

AS/NZS 2442.2:2021



Australian/New Zealand Standard™

Performance of household electrical appliances — Rotary clothes dryers

Part 2: Energy efficiency labelling requirements



AS/NZS 2442.2:2021

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 18 November 2020 and by the New Zealand Standards Approval Board on 03 February 2021.

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- 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

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Australian/New Zealand Standard™

Performance of household electrical appliances — Rotary clothes dryers

Part 2: Energy efficiency labelling requirements

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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 2442.2:2000, *Performance of household electrical appliances — Rotary clothes dryers, Part 2: Energy efficiency labelling requirements*.

This objective of this Standard is to specify the energy efficiency labelling requirements for electric household rotary clothes dryers intended for household and similar use that are within the scope of the relevant legislation.

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

This Standard includes vented and condenser dryers, dryers that use a heat pump as a heat source and the dryer function of combination washer/dryer.

This Standard does not specify safety requirements.

The AS/NZS 2442 series comprises two parts, as follows:

AS/NZS 2442.1, *Performance of household electrical appliances — Rotary clothes dryers, Part 1: Methods for measuring performance, energy and water consumption*

AS/NZS 2442.2, *Performance of household electrical appliances — Rotary clothes dryers, 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 rotary clothes dryers.
- (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 (where applicable). Part 2 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 2442 series is to promote high levels of performance and energy efficiency (and water efficiency where applicable) in rotary clothes dryers.

The main changes to 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 2442.1.
- (iii) The test voltage is specified as 230 V.
- (iv) 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. It refers to AS/NZS 2442.1:2020 for test procedures. AS/NZS 6400, *Water efficient 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) are set out in the relevant legislation. 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.

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Australian/New Zealand Standard

Performance of household electrical appliances — Rotary clothes dryers

Part 2: Energy efficiency labelling requirements

Section 1 Scope and general

1.1 Scope

This Standard specifies the energy efficiency labelling requirements for electric household **rotary clothes dryers** that are within the scope of the **relevant legislation**.

NOTE Examples of appliances covered by this Standard include **vented dryers, condenser dryers** and **dryers** that use a **heat pump** as a heat source and the drying function of **combination washer/dryer units**.

In particular, this Standard specifies the following:

- (a) **Program for energy efficiency labelling** and water efficiency labelling (where applicable).
- (b) **Comparative energy consumption (CEC)**.
- (c) **Star rating** for energy efficiency labelling.
- (d) **Energy rating label** requirements.
- (e) Performance criteria.
- (f) Content, format and affixing requirements for **rotary clothes dryer energy rating labels**.
- (g) Test report content, example for the application for **registration** for energy efficiency labelling and water efficiency labelling.
- (h) Details concerning appliance **registration** with the relevant regulator.

1.2 Application

This Standard **shall** be read in conjunction with AS/NZS 2442.1.

1.3 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document:

NOTE Documents referenced for informative purposes are listed in the Bibliography.

AS 2706, *Numerical values — Rounding and interpretation of limiting values*

AS/NZS 2442.1, *Performance of household electrical appliances — Rotary clothes dryers, Part 1: Methods for measuring performance, energy and water consumption*

AS/NZS 60335.1, *Household and similar electrical appliances — Safety, Part 1: General requirements (IEC 60335-1 Ed 5.2, MOD)*

1.4 Terms and definitions

For the purposes of this Standard the definitions below apply.

NOTE The following defined terms are bolded in this Standard.