NIBE

Sustainability
is in our nature

NIBE
EXHAUST AIR HEAT PUMPS

Nature can be warm and comforting, but it can also be powerful and determined. It is our greatest source of energy and we depend on it to give life to everything around us.

The harsh Nordic environment, with its fluctuating climate, has shaped us and taught us how to adapt. Whether it's a cold winter's day or a warm summer afternoon, the temperature inside your home must be adjusted to ensure comfort at all times, whatever the weather.

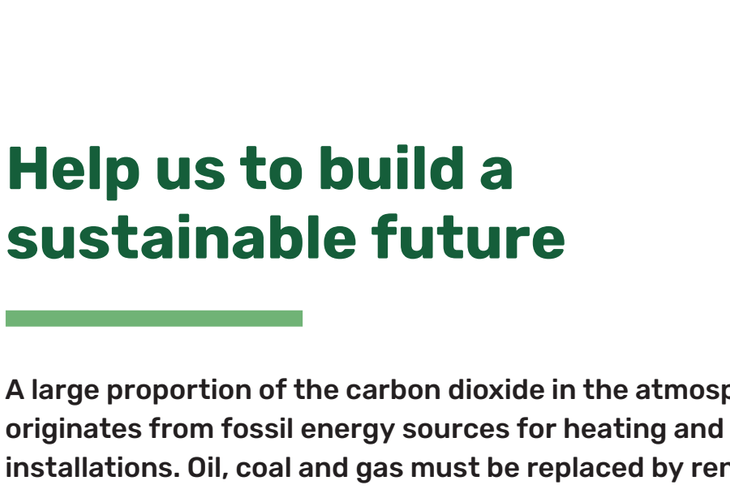
Our wide product range provides cooling, heating, ventilation and hot water to your home, all with little impact on the environment, so that we can create a more sustainable future together.

Visit nibe.co.uk to view all our brochures

Help us to build a sustainable future

A large proportion of the carbon dioxide in the atmosphere originates from fossil energy sources for heating and hot water installations. Oil, coal and gas must be replaced by renewable energy sources that reduce the lasting damage to nature.

We value our Nordic heritage and, with nearly 70 years' experience of manufacturing climate solutions, we're inviting you to help us build a more sustainable future. By harnessing the renewable energy of nature and combining it with smart, innovative technology, we can offer efficient solutions that benefit everyone.



Start with a heat pump from NIBE

You reap multiple benefits when you replace fossil fuels with renewable energy. You get a more sustainable heating solution that helps you to reduce your carbon footprint. In addition, you can choose a more energy-efficient solution that can reduce your energy consumption and energy costs. You do both yourself and the environment a favour.

With a heat pump from NIBE, you can use the renewable energy from your surroundings to create a comfortable indoor climate. The heat pump offers immediate environmental returns in the form of reduced energy consumption and reduced emissions. The amount of electricity required is relatively low, as electricity is not the main source of power for the heat pump. Electricity is only required to operate the heat pump, which utilises the renewable energy allowing you to save up to 75% of your energy costs for heating and hot water. With energy prices rising all the time, you will be very happy with your decision.

Welcome to our world of indoor comfort

With the power of nature and smart technology, we help you to create a pleasant indoor climate with low energy consumption.

Exhaust air heat pumps from NIBE

The advantages of choosing an exhaust air heat pump from NIBE

Sustainable

Our Exhaust Air heat pumps use energy from nature to reduce the environmental impact. They are designed to give you an energy-efficient daily life without compromising on comfort. This is done, for example, by automatically adjusting the heating according to your habits and the weather forecast. All to give you cheaper, greener, and more reliable heating, both now and in the future.

Peace of mind

Having NIBE as your supplier ensures you great peace of mind. We're a Swedish company that's been manufacturing sustainable climate solutions for 70 years. This means our products have been adapted to the challenges of the Nordic climate.

