NIBE

EXPERT NEWS

2024 | FOR PROVIDERS OF INDOOR COMFORT

NEW PREMIUM RANGE FOR SPLIT

After a period of waiting, we are now in the process of delivering the new split range, which we previously told you about here in Expert News. NIBE's SPLIT SVM S332 and AMS 20 form part of the S-series and replace previous solutions.

"A large part of our portfolio is already in line with the upcoming legal requirements.""

Henrik Henningsson, Sales Manager
Sweden NIBE Energy Systems

Hello to all NIBE friends out there!

It's been a while since the last edition of Expert News. It's good to get a new edition again, so that you can browse and be inspired by all the great things happening here in Markaryd, but what we appreciate even more are the ideas that come in from you. I hope you'll also find something that takes your fancy in this issue.

A big event that took place recently was Nordbygg, a fantastic week with good meetings. At Nordbygg, we had the opportunity to show you and the market our plans for the future. The impression I got from the week is that our offer to the market is strong in terms of both market and legal requirements. A large part of our portfolio is already in line with the upcoming legal requirements, including those connected with the change in the F-Gas Regulation.

I would also like to take this opportunity to thank you very much for the great support you showed!

Take care, and happy reading,
Henrik

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NEW S735 - 4kW
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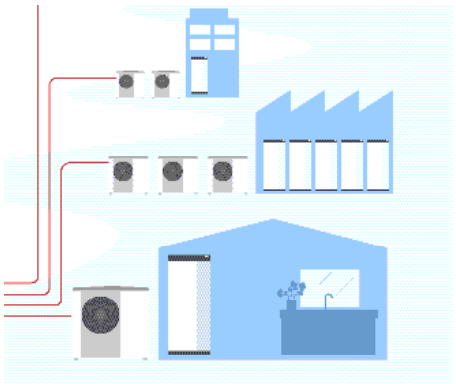

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SMO S40 CONTROL MODULE IS ALSO SUITABLE FOR HYBRID SOLUTIONS.
Now you can run ground-source heating and air/water together with the same control.

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NEWS

ENERGY-EFFICIENT COMFORT NOW FOR SMALL NEW HOUSES, TOO.

The new S735 exhaust air heat pump, previously available in the 7 kW output size, is now also available in 4 kW. The new size also provides up to 264 litres of hot water, and has a low noise level and a natural refrigerant. As a result, the F750 and F730 will be discontinued. “We now have a complete range of natural refrigerants in all sizes,” says Stefan Oliv, Product Manager for Sweden.

We are now adding a size for smaller houses to the S735 range.
“With the release of the S735-4, we now have a broad range where customers with smaller houses, both new production and the ROT market, are offered a very efficient heat pump in the S-series. Together with the S735-7, we can cover a large part of the market, up to 200 m2 for replacement and up to 240 m2 for new production,” says Stefan.

”The S735-4 is great for small newly-built houses, both new construction and ROT”

– We see a huge demand for products with natural refrigerants, so now, with this new size, we have a complete exhaust air range with natural refrigerants and low GWP in all categories of heat pumps in the S-series,” Stefan concludes. ■

NIBE S735-4 and 7

- High seasonal heat factor and low operating costs.
- Natural refrigerant.
- Low noise level.
- Stylish design and compact size.
- Energy-saving smart technology for a high level of comfort.


NIBE

NEWS

IT'S HERE - THE NEW PREMIUM RANGE FOR SPLIT!

After a period of waiting, we are now in the process of delivering the new split range, which we previously told you about here in Expert News. NIBE's SPLIT SVM S332 and AMS 20 form part of the S-series and replace previous solutions.

"With the new indoor module, our end customers get efficient heating in the winter and efficient cooling in the summer, plus all the advantages of the digital platform," says Stefan Oliv, Product Manager for Sweden.

The indoor module NIBE SVM S332 and SPLIT AMS 20 form a complete premium solution for a split system. It replaces AMS 10 outdoor units, BA-SVM indoor modules and HBS hydroboxes.

- We now have an indoor unit and an outdoor unit in the S-series in two sizes. We're simplifying the range, creating a premium solution that replaces previous solutions and makes things simpler for everyone, says Stefan.

The heat pump works down to an outdoor temperature of -20°C and has a climate-friendly refrigerant for less impact on the environment.

Powerful cooling
The split solution has a built-in cooling function that produces efficient cooling in the summer.

– Built-in means that no accessories are needed and it's easy to install and manage if you have cooling in 2-pipe systems. It's a good option for someone who wants to supplement their system with a fan coil in a living room or bedroom, for example," says Stefan.

