



NIBE NEWS ISH 2013

TO BE LAUNCHED DURING 2013!

A world of possibilities



NEW PRODUCTS FROM NIBE 2013!

A world of possibilities

REMOTE MANAGING AND MONITORING OF HEAT PUMPS

NIBE Uplink™



FREEDOM - ANYWHERE, ANY TIME

NIBE Introducing a new, efficient tool that gives you quick and easy control over your property's heat pump - wherever you are. NIBE Uplink provides the benefit of external monitoring for several properties at the same time.

Via a webinterface over the Internet NIBE Uplink offers you an instant view of the temperature and current status of the heat pump in your property. It gives you a clear, easy way of monitoring and controlling heating and hot water temperatures for maximum comfort. In the unlikely event of a system malfunction you receive an alarm directly in your mail, allowing you to respond in the fastest possible time.

Compatible systems – please see www.nibeuplink.com

With NIBE Uplink you can control your property for maximum comfort - wherever and whenever you want to.

We call it NIBE freedom.

REQUIREMENTS

The following is required in order for NIBE Uplink to function:

- Compatible system
- Network cable Cat.5e UTP (straight, male-male), wired network communication.
- Internet connection (broadband).
- The web browser that supports JavaScript. If you use Internet Explorer it must be version 7 or higher.



HEAT PUMPS WITH INVERTER-CONTROLLED COMPRESSOR



NIBE™ F1155/F1255

HEAT PUMPS WITH INVERTER-CONTROLLED COMPRESSOR FOR RESIDENTIAL AND COMMERCIAL BUILDINGS

NIBE F1155/F1255 is an intelligent heat pump fitted with inverter-controlled compressor and speed-controlled circulation pumps. Suitable for use in residential and commercial buildings. The heat pump adjusts itself automatically to the power demand of the house. This results in optimal savings as the heat pump always runs at the correct performance all year round without the addition of extra electrical peaks.

The integrated coil water heater (NIBE F1255) is available in three different corrosion protections (stainless steel, enamel and copper).

It is prepared for connection to several different products and accessories, for example, hot water heater, ventilation recovery, pool, free cooling, active cooling and heating systems with different temperatures.

TECHNICAL DATA

Type: NIBE™		F1155	F1245
Delivered Power	kW	4-16	4-16
EN 14511			
Supplied power at 0/35 °C ¹⁾ 46 Hz	kW	1.68	1.68
Delivered power at 0/35 °C ¹⁾ 46 Hz	kW	7.96	7.96
COP 0/35 °C ¹⁾		4.72	4.72
EN 14825			
P _{design}	kW	15	15
SCOP ²⁾ on		5.08	5.08
Volume water heater	litres	–	appr 180
Immersion heater, max	kW	9	9
Max temperature heating medium (flow/return circuit)	°C	70/58	70/58
Net weight (without water)	kg	178	335
Height	mm	1500	1800
Width	mm	600	600
Depth	mm	620	620

1) At Nominal power

2) Cold climate, low temperature

All NIBE ground source heat pumps have multicolour displays with user instructions and multilingual support.



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NIBE GROUND SOURCE NOW WITH AN EVEN BETTER PERFORMANCE



NEW
improved
generation

NIBE™ F1145/F1145 PC

NIBE™ F1245/F1245 PC


NIBE Uplink™

OUR NEW IMPROVED GENERATION

Our new improved generation of ground source heat pumps are packed with sophisticated technology, but at the same time incredibly simple to install and operate. Designed for connection to a heat distribution system such as radiators, convectors or underfloor heating, these new heat pumps offer astonishing savings and big environmental benefits.

A NIBE ground source heat pump is ready to be connected to a number of different products and accessories, e.g. solar panels, extra hot water heater, ventilation recovery and heating systems with different temperatures. With our broad range of accessories, you can also control your heat pump remotely, heat the pool and cool the house.

NEW IMPROVED GENERATION

- Higher efficiency
- Speed-controlled circulation pumps for optimized heating and hot water charging
- Improved installer-friendliness
- Master/slave compatible with up to nine pcs in cascade (F1145/F1245/F1345)
- NIBE Uplink compatible

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INDOOR MODULES FOR SYSTEMS WITH NIBE AIR/WATER HEAT PUMPS

NEW

NIBE™ VVM 500

FLEXIBLE ALL IN ONE INDOOR MODULE FOR HEATING AND HOT WATER



NIBE VVM 500 is part of a new generation of products, which have been introduced to supply your home with inexpensive and environmentally friendly heating and domestic hot water in the most efficient way. Heat production is reliable and economical with integrated hot water coil, circulation pumps, solar coil, control system and immersion heater.

NIBE VVM 500 can receive energy from several different alternatives, for example from the NIBE F2026, F2030, F2040 and F2300 outdoor heat pumps.

NEW

NIBE™ VVM 310

FLEXIBLE ALL IN ONE INDOOR MODULE FOR HEATING AND HOT WATER



NIBE VVM 310 is a flexible indoor module and together with the NIBE's air/water outdoor modules creates a complete system to supply the building's heating and hot water requirements.

