

Australian/New Zealand Standard™

Performance of household electrical appliances—Dishwashers

Part 1: Methods for measuring performance, energy and water consumption



AS/NZS 2007.1:2005

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-015, Quality and Performance of Household Electrical Appliances. It was approved on behalf of the Council of Standards Australia on 29 November 2005 and on behalf of the Council of Standards New Zealand on 9 December 2005. This Standard was published on 22 December 2005.

The following are represented on Committee EL-015:

Australian Consumers' Association
Australian Electrical and Electronic Manufacturers Association
Australian Industry Group
Australian Retailers Association
Business New Zealand
Consumer Electronics Suppliers Association
Consumers' Federation of Australia
Department of Energy, Utilities and Sustainability (NSW)
Department of Industrial Relations (QLD)
Electrical Compliance Testing Association
Energy Efficiency and Conservation Authority of New Zealand
Institution of Professional Engineers New Zealand
National Appliance and Equipment Energy Efficiency Committee
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AS/NZS 2007.1:2005

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appliances—Dishwashers**

**Part 1: Methods for measuring
performance, energy and water
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-015, Quality and Performance of Household Electrical Appliances, to supersede AS/NZS 2007.1:2003, *Performance of household electrical appliances—Dishwashers*, Part 1: *Energy consumption and performance* on publication.

The AS/NZS 2007 series comprises two Parts, as follows:

AS/NZS

- 2007 Performance of household electrical appliances—Dishwashers
- 2007.1 Part 1: Methods for measuring performance, energy and water consumption (this Standard)
- 2007.2 Part 2: Energy efficiency labelling requirements

The Parts of AS/NZS 2007 are summarized as follows:

- (a) *Part 1* Includes performance test procedures and minimum performance criteria for dishwashers.
- (b) *Part 2* Includes algorithms for the calculation of the energy efficiency star rating and projected energy usage, performance requirements, details of the energy label and requirements for the valid application for registration for energy efficiency labelling. It also includes the application form for registration for water efficiency labelling. It has been structured to be suitable for reference in regulatory legislation and to be used in conjunction with Part 1.

The overall objective of the AS/NZS 2007 series is to promote high levels of performance, energy efficiency and water efficiency in electric dishwashers.

This Standard includes a number of requirements from the third edition of IEC 60436, published in February 2004, which will bring this Standard closer to the IEC Standard. It also incorporates the following significant changes in comparison to earlier editions of the Standard.

- (i) Test methods have generally been made more repeatable and reproducible.
- (ii) It is intended to phase out the AS/NZS test load by December 2007, until that date, the AS/NZS test load (without serving utensils and bowls) is allowed as an alternative to the IEC test load in this Standard.
- (iii) A ‘test program’ has been defined and it has been clarified that any program can be tested to this Standard, but the performance requirements in Section 4 only apply to the program recommended for a normally soiled load. The program for a normally soiled load is the program mandated for energy efficiency labelling in AS/NZS 2007.2.
- (iv) Definitions in this Standard are now generally aligned with IEC definitions.
- (v) Program time and cycle time have been added to the definitions.
- (vi) Power measurements on a number of standby modes are now required. Standby modes have been added to the definitions and examples of the types of standby modes have been added in Appendix M.

NOTE: The impact of communication by appliances over a network is under consideration.

- (vii) There are improved instructions regarding the use of the reference machine.

(viii) A recommendation to purchase all test materials from the sources referred to at <http://www.energyrating.gov.au> has been added to minimize variations in test results. These materials will be used for check testing.

A summary of differences between this edition and the IEC 60436 Ed. 3 is included in the Foreword.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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