

# AIR/WATER HEAT PUMP NIBE™ F2030

NIBE air/water programme for residential use



## Features of NIBE™ F2030

**COP optimized throughout the envelope**

**Supply temperature up to 65 °C**

**3-phase connection for all sizes**

**Lowest maximum noise level**

**Extended working range down to -25 °C ambient with 63 °C supply temperature**

**Superior for radiator systems**

**Built-in condensate water tray**

## NIBE F2030

The F2030-7 and -9 are two high-performance air/water outdoor units that are particularly suitable for residential buildings. The F2030 is built on the same vapour injection, EVI, compressor concept as the larger F2300 units. Great efforts have been made to create attractive system combinations.

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

These NIBE products have been developed with special attention of making installation as smooth as possible. For example, we always include anti-vibration water connections with the outdoor unit. The widest accessory programme on the market and numerous recommended possible combinations.

Please visit [www.nibe.eu](http://www.nibe.eu) for further information.

**A++**

Energy efficiency class  
package label for  
NIBE F2030.

# AIR/WATER HEAT PUMP NIBE™ F2030

## NIBE air/water programme for residential use

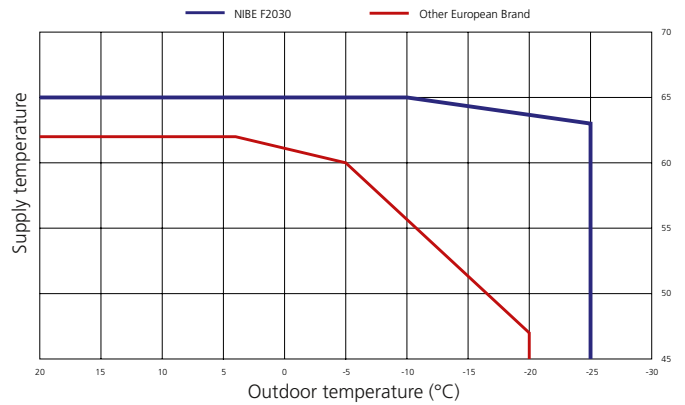
### Optimized for heating and hot water down to -25°C

The F2030 has an extended working range down to -25°C ambient. It can deliver 63°C supply temperature at -25°C ambient temperature and 65°C at -10°C ambient. This qualifies the F2030 to be able to heat up the house and make hot water throughout the whole year. This makes the F2030 very versatile.

F2030 in combination with e.g. a VVM310 makes up a system possible to be sized for 100% power coverage the coldest day in. The very high supply temperature available in the whole envelope makes it possible to produce 60°C hot water, the whole year, with only the heat pump running. This is a unique feature that is normal for us.

The F2030 works splendid in radiator systems as well as with underfloor heating. It maintains a high heating capacity even at low ambient temperatures.

