NIBE
AIR SOURCE 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.

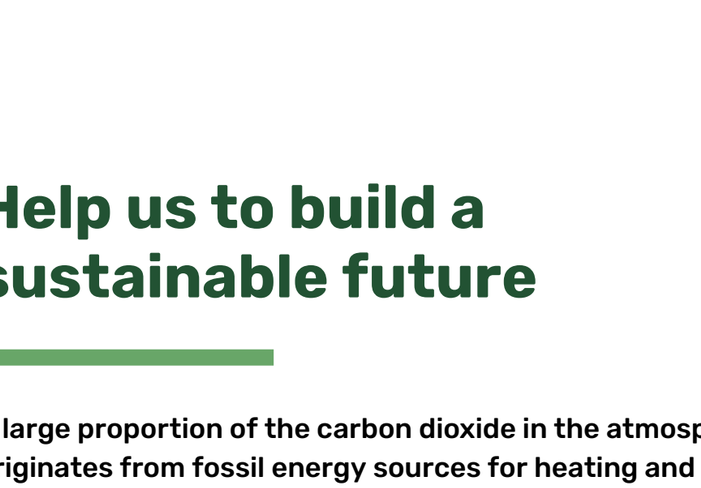
Our wide product range provides cooling, heating, ventilation and hot water to your home, all with little impact on the environment, so that we can create a more sustainable future together.

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 to 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.

The advantages of choosing an air source heat pump from NIBE

Sustainable

Our air source heat pumps use the power of nature to give a low environmental impact. They're designed to save energy for you without compromising on comfort. Together with an S-series indoor module, they automatically adjust your heating according to your habits and the weather forecast. Everything to give you cheaper, greener and more comfortable heating, 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

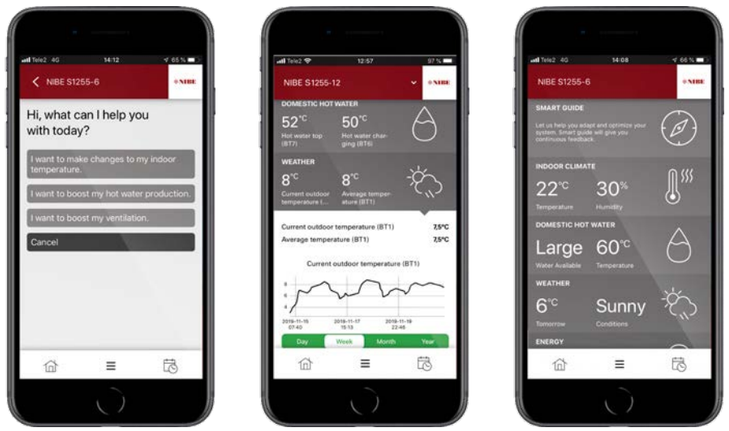
The key to your smart home

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.

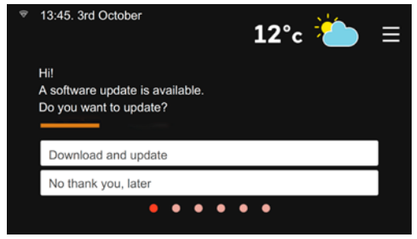
Through myUplink, you will receive information about software updates, as well as access to the Weather Forecast Control function free of charge. A Premium subscription gives you the option of adjusting settings to your heat pump in the app, regardless of where you are. This allows you to adjust the 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 wirelessly, giving you optimised 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.

The NIBE S-series

Air source heat pumps

Thanks to the endless supply of air – one of nature's free and renewable energy sources – you can create a pleasant indoor climate with a low environmental impact.

Heat pump technology is based on a very simple, well-known principle – the same one used in an ordinary refrigerator. By extracting heat energy from the outside air, even at lower temperatures, a NIBE air source heat pump can supply your home with heating and hot water. The process can also be reversed to provide cooling during the summer months.