Easy

We have expert NIBE Pro installers all over the country who can help you to make a quick and smooth decision regarding purchasing a NIBE heat pump. If you would like to know more and get in touch with an installer near you, please visit find an installer on our website **nibe.co.uk**
Our experts will answer your questions and give you all the help you need.

Visit nibe.co.uk to get in touch

Say hello to the S Series

Upgrade to sustainable and weather-adapted heating

When it’s time for a new heat pump, choose real comfort. With the S Series at the heart of your home, you get a pleasant indoor climate all year round, sustainable energy consumption, and full control from your mobile.

Suits all houses

Our intelligent and energy-efficient heat pumps in the S Series adapt to the conditions of your house and your needs. This makes them suitable for all houses and easy to switch to. They always have the latest software and adjust the heating according to your habits and the weather forecast. All to give you cheaper, greener, and more pleasant heating, both now and in the future.

An investment you can feel confident in

The S Series contains our most advanced products to date, and is the result of Swedish engineering skill. They are designed to meet tomorrow’s challenges in technology and innovative design. Elegant and timeless, to blend in with the heart of your home. Made in Sweden for the challenges of the Nordic climate and to give you great comfort and low energy consumption – while you do nature a favour.

Advantages of the S Series

Regardless of which S Series heat pump you choose, you get:

- Wi-Fi connection with the possibility of connecting the heat pump to your smart home
- User-friendly touchscreen with colour display
- Temperature control according to weather forecasts
- Automatic software updates
- Voice assistant control support
- The option of adding smart wireless accessories for increased comfort

NIBE exhaust air heat pumps

Create a comfortable indoor temperature by reusing the energy from warm indoor air as it passes through your ventilation system.

With an exhaust air heat pump from NIBE, you can heat, ventilate and supply hot water to your home simply and efficiently. Create a comfortable indoor temperature by reusing the energy from warm indoor air as it passes through your ventilation system.

Exhaust air heat pumps are a compact and efficient solution for new build flats, apartments and smaller properties.

By using renewable energy, you can reduce your energy costs while doing the environment a favour.

Exhaust air heat pump
NIBE S735

The NIBE S735 is an intelligent inverter-controlled exhaust air heat pump with an integrated hot water heater, providing heating, hot water and ventilation efficiently and economically. It provides large savings as it automatically adapts to your home's heating needs.

The NIBE S735 has a high seasonal performance factor, which results in low operating costs. Its low noise level, stylish design and compact size make it easy to put in place and install. Designed for new builds and also suitable for retrofit. The NIBE S735 can be docked to other heat sources, and with the NIBE supply air module it is also suitable for homes with exhaust and supply air ventilation.

With integrated wifi and the possibility of connecting to wireless accessories, the S Series will become a natural part of your connected home. Smart technology adjusts the indoor climate automatically and gives you enjoy full control over the system via your smartphone or tablet. High comfort level and low energy consumption – and you're doing nature a favour at the same time.

- High seasonal performance factor and low operating costs for both new builds and retrofit.
- Low noise level, stylish design and compact size make it easy to put in place and install.
- User-friendly touchscreen and integrated wireless connection with energy-saving smart technology for a high level of comfort.

A+++

Product's efficiency class for room heating, 35°C

A++

Product's efficiency class for room heating, 55°C

NIBE S735		4	7
System efficiency class, room heating 35/55°C [1]		A+++/A++	
Product efficiency class, room heating 35/55°C [2]		A+++/A++	
Declared tap profile/efficiency class hot water heating [3]		A / XL	
$SCOP_{EN14825}$ average climate, 35°C / 55°C		4.75 / 3.57	4.50 / 3.67
$SCOP_{EN14825}$ cold climate, 35/55°C		5.02 / 3.69	4.75 / 3.81
Nominal heating output (P_{design})	kW	4	6
Output data in accordance with EN 14511 Specified heating output (P_H) [4]	kW	1.01	1.16
Output data in accordance with EN 14511 COP [4]		3.41	3.90
Output data in accordance with EN 14511 Specified heating output (P_H) [5]	kW	1.38	1.57
Output data in accordance with EN 14511 COP [5]		4.54	5.19
Output data in accordance with EN 14511 Specified heating output (P_H) [6]	kW	4.22	5.37
Output data in accordance with EN 14511 COP [6]		3.18	2.55
Sound output level in accordance with EN 12102 ($L_{W(A)}$) [7]	dB(A)	39-47	40–53
Rated voltage	V	400 V 3 N ~ 50 Hz	
Hot water capacity 40 °C EN16147 [8]	litres	223-264	
Height (excluding inverter box including base)/width/depth	mm	2025/600/620	
Weight complete heat pump	kg	216	229

