IEC 62929

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

Cleaning robots for household use – Dry-cleaning: Methods of measuring performance

Robots de nettoyage à usage domestique – Nettoyage à sec: Méthodes de mesure de l'aptitude à la fonction

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CLEANING ROBOTS FOR HOUSEHOLD USE – DRY-CLEANING: METHODS OF MEASURING PERFORMANCE

FOREWORD

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International Standard IEC 62929 has been prepared by subcommittee 59F: Surface cleaning appliances, of IEC technical committee 59: Performance of household and similar electrical appliances.

The text of this standard is based on the following documents:

FDIS	Report on voting
59F/258/FDIS	59F/262/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

In this standard, the following print types are used:

– bold for terms defined in Clause 3.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

In addition to the performance measurement methods which are included in this International Standard, a few more performance items have been reviewed and considered. The list of the performance items which have been discussed over time but have not yet been included comprises corner/edge dust pick-up, noise, docking, fall-off prevention, fibre pick-up and emissions.

The performance items which have been left out in this edition will be continuously reviewed and will soon be included in future editions of this standard.

CLEANING ROBOTS FOR HOUSEHOLD USE – DRY-CLEANING: METHODS OF MEASURING PERFORMANCE

1 Scope

This International Standard is applicable to dry cleaning robots for household use in or under conditions similar to those in households.

The purpose of this standard is to specify the essential performance characteristics of dry cleaning robots and to describe methods for measuring these characteristics.

This standard is neither concerned with safety nor with performance requirements.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60312-1:2010, *Vacuum cleaners for household use – Part 1: Dry vacuum cleaners – Methods for measuring the performance*[1]
IEC 60312-1:2010/AMD1:2011

ISO 554, *Standard atmospheres for conditioning and/or testing – Specifications*

ISO 679:2009, *Cement – Test methods – Determination of strength*

ISO 2768-1:1989, *General tolerances -- Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60312-1, as well as the following apply.

3.1
cleaning robot
automatic battery-powered cleaners
automatic floor cleaner that operates autonomously without human intervention within a defined perimeter

Note 1 to entry: The cleaning robot consists of a mobile part and may have a docking station and/or other accessories to assist its operation.

3.2
dry cleaning robot
cleaning robot that is intended to remove only non-liquid material from the floor using by means other than with the aid of solutions or liquids

[1] There is a consolidated edition 1.1 (2011), that includes IEC 60312-1:2010 and its amendment IEC 60312-1:2010/AMD1:2011.