

STIEBEL ELTRON

50YRS
OF HEAT PUMPS

Meeting New Standards with a **Warm Welcome**

A guide for developers and architects on the simplest, most cost-effective ways to meet the requirements of the UK's changing building regulations



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Our credentials

As a leading manufacturer of heat pumps and energy-efficient building services, STIEBEL ELTRON offers trusted technical insight to help architects and developers meet standards such as the Future Homes, New Build Heat and Healthy Homes Standards.

We have been making heat pumps for 50 years, hot water solutions for over 100 and have decades of ventilation expertise. We know how to make projects work for our customers on every level.

We believe in developing direct relationships with our construction customers to ensure that not only do we provide solutions that save money and time, but that we meet the values of their business and help them stay ahead of the game.

Trust our expertise, strength of innovation and experience worldwide



Key features of the new standards and what they mean for developers and architects

UK building regulations are evolving to reduce both embodied carbon and carbon emissions, improving energy efficiency in new developments, whilst creating healthier built environments. Whilst standards are performance based rather than technology specific, the changes do make certain technologies much more likely to be required to achieve compliance.

› **Low-carbon heating:** The new standards require low carbon forms of heating. Fossil fuel boilers and direct acting electric heating will be unlikely to meet building regulations for new buildings. Heat pumps are expected to feature prominently as the replacement solution.

› **High energy efficiency:** Homes will be built with a more efficient building fabric to minimise heat loss, including enhanced insulation, windows, and airtightness. Building services

implications for you: The updates to part F make it much more likely that you will need to install mechanical ventilation. MEV and MVHR are explicitly recognised as the most proficient means of ventilating a dwelling and MVHR in particular is likely to make your path to compliance easier.

› **Integration of renewables:** Developments will be expected to consider the inclusion of on-site renewable technologies.

Solar PV is proposed as a functional requirement in the Building Regulations for most new homes. Unless there are strong reasons why installation would be impractical to include them, you will need to plan for their addition.



How can we help you meet the standard?

There are plenty of manufacturers who will sell you the products you need. So why work with us?

Support and partnership

We don't just sell products - we will work with you to achieve your aims. There is help and advice at every stage of a project from planning through to installation, commissioning and aftersales support.

At the planning stage

Stricter compliance testing and documentation means that collaboration between architects, M&E engineers, and energy assessors will need to start much earlier in the design process. We are here to help your teams through that process. Your local specification manager will be happy to be involved from the earliest stages of a project to help ensure no opportunities for cost and space savings are missed, while also making compliance straightforward

all the knowledge and experience they need before working on a live system. We are happy to work with your existing installation partners or recommend STIEBEL ELTRON Specialist Partners local to your areas of operation.

At the installation stage

Because we won't ever leave your installers stuck on site with a problem, we help safeguard your deadlines. With both field based and telephone support as needed and tools and a wealth of information available on our partner portal 24/7, they can tackle new tasks with confidence.

Pre-installation

Our dedicated planning and technical teams will provide your contractors with the detail they need to plan robust and easily installed systems. Our training team offers free hands-on or virtual training to ensure participants have

Aftersales

We offer ongoing maintenance packages for heat pumps so that your teams can move on to the next job.



Finding your sweet spots through the regulations

Heat pumps

It almost goes without saying that our award-winning heat pumps are renowned for quiet operation and high efficiencies that appeal to end consumers. For developers and architects their high temperature efficiency means smaller radiators can be used, saving space and cost compared with competitor products.



HPA-O 10.2 Trend HC 230



HSBC 300 Cool

Our system cylinders

The indoor plant all-in-one box offers the highest levels of integration on the market to ensure the smallest footprint for indoor components (and the best finish).



VRC-W 450 E

Ventilation

One point of contact for both heat pumps and MVHR units – plus the benefit to end users of one app to control both.

Passive house certified units available.

Unique products and solutions to give you an edge

Unique Integrated heat pump and ventilation units – a complete plant room in a box

A true internal air source heat pump with integrated MVHR, our LWZ products have been the choice of developers on the continent for 25 years, thanks to their highly compact footprint, sleek aesthetics and foolproof installation. The impressive efficiencies gained from both elements working in tandem is something no one else can offer.

Air source heat pump + solar PV and smart home controls

Combining an air source heat pump with solar PV panels (and optional battery storage) is emerging as the most practical and cost-effective route to compliance. Our partnership with Solarwatt means we can offer a fully integrated solution – proven, efficient, and easy to install. With seamless system design, compatibility, optimised performance, and clear sustainability credentials, it's the smart choice for delivering low-carbon homes with high market appeal.



LWZ all-in-one internal air source and MVHR unit

Housebuilder chooses STIEBEL ELTRON for luxury barn conversion

A close working partnership between installer Evans Energy, developer ASE Build Ltd and STIEBEL ELTRON delivers successful project for new eco home.

WPL A-07 Premium air source heat pump delivers high efficiency whilst 2 x LWF AR 1.5 MHVR units help provide perfect air conditions via the MVHR system.

Daryl Evans of Evans Energy said, "STIEBEL ELTRON sales and technical team provided us with the support to deliver on the vision ASE had for the property. They made planning and installation easy!"

A spokesperson for ASE added, "We craft the homes of the future, answering your needs and desires for an innovative home, even before you realise them yourself. Making sure that the heating and climate control for the building provide ultimate comfort and luxury is part of that promise. This project not only delivers on perfect temperature control and generous hot water, it also provides the future owner with low running costs and a degree of independence from the grid. STIEBEL ELTRON and Evans Energy made sure to work with us to deliver on our values and ensured that we delivered on both a high level of finish and performance for this building."



STIEBEL ELTRON made planning and installation easy!



The choice for reliability and support

A respected North Yorkshire property developer, completing one of the final projects of his long career, wanted absolute reliability for a development of new-build bungalows that would help form his retirement fund.

With his property portfolio soon to be a hands-off investment, he needed a heating solution that guaranteed long-term performance and minimal intervention.

Why Stiebel Eltron was the Natural Choice

Stiebel Eltron air source heat pumps were selected for their proven high quality, exceptional engineering, and industry-leading efficiency. The developer's key priority—long-lasting, trouble-free operation—aligned perfectly with Stiebel Eltron's reputation for durability and technical excellence. Combined with equally robust system cylinders, the installation ensured each bungalow would have dependable heating and hot water from day one.

Effortless Oversight with Internet Service Gateway

To further minimise potential disruption, each property was equipped with Stiebel Eltron's market-leading internet service gateway. This advanced connectivity allows remote access to system data, enabling technicians to identify, diagnose, and even resolve issues before residents become aware of them.

Expert Support from Day One

Stiebel Eltron's nationwide network of field technicians played a key role in the project's success. Dedicated specialists provided on-site assistance throughout installation, system set-up, and commissioning, ensuring flawless operation across all units from the very start. Their involvement delivered peace of mind for both the developer and future residents, guaranteeing that every heat pump was perfectly tuned for long-term efficiency.

High-quality German engineering ensured confidence in long-term performance.



Future Homes timeline

Plan for the changes



Autumn 2025

Final FHS regulations expected to be published



Dec 2026

Legislation to bring FHS into force is expected to take effect approx. 5 months after being laid before Parliament



Dec 2026 - Dec 2027

Transitional phase: developments registered before December 2026 can proceed under older standards



Jan 2027 onwards

New developments must comply with FHS requirements

Contact

For more information on the Future Homes Standard, contact our technical team:

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Comfort through Technology

For new and interesting information on our products, visit www.stiebel-eltron.co.uk or consult your local trade partner.

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