[1] Scale for system's efficiency class, room heating: A+++ – G. Reported system efficiency takes the product's temperature regulator into account. [2] Scale for product's efficiency class, room heating A+++ – D. [3] Scale for efficiency class, hot water: A+ – F. [4] A20 (12) W35, exhaust air flow 25 l/s (90 m³/h) min. compressor frequency. [5] A20 (12) W35, exhaust air flow 70 l/s (252 m³/h), max. compressor frequency. [6] A20 (12) W45, exhaust air flow 70 l/s (252 m³/h), max. compressor frequency [7] Value varies with selected fan speed. For more comprehensive sound data, including sound to channels, visit nibe.se [8] Value varies depending on choice of comfort mode (economy, normal or deluxe).

Wireless accessories for the S Series

RMU S40

The RMU S40 allows you to control and monitor the heat pump from a different part of the home than where the heat pump is located. The room unit also has an in-built temperature sensor.

CDS 10 Wireless CO_2, temperature and humidity sensor

This wireless sensor allows you to read the CO_2, temperature and humidity level in a room or climate zone using the myUplink app. For NIBE S-series heating installations with ventilation the indoor comfort level can automatically be adjusted to give you a comfortable indoor climate. For example, you can increase ventilation and lower the CO_2 level when there are a lot of people present or lower the ventilation to further reduce your energy costs. Because it is battery powered, it is easy to install, but it can also operate with an external power source using a micro USB.

Mount the thermostat in your room and connect it to your NIBE S-series heat and ventilation installation.

THS 10 Wireless temperature and humidity sensor

This wireless sensor allows you to read the temperature and humidity in a room or climate zone using the myUplink app. On the heat pump you can see the current room temperature or change it in °C.
THS 10 replaces the fixed indoor sensor. Because it is battery powered, it is easy to install.

Mount the thermostat in your room and connect it to your NIBE S-series heating installation.

ROT 10 Wireless room thermostat

The wireless room thermostat allows you to read and control the temperature of a room or a climate zone from the display of the room thermostat or via the myUplink app in your smartphone. For instance by increasing the ventilation when you have many guests or lower the ventilation for better savings when you are not at home. Because it is powered by a rechargeable battery, it is easy to install.

Mount the thermostat in your room and connect it to your NIBE S-series heat pump.

RPP 10 Repeater

Enhances the signal, improving communication between your smart home products when they are placed at a distance from each other. For NIBE S-series heating installations, the repeater functions as a switch, giving you the opportunity to control it remotely, schedule On and Off times and measure energy consumption.

Plug in the repeater and connect it to your NIBE S-series heating installation.

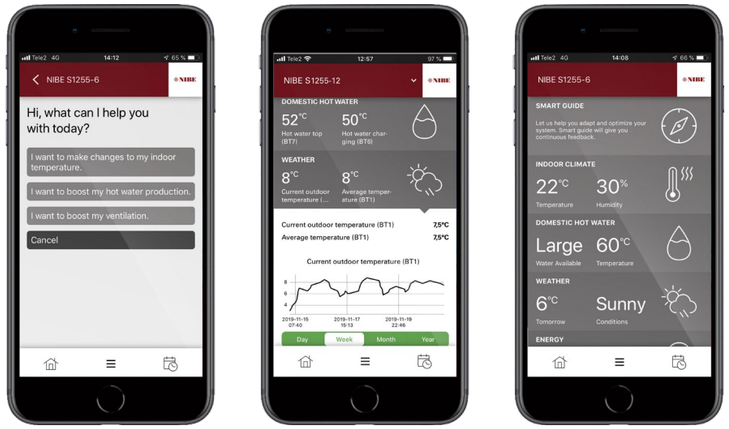
The key to your smart home

myUplink

With a heat pump in the S Series connected you can easily control your heating, hot water, and ventilation system via the myUplink app. You get a quick overview of the heat pump's status and the heating in your home.