The heat pump has reliable hot water production via a stainless steel plate heat exchanger. With the included hot water tank, electric additional heat, self-regulating circulation pump, manometer, safety valve and expansion vessel, it is ready for installation.

- The SVM S332 is combined with the SPLIT AMS 20 for a complete air/water system and is available in two sizes: 6, suitable for houses up to about 140 m2, and 10, suitable for houses up to about 220 m2, depending on the degree of insulation and geographical location of the house, Stefan explains.

The new split range benefits from all the advantages of the S-series. For example, the heat pump automatically adapts to your customer's needs, the weather forecast and electricity price together with the Smart Price Adaption* function. It provides a pleasant indoor climate all year round, with sustainable energy consumption and full smartphone control. ■

**Requires hourly tariff contract.*

NEW SPLIT ASSORTMENT

House up to ca 140 m²
SVM S332-6 och AMS 20-6

House up to ca 220 m²
SVM S332-10 och AMS 20-10

The new range replaces
AMS 10 outdoor unit
BA-SVM indoor unit
HBS splitbox

Air/water heat pump SPLIT NIBE SVM S332/AMS 20-6

- Complete climate system.
- Powerful cooling.
- Climate-friendly refrigerant.
- Smart home accessories for extra comfort.

CASE

QUIETER, MORE COMFORTABLE AND LOWER ELECTRICITY COSTS WITH THE NEW S735 IN THE HOLIDAY HOUSE.

The Beurling family wanted to reduce their energy consumption and get a more connected heat source. They were one of several families who had the opportunity to try out the new S735-4 exhaust air heat pump.
– It's much quieter and gives us more hot water, and with the new app we can keep better track of the house when we're not here, says Tord Beurling.

In a small cottage area in the old health resort of Källvik, near Västervik, the Beurling family have had their holiday house for six years. It is located at a convenient distance from their year-round house in Mjölby, and a stone's throw from the Baltic Sea.
- It's our breathing space, a way to get away from home to enjoy bathing and activities. There's a golf course and a padel court, Tord tells us, and we have a boat for day trips. We really like it.

Full heating all year round
The house has all the amenities. We have water, sewage and optical fibre, and full heating all year round so that we can come here whenever we want, Tord continues. Holiday homes benefit from always being fully heated. With the right heat pump, you get a fairly low cost. The family bought the house in 2018. Until a year ago, there was an old exhaust air heat pump.
- A Fighter 310P that consumed 9,597 kWh per year, says Tord. That's an average of the last three years before we replaced it. We wanted to reduce our energy consumption and have a more connected heat source, so that we could monitor it remotely.

Tord Beurling is a district salesperson here at NIBE. He was one of several people who had the opportunity to try out the new exhaust air heat pump S735 before it was launched. When Expert News comes to visit, a year has passed since the installation.

Now it stands in the laundry room, where it fits in nicely with its stylish design.
- I was involved in the installation carried out by Johanssons Energiteknik. In connection with the replacement, we cleaned the ventilation ducts and re-adjusted the airflow, and also flushed the heating system. The replacement took one day and two men. They divided the machine, the water heater part separately and the heat pump part separately. It went really smoothly.

HOLIDAY HOUSE IN VÄSTERVIK
Tord Beurling, his wife and teenage kid.
Holiday house: Built in 1984, 104 m²
Replacement from: Exhaust air heat pump F310P
Energy consumption before replacement: 9,597 kWh per year
Replaced by: Exhaust air heat pump S735-4
Energy consumption after replacement: 5,479 kWh per year
Saving: 40%

CASE

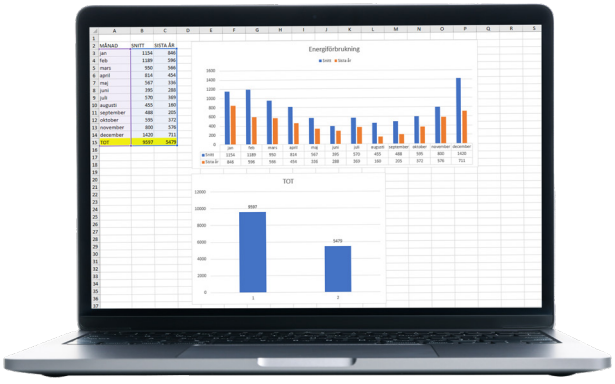
"Holiday houses benefit from being fully heated all year round. With the right heat pump you get a fairly low cost." "

Powerful and intelligent
The S735 is a powerful and intelligent heat pump with a high seasonal heat factor. It adapts automatically to your home's heating demand.
- In one year, it's only consumed 5,479 kWh, Tord tells us, which means the energy consumption has almost halved.
Tord keeps a close check on energy consumption in the myUplink app and has created an Excel document to take it to the next level. With the CDS 10 indoor sensor, he can monitor humidity and carbon dioxide content as well as heat.
- It's an excellent way to keep track of the house and make sure it's in good shape, even when we're not here. And it's incredibly easy to receive new software updates. Just one click to approve, so you always have the best operation and the latest features.

