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

GB 4706.104-2010

**Household and similar electrical appliances -- Safety --
Particular requirements for heated gullies for roof drainage
(English Translation)**

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Foreword

All technical contents of this section is mandatory.

GB 4706 "and similar household electrical appliances," it consists of several components,
Part 1 General Requirements for the other parts of special

Claim.

This part is a first portion 104 of the GB 4706.

This section should GB 4706.1-2005. with "safe 1 Household and similar electrical
appliances General requirements."

This section drafted in accordance with the rules GB/T 1.1-2009 given.

This section uses the translation method is equivalent to using IEC 60335-2-83.2001
"Safety Section 2-83 and similar household electrical appliances. House

Heating the top drainage groove drain special requirements ", including its Addendum 1
(2008), concerning the terms of addendum has on its outside by page

Margin position vertical wire (I) were marked.

This section made the following editorial changes.

--- consistent with the existing standard series, the standard name will be changed to "roof drainage safety of household and similar electrical appliances with heating and drainage Tank special requirements. "

Please note that some of the content of this document may involve patents. The issuing authority of this document does not assume responsibility to identify these patents.

This section was proposed by China Light Industry Federation.

This part of the jurisdiction of the National Standardization Technical Committee appliances (SAC/TC46).

This part of the drafting units. China Household Electrical Appliances Research Institute, Shanghai Entry-Exit Inspection and Quarantine Bureau Electrical Products Testing Center, Shenzhen inspection

Inspection and quarantine Academy of Science.

1 Scope

GB 4706.1-2005 in this chapter replaced by the following.

This section provides security Household and similar roof drainage heated drain grooves.

This section applies to the appliance does not exceed the rated voltage of 250V, it is used for the drainage trenches roof, terrace or the like of the deicing

Electrically heated drain groove.

Common hazards presented by the appliances covered in this section, is in and around the home environments of all people may experience. however,

Generally this section does not cover.

--- people (including children) attributable to.

-, perception or mental capacity of the body; or

- lack of experience and knowledge.

It can not be used safely in danger when the appliance without supervision or instruction;

--- children playing instruments situation.

Note 1: It should be noted, additional requirements by the state health department, responsible for the protection of labor, the national water sector and similar sectors provisions.

Note 2: This part is not intended to be used to implement the special environment, such as a corrosive or explosive atmosphere (dust, vapor or gas).

2 Normative references

The following documents for the application of this document is essential. For dated references, only applies to the version dated paper

Pieces. For undated references, the latest edition (including any amendments) applies to this document.

GB 4706.1-2005 in this chapter except as follows, are applicable.

increase.

GB/T 2423.18-2000 Environmental testing for electric and electronic products - Part 2. Test Test Kb. Salt mist, cyclic (sodium chloride Solution) (idt IEC 60068-2-52:1996)

3 Terms and Definitions

The following terms and definitions apply to this document.

GB 4706.1-2005 in this chapter except as follows, are applicable.

3.19 instead of.

Work normal operation

Appliance top surface of the insulating capability to work $1.25\text{m}^2\text{K/W} \pm 0.3\text{m}^2\text{K/W}$ is covered with the insulating layer.

4 General requirements

This chapter in GB 4706.1-2005 is applicable.

General conditions for 5 tests

GB 4706.1-2005 in this chapter except as follows, are applicable.

5.6 Addition.

The short-circuit temperature control means.

5.7 Addition.

Tests specified in Chapter 10, Chapter 11, Chapter 13, Section 19 to be carried out at ambient temperature $\pm 2^\circ\text{C}$ 40°C .

Category 6

GB 4706.1-2005 in this chapter except as follows, are applicable.

6.1 Review.

As a class should implement I, II III class or classes of appliances.

6.2 Review.

Waterproof rating of the appliance should be at least IPX7.

7 Marking and instructions

This chapter in GB 4706.1-2005 is applicable.

8 Protection against access to live parts

This chapter in GB 4706.1-2005 is applicable.

9 start electric appliances

This chapter in GB 4706.1-2005 is applicable.

Power input and current 10

This chapter in GB 4706.1-2005 is applicable.

11 fever

GB 4706.1-2005 in this chapter except as follows, are applicable.

11.7 Replacement.

The appliance is operated until steady conditions are established.

11.8 increase.

Temperature instruments shall not exceed the values in Table 3 minus 15K.

Surface of the apparatus housing, comprising a rear mounting site inaccessible, the temperature rise should not exceed 60K.

12 Void

Leakage current and electric strength at the operating temperature of 13

This chapter in GB 4706.1-2005 is applicable.