You can always take the heat pump with you on your mobile phone and feel safe in the knowledge that it will let you know if something happens. For example, it will alert you to any malfunctions via push messages from the app and by email.

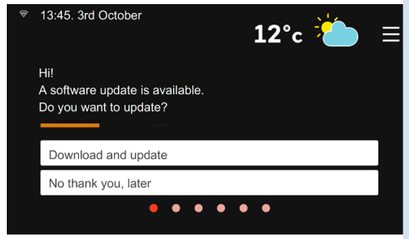
Through myUplink, you will receive information about software updates, as well as access to the Weather Forecast Control function free of charge. A Premium subscription gives you the option of adjusting settings to your heat pump in the app, regardless of where you are. This allows you to adjust the comfort and energy consumption further according to your needs. You also gain access to historical data and a number of intelligent services, such as voice control and IFTTT*, allowing you to connect several smart products to each other. If you want to control your heat pump remotely, your installer can help you get started with the myUplink app.



myUplink

Always updated

myUplink makes it possible to update the software wireless, giving you optimized operation with the latest functions. All you need to do is confirm the update in the heat pump's display.



Weather forecast control

With weather forecast control, you can allow your heat pump to adapt according to the weather forecast, which is particularly good in the event of rapid changes in the weather. Your intelligent heat pump is more proactive and knows when a change in the weather is coming, and can manage shifts in temperature even more effectively.

Smart home accessories for extra comfort

Wireless accessories help you to benefit from the full potential of the S Series. They make it even easier to adapt the indoor climate and energy consumption entirely to your needs. The accessories are small units that communicate with the connected heat pump. They adjust the indoor climate automatically to optimise the comfort using low energy consumption. You can sit back and relax or change the settings manually as needed. All so that the house and those who live in it feel good.

*IFTTT is a free-of-charge online service that enables you to get the most out of your smart home technology. Connecting products and services in your home ensures a high level of comfort.

Roof mounted Solar Energy
NIBE PV Photovoltaic package

NIBE PV is an integrated solution which is based on a fully modular system with the following basic sizes: 3.6 and 7.2, kW. Each size consists of a number of base packages with 10 panels and a nominal power of 3.6 kW, mounting parts and a suitable inverter with communication module, all of which are ready for installation. The solar package can easily be expanded with additional solar panels for optimum use of roof space.

NIBE PV comprises of monocrystalline silicon cell panels which use PERC half-cell technology, with an output of 360 Wp. The solar panels are elegant, all-black panels. NIBE PV harnesses sunlight all year round and converts it into electricity. NIBE PV can be connected to your NIBE heat pump* for high energy efficiency.

- Flexible modular system which can be expanded easily.
- Elegant, all-black panels which use PERC technology for maximum efficiency.
- Connect to a NIBE heat pump for maximum energy efficiency.

* applies to systems which can be connected to NIBE Uplink/myUplink.

Solar panel		3.6 kW	7.2 kW
Numbers of panels		10	20
Area	m^2	18	36
Rated output at STC (Pmpp)	Wp	360	
Rated voltage (Umpp)	V	34,3	
Rated current (Impp)	A	10,5	
External dimensions (Width x Height x Depth)	mm	1755x1038x35	
Weight	kg	21	
Suitable for roof types.		tiled roof, sheet metal roof, bitumen roof, standing seam sheet metal roof	

Inverter		PVI10-3	PVI20-4
Max. power out- put [1]	kW	3	4
External dimensions (Width x Height x Depth)	mm	347x432x145	354x433x147
Weight	kg	14	15
Voltage		1x230	3x400
Max number of strings		2	
Number of trackers		2	
Enclosure class		IP 65	

[1] Has to be fused according to the max. power output or the max. DC power, if that is lower.

