

Air Conditioners (heat pumps)

New Regulations Information Sheet



(Image shown is for illustration purposes only)

Air conditioners (which include heat pumps) that are sold, leased or hired in New Zealand must, by law, comply with [Minimum Energy Performance Standards \(MEPS\)](#) requirements. This document outlines the new air conditioner/heat pump regulatory requirements that will come into force on 1 April 2020, and how to meet them if you import or manufacture air conditioners and/or heat pumps in New Zealand¹.

¹ Where the term 'air conditioners' is used in this document, it implies that heat pumps are included.

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What you need to know first?

The new regulations come into effect in New Zealand on 1 April 2020. Up to this date, you must either:

- Meet the current regulation requirements, or
- Meet the new regulation requirements voluntarily.

After 1 April 2020, the new regulations will become mandatory and all air conditioners will have to meet the new requirements.

Our information sheet on the current regulation for air conditioners can be found here: <https://www.eeca.govt.nz/assets/Resources-EECA/standards-ratings-labels/product-factsheets/Air-conditioners-and-heat-pumps.pdf>

To understand the new regulation requirements, please read the rest of this document.

What are the main differences between the current and new regulation?

- There is a new label, called the Zoned Energy Rating Label (ZERL)
- Cooling MEPS levels have increased in NZ to mirror Australian MEPS levels
- Single and double duct portable air conditioning units are included
- Test methods and requirements for all regulated product classes have changed significantly
- Registration of multi-split units air conditioning has changed

What is the same between the old and new regulations?

- MEPS is assessed in the same way, but with new test standards
- You must still provide sales data annually. To see the requirements of providing sales data please see: <https://www.eeca.govt.nz/assets/Resources-EECA/standards-ratings-labels/product-factsheets/Air-conditioners-and-heat-pumps.pdf>
- You must still register your models before sales commence

Which standards and regulations apply?

New Regulations

The new NZ regulations are currently being drafted, but will have the same scope as the Australian regulations:

<https://www.legislation.gov.au/Details/F2019L00490>

The only exception are the labeling requirements which differ between NZ and Australia. In NZ there are no requirements for online labeling.

Current Regulations

Energy Efficiency (Energy Using Products) Regulations 2002:

<http://www.legislation.govt.nz/regulation/public/2002/0009/latest/DLM108730.html#DLM109302>

Which air conditioners are excluded from the new regulation?

MEPS and labelling do **not** apply to:

- close controlled air conditioners within the scope of AS/NZS 4965 and chillers within the scope of AS/NZS 4776, or
- ground-water-sourced and ground-loop-sourced air conditioners as defined in AS/NZS 3823.1.3, or
- unbalanced air conditioners and spot coolers (these include some portable types), or
- air conditioners specifically designed and sold only for installation in mobile applications such as caravans, mobile homes, campervans, boats and rail cars, or

Labelling does not apply to non-ducted single split single phase air conditioners that meet the following criteria:

- designed for non-residential applications, and not on display for sale through retail outlets, and not promoted in any catalogue or advertising material that could be interpreted as suitable for some residential applications.

Which air conditioners are included in the new regulation?

The new regulations covers air conditioners that use the vapour compression cycle and are:

- Single and/or three phase, and
- Ducted and/or non-ducted , and
- Single-split or multi-split, and
- Have a cooling capacity less than or equal to 65 kW.
- Portable units are now included.

Regulation labelling covers air conditioners that are:

