of air

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