The NIBE F series

Exhaust air heat pumps

Exhaust air heat pump
NIBE F470

NIBE F470 is an all-in-one exhaust and supply air heat pump which provides heating, ventilation, heat recovery and hot water efficiently, simply and economically. With its stylish design and compact size, the heat pump is easy to accommodate and install.

With its built-in hot water tank, immersion heater, circulation pump, fans and control system, the heat pump provides a reliable and economical source of heat. The heat pump can be connected to any low-temperature distribution system, e.g. radiators, convectors or under floor heating.

Thanks to smart technology, the product gives you control over your energy consumption, and will be a key part of your connected home. The efficient control system automatically adjusts the indoor climate for great comfort, and you do nature a favour at the same time.

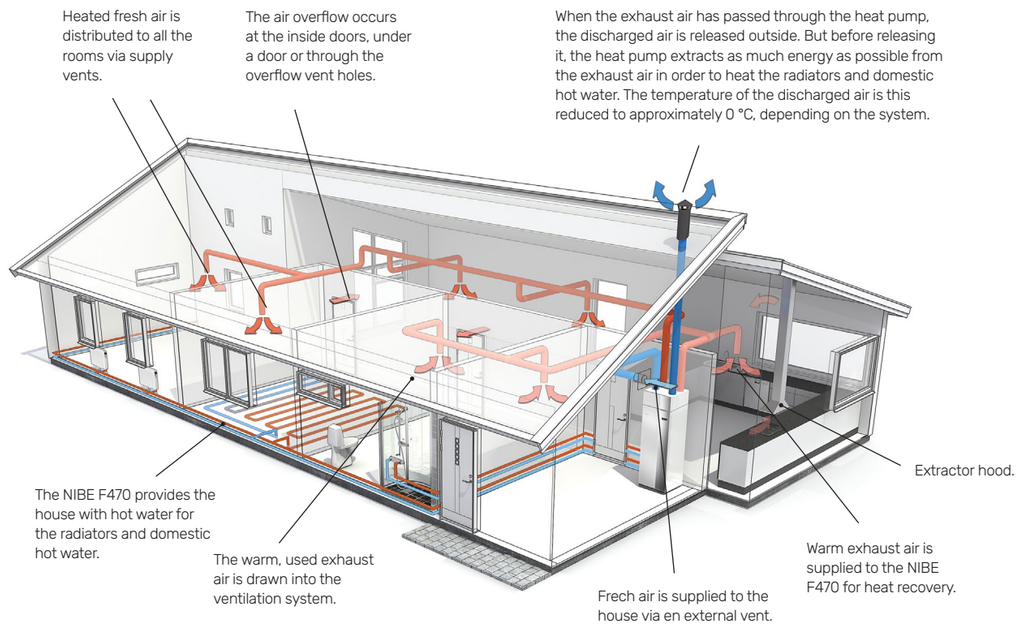
- Heating, hot water, ventilation and heat recovery.
- Cost-effective residential heating for the renovation and conversion market.
- A connected home with smart technology for a simpler life.

A+

System's efficiency class for room heating, 35°C

A+

System's efficiency class for room heating, 55°C

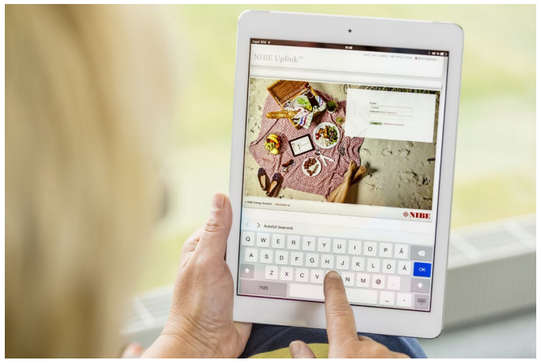


F-Series aditional Features

NIBE has a wide range of complementary accessories that are under continuous development in order to maximise the output of each product and create a customised comfort system for each customer.

