

ICS 29.260.20

CCS K35



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

**GB/T 22769-2023**

Replacing GB/T 22769-2008

**Electric bathroom heater (Yuba)**

浴室电加热器具(浴霸)

**Issued on: March 17, 2023**

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Standardization Administration of China**

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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 replaces GB/T 22769-2008 "Bathroom Electric Heating Appliances (Yuba)": Compared with GB/T 22769-2008, except editorial Besides the changes, the main technical changes are as follows:

- Added the term and definition of "steady state" (see 3:11);
- Added requirements for fan-type appliances and lamps to comply with national safety and electromagnetic compatibility standards (see Chapter 5);
- Increased mechanical shock resistance requirements for thermal radiation sources (see 5:3:2);
- Modified the mandatory convection temperature rise requirements (see 5:4:2:1, 5:4:2:1 of the:2008 edition);
- Modified the convective heating time (see 5:5:2:2, 5:5:2:2 of the:2008 edition);
- Increase the temperature gradient requirements (see 5:5:2:3);
- Modified anti-aging requirements (see 5:7, 5:6 of the:2008 edition);
- Modified the noise requirements (see 5:10, 5:9 of the:2008 edition);
- Modified the general conditions of the test (see 6:1, 6:1 of the:2008 edition);
- Deleted the note about steady state (see 6:3:4:1:1 of the:2008 edition);
- Modified the content of the thermal performance test of the fan appliance (see 6:3:4:2, 6:3:4:2 of the:2008 edition);
- Modified the content of the aging test (see 6:3:6, 6:3:6 of the:2008 edition);
- Modified the content of the noise test (see 6:3:9, 6:3:9 of the:2008 edition);

## 1 Scope

GB/T 22769-2023 is the Chinese national standard on electric bathroom heater (yuba), in the field of electrical engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 17 March 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 October 2023.

Classification: ICS 29.260.20, CCS K35. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the classification, requirements, tests, inspection rules, signs, instructions for use, packaging, transportation and storage of bathroom electric heaters: This document applies to non-storage room heaters for fixed installation in bathrooms: The rated voltage of single-phase appliances does not exceed 250V; The rated voltage of other appliances does not exceed 480V: NOTE: Examples of appliances falling within the scope of this document are:

- Ceiling-mounted electric radiant bathroom heaters;
- Ceiling-mounted electric fan-type bathroom heaters;
- Ceiling-mounted radiant, fan-combined electric bathroom heaters;
- Wall-mounted electric radiant bathroom heaters;
- Wall-mounted electric fan-type bathroom heater;
- Wall-mounted radiant, fan-combination electric bathroom heater: This document does not apply to those portable room heaters that can be used both in the room and in the bathroom, such as electric oil heaters:

## 2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document: GB/T 2423:

17 Environmental testing for electric and electronic products - Part 2: Test method Test Ka: Salt spray GB/T 2828:

1 Counting sampling inspection procedure Part 1: Batch-by-batch inspection sampling plan

retrieved by acceptance quality limit (AQL) GB/T 4214:

1 General requirements for noise test methods of household and similar electrical appliances GB/T 4214:

12 Specific requirements for fan heaters in test methods for noise from household and similar electrical appliances GB 4343:

1 Electromagnetic Compatibility Requirements for Household Appliances, Electric Tools and Similar Appliances Part 1: Emission GB 4706:

1 Safety of Household and Similar Electrical Appliances Part 1: General Requirements

GB 4706:23-2007 Safety of Household and Similar Electrical Appliances Part 2: Particular Requirements for Room Heaters GB 4706:

27 Safety of Household and Similar Electrical Appliances Part 2: Special Requirements for Fans GB/T 4857:

5 Drop test method for packaging and transportation packages GB/T 4857:

7 Basic tests for packaging and transportation packages - Part 7: Test method for sinusoidal constant frequency vibration GB 7000:

### **3 Terms and Definitions**

The following terms and definitions defined in GB 4706:23-2007 and GB 4706:27 apply to this document: