

Ground Source Heat Pump NIBE™ F1126

A new generation of heat pumps



Features of NIBE™ F1126

Pure simplicity for heating and hot water

Extremely installer friendly with start-up guide and flexible connections

User friendliness for easy settings and set-up

B/W LCD display with user instructions.

Elegant, timeless and international design

Communication interface for service and upgradability (1xUSB)

Low sound level for silent operation

New improved generation:

- **Low energy circulation pumps**
- **Higher efficiency**
- **Circulation pump is adjustable from the controller between 0-100%**

NIBE F1126

The NIBE F1126 is one of a new generation of heat pumps, designed to supply your home with cost efficient and environmentally friendly heating. With an integrated immersion heater, circulation pumps and a control system, the heat production is both safe and economical.

The NIBE F1126 is equipped with a control unit to maintain a comfortable indoor climate, both cost-effectively and safely. Clear information about status, operation time and all temperatures in the heat pump are shown on the large and easy-to-read display. This eliminates the need for external unit thermometers.

Technical specifications

NIBE™ F1126

Type		5	6	8	12
Supplied power at 0/35°C	(kW)	1.04	1.27	1.59	2.46
Delivered power at 0/35°C	(kW)	4.71	5.79	7.72	11.62
COP 0/35°C		4.53	4.56	4.85	4.72
Supplied power at 0/35°C	(kW)	1.08	1.31	1.65	2.68
Delivered power at 0/35°C	(kW)	4.41	5.49	7.37	11.52
COP 0/35°C		4.09	4.17	4.46	4.30
Operational voltage	(V)	3 x 400V + N + Pe			
Max operating current, compressor incl control system and circ pumps	(A)	9.5	4.6	6.6	9
Min fusing (fuse type C)	(A)	20	16	16	20
Immersion heater, max	(kW)	9			
Refrigerant type R 407C	(kg)	0.9	0.9	1.1	1.2
Max temperature heating medium (flow/return circuit)	(°C)	63/56			
Sound power level (LwA)	(dB)	37	43	44	44
Net weight	(kg)	155	160	170	175
Height	(mm)	1500			
Width	(mm)	600			
Depth	(mm)	620			

According to EN 255 (excl circulation pumps) at 10 K
 According to EN 14511 at 5 K
 According to EN 12102 at 0/35°C

Docking options

NIBE F1126 offers several external connection possibilities and control for; temporary extra hotwater, compressor, heating as well as connection of room sensor and temperatur sensor for external flow. Accessories e.g load monitor, expansion card for ground water pump and hot water circulation, exhaust air module and room temperature sensor are also available.

Compressor module

The compressor module is easily pulled out for transport, installation and service.

System description

NIBE F1126 consists of heat pump, immersion heater, circulation pumps and control system. NIBE F1126 is connected to the brine and heating medium circuits. In the heat pump evaporator, the brine (water mixed with anti-freeze) gives off its energy to the refrigerant, which is vapourised in order to be compressed in the compressor.

The refrigerant, of which the temperature has now been raised, is passed to the condenser where it gives off its energy to the heating medium circuit and, if necessary, to any docked water heater. If there is a further need for heating/hot water than the compressor can provide, there is an integrated immersion heater.

