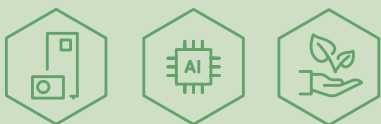




Sustainability  
is in our nature

# NIBE S SERIES 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.

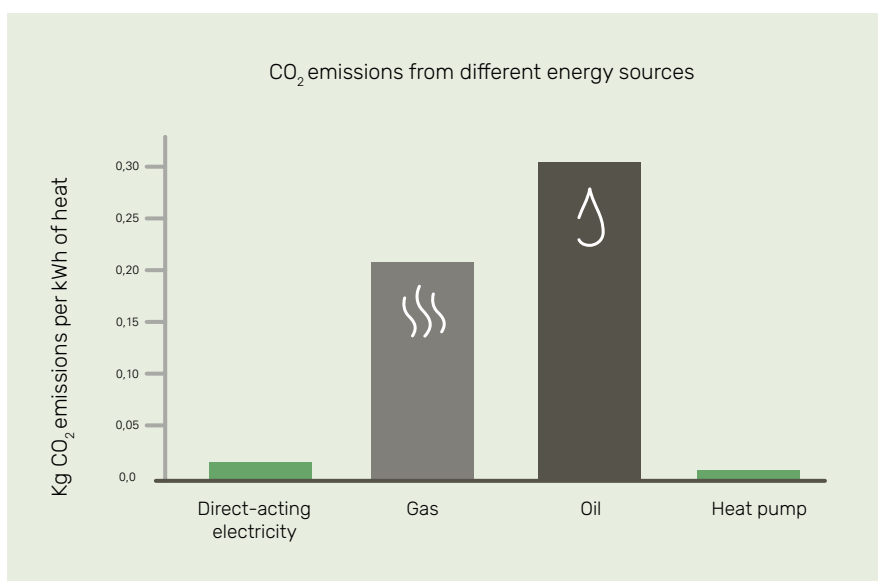
**The harsh Nordic environment, with its fluctuating climate, has shaped us and taught us how to adapt. Whether it's a cold winter's day or a warm summer afternoon, the temperature inside your home must be adjusted to ensure comfort at all times, whatever the weather.**

**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.**

# 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

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**You reap multiple benefits when you replace fossil fuels with renewable energy. You'll 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. You can actually reap the benefits of your investment after just one month.

**Get a loan for a sustainable investment - read more at [nibe.eu](https://nibe.eu)**



# Welcome to our world of indoor comfort

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







# The benefits of choosing a heat pump from NIBE

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## Sustainable

Our S series ground-source 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.



## Reliable

Having NIBE as a supplier means a high degree of reliability. We are a Swedish company that has been manufacturing sustainable climate solutions for almost 70 years. This means that our products have been adapted to the challenges of the Nordic climate. To ensure long, trouble-free ownership, the purchase includes a 3-year warranty and a 6-year insurance policy, which you can extend for up to 18 years.



## Simple

We have knowledgeable NIBE installers all over the country who can help you to make a quick and smooth heat pump replacement, regardless of the previous brand. If you would like to know more and get in touch with an installer near you, then book an appointment for a home visit and get a quote. Our experts will answer your questions and help you further.