NIBE VVM 310 can receive energy from several different alternatives, for example from the NIBE F2026, F2030 and F2040 outdoor heat pumps.

It is also possible to supplement with energy from the existing boiler instead of using the internal immersion heater.

NEW

NIBE™ VVM 320

COMPLETE INDOOR MODULE FOR HEATING AND HOT WATER



NIBE VVM 320 is a complete indoor module and together with the NIBE's air/water outdoor modules creates a complete system to supply the building's heating and hot water requirements.

NIBE VVM 320 can receive energy from several different alternatives, for example from the NIBE F2030 and F2040 outdoor heat pumps.

NIBE VVM 320 is available in different kinds of corrosion protection, copper, enamel and stainless steel.

TECHNICAL DATA

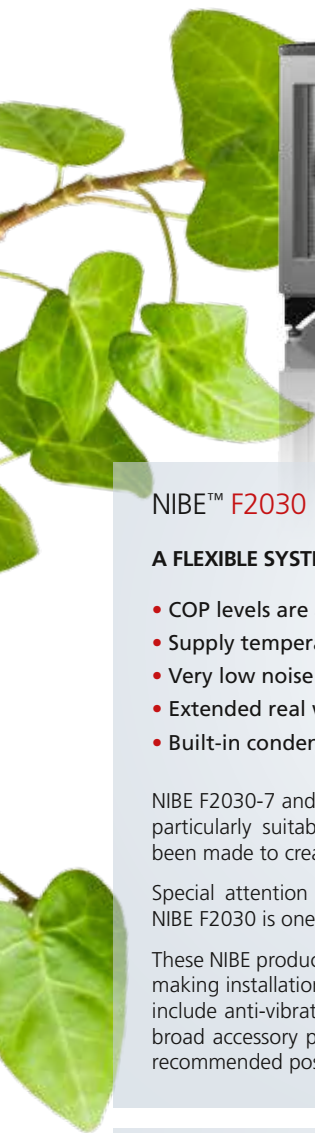
Type NIBE™		VVM 500	VVM 310	VVM 320
Low energy load circ pump		Yes	Yes	Yes
Low energy heating circ pump		Yes	Yes	Yes
Buffer vessel for heating		Yes	Yes	Yes
Solar coil		Yes	No	No
Immersion heater	kW	9	12	9
Height	mm	1900	1800	1800
Width	mm	763	600	600
Depth	mm	900	615	615
Weight	kg	140	140	140



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NIBE AIR/WATER HEAT PUMPS MONOBLOC RANGE

- OUTDOOR MODULES



NEW

NIBE™ F2030

A FLEXIBLE SYSTEM, FOR RESIDENTIAL BUILDINGS

- COP levels are among the best on the market
- Supply temperature 63 °C at -25 °C ambient
- Very low noise level
- Extended real working range down to -25 °C ambient
- Built-in condensate water tray

NIBE F2030-7 and -9 are two new air/water outdoor units that are particularly suitable for residential buildings. Great efforts have been made to create attractive system combinations.

Special attention has been given to minimising the noise level. NIBE F2030 is one of the quietest units available on the market.

These NIBE products have been developed with special attention to making installation as smooth as possible. For example, we always include anti-vibration water connections with the outdoor unit. A broad accessory programme is available, and there are numerous recommended possible combinations.



NEW

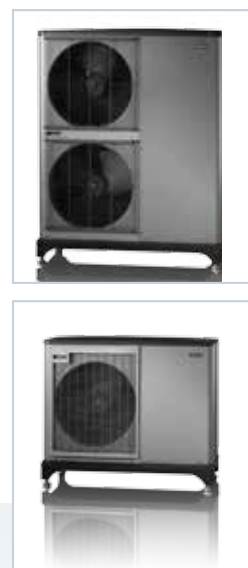
NIBE™ F2040

FOR RESIDENTIAL AND COMMERCIAL BUILDINGS, ALSO WHEN YOU NEED COOLING

- Inverter-controlled compressor
- Cooling function
- Outdoor unit with compact dimensions
- Built-in condensate water tray

NIBE F2040 are new air/water outdoor units that are particularly suitable for residential buildings. Great effort has been made to create attractive system combinations.

These NIBE products have been developed with special attention to making installation as smooth as possible. For example we always include anti-vibration water connection with the outdoor unit. A broad accessory programme is available and there are numerous recommended possible combinations.



