

FINAL VERSION

Household electric direct-acting room heaters – Methods for measuring performance



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

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This Consolidated version of IEC 60675 bears the edition number 2.2. It consists of the second edition (1994-08) [documents 59C/51/FDIS and 59C/54/RVD], its amendment 1 (1998-07) [documents 59C/81/FDIS and 59C/84/RVD] and its amendment 2 (2018-04) [documents 59C/223/CDV and 59C/224/RVC]. The technical content is identical to the base edition and its amendments.

This Final version does not show where the technical content is modified by amendments 1 and 2. A separate Redline version with all changes highlighted is available in this publication.

International standard IEC 60675 has been prepared by subcommittee 59C: Heating appliances, of IEC technical committee 59: Performance of household electrical appliances.

Annex A forms an integral part of this standard.

Annexes B to D are for information only.

In this standard, the following print types are used:

- *test specifications: in italic type*
- notes: in small roman type
- other texts: in roman type

Words in **bold** in the text are defined in clause 3.

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

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- withdrawn,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

A bilingual version may be issued at a later date.

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

1 Scope

This standard applies to electric **direct-acting room heaters**. They may be portable, stationary, fixed, or built-in.

It does not apply to:

- thermal-storage room heaters (IEC 60531);
- heating appliances incorporated in the building structure;
- central heating systems;
- heaters connected to an air duct;
- wall-paper, carpets or drapes incorporating flexible heating elements.

This standard defines the main performance characteristics of **direct-acting room heaters** and specifies methods for measuring these characteristics, for the information of users.

This standard does not specify values for performance characteristics.

NOTE – This standard does not deal with:

- safety requirements (IEC 60335-2-30);
- acoustical noise of **fan heaters** (IEC 60704-2-2).

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the edition indicated was valid. All normative documents are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60584-1: 1977, *Thermocouples – Part 1: Reference tables*.

NOTE – Informative references (bibliography) are given in annex D.

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1

direct-acting room heater

appliance which converts electrical energy into heat after a demand for heat has arisen in a room and transfers this heat to the room without delay

NOTE – In this standard, a **direct-acting room heater** is referred to as a **heater**.