## 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:

- Wifi 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



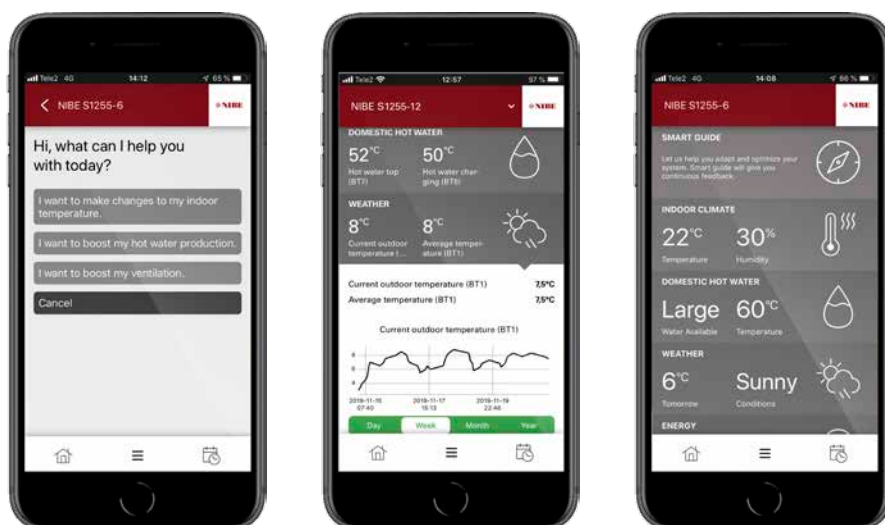
# The key to your smart home



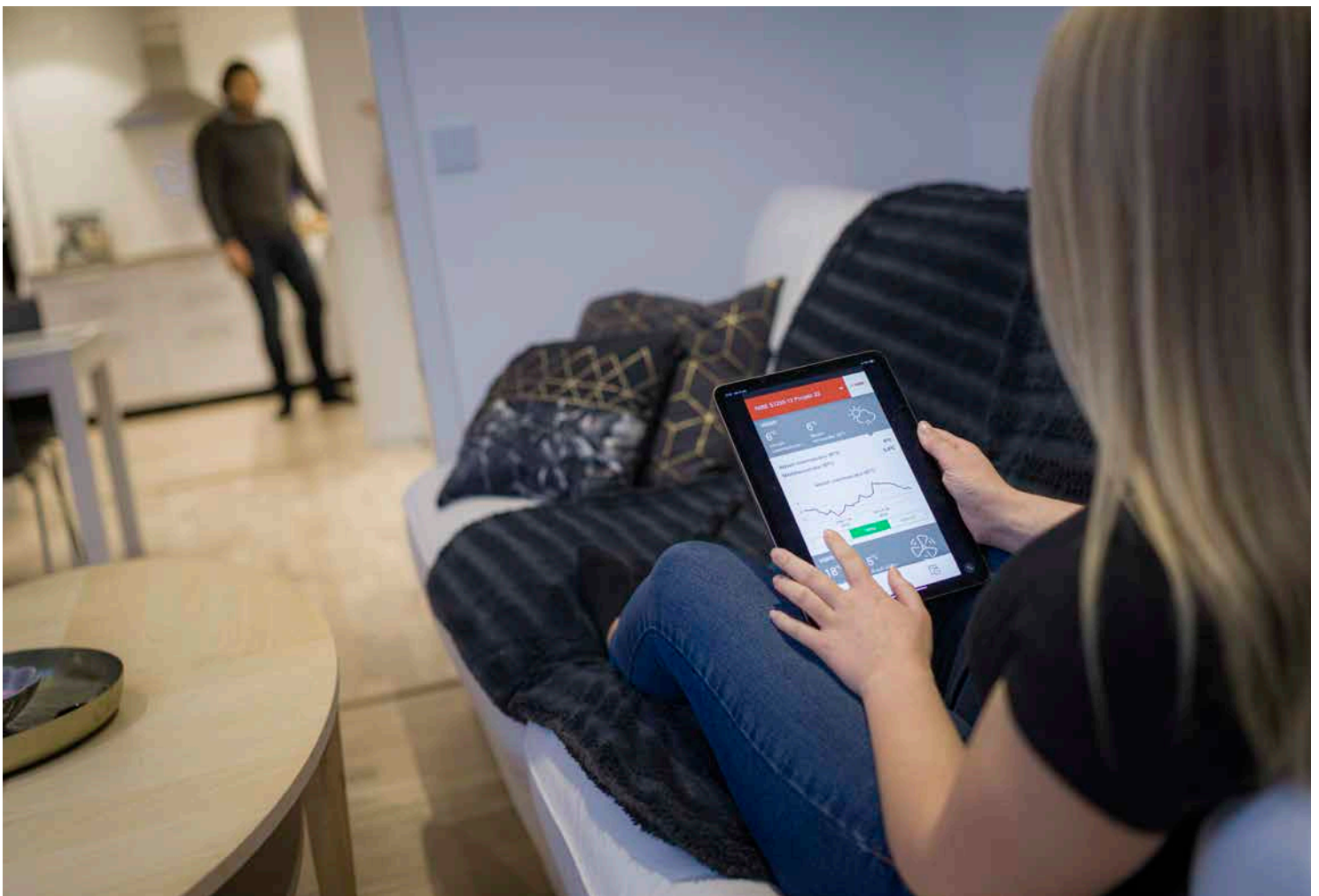
With a heat pump in the S series connected, you can easily control your heating, hot water, and ventilation system via the myUplink app. You get a quick overview of the heat pump's status and the heating in your home.

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 and Smart Price Adaption\* functions 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

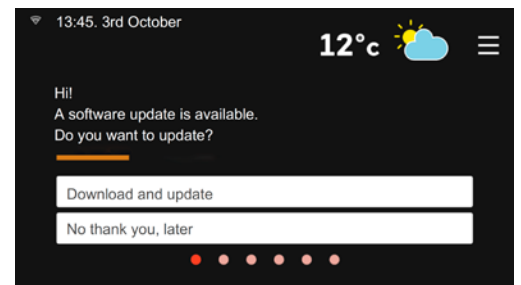
With weather forecast control, you can allow your heat pump to adapt according to the weather forecast, which is particularly good in the event of rapid changes in the weather. Your intelligent heat pump is more proactive and knows when a change in the weather is coming, and can manage shifts in temperature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

### Smart Price Adaption

When connected and using the Smart Price Adaption\* function, the heat pump works hardest when the electricity price is at its lowest. When you activate this service and the weather forecast control in myUplink, you can reduce your energy costs without affecting your comfort.

### 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.



\*Requires a variable electricity trading contract per hour. \*\*IFTTT is a free web-based service that allows you to take full advantage of your smart home technology. By connecting products and services in your home, you will enjoy a high level of comfort.

# NIBE S series

## Ground-source heat pumps

**By harvesting power from nature, you can create a pleasant indoor climate in your home with a low impact on the environment.**

Ground source heat is pure solar energy stored in the ground and the bottom of lakes. It starts at the surface, when the sun shines more strongly during the spring, and is then stored deeper in the ground as the weather gets warmer. With a ground source heating system from NIBE, you can create a pleasant indoor climate and supply your home with both heating and hot water, as well as cooling on hot summer days.

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

The ground source heat pump extracts heat from the solar energy stored in the ground, using either buried collectors or holes drilled deep into the ground. Using a mix of water and eco-friendly antifreeze which circulates in a

sealed loop, the heat energy is extracted from the ground and transferred to the heat pump.

### Simple replacement

Choose NIBE's speed-controlled ground-source heat pumps, NIBE S1155/S1255 NIBE F1155/F1255/F1355, for a smooth replacement of your heat pump.

If your old heat pump needs replacing, you may need to supplement your collector system.

There are many reasons for this, the most important being the significantly lower efficiency level of older heat pumps, and therefore shallower boreholes. The combination of the speed control of NIBE S1155/S1255 and NIBE F1155/F1255/F1355 and the KB function allow the heat pump to adjust its operations to maximise the capacity of the existing collector system, so it is neither too much nor too little.



## Ground-source heat pump

### NIBE S1255



The NIBE S1255 is an intelligent, inverter-controlled ground-source heat pump with an integrated copper water heater as standard but, depending on the water quality, stainless steel or enamel are also available as alternatives. NIBE S1255 provides optimised savings as the heat pump always automatically adapts to your home's heating demands. NIBE is a leading player in the field of inverter technology, with many years' experience of output-regulating ground source heat pumps and one of the widest product ranges on the market.

The NIBE S1255 has a high seasonal performance factor, which results in low operating costs. The heat pump is available in three different output sizes: 1.5–6 kW, 3–12 kW and 4–16 kW, and is suitable for both small and large properties.

With integrated wifi connection, the NIBE S Series becomes a natural part of your connected home. Smart technology adjusts the indoor climate automatically while you exercise complete control from your phone or tablet. High comfort level and low energy consumption – and you're doing nature a favour at the same time.

- Three output sizes and leading inverter technology for optimised customisation.
- Optimised seasonal performance factor and operating cost.
- User-friendly touchscreen and integrated wireless connection with energy-saving smart technology for a high level of comfort.

**A+++**

The system's efficiency class for heating.

