

Gas powered heat pump for home

South West Heat Pumps Ltd. (SWHP) has installed a Robur K18 gas powered heat pump boiler to provide heating and hot water to a three bedroom home in Gunnislake, Devon.

Owner Mr. Jackson, along with SWHP, evaluated a range of possible replacements for his old, inefficient non-condensing boiler and decided on the Robur K18 as the most cost-effective solution.

Powered by natural gas, but benefitting from renewable energy from air, the Robur K18 offers exceptionally low running costs, at least 38% below the cost of a modern condensing boiler, but can still provide water up to 70°C, just from the heat pump.

Supplied by Robur importer ESS, the K18 has an 18kW output and is intended for use in larger or older properties with a high demand. The capital cost is substantially below that of a ground source heat pump and the running costs are lower and the performance is better than an equivalent electric heat pump.

The system uses ammonia within a factory sealed circuit as its refrigerant, so can be installed by any gas safe heating engineer. With gas burners replacing compressors and inverters, the Robur K18 is considerably quieter than equivalent electric heat pumps. A new "Hybrigas" model from Robur, with a 37kW output, will be available later this year.

For more information on this and other Robur gas absorption heat pumps (GAHPs), please contact ESS: **020 8641 2346** | www.roburheatpumps.co.uk | info@roburheatpumps.co.uk

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About ESS

ESS was established in 2000 as an HVAC distributor. Since 2003, ESS has become the UK's leading supplier of Gas Powered Heat Pumps, and now offers Robur's gas absorption heat pumps (GAHPs) in addition to its existing range of gas engine models.

ESS is an independent, privately owned company, established for distribution of HVAC equipment to the trade only. It specialises in helping energy managers, M&E consultants, designers and other heating, ventilation and air-conditioning professionals.

www.essaircon.com | www.roburheatpumps.co.uk

About South West Heat Pumps

Established in 2009 and based in Devon, South West Heat Pumps Ltd (SWHP) is a specialist Renewable Energy installation company. SWHP heat pumps has carried out hundreds of heat pump installations.

The company has its own in-house teams of designers and engineers and is an experienced installer of all type of renewable technologies, including air and ground source heat pumps, biomass boilers, PV and solar thermal. SWHP is registered with Refcom and has MCS accreditation.

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