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

GB 4706.88-2008

**Household and similar electrical appliances -- Safety --
Particular requirements for wet and dry vacuum cleaners,
including power brush, for industrial and commercial use**

家用和类似用途电器的安全 工业和商用带动力刷的湿或干吸尘器的特殊要求

(English Translation)

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Table of Contents

Preface IEC Foreword

1 Scope

2 Definitions

3 2 general requirements General conditions for 4 Test

5 Void

6 Category

7 Marking and instructions

8 Protection against access to live parts

3 15 Moisture resistance

5 20 Stability and mechanical hazards

5 21 Mechanical strength

6 element

7 and screw 28 is connected

Appendix

Annex A (normative) Normative References Particular requirements for Annex AA
(normative) collecting dust hazardous to health with a vacuum cleaner, garbage sweeper
and dust collector

Foreword

GB 4706 all technical contents of this section is mandatory.

This section is equivalent to using IEC 60335-2-69 "Household and Similar Electrical Appliances - Safety - Part 2. Industrial and commercial driving force of the brush Particular requirements for wet and dry vacuum cleaners "(1997) Second Edition.

This section should GB 4706.1-1998 "Household and Similar Electrical Appliances - Safety Part 1: General Requirements," with the use.

Safety Household and Similar Electrical Appliances consists of two parts, a first part of a universal requirement, the second part of a special security products Claim.

This section states that "suitable" section, indicates that the corresponding provision in this section apply to 4706.1-1998 GB; stated in this section "Instead of" section, this section shall prevail provisions; "modify" part of this section stated, represents the corresponding GB 4706.1-1998 Provisions relevant content should be content after this section takes effect, and the contents of the other provisions of this section still apply; write in this section

That "increasing" section, showing in addition to the corresponding provision in line with GB 4706.1-1998, this section shall comply with the added provision.

This section will reference IEC 312. 1981 standard to the respective national standard GB/T 20291-2006 "domestic vacuum cleaners of To test method "(IEC 60312:2004, IDT).

Appendices Appendix properties in this section by the predetermined attribute GB 4706.1-1998.

This part of the increase in the terms of notes and charts should be numbered starting from 101 onwards.

1 Scope

GB 4706.1-1998 of this chapter except as follows, are applicable.

Addition.

This section applies to the electric vacuum cleaner includes a specially designated for wet and dry, with or without attachments wet suction, dry absorption or industrial and commercial Also in vertical suction equipment and appliances, for example for removing dust or the like with a suction device from the table and production equipment.

Note: The commercial is for hotels, schools, hospitals, factories, shops and office use, rather than for general housework purposes.

This portion is also suitable for collecting harmful dust, such as asbestos, or requires additional appliance liquid.

This section also applies to the use of other forms of energy prime mover appliances, but its effect must be considered.

modify.

Note replaced by the following two lines of the original contents 3.

--- GB 4706.7 applies for household appliances;

--- Stationary centralized vacuum system settings;

--- intend to use the appliance in locations where special conditions of a corrosive or explosive atmosphere (flammable gases or vapors) of.

Addition.

101 NOTE. For battery-operated appliance, shall refer to IEC 60335-2-72.

2 Definitions

GB 4706.1-1998 of this chapter except for the following content, are applicable.

2.2.9

article replaced by the following.

Normal operation of the vacuum motor, the input power P_m is calculated as follows. $P_m = 0.5 (P_f + P_i)$ Where.

P_f --- nozzle and hose work gear on 3min provided by the manufacturer when the measured maximum input power in watts (W is);

--- P_i immediately after opening the nozzle work tool working 3min 20s of input power in the case of nozzle clogging watts Special (W).

When clogging intake manifold, the gas flow used to ensure that any cooling of the motor a valve or the like inoperative.

P_i and P_f measurement obtained in the following cases. the rated voltage adjusted supply voltage; if the threshold difference does not exceed the rated voltage range of the voltage range of the average Value of 10%, and the average nominal supply voltage range; if the tolerance range of the rated voltage exceeds the voltage range of the average 10% of the test Test case where the upper limit is adjusted to the rated voltage range of the supply voltage.

Test fixture fashion with clean dust filter and a dust bag, with a container for collecting the liquid if it is, should be empty. If the appliance only with a Hoses used, then remove the removable nozzle and the hose to expand straight. If the hose with backup appliance is not used at work hose.

Electric drive means is in operation, but not in contact with the ground or any other surface, or the means for closing the intake pipe of the same phase contact.

The electrical load is equal to the average normal load P_r agitating means (e.g., an electric brush) was determined as follows.

--- agitation device operates in compliance with the GB/T 20291-2006 specified in 5.1.1.2 carpet;

--- When using the apparatus in such a manner, the average load measured P_r ;

After setting apparatus according to the manufacturer's instructions, it should produce the highest load in the direction of movement of more than twice the distance of 5m.

--- airflow motor and related work under the same conditions as the measurement P_f , namely. air flow without restrictions, measured after 3min get on;

--- as recommended by the manufacturer, the device is adjusted to accommodate the height of the carpet nap;

--- in the usual manner to be slow moving stirring means over the carpet, to avoid damage to the carpet.

2.101

Used to pump sewage from the appliance.

If the sewage discharge pump typically operates as follows.

Without tipping any sewage discharge pipe in the sewage outlet of the appliance, pump sewage, unless the discharge pipe permanently tipping the appliance. true The motor should be empty during a test operation, unless the interlock is installed to prevent operation of the two electric joint.

3 General requirements

The chapter of GB 4706.1-1998 is applicable.

4 General Conditions Test

The chapter of GB 4706.1-1998 is applicable.

6 Category

GB 4706.1-1998 of this chapter except for the following content, are applicable.

6.1

article replaced by the following.

Protection against electric shock, a vacuum cleaner and accessory devices should belong to class I, II III class or classes.

Carrying appliance for use on the body should belong II III class or classes. Compliance is checked by inspection and relevant tests.

6.2 Addition

Appliance absorbent structure with the function of the cleaning liquid to be foamed and can not penetrate the motor or in contact with live parts. Appliances shall be at least IPX4 provisions of GB 4208-1993. Compliance is checked by inspection and test of 19.101.