**A**  **XL**

Product efficiency class and tap profile for hot water.

| NIBE S1255  |        | 1.5 – 6 kW       | 3 – 12 kW | 4 – 16 kW |
|---|--------|------------------|-----------|-----------|
| Product's efficiency class 35/55°C <sup>2)</sup>                              |        | A+++/A+++        |           |           |
| System efficiency class, room heating 35/55°C <sup>1)</sup>                   |        | A+++/A+++        |           |           |
| Efficiency class, hot water/charging profile <sup>3)</sup>                    |        | A/XL             |           |           |
| Nominal heating output (P <sub>design,h</sub> )                               |        | 6                | 12        | 16        |
| SCOP <sub>EN14825</sub> cold climate, 35 °C / 55 °C                           |        | 5.5 / 4.1        | 5.4 / 4.3 | 5.5 / 4.2 |
| SCOP <sub>EN14825</sub> average climate, 35 °C / 55 °C                        |        | 5.2 / 4.0        | 5.2 / 4.1 | 5.2 / 4.1 |
| Output data according to EN 14511 nominal 0 / 35 – Rated output               | kW     | 3.15             | 5.06      | 8.89      |
| Output data according to EN 14511 nominal 0/35 – COP <sub>EN14511</sub>       |        | 4.72             | 4.87      | 4.85      |
| Sound power level (L <sub>WA</sub> ) <sub>according to EN 12102 at 0/35</sub> | dB(A)  | 36 – 43          | 36 – 47   | 36 – 47   |
| Rated voltage   |        | 400V 3N – 50 Hz  |           |           |
| Quantity of refrigerant in CO <sub>2</sub> -equivalent                        | tonnes | 2.06             | 3.55      | 3.90      |
| Height/width/depth  | mm     | 1800 / 600 / 620 |           |           |
| Integrated hot water heater   | l      | 180              |           |           |
| Weight of complete heat pump  | kg     | 220              | 250       | 255       |

<sup>1)</sup> Scale for product's efficiency class, room heating A+++ to D. <sup>2)</sup> Scale for system's efficiency class for room heating: A+++ – G. Reported system efficiency takes the product's temperature regulator into account. <sup>3)</sup> Scale for efficiency class, hot water: A+ – F.

## Ground-source heat pump

### NIBE S1255 PC



NIBE S1255 PC is an intelligent, inverter-controlled ground source heat pump with integrated passive cooling and an integrated hot water tank.

NIBE S1255 PC provides optimum savings since the heat pump always performs efficiently and automatically adapts to your home's heating demand all year round. NIBE is a leading player in the field of inverter technology, with many years experience of variable output ground source heat pumps and one of the widest product ranges on the market. NIBE S1255 PC has a high seasonal performance factor, resulting in minimal operating costs. The heat pump is available in the output size: 1.5–6 kW.

With integrated wifi, 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 maximum comfort and minimum energy consumption, while doing nature a favour at the same time.

- Heat pump with integrated hot water tank and cooling.
- High seasonal performance factor and minimal operating costs with leading inverter technology that adjust operation according to requirements.
- User-friendly touch control and integrated wireless connectivity with energy saving smart technology for maximum comfort.

**A+++**

The system's efficiency class for heating.

**A**  **XL**

Product efficiency class and tap profile for hot water.

| NIBE S1255 PC   |       | 1.5 – 6 kW       |
|---|-------|------------------|
| Space heating efficiency class 35°C / 55°C <sup>1)</sup>                |       | A+++ / A+++      |
| Space heating efficiency class of the system 35°C / 55°C <sup>2)</sup>  |       | A+++/A+++        |
| Efficiency class hot water / charging profile <sup>3)</sup>             |       | A / XL           |
| Nominal heating output (P <sub>design</sub> )                           | kW    | 6                |
| SCOP <sub>EN14825</sub> cold climate, 35°C / 55°C                       |       | 5.5 / 4.1        |
| SCOP <sub>EN14825</sub> average climate, 35°C / 55°C                    |       | 5.2 / 4.0        |
| Output data according to EN 14511 nominal 0/35 – Rated output           | kW    | 3.15             |
| Output data according to EN 14511 nominal 0/35 – COP <sub>EN14511</sub> |       | 4.72             |
| Sound power level (L <sub>WA</sub> ) according to EN 12102 at 0/35      | dB(A) | 36 – 43          |
| Rated voltage   |       | 400V 3N – 50 Hz  |
| Refrigerant amount in CO <sub>2</sub> -equivalent                       | ton   | 2.06             |
| Height / Width / Depth  | mm    | 1800 / 600 / 620 |
| Intergrated hot water heater  | l     | 180              |
| Weight complete heat pump   | kg    | 240              |

<sup>1)</sup> Scale for the product's efficiency class room heating: A+++ – D. <sup>2)</sup> Scale for the system's efficiency class room heating: A+++ – G. Reported efficiency for the system takes the product's temperature regulator into account. <sup>3)</sup> Scale for efficiency class hot water: A+ – F.



## Ground-source heat pump

### NIBE S1155



NIBE S1155 is an intelligent, inverter-controlled ground-source heat pump without an integrated hot water tank, which makes it easy to install in places with lower ceilings. A separate hot water tank is selected according to hot water requirements. NIBE S1155 provides optimised savings, as the heat pump automatically adapts to your home's heating demands. NIBE is a leading player in the field of inverter technology, with many years' experience of output-regulating ground source heat pumps and one of the widest product ranges on the market.

The NIBE S1155 has a high seasonal performance factor, which results in low operating costs. The heat pump is available in four different output sizes; 1.5-6 kW, 3-12 kW, 4-16 kW and 6-25 kW, and is suitable for both small and large homes.

With integrated wifi connection, the NIBE S Series becomes a natural part of your connected home. Smart technology adjusts the indoor climate automatically while you're in complete control from phone or tablet. High comfort level and low energy consumption – and you're doing nature a favour at the same time.

- Leading inverter technology and separate water heater for optimum customization.
- Integrated cooling, high seasonal performance factor and minimal operating costs.
- User-friendly touch control and integrated wireless connectivity with energy saving smart technology for maximum comfort.

**A+++**

The system's efficiency class for heating.

