

Translated English of Chinese Standard: GBT4706.53-2024

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GB/T 4706.53-2024 / IEC 60335-2-84:2019

Replacing GB 4706.53-2008

**Safety of household and similar electrical appliances - Part
53: Particular requirements for toilet appliances**

家用和类似用途电器的安全 第 53 部分:坐便器的特殊要求

(IEC 60335-2-84:2019, Household and similar electrical appliances - Safety - Part 2-
84: Particular requirements for toilet appliances, IDT)

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Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020 *Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents*.

This document is Part 53 of GB/T 4706 *Safety of household and similar electrical appliances*. GB/T 4706 has been published in the following parts:

- Part 1: General requirements;
- Part 2: Particular requirements for electric irons;
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- Part 121: Particular requirements for professional ice-cream makers.

This document replaces GB 4706.53-2008 *Household and similar electrical appliances - Safety - Particular requirements for toilets*. Compared with GB 4706.53-2008, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- The scope of the application is changed. The original "shower unit" is changed to "spray seat" in the entire text (see Chapter 1; see Chapter 1 of the 2008 edition);
- The definition of "spray seat" is added (see 3.105);
- The requirements for the test sequence are added (see 5.2 and 5.3);
- The requirements for the type of appliances for spray seats are added (see 6.1);
- The waterproof grade requirements for spray seats are added (see 6.2);
- The requirements for the force applied to the appliances in the mechanical strength test are changed (see 21.101; see 21.101 of the 2008 edition);
- The requirements for the mechanical strength of spray seats, heated seats, enclosures, etc. are added (see 21.103);
- The structural requirements for bare heating elements of appliances are added (see 22.33);
- The structural requirements for "thermal link for compliance with 19.13 and thermal cut-out in the spray seat" are added (see 24.101);

Safety of household and similar electrical appliances - Part

53: Particular requirements for toilet appliances

1 Scope

This chapter of GB/T 4706.1-2024 is replaced by the following:

This document specifies the safety of household and similar electric toilet appliances.

This document applies to household and similar electric toilet appliances having a rated voltage being not more than 250 V, in which excrement is stored, dried or destructed or which wash or dry parts of the human body.

NOTE 101: Examples of such electric toilets are the following and they can be used to process garbage such as paper and food waste.

- mouldering toilets;
- package toilets;
- freezing toilets;
- vacuum toilets.

This document also applies to electric equipment for use with conventional toilets.

NOTE 102: Examples of such electric equipment are as follows:

- automatic seat covering devices;
- chopping units;
- heated seats;
- pumping units;
- water heaters for spray seats;
- spray seats.

As far as is practicable, this document deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account young children playing with the appliance.

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