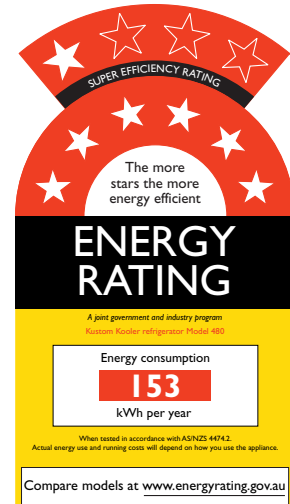
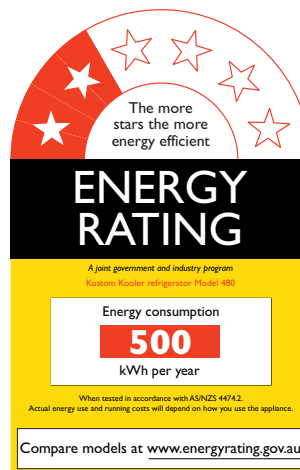
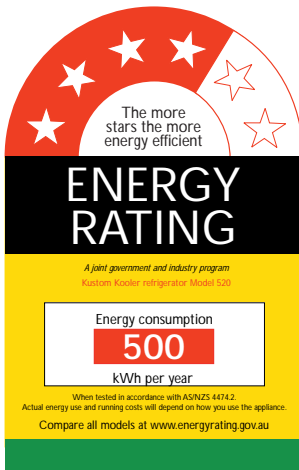


# Transitional Arrangements Refrigerators and Freezers 2009 - 2010

## Minimum Energy Performance Standards (MEPS) and Energy Labelling



### Dates

New MEPS and energy labelling requirements for refrigerators and freezers come into force on 1 April 2010 with transitional arrangements from 1 October 2009.

While the appearance and dimensions of the labels will be similar the revised algorithm will reduce the number of stars on the label for the same energy consumption. Once a rating exceeds 6 stars an additional crown will be added to accommodate 10 stars for super efficient appliances.

#### 1 OCTOBER 2009

From this date, regulators will only accept registrations against the new standard AS/NZS4474.2:2009.

#### 1 APRIL 2010

New energy star rating labelling will be based on the revised algorithms specified in AS/NZS4474.2:2009.

All products must be tested for energy consumption based on the test methods required by the standard AS/NZS4474.1:2007.

All products manufactured or imported from 1 April 2010 have to be registered to the new standard (see registration requirements below).

### Standards Availability

Full details of these labelling requirements and an explanation of products covered are provided in the standard "Performance of household electrical appliances – Refrigeration appliances – Energy Consumption and Performance" AS/NZS4474.2:2009. Details on the relevant methods of rating and testing are published in AS/NZS4474.1:2007. These are available from:

- > Standards Australia – [www.standards.com.au](http://www.standards.com.au)
- > Standards New Zealand – [www.standards.co.nz](http://www.standards.co.nz)
- > SAI Global – [www.saiglobal.com](http://www.saiglobal.com)

### Inclusions

The scope of the standard covers vapour compression refrigeration appliances that can be connected to mains power and which are within the scope of AS/NZS4474.1:2007 for testing and AS/NZS4474.2:2009 for labelling and MEPS.

### Exclusions

The following products are excluded from the scope of AS/NZS4474.2:2009:

- a) Products that are designed exclusively for use in caravans, vehicles (e.g. mobile homes, campervans and/or rail cars) or boats and which have a total gross volume of less than 60 litres.

- b) Portable products that have a gross volume of less than 30 litres.
- c) Products that have a gross volume of less than 30 litres where the refrigeration function is secondary (e.g. boiling or cooled water dispensers).
- d) Products that have no options for connection to a 230 V or 400 V 50 Hz mains electricity supply.
- e) Products that cool using technologies other than the vapour compression cycle.

There are special requirements regarding MEPS and labelling for wine storage cabinets – the standard should be consulted for details.

### New Regulatory Requirements

The revised MEPS requirements and the updated star rating algorithm for energy labelling are covered in AS/NZS4474.2:2009.

The changes to the regulatory requirements include:

- > A change to the definition of MEPS from model average energy, to a maximum permitted energy for any model.
- > A new Energy Rating label design.
- > A new algorithm (set of equations) for calculating star rating.
- > A tighter tolerance (7.5%) will be applied to energy label validity during check testing.