A NIBE air source system consists of an outdoor module combined with an indoor or control module. They work together to create a complete climate system that's easy to install, run and maintain.
This system is compatible with other energy sources and you can easily install additional functions, such as ventilation and pool heating.

S-series – Air source heat pumps from NIBE

NEW! Coming soon

Air source heat pump
NIBE S2125

NIBE S2125 is an intelligent, inverter-controlled air source pump. With NIBE indoor modules, it forms a very efficient climate system for your home. NIBE S2125 provides optimised savings as it automatically adapts to your home's output requirements all year around.

The NIBE S2125 has an optimised seasonal performance factor*, which results in low operating costs and high-performance hot water. The working area gives a supply temperature of up to 75°C. At an outdoor temperature down towards –25°C, it still delivers up to 65°C, while the noise level stays low. Available in two power sizes, 8 and 12.

Together with the NIBE S-series indoor module with built-in wifi connection and the possibility of wireless accessories, the S-series is a natural part of your connected home. Smart technology adjusts the indoor climate automatically while you're in complete control from your phone or tablet. Giving high comfort and low energy consumption, while doing nature a favour at the same time.

- Optimised seasonal performance factor* and low operating costs.
- Working range up to 75°C supply temperature and 65°C at an outdoor temperature of –25°C.
- New design for low noise level.

A+++

System's efficiency for room heating.

A XXL

Product's efficiency class and load profile for hot water with NIBE VVM S320.

*The NIBE S2125 has a rating of SCOP of 5.0 (Average climate, 35/55 °C) and SCOP of >4.1 (Cold climate, 35/55 °C) in accordance with European standard EN 14825:2018, i.e. the standard for determining the reference seasonal effect level, SCOP. Applies to S2125 -8 and -12.

NIBE S2125		8	12
Product's efficiency class 35/55°C [2]		A+++/A++	A+++/A+++
System's efficiency class, room heating 35/55°C [1]		A+++/A+++	
Efficiency class, hot water/charging profile [3]		A/XL	
$SCOP_{EN14825}$ Average climate, 35/55°C		5,00 / 3,70	5,00 / 3,80
$P_{designh}$ average climate 35/55°C	kW	5,33 / 5,30	6,80 / 7,60
$SCOP_{EN14825}$ cold climate, 35/55°C		4,10 / 3,20	4,20 / 3,40
$P_{designh}$ cold climate 35/55°C	kW	5.4/5.2	8.4/8.4
7/35 Heat capacity/COP, EN14511, nominal	kW	3,15/5,18	3,67/5,21
Sound level (L_{WA}), EN12102 at 7/45, nominal	dB(A)	49	
Rated voltage		230 V – 50Hz	
CO_2- equivalent (hermetically sealed refrigerant circuit) [4]	tonnes	0,0024	
Height/width/depth	mm	1070/1130/820	
Weight (excluding packaging)	kg	150	160

[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++ – G. [3] Scale for efficiency class, hot water: A – G.
[4] The NIBE S2125 does not require annual inspection in accordance with the F-Gas Regulation.

Indoor module
NIBE VVM S320

The NIBE VVM S320 is designed for combination with any NIBE air source heat pump to create a highly efficient climate system for your home.

The NIBE VVM S320 has a smart, user-friendly control system which provides efficient heating/cooling and hot water with high performance. The NIBE VVM S320 is ready for installation since the water heater, electric additional heat, self-regulating circulation pump, filling valve, manometer, safety valve and expansion vessel are included.

For more information on our indoor modules see pages 26-27 .

- Combine with a NIBE air source heat pump for an integrated system.
- Smart, user-friendly control system.
- User-friendly touch control and integrated wireless connectivity with energy saving smart technology for maximum comfort.

