



NSAI
Standards

Irish Standard
I.S. EN IEC 60665:2019

A.C. ventilating fans and regulators for household and similar purposes - Methods for measuring performance

I.S. EN IEC 60665:2019

Incorporating amendments/corrigenda/National Annexes issued since publication:

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This document is based on:

EN IEC 60665:2019

Published:

2019-01-11

*This document was published
under the authority of the NSAI
and comes into effect on:*

2019-01-30

ICS number:

NOTE: If blank see CEN/CENELEC cover page

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National Foreword

I.S. EN IEC 60665:2019 is the adopted Irish version of the European Document EN IEC 60665:2019, A.C. ventilating fans and regulators for household and similar purposes - Methods for measuring performance

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EUROPEAN STANDARD

EN IEC 60665

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2019

ICS 23.120

English Version

**A.C. ventilating fans and regulators for household and similar
purposes - Methods for measuring performance
(IEC 60665:2018)**

Aérateurs à courant alternatif et régulateurs pour
applications domestiques et analogues - Méthodes de
mesure de l'aptitude à la fonction
(IEC 60665:2018)

Lüftungsventilatoren und Regler in Klimaanlage für den
Hausgebrauch und ähnliche Zwecke - Verfahren zur
Messung der Gebrauchseigenschaften
(IEC 60665:2018)

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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 60665:2019 (E)**European foreword**

The text of document 59L/139/CDV, future edition 2 of IEC 60665, 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 60665:2019.

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) 2019-09-28
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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 60704-2-7	NOTE	Harmonized as EN 60704-2-7
IEC 60879	NOTE	Harmonized as EN 60879 ¹
IEC 61000-3-2	NOTE	Harmonized as EN 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

¹ Under preparation. Stage at the time of publication: prEN 60879

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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 5801	2007	Industrial fans - Performance testing using standardized airways	-	-

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IEC 60665

Edition 2.0 2018-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**A.C. ventilating fans and regulators for household and similar purposes –
Methods for measuring performance**

**Aérateurs à courant alternatif et régulateurs pour applications domestiques et
analogues – Méthodes de mesure de l'aptitude à la fonction**



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IEC 60665

Edition 2.0 2018-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE



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Methods for measuring performance**

**Aérateurs à courant alternatif et régulateurs pour applications domestiques et
analogues – Méthodes de mesure de l'aptitude à la fonction**

INTERNATIONAL
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ICS 23.120

ISBN 978-2-8322-6320-4

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CONTENTS

FOREWORD.....	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Bearings	7
5 Speed regulators	7
6 Marking	7
7 Tests	7
7.1 General.....	7
7.2 Test voltage	8
7.3 Test frequency	8
7.4 Limits of voltage variation	8
7.5 Tests for air delivery performance.....	8
8 Tolerances on fan ratings	8
8.1 Partition type ventilating fans (Type A).....	8
8.2 Free inlet partition ventilating fans (Type B), free outlet partition ventilating fans (Type C) and fully ducted ventilating fans (Type D)	8
Annex A (normative) Air delivery performance evaluation	9
Bibliography.....	16
Figure A.1 – Plot of partial pressure of water vapour in the air against laboratory ambient temperature for different values of relative humidity (RH)	10
Figure A.2 – Type A test installation (outlet-side multiple nozzle test chamber).....	12
Figure A.3 – Type B test installation (without antistair device) using multiple nozzle test chamber	13
Figure A.4 – Type C test installation (inlet-side test chamber).....	14
Figure A.5 – Type D using Type B (outlet-side test duct) without antistair device, without common segment and with inlet-duct simulation	15

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**A.C. VENTILATING FANS AND REGULATORS FOR HOUSEHOLD AND
SIMILAR PURPOSES – METHODS FOR MEASURING PERFORMANCE**

FOREWORD

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International Standard IEC 60665 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 1980. This edition constitutes a technical revision.

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

- a) the test chambers have been updated;
- b) a test chamber for a type D fan is introduced.

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

CDV	Report on voting
59L/139/CDV	59L/156A/RVC

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.

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- withdrawn,
- replaced by a revised edition, or
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A.C. VENTILATING FANS AND REGULATORS FOR HOUSEHOLD AND SIMILAR PURPOSES – METHODS FOR MEASURING PERFORMANCE

1 Scope

This document specifies the performance and the corresponding methods of test of AC ventilating fans for household and similar purposes intended for air forcing and exhaust, driven by single-phase AC motors having a power consumption of less than 125 W (including any associated regulators) for use on single-phase AC circuits not exceeding 250 V.

This document applies to ventilating fans such as partition fans for walls and windows and duct fans.

NOTE This document does not apply to:

- the safety of electric fans for household and similar purposes (IEC 60335-2- 80);
- the performance of comfort fans (IEC 60879);
- range hoods and other cooking fume extractors (IEC 61591);
- airborne acoustic noise for fans (IEC 60704-2-7);
- electromagnetic compatibility of fans (CISPR 14-1 and CISPR 14-2, IEC 61000-3-2, IEC 61000-3-3).

2 Normative references

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ISO 5801:2007, *Industrial fans – Performance testing using standardized airways*

3 Terms and definitions

For the purpose of this standard, 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 terms “voltage” and “current” are used, they imply root mean square (RMS) values unless otherwise specified.

3.1

fan

fan blades connected to and driven by an electric motor, including its associated speed regulator, if any

3.2

ventilating fan

fan intended to displace air either from one side of a partition to the other, or within a duct installed either on the fan inlet or on the fan outlet, or both

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