

Press Release
October 12th 2012

Kensa Launches the Shoebox Heat Pump – Eligible for Phase One RHI Funding

Kensa Heat Pumps has launched an extremely small British-made Ground Source Heat Pump that is ideal for flats, apartments and small dwellings and eligible for Phase One RHI Funding.

The Kensa Shoebox Heat pump is not just the market's smallest heat pump, it's also extremely quiet. The MCS-accredited GSHP is specifically designed to provide both space heating and domestic hot water in new build and retrofit properties where the peak heating load is no greater than 3.5kW.

Benefitting from Kensa's award winning engineering ingenuity, the Shoebox creates a new category of ground source heat pump which will spearhead the mainstream adoption of renewable heating in the residential sector.



The Shoebox Heat Pump supplied with a pre wired 3amp plug for ease of installation

As the UK's only manufacturer of a full range of ground source heat pumps, Kensa Engineering has established an unrivalled reputation for providing first class technical support and advice to help clients easily integrate the technology into private and social residential schemes.

The unique Shoebox concept ensures a very competitively priced heating and hot water system which allows property developments to be marketed under a 'green banner', offering ultra low running costs and minimal carbon emissions for the purchasers or tenants.

In addition, Shoebox installations qualify for significant financial support via Phase One Funding of the Government's Renewable Heat Incentive (RHI).

The RHI is the world's first financial incentive scheme designed to increase the uptake of renewable heat technologies and reduce the UK's carbon emissions. In brief, the scheme provides a subsidy for

each kilowatt hour of eligible renewable heat generated from accredited installations, payable on a quarterly basis for a period of 20 years. This is guaranteed and will be inflation linked.

Phase One, primarily intended to support commercial installations but also covering district heating systems in the residential sector, has been launched and is open for business, paying 4.7p per kilowatt hour for ground source heat pump installations (up to 100Kw). Ofgem, the RHI administrator, has confirmed that installations featuring communal ground arrays, such as Kensa's Shoebox Heat Pump, will be deemed district heating systems and therefore eligible for Phase One Funding.

The Shoebox Heat Pump is a unique product which can be configured into a system architecture that qualifies for Phase One RHI Funding as a district scheme by virtue of the communal ground array.

The use of a communal ground array is a novel means of delivering the ground heat exchanger in a fashion that not only meets the definition of a district heating scheme, but it also permits the use of a slightly smaller and less expensive overall ground array thanks to the concept of diversification.

Diversification simply means it is not necessary to assume that every apartment is simultaneously applying a peak load on the energy source so the ground array can be slightly smaller. In addition, the design risk is mitigated because exceptional demand from an individual apartment is balanced by another apartment imposing a lower demand. It is a very smart concept to help lower associated project costs.

The RHI payments are made to the owners of the equipment, rather than the users of the renewable heat. Of course, it would be preferable for the individual apartment owners to receive their own payment but RHI rules dictate that a district heating scheme merits just a single payment to the deemed system owner. For this reason, the management company is likely to be the recipient in most cases. Kensa Heat Pumps would expect management companies to pass on the RHI payments via reduced service charges which, in turn, should make the properties more appealing to purchasers.

If the Shoebox heat pump provides both space heating and domestic hot water, the RHI payment is likely to be around £270 per annum for a typical 2-bed apartment, payable for 20 years to either the registered social landlord or to the developer. This equates to £5,400 of renewable heat incentive payments throughout the 20 year period per property.

The Shoebox heat pump is the only domestic heating solution which can gain funding from the RHI Phase One thanks to the unique system architecture featuring an individual appliance in each dwelling linked to a communal ground array.

For the homeowner, the Shoebox is reliable and durable and performs in an ultra-efficient manner resulting in extremely modest running costs, increasing the appeal of any property.

To find out more about the Shoebox Heat Pump, and to watch the short but informative film, visit www.kensaengineering.com/shoebox or call 0845 680 4329.

Ends

About Kensa:

Kensa Engineering Limited is a Truro-based manufacturer of ground source heat pumps and related accessories. Established in 1999, Kensa supplies the UK's widest product range to satisfy all residential and commercial applications.

Accolades for Kensa have included the 2008 Ashden Award for UK Business of the Year, the 2009 Housing Excellence Award for Product of the Year and the 2009 Corgi Live Green Manufacturer of the Year award.

Kensa Engineering has supplied heat pumps in applications from small domestic dwellings to large commercial projects, single unit applications to communal systems. Our clients range from private householders, property development companies, housing associations to large blue chip companies. Our capabilities include utilising various energy sources such as water, boreholes or horizontal ground arrays.

Kensa Engineering Limited
Mount Wellington
Truro TR4 8RJ
Tel: 01392 826 021
Email: info@kensaengineering.com
Web: www.kensaengineering.com