NIBE VVM		S320
Additional power	kW	7 (1x230V)
Tap volume 40°C during Medium	l	210 l
Main features		Complete and plug-in solution for easy installations
Connection		Top
Rated voltage	V	230V–50Hz
Height / Width / Depth	mm	1800/600/622
Weight[1)]	kg	R: 123
Compatible outdoor units		NIBE F2040-6 / F2040 -8 / F2040 -12 / S2125-8 / S2125-12

[1)] Weight stainless steel excluding packaging and without water - 123kg

S-series – Air source heat pumps from NIBE

Control module
NIBE SMO S40

The NIBE SMO S40 gives optimized control of the climate system and is designed to be combined with NIBE air source heat pumps to provide an integrated climate system for homes and properties.

The NIBE SMO S40 offers maximum flexibility when it comes to system solutions. The control module can be connected to components such as a water heater, additional heat sources and other accessories specific to a customised installation. Up to eight NIBE air source heat pumps can be connected to SMO S40

- Smart, user-friendly system with touch control for maximum flexibility.
- Multiple property solutions with up to eight NIBE air source heat pumps.
- In combination with a NIBE air source heat pump – a part of your energy-saving smart home.

NIBE SMO S40		
Controls up to		8 heat pumps
External heat source		3 steps for electrical heater with mixing valve
Self-regulating circulator pump		CPD11, available in 2 sizes
Supply voltage		230V–50Hz
Enclosure class		IP21
Height / Width / Depth	mm	350/540/110
Weight	kg	5
Compatible outdoor units		NIBE S2125-series, NIBE F2040-series,
Accessories		Wide range including extra heating circuit, pool, solar, ventilation heat recovery unit, room display etc.

Heat recovery ventilation unit
NIBE ERS S10

The NIBE ERS S10 is a heat recovery ventilation unit with high temperature efficiency up to 90% and low energy consumption. The heat recovery ventilation unit is used in houses with areas up to approx. 300 m².

The NIBE ERS S10 is designed for installation with a NIBE ground source heat pump or a NIBE air source heat pump for a complete heating and ventilation system. The heat recovery ventilation unit is easily controlled by the heat pump.

- Heat recovery ventilation unit with high temperature efficiency and low energy consumption.
- Together with NIBE VVM S320 it provides a solution in houses with balanced ventilation.
- In combination with a NIBE S series heat pump or indoor module – a part of your energy-saving smart home.

A+

The product's efficiency class.

NIBE ERS S10-400		
Efficiency class[1]		A
Supply voltage		230 V ~ 50 Hz
Fuse	A	10
Driving power fan	W	85 x 2
Enclosure class		IPX1
Filter type, exhaust air filter		ISO Coarse
Filter type, supply air filter		ePM1 55%
Noise Level ($L_{P(A)}$)[2]	dB(A)	47
Ventilation Ø	mm	160
Condensation water drain		G32
Length, supply cable	m	2.4
Length, control cable	m	2.0
Height / Width / Depth	mm	900 / 600 / 612
Weight	kg	40

[1] Scale for efficiency class: A+ to G. [2] 295 m³/h (82 l/s) at 50 Pa

Room unit
NIBE RMU S40

The NIBE RMU S40 is a wireless*/wired room unit with a 2.8" touch screen and built -in temperature and humidity sensors. You use it for remote control and monitoring of your NIBE S series heat pump, as a supplement to the myUplink app in your smartphone or tablet. The room unit is easy to position and simple to use with an intuitive interface. The room unit also enhances the signal between your smart home products when these are located at a distance from each other.

- Room unit with a 2.8" touchscreen.
- Control and monitor your NIBE smart heat pump from another room.
- A part of your energy-saving smart home, in combination with a NIBE S series heat pump.

*Requires external power source, micro USB, purchased separately.

NIBE RMU S40		
Connection		Wireless or connected to heat pump
Power supply		Wired to heat pump or via 5V USB supply
Rear dimensions (Width x Height x Depth)	mm	88x88x8
Display dimensions (Width x Height x Depth)	mm	64x85x16
Rated voltage (from main product		12VDC 40mA
Rated voltage (external USB)		5VDC 250mA

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.

Wireless accessories for the S series.

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.

Contact your installer to order smart accessories for your NIBE S-series.

