

Can I work out the cost to operate the appliance in the Cayman Islands?

Yes, you can! Follow the steps below to find the annual energy consumption of a product, as well as the cost to operate it.

1

STEP 1

Find the number of hours per day an appliance runs

There are two ways to do this:

- Guess a rough estimate
- Keep a log

If you know how much you use an appliance, you can estimate the number of hours it runs. Or it may be better for you to keep a usage log for a day or two.

2

STEP 2

Find the wattage of the product

The wattage of most appliances is usually stamped on the bottom or back of the appliance, or on its nameplate.

3

STEP 3

Find the daily energy consumption

$(\text{Wattage} \times \text{Hours Used Per Day}) \div 1000$
= **Daily Kilowatt-Hour (kWh) Consumption**

STEP 4

Find the annual energy consumption

Daily kWh Consumption
 \times Number of Days Used Per Year
= **Annual Energy Consumption**

5

STEP 5

Find the annual cost to run the appliance

Annual Energy Consumption
 \times Utility Rate Per kWh



How can I calculate the running cost of an appliance in the Cayman Islands?

The formula for determining the running cost of an appliance in Grand Cayman is:

**ANNUAL ENERGY CONSUMPTION \times \$0.22 PER KWH
= ANNUAL COST TO RUN APPLIANCE.**

The running costs for Cayman Brac and Little Cayman would be slightly higher than Grand Cayman.

This guide was brought to you by Energy Cayman, the Ministry of Commerce, Planning and Infrastructure's 12-month public education campaign to embed energy efficient knowledge and good practice into the Cayman community. This has been launched to help meet the goals in the National Energy Policy, which includes 70% of electricity generation from renewable sources by 2037.

For more information about how we can help you to be energy efficient visit www.energy.gov.ky or follow us on social media.



**ENERGY
CAYMAN**
A National Energy Policy Initiative

How to Use Less and Save More

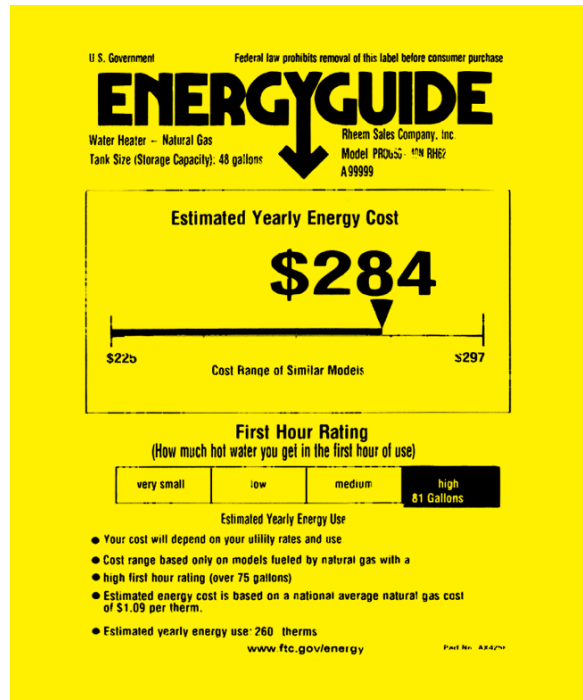
A guide to choosing energy
efficient home appliances.



**Cayman Islands
Government**



Have you ever seen this label and wondered what it means?



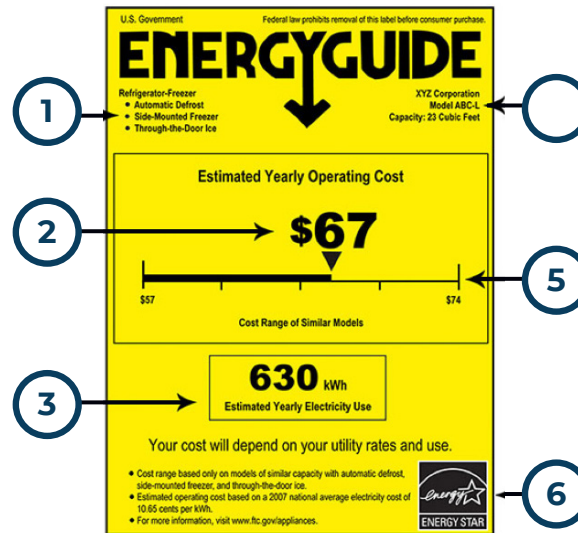
The yellow label on most electrical appliances is an **EnergyGuide label**. Manufacturers are required to put an **EnergyGuide label** on appliances that details how much energy they use compared to similar models, and how much you can expect to pay to run them. The **EnergyGuide label** is always yellow, located on or inside the appliance, and shouldn't be hard to find.

What does it mean to you?

When you're shopping for a new appliance, you should look for the **EnergyGuide label**. It tells how much energy an appliance uses and makes it easier to compare the energy use of similar models. The more energy efficient an appliance, the less it costs to run, and the lower your utility bills should be. It will also help cut reduce CO2 emissions in the Cayman Islands.

What does all of the data on the EnergyGuide label mean?

The diagram below gives a breakdown of what each element of the label means.



- 1 The key features of the appliance and similar models.
- 2 Cost estimate to run the appliance for a year based on the electricity use and the average national energy rate.
- 3 An estimate of how much electricity the appliance will use in a year based on typical use.
- 5 The range of the operating costs for other appliances with similar features.
- 6 The appearance of the ENERGY STAR logo indicates that the product uses less energy than other standard models.

Which are the most important parts?

The monetary figure in the middle of the label is the estimated yearly operating cost. This is important to help provide an estimate of the cost to run the appliance. Be aware this is likely shown in US dollars based on the average cost of electricity in the US. To estimate the cost in Grand Cayman in CI dollars, multiply the Estimated Yearly Electricity Use shown at the bottom of label in kWh by \$0.22/kwh, the estimated cost of electricity in Grand Cayman. The scale indicates the average cost of similar models. The further down the scale the arrow is pointing, the cheaper that appliance is to run, in comparison to similar models.

Are all EnergyGuide labels the same?

While small differences may occur depending on the type of appliance, all **EnergyGuide labels** have similar information which can be used to compare energy consumption across appliances. Appliances that are rated with updated energy efficiency tests have labels with bright yellow numbers. Other appliances have the original style labels with black numbers as shown.

