



## **EU Energy Labeling**

Printing Labels that Comply with  
EU Directive 2010/30/EU

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## Overview

As of July 31st, 2011, most European light bulb packaging, cars and major appliances must have an EU Energy Label clearly displayed when offered for sale or rent, in accordance with Directive 2010/30/EU. The energy efficiency of the item is rated as a set of energy efficiency classes from A+++ to D or G that appear on the label. "A+++ " indicates the most energy efficient, "G" the least efficient. Pictograms may be used in place of words to allow manufacturers to make their labeling understandable for products sold in different countries.

BarTender® provides easily configurable EU Energy label templates that help you meet these energy labeling requirements and produce consistent, compliant labeling throughout your industry.



## Steps to Implement EU Energy-Compliant Labeling

BarTender installs a set of 12 sample configurable Directive 2010/30/EU-compliant label documents and 12 corresponding sample data files into the folder:

Documents\BarTender\BarTender Documents\EU Energy Labels

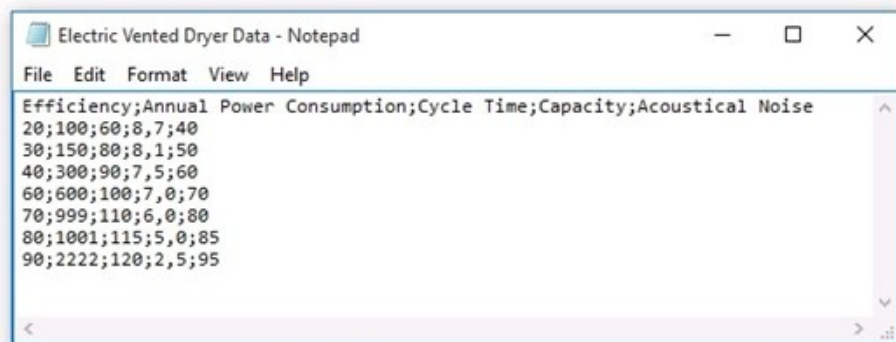
BarTender provides sample templates for each of the following appliance types:

- Dishwasher
- Electric Condenser Dryer
- Electric Vented Dryer
- Refrigerator: 7 energy classes (A+++ - D)
- Refrigerator: 10 energy classes (A+++ - G)
- Gas Dryer
- Television: A rating
- Television: A+ rating
- Television: A++ rating
- Television: A+++ rating
- Washing Machine
- Wine Storage Appliance

### Prepare the Database

Each sample document is automatically populated with data from the corresponding sample data file. In order to work correctly, we suggest that you stay connected to this sample file and modify the data inside to match your own data. To modify the sample data:

1. Open the sample data file you will use in the text editor of your choice.
2. Making no changes to the first row (the field names), replace the sample data in the subsequent rows with actual data for your label.



**NOTE:** Instead of using the sample file, you can connect the sample document to your own database file. Should you choose to do this, make sure that the column headings match the ones in the sample text file so that any database links are maintained when you print your document.

For more information on using databases, refer to the following BarTender help topics:

- [Reading Data from Databases](#)

## Modify the Label Size

According to EU Energy regulations, the label must be at least 110mm wide and 220mm tall. You can print the label in a larger size, but its content must stay proportionate to the size listed above. If you wish to change the size of the label:

1. Use BarTender to open the .btw file you want from Documents\BarTender\BarTender Documents\EU Energy Labels.
2. From the **File** menu, select **Page Setup** to open the **Page Setup** dialog.
3. On the **Layout** tab, set the desired template (or label) size.
4. Click **OK** to close the **Page Setup** dialog.

## Add Supplier's Name/Trademark and Model Identifier

The Directive 2010/30/EU states that the supplier's name or trademark and the model identifier must be placed between the banner at the top of the label and the energy efficiency arrows. It should fit in a space 92mm wide by 15mm tall.

To add this information, place one or more text boxes in this region of the template.
























## About Languages












BarTender has features that allow you to define the language used in your templates for many different languages. However, the standardization of EU Energy labels eliminates the need for language configuration in this format, because most information is presented via pictograms. The corresponding data for the pictograms is presented in numeric and metric form, which is recognized across Europe.

For more information, refer to [Appendix: EU Energy Pictograms](#).

## Appendix: EU Energy Pictograms

Symbol	Description	Appliance Type
	Noise emission in decibels	Refrigerators, Wine storage appliances, Dishwashers, Tumble dryers, Vacuum cleaners, Range hoods
	Annual water usage	Dishwashers, Washing machines
	Sum of storage volume of all storage compartments without a star-rating	Refrigerators
	Sum of storage volume of all frozen-food storage compartments	Refrigerators
	Sum of wine storage volume	Wine storage appliances
	Rated capacity in kg, for the standard cotton program at full load	Washing machines, Tumble dryers
	Spin-drying efficiency class	Washing machines
	Noise emissions in decibels during the wash cycle for standard 60 degree C cotton program at full load	Washing machines
	Noise emissions in decibels during the spin cycle for standard 60 degree C cotton program at full load	Washing machines
	Drying efficiency class	Dishwashers

	Capacity in standard place settings	Dishwashers
	Availability of a hard switch off position	Televisions
	Size of visible screen diagonal in inches and centimeters	Televisions
	Noise emission in decibels - indoors	Air conditioners, Water heaters
	Noise emission in decibels - outdoors	Air conditioners, Water heaters
	SCOP (Seasonal Coefficient of Performance) indicates heating with a red fan and air wave	Air conditioners
	SEER (Seasonal Energy Efficiency Ratio) indicates cooling with a blue fan and air wave	Air conditioners
	Air-vented electric tumble drier	Tumble dryers
	Condenser tumble drier	Tumble dryers
	Gas-fired tumble drier	Tumble dryers
	Cycle time for the standard cotton program at full load	Tumble dryers

	Condensation efficiency class	Condenser tumble driers
	Savings potential for water heaters that are able to work during off-peak hours	Water heaters
	Gas-fired oven	Ovens
	Electric oven	Ovens
	Usable volume of the oven cavity	Ovens
	Energy consumption per cycle for the heating function(s) of a conventional oven based on a standard load	Ovens
	Energy consumption per cycle for the heating function(s) of a forced-air convection oven based on a standard load	Ovens
	Fluid dynamic efficiency class	Range hoods
	Lighting efficiency class	Range hoods
	Grease filtering efficiency class	Range hoods
	European map with a display of three indicative heating seasons: used with corresponding color squares	Air conditioners, Water heaters



Vacuum cleaner pictogram



## Related Documentation

### External Documentation

To learn more, please visit The European Commission website at <http://ec.europa.eu>.

- Energy labels (WEB)  
<http://europa.eu/youreurope/business/environment/energy-labels>
- Directive 2010/30/EU (PDF)  
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:153:0001:0012:EN:PDF>