The NIBE F-series

Air source heat pumps

Air source heat pump
NIBE F2040

NIBE F2040 is an intelligent and compact inverter-controlled air source heat pump. NIBE F2040 provides optimum savings since the heat pump automatically adapts to your home's output requirements all year round.

The heat pump works down to an outdoor temperature of –20°C and at the same time supplies up to 58°C in supply line temperature. The effective cooling function allows the heat pump to deliver a comfortable indoor climate even at high outdoor temperatures.

- Compact heat pump that adapts to your home's requirements.
- High capacity even down to –20°C and effective cooling function.
- Energy-saving smart technology with user-friendly control.

A+++

Energy efficiency class package label, 35 °C

A++

Energy efficiency class package label, 55 °C

NIBE F2040		6	8	12	16
Efficiency class 35/55°C Package Label[1]		A+++/A++			
Efficiency class 35/55°C Product Label[2]		A+++/A++	A++/A++		
Efficiency class and tap profile for hot water[3]		A/XL – A/XXL			
$SCOP_{EN14825}$ Average climate 35/55°C		4.8/3.5	4.4/3.3	4.4/3.4	4.5/3.4
$P_{designh}$ Average climate 35/55°C	kW	4.8/5.3	8.2/7.0	11.5/10.0	14.5/14.0
$SCOP_{EN14825}$ Cold climate 35/55°C		3.7/3.0	3.6/2.8	3.6/2.9	3.7/2.9
$P_{designh}$ Cold climate 35/55°C	kW	4.0/5.6	9.0/10.0	11.5/13.0	15.0/16.0
7/35 Heat capacity / COP, EN14511, nominal	kW	2.67/5.32	3.86/4.65	5.21/4.78	7.03/4.85
Sound power level (L_{WA}), EN12102 at 7/45, nominal	dB(A)	50	54	57	61
Rated voltage	V	230 V 50 Hz, 230 V 2AC 50 Hz			
CO_2-equivalent (hermetically sealed refrigerant circuit)[4]	ton	3.13	5.32	6.06	8.35
Height / Width / Depth	mm	791 / 993 / 364	895 / 1035 / 422	995 / 1145 / 452	1450 / 1145 / 452
Weight (excluding packaging)	kg	66	90	105	135

[1] Scale for the system's efficiency class room heating: A+++ to G. Reported efficiency for the system also takes the temperature regulator into account. If the system is supplemented with an external additional boiler or solar heating the total efficiency of the system must be recalculated. [2] Scale for the product's efficiency class room heating: A+++ to D. [3] Scale for efficiency class hot water: A+ to F. 4) NIBE F2040 doesn't require annual inspection according to the F-gas directive.

Heat recovery ventilation unit
NIBE ERS 20-250

The heat recovery ventilation units ERS 10 and ERS 20 are both easy to install together with a NIBE heat pump or indoor module. They can be controlled from the display of the heat pump.

The unit is intended for both new installations and replacement in houses or similar. ERS is suitable for ventilation systems where high temperature efficiency and low energy consumption are required. ERS 10 is normally used in homes with an area of up to approx. 300 m², ERS 20 to approx. 200 m².

- Provides a complete exhaust and supply air solution for NIBE ground source or air/water heat pump.
- ERS is controlled via the ground source heat pump / indoor module, which means that all measurement values are visible in the main product's display.
- Up to 92% recovery.

A

The product's efficiency class.

NIBE ERS 20-250		
Supply voltage		230 V ~ 50 Hz
Fuse		A
Driving power fan	W	100 x 2
Enclosure class		IP21
Filter type, exhaust air filter		G4
Filter type, supply air filter		F7
Noise Level $L_{w(A)}$	dB(A)	47.4 / 50 [2]
Ventilation connection	mm	Ø125
Connection, condensation water drain	mm	Ø15
Length, supply cable	m	2.4
Length, control cable	m	2.0
Height / Width / Depth	mm	241 / 1202 / 673
Weight	kg	25

[1] 287 m³/h (80 l/s) at 50 Pa
[2] 105 m³/h at 50 Pa / 250 m3/h at 140 Pa (at 1 m)

Indoor control modules and hot water

The flexible indoor and control modules from NIBE provide efficient heating, cooling, and hot water supply at high performance. With our advanced technology, you will be able to control your indoor comfort from wherever you are.

