

Dishwashers

How to meet energy efficiency regulation requirements

Dishwashers sold or hired in New Zealand must, by law, comply with [mandatory energy performance labelling \(MEPL\)](#) requirements. This document outlines the requirements and how to meet them if you import or manufacture dishwashers in New Zealand.

Why have MEPL for dishwashers?

Mandatory energy performance labelling (MEPL) enables customers to compare and select more efficient dishwasher models, saving on running costs and reducing greenhouse gas emissions over the life of the product.

Which dishwashers are included?

MEPL covers mains electric dishwashers, intended for household and similar use.

What do I need to do to comply with the law?

Importers and manufacturers of dishwashers, are required to:

- **Step-1** Ensure each dishwasher model has been tested to **AS/NZS 2007.1:2005**.
- **Step-2** Supply or attach the energy performance label on each model as specified in **AS/NZS 2007.2:2005**.
- **Step-3** Register each dishwasher model through the energy rating website.
- **Step-4** Provide EECA with product sales, import and export data each year.

Retailers are required to check their products are registered on the [energy rating website](#); and display the energy performance label on products on display for sale or hire.

See the questions and answers below for more information

Which dishwashers are excluded?

MEPL does **not** apply to dishwashers specifically designed for commercial use.

Which standards apply?

AS/NZS 2007.2:2005: Performance of household electrical appliances—Dishwashers—Part 2: Energy efficiency labelling requirements.

AS/NZS 2007.1:2005: Performance of household electrical appliances—Dishwashers—Part 1: Methods for measuring performance, energy and water consumption.

Standards are available for purchase from www.standards.co.nz and for inspection at [EECA's head office](#).

How are energy levels calculated for dishwashers?

The energy performance label shows a star rating and the estimated annual energy consumption of the model. These are calculated from the Projected Annual Energy Consumption (PAEC).

To determine the PAEC the dishwasher is required to be tested to **AS/NZS 2007.1:2005** to determine the average energy consumption per warm wash load program cycle, including post program operation (kWh) and standby power consumption (W). The PAEC is then calculated assuming 7 load cycles per week and standby for the remainder of the time. The star rating is then derived from the PAEC.

What are the MEPL requirements for dishwashers?

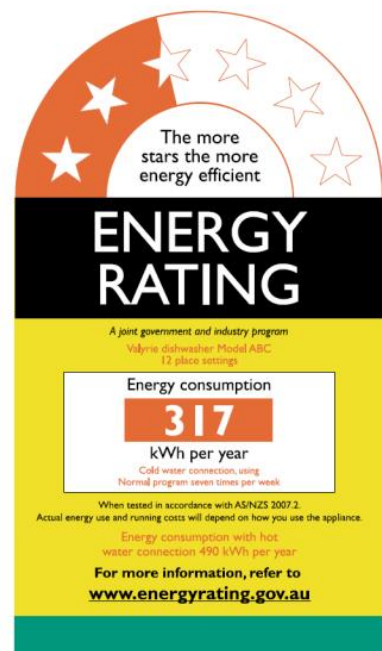
Dishwashers must be provided with an energy rating label as shown to the right.

For details on the energy rating label see **AS/NZS 2007.2:2005**. Standards are available for purchase from Standards New Zealand and for inspection at [EECA's head office](#).

A template of this label can be downloaded from the [energy rating website](#). For more information on MEPL for dishwashers see **AS/NZS 2007.2:2005**.

Retailers must check that dishwashers are registered and display their energy performance label.

See the [running costs calculator](#) to find out how a choosing a high star rating can reduce the cost to run a dishwasher.



How do I register a dishwasher on the energy rating website?

If the dishwasher you are about to register is already registered you are not required to register it. To check, search for the model at:

reg.energyrating.gov.au/comparator/product_types.

If it is not already registered download our quick start guide at:

<https://www.eeca.govt.nz/assets/Resources-EECA/product-registration-guide-may-2011.pdf>.

If you haven't used the energyrating.gov.au website before, follow these instructions:

Step 1 Open the registration page: reg.energyrating.gov.au/accounts/register.

Step 2 Create an account and log in.

Step 3 Create an applicant, add contact people etc. as required.

Step 4 Create a new product registration (you will need a test report).

Step 5 Select 'Dishwasher (DW)'.

Step 6 Follow the steps until all fields are complete.

Step 7 Once submitted you will be e-mailed a Registration ID. Record this as you will need it to provide sales data each year.

Note: A range of dishwasher models, manufactured in multiple styles, may be registered as a product "family" if the family definition (below) is met.

What is a family of models?

A range of dishwasher models of one brand, for which a single set of test reports is applicable and where each of the models has the same relevant physical characteristics, comparative energy consumption, star rating index and performance characteristics.

What information do I need to provide to EECA each year and how do I do it?

Importers and manufacturers are required, by law, to provide statistical information on sales, import and export data annually to EECA.

Data needs to be submitted every year by 1 August, for the period 1 April to 31 March. For example, data from 1 April 2013 to 31 March 2014 must be received by 1 August 2014. The information is submitted through the EECA website where you need to:

Step 1 Request a user account at <https://www.eeca.govt.nz/forms/request-a-user-account/>

Step 2 Once approved, log in on the EECA website <https://www.eeca.govt.nz>

Step 3 When logged in follow the links and instructions for the EECA sales data return tool.

Step 4 Enter your product data - you will need your Registration ID number - the following information is required for each registered model:

- Sales in New Zealand between 1 April and 31 March.
- Imports into New Zealand between 1 April and 31 March.
- Exports from New Zealand between 1 April and 31 March.

Can I use the 10 star energy rating label?

From November 2015, it is acceptable to use the 10 star energy rating label on highly efficient dishwashers. The labelling requirements for clothes washers are those set out in section 2 and 5 of AS/NZS 2007.2:2005 with the following modifications:

Part 1 of Schedule 2 of the Australian Determination applies instead of sub clause 1.5.8 and clause 2.7;

Part 3 of Schedule 2 of the Determination applies instead of the requirements in clause 5.1 of AS/NZS 2007.2:2005.

Where a star rating of 7 stars or more is derived from the star rating index, the labelling requirements are either:

- the requirements specified in sections 2, 5 and Appendix B of AS/NZS 2007.2:2005 as if the star rating were deemed to be 6 stars; or
- the requirements specified in Part 2 of Schedule 2 of the Determination for 7 stars or more.

These changes will be incorporated into New Zealand regulations in a future revision.

What is ENERGY STAR®?

The voluntary, internationally endorsed, [ENERGY STAR®](#) mark is available for dishwashers. This mark enables consumers to quickly identify an energy efficient model. Check out how to become an [ENERGY STAR® Partner](#).

Where do I get additional information?

More information about regulated products and how to meet your legal obligations can be found at <https://www.eeca.govt.nz/standards-ratings-and-labels/equipment-energy-efficiency-programme/>.

See the Australian Determination for details on registering dishwashers with 10 star energy rating labels www.energyrating.gov.au/legislation-for-e3-under-gems

See the [running costs calculator](#) to find out how choosing a higher star rating can reduce the running costs of products.

There is also information on the energy rating website at www.energyrating.gov.au.

If you have any questions, please email us at compliance@eeca.govt.nz, or phone EECA on **0800 358 676**.