

ICS 13.120
CCS K 09



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

GB/T 4706.93-2024

Replacing GB 4706.93-2008

**Safety of household and similar electrical appliances - Part 93:
Particular requirements for wet and dry vacuum cleaners,
including power brush, for commercial use**

家用和类似用途电器的安全 第93部分：商业用湿式和干式真空吸尘器,包括动力
刷的特殊要求

(English Translation)

Issued on: July 24, 2024

Implemented on: August 1, 2026

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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References

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 is Part 93 of GB/T 4706 "Safety of Household and Similar Electrical Appliances". GB/T 4706 has been published as follows part.

--- Part 1: General requirements;

--- Part 2: Particular requirements for electric irons;

--- Part 121: Particular requirements for professional ice cream machines.

This document replaces GB 4706.93-2008 "Safety of household and similar electrical appliances - Industrial and commercial wet and dry vacuum cleaners" Compared with GB 4706.93-2008, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

--- Changed the description of the scope of "motor-driven commercial vacuum cleaners for indoor and outdoor use" to include "backpack vacuum cleaners" Vacuum cleaners with blowing or inflating functions are included in the scope of the standard; at the same time, for those that are suitable for, or not suitable for the product cases in this standard are described in detail (see Chapter 1, Chapter 1 of the 2008 edition);

--- Deleted the relevant content of "sewage discharge pump" normal operation (see 3.101 of the 2008 edition);

--- Added "backpack vacuum cleaner", "harmful dust", "combustible dust", "explosive dust environment", "dust collection device", "central vacuum cleaner" "dust collector", "operator", "test solution", "commercial use" and other terms and definitions (see 3.102, 3.104~3.117);

--- Added general requirements for the safety of equipment operation in "General Requirements", and clarified that "equipment" in "Part 1" of the standard should be included in this part Interpreted as "machine" (see Chapter 4);

--- Added requirements for storage and use of test solutions in "General conditions for testing" (see 5.101);

--- Added waterproof grade requirements for products intended for outdoor use and storage (see 6.2);

--- Added requirements for machine marking content (see 7.1); changed the marking requirement number for power cleaning heads (see 7.1.101, 2008 7.101 of the new version); added requirements for the contents of the instructions for use of machines and power cleaning heads (see 7.12, 7.12.101 to 7.12.104); added Added the requirement of "original instructions for use" (see 7.13); deleted the marking requirement of the outlet socket of the appliance for accessory power supply (see 7.102 of the 2008 edition);

--- Added the conductivity description of water and aqueous detergents (see 8.1, 8.1 of the 2008 edition);

--- Added the requirement for measuring temperature rise when the external accessible surface is relatively flat and allowed to be touched (see 11.3);

Maximum temperature rise limit requirements for external accessible surfaces under normal conditions (see 11.8);

--- Increase the stability requirements of the liquid collector and the composition requirements of the rinse agent (see 15.2); increase the capacity of the power cleaning head water absorption test Dimensional requirements (see 15.101);

--- Add the requirements for abnormal operation of the fan motor, dust collection device and central vacuum cleaner of the central vacuum cleaner (see 19.1, 19.102~19.105); increase the independent fan motor of the unattended dust collection device and the central vacuum cleaner to work until it is stable State requirements (see 19.7);

--- Some notes are changed to the main text (see 19.10, 19.101, 19.10, 19.101 of the 2008 edition);

--- Increased mechanical strength requirements for machines and their components and accessories (see 21.1);

--- Added structural requirements for water suction cleaners (see 22.6); added impact test requirements for central vacuum cleaners (see 22.35); Added requirements that are not applicable to 22.54 (see 22.54); Added requirements that operators use personal protective equipment (PPE) Structural requirements for machines, with closing devices, backpack vacuum cleaner straps and handles, interlock switches, etc. (see 22.103~22.107);

--- Added the requirements for the number of interlock switch operations and the requirement that this item does not apply to central vacuum cleaners (see 24.1.3); Added Requirements for interlocking switches to prevent contact with live parts (see 24.102);

--- Added the specification type of power cord (see 25.7);

--- Added instructions for central vacuum cleaners in 30.2.3 (see 30.2);

--- Added instructions for the use of different types of vacuum cleaners in the appendix (see Chapter 32);

--- Added requirements for appliances powered by rechargeable batteries charged inside the appliance (see Appendix B);

--- Added requirements for appliances powered by non-rechargeable batteries or batteries charged externally to the appliance (see Appendix S);

--- Appendix AA deleted the content applicable to garbage sweepers, deleted the additional requirements for abnormal operation of the machine, deleted the radiation Additional requirements for radiation, toxicity and similar hazards have been added and relevant content has been adjusted (see Appendix AA, Appendix AA of the 2008 edition);

--- Added special requirements for mobile wet (MWF) vacuum cleaners used for rescue and firefighting services (see Appendix GG).

This document is equivalent to IEC 60335-2-69:2016 "Household and similar electrical appliances - Safety - Part 2-69.Commercial wet and Particular requirements for dry vacuum cleaners, including power brushes.

The following minimal editorial changes were made to this document.

--- The name of the standard was changed to "Safety of Household and Similar Electrical Appliances Part 93: Commercial Wet and Dry Vacuum Cleaners, including "Special requirements for power brushes" to enhance the coordination of the standard system.