

Case Study

Renovation, Whitby

The facts:

Property Type:
Complete Renovation

Property Size:
Approx. 200 m²
100m² heated by the
heat pump

Product Supplied:
Kensa Compact Heat
Pump with single com-
pressor and twin slinkies.

Application:
Approximately 50%
space heating within the
property, complementing
Underfloor heating and
domestic hot water
production

Installation:
Two slinky, closed loop
ground arrays

Cost Savings:
Lower running cost than
oil, due to operation
using off-peak tariffs, no
servicing costs and a
longer product life.

Fuel Displaced:
oil

CO₂ Reduction :
46% saving over oil
(based on data from the
DTI and BRE)



'Space and DHW heating provided by slinkies'

This property near Whitby was an existing building which was completely gutted and then fully renovated. Half of this house is heated with a Kensa geothermal heat pump connected to an underfloor heating distribution system and to produce domestic hot water, a hot water cylinder with an indirect coil.



The ground arrays for the heat pump were two slinkies which the homeowner installed himself in trenches within the properties large garden.

The Kensa heat pump is installed in the attached garage, which is an ideal position, and connected to the underfloor heating manifold, positioned in the loft.

£Grants

for details contact:

Kensa Engineering Ltd
Mount Wellington
Chacewater, Truro
Cornwall, TR4 8RJ.
Sales: 01392 826021/22
Fax: 01872 862440

info@kensaengineering.com
www.kensaengineering.com

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