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

GB/T 38048.4-2024

**Surface cleaning appliances - Part 4: Cordless dry vacuum
cleaners for household or similar use - Methods for measuring
the performance**

(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 4 of GB/T 38048 "Surface Cleaning Appliances". GB/T 38048 has been published in the following parts.

--- Part 1: General requirements for test materials and equipment;

--- Part 2: Performance test methods for dry vacuum cleaners for household and similar purposes;

--- Part 3: Test methods for performance of wet carpet cleaning appliances;

--- Part 4: Performance test methods for cordless dry vacuum cleaners for household and similar purposes.

This document is equivalent to IEC 62885-4:2020 "Surface cleaning appliances - Part 4: Cordless dry vacuum cleaners for household and similar purposes" "Methods for testing device performance".

Introduction

This document is equivalent to IEC 62885-4:2020, which is Part 4 of IEC 62885. IEC 62885 Test Methods for Surface Cleaning Appliances Testing materials and equipment, dry vacuum cleaners, wet carpet cleaners, cordless dry vacuum cleaners, dry cleaning robots and commercial surface cleaners According to the content and numbering rules of IEC 62885, each part will be gradually tested accordingly.

The transformation of the following parts forms the GB/T 38048 series of standards for surface cleaning appliances. GB/T 38048 is intended to consist of the following parts.

--- Part 1: General requirements for test materials and equipment. The purpose is to specify the materials and equipment used for general tests on surface cleaning appliances.

Physical characteristics of equipment, such as test carpets.

--- Part 2: Performance test methods for dry vacuum cleaners for household and similar purposes. The purpose is to specify the performance of dry vacuum cleaners.

Basic performance parameters and test methods.

--- Part 3: Performance test method for wet carpet cleaning appliances. The purpose is to specify the basic performance of wet carpet cleaning appliances Parameters and test methods.

--- Part 4: Performance test methods for cordless dry vacuum cleaners for household and similar purposes.

This document is used in conjunction with Part 2.

--- Part 5: Performance test methods for household and commercial high-pressure cleaners and steam cleaners. The purpose is to specify the performance of high-pressure cleaners Basic performance parameters and test methods of steam cleaners.

--- Part 6: Performance test method for wet hard floor cleaning appliances for household and similar purposes. The purpose is to specify the performance test method for wet hard floor cleaning appliances for household and similar purposes.

Basic performance parameters and test methods of cleaning appliances.

--- Part 7: Performance test methods for dry cleaning robots for household and similar purposes. The purpose is to specify dry cleaning robots Basic performance parameters and

test methods.

--- Part 8: Performance test methods for commercial dry vacuum cleaners. The purpose is to specify the basic Performance parameters and test methods.

--- Part 9: Performance test methods for commercial floor treatment machines with or without traction drive.

Basic performance parameters and test methods for commercial floor treatment machines without traction drive.

This document describes the basic performance parameters and test methods of cordless dry vacuum cleaners for household and similar purposes.

Vacuum cleaner cleaning tests, including dust removal on hard floors, dust removal on hard floors with gaps, dust removal on carpets, and dust removal along walls.

dust, and remove fibers and lint from carpets and decorations, and test the air data of the appliance, performance under dust load, filtration efficiency, etc.

In addition, the performance of the equipment such as motion resistance, the performance of the components, the test materials and equipment, etc.

Regulation.

This document is used in conjunction with GB/T 38048.2-2021. The part marked "applicable" in this document indicates GB/T 38048.2-2021 shall apply to this document; the parts in this document marked as "replace" or "modify" shall be subject to this document; the parts in this document marked as "replace" or "modify" shall be subject to this document the "added" part means that in addition to complying with the corresponding clauses in GB/T 38048.2-2021, it is also necessary to comply with the clauses added in this document.

The terminology item numbers or clause numbers added to this document start from "101".

Surface cleaning tools Part 4: Cordless dry vacuums for household and similar use Vacuum cleaner performance test method

1 Scope

This document applies to the performance testing of cordless dry vacuum cleaners for household and similar use. Results obtained according to this document Intended for comparison with the results for corded vacuum cleaners obtained according to GB/T 38048.2-2021.

The purpose of this document is to specify the basic performance characteristics of cordless dry vacuum cleaners (hereinafter referred to as "cordless vacuum cleaners") that are of concern to users.

properties and describe the test methods for these properties.

Note 1: Due to the influence of environmental conditions, time changes, the source of test materials and the operator's proficiency, when conducting comparative tests on multiple instruments, Most of the test methods specified in this document will give more reliable results when the tests are performed at the same time, in the same laboratory, and by the same operator.

NOTE 2: This document does not apply to corded vacuum cleaners or cleaning robots.

Note 3: Only 5.7.2 and 5.8 of this document apply to cordless hand-held vacuum cleaners.

For safety requirements, see IEC 60335-1 and IEC 60335-2-2.

Appendix B of GB/T 38048.2-2021 provides recommendations on the information provided to consumers at the point of sale.

2 Normative references

This chapter of GB/T 38048.2-2021 is applicable, and the following is added.

GB/T 35758-2017 Measurement method for standby power of household appliances (IEC 62301:2011, IDT) GB/T 38048.2-2021 Surface cleaning appliances Part 2: Performance test methods for dry vacuum cleaners for household and similar purposes Method (IEC 62885-2:2016, IDT)

3 Terms and definitions

The terms and definitions defined in GB/T 38048.2-2021 and the following apply to this document.

3.101

Non-mains powered dry vacuum cleaner.

NOTE: In this document the term "wireless" is equivalent to "battery-powered".

3.102

Fully charged

In accordance with the manufacturer's instructions, the appliance should indicate during the charging process that it no longer needs to be charged (specifically, See 4.6.101) for the status.

3.103

Fully discharged

During use, follow the manufacturer's instructions to indicate the end of the discharge of the device or the state in which the vacuum motor stops rotating, whichever occurs first.