The NIBE VVM S320 indoor module is an all-in-one unit that include a smart and user-friendly control system, water heater, electrical addition, self-regulating circulating pump, and further functions that will help you create an efficient indoor climate.

The NIBE VVM S320 also includes a filling loop, pressure gauges, safety valves and an expansion vessel; everything that is needed for the normal installation.

The control modules provide a flexible solution that can be easily customised. that easily can be customised. System components such as water heaters, additional heat sources, and other accessories are chosen depending on the specific setup.

For technical information see page 16.

- Intelligent integrated controller, advanced technology, easy to understand, simple to use.
- Control your comfort online and stay in touch with your system wherever you are via myUplink or Uplink also available as an app.
- Smart Energy Source function with NIBE VVM and NIBE SMO S40 for optimal integration of prioritised heating sources.

NIBE SMO Control Modules

NIBE SMO Control modules provide a flexible solution that you can easily customise, allowing you to integrate your heat pump with both existing or new systems. Additional heat sources and other accessories are chosen specifically for the actual set-up.

The entry model NIBE SMO 20 is a perfect choice for a system with heating, cooling and hot water supply. It handles one heat pump and has a range of accessories. Onboard functionality supports control of the charge pump, 3-step addition both for heating and hot water, main circulator pump, a switching valve for hot water and an AUX relay.

The more advanced NIBE SMO S40 can handle up to eight heat pumps. It has all the onboard functionality that NIBE SMO 20 offers, but also allows you to add extra functions, advanced dockings, and also supports an external heat source.

Choose the right NIBE SMO for my home

	NIBE SMO S40	NIBE SMO 20
		
Compatible outdoor units	All sizes of: NIBE S2125, NIBE F2040	
Controls up to	8 heat pumps	1 heat pump
Self-regulating circulator pump	Available in 2 sizes, CPD11	
External heat sources	3 steps for electrical heater or boiler with mixing valve Allowes prioritized heating sources	3 step electrical heater
Accessories	See nibe.co.uk	Room sensor
Dimensions H/W/D (mm)	350/540/110	410/360/110
Net weight	5 kg	4,3 kg

Hot water cylinders & buffer vessels

NIBE HA-WH5 megacoil

NIBE HA-WH5 Megacoil cylinders are available in three single coil versions for use with NIBE F2040 air source heat pumps ranging from 160-300 litres. The HA-WH5 Megacoil cylinders are manufactured from high grade stainless steel and come with a 25 year guarantee. Two twin coil solar versions are available in 200 and 300 litres versions providing up to 70% of the domestic hot water requirements by utilising the free energy provided by the sun.

- Smooth coil to resist limescale deposits
- Specifically designed for NIBE F2040 air source heat pump range
- High grade stainless steel with 25 year guarantee

B

Product's efficiency class for HA-WH5 160

NIBE HA-WH5 megacoil		160	200	200 Solar	300	300 Solar
Volume	Litre	148,5	179	174	271	267
Volume, charge coil	Litre	8,1	8,5	8,5	10,6	8,8
Net weight	kg	42	45	49	59	61
Equivalent amount of hot water (40°C)	Litre	198	234	232	361	356
Max pressure, primary side	bar/MPa	3/0.3				
Max pressure, water heater	bar/MPa	5,5/0,55				
Max recommended heat pump size	kW	12				
Efficiency class *		B	C			
Height / Diameter	mm	971/585	1129/585	1135/585	1608/585	1609/585

[1] Scale for efficiency class: A+ to G.

Hot water cylinders & buffer vessels

NIBE UKV

NIBE UKV 40, 100, 200, 300, 500, 750 and 1000 are buffer tanks used together with heat pumps to increase the volume of water in the system for more stable operation.