Superior Operating Envelope



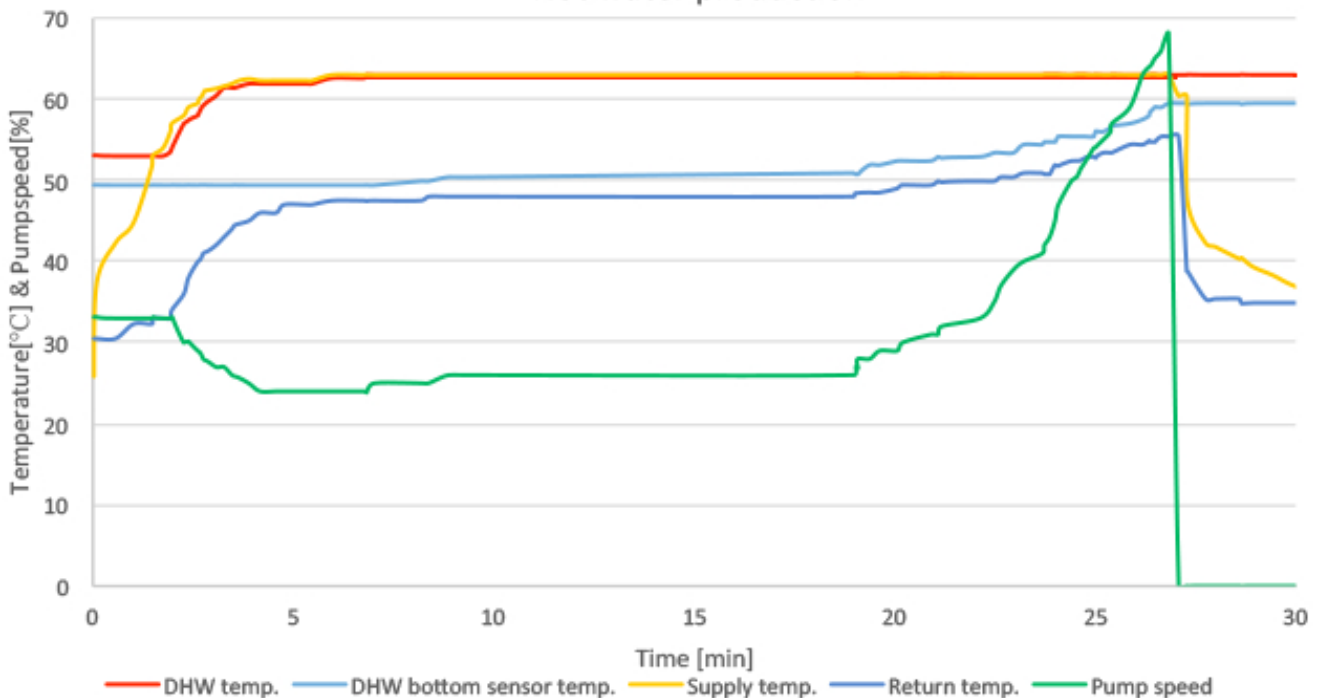
### Great hot water performance with F2030

The high supply temperature available on both F2030 and F2300 makes it possible to produce 60°C hot water, the whole year, with no addition.

The chart below shows an actual hot water charging cycle. The example shows a F2030-9 together with a VVM500 under compressor operation.

The optimized hot water charging of the VVM500 makes a flat uniform temperature profile (at 63 °C), throughout more or less the whole hot water tank. The customer in this case has a large amount of hot water available, corresponding to more than 500 litres 40°C hot water.

Hot water production



Actual data extracted from NIBE Uplink

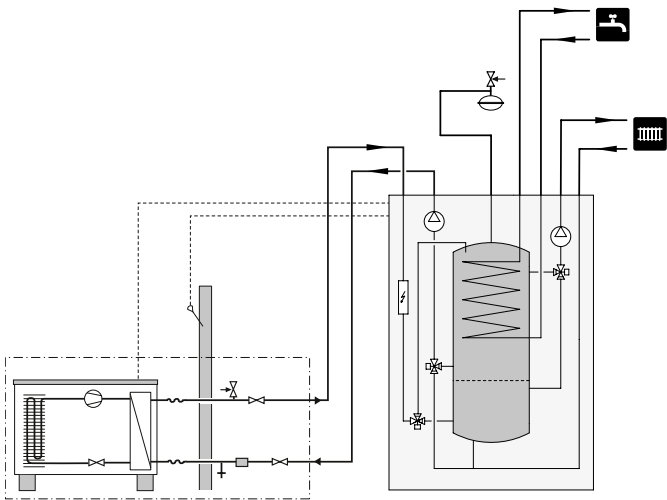
**Flexible system solutions**

With the new NIBE F2030 range we can provide installations for both commercial and residential use. NIBE offers a broad selection of accessories and complete indoor modules. These have been developed with our air/water heat pumps to optimize their efficiency and give you the highest possible savings. Factors such as the size of your house, where you live and your

domestic hot water demand will decide which system solution is most appropriate for you. For the best combination, please consult your installer or NIBE partner.

**Docking options**

NIBE F2030 can be installed in several different ways. For more information about docking options, please see [www.nibe.eu](http://www.nibe.eu)



	F2030-7	F2030-9
VVM 310	X	X
VVM 320	X	X
VVM 500	X	X
SMO 20	X	X
SMO 40	X	X

**Flexible indoor module NIBE VVM 310/500**

NIBE VVM 310/500 indoor unit takes care of your hot water demand and delivers heating to your heating system in the most efficient way. The concept is a thermal store with integrated hot water coil, circulations pumps, solar coil (NIBE VVM 500), control system and immersion heater. This makes it easy to connect solar and other energy sources, direct to the thermal store.

