

Order Form

Underground Network additional promotional materials

Pages   

Personal details

First Name _____

Last Name _____

Company Name _____

Purchase Reference/No _____

Invoice Address _____

Delivery Address (if different to above) _____

For all non-account holders, proforma invoices will be sent out on receipt of your order. Payment in full will be required prior to dispatch.

Kensa Heat Pumps Ltd VAT No 945676771. VAT will be charged at the Government prescribed rate

Order details

Kensa Product Guide A5 leaflet: Quantity _____

Kensa 'Going Underground' A4 leaflet: Quantity _____

Van stickers: Quantity (Partner) _____ (Gold) _____ (Gold+) _____

T-shirts: Quantity (S) _____ (M) _____ (L) _____ (XL) _____

Pull-up banners 80cm x 200cm:

Quantity (Case Study banner) _____ (Underground banner) _____

Foamex boards 84cm x 118cm:

Quantity (GSHP foam board) _____ (Ground Arrays foam board) _____

Order total: _____

Signed:

Order Form

Underground Network additional promotional materials

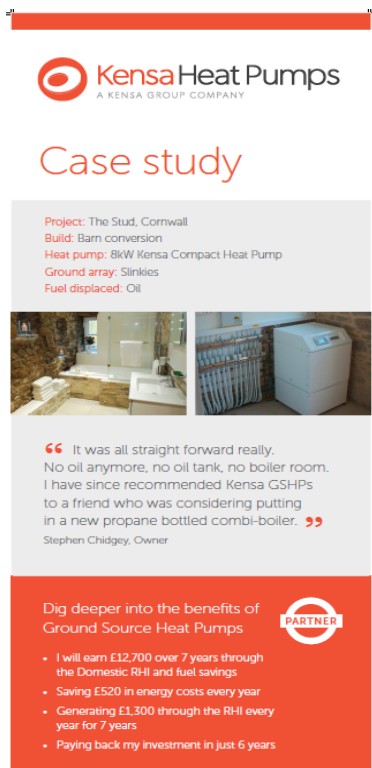
Pages 


Please return this form either via email to info@kensaheatpumps.com or post it back to : Kensa Heat Pumps, Mount Wellington, Chacewater, Truro, TR4 8RJ.

Contact us directly to order free copies of our promotional literature.

Pull-up banners 80cm x 200cm £65.00

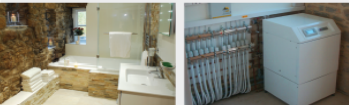
Case Study banner




A KENSA GROUP COMPANY

Case study


Project: The Stud, Cornwall
Build: Barn conversion
Heat pump: 8kW Kensa Compact Heat Pump
Ground array: Slinkyless
Fuel displaced: Oil



“ It was all straight forward really. No oil anymore, no oil tank, no boiler room. I have since recommended Kensa GSHPs to a friend who was considering putting in a new propane bottled combi-boiler. ”

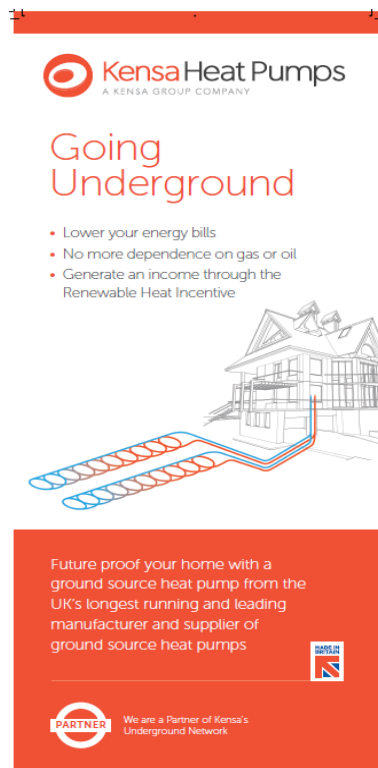
Stephen Chidgey, Owner


Dig deeper into the benefits of Ground Source Heat Pumps



- I will earn £12,700 over 7 years through the Domestic RHI and fuel savings
- Saving £520 in energy costs every year
- Generating £1,300 through the RHI every year for 7 years
- Paying back my investment in just 6 years

