

Why appliance labelling?

Energy efficient products have an important role to play in the environmental sustainability of South Africa. Electricity production contributes a significant portion of greenhouse gas emissions world-wide. European studies indicate that an average refrigerator, through its electricity consumption, generates a volume of Carbon Dioxide (CO²) equivalent to its loading capacity, each day. An energy efficient refrigerator decreases the consumption of electricity and thus the generation of CO² emissions into the atmosphere.

How do consumers save?

When purchasing an appliance, the two major costs to consider are the purchase price (capital cost) and the operating, or running, cost. Over its life, a major appliance will consume hundreds, even thousands of Rands worth of electricity. South African consumers, on purchasing a refrigerator, will now be able to judge the energy efficiency of the appliance and take this into consideration when comparing the lifecycle costs of similar products.

How much do consumers save?

The more energy efficient the product, the more consumers save. The average running cost of the appliance can be found by multiplying the kWh consumption on the energy label by the **energy charge in terms of the electricity tariff applicable in a particular town or municipality.**

Remember that the bigger the capacity of the appliance, the higher the energy consumption will be. And the colder the storage temperature, the higher the energy consumption will be.

Actual savings will, of course, depend on how you use the product. You can also save money by securely closing the refrigerator door, every time you open or close the door; checking that the seal closes well; and ensuring that fridges and freezers are installed away from cookers and other sources of heat in accordance with the manufacturer's advice.

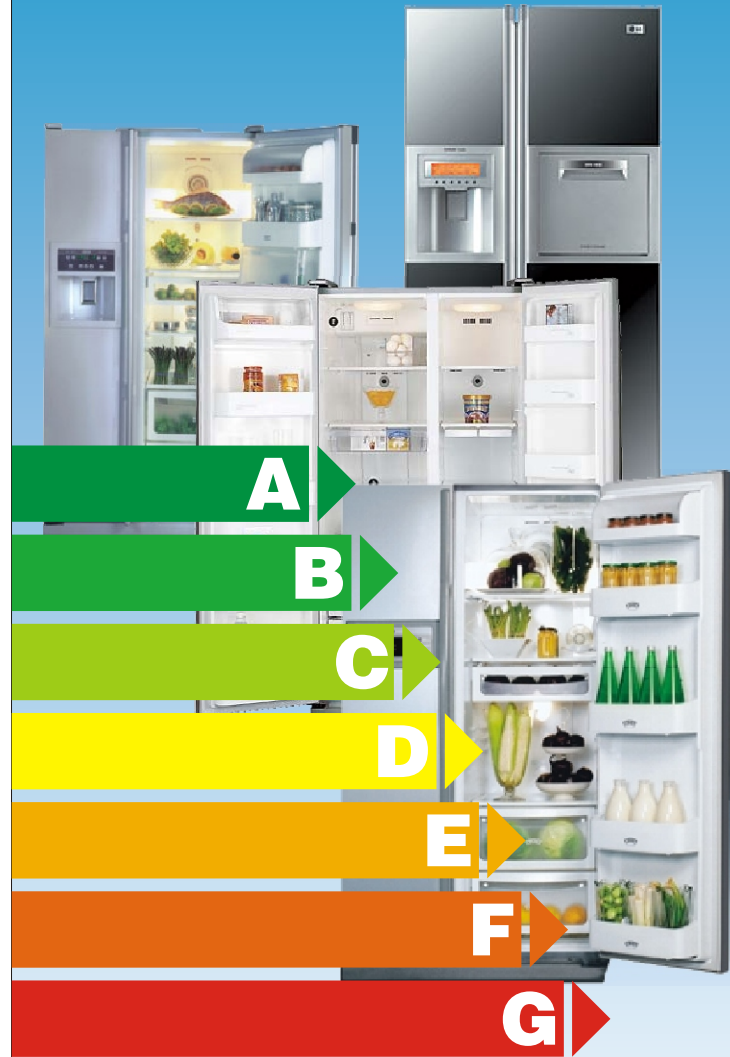
For more information

The energy label forms part of the 'Appliance Labelling Programme', an energy efficiency initiative by the Department of Minerals and Energy.

For more information, visit the Department of Minerals and Energy website www.dme.gov.za

Appliance Labelling an energy efficiency initiative

BY THE DEPARTMENT OF MINERALS AND ENERGY

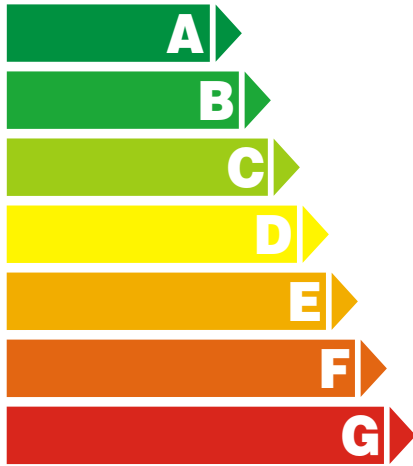


What does South Africa's new energy efficiency label tell us?

Energy

Manufacturer
Model

More efficient



Less efficient

Energy Consumption kWh/year

(Based on standard test results for 24 hrs)

Actual energy consumption will depend on how the appliance is used and where it is located.

Fresh food volume ℓ

Frozen food volume ℓ

Noise (Optional)

(dB(A) re 1 pW)

Further information is contained in product brochures.



SANS 5155
SANS 7371
SANS 8187

Manufacturer and Model

The upper part of the label gives details of the make and model of the refrigerator/freezer.

Efficiency Class (A to G)

All refrigeration appliances are rated on a scale of A to G.

Category	Relative Energy
A	Under 55%
B	Under 65%
C	Under 75%
D	Under 100%
E	Under 110%
F	Under 125%
G	Over 125%

Appliances in the A category have the lowest average energy consumption and are therefore the most energy efficient appliances.

The black arrow in the right indicates the precise rating of the appliance on the A to G scale and allows it to be compared with other similar appliances on the market.

An A category appliance will generally use less than half the energy of a G category appliance of the same type

Energy Consumption Per Annum

The Annual Energy Consumption is calculated in such a way as to make individual types of appliances directly comparable.

The calculation uses the results of an internationally accepted test methodology, to determine the typical average daily energy consumption, which is then multiplied by 365 days, to derive at an average annual energy consumption figure.

The Annual Energy Consumption is given in kWh per year (1kWh is equivalent to a 1 kW heater being switched on for an hour or, alternatively, to ten 100W light-bulbs switched on for an hour).

Storage Volume

The energy label states the net fresh and frozen food volumes (in litres), of the appliance.

Noise Level

Noise level figures are optional. The figures are complex and really only provided for a technical audience.