**A**  **XL**

Product efficiency class and tap profile for hot water.

| NIBE S1155  |        | 1.5 – 6 kW       | 3 – 12 kW | 4 – 16 kW | 6 – 25 kW |
|---|--------|------------------|-----------|-----------|-----------|
| Product's efficiency class 35/55°C <sup>1)</sup>                        |        | A+++ / A+++      |           |           |           |
| System efficiency class, room heating 35/55°C <sup>2)</sup>             |        | A+++ / A+++      |           |           |           |
| Efficiency class, hot water/charging profile <sup>3)</sup>              |        | A / XL           | A / XXL   |           |           |
| Nominal heating output (P <sub>designH</sub> )                          |        | 6                | 12        | 16        | 25        |
| SCOP <sub>EN14825</sub> cold climate, 35°C / 55°C                       |        | 5.5 / 4.1        | 5.4 / 4.3 | 5.5 / 4.2 | 5.5 / 4.1 |
| SCOP <sub>EN14825</sub> average climate, 35°C / 55°C                    |        | 5.2 / 4.0        | 5.2 / 4.1 | 5.2 / 4.1 | 5.2 / 4.0 |
| Output data according to EN 14511 nominal 0 / 35 – Rated output         | kW     | 3.15             | 5.06      | 8.89      | 12.68     |
| Output data according to EN 14511 nominal 0/35 – COP <sub>EN14511</sub> |        | 4.72             | 4.87      | 4.85      | 4.68      |
| Sound power level (L <sub>WA</sub> ) according to EN 12102 at 0/35      | dB(A)  | 36–43            |           |           |           |
| Rated voltage   |        | 400 V 3N – 50 Hz |           |           |           |
| Refrigerant quantity in CO <sub>2</sub> -equivalent                     | tonnes | 2.06             | 3.55      | 3.90      | 4.39      |
| Height/width/depth  |        | 1500 / 600 / 620 |           |           |           |
| Weight of complete heat pump  |        | 139              | 167       | 172       | 205       |

<sup>1)</sup> Scale for product's efficiency class, room heating A+++ to D. <sup>2)</sup> Scale for system's efficiency class for room heating: A+++ – G. Reported system efficiency takes the product's temperature regulator into account. <sup>3)</sup> Scale for efficiency class, hot water: A+ – F.

## Ground-source heat pump NIBE S1155 PC



The NIBE S1155 PC is an intelligent, inverter-controlled ground source heat pump with integrated passive cooling. The heat pump is easy to install even in locations with low ceilings, since the hot water tank is separate and is chosen according to hot water requirements. The NIBE S1155 PC provides optimum savings since the heat pump automatically adapts to your home's heating demand. NIBE is a leading player in the field of inverter technology, with many years' experience of variable output ground source heat pumps and one of the widest product ranges on the market.

The NIBE S1155 PC has a high seasonal performance factor, resulting in minimal operating costs. The heat pump is available in the output size: 1.5–6 kW.

With integrated wifi, 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 maximum comfort and minimum energy consumption, while doing nature a favour at the same time.

- Combine with a NIBE air/water heat pump for an integrated climate system.
- Smart, user-friendly control system.
- User-friendly touchscreen and integrated wireless connection with energy-saving smart technology for a high level of comfort.

**A+++**

The system's efficiency class for heating.

**A**  **XL**

Product efficiency class and tap profile for hot water.

| NIBE S1155 PC   |       | 1.5 – 6 kW       |
|---|-------|------------------|
| Space heating efficiency class 35°C / 55°C <sup>1)</sup>                  |       | A+++ / A+++      |
| Space heating efficiency class of the system 35°C / 55°C <sup>2)</sup>    |       | A+++/A+++        |
| Efficiency class hot water / charging profile with VPB S300 <sup>3)</sup> |       | A / XL           |
| Nominal heating output (P <sub>design</sub> )                             | kW    | 6                |
| SCOP <sub>EN14825</sub> cold climate, 35°C / 55°C                         |       | 5.5 / 4.1        |
| SCOP <sub>EN14825</sub> average climate, 35°C / 55°C                      |       | 5.2 / 4.0        |
| Output data according to EN 14511 nominal 0/35 – Rated output             | kW    | 3.15             |
| Output data according to EN 14511 nominal 0/35 – COP <sub>EN14511</sub>   |       | 4.72             |
| Sound power level (L <sub>wa</sub> ) according to EN 12102 at 0/35        | dB(A) | 36 – 43          |
| Rated voltage   |       | 400V 3N – 50 Hz  |
| Refrigerant amount in CO <sub>2</sub> -equivalent                         | ton   | 2.06             |
| Height / Width / Depth  | mm    | 1500 / 600 / 620 |
| Weight complete heat pump   | kg    | 155              |

<sup>1)</sup> Scale for the product's efficiency class room heating: A+++ – D. <sup>2)</sup> Scale for the system's efficiency class room heating: A+++ – G. Reported efficiency for the system takes the product's temperature regulator into account. <sup>3)</sup> Scale for efficiency class hot water: A+ – F.

# The NIBE S-series

## Air/water 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/water 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/water 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.

A NIBE air/water system is compatible with other energy sources and you can easily install additional functions, such as ventilation and pool heating.



## Air/water heat pump

### NIBE S2125



NIBE S2125 is an intelligent, inverter-controlled air/water 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**

For hot water with NIBE VVM 310/VVM 320/VVM 325.

\*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 <sup>2)</sup>                                     |        | A+++/A++                        | A+++/A+++   |
| System's efficiency class, room heating 35/55°C <sup>1)</sup>                        |        | A+++/A+++                       |             |
| Efficiency class, hot water/charging profile <sup>3)</sup>                           |        | A/XL                            |             |
| SCOP <sub>EN14825</sub> Average climate, 35/55°C                                     |        | 5,00 / 3,70                     | 5,00 / 3,80 |
| P <sub>designh</sub> average climate 35/55°C   | kW     | 5,33 / 5,30                     | 6,80 / 7,60 |
| SCOP <sub>EN14825</sub> cold climate, 35/55°C  |        | 4,10 / 3,20                     | 4,20 / 3,40 |
| P <sub>designh</sub> cold climate 35/55°C  | kW     | 5,4/5,2                         | 8,4/8,4     |
| 7/35 Heat capacity/COP <sub>EN14511</sub> , nominal                                  | kW     | 3,15/5,18                       | 3,67/5,21   |
| Sound level (L <sub>wa</sub> ), EN12102 at 7/45, nominal                             | dB(A)  | 49                              |             |
| Rated voltage  |        | 230 V – 50Hz<br>400 V 3N – 50Hz |             |
| CO <sub>2</sub> - equivalent (hermetically sealed refrigerant circuit) <sup>4)</sup> | tonnes | 0,0024                          |             |
| Height/width/depth   | mm     | 1070/1130/820                   |             |
| Weight (excluding packaging)   | kg     | 150                             | 160         |

<sup>1)</sup> Scale for system's efficiency class, room heating. A+++ – G. Reported system efficiency takes the product's temperature regulator into account.

<sup>2)</sup> Scale for product's efficiency class, room heating A+++ – G. <sup>3)</sup> Scale for efficiency class, hot water: A – G.

<sup>4)</sup> The NIBE S2125 does not require annual inspection in accordance with the F-Gas Regulation.



