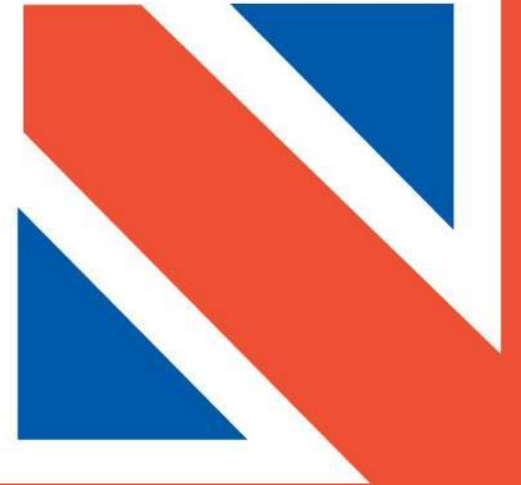


ErP: An Installers Guide

Understanding & complying with ErP Directives for
Ground Source Heat Pumps



Britain's No. 1 manufacturer & supplier of ground source heat pumps



Chapter 1: What is ErP?

What is ErP?



ErP stands for:

Energy-related Products.”

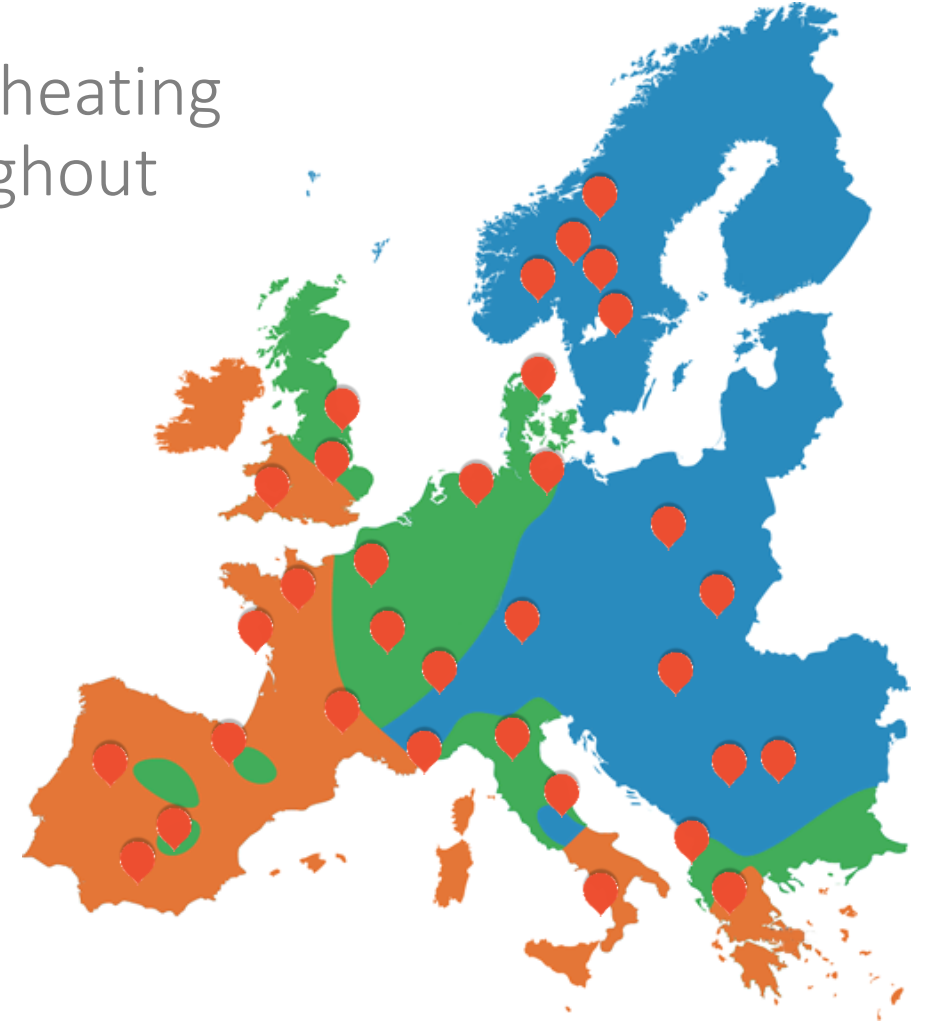
What is ErP?

- From 26th September 2015 under EU regulations heat pumps are required by law to have labels to show their energy performance as an individual product, and as an overall heating system.
- All new heat pumps (ASHP & GSHP), boilers and water heaters must comply with ErP by law.

*Effective from the
26th September 2015*

What is ErP?

