



How you can take maximum credit for NOx emissions



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New construction is increasingly being built to meet the maximum level of the EcoHomes scheme, a points based environmental rating scheme used to illustrate the quality of the overall site design.

Maximum credit points for boilers are earned when NOx (nitrogen oxides) emission levels are less than 40 mg/kWh. This level exceeds the best required by British Standards, usually referred to as Class 5.

The Ideal HE range of SEDBUK A appliances has now been fully tested in conformance with the relevant Standards to establish weighted values, taking into account the boiler modulation, and all boilers now achieve NOx levels

Model	NOx (mg/kWh)	NOx (ppm)
Icos HE12	15.5	8.8
Icos HE15 Icos System HE15	16	9.1
Icos HE18	13.3	7.5
Icos HE24, Icos System HE24, Isar HE24, Isar HE30, Istor HE260, Istor HE325	19.2	10.9
Isar HE35	17	9.6
Icos HE30	19.7	11.2
Icos HE36	24.5	13.9

of less than 40 mg/kWh. These results have been independently verified by Advantica and replace all previous figures quoted.

Therefore the following boilers in our ranges will achieve maximum credits under the EcoHomes scheme: Icos, Isar, Icos System and Istor. Measured results are shown in the table above:

Right: The Ideal Icos, one of the Ideal HE boilers which achieves maximum credits for NOx emissions.



Warmer houses in Newcastle

Ideal Boilers has teamed up with Places for People – the UK’s largest housing and regeneration group – to improve energy efficiency on a housing estate in Newcastle, by installing new boilers.

Norman Waitt, consultant for Places for People, said: “We have undertaken a massive investment project for 242 apartments within the Clayton Street Housing Development site in Newcastle. It was therefore essential we improved the SAP energy rating of the complex’s ageing heating and hot water system, which was only achieving 34% efficiency, in order to meet and exceed changes to

Part L2 of the Building Regulations 2006. A feasibility study was carried out and then we approached Ideal Boilers, based on the quality, reliability, size and range of high efficiency heating solutions available.

“A number of options were considered before it was decided to replace the existing boiler plant with HE boilers and a small scale Combined Heat & Power (CHP) unit.”

The replacement of the boiler plant was carried out whilst maintaining the existing heating and hot water services throughout the duration of the project, to minimise disruption for the building’s tenants.

Craig Stewart, Business Development Manager at Ideal Boilers and Stelrad Radiators for the North East, commented: “We recommended four new HE boilers from our commercial range of appliances for the project.

“By combining two Ideal Super Plus boilers with two Imax Plus appliances on one system, we could provide 1530kW of heat and have an average efficiency of 95%, fully modulating to follow the heat load as required.

“To complement this, two CHP units were fitted, providing a combined duty of 11kW of electricity and 24kW of heat.”

Making new technology user friendly for the elderly

Social housing providers Derwent Living has committed to raising the energy ratings of its retirement housing stock by installing high efficiency condensing boilers from Ideal and radiators from Stelrad.

Derwent Living currently manages about 8,500 properties throughout the East and West Midlands, South Yorkshire and the South East, with 3,000 more in the pipeline.

Full replacement central heating systems were recently installed in 50 retirement properties at Derwent Living’s Chellaston Park Court site in Derbyshire.

The installers, J Tomlinson Ltd, chose Ideal boilers and Stelrad radiators based on the quality and reliability of our products and competitive price, which is backed

up with a first class service offering. The Ideal Isar HE boiler and Stelrad’s Compact radiator were specified for the heating installations.

Steve Kirkland, Group Operations Director for J Tomlinson, said: “We are well aware that new technology may be unfamiliar to some people, especially the elderly, so it was vitally important we communicated the benefits with Derwent Living’s residents to ensure the safe handover of the systems.

“Along with undertaking a complete handover session with residents, we also developed easy-to-use instructions, which are displayed near the boilers’ user controls. The feedback we have received from tenants has been excellent, which makes the job even more satisfactory.”



