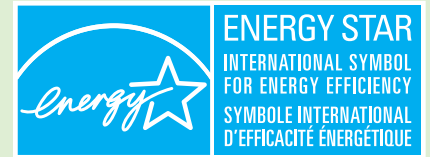




Major Appliances

Updated January 2010



When Canadians want to save energy and money and help the environment, they look for the ENERGY STAR® symbol to identify energy-efficient products.

Major appliances are one of the biggest energy users in a typical Canadian home. That's why more Canadians are looking for the ENERGY STAR symbol when shopping for new appliances.

ENERGY STAR is the symbol for energy efficiency for many products in Canada and the world. Major household appliances that qualify for the ENERGY STAR symbol save consumers money because they use less energy than conventional products while offering the same or better performance. From an environmental perspective, improving energy efficiency reduces greenhouse gases that contribute to climate change.

DID YOU KNOW?

A 2008 ENERGY STAR qualified refrigerator uses about one quarter of the energy used by a refrigerator made in 1984.

Don't lose these energy savings by using your old refrigerator in the basement or garage.

How do appliances qualify for the ENERGY STAR symbol?

In Canada, the ENERGY STAR symbol can be used to promote the sale of qualifying models

of four types of appliances – clothes washers, refrigerators and freezers, dishwashers and bottled-water coolers. Consult the ENERGY STAR listings for qualified models.

To qualify:

- ▶ Residential clothes washers and residential-style commercial clothes washers must have a modified energy factor of 50.97 L/kWh per cycle or greater and a maximum water factor (WF) of 1.0 L/cycle/L. The modified energy factor of an appliance takes into account the amount of energy used by the dryer to remove the remaining moisture content in the clothes. To achieve this target, a clothes washer must have advanced design features that deliver cleaning performance using less water and energy.
- ▶ Standard-sized refrigerators must be at least 20 percent and standard-sized freezers must be at least 10 percent more efficient than the minimum federal standard in Canada's *Energy Efficiency Regulations*. Compact refrigerators and freezers must achieve energy efficiency levels that are at least 20 percent higher than the minimum regulated standard in Canada. These appliances typically have a more energy-efficient compressor and better insulation than conventional models.
- ▶ Standard-sized dishwashers must have a maximum total annual energy consumption (TAEC) of 324 kWh/year and a maximum WF of 21.96 L/cycle. Compact dishwashers must have a maximum TAEC of 234 kWh/year and a maximum WF of 15.14 L/cycle. Dishwashers must exceed the minimum federal standard in Canada's Regulations by at least 9 percent.

APPLIANCES



Many ENERGY STAR labelled dishwashers use “smart sensors” that adjust the wash cycle and the amount of water to match how much cleaning the dishes need. They may also have an internal heater to boost the temperature of incoming water.

- ▶ Water coolers that dispense cold water only or cold and room-temperature water must have a standby energy consumption of no more than 0.16 kWh per day. (Standby energy refers to the energy required to maintain the water at an appropriate dispensing temperature. Water coolers that dispense hot and cold water must have a standby energy consumption of no more than 1.20 kWh per day.

Manufacturers of appliances who are not already enrolled in the ENERGY STAR program in the United States and who wish to use the ENERGY STAR symbol in Canada must sign an administrative arrangement with Natural Resources Canada’s (NRCan’s) Office of Energy Efficiency (OEE) and certify that the product or products to be labelled meet ENERGY STAR specifications. Manufacturers of ENERGY STAR labelled products that qualify in Canada and those that are enrolled in the U.S. ENERGY STAR program must supply NRCan with a Canadian contact if they wish to benefit from NRCan’s marketing and promotional activities.

Availability of ENERGY STAR labelled appliances

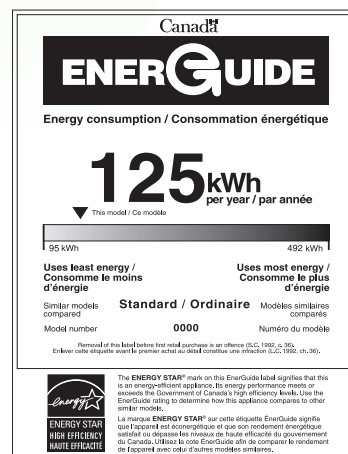
Many appliances sold in Canada now show the ENERGY STAR symbol on the product, on its packaging or in its literature. The *EnerGuide Appliance Directory* also lists products that have high efficiency levels. The Directory is available on the OEE’s Web site or through the toll-free publications line (see contact information at right).

The ENERGY STAR Initiative in Canada has increased demand for, and availability of, ENERGY STAR labelled clothes washers, refrigerators and freezers, dishwashers and bottled-water coolers across Canada.

ENERGY STAR and EnerGuide

ENERGY STAR is promoted in conjunction with Canada’s EnerGuide rating system for appliances, whose goal is to help consumers save money and help the environment.

Although the EnerGuide label provides buyers with the information they need to compare the energy consumption of different products, ENERGY STAR goes a step further by identifying the most energy-efficient models on the market. In some cases (e.g. refrigerators), the ENERGY STAR symbol may appear on the EnerGuide label.



For more information on ENERGY STAR in Canada, visit the Web site at energystar.nrcan.gc.ca, or to order ENERGY STAR publications, call the publications line at 1-800-387-2000 (toll-free).

For other free publications, write to

Energy Publications

Office of Energy Efficiency
 Natural Resources Canada
 c/o St. Joseph Communications
 Order Processing Unit
 1165 Kenaston Street
 PO Box 9809 Station T
 Ottawa ON K1G 6S1
 Fax: 613-740-3114
 TTY: 613-996-4397 (teletype for the hearing-impaired)



Natural Resources Canada’s Office of Energy Efficiency
Leading Canadians to Energy Efficiency at Home, at Work and on the Road

