

Case Study

Extension of a Equestrian Cottage, Cucklington

The facts:

Property Type:

New build extension to Building Regulations

Property Size:

Approx. 80 m²

Product Supplied:

Kensa Compact Heat Pump 4kW with single compressor and one 40m slinky.

Application:

Space heating within the extension, complementing Underfloor heating

Installation:

One 40m 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)



'New build extension heated using energy from paddock'

This new build extension of approximately 80 square metres was built to current building regulations and provided the owner with the opportunity using a ground source heat pump to provide the heating.

The heat pump was linked to a 'wet' underfloor heating system to provide a comfortable and steady heat throughout the heating season.

Providing the renewable heat source for the heat pump is one of Kensa's 40 metre long slinky ground arrays which was buried in a 2 metre deep trench in the adjoining paddock.

Due to the simple installation of the heat pump the installation was carried out successfully by the homeowner's own plumber and builder with technical support as required from Kensa.

£Grants

for details contact:

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