Tord has no doubt that the new exhaust air heat pump contributes to greater comfort.
- It's much quieter and produces much more hot water than before. After all, we have teenagers, so we can see the difference! ■

EXHAUST AIR HEAT PUMP NIBE S735

• High seasonal heat factor and low operating cost for new builds and replacements. With natural refrigerant for sustainable impact on climate and the environment.
• 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.



Tord Beurling keeps a close eye on energy consumption. In the diagram, he compares what the new exhaust air heat pump consumes month by month compared to the old one.

HYBRID SOLUTIONS

THE SMO S40 CONTROL MODULE IS ALSO SUITABLE FOR HYBRID SOLUTIONS.

Now you can run ground-source heating and air/water together with the same control. “We're pleased that we can now offer a smooth control for hybrid solutions that are becoming increasingly common in energy renovations,“ says Stefan Oliv, Product Manager for Sweden.

Many people will recognise our SMO S40 as a control module in air/water systems, where it can control up to 8 air/water heat pumps. Now the SMO S40 has become even better and more powerful, and can control all our ground source heat pumps, in both the F- and the S-series. We can now get all the great advantages that the S-series gives in a larger ground source heating plant with only F-series heat pumps (e.g. F1345 and F1355).

– Since the SMO S40 can now also handle ground source heat pumps, it can be the master in a hybrid system where we mix ground source heat pumps with air/water heat pumps, says Stefan Oliv.

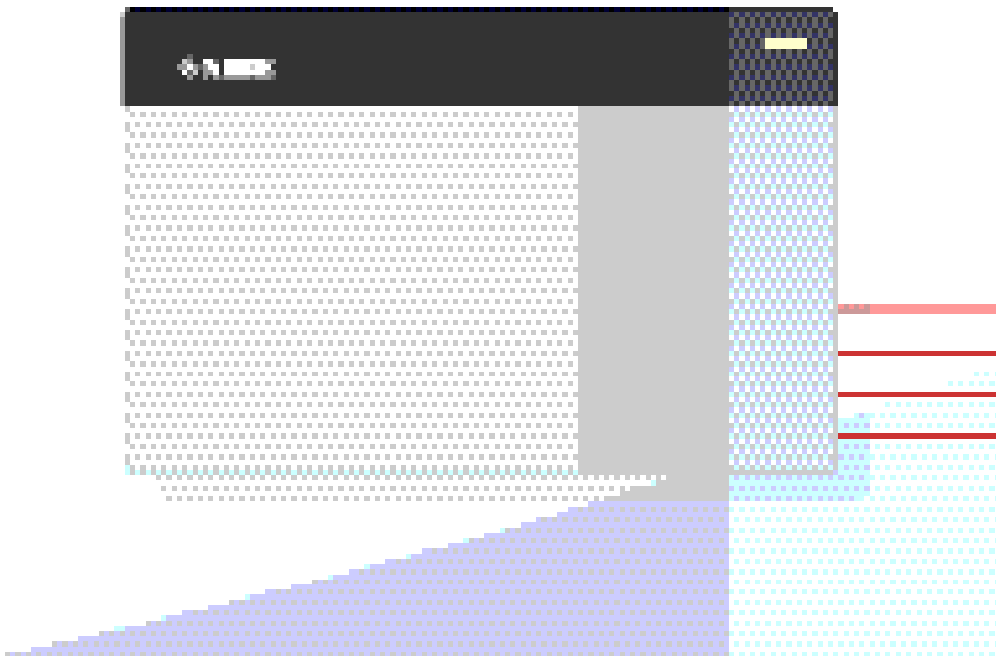
Hybrid solutions work very well as a supplement in larger properties. For example, in urban environments it may be necessary to supplement a ground source heating system with an air/water heat pump for additional power. For example, in urban environments where it may be necessary to supplement a ground source heating system with an air/water heat pump when the customer wants additional power from a heat pump. It's also possible to build an air/water system and then use a ground source heat pump to recover energy from the exhaust air.