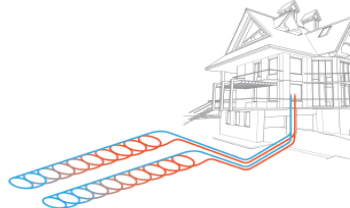
Underground banner





A KENSA GROUP COMPANY

Going Underground

- Lower your energy bills
- No more dependence on gas or oil
- Generate an income through the Renewable Heat Incentive



Future proof your home with a ground source heat pump from the UK's longest running and leading manufacturer and supplier of ground source heat pumps

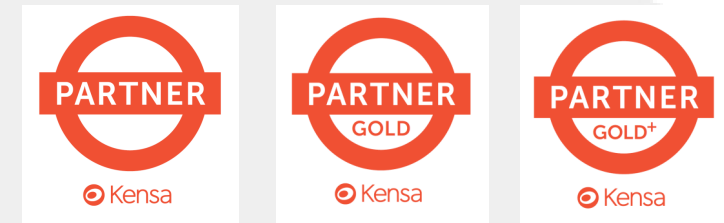


We are a Partner of Kensa's Underground Network

Van stickers

Make sure your vehicle and fleet displays your Kensa partner logo to match your partner status so your customers realise you are a trusted installer.

Free of charge



T-shirts

If you need work-wear for when you or your team are working on-site doing installations, Kensa can supply co-branded t-shirts with your business logo on the front and a Kensa Installer partner logo on the sleeve.



Small £10.00

Medium £10.00

Large £10.00

X Large £10.00

Please note that t-shirts must be ordered in quantities of: 5, 10, 20 or 50.

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Pages

We know that when you are attending exhibitions, furnishing your showroom or even going out on high profile jobs, it is useful to have promotional material that you can display. Kensa can supply a range of pull up banners and foamex boards in large sizes that explain the technology and its applications.

Foamex boards 84cm x 118cm £33.00

RHI case study foam board



Renewable Heat Incentive: A Case Study

The Renewable Heat Incentive (RHI) has been introduced by the Government to encourage self builders and property renovators to install renewable heating systems.

“My motivation for this project was to make the barn sustainable, affordable and to displace oil by use of ground source and solar thermal. The savings and RHI income are amazing, not to mention a warmer more even heat throughout the property.”

Stephen Chidgwy, property renovator & Kensa customer

Key Facts:

- Government backed scheme
- Guaranteed payments for 7 years
- 18.8p/kWh tariff for renewable heat produced by ground source heat pump
- All self build and domestic renovation projects are eligible



The RHI in Practice:

Project: The Stud, Cornwall
Build: Barn conversion
Heat pump: 8kW Kensa Compact Heat Pump
Ground array: Slinkyties
Fuel displaced: Oil

The RHI in £:

- I will **earn** £12,740 over 7 years through the Domestic RHI and fuel savings
- I will **save** £520 in energy costs every year
- I will **generate** £1,300 through the RHI every year for 7 years
- I will **pay back** my investment in 6 years

www.kensaheatpumps.com




0845 680 4328

Heat sources foam board



Ground Source Heat Pumps: What's your source?

Heat stored in the ground and water can be extracted by ground source heat pumps to provide sustainable, efficient and low cost heat & hot water, all year round, come rain or shine.

Rock sources: Boreholes	Soil sources: Slinky pipes	Water sources: Pond mats
<ul style="list-style-type: none">• Discreet & compact• Suits smaller plots• Minimal ground disruption• All year 12°C 10m down	<ul style="list-style-type: none">• Easily installed• No expertise required• Pre-coiled slinky• Most common method• Less digging than straight pipe	<ul style="list-style-type: none">• Lakes, rivers, ponds, sea• Excellent heat transfer• Extremely efficient• No drilling or digging• Lowest cost
 How it's done:	 How it's done:	 How it's done:
<ul style="list-style-type: none">• Borehole drilling• 60-100m hole• Straight pipes extract heat	<ul style="list-style-type: none">• Trench system• Buried slinky pipes extract heat	<ul style="list-style-type: none">• Slinky pipe on frame• Sunk in the water• Submerged slinky pipes extract heat

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GSHP foam board



GSHP: How it works

How does a ground source heat pump (GSHP) work?

