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# SAVE ENERGY

# SAVE MONEY!

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[www.energystar.gov/consumer.html](http://www.energystar.gov/consumer.html)

## What's an Energy Star® Product?

NORDYNE, the manufacturer of heating and cooling systems bringing you quality brands including Frigidaire, Tappan, Westinghouse, Philco, Kelvinator and Gibson, became a partner in the Energy Star HVAC (heating, ventilation, air conditioning) program at its implementation in 1995. The Energy Star program is a voluntary labeling program lead by the Environmental Protection Agency (EPA) and the Department of Energy. Product literature with this label meet the Energy Star requirements because the product features efficiency ratings beyond the standard rate.



For the consumer, this could mean savings on monthly gas and electric utilities. Several factors are involved in calculating energy savings, including the region of the country the home resides, the direction the home faces, how many windows the home has and its age, etc. These factors help determine the most beneficial heating and/or cooling system available to the consumer.

**That is why we recommend an on-line visit to the Energy Star web site and checking out their home improvement tool box and savings calculators.**

Consumers can determine their home's energy performance, as well as identify areas of improvement and recommendations for curing existing energy problems they may be experiencing. The tools are easy to use and simply guide the user through a series of home-related questions.

**This document helps the consumer and dealer gather the necessary data to use the on-line calculators and tools.**

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# Calculate Energy Savings Using Easy On-Line Tool.

## BEFORE YOU START:

Before you get on-line you will need to know some information about the heating and/or cooling products being compared.

**A. Use the information outlined on the facing page to gather the data before going on-line.** Each product requires different information.

- Form "A" is for a Heat Pump
- Form "B" is for a Air Conditioner
- Form "C" is for Furnaces

**B. Gather product information.** Our dealers can provide you with the product information required to perform the calculations and compare an Energy Star rated product with the minimal standard efficiency product.

**C. What are your fuel prices?** You will need this information to perform calculations. This information should be available on your utility bills. [If it is not, you can get the information when you are on-line in the Home Improvement Tool Area (Instructions on page 4, Tool B.)

### Fill the appropriate utility information:

1. Electricity \$ \_\_\_\_\_ / kWh\*
2. Piped Natural Gas \$ \_\_\_\_\_/therm or 100 cubic foot
3. Liquid Propane Gas \$ \_\_\_\_\_/gallon
4. Fuel Oil \$ \_\_\_\_\_/ gallon

\* The electric kilowatt data field is required for all products (☞ see graphic for screen location).

**D. If your utility company offers discount rates** for higher efficiency products, enter that data in the discount field (☞ see graphic for screen location.) Based on the discount information, the tool can calculate your return on investment as well as energy savings.



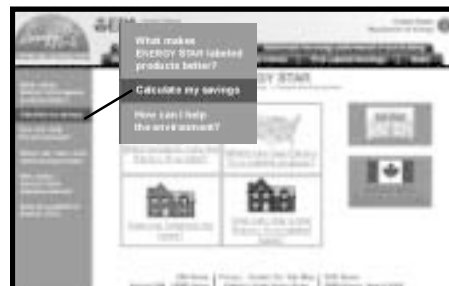
**E. If your utility company does not offer a discount rate, or you do not know,** enter 0 (zero); the calculation results will only include the energy savings, and the non-applicable fields will fill with \$NaN.

**F. Climate region data is available on line.** The climate regions are referenced below the on-line form, under "notes" (✉ see graphic for screen location). Look for your state abbreviation and area of the state you reside if state is listed in multiple areas. There are 7 heating regions for heating products and 12 regions for cooling products.

**G. Once data is completed your are ready to go on-line:**

[www.energystar.gov/consumer.html](http://www.energystar.gov/consumer.html)

1. Click on "Calculate My Savings"



2. Choose a "qualifying product" from the list. Select the proper heating cooling product :

- Air Source Heat Pump
- Central Air Conditioner
- Furnaces



3. Use the information you gathered in this form and enter into the on-line screens.

4. When completed, click on "calculate."

5. For your record, print out your results.

6. Repeat process for additional product calculations.

### A. Heat Pump Screen Sample

How much can I save on air source heat pumps?

INPUT AREA



## A. Air-Source Heat Pumps Information

Number of units \_\_\_\_\_

Heat pump capacity (Btu/h) \_\_\_\_\_

Heating Seasonal Performance Factor (HSPF):

\_\_\_\_\_ (Energy Star product rating) \_\_\_\_\_ (Non-Energy Star product rating)

Heating climate region\*\* \_\_\_\_\_ (fill in from on line chart)

Seasonal Energy Efficiency Ratio (SEER) rating:

\_\_\_\_\_ (Energy Star product rating) \_\_\_\_\_ (Non-Energy Star product rating)

Cooling climate region\*\* \_\_\_\_\_

Initial cost per unit \$ \_\_\_\_\_ (Energy Star) \$ \_\_\_\_\_ (Non-Energy Star)

Use with programmable thermostat? Yes No

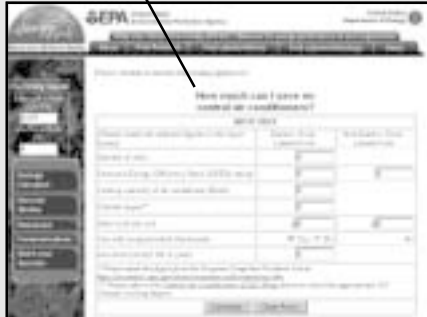
Assumed product life in years \_\_\_\_\_

\*\* Climate region data available on line

### B. AC Screen Sample

How much can I save on central air conditioners?