## NIBE flexible indoor modules

**The flexible indoor and control modules from NIBE provide efficient and high-performance heating, cooling and hot water supply.**

**With our advanced technology, you can control your indoor comfort wherever you are.**

NIBE VVM indoor modules provide efficient heating/cooling and hot water with high performance. They come with a smart, user-friendly control system, water heater, additional electricity and a self-regulating circulation pump. VVM S320 and NIBE VVM 225 also include a filling valve, manometer, safety valve and expansion vessel – everything that is needed for a standard installation.

The NIBE VVM S320 and VVM 225 have a single-circuit system that requires the heating system's flow to be maintained above a minimum flow.

The NIBE VVM 310 and VVM 500 are two-circuit solutions in which the heating system flow is independent of the flow across the heat pump.

- 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 40 for optimal integration of prioritised heating sources such as wood boilers.

## Indoor module

# NIBE VVM S320



The NIBE VVM S320 is designed for combination with any NIBE air/water 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.

With integrated wifi, 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 maximum comfort and minimum energy consumption, while doing nature a favour at the same time.

- Combine with a NIBE air/water 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 | 9 (3x400V) / 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  | 400V 3N-50Hz / 230V 3N-50Hz / 230V-50Hz   |
| Height / Width / Depth        | mm | 1800/600/622  |
| Weight                        | kg | R: 123 / E: 163   |
| Compatible outdoor units      |    | NIBE F2040-6 / F2040 -8 / F2040 -12 / S2125-8 / S2125-12 / F2120-16<br>AMS10-6 + HBS05-06 / AMS10-8 + NIBE HBS05-12 /<br>AMS10-12 + NIBE HBS05-12 / AMS 20-6 + HBS 20-6 |

## 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/water 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/water heat pumps can be connected to SMO S40

The NIBE 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 maximum comfort and minimum energy consumption, while doing nature a favour at the same time.

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

| NIBE SMO S40                    |    |  |
|---------------------------------|----|--|
| Controls up to                  |    | 8 heat pumps   |
| External heatsource             |    | 3 steps for electrical heater or boiler 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 F2120-series, NIBE F2040-series, NIBE AMS + HBS -series, NIBE AMS 20 + HBS 20-series |
| Accessories                     |    | Wide range including extra heating circuit, pool, solar, ventilation heat recovery unit, room display etc.   |

# 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.**

Extract energy from the indoor air with an exhaust air heat pump. 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.

mechanical exhaust air ventilation enables you to reduce heating and hot water costs by a third or more compared to a conventional electric boiler. The rest is free!

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

An exhaust air heat pump is a profitable solution for new builds of up to 200 m<sup>2</sup>. Using





## 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 replacement. 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.

**A+++**

Product efficiency class for room heating, 35°C

**A++**

Product efficiency class for room heating, 55°C.

**A**  **XL**

Product efficiency class and tap profile for hot water.

- High seasonal performance factor and low operating costs for both new builds and replacement.
- 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.

| NIBE S735  |        |                   |
|--|--------|-------------------|
| System efficiency class, room heating 35/55°C <sup>1)</sup>  |        | A+++ / A++        |
| Product efficiency class, room heating 35/55°C <sup>2)</sup>                                       |        | A+++ / A++        |
| Declared tap profile/efficiency class hot water heating <sup>3)</sup>                              |        | A / XL            |
| SCOP <sub>EN14825</sub> average climate, 35°C / 55°C   |        | 4.50 / 3.67       |
| SCOP <sub>EN14825</sub> cold climate, 35/55°C  |        | 4.75 / 3.81       |
| Nominal heating output (P <sub>design,r</sub> )  | kW     | 6                 |
| Output data in accordance with EN 14511 Specified heating output (P <sub>h,r</sub> ) <sup>4)</sup> | kW     | 1.16              |
| Output data in accordance with EN 14511 COP <sup>4)</sup>  |        | 3.90              |
| Output data in accordance with EN 14511 Specified heating output (P <sub>h,r</sub> ) <sup>5)</sup> | kW     | 1.57              |
| Output data in accordance with EN 14511 COP <sup>5)</sup>  |        | 5.19              |
| Output data in accordance with EN 14511 Specified heating output (P <sub>h,r</sub> ) <sup>6)</sup> | kW     | 5.37              |
| Output data in accordance with EN 14511 COP <sup>6)</sup>  |        | 2.55              |
| Sound output level in accordance with EN 12102 (L <sub>w(A)</sub> ) <sup>7)</sup>                  | dB(A)  | 40–53             |
| Rated voltage  | V      | 400 V 3 N – 50 Hz |
| Hot water capacity 40 °C EN16147 <sup>8)</sup>   | litres | 223–264           |
| Height (excluding inverter box including base)/width/depth   | mm     | 2025/600/620      |
| Weight complete heat pump  | kg     | 213               |

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



## Exhaust air module

### NIBE FLM S45



The NIBE FLM S45 is an exhaust air module with a built-in fan, specially designed to combine the recycling of mechanical exhaust air with a NIBE ground-source heat pump, providing an integrated solution for ventilation, hot water and heating.

The NIBE FLM S45 has a high fan capacity and low noise level. Energy is recovered from the ventilation air; even when the heat pump is not in operation, energy is stored in the ground or soil collector and exhaust air energy is thus used efficiently.

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

- Provides an integrated solution for ventilation, hot water and heating.
- Efficient even when the heat pump is not in operation.
- Part of your smart home – control your ventilation online using myUplink.

| NIBE FLM S45  |                   |                 |
|---|-------------------|-----------------|
| Supply voltage  | V                 | 230 V NAC 50 Hz |
| Max. drive power in circulation pump                            | W                 | 70              |
| Fan drive power   | W                 | 175             |
| Enclosure class   |                   | IP 21           |
| Max. airflow  | m <sup>3</sup> /h | 350             |
| Lowest temperature, incoming secondary refrigerant              | °C                | -8              |
| Recommended maximum temperature, incoming secondary refrigerant | °C                | 15              |
| Highest temperature, outgoing secondary refrigerant             | °C                | 30              |
| Lowest pressure, secondary refrigerant                          | MPa/<br>bar       | 0.02/0.2        |
| Highest pressure, secondary refrigerant                         | MPa/<br>bar       | 0.3/3           |
| Noise level (LwA)   | dB                | 36–46           |
| Height/width/depth  | mm                | 396/600/556     |
| Weight  | kg                | 35              |

## Exhaust air module

### NIBE S135



The NIBE S135 is an exhaust air module designed for docking to a NIBE air/water heat pump and a NIBE VVM indoor module or NIBE SMO control module. The NIBE S135 uses the heat that is found in the house's ventilation air to heat the house and hot water, at the same time as ventilating the house. In installations with cooling, hot water and cooling can be produced at the same time.