A solid state unit is pumped through a series of energy efficient pipes, known as a ground array, which absorb heat energy stored in the ground. The unit then circulates around the ground array and transfers the heat energy from the ground through a heat exchanger into the heat pump unit. The heat exchanger transfers the heat from the ground array into a refrigerant, which is pumped to a condenser and then back to the ground array.

A compressor then increases the refrigerant pressure, further raising the refrigerant temperature. The refrigerant then flows into a heat exchanger, which transfers heat and transfers the heat from the ground array into the ground. The refrigerant then flows back to the ground array and the cycle repeats. This exchange allows the ground array to be used as a source of heat and cold, and an expansion valve to maintain the pressure and temperature ready to commence the cycle all over again.



What is a Ground Source Heat Pump?	Heat Distribution	Ground Array
A GSHP absorbs low grade heat in one place where it is placed, and releases it in another location where it can be used for space or water heating.	The heat pump transfers heat in one place where it is placed, and releases it in another location where it can be used for space or water heating.	Heat from the ground is absorbed by the ground array, which is buried in the ground. The ground array then transfers the heat to the heat pump, which is used for space or water heating.
 Schematic	 Look Inside	 Ground Array
<ul style="list-style-type: none">• Efficient heating and cooling• Low running costs• Low carbon footprint	<ul style="list-style-type: none">• Ground Source Heat Pump's high efficiency ensures emissions are significantly lower than traditional fossil fuelled systems - up to 40% lower CO₂ emissions than mains gas.	<ul style="list-style-type: none">• Ground Source Heat Pump's high efficiency ensures emissions are significantly lower than traditional fossil fuelled systems - up to 40% lower CO₂ emissions than mains gas.

Renewable Heat Incentive (RHI) | Renewable Heat Incentive (RHI) | Renewable Heat Incentive (RHI) | Renewable Heat Incentive (RHI) | Renewable Heat Incentive (RHI)

Ground arrays foam board



Ground Arrays: Slinkyties up close

There are a number of different designs and types of ground array available which can all provide the same amount of heat. The design of the ground array can have a significant effect on the efficiency of the system. Slinkyties are generally the most cost effective way of installing a ground array as due to their 'topped' design approximately every 1m of trench contains 5m of pipe.



Sizing	Heat Source
Most ground source heat pumps use a closed loop ground array. The design of the ground array must match the heating requirements of the building. To maintain the efficiency of the heat pump the ground array must be correctly sized to prevent the ground array from over-heating. For space heating, typically 20m of horizontal slinky trench provides 2kW of heat from the heat pump.	Ground source heat pumps use a closed loop ground array. They absorb heat from the ground and release it into the building. The amount of heat that can be extracted from the ground is dependent on the ground temperature, the ground array design, and the ground array size. A ground array size of 20m of horizontal slinky trench provides 2kW of heat from the heat pump.
 Trenching	 Header Pipe
<ul style="list-style-type: none">• Header pipe: 20m of horizontal slinky trench provides 2kW of heat from the heat pump.	<ul style="list-style-type: none">• Slinkyties are supplied with a 25mm header pipe. The header pipes from all the slinkyties join together into a single 22mm deep header trench. It is advisable that all the flows are placed on one side of the trench and the returns on the other, allowing the header pipes to extract the heat directly under the slinky manifold.

Renewable Heat Incentive (RHI) | Renewable Heat Incentive (RHI) | Renewable Heat Incentive (RHI) | Renewable Heat Incentive (RHI) | Renewable Heat Incentive (RHI)