ABOVE: The Stelrad Compact.
BELOW: The Ideal Isar HE.



Fighting fuel poverty in Hull

A unique partnership between Hull City Council, Ideal Stelrad, Jewson Builders Merchant and Classical Gas to combat fuel poverty has reached its first major milestone after the 100th brand new central heating system was installed in a Hull tenant's home at less than half price.

Part of the Council's Discounted Heating Project, the scheme offers households in Hull without adequate heating the chance to have a full gas central heating system installed at a huge discount. Owner occupiers and private accredited landlords are already taking advantage of the excellent offer to improve the energy rating of their properties to meet the Decent Homes Standard.

Hull tenant Margaret Singleton was the 100th customer to benefit from the scheme. This included the installation of a high efficiency Isar HE combi SEDBUK A rated appliance from Ideal Boilers and nine radiators from Stelrad.

David Bainbridge, Ideal Stelrad's Divisional Sales Director for the North, said: "Installing a new central heating system in a mid-terrace three bedroomed property like Mrs Singleton's would normally cost around £3000. However, under the Discounted Heating Projects scheme, she only had to pay £1142.

"Not only does this improve the overall SAP rating of the property, but by installing a high efficiency boiler it can save tenants up to 30% off their heating and hot water bills compared to older systems, whilst also helping the environment by reducing carbon emissions."

Margaret Singleton was pleased the application process had gone so smoothly but it was the price



Margaret Singleton with her Isar HE boiler.

that had persuaded her. She said: "I was amazed by the price of the new system. I have been considering central heating for quite a while but as a pensioner I thought it would be too expensive. The Council has made it affordable for me."

Hull's Discounted Heating Project is in response to a census in 2001 that revealed some 20,000 households in the city lack central heating. The plans are for about 350 homes a year to benefit from the scheme.

The discounts have been made possible by the Council working with local suppliers and installers to agree a bulk discount price as well as being able to offer grant funding to bring the cost even lower.

Councillor Allen Healand, Cabinet member with responsibility for housing issues, said: "The Discounted Housing Project is an excellent partnership project that gets to the heart of ensuring that private sector homes in the city meet the Decent Homes Standard and it achieves key objectives in the city's affordable warmth strategy."

LEFT: Mrs Singleton is presented with flowers to mark the installation of her new Ideal boiler.





Boiler's new feature is a big switch on

Ideal's market-leading Isar HE combination boiler has just got even more efficient and user friendly.

It now comes complete with a built-in programmer so that it is simpler and more convenient to specify, install and use.

The programmer – which includes a handy seven day timer option – is available on all three Isar HE models: HE24, HE30 and HE35.

A stylish design and a large easy-to-read display are key features of the programmer.

The extremely popular Isar HE is one of Ideal's top-selling boilers

and is selling particularly well in the social housing sector due to its excellent levels of reliability and ease of installation.

With no compartment ventilation necessary, the SEDBUK A rated Isar HE is extremely flexible to site and fits unobtrusively into homes, even where space is very limited.

The Isar range provides between 9.5 and 14.4 litres of hot water every minute at 35° C temperature rise.

LST choices

Stelrad offers you two choices of low surface temperature radiator.

The **Stelrad LST** is supplied as a casing and emitter only pack and is designed for those specifiers and installers who want to specify their own valves and pipework.

But for purchasers who prefer the convenience of a complete, one box pre-assembled package, Stelrad offers the **LST Plus**.

This highly popular radiator is quick to install and very easy to specify because the casing comes fully factory assembled, complete with valves and controls. A kick grille/pipework cover is also included as standard. The LST Plus also provides an integral remote sensing thermostatic valve as standard. An arthritic adaptor is supplied for special needs environments.



The LST Plus.



I hope you've enjoyed reading the articles in this issue of Heating Homes and I trust they will give you some food for thought. If you would like further information on any of the topics featured in Heating Homes, or would like to arrange a meeting, please contact me on 07802 775311 or Kevan Peaker, Specification Director for London, on 07711 181527.

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