

Ground Source Heat Pump NIBE™ F1226

A new generation of heat pumps



Features of NIBE™ F1226

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)

Integrated water heater with environmentally friendly cellular plastic insulation for minimal heat loss.

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 F1226

The NIBE F1226 is one of a new generation of heat pumps, designed to supply your heating needs in a cost efficient, environmentally friendly way. Thanks to an integrated hot water heater, immersion heater, circulation pumps and a control system, the heat is produced safely and economically.

The NIBE F1226 is equipped with a control unit which cost effectively and safely maintains a comfortable temperature in the home. 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™ F1226

Type		6	8	12
Supplied power at 0/35°C	(kW)	1.27	1.59	2.46
Delivered power at 0/35°C	(kW)	5.79	7.72	11.62
COP 0/35°C		4.56	4.85	4.72
Supplied power at 0/35°C	(kW)	1.31	1.65	2.68
Delivered power at 0/35°C	(kW)	5.49	7.37	11.52
COP 0/35°C		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)	4.6	6.6	9
Min fusing (fuse type C)	(A)	16	16	20
Volume water heater	(litres)	180		
Immersion heater, max	(kW)	9		
Max pressure in storage heater	(MPa)	1.0 (10 bar)		
Refrigerant type R 407C	(kg)	0.9	1.1	1.2
Max temperature heating medium (flow/return circuit)	(°C)	63/56		
Sound power level (LwA)	(dB)	43	44	44
Net weight (without water)	(kg)	215	225	235
Height	(mm)	1800		
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 F1226 offers several external connection possibilities and control for; temporary extra hot water, 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.

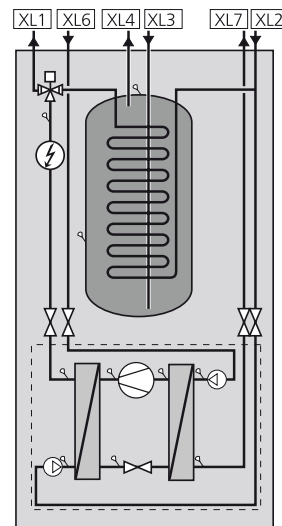
Compressor module

The compressor module can be pulled out very easily for transport, installation and service.

System description

The NIBE F1226 consists of a heat pump, water heater, electrical module, circulation pumps and a control system. It 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, its temperature now raised, is passed to the condenser where it releases its energy to the heating medium circuit and, if necessary, to the water heater. If there is a further need for heating/hot water than the compressor can provide, an integrated immersion heater boosts the supply.



- XL 1 Connection, heating medium flow
- XL 2 Connection, heating medium return
- XL 3 Connection, cold water
- XL 4 Connection, hot water
- XL 6 Connection, brine in
- XL 7 Connection, brine out

