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GB 4706.53-2008 / IEC 60335-2-84:2005 (Ed2.0)

Replacing GB 4706.53-2002

**Household and Similar Electrical Appliances
- Safety - Particular Requirements for Toilets**

家用和类似用途电器的安全 坐便器的特殊要求

(IEC 60335-2-84:2005 (Ed2.0), IDT)

Issued on: December 30, 2008

Implemented on: March 01, 2010

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine;**

Standardization Administration of PRC.

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Foreword

All technical contents in this Part are mandatory.

GB 4706 *Household and Similar Electrical Appliances – Safety* consists of several parts; Part 1 is general requirements; other parts are particular requirements.

This Part is Part 53 of GB 4706. This Part shall be used in conjunction with GB 4706.1-2005 *Household and Similar Electrical Appliances – Safety - Part 1: General Requirements*.

This Part equivalently adopts IEC 60335-2-84:2005 *Household and Similar Electrical Appliances – Safety – Part 2: Particular Requirements for Toilets*, and the Amendment 1.

This Part replaced GB 4706.53-2002 *Safety of Household and Similar Electrical Appliances - Particular Requirements for Toilet*.

The part that says "applicable" in this Part means that the corresponding provisions in GB 4706.1-2005 are applicable to this Part; the part that says "replacement" in this Part is subject to the provisions in this Part; the part says "addition" means that in addition to complying with the corresponding provisions in GB 4706.1-2005, it must also comply with the additional provisions in the provisions of this Part.

Compared with GB 4706.53-2002, this Part has the major changes as follows:

- 3.1.9 Addition: If warm air is provided for drying, the drying cycle is initiated immediately after the end of the showering cycle, unless the sequence is automatic;
- 7.12.1 Addition: The installation instructions for appliances incorporating water heaters having bare heating elements shall state the substance of the following:
 - The resistivity of the water supply must not be less than Ωcm ;
 - The appliance must be permanently connected to fixed wiring.

The installation instructions shall indicate that there is a sign that lit cigarettes and other burning products cannot be put into the toilet, and it shall be fixed in a prominent position beside the toilet (except the flushing toilet).

- 13.2 Addition: Water heaters having bare heating elements are tested with water having the resistivity stated in the instructions.

For water heaters of class I having bare heating elements, the leakage current is measured between a metal sieve positioned 10 mm from the spray head of

the shower unit and the earthing terminal. The terminals of the heating element are connected through the selector switch to each pole of the supply in turn, as shown in Figure 101.

The leakage current shall not exceed 0.25 mA.

--- 16.2 Addition: Water heaters having bare heating elements are tested with water having the resistivity stated in the instructions.

This Part was proposed by China Light Industry Council.

This Part shall be under the jurisdiction of National Technical Committee for Standardization of Household Appliance (SAC/TC 46).

Chief drafting organizations of this Part: China Household Electric Appliances Research Institute; and National Quality Supervision and Test Center of Household Appliances.

Chief drafting staffs of this Part: Lu Jianguo, Zhu Yan, Zhao Weibo, and Sun Peng.

This Part was first-time published in August 2002; it is the first-time revised.

Household and Similar Electrical Appliances

- Safety - Particular Requirements for Toilets

1 Scope

This Clause of GB 4706.1-2005 is replaced by the following.

This Part deals with the safety of electric toilets in which excrement is stored, dried or destructed, their rated voltage being not more than 250 V.

NOTE 101: Electric toilets may be used to process garbage such as paper and food waste.

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

NOTE 102: Examples of such electric equipment are:

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

Toilets that are not used as general households, but may still pose a danger to the public. For example, toilets used by non-professional personnel in shops, light industries, and farms are also within the scope of this Part.

The common hazards of the toilets involved in this Part are encountered by all people in the house and the surrounding environment of the house.

In general, this Part does not take into account young children playing with the appliance.

NOTE 103: Attention is drawn to the fact that:

- for appliances intended to be used in vehicles or ships or aircraft, additional requirements may be necessary;
- additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labor, the national water supply authorities and

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