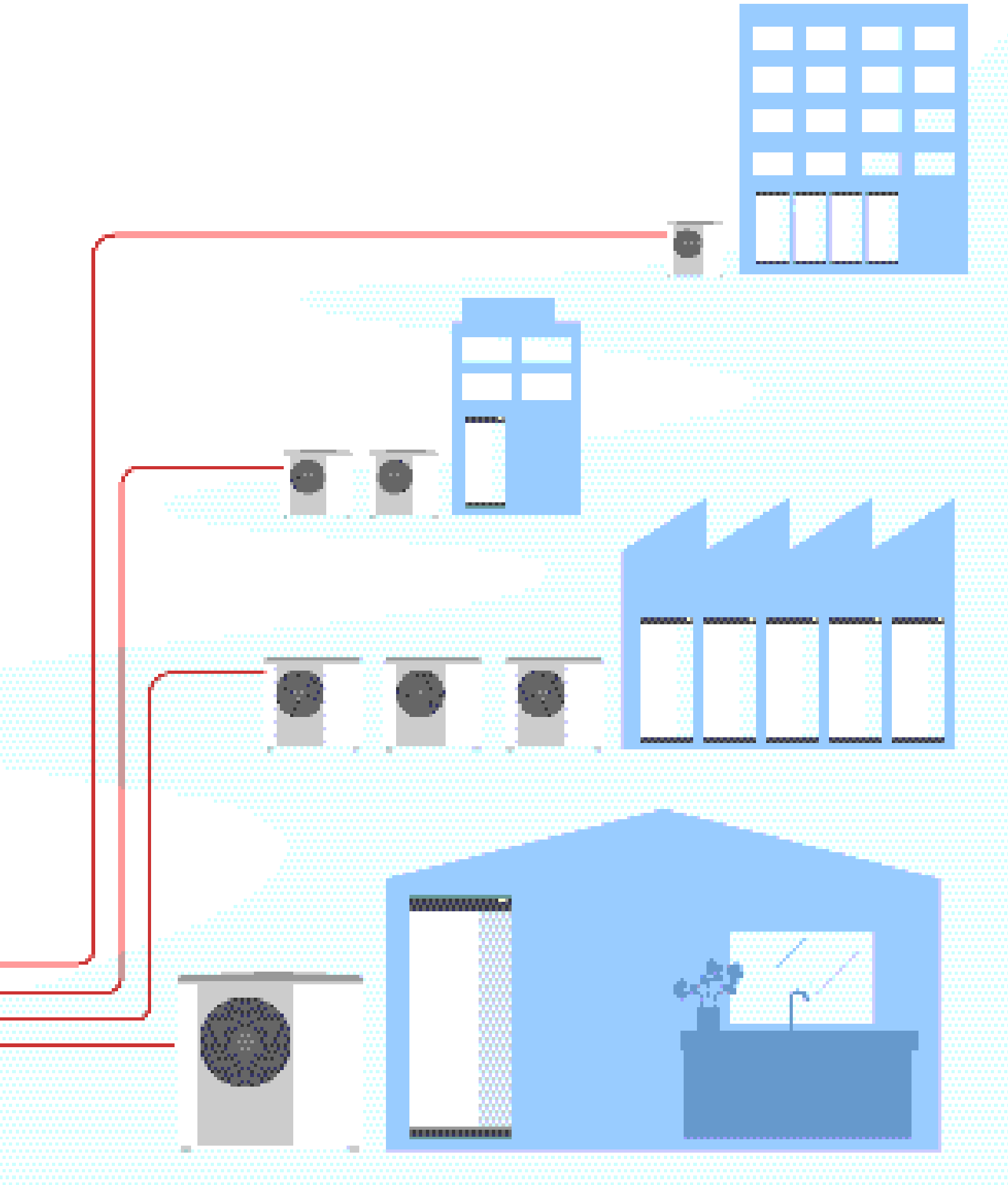
-These systems can now also be controlled from the same platform, with the SMO S40.

The possibilities of hybrid systems that combine ground-source heating and air/water are enormous, and there are many combinations to choose from, says Stefan. And of course we can also combine with peak heat from district heating or electric heaters, for example, just as we are used to. ■

Control unit SMO S40

- Combine with one or more NIBE air/water heat pumps or ground source heat pumps.
- Property solutions with up to eight NIBE heat pumps.
- Smart, user-friendly control system with touchscreen for great flexibility.
- Built-in Modbus TCP/IP





NEWS

WE ARE NOW SIMPLIFYING THE RANGE OF GROUND SOURCE HEAT PUMPS.

We are streamlining the range and going from four models to three. After long and loyal service, the F1226 is being discontinued. At the same time, the F1145/F1245 is taking over as a standard heat pump at a new lower price.
-In this way, we create a clearer range and make sure that we are the obvious choice in the standard range as well, says Stefan Oliv, Product Manager for Sweden.

