NIBE air/water monobloc
programme for residential use
Air/Water heat pump NIBE™ F2026

NEW *Flexible system solutions*

Features of NIBE™ F2026

Remarkably low sound level

Installer-friendly

Integrated intelligent controller

Components selected for long life time

COP optimized with built-in condensate water tray

NIBE F2026

The complete NIBE monobloc air-water programme consists of the new NIBE F2026 for residential use and the new NIBE F2300 for both residential and commercial use. NIBE's updated programme gives complete coverage of building heating power demand in the 5 – 22 kW range. The F2026 series can handle a heating range of 5 – 13 kW.

The NIBE F2026 has 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. An electrical connection point available for an external heating cable. A broad accessory programme is available, and there are numerous recommended possible combinations.

A new generation of heat pumps
DESIGNED FOR EARTH

Flexible system solutions

NIBE offers a broad selection of air/water system combinations. These have been developed with our air/water heat pumps to optimize their efficiency and give you the highest possible savings. The F2026 range enables us to provide system installations suitable for both new build and refurbishment.

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.

VVM 300 system

Combinations

Outdoor unit	Indoor unit
NIBE F2026-6	VVM 300
NIBE F2026-8	VVM 300
NIBE F 2026-10	VVM 300

All-in-one indoor unit cabinet solution VVM 300

The VVM 300 indoor unit takes care of your hot water demand and ensures that the correct heating power is sent to your heating system in the most economical way. For example, the system work with floating condensation. The unit produces the exact amount of energy that the building requires.

An advantage for installers is that the VVM 300 consists of all the components needed. For example, it includes a built-in expansion vessel and circulation pump. It is also fitted with a modulating load pump.

The heat pump is weather-compensating: the outside temperature is measured to ensure the correct supply temperature is delivered to your heating system. If you have a pool or are thinking of installing a pool, the VVM 300 is ready. Installers rate the VVM 300 one of our most appreciated "all in one" units.

SMO 05 system

Combinations

Outdoor unit	Controller	NIBE water heater	
NIBE F2026-6	SMO 05	VPA 200/70	VPB 500, VPB 750, VPA 300/200, VPA 450/300, VPAS 300/450
NIBE F2026-8	SMO 05	VPA 200/70	VPB 500, VPB 750, VPA 300/200, VPA 450/300, VPAS 300/450
NIBE F 2026-10	SMO 05	–	VPB 500, VPB 750, VPB 1000, VPA 300/200, VPA 450/300, VPAS 300/450

Individual set up with the NIBE SMO 05 basic controller

Sometimes it is necessary to design a system that requires even more system functionality than the VVM 300 system. The NIBE SMO 05 controller has the new-generation user interface. You can install it in any convenient room or hall, from where you can make various adjustments to your heating system.

We believe that our customers will enjoy the functionality of the SMO 05 controller, while the pre-selected package options will make life easier for installers.

The NIBE SMO 05 supports one basic heating scheme enabling differently sized outdoor units and water heaters to be combined.

SMO 10 system

Combinations

Outdoor unit	Controller	
NIBE F2026-6	SMO 10	**For docking principles, please see**
NIBE F2026-8	SMO 10	
NIBE F 2026-10	SMO 10	

Individual setup with the NIBE SMO 10 advanced controller

The NIBE SMO 10 is an advanced control module supporting a broad range of different hydraulic schemes. The SMO 10 enables you to combine a NIBE F2026 air/water heat pump with other equipment and create your own customised heating system. Start with one NIBE F2026 heat pump; if you need more power, you can install as many as nine NIBE F2026 heat pumps together in the same system. The addition of the SMO 10 intelligent control module allows your NIBE F2026 to work smoothly in a variety of ways. For example:

– Connected to another heating system such as gas, oil, electricity or district heating.

– Connected to a NIBE water heater of the size required to meet your domestic hot water needs.

– If you have a swimming pool, the SMO can connect your heat pump to your pool and heat that too.