- ErP applies to all residential and commercial heating products on the market, and installed, throughout Europe.





What are ErP's goals?

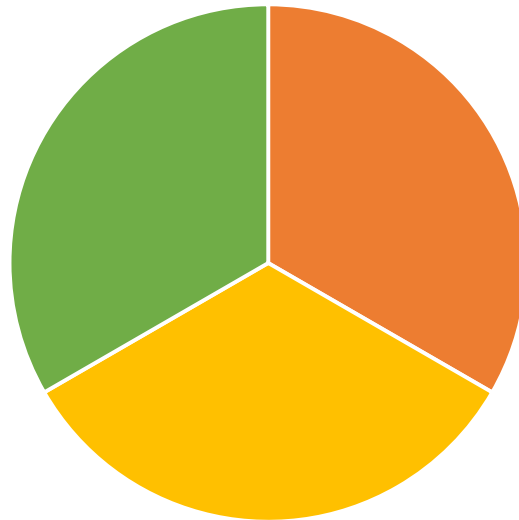
What are ErP's goals?

- ErP is part of EU Regulations that set out to drastically lower our carbon emissions and energy consumption, and in turn, energy bills.
- The ErP Directive also works to define minimum noise levels.

What are ErP's goals?

- The ErP Directive (Ecodesign) aims to phase out poorly performing products across a range of groups to reduce carbon emissions across Europe, with the ultimate goal of achieving the EU's 20-20-20 targets:

20% increase in share of EU energy consumption produced from renewable resources



20% reduction in EU greenhouse gas emissions (from 1990 levels)

20% improvement in overall energy efficiency within the EU



What does ErP require?

ErP requirements: Two Directives

ErP is made up of two separate Directives:

Ecodesign

Impacts:

- Manufacturers of energy-related products i.e. Kensa Heat Pumps.

Energy Labelling

Impacts:

- Both installers & manufacturers of energy-related products.

ErP requirements: Ecodesign

Ecodesign



- The Ecodesign Directive ensures that energy-related products meet performance and emissions standards at the point of manufacture.
- Any product that does not meet these requirements will not get a CE mark, which all products must possess in order to be sold in the EU.

ErP requirements: What Kensa is doing

- As a manufacturer of energy-related products, Kensa is legally obliged to meet a minimum energy performance standard for ground source heat pumps with an output equal to or less than 400kW in order to be legally sold in the UK and the rest of the EU.



ErP requirements

Ecodesign

Energy
Labelling

ErP requirements: Energy Labelling

- From 26th September 2015 manufacturers and retailers of heating products must clearly display the product energy label, showing an efficiency rating from G to A++, accompanying a product fiche.
- Installers of heating systems with new controls and/or solar panels will also be required to complete a document called a 'package fiche' and produce a package energy label for all heating systems they install.

Energy
Labelling

ErP requirements: Energy Labelling

- The ErP label grades the energy performance of ground source heat pump products on the market and installed ground source heat pump systems from G to A++.
- The scale only goes up to A++ for space heating and A for domestic hot water.



ErP requirements: Energy Labelling

The ErP energy labelling takes two forms:

Individual
product

Overall
heating system

ErP requirements: Individual products

*More in chapter 2:
'How to be ErP
compliant' here*

Individual
product



- All products on the market must display a product energy label to demonstrate the product's energy efficiency and noise levels.

ErP requirements: Energy Labelling

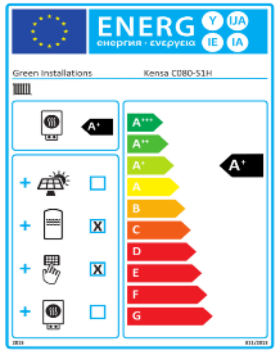
The ErP energy labelling takes two forms:

Individual
product

Complete
installed
heating system

ErP requirements: Complete systems

More in chapter 2:
'How to be ErP
compliant' here



Package label



Complete
installed
heating system

- All systems installed featuring a ground source heat pump and new controls in accordance with building regulations must have a package energy label to determine the systems energy efficiency.



