

## Case Study

# New Build Property, Flushing

## The facts:

**Property Type:**  
New build

**Property Size:**  
Approx. 200 m<sup>2</sup>

**Product Supplied:**  
Kensa Compact Heat Pump 10kW with single compressor and two 50m slinkies.

**Application:**  
Space heating for the whole building complementing Underfloor heating

**Installation:**  
Two 50m slinkies, closed loop ground arrays installed with a mini digger

**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

**CO<sub>2</sub> Reduction :**  
46% saving over oil (based on data from the DTI and BRE)

## Heat pump drives low cost space heating

This new-build house is heated using a 10 kW Kensa Compact ground source heat pump connected to underfloor heating. The two horizontal ground arrays were installed using a mini-digger in an adjoining field.

Kensa's Compact heat pump was installed by the plumber in its own shed on the side of the house and connected to the underfloor heating manifold in the utility room.

The pictures below show the field where the Slinkies are buried and the 10kW Compact heat pump. An enclosure was built around the heat pump once installation was complete.



## £Grants

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## Project Partners

All work was completed by the clients' own plumber and builder.