– Systems controlled by the SMO can also incorporate solar panels, enabling you to use solar energy as a complementary heat source when available.

Existing boiler system

For docking principles, please see

Existing boiler

This system set up is often used to back up an existing heating system. The built-in controller in the outdoor unit can work with a thermostat.

In the case of a wood-fired boiler, the NIBE F2026 is connected to the accumulator tank, which contains a water heater. When the wood-fired boiler is not in use, the heat pump starts automatically, providing an economical heat source. It is controlled by a thermostat in the accumulator tank.

In the case of an oil or gas boiler, the heat pump is connected to the heating circuit just before the boiler, and contributes to heating the house (but not the hot water). It is controlled by a room thermostat.

Both of these installations make use of existing equipment and thus keep installation costs down. However, the energy savings that can be achieved are not as high as with the three other systems described.

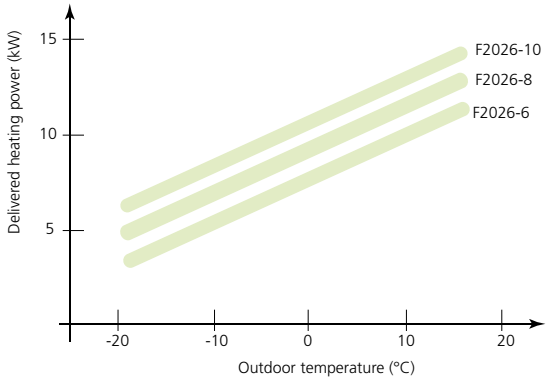
Type		2026-6	2026-8	2026-10
COP at 7/35 °C *		4.16	3.87	3.74
COP at 7/45 °C *		3.40	3.26	3.21
Soft-start relay		included as standard	included as standard	included as standard
Operating voltage		3 x 400 V + N + PE 50 Hz	3 x 400 V + N + PE 50 Hz	3 x 400 V + N + PE 50 Hz
Fuse	A	10	10	16
Max supply temperature	°C	58	58	58
Refrigerant quantity (R404A)	kg	1.8	2.0	2.0
Connection heating medium male Ø	mm	G1 (Ø 28 mm)	G1 (Ø 28 mm)	G1 (Ø 28 mm)
Height with stand	mm	1045	1045	1045
Width	mm	1200	1200	1200
Depth	mm	520	520	520
Weight	kg	120	126	132
Lowest operational point, outdoor air supply temperature	°C	-20/50 °C (-7/58 °C)	-20/50 °C (-7/58 °C)	-20/50 °C (-7/58 °C)

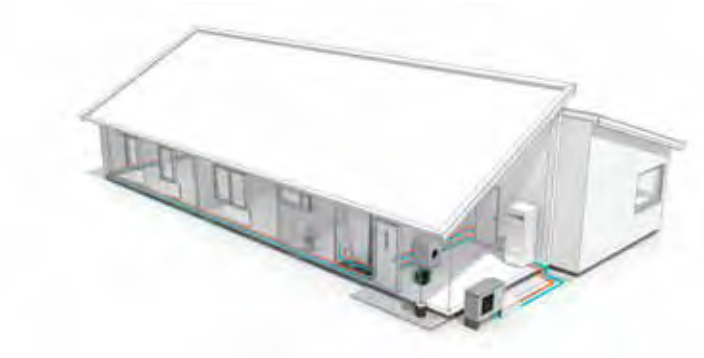
* In accordance with EN 14511

Range

Name	Building heating demand*
NIBE F2026-6	5 – 8 kW
NIBE F2026-8	7 – 11 kW
NIBE F2026-10	10 – 13 kW

* Please discuss size with your NIBE partner for the correct dimensioning in your country.





		F2026-6	F2026-8	F2026-10
Sound power level	Lw(A)	57	57/62	57/62
Sound pressure level at 2 m. Fan low/high	dB(A)	46	46/51	46/51

The sound pressure level may vary depending on the surroundings. Our calculation is based on a worst-case scenario with sound reflection from the house wall.