INPUT AREA



## B. Air Conditioner

Number of units \_\_\_\_\_

Seasonal Energy Efficiency Ratio (SEER) rating:

\_\_\_\_\_ (Energy Star product rating) \_\_\_\_\_ (Non-Energy Star product rating)

Cooling capacity (Btu/h) \_\_\_\_\_

Cooling climate region\*\* \_\_\_\_\_

Initial cost per unit \$ \_\_\_\_\_ (Energy Star) \$ \_\_\_\_\_ (Non-Energy Star)

Use with programmable thermostat? Yes No

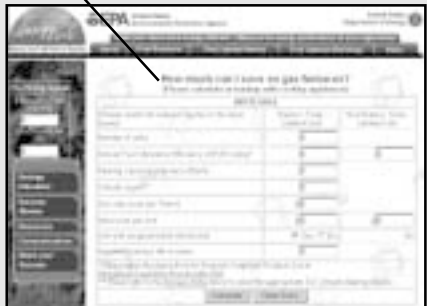
Assumed product life in years \_\_\_\_\_

\*\* Climate region data available on line

### C. Furnace Screen Sample

How much can I save on gas furnaces?  
(Please calculate in tandem with cooling appliances)

INPUT AREA



## C. Furnaces

Number of units \_\_\_\_\_

Annual Fuel Utilization Efficiency (AFUE) rating:

\_\_\_\_\_ (Energy Star product rating) \_\_\_\_\_ (Non-Energy Star product rating)

Heating capacity of furnace (Btu/h) \_\_\_\_\_

Climate region\*\* \_\_\_\_\_

Gas rate (cost per Therm) \$ \_\_\_\_\_

Initial cost per unit \$ \_\_\_\_\_ (Energy Star) \$ \_\_\_\_\_ (Non-Energy Star)

Use with programmable thermostat? Yes No

Assumed product life in years \_\_\_\_\_

\*\* Climate region data available on line

# Compare Your Home's Energy Performance On-Line

## TOOLS

### A. The ENERGY STAR Home Performance

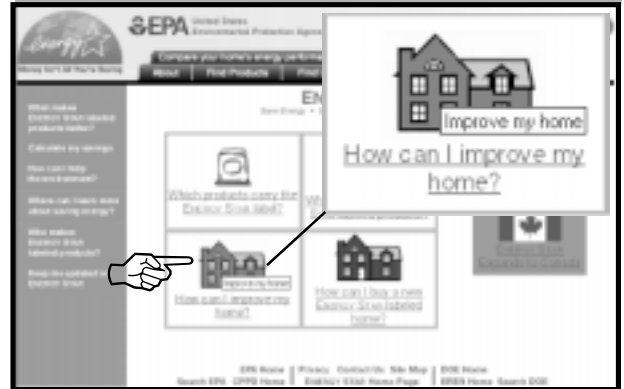
**Benchmark tool** will compare your home to others after adjusting for size, age, location, and the number of people living in it. *Please note: The Benchmark can only be applied to single-family attached and detached homes in the continental US. To use this tool, you must know the square footage of your home and your annual energy usage (see your gas and/or electric bills for 12 months, or call your utility company(s) and ask for your twelve month usage from January to December).*

**B. The ENERGY STAR Home Improvement tool** is driven by zip code, and compares your home against the average home energy consumption. You can also get utility rates here by entering the zip code. Click on submit and the utility will then populate data into the fields relevant to your area code. Scroll down to find your utility information.

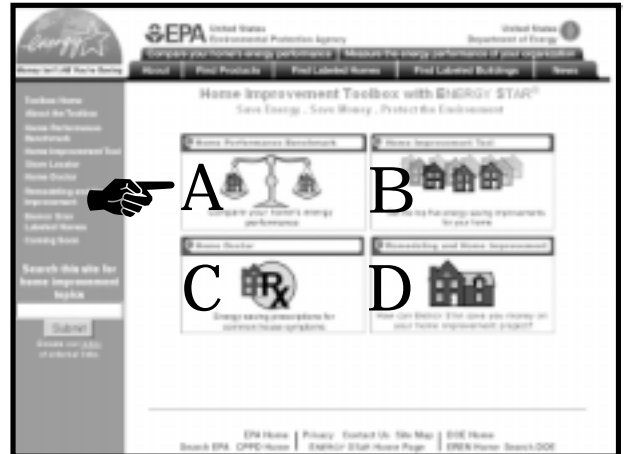
**C. The ENERGY STAR Home Doctor tool** prescribes solutions to the most common symptoms such as high energy bills, drafts, mold, mildew, dust, cold/hot rooms, cold floors, moisture in windows, etc.

**D. The ENERGY STAR Home Remodeling tool** reviews every room and makes energy saving recommendations to implement as you remodel your home, or build a new home.

(Start at [www.energystar.gov/consumer.hstml](http://www.energystar.gov/consumer.hstml))



1. Click on this graphic to enter tool area.



2. Click on any of these graphics to access the various tools. The letters reference the tool description in the left hand column.

To learn more about our heating and cooling products, visit us at [www.nordyne.com](http://www.nordyne.com)

FRIGIDAIRE  
Heating and Cooling Products

TAPPAN  
Heating and Cooling Products

Westinghouse

8-YEAR  
WARRANTY

If you have a heat exchanger or compressor failure in the first five years of ownership, we will replace the entire unit. Some conditions apply on split-system units. Ask your Frigidaire or Tappan dealer for more detail.

Kelvinator  
Heating and Cooling Products

6-YEAR  
WARRANTY

PHILCO  
Heating and Cooling Products

Gibson  
Heating and Cooling Products

5-YEAR  
WARRANTY