

## Case Study

# Rothwell Barn Conversion, Lancashire

## The facts:

**Property Type:**  
Barn conversion

**Property size:**  
152m<sup>2</sup>

**Product supplied:**  
8kW Kensa Compact heat pump with a single compressor.

**Application:**  
100% space heating within the property, complementing under-floor heating.

**Installation:**  
Underground pipes laid in 50m trenches, 2m deep in horizontal 'Slinky' coils.

**Cost Savings:**  
£1500 savings per year on energy bills (estimated by Mr Lea)

**Fuel Displaced:**  
Oil

**CO<sub>2</sub> Reduction :**  
57% saving over oil (based on data from the DTI and BRE)

**Project Partners:**  
**Dutton Plumbing and Heating**  
Plumbing of heat pump

**Continental Underfloor Heating**  
Underfloor heating supplier



### 'Environmentally friendly home'

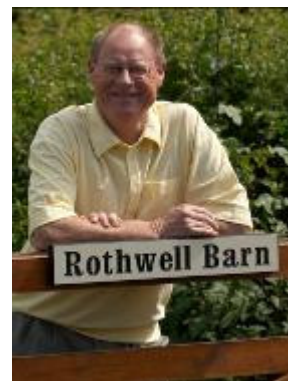
Richard and Carole Lea have converted a brick barn into a luxurious and environmentally friendly new home. Following extensive research the Leas' invested in Kensa for their space heating system.

The 8kW Kensa Compact heat pump with single compressor is housed in the garage with the manifold located against the wall, enclosed in a neat, wooden box. The system works at its most efficient matched with underfloor heating throughout and high levels of insulation, exceeding building regulations.

The Leas were successful in achieving their main objectives for the Project; to reduce the running cost of their home and provide a comfortable, family oriented environment with state-of-the art technologies for efficiency and peace of mind.

Mr and Mrs Lea remarked,

*"We have four children and seven grandchildren and needed enough space to entertain the family, as well as somewhere which would be comfortable, convenient, secure and cheap to run."*



## £Grants

for details contact:

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*"We have not regretted the decision. Kensa are excellent; their equipment is competitively priced and is suitable for the British situation."*  
**Mr Lea, Self Builder**