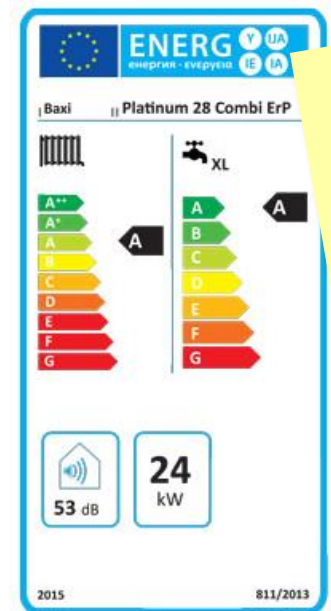
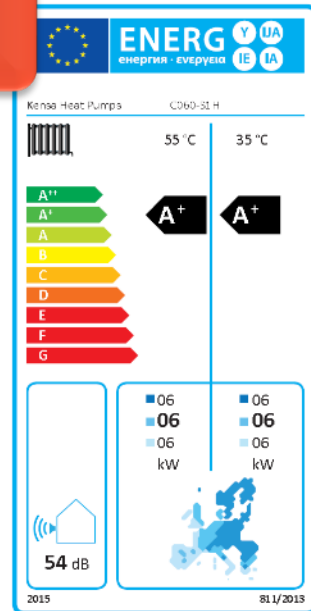
Why is ErP being
introduced?

Why is ErP being introduced?

- The product energy label is a great sales tool to illustrate to your customer how much more efficient their new ground source heat pump will be in comparison with an older boiler or alternative heating system.

Product Label

Kensa Heat Pump



Remember: The scale only goes up to A for hot water with boilers

Boiler

Why is ErP being introduced?

- Easier to explain to customers the impact of efficiencies using familiar marketplace product labelling.

Product Label

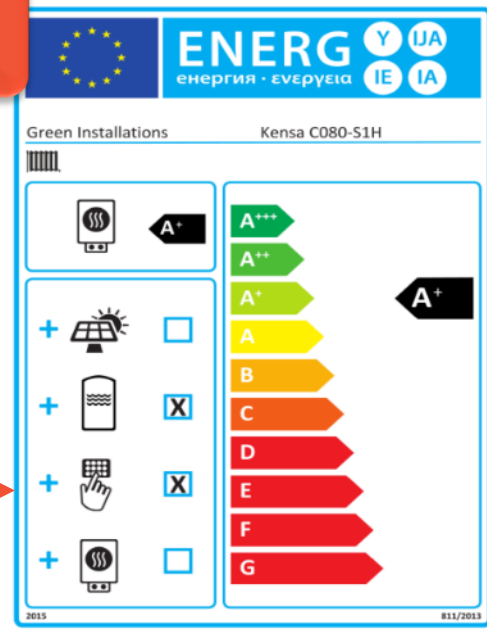
Kensa Heat Pump



Why is ErP being introduced?

- The package energy label will also highlight the impacts that controls, solar, and supplementary boilers can have on the system's band rating and efficiency.

Package Label



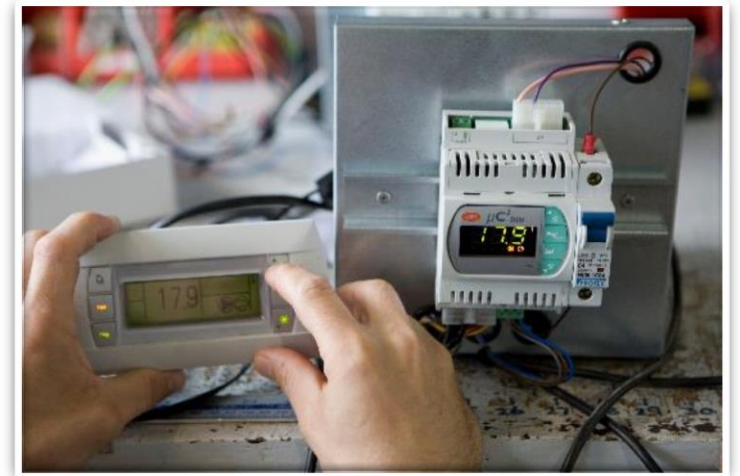
Controls

Remember: Heating controls are required by building regs for all new installations

Why is ErP being introduced?



With ErP your choice of a heating product can now be based on both proven manufacturer service quality and demonstrable product efficiency using standardised testing methodology.”





Further reading:

Kensa resources to support you with being ErP compliant

Further resources

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Call. 0845 680 4328

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Business Support

ErP Support



Access Kensa's Installer
ErP resource at:

www.kensaheatpumps.com/installer-portal/business-support/erp-support/

The below resources will help you with ErP compliance.

Got a question? Call 0845 680 4328

ErP Video Guides



ErP PDF Guides



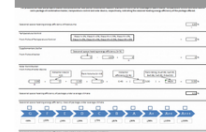
ErP Factsheets



Further Reading



Product Fiche Template



Package Label Template



ErP Products Price List



Kensa ErP Logo



Further resources

Contact Kensa

Call: 0845 680 4328

Visit: www.kensaheatpumps.com/installer-portal/business-support/erp-support/

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Chapter 2:

How to be ErP compliant

[Click here to continue](#)