TECHNICAL DATA

Type NIBE™		F2030-7	F2030-9	F2040-8	F2040-12	F2040-16	F2300-14	F2300-20
Heating								
COP at -15/45 °C*		2.53	2.63	1.91	2.00	1.88	2.20	2.16
COP at -7/45 °C*		2.80	2.81	2.28	2.44	2.41	2.65	2.58
COP at 2/45 °C*		3.37	3.26	2.71	3.06	2.97	3.28	3.02
COP at 2/35 °C*		4.11	3.86	3.45	3.69	3.69	3.84	3.53
COP at 7/35 °C*		4.81	4.58	4.40	4.52	4.45	4.39	4.04
COP at 7/45 °C*		4.05	3.76	3.49	3.62	3.28	3.69	3.41
COP at 7/55 °C*		3.38	3.42	2.76	2.86	2.67	3.18	2.91
Cooling								
COP at 27/18 °C*		-	-	3.50	3.52	4.35	-	-
COP at 35/18 °C*		-	-	3.35	3.12	3.47	-	-
Compressor		Scroll EVI compressor			Twin rotary		Scroll EVI compressor	
Max outgoing heating medium temperature	°C	65	65	58	58	58	65	65
Refrigerant quantity (R410A)	kg	1.8	1.9	2.55	2.9	4.0	2.2	2.8
Connection heating medium male Ø	mm	G 1	G 1	G 1	G 1	G 1 1/4	G 1 1/4	G 1 1/4
Height with stand	mm	1134	1134	900	995	1450	1324	1324
Width	mm	1260	1260	1025	1145	1145	1455	1455
Depth	mm	570	570	420	450	450	620	620
Weight	kg	160	165	90	105	135	224	230

NIBE AIR/WATER HEAT PUMPS MONOBLOC RANGE - OUTDOOR MODULES


 NEW

NIBE™ F2300

A FLEXIBLE SYSTEM, FOR RESIDENTIAL AND COMMERCIAL BUILDINGS

- COP levels are among the best on the market
- Supply temperature 63 °C at -25 °C ambient
- Very low noise level
- Extended real working range down to -25 °C ambient
- Built-in condensate water tray

NIBE F2300-14 and -20 are two air/water outdoor units that are particularly suitable for large residential or commercial buildings. Great efforts have been made to create attractive system combinations.

Special attention has been given to minimise the noise level. NIBE F2300-20 kW is one of the most quiet units available on the market.

These NIBE products have been developed with special attention to making installation as smooth as possible. For example, we always include anti-vibration water connections with the outdoor unit. A broad accessory programme is available, and there are numerous recommended possible combinations.



CONTROL MODULE FOR SYSTEMS WITH NIBE AIR/WATER HEAT PUMPS

NIBE™ SMO 20/40

CONTROL MODULE

NIBE SMO 20/40 is an advanced, intelligent control module equipped with the new generation controller for good comfort, good economy and safe operation. NIBE SMO 20/40 supports a broad range of different hydraulic schemes.

NIBE SMO 20/40 enables you to combine NIBE air/water heat pump with other equipment and create your own customized heating system. NIBE SMO 40 can control as many as eight heat pumps together in the same system. NIBE SMO 40 is also compatible with NIBE Uplink.

NIBE SMO20/40 works smoothly together with NIBE heat pumps in a variety of ways.


 NEW


NIBE Uplink™



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THERMAL STORAGE TANKS



NIBE™ **AHPS/AHP**

THERMAL STORAGE TANKS - FOR ALL YOUR HOT WATER NEEDS



NIBE AHPS/AHP is a new series of accumulator tank. AHPS is a "technology tank", a tank with a little more flexibility. AHPS has a solar coil and a combined pre- and post-heating coil for hot water production.

NIBE AHP is a volume expansion tank that is primarily used for expanding the volume with an AHPS. AHP and AHPS have the same type of exterior which gives an a modern-looking installation. Several AHP units can be connected in parallel with one AHPS and receive energy from a small to medium-sized wood fired boiler. The function of connecting several tanks together greatly simplifies matters where one large tank would be difficult to install.



DOMESTIC HOT WATER HEAT PUMP



NIBE™ **MT-WH2029-1FS**

ENERGY SAVING DOMESTIC HOT WATER HEAT PUMP

NIBE MT-WH2029-1FS is a domestic hot water heat pump with an integrated 285 litre hot water boiler, extract air fan, heat pump and electrical connection. This model is delivered with an internal heating cartridge ready to connect e.g. to solar panels, a second heat source.

With its modern design and practical pipe connections the NIBE MT-WH2029-1FS is easy to install, for instance in the basement, in the installations room or in the utility room.

With its 285 litre boiler NIBE MT-WH2029-1FS is able to meet the demand of a family for hot water.



HEAT RECOVERY VENTILATION



NIBE™ **GV-HR110-400**

HEAT RECOVERY VENTILATION

NIBE GV-HR110-400 is a heat recovery ventilation unit equipped with a counter flow heat exchanger with a temperature efficiency of up to 96%. The ventilation unit is equipped with supply and extract fans with energy saving EC motors and forward curved fanblades.



RENEWABLE HEATING



NIBE™ **PELLUX 100**

MODERN PELLET BOILER WITH PELLET BURNER AND AUTOMATIC SWEEPING.

NIBE PELLUX 100 is easily handled with intelligent controls. The combustion chamber is positioned in the lower section of the vessel with a good-sized ash box. Cleaning is made easy and the boiler remains efficient thanks to an upright convection system with automatic sweeping. The pellet burner connects directly to the reversible combustion chamber door.