## Testing Changes

The 2007 edition of the test method AS/NZS4474.1 is now mandatory for all registrations. Key improvements include:

- > The introduction of a number of anti-circumvention provisions in the test (so product control software cannot be programmed to give a result that is optimised for the test only).
- > Changes to the way compartment temperatures are measured during test in order to encourage minimisation of temperature rises during defrost.
- > New requirements to deal with small and unusually shaped compartments.
- > A large number of technical refinements regarding testing and setup – these are summarised in the preface of the standard.

## Registration Requirements

Any refrigerator or freezer within the scope of AS/NZS4474.2:2009 which is legally registered to the previous standard and imported into, or manufactured in Australia and New Zealand prior to 1 April 2010 may be held in stock and sold beyond this date without the need to reregister.

All products imported or manufactured after 1 April 2010 must hold a valid registration to AS/NZS4474.2:2009.

## Registration Process Requirements

- > Registration of each model or family of models within the scope of AS/NZS4474.2:2009.
- > Payment of the registration fee in Australia of:
  - o \$150 per model/family (in NSW, QLD and SA)
  - o \$284.90 in VIC
  - o Listing is free in New Zealand

A supplier/product registration with any one of the Australian regulators is sufficient for a refrigerator or freezer within the MEPS and labelling program to be legally sold in both Australia and New Zealand.

Where registration takes place in New Zealand, the refrigerator or freezer can only be legally sold in Australia if manufactured in New Zealand, or imported directly into New Zealand, and then exported to Australia.

Registrations to the revised standard are available online.

All products are registered online at [www.energyrating.gov.au](http://www.energyrating.gov.au).

## Compliance Testing

Regulatory Authorities have commissioned external contractors to undertake regular ongoing audits of retail outlets to ensure that products are correctly labelled and are registered for MEPS with one of the Australian states or New Zealand. Any cases of non compliance are referred to regulators for further action.

Verification testing (checktests) by independent National Australian Test Authority accredited laboratories may be commissioned by regulators to see whether refrigerators and freezers are in compliance with MEPS and energy labelling requirements.

The checktest process comprises an initial screen test, paid for by the Government. If the unit complies with MEPS no further action is taken. If the unit fails, the supplier has the option of:

- > choosing to request cancellation of the registration, or
- > verification testing of up to three randomly selected units at the supplier's cost.

Full details of this process are contained in the Administrative Guidelines available from [www.energyrating.gov.au/admin-guidelines.html](http://www.energyrating.gov.au/admin-guidelines.html).

## Regulatory Contacts

State and New Zealand contacts for MEPS applications are:

### NSW

Department of Water and Energy,  
Level 17, 227 Elizabeth Street  
Sydney NSW 2000  
(PO Box 3889, Sydney NSW 2001)

Tel +61 2 8281 7706  
Fax +61 2 8281 7750

[energylabelling@dwe.nsw.gov.au](mailto:energylabelling@dwe.nsw.gov.au)  
Website: [www.dwe.nsw.gov.au](http://www.dwe.nsw.gov.au)

### Queensland

Electrical Safety Office,  
Department of Industrial Relations, LMB 2234  
Brisbane QLD 4001.

Tel +61 7 3237 0280  
Fax +61 7 3406 3808

[equipmentsafety@dir.qld.gov.au](mailto:equipmentsafety@dir.qld.gov.au)  
Website: [www.eso.qld.gov.au](http://www.eso.qld.gov.au)

### South Australia

Energy Labelling Section,  
Office of the Technical Regulator  
Level 8, 11 Waymouth Street  
Adelaide SA 5000  
(PO Box 1 Walkerville SA 5081).

Tel 08 8226 5530  
Fax 08 8226 5529

[robert.anderson@saugov.sa.gov.au](mailto:robert.anderson@saugov.sa.gov.au)  
Website: [www.technicalregulator.sa.gov.au](http://www.technicalregulator.sa.gov.au)

### Victoria

Equipment Efficiency  
Section Energy Safe Victoria  
PO Box 262  
Collins Street West VIC 8007

Tel 03 9203 9700  
Fax 03 9686 2197

[energyefficiency@esv.vic.gov.au](mailto:energyefficiency@esv.vic.gov.au)  
Website: [www.esv.vic.gov.au](http://www.esv.vic.gov.au)

### New Zealand

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Website: [www.eeca.govt.nz](http://www.eeca.govt.nz)