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

GB/T 4706.96-2024

Replacing GB 4706.96-2008

**Safety of household and similar electrical appliances - Part 96:
Particular requirements for floor treatment machines with or
without traction drive, for commercial use**

家用和类似用途电器的安全 第96部分：商业用带有或不带有牵引驱动的地板处理
机的特殊要求

(English Translation)

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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 96 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 4706.96-2008 "Safety of household and similar electrical appliances - Characteristics of automatic floor treatment machines for commercial and industrial use" Compared with GB 4706.96-2008, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

--- Changed the scope of application, deleted the appliance for cleaning carpets, and changed it to commercial electric passenger cars used on indoor and outdoor floors.

and push-type machines", and made detailed supplementary explanations; added the

description of the traction drive system (see Chapter 1, 2008 Edition Chapter 1 of);

--- Changed the definition of "normal operation" (see 3.1.9, 3.1.9 of the 2008 edition), and deleted the normal operation content of the dry and wet finishing machine (See 3.1.9.102 of the 2008 edition); The definitions of single-seat vehicle and wet cleaning machine have been changed (see 3.104, 3.105, 2008 edition 3.105,3.101);

---Added traction drive, recovery box, parking brake, service brake, operator presence control, guard, operator, vehicle Load, test solution, horizontal surface, inclined plane, maximum cleaning slope, maximum transport slope, built-in charger, internal power supply battery charger, commercial use, low battery voltage, hazardous voltage, battery connector, low battery voltage isolation, etc.

3.101,3.108~3.122);

--- Changed the terms and definitions of walk-behind machines and ride-on machines (see 3.102, 3.103, 3.102, 3.103 of the 2008 edition, 3.104);

--- Deleted the terms and definitions of the person being guided (see 3.106 of the 2008 edition);

--- 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 the requirements for measuring voltage in the general conditions of the test (see 5.8.1); added the test requirements for battery-powered appliances (see 5.17); Added storage and use time limit requirements for working fluid during testing (see 5.101); Added test payload requirements (see 5.102); added test conditions for machines with a single-seat vehicle (see 5.104); added fuel for machines driven by internal combustion engines Material requirements (see 5.105); Deleted the test condition requirements for the equipment loaded with additional weight (see 5.102 of the 2008 edition);

--- Added the electric shock protection category of the machine subdivided according to the DC/AC working voltage (see 6.1);

--- Added marking requirements for the machine body and power cleaning head (see 7.1, 7.1.101, 7.1.102); changed the power cleaning head and electric Clause number for source socket marking requirements (see 7.1.101, 7.1.102, 7.101, 7.102 of the 2008 edition);

--- Added content requirements in the machine instructions (see 7.12); Added vibration information requirements in the instructions (see 7.12.103);

Added the requirement of "original instructions for use" in the instructions for use (see 7.13);

--- Deleted the condition of whether the standard battery is a live part (see 8.1 of the 2008 edition), and the note "Water and water-soluble detergents are considered as conductive

the text of the article was changed from "main text" to "main text" (see 8.1, 8.1 of the 2008 edition), and the description of the electric shock hazard in the BLV circuit and the battery connection were added.

Test requirements for connectors (see 8.1);

--- Added a case where accessible parts are not charged (see 8.1.4);

--- Added access requirements for BLV battery connectors (see 8.1.101);

--- Added the requirement that the machine should only be started by the action of the designated control device (see Chapter 9);

--- Deleted the measurement requirements for power cleaning head input power (see 10.1 of the 2008 edition);

--- Added instructions for not testing the liquid storage tanks of some machines (see 15.2);

--- Changed some notes to the main text (see 19.7, 19.101, 19.7, 19.101 of the 2008 edition); added the abnormal working test of the machine the requirements of the clauses to be met when the equipment can still work normally after inspection (see 19.13);

--- Changed the slope requirements in the stability test (see 20.1, 20.1 of the 2008 edition); added recovery tanks, fuel tanks, and liquid Stability requirements for machines driven by internal combustion engines powered by petroleum gas (see 20.114 to 20.116);

--- Added test requirements for machine parts subjected to mechanical shock (see 21.101);

--- Added structural requirements for pressure hoses, lines and components (see 22.7); deleted the structural requirements for battery-powered appliances (see 22.102~22.104 of the 2008 edition); added the protection requirements for split rims used for pneumatic tires and the structure of protective devices;

Structural requirements, machine design and other device requirements (see 22.111 to 22.124);

--- Added instructions for alternative conductors for internal flexible cords (see 23.102);

--- Increased the requirements and methods for arc resistance of machines (see 24.103);

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

--- Added the requirement for the number of full threads of the terminal that uses threaded screws or bolts to fix the conductive lugs to the terminal board (see 28.101);

--- Added the applicable description of 30.2.2 and 30.2.3 (see 30.2);

--- 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