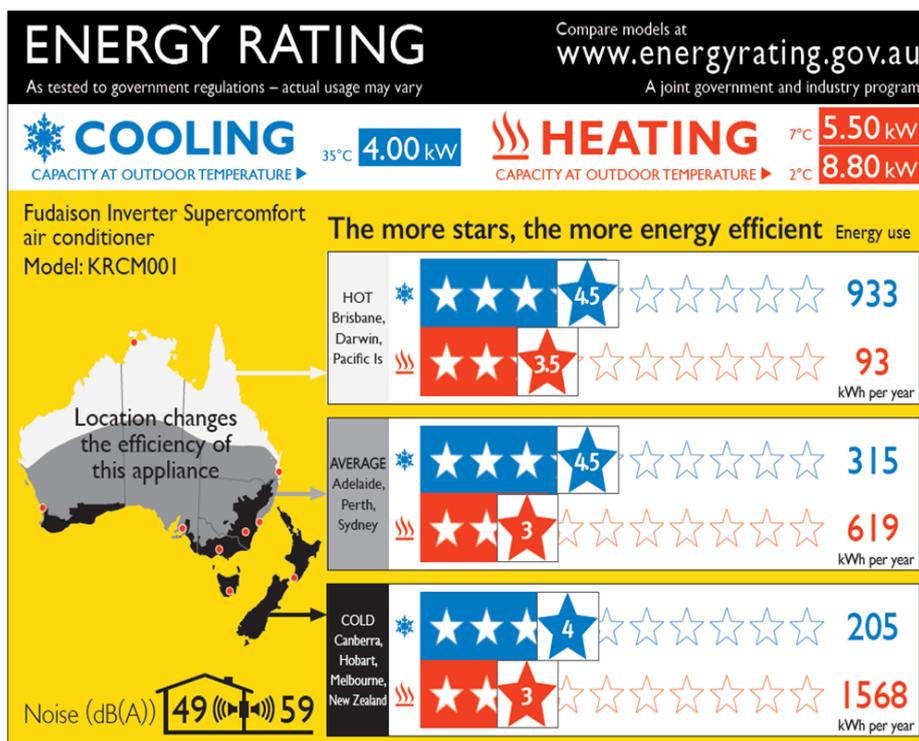
- Single phase, and
- Single-split, or
- Portable

What is the new label?

Note: Each product sold must have a label either attached to the product or in the box the product is sold in.

Air conditioners registered to the new regulations **must** be sold with a Zoned Energy Rating Label (ZERL) as shown below. The label is obtained through the online registration system when a product is registered: <https://reg.energyrating.gov.au/accounts/login/>

The new label has three climate zones (hot, average, and cold). New Zealand is one zone on the label (Cold). The new label displays the energy consumption for heating and cooling in kWh, and noise levels of indoor and outdoor units.



How do you display the Zoned Energy Rating Label?

The label must be attached so it is not obscured when the air conditioner is being displayed. The label shall be attached to the front of the air conditioner to ensure it is clearly visible to consumers at point of sale. **The product must only display the new ZERL if registered to the new regulations.**

For legal requirements of labels, please see section 7 of the regulations:

<http://www.legislation.govt.nz/regulation/public/2002/0009/latest/DLM108778.html>

Changes to the registration system?

Products are still registered through the energy rating website:

<https://reg.energyrating.gov.au/accounts/login/?next=>

To register a product to the current regulations or understand how to register a product please see:

<https://www.eeca.govt.nz/assets/Resources-EECA/standards-ratings-labels/product-factsheets/Air-conditioners-and-heat-pumps.pdf>

There is now 5 different options when registering a product:

- AS/NZS 3823.2:2013 [Multi-Split]
- AS/NZS 3823.2:2013 [Non Multi-Split]
- [SEER Non Multi-Split <=65kW] (Air Conditioners up to 65kW) 2019
- [Unitary Single-Duct] (Air Conditioners up to 65kW) 2019
- [SEER Multi-Split <=65kW] (Air Conditioners up to 65kW) 2019

The first two options are to register under the current regulations, the last 3 are to register to the new requirements.

What if I want to import air conditioners and sell them in both Australia and New Zealand?

This information sheet applies to New Zealand only. If you wish to import and sell an air conditioner in both Australia and New Zealand then the product must be registered in Australia. The air conditioner needs to meet the MEPS and MEPL requirements outlined by the Greenhouse Energy Emission Standard (GEMS) Determinations. Information on the GEMS Determinations can be found here:

<https://www.legislation.gov.au/Details/F2013L01672>

Where do I get additional information?

More information about regulated products and how to meet your legal obligations can be found at www.eeca.govt.nz/product-standards.

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.