The exhaust air module provides an improved seasonal performance factor and has a low noise level and high ventilation capacity. The NIBE S135 is easy to control through the heat pump's indoor module.

The NIBE 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 maximum comfort and minimum energy consumption, while doing nature a favour at the same time.

- Heating, hot water, cooling and ventilation in one system.
- Improves your seasonal performance factor combined with a NIBE air/water heat pump.
- In combination with a NIBE S Series indoor- or control module – a part of your energy-saving smart home.



The product's efficiency class.

| NIBE S135  |       |                     |
|--|-------|---------------------|
| Space heating efficiency class 35°C / 55°C <sup>1)</sup>                         |       | A+                  |
| Space heating efficiency class of the system 35°C / 55°C <sup>2)</sup>           |       | A+                  |
| Supply voltage   |       | 230 V – 50 Hz       |
| Enclosure class  |       | IP21                |
| Sound power level (L <sub>wa</sub> ) according to EN 12102 at 0/35 <sup>3)</sup> | dB(A) | 47.0                |
| Min air flow, air temperature <10°C  | l/s   | 25                  |
| Height / Width / Depth   | mm    | 490–515 / 600 / 605 |
| Weight   | kg    | 50                  |

<sup>1)</sup> Scale for the product's efficiency class room heating: A+++ – D. <sup>2)</sup> Scale for the system's efficiency class room heating: A+++ – G. Reported efficiency for the system takes the product's temperature regulator into account. <sup>3)</sup> The value varies with the selected fan speed. Visit [nibe.eu](http://nibe.eu) for more extensive sound data including sound to channels.

## Supply air module

### NIBE SAM S42



The SAM S42 is a supply air module specially designed to combine, together with the NIBE S735 exhaust air heat pump, the recycling of mechanical exhaust air with preheated supply air.

The SAM S42 has an efficient low-energy fan with high capacity and low noise levels. The supply air module takes outdoor air, heats and expels it into the building via the supply air inlet. It is mounted on a wall using the supplied wall rail. The SAM S42 can also be placed on the floor-standing CAB S12 cabinet accessory, which can hide other equipment. The SAM S42 can be placed to the right or left of the S735.

- Together with the NIBE S735, it provides an integrated supply and exhaust air system, also known as balanced ventilation.
- High capacity and low noise.
- Connected smart technology, control and the possibility of wireless accessories in combination with a NIBE S735 – part of your energy-saving home.

| NIBE SAM S42   |         |               |
|--|---------|---------------|
| Rated voltage  | V       | 230 V ~ 50 Hz |
| Enclosure class  |         | IP 21         |
| Min. pressure  | MPa/bar | 0.05 / 0.5    |
| Max. pressure  | MPa/bar | 0.25 / 2.5    |
| Volume of heater incl. buffer vessel litres                            |         | 53            |
| Filter type  |         | ePM1 55%      |
| Sound power level according to EN 12 102 ( $L_{w(A)}$ ) <sup>1)</sup>  | dB(A)   | 45-50         |
| Sound pressure level in installation room ( $L_{p(A)}$ ) <sup>2)</sup> | dB(A)   | 41-46         |
| Pipe connections   |         |               |
| Heating medium ext   | mm      | 22            |
| Ventilation  | mm      | 160           |
| Height/ Width/ Depth   | mm      | 915/600/625   |
| Weight   | kg      | 85            |

<sup>1)</sup> Value varies according to selected fan curve. For more detailed sound data, including sound to channel, visit [nibe.se](http://nibe.se).

<sup>2)</sup> Value may vary depending on room's damping capacity. These values apply at a damping of 4 dB.

## 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 m<sup>2</sup>.

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

The NIBE 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 maximum comfort and minimum energy consumption, while doing nature a favour at the same time.

- 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<sup>+</sup>**

The product's efficiency class.

| NIBE ERS S10-400  |       |                 |
|---|-------|-----------------|
| Efficiency class <sup>1)</sup>                          |       | 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%        |
| Sound pressure level (L <sub>P(A)</sub> ) <sup>2)</sup> | 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              |

<sup>1)</sup> Scale for efficiency class: A+ to G. <sup>2)</sup> 295 m<sup>3</sup>/h (82 l/s) at 50 Pa.

## Heat recovery ventilation unit

### NIBE ERS S40



The NIBE ERS S40-400 is a heat recovery ventilation unit with low energy consumption, a level of efficiency up to 85%, a built-in humidity sensor and a reheater. Thanks to the rotating heat exchanger, the moisture in the exhaust air is also recycled. The heat recovery ventilation unit is used in houses up to 250 m<sup>2</sup> and can even be placed in cold spaces. NIBE ERS S40-400 is delivered in left-hand version with regard to duct connection, but can also be converted to right-hand version.

The NIBE ERS S40-400 is installed together with a NIBE S series ground-source heat pump or a NIBE air/water heat pump with an S series VVM/SMO to constitute a complete heat and ventilation system. The heat recovery ventilation unit is easily controlled by the heat pump.

- The heat recovery ventilation unit with high temperature efficiency, low energy consumption and humidity control.
- For houses with balanced ventilation, a complete solution is offered together with NIBE's S series models.
- Easy to control and part of your smart home in combination with a NIBE heat pump.



Produktens effektivitetsklass

| NIBE ERS S40-350                                     |        |               |
|--|--------|---------------|
| Efficiency class <sup>1)</sup>                       |        | A             |
| Supply voltage                                       |        | 230 V – 50 Hz |
| Fuse   | A      | 10            |
| Driving power fan                                    | W      | 85 x 2        |
| Enclosure class                                      |        | IPX1B         |
| Filter type, exhaust air filter                      |        | Coarse 65 %   |
| Filter type, supply air filter                       |        | ePM1-55 %     |
| Sound power level (L <sub>W(A)</sub> ) <sup>2)</sup> | dB (A) | 41            |
| Ventilation connection                               | mm     | Ø160          |
| Length, supply cable                                 | m      | 2,4           |
| Length, control cable                                | m      | 2,4           |
| Height / Width / Depth                               | mm     | 600/600/620   |
| Weight   | kg     | 45            |

<sup>1)</sup> Scale for the product's efficiency class room heating: A+ – G. <sup>2)</sup> 270 m<sup>3</sup>/h (75 l/s) at 50 Pa. Please be aware that the product in this document may not be available in all markets.

