

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Washing machines for household use – Methods for measuring the performance

Machines à laver pour usage domestique – Méthodes de mesure de l'aptitude à la fonction



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**WASHING MACHINES FOR HOUSEHOLD USE –
METHODS FOR MEASURING THE PERFORMANCE**

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This sixth edition cancels and replaces the fifth edition published in 2010 and its Amendment 1:2022. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) Title changed from previous edition to more accurately describe application: "Washing machines for household use – Methods for measuring the performance".
- b) Separation of the test method results from the number of test runs in a test series, with the independence of each test run or test series, allowing different test classes to be evaluated.

- c) Introduction of a new standard powder detergent IEC-P, that substitutes the standard powder detergent IEC-A* by replacing sodium perborate with sodium percarbonate, for a better correlation with market offerings and in line with health/safety recommendations. Introduction of the new standard liquid detergents IEC-L and of the new wool standard detergent IEC-W with associated dosage instructions.
- d) Introduction of new measurement and evaluation methods for:
- i) wool cleaning performance,
 - ii) LAS rinsing performance,
 - iii) gentleness of action,
 - iv) low power mode consumption,
 - v) temperature inside the washload,
 - vi) intermittently recurring functions,
 - vii) cold water washing machines,
 - viii) replacing washing performance by cleaning performance.
- e) Addition of alternative ambient conditions for conditioning of the test load with associated correction factors.
- f) Extension of the description of the washing machine loading, up to and beyond 25 kg of cotton test load, and introduction of a new mixed polyester-cotton load.
- g) Addition of the necessary definitions, measurement, and calculation methods for the evaluation of multi-compartment washing machines.
- h) Relocation of supplementary information to the IEC free-access supporting documents dashboard: reference machine maintenance information, test materials supplier information, expanded uncertainty values and any other pertinent information for the general public.

The text of this International Standard is based on the following documents:

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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- reconfirmed,
- withdrawn, or
- revised.

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