

## ENERGY RELATED PRODUCTS (ErP) DIRECTIVE

**T**HE ErP DIRECTIVE has been designed to aid the EU in achieving reductions in energy usage: carbon, NO<sub>x</sub> and SO<sub>2</sub> emissions and other environmental issues such as noise and the use of refrigerants in heat pumps. The Directive is also designed to help consumers identify the most energy efficient products on the market via energy efficiency labelling. The Directive affects all space and water heaters, ensuring they meet minimum efficiency requirements, and require the same type of energy efficiency labels as fridges, freezers and the like.

**Since the 26th September 2015**, boiler manufacturers and installers have had to ensure that the products they use and the systems they commission, meet the minimum requirements within ErP.

With the exception of Warm Air Units, most central space and water heating products are required to have an energy label, already familiar on other white goods such as A+++ rated dishwashers/washing machines, and manufacturers will only be able to sell compliant products after 26th September 2015 (Figure 1 shows an example of a typical energy label).

Low-rated water heating products (such as those which might be rated in bands F or G) will not be permitted under the new Directive.

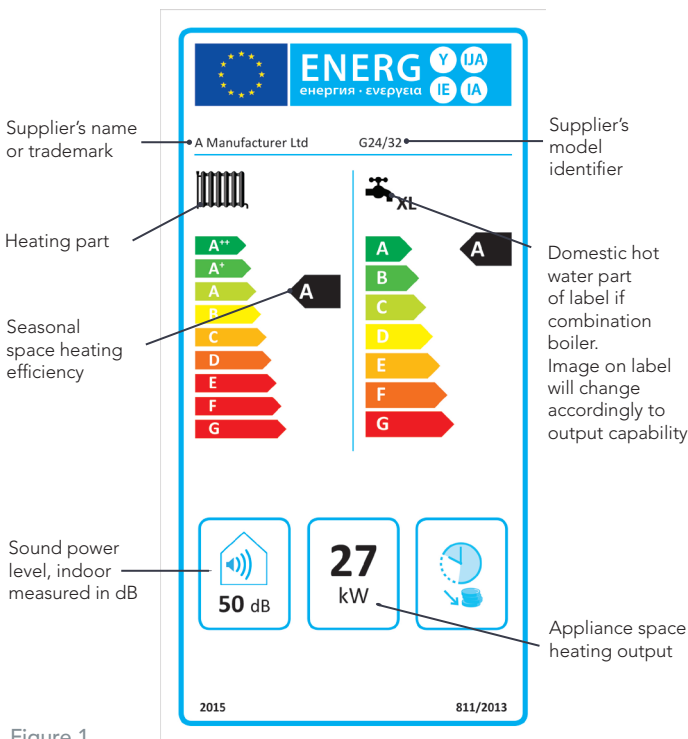


Figure 1

Manufacturers are responsible for ensuring their products have compliant energy labelling while the installer will be responsible for providing the energy labelling for a complete heating system. The installer will need to calculate a system efficiency figure, based on the different components of the system (boiler, controls, renewables, etc.), which will then be added to the energy efficiency label to complete the installation.

Many manufacturers will provide a facility that will help the installer complete the required labelling. Alternatively, and where the installer has the required information, visit – <http://eepf-energylabelgenerator.eu/en/eepf-labels> – to freely generate the required label which is downloadable as a pdf.

The ErP Directive has been divided into four types of Regulations:

1. Ecodesign for space heaters and combination heaters (heating products with a rated output of up to 400 kW).
2. Energy labelling for space heaters and combination heaters (products with a rated output of up to 70 kW).

For both Regulations 1 and 2, the heaters covered are:

- ❖ Space heaters (other than heat pumps)
  - ❖ Heat pump space heaters
  - ❖ Heat pump space heaters with fuel-driven combustion unit
  - ❖ Combination heaters (other than heat pumps)
  - ❖ Heat pump combination heaters
  - ❖ Heat pump combination heaters with fuel-driven combustion units.
3. Ecodesign for water heaters and hot water storage tanks (for water heaters with a rated output equal to or below 400 kW, and storage tanks with a storage volume of up to 2000 litres).
  4. Energy labelling for water heaters and hot water storage tanks (for water heaters with a rated output equal to or below 70 kW, and storage tanks with a volume of up to 500 litres).

For both Regulations 3 and 4, the products covered are:

- ❖ Water heaters (other than heat pumps)
- ❖ Storage water heaters (other than heat pumps)
- ❖ Heat pump water heaters
- ❖ Heat pump storage water heaters
- ❖ Heat pump water heaters with fuel-driven combustion units
- ❖ Heat pump storage water heaters with fuel-driven combustion units
- ❖ Hot water storage tanks.

Biomass and gas or liquid fuels derived from biomass are excluded from these Regulations.

