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.**

*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 – part of your climate system

The NIBE S2125 is designed to be combined with a NIBE VVM indoor module or NIBE SMO control module to create a highly-efficient climate system for your home.

NIBE flexible indoor modules

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. The NIBE VVM S320/S325, NIBE VVM 225 also include a filling valve, manometer, safety valve and expansion vessel – in other words, everything needed for a standard installation.

- Smart control system, advanced technology, easy to understand and simple to use.
- Smart Energy Source for optimal integration of prioritised heat sources such as wood burners.
- Part of your smart home – control your comfort online using myUplink or NIBE Uplink, depending on your system.

Choosing the right NIBE VVM for your home

NIBE S2125	VVM 225	VVM S320/S325	VVM 310
			
Compatible with	NIBE S2125 -8	All NIBE S2125 models	All NIBE S2125 models
Building's output requirements, coldest day	Up to 9 kW	Up to 10 kW	Up to 14 kW
Built-in electric additional heat	9 kW	9 kW	12 kW
Domestic hot water volume 40°C	210 l	240 l	250 l at 12 l/min
Docking	External heat sources with high output and external accumulator tanks. Without built-in accumulator volume, no surge tank.	External heat sources with high output and external accumulator tanks. Without built-in accumulator volume, 26 l buffer vessel.	Smaller external heat sources without accumulator tank. Built-in accumulator volume, 270 l.
Connection	Bottom:	Top: NIBE VVM S320 Bottom: NIBE VVM S325	Top
Height/width/depth (mm)	1500/600/600	1800/600/615	1800/600/615

Heating capacity & heating system

The NIBE S2125 is compatible with NIBE's VVM indoor modules as indicated in the table. Each NIBE VVM indoor module has a maximum recommended heating output for your climate system. When combined with a larger heat pump, the heat pump's output and energy coverage ratio, i.e. the bivalent temperature, decreases.

The NIBE VVM 310 is a two-circuit solution in which the heating system flow is independent of the flow coming from the heat pump.

The NIBE VVM 225, VVM S320/S325 have a single-circuit system which requires the heating system's flow to be maintained above a minimum flow.

Domestic hot water

In the NIBE VVM 310 domestic hot water is heated as required in a combined pre- and post-heating coil for that reason the capacity is dependent on the flow. The NIBE VVM 225, VVM S320/S325 have a built-in water heater with a capacity of 185 litres.

Docking

The NIBE VVM 310 enable simple and efficient docking of external heat sources to the built-in accumulator volume.

If the external heat source has a higher output and/or includes an accumulator which is larger than the accumulator volume of the NIBE VVM 310 a solution with an external accumulator tank in combination with the NIBE VVM S320/S325 is a more suitable option.

NIBE SMO control modules

The NIBE SMO control modules provide a flexible solution which is easy to customise. For solutions which include NIBE SMO, system components such as water heater, additional heat sources and other accessories are selected for the specific installation. Up to eight NIBE F2125s can be connected to a NIBE SMO 40.

Choosing the right NIBE SMO for the climate system in your home

NIBE S2125	NIBE SMO S40	NIBE SMO 20	NIBE SMO 40
			
Controls	Up to eight heat pumps.	Up to one heat pump.	Up to eight heat pumps.
External heat source	Three relays for an immersion heater (up to 7 binary steps) or a boiler with shunt valve. Makes it possible to prioritise heat sources.	Three relays for immersion heater (up to 7 binary steps).	Three relays for an immersion heater (up to 7 binary steps) or a boiler with shunt valve. Makes it possible to prioritise heat sources.
Self-regulating circulator pump	Available in two sizes, CPD11.	Available in two sizes, CPD11.	Available in two sizes, CPD11.
Accessories	Large range including additional climate system, pool, solar cell, heat recovery ventilation, room display etc.	Room sensor, solar cell.	Large range including additional climate system, pool, solar cell, heat recovery ventilation, room display etc.

Specifications NIBE S2125

		NIBE S2125-8	NIBE S2125-12
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 400 V 3N – 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.

Comfort through connectivity.

We strive to maximise the output of each and every NIBE product, whilst at the same time focusing on the system as a whole, in order to create a total comfort system. That's why we offer you a wide range of smart, highly efficient products which cool, heat, ventilate and supply hot water to your home.
By harnessing the forces of nature, you can create the perfect indoor climate with little environmental impact.

It's in our nature.

System's efficiency for room heating, 35°C

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

Product's efficiency class and load profile for hot water with NIBE VVM 310/VVM 320/VVM 325.

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