

AS/NZS 2040.2:2021



Australian/New Zealand Standard™

Performance of household electrical appliances — Clothes washing machines

Part 2: Energy efficiency labelling requirements



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This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-059, Dishwashers, Clothes Washers and Dryers. It was approved on behalf of the Council of Standards Australia on 24 November 2020 and by the New Zealand Standards Approval Board on 03 February 2021.

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The following are represented on Committee EL-059:

- Australian Industry Group
- Business New Zealand
- CHOICE
- Consumer Electronics Suppliers' Association
- Consumers' Federation of Australia
- Department of Agriculture, Water and the Environment (Australian Government)
- Department of Industry, Science, Energy and Resources (Australian Government)
- Electrical Compliance Testing Association of Australia
- Energy Efficiency and Conservation Authority of New Zealand
- Energy Safe Victoria

This Standard was issued in draft form for comment as DR AS/NZS 2040.2:2019.

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Performance of household electrical appliances — Clothes washing machines

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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-059, Dishwashers, Clothes Washers and Dryers, to supersede AS/NZS 2040.2:2005, *Performance of household electrical appliances — Clothes washing machines, Part 2: Energy efficiency labelling requirements*.

The objective of this Standard is to specify the energy efficiency labelling requirements for electric household clothes washing machines that are within the scope of the relevant legislation.

This Standard defines performance and energy efficiency labelling requirements that a household electric clothes washing machines is to meet in order to be supplied in Australia and New Zealand.

This Standard does not specify safety requirements.

The AS/NZS 2040 series comprises two parts, as follows:

AS/NZS 2040.1, *Performance of household electrical appliances — Clothes washing machines, Part 1: Methods for measuring performance, energy and water consumption*

AS/NZS 2040.2, *Performance of household electrical appliances — Clothes washing machines, Part 2: Energy efficiency labelling requirements* (this Standard)

The parts of this series are summarized as follows:

- (a) *Part 1* — Specifies performance test procedures and minimum performance criteria for clothes washing machines.
- (b) *Part 2* — Includes algorithms for the calculation of the energy efficiency star rating and comparative energy consumption, performance requirements, details of the energy rating label and information on the requirements for the valid application for registration for energy efficiency labelling. It also includes information for registration for water efficiency labelling. Part 2 is to be used in conjunction with Part 1.

The overall objective of the AS/NZS 2040 series is to promote high levels of performance, energy efficiency and water efficiency in clothes washing machines.

The main changes in this Standard are as follows:

- (i) Addition of a super-efficiency 10-star label and element alignment with other energy-regulated appliances.
- (ii) Extension of the loading table from 10 kg up to 20 kg, aligning with market offerings and AS/NZS 2040.1, *Performance of household electrical appliances — Clothes washing machines, Part 1: Methods for measuring performance, energy and water consumption*.
- (iii) Definition of multi-compartment clothes washing machines.
- (iv) The test voltage is specified as 230 V.
- (v) The relevant legislation is described.

As documented in ISO 80000-1, *Quantities and units — Part 1: General*, the SI unit for litres may be either “L” or “l”. For the purpose of this document, and in conformance with Australian and New Zealand Standards, “L” is used as the unit for litres.

This Standard has been developed in consultation with regulatory authorities and is intended to be considered with reference to the relevant legislation. This Standard refers to AS/NZS 2040.1 for test procedures. AS/NZS 6400, *Water efficiency products — Rating and labelling*, references this Standard for water efficiency labelling requirements.

When check testing is undertaken, it will be to the relevant legislation to which the model has been registered. Check testing tolerances for all parameters in this Standard (including energy and performance) and details concerning check testing policies and tolerances are available at: www.energyrating.gov.au.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.