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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 15470.3-2025

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

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is part 3 of GB/T 15470 "Performance test methods for household direct-acting room electric heaters".

The following parts have been published.

---Performance test method for household direct-acting room electric heaters;

--- Part 2: Additional provisions for emissivity measurement;

--- Part 3: Additional provisions for radiant efficiency measurement.

This document is equivalent to IEC 60675-3:2020 "Performance test methods for household direct-acting room electric heaters Part 3: Radiation Additional Provisions for Measurement of Radiation Efficiency.

Introduction

GB/T 15470 "Performance test methods for household direct-acting room electric heaters" aims to standardize direct-acting room electric heaters the performance testing method is planned to consist of three parts.

---Performance test method for household direct-acting room electric heaters. The purpose is to specify the performance test method for household direct-acting room electric heaters. performance testing method.

--- Part 2: Additional provisions for the measurement of emissivity. The purpose is to specify the radiation coefficient of household direct-acting room electric heaters.

Number measurement method.

--- Part 3: Additional provisions for the measurement of radiant efficiency. The purpose is to specify the radiant efficiency of household direct-acting room electric heaters.

Rate measurement method.

Household direct-acting electric room heaters Performance test methods Part 3: Radiation Additional provisions for efficiency measurement

1 Scope

This chapter of IEC 60675:1994 is applicable with the following amendments. The first and second paragraphs are replaced by the following.

This document specifies the performance characteristics related to the radiant effect of domestic direct-acting electric room heaters and describes them for the reference of users.

Method for measuring radiant efficiency.

This document applies to the measurement of the radiant efficiency of domestic direct-acting electric room heaters.

2 Normative references

Chapter 2 of IEC 60675:1994 is replaced by the following.

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 15470.2-2025 Performance test methods for household direct-acting room electric heaters Part 2: Measurement of emissivity Additional provisions (IEC 60675-2:2020, IDT)
IEC 60675:1994/AMD1.1998 IEC 60675:1994/AMD2.2018 Note. GB/T 15470-2002
Performance test method for household direct-acting room electric heaters (idt IEC 60675.1994)

3 Terms, definitions and symbols

Chapter 3 of IEC 60675:1994 is replaced by the following.

IEC 60675:1994, IEC 60675:1994/AMD1.1998, GB/T 15470.2-2025 and the following terms and for the purposes of this document, the definitions apply.

The terminology databases used for standardization maintained by ISO and IEC are located at.

3.101

radiant factor

The ratio of the measured infrared heat output to the measured total energy input, expressed as a percentage.

NOTE: The emissivity can be measured for plate heaters, convection heaters and radiant heaters.

3.102

Radiation efficiency the heat flowing into the (test) chamber through radiation exchange between the effective radiation heating surface and the inner surface of the chamber is