

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**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**



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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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International Standard IEC 60675-3 has been prepared by subcommittee 59C: Electrical heating appliances for household and similar purposes, of IEC technical committee 59: Performance of household and similar electrical appliances.

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.

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

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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:

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 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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- IEC Electropedia: available at <http://www.electropedia.org/>
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3.101

radiant factor

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