## Room unit

# NIBE RMU S40



The NIBE RMU S40 is a room unit with 2,8" touch display with built in temperature and humidity sensors. It is used to control and monitor your NIBE S series heat pump/indoor module from another room in the house than the room where the heat pump is placed.

The NIBE 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 maximum comfort and minimum energy consumption, while doing nature a favour at the same time.

- Room unit with 2,8" touch display with swipe function.
- Control and monitor your NIBE S series heat pump from another room.
- A part of your energy-saving smart home in combination with a NIBE S series heat pump.

| NIBE RMU S40                            |    |   |
|---|----|---|
| Connection                              |    | Wireless or wired to heat pump          |
| Power supply                            |    | Wired to heat pump or via 5V USB supply |
| Plastic spacer (height / width / depth) | mm | 88 / 88 / 8                             |
| Size (height / width / depth)           | mm | 85 / 64 / 16                            |



## Wireless accessories for the S series.

### 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.



### CDS 10 Wireless CO<sub>2</sub>, temperature and humidity sensor

This wireless sensor allows you to read the CO<sub>2</sub>, 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<sub>2</sub> 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.



### 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.



### SRV 10 wireless radiator thermostat

The wireless radiator thermostat allows you to control the heat in your radiators via the myUplink app or directly by using the thermostat. It helps you to obtain a comfortable indoor temperature, to heat rooms only when you need to and to save energy, for example by lowering the temperature of your bedroom at night. Because it is battery powered, it is easy to install.

Exchange the thermostat on your radiator and pair the wireless radiator thermostat with your NIBE S-series heat pump for even more precise control of your heating system.



### 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. Please be aware that the products in this document may not be available in all markets.

## Storage tank

### NIBE VPB S200/S300



The NIBE VPB S200 /VPB S300 are efficient hot water tanks which is designed for connection to a heat pump, gas or oil boiler. The NIBE VPB S200/S300 has insulation made of polyurethane, which provides very good heat insulation.

The NIBE VPB S200 and the ground source heat pump NIBE S1155 have a customised design, providing a stylish system solution with the option of concealed piping between the products. The storage tank has insulation made of polyurethane, which provides very good heat insulation.

- Efficient hot water tank designed for connection to a heat pump or other energy source.
- Stylish design for customisation with NIBE S Series heat pump with minimal heat loss.
- A part of your energy-saving smart home in combination with a NIBE S series heat pump.

**C**

Produktens effektivitetsklass

| NIBE VPB                              |         | S200         |       |           | S300         |       |           |
|---------------------------------------|---------|--------------|-------|-----------|--------------|-------|-----------|
| Efficiency class <sup>1)</sup>        |         | C            |       |           |              |       |           |
| Corrosion                             |         | Koppar       | Emalj | Rostfritt | Koppar       | Emalj | Rostfritt |
| Volume                                | l       | 178          | 178   | 176       | 278          | 274   | 282       |
| Volume, solar coil                    | l       | -            | -     | -         | -            | -     | -         |
| Volume, charge coil                   | l       | 2            | 4,8   | 7,8       | 2            | 8,4   | 8,8       |
| Net weight                            | kg      | 101          | 111   | 80        | 130          | 143   | 101       |
| Equivalent amount of hot water (40°C) | l       | 230          | 238   | 235       | 362          | 364   | 376       |
| Max pressure, primary side            | bar/MPa | 3 / 0,3      |       |           |              |       |           |
| Max pressure, water heater            | bar/MPa | 10 / 1,0     |       |           |              |       |           |
| Max recommended heat pump size        | kW      | 12           |       |           |              |       |           |
| Höjd/bredd/djup                       | mm      | 1500/600/600 |       |           | 1800/600/600 |       |           |

<sup>1)</sup> Scale for efficiency class, hot water: A+ – F.

## Storage tank

# NIBE AHP S300, AHPH S300, AHPS S300



The NIBE AHP/AHPS/AHPH is an easy-to-manage, modular accumulator tank with many connection options. Each module in the system is 60 cm wide and has efficient insulation, resulting in low energy loss.

The NIBE AHPS/AHPH can be used to produce hot water through a combined hot water coil, and can handle high outputs – up to a 24 kW heat pump – resulting in a high hot water capacity for these “technology tanks”.

Connection on several different levels facilitates energy supply and output in most combinations. Docking takes place on the heat pump or other external heat source. The NIBE AHPS has a built-in, combined hot water coil for hot water production as well as a solar coil. The NIBE AHPS and NIBE AHPH can be extended with the NIBE AHP to the required system volume.

- Accumulator tank for hot water heating with multiple connection options.
- Handles high outputs, providing a high hot water capacity.
- Easy-to-manage modular system for customised volume requirements.

**C**

The product's efficiency class and tap profile for hot water.

| Typ                                  |         | NIBE AHP S300 | NIBE AHPS S300  | NIBE AHPH S300 |
|--------------------------------------|---------|---------------|-----------------|----------------|
| Efficiency class <sup>1)</sup>       |         | C             |                 |                |
| Max temperature                      | MPa/bar | 0,3/3         |                 |                |
| Max heat pump size                   | °C      | 85            |                 |                |
| Max. storlek på värmepumpen          | kW      | 24            |                 |                |
| Volume boiler section                | liter   | 270           | 250             | 250            |
| Volume hot water coil                | liter   | –             | 17              | 17             |
| Volume, solar coil                   | liter   | –             | 4,4             | –              |
| Max pressure in hot water coil       | MPa/bar | –             | 1,0/10          |                |
| Corrosion protection, hot water coil |         | –             | Stainless steel |                |
| Corrosion protection, solar coil     |         | –             | Copper          | –              |
| Weight                               | kg      | 105           | 126             | 116            |
| Height/Width/Depth                   |         | 1800/600/600  |                 |                |

<sup>1)</sup> Scale for efficiency class, hot water: A+ – F.



Having lived for a long time with a ground-source heat pump that was on its last legs, the Rehn family were longing for a new one. Instead of travelling to a warm destination, they invested in an intelligent and reliable heat pump in the new NIBE S series. "It's magical. The entire home has become more pleasant," says a relieved Andreas.

# Home is best! Smart heating for the Rehn family

In Lidhult in Småland, the bare ground has just reappeared after a real cold snap. Andreas and Lina, with their children Tuva and Fenix, have been out riding their motorcycles in the forest, and are happy but tired when they get back home. Dirty clothes and shoes are taken off in the hallway, but only children's feet run off to the kitchen where refreshments are waiting. It's nice and warm inside.