Solar PV Package

NIBE PV is an integrated solution which is based on a fully modular system with the following basic sizes: 3.6 and 7.2, kW. Each size consists of a number of base packages with 10 panels and a nominal power of 3.6 kW, mounting parts and a suitable inverter with communication module, all of which are ready for installation. The solar package can easily be expanded with additional solar panels for optimum use of roof space



NIBE Uplink – *Freedom – no matter where you are*
By allowing other connected units to communicate with NIBE Uplink, the heating system becomes part of your smart home. NIBE Uplink's app provides a quick overview of the comfort system. Only consume energy when it's actually needed, and create a perfect indoor climate in your home while keeping energy costs low.

- Quick and easy remote control of your energy consumption.
- Smart standard, available in most NIBE heat pumps for hydronic heating systems.
- A connected home with smart technology for a simpler life.

IFTTT

A web-based service that enables you to use smart home technologies to the fullest. Connect products and services in the building for great comfort.

Royal Winchester House meets renewable targets with NIBE Exhaust Air Heat Pumps

Comer Homes is renowned for the high quality of its residential and commercial developments, which span London, Hertfordshire, Dorset and throughout the South East.

Its latest project is Royal Winchester House, a landmark building of one and two bedroom apartments at the heart of Bracknell's new town centre. As a planning requirement of Bracknell Forest Council, Comer Homes was required to provide a sustainable, low energy form of heating that would offer a reduced carbon footprint, as well as being affordable to run.

Comer Homes specified F730 Exhaust Air Heat Pump systems from NIBE for all 337 apartments on the development to ensure they could meet their renewable targets. The new homes builder employed MKP Consultants Limited to undertake the building services design as they had previous experience of NIBE systems on other apartment developments in the area.

The NIBE F730 Exhaust Air Heat Pump system was an ideal solution, as it offers mechanical extract ventilation, alongside heating and hot water in a compact design. The heat pump units were installed in a service cupboard in each apartment, as they have a small footprint of only 0.6m^2.

NIBE F730 operates by recovering energy from the ventilation air and, if desired, extracted from outdoor air, the heat energy is absorbed by the heat pump using a vapour compression process and subsequently transferred to the water-borne heating system, in this case an underfloor heating system. The integrated 180L domestic hot water cylinder also ensures a plentiful supply for the one- and two-bedroom properties.

A sustainable solution, NIBE F730 keeps energy consumption to a minimum. The efficient control system automatically adjusts the indoor climate for maximum comfort for the occupant, using a combination of weather compensated control and the low energy inverter driven compressor.

Each apartment is also fitted with a NIBE RMU 40 room controller, to allow greater flexibility of control for users and if required can be easily connected to NIBE's internet remotely monitoring and control platform UPLINK™.

Thanks to this innovative heat pump system, residents at Royal Winchester House are set to benefit from lower energy bills and a reduced carbon footprint.

The NIBE F730 system complies with Parts L, F and G of the building regulations, and helps to meet planning requirements designed to reduce energy consumption and carbon footprints within residential housing developments. External noise is kept to a minimum and building aesthetics are unaffected by the need for external plant.

Head of Projects at Comer Homes, Jack O'Brien explains: "We were looking for a heating and ventilation system that would be both sustainable and affordable to run. We have been impressed with the performance of NIBE's heat pumps, with their high efficiency, low noise and low running costs further enhancing the sustainability of the whole development."

For more details about energy efficient heating from NIBE, visit our website nibe.co.uk

Every day, we work to make the world better

Right from the start, we have been committed and focused on developing new methods for better energy efficiency. In this way, NIBE plays an important role in the global transition to a more sustainable society. And we're proud of that.

We also know how complex the issue of sustainability is, and how important it is to act responsibly as a company when it comes to our own employees and suppliers, as well as the impact our products have on the climate and society around us throughout their life cycle – a task we take very seriously.