- Volume expansion for the heating system
- For a highly efficient and safe climate system without heat spikes.
- Chilled water options for NIBE UKV 200 and NIBE UKV 300 for systems with active cooling.

B

Product's efficiency class for NIBE UKV 40

		40	100	200	300	500	750	1000
Efficiency class[1]		B	C					
Max. temperature in the tank	°C	95		85				
Max. working pressure in the tank	(bar)	6			10		3	
Weight	kg	16	31	61	83	110	170	200
Volume	litre	39	98	218	296	496	741	992

[1] Scale for efficiency class: A+ to G.

Case Study – Air source heat pumps from NIBE

Barn Conversion benefits from a NIBE Air Source Heat Pump

Scattered across the fens of Cambridgeshire are many dilapidated farm buildings that are ripe for renovation.

One such barn, which was situated on family land, became a renovation project for owner Dan Houghton who embarked on the quest to create a new three bedroom home for himself and his partner and also utilise the skills he demonstrates in his occupation as a carpenter.

Whilst an alternative to mains gas was clearly necessary due to the barns off grid location, it was only as planning permission was sought that it became apparent that a renewable energy source was necessary to fulfil requirements.

It was this that led Dan to EcoInstaller, a local company who worked with him throughout the project to specify the correct products, install the system and take care of ongoing maintenance.

A NIBE F2040 8kW ASHP was specified along with a 200 litre water cylinder, 40 litre buffer tank and SMO S40 controller to give domestic controls and energy monitoring.

“Renovation projects are great to work on and this gorgeous barn has been rescued and turned into a delightful home which is warm and cosy even in its exposed location,” said Rebecca Hubbard EcoInstaller. “We worked with Dan during the specification stage of the project to ensure his planning requirements were fulfilled and that the correct products were installed to deliver warmth and hot water and meet his expectations.

Dan Houghton owner of Spring Meadow Farm commented, “Renewable heat systems were something that I wasn’t particularly aware of until the planning requirements were outlined by the local authority. Further investigation showed how reliable and how well performing such systems are and the early signs are that our Air Source Heat Pump is just what we needed to keep our home warm and deliver endless hot water.

“Eco-Installer have been completely fantastic and guided us through the process, helping out and ensuring the correct products were installed. Not only would I recommend them I would also recommend the NIBE products and system to either off grid homeowners or those that are embarking on a renovation project.”

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

NIBE Pro

Why use a NIBE Pro Installer?

Once you've chosen the right NIBE system to meet your heating/ventilating needs, the next step is to ensure it is installed correctly so it can perform to its full potential. As a leading renewables manufacturer, NIBE understands the vital importance of quality installations, which is why we have built an extensive network of highly skilled, trusted installers across the country. Our NIBE Pro installers are fully trained and accredited to fit our products to the highest possible standards, so you can benefit from optimum results and full peace of mind. They are also MCS certified – currently an essential requirement to qualify for government renewable heating funding.

NIBE PRO installers:

- Have completed NIBE product training
- Can offer you an extended warranty
- Have experience fitting NIBE technology
- Are MCS certified
- Are signed up to NIBE's code of practice

Under NIBE's code of practice installers must:

- Perform professionally, competently and responsibly
- Comply with all relevant UK regulations, standards and codes of practice
- Install and commission all NIBE equipment in accordance with all NIBE's procedures and installation manuals
- Complete benchmark check lists for NIBE products
- Fully demonstrate correct system operation and controls to customers
- Register installations on NIBE's website
- Liaise directly with customers and respond to NIBE product enquiries in a quick and proficient manner
- Keep fully up to date with NIBE's product range as well as developments in the UK's plumbing and heating industry

Visit nibe.co.uk to find your local NIBE Pro installer

Air source heat pumps from NIBE

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, and 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 sustainable 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.

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

Read more about our sustainable energy solutions at www.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 cooling, heating, ventilation and hot water, so that you can create a pleasant indoor climate with a low impact on nature.

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