Corrosion protection
Copper
Stainless
Enamel

Sizes Standard range
NIBE F1145 - 6, 8, 10, 12, 15, 17 kW
NIBE F1245 - 6, 8, 10 kW

Sizes Premium range
NIBE S1156 - 1,5–8 kW, 3-13 kW, 4-18 kW
NIBE S1256 - 1,5–8 kW, 3-13 kW, 4-18 kW
NIBE S1155-25

For many years, we have had a market-leading range in ground source heat pumps, which has given us a strong position in the Swedish market. New products in the premium segment have been added and we have taken major steps to continue to offer sustainable and efficient heat pumps with the latest technology.

– In the premium range, we have our inverter-controlled WiFi-connected heat pumps in the S-series, S1256/S1156 for detached houses and S1155-25 for larger detached houses and smaller properties, and then we have the two products in the F-series, where we are now removing the older one, Stefan Oliv explains.

"For installers and wholesalers around the country, the range will be simpler and clearer."

From 15 January 2024, the F1226 will be discontinued and the F1145/F1245 will take over as our standard heat pump.
- For installers and wholesalers around the country, the range will be simpler and clearer. At the same time, we are ensuring that we are the obvious choice in all segments, including in the standard range, says Stefan.

As a result, the F1145/F1245 is taking over as the default standard heat pump, and we have also reviewed the price. Take a look at our updated price list at nibeprofessional.se

The F1145/F1245 becomes our standard heat pump
As you already know, F1145/F1245 is available in many sizes and corrosion protection.
- It's equipped with a user-friendly colour display, service-friendly cooling section and high-quality components. In addition, the internet connection allows the end customer to monitor their heat pump from their smartphone and control the electricity price of the heat pump at no extra cost, Stefan Oliv concludes. ■

MAXIMISE WITH MARKO!

NIBE's technical correspondent Marko Hietaharju shares his smart tips to make life simpler, more fun... and just happier for NIBE installers. Do you have any issues that you'd like him to discuss here? Email Marko at maxa@nibe.se

What should you consider when installing an exhaust air heat pump in a mountain cottage?

I received an interesting question at maxa@nibe.se from one of our installers, which I think will be useful to many of you. The answer contains a couple of important tips.

My friend has a cottage in the mountains, and he has promised to help install a NIBE exhaust air heat pump. Now he wonders if there is anything special he should consider, as he hasn't installed a heat pump in a mountain cottage before.

The short answer is no. But there's one really important detail you need to tell your customer that will save them money. If that's not enough motivation, you'll also minimise the risk of your friend's cottage owner getting angry with you as an installer because you didn't tell them.
Think about the indoor temperature! Especially when the homeowner isn't there! Now you might be thinking I've gone off the rails and need some fresh mountain air... But stay tuned and you'll understand what I mean.

A seemingly logical idea is to lower the temperature as much as possible to save money when you aren't in the cottage. But that idea can be expensive for you. Why? Well, because an exhaust air heat pump works by taking the energy from the indoor air. And if the indoor temperature is too low, there's too little energy to take heat from.

What happens then? Well, then the immersion heater goes in and helps out much more often than the customer intended, and this will be visible on the electricity bill.
So the desired savings will instead be eaten up by high electricity costs.

Tight, intact insulation
There's one detail to think about. You also need to ensure that the insulation on the exhaust ventilation is tight and intact. Otherwise, there's a risk that the cold air in the loft will cool the air in the ventilation pipes before it reaches the heat pump.
So check in the heat pump menu what the exhaust air temperature shows for the temperature and compare with the indoor temperature. If there's a difference, it may be a good idea to check the insulation. It's also not ideal to be exactly at the lowest indoor temperature and balance.

Small margins can be a good idea. If there's a cold peak, the temperature can drop below the lowest temperature and then the immersion heater will work, which in turn is directly connected to the customer's wallet.

But how low can the indoor temperature be? Here's a table of our most common exhaust air heat pumps. Bear in mind that too low an indoor temperature can cause moisture damage.

Also check with your home insurance company if they have requirements for the lowest indoor temperature.

VÄRMEPUMP	LÄGSTA INOMHUSTEMPERATUR
S735	10 C°
F730 & F750	6 C°
F370 & F470	16 C°

I hope you and your friend are happy with the answer. And that you get to borrow the cottage as a thank you!

Good luck!
/Marko

The energy solution for your new house.

Our new, intelligent and compact NIBE S735 exhaust air heat pump gives you what your house needs: heating, hot water, ventilation and heat recovery. It's a sustainable energy solution that adapts to your needs to provide you with the ideal level of comfort and energy saving in your home.

Explore the S-series at nibe.eu