



WHO REGULATES THIS PROGRAMME?

In New Zealand, the Energy Efficiency and Conservation Authority (EECA) is responsible for administering Energy Rating Labels and Minimum Energy Performance Standards.

EECA works with the Australian regulators in maintaining the integrity of the programme via a joint check testing regime – verifying product claims.

WHO IS EECA?

EECA is the Crown entity responsible for encouraging, supporting and promoting the uptake of energy efficiency initiatives and renewable energy.

For more information about EECA's Energy Efficiency Products Programme or our other activities visit www.eeca.govt.nz.



ELECTRIC MOTORS

EECA CONTACTS

Regulations Administrator
Energy Efficiency and Conservation Authority

PO Box 388
Level 1, 44 The Terrace, Wellington
Phone +64 4 470 2200
Fax +64 4 499 5330
E-mail: regs@eeca.govt.nz

www.eeca.govt.nz

Energy efficiency regulations:

Electric Motors

JUNE 2006



Energy Efficiency and
Conservation Authority
Te Tari Tiaki Pūngao

Improving energy choices



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Energy efficiency regulations:

Are you looking for a new motor?



WHEN IT COMES TO ENERGY EFFICIENCY, ONLY THE BEST WILL DO. NEW ZEALAND NOW HAS SOME OF THE BEST ENERGY EFFICIENCY STANDARDS FOR THREE PHASE ELECTRIC MOTORS IN THE WORLD.

The government introduced Minimum Energy Performance Standards (MEPS) for three phase electric motors in 2002 to remove the most energy inefficient models from the market.

To lift standards to a new level the MEPS for three phase electric motors will increase on or around 6 June 2006, when only models that meet the new MEPS may be sold. The standard applies to motors between 0.73 and up to but not including 185kW capacity.

After the regulations come into force products imported that do not meet the new standard will not be able to be sold in New Zealand.

MEPS DOESN'T APPLY TO ALL MOTORS

Motors that do not need to comply with MEPS include:

- motors normally submersed in a liquid
- motors integral with the equipment, that cannot be separated e.g. some gear motors
- motors that run on different speeds by using switchgear to reconfigure the connection of windings (variable or multi-speed motors)
- motors rated for short duty applications such as hoists and roller doors
- rewind motors (except where the supplier claims it meets one of the efficiency levels in the standard)
- motors granted exemption by EECA due to key design aspects.

HOW WILL I KNOW IF A MOTOR COMPLIES?

A motor from the European Union that displays an 'EFF1' label meets the new minimum standard.



The five minute quality check you can't afford to miss

To check on a model on www.energyrating.gov.au click:

- Search and compare appliances
- Three phase electric motors
- Select Brand

For more details please see our website www.eeca.govt.nz

WHAT IS ENERGY EFFICIENCY?

It's all about doing more with the same amount of energy, or doing the same amount with less energy. Energy efficiency is increasingly important around the world, because power is often difficult and expensive to generate.

MEPS is important for all businesses involved in motors. By choosing products which have met the standard, you and your clients can easily make your business more energy efficient, without sacrificing performance.

Over time businesses will save money on their power bills, and will be helping bring New Zealand into a more energy efficient, sustainable future.

MINIMUM ENERGY PERFORMANCE STANDARDS (MEPS)

MEPS require three phase electric motors to meet specified minimum energy performance levels when tested under standard conditions. If you are an importer or manufacturer you must ensure that your product is registered on www.energyrating.gov.au.

** Registering a product in New Zealand is slightly different to Australia, as we charge no fee and do not always require a sample label or sample test report.*