"Twenty degrees is a suitable indoor temperature for the warmth of summer," says Andreas. But in the winter I'd like to have a few more degrees of warmth inside."

It's been a year and a half since the family replaced their old heat pump. They have almost forgotten what it was like before.

"I don't understand that there can be such a big difference," Lina exclaims. "The new one is awesome. I haven't frozen once. We used to shut ourselves in the TV room and switch on the electric stove so that we wouldn't freeze. The worst thing was to be woken up by the alarm from the heat pump. It was always sounding an alarm, and we had terrible electricity bills. And when we were away, we had to hire a housesitter to restart the heat pump."

## Reliable and pleasant with the new S series

The Rehn family's old heat pump was sixteen years old, had suffered two compressor replacements, and had a display that was difficult to read. The timing was good, as it was just when NIBE's new S series was launched. S stands for smart.

"I love technology, and wanted to have the latest update," says Andreas. "Connection was a requirement. Just to be able to get the status via the phone, with alarms and notifications. Before, we had no idea if anything had happened to the heat pump when we weren't at home. We now have a reliable pump that consumes 7,000 kWh less per year.

It was magical," says Andreas, smiling. "The entire home has become more pleasant."

The Rehn family's new ground-source heat pump was one of the first NIBE S series products to be installed in Sweden. In the turn-of-the-century house, which is about 400 square metres, there were already two drilled holes of 170 metres each, and a separate hot water tank. The actual change was quick and smooth.

"The installer showed us how to control and monitor the heat pump, both in the heat pump's display and on our mobile phones," Lina explains. "They helped us to download the myUplink app on our mobile, and we named the system "Lina's house", set the heating to twenty-one degrees, and connected the heat pump to the family network. Done!"

## A heat pump in your mobile

Thanks to the myUplink app, Lina and Andreas can take the heat pump with them wherever they go.

"It feels reliable," says Andreas. "I know it will let us know if anything is needed. Like new software, for example. NIBE is constantly developing the software, updates are done wirelessly, and the heat pump always has the latest and best functions. It's also controlled by the weather forecast, so we have uniform and pleasant heating regardless of the weather, which is also reassuring."

For Lina and Andreas, it's a relief that the heat pump takes care of itself. They use the app the most when the family baths and showers, when they have guests, or when they want to get cosy in their indoor hot tub – they then "boost" the hot water.

The family love to travel, but the heat pump replacement was the start of a home major renovation, and now they are much happier at home. When they start travelling again, there are a lot of smart services on their mobile phones that they can use.

"Yes, then we can schedule the settings, set it to holiday mode when we travel, and save even more energy. But right now we just want to be at home," Lina concludes.



In the modern barn on Gotland, the borders between outdoors and indoors are almost completely blurred. Every detail has been carefully thought out, and the heating system is quiet as a mouse – all in harmony with nature. "It's a work of art," says Ebbe Damm about his summer house, featured in TV4's Grand Designs Sweden 2020.

# Pushed the boundaries to achieve peace and freedom.

Ebbe's and Ida's summer cottage is located on southern Gotland, where the island is at its narrowest, just over a kilometre from the sea. A little secluded with a fantastic view. It's summer holidays and a light rain cloud passes by as we talk.

"The area is part of Storsudret," explains Ebbe. There are a lot of artists living here, passionate people who appreciate nature and local produce. This creates a nice atmosphere.

The family lives in Stockholm, but has a strong connection to Gotland, which brings them here every summer.

"Gotland is a fantastic island," says Ebbe. "It gives me a sense of security and openness, freedom and calm. I was raised here for some time and we usually spend the summers in my childhood home. This property belonged to my stepfather and I learned how to harvest hay here."

## Dares to push boundaries

As a contractor, Ebbe is used to seeing new possibilities and realising dreams. With his friend, architect Leo Beccari, ideas took form.

"Leo and I looked at the property ten years ago, we started sketching and thinking about how we could push the boundaries and discover new opportunities, enabling full use of the house." What were you looking for? "A nice outdoor environment, an open fire, heat without dampness, something different that would nonetheless fit in on Gotland. Also, to keep the price down, and make the house efficient while maximising the experience of it."

The architecture was inspired by Ebbe's memories of summers on Gotland and his travels around the world. He also found inspiration in a nearby farm from the 13<sup>th</sup> century.

"I've always been fascinated by the roof height, structure and spaciousness of the barn, where the boundary between indoors and outdoors is blurred, where I feel free and happy."

The foundation is a concrete slab with underfloor heating both indoors and outdoors. The facade is of burnt pine, the roof of zinc and the living room lacks an outer wall but has an open fireplace. With its bold solutions and exquisite details Ebbe prefers to think of it as "a work of art, not a house".

"You can feel the steel in the handles, the concrete under your feet and the leather on the handrail. You feel the light that moves, the roof ridge that creates a tunnel out and all the sun's angles that change the house during the day – and the windowed kitchen that, at night, becomes a cube of light. I wanted every room to offer an experience."

## Total silence

He didn't want to see or hear the energy system. Thomas Ronström, at Ronströms VVS, did the installation.

"It was practical and economical to choose a slightly larger air/water heat pump so that the pool could use the same heat source, saving energy," explains Thomas. The indoor module with the pool accessory is located in a room in the garage. The attractive, quiet outdoor unit is against the garage wall. From there, there is a well-insulated 25-metre culvert that supplies heat to the house, with very little heat loss. The water heater is located in the house to provide hot water quickly.

"We chose NIBE because I think they're the best and because they have quiet products," explains Ebbe.

"Overall, the heat pump is powerful and reliable, a high-standard operational machine that provides nice, even heating. It has a really good, simple display. Everything just works. There's nothing that makes noise, it's totally silent."

With NIBE Uplink, Ebbe and Ida can control their house and pool heating and hot water, remotely.

"Having your heat pump on your mobile is a given these days, incredibly flexible," Ebbe concludes.



## Every day, we work to make the world better

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**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 to establish a clear plan and, by 2030, to take 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, ensure decent working conditions both in workers' own operations and in the supply chain, and safeguard employment and growth.



9

Make production more sustainable by using resources efficiently, using clean and environmentally friendly technologies and allocating funds to 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 for handling chemicals and reducing emissions to air, water and land. Conserve resources, minimise waste, recycle and reuse on a greater scale. Report sustainability information transparently in our reporting cycle.



16

Respect and uphold national and cross-border legislation, and work actively against corruption in all forms. Create systems for internal monitoring of legal compliance and compliance with ethical business principles.

# 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.

## **NIBE Energy Systems**

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