



CRITERIA for REFRIGERATORS AND/OR FREEZERS



NEW ZEALAND

Below are the product criteria for ENERGY STAR qualified refrigerators and/or freezers.

A product must meet all of the identified programme requirements if it is to be registered for the New Zealand ENERGY STAR programme and labelled ENERGY STAR by the manufacturer.

1) **QUALIFYING PRODUCTS:** All groups of domestic refrigerators and freezers as defined in AS/NZS 4474.1 that meet the Minimum SRI specified are eligible for ENERGY STAR.

2) **ENERGY STAR Criteria:**

The ENERGY STAR criteria are given in the following table:

Product Group	Minimum SRI
Group 1 Refrigerator , no frozen food storage, automatic defrost	2.0
Group 2 Refrigerator , with or without ice making compartment, manual defrost	1.5
Group 3 Refrigerator , short or long term frozen food storage, manual defrost	1.4
Group 4 Refrigerator/freezer , cyclic defrost fresh food, freezer manual defrost	3.3
Group 5B Refrigerator/freezer , bottom freezer, frost free	2.15
Group 5S Refrigerator/freezer , side by side, frost free	2.1
Group 5T Refrigerator/freezer , top freezer, frost free	2.8
Group 6C Freezer , chest	3.0
Group 6U Freezer , upright, not frost free	2.5
Group 7 Freezer , upright, frost free	1.6

3) **STAR RATING INDEX (SRI):** is an indication of the claimed energy efficiency of a model. A higher SRI indicates higher energy efficiency. It is derived from energy consumption data obtained when the product is tested, as below.

For the purpose of these criteria the SRI shall be calculated using the attached 'Star Rating Index calculation method'.

4) **TEST STANDARD:** Refrigerators and/or freezers must be tested to AS/NZS 4474.1:2007. However, when calculating the SRI to meet the above criteria, products currently registered for MEPS and labelling using AS/NZS 4474.1.1997 may use those test results.

5) **EFFECTIVE DATE:** The effective date of this criteria is 1 May 2008. A manufacturer has one year after signing the Partnership Agreement to ensure that the ENERGY STAR label appears directly on at least one ENERGY STAR qualified refrigerator and/or freezer model.

6) **COUNTRIES VALID IN:** This specification applies to qualifying products that are sold in New Zealand.

7) **FUTURE CRITERIA REVISIONS:** EECA reserves the right to change the criterion should technological and/or market changes affect its usefulness to consumers, industry, or the environment. Keeping with current policy, industry/stakeholder discussions determine revisions to the criteria.

NOTE: The algorithms used to calculate the Star Rating Index to establish if a product meets the ENERGY STAR qualifying criteria are included in the proposed revision to AS/NZS 4474.2 which is intended to be published in the latter half of 2008.