Sustainability in different areas

We work with business responsibility throughout our entire value chain, and ethics is an important part of our business. As a customer, you should be able to trust us. Environmental responsibility is also an important part of our entire processing chain, which begins with our suppliers and ends with you, the customer. This means that we strive to reduce the environmental and climate impact of our products throughout their entire life cycle.

The key to achieving our goals today and in the future is also to be able to retain and attract new, competent, committed employees. As part of society, we must also act responsibly as a company, for example by engaging in social projects, both locally and globally.

We support the UNGC and the goals adopted by the UN as part of the 2030 Agenda for Sustainable Development

Since 2014, NIBE has been committed to following the 10 principles of the United Nations Global Compact (UNGC). The UNGC is a voluntary initiative based on commitments from company management to implement sustainability principles and actively enter into a partnership to support the UN's long-term goals.

In September 2015, the member states of the UN adopted the Sustainable Development Goals (SDGs). The 17 sustainability goals guide every member's commitment in establishing a clear plan and, by 2030, taking the necessary measures to create long-term sustainable development, end extreme poverty, combat the climate crisis and reduce inequalities and injustices in the world. We have chosen to work primarily with 6 of the 17 global goals set out in Agenda 2030.

NIBE's commitment to Agenda 2030

7	Increase the proportion of products based on renewable energy and meet the market's need for energy-efficient and clean energy solutions.
8	Promote a safe and secure working environment, protect workers' rights and ensure decent working conditions in both their own activities and in the supply chain, along with protecting jobs and growth.
9	Make production more sustainable by using resources efficiently, using clean and eco-friendly technologies, and providing resources for research and development.
11	Provide resource-efficient and climate-adapted components, products and solutions that contribute to sustainable cities and secure infrastructure.
12	Apply sustain- able methods of chemical management and reduce emissions to air, water and soil. Economise resources, minimise waste, recycle and reuse more. Report sustainability information transparently in our reporting cycle.
16	Respect and maintain national and cross-border legislation, and actively work against all forms of corruption. Create systems for internal control of compliance with legislation and ethical business principles.

Learn more about our sustainability work at nibe.co.uk

Read more about our sustainable energy solutions at nibe.co.uk

Ground source heat pumps
Ground source heat is stored solar energy harvested from deep within the ground, the bottom of lakes or just a few metres below your lawn. With a ground source heat system, you can create a pleasant indoor climate, and not only supply your home with heating and hot water but also cool it down on warm summer days. This kind of renewable energy means that you can lower your energy bills AND help the planet at the same time.

Air source heat pumps
With the help of an air source heat pump, you can keep your home warm in winter and cool in summer, while lowering your energy bills at the same time. By harnessing one of nature's free and renewable energy sources, you can create a pleasant indoor climate with a low environmental impact.

Exhaust air heat pumps
By installing an exhaust air heat pump, you can easily and effectively supply your home with heating, hot water and ventilation. Create a pleasant indoor climate by reusing the energy from the warm air as it passes through your ventilation system.

Solar panels
Start generating your own energy with solar products from NIBE. Plus, connecting the system to your intelligent heat pump will multiply the energy you harvest. By integrating the products in one system, you can reduce your energy bills and use renewable energy effectively.

Water heater
NIBE has been creating water solutions for over 60 years. Our complete range of hot water solutions complements our selection of heat pumps.

Sustainable energy solutions since 1952

For 70 years, NIBE has been manufacturing energy-efficient and sustainable climate solutions for your home. It all started in Markaryd in Sweden and we value our Nordic heritage by harnessing the power of nature. We combine renewable energy with smart technology in order to offer effective solutions so that together we can build a more sustainable future.

Whether it's a chilly winter’s day or a hot summer’s afternoon, we need a well-balanced indoor climate for a comfortable everyday life, whatever the weather. Our wide range of products supplies your home with heating, hot water, ventilation and cooling, so that you can create a pleasant indoor climate with a low impact on nature.

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NIBE

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