**Advanced controller NIBE SMO 20/40**

NIBE SMO 20/40 is an advanced controller module that supports a broad range of different hydraulic schemes. NIBE SMO 20/40 enables you to combine a NIBE F2030 air/water heat pump with other equipment and create your own customized heating system.

**Flexible indoor module NIBE VVM 320/325**

NIBE VVM 320/325 indoor unit takes care of your hot water demand and delivers heating to your heating system in the most efficient way. The VVM 320/325 has an integrated 180l hot water tank and a buffer for the heating system. Accessories to externally connect and control solar or other external heat source from the VVM320/325 controller are available.

# Technical specifications

## NIBE™ F2030 outdoor module

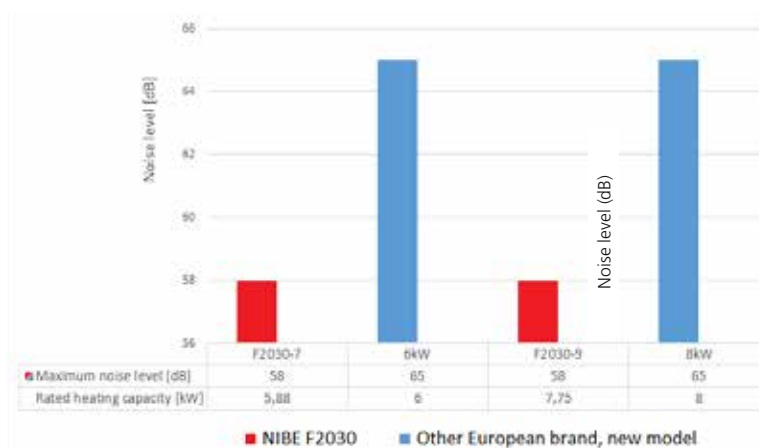
Type	7	9
COP at -15/45 °C*	2.53	2.63
COP at 2/45 °C*	3.37	3.26
COP at 2/35 °C*	4.11	3.86
COP at 7/35 °C*	4.81	4.58
COP at 7/45 °C *	4.05	3.76
COP at 10/35 °C *	5.08	4.87
P <sub>design</sub> 35°C/55°C	6,6/7,0	8,3/8,9
SCOP, Cold/Average/Warm climate, 35°C	3,6/4,0/4,6	3,6/3,9/4,4
Efficiency class 35/55°C product label	A++/A++	A++/A++
Efficiency class 35/55°C Package Label	A++/A++	A++/A++
Efficiency class hot water/Load profile with VVM310	A/XL	
Soft-start relay	included as standard	
Operating voltage	3 x 400 V + N + PE 50 Hz	
Compressor	Scroll EVI compressor	
Fuse	A	10
Enclosure class	IP 24	IP 24
Max outgoing heating medium temperature	°C 65	
Refrigerant quantity (R407C)	kg 1.8	kg 1.9
Connection heating medium male Ø	G 1	
Weight	kg 160	kg 165
Height with stand	mm 1134	
Width	mm 1260	
Depth	mm 570	
Lowest operational point. Outdoor air supply	°C -25/63 °C (-10/65 °C)	

\*In accordance with EN 14511.

Maximum and nominal noise level		F2030-7	F2030-9
Sound power level, EN 12102 at 7/45. Low/high fan speed	L <sub>w</sub> (A)	51/58	51/58
Sound pressure level at 2m. Low/high fan speed	dB(A)	37/44	37/44
Sound pressure level at 2m. Low/high fan speed	dB(A)	27,5/34,5	27,5/34,5
Sound pressure level at 2m. Low/high fan speed	dB(A)	23/30	23/30

### Low maximum noise level

NIBE F2030 has a low maximum noise level compared to other heat pumps on the market. The chart below compares the F2030 with a new model of heat pump from another European manufacturer.



Source: Schallrechner at Bundesverband Wärmepump e.V

