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Irish Standard
I.S. EN IEC 60675-3:2021

Household electric direct-acting room heaters - Methods for measuring performance - Part 3: Additional provisions for the measurement of the radiation efficiency

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National Foreword

I.S. EN IEC 60675-3:2021 is the adopted Irish version of the European Document EN IEC 60675-3:2021, Household electric direct-acting room heaters - Methods for measuring performance - Part 3: Additional provisions for the measurement of the radiation efficiency

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 60675-3

January 2021

ICS 97.100.10

English Version

Household electric direct-acting room heaters - Methods for measuring performance - Part 3: Additional provisions for the measurement of the radiation efficiency (IEC 60675-3:2020)

Appareils électrodomestiques de chauffage des locaux à action directe - Méthodes de mesure de l'aptitude à la fonction - Partie 3: Dispositions supplémentaires pour la mesure du rendement de rayonnement (IEC 60675-3:2020)

Elektrische Haushalt-Direktheizgeräte - Prüfverfahren zur Bestimmung der Gebrauchseigenschaft - Teil 3: Zusätzliche Bestimmungen für die Messung der Strahlungswirkungsgrades (IEC 60675-3:2020)

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

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European foreword

The text of document 59C/257/FDIS, future edition 1 of IEC 60675-3, prepared by SC 59C "Electrical heating appliances 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 60675-3:2021.

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) 2021-10-08
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IEC 60531 NOTE Harmonized as EN 60531

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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.

Replace the references in Annex ZA of EN 60675:1995 with the following references:

Publication	Year	Title	EN/HD	Year
IEC 60675	1994	Household electric direct-acting room heaters - Methods for measuring performance	EN 60675	1995
+ A1	1998		+ A1	1998
+ A2	2018		+ A2	2018
-	-		+ A11	2019
IEC 60675-2	2020	Household electric direct-acting room heaters - Methods for measuring performance - Part 2: Additional provisions for the measurement of the radiation factor	EN IEC 60675-2	2021

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Household electric direct-acting room heaters – Methods for measuring performance – Part 3: Additional provisions for the measurement of radiation efficiency

Appareils électrodomestiques de chauffage des locaux à action directe – Méthodes de mesure de l'aptitude à la fonction – Partie 3: Dispositions supplémentaires pour la mesure du rendement de rayonnement

IEC 60675-3:2020-12(en-fr)

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IEC 60675-3

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Household electric direct-acting room heaters – Methods for measuring performance – Part 3: Additional provisions for the measurement of radiation efficiency

Appareils électrodomestiques de chauffage des locaux à action directe – Méthodes de mesure de l'aptitude à la fonction – Partie 3: Dispositions supplémentaires pour la mesure du rendement de rayonnement

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HOUSEHOLD ELECTRIC DIRECT-ACTING ROOM HEATERS – METHODS FOR MEASURING PERFORMANCE –

Part 3: Additional provisions for the measurement of radiation efficiency

FOREWORD

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

FDIS	Report on voting
59C/257/FDIS	59C/261/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.

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This International Standard is to be used in conjunction with IEC 60675:1994, IEC 60675:1994/AMD1:1998 and IEC 60675:1994/AMD2:2018. This document supplements or modifies the corresponding clauses of IEC 60675:1994. Where the text indicates an "addition" to or a "replacement" of the relevant provision of IEC 60675:1994, these changes are made to the relevant text of IEC 60675:1994. Where no change is necessary, the words "This clause of IEC 60675:1994 is applicable" are used. When a particular subclause of IEC 60675:1994 is not mentioned in this part, that subclause applies as far as is reasonable.

Additional specific provisions to those in Part 1, given as individual clauses or subclauses, are numbered starting from 101.

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.

In this document, the following print types are used:

– **terms listed in Clause 3 of this document and of IEC 60675:1994 and IEC 60675-2:2020: Arial bold.**

– *test specifications: in italic type*.

A list of all parts in the IEC 60675 series, published under the general title *Household electric direct-acting room heaters – Methods for measuring 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 "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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HOUSEHOLD ELECTRIC DIRECT-ACTING ROOM HEATERS – METHODS FOR MEASURING PERFORMANCE –

Part 3: Additional provisions for the measurement of radiation efficiency

1 Scope

This clause of IEC 60675:1994 is applicable, with the following modification:

Replace the first paragraph with the following content:

This document applies to electric direct-acting room heaters.

This document defines performance characteristics related to the radiant effect and specifies methods for measuring the **radiation efficiency** for the information of users.

This document is used to measure the **radiation efficiency** of direct-acting room heaters.

2 Normative references

Replace Clause 2 of IEC 60675:1994 with the following content:

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IEC 60675:1994, *Household electric direct-acting room heaters – Methods for measuring performance*
IEC 60675:1994/AMD1:1998
IEC 60675:1994/AMD2:2018

IEC 60675-2:2020, *Household electric direct-acting room heaters – Methods for measuring performance – Part 2: Additional provisions for the measurement of the radiation factor*

3 Terms, definitions and symbols

Replace Clause 3 of IEC 60675:1994 with the following content:

For the purposes of this document, the terms and definitions given in IEC 60675:1994, IEC 60675:1994/AMD1:1998, IEC 60675-2:2020 and the following apply.

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3.101
radiant factor
ratio of the measured infrared heat output to the measured total energy input, expressed in %

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