

## EXHAUST AIR HEAT PUMP NIBE™ F750

A complete heat pump providing heating, hot water, ventilation and heat recovery

NEW



### Features of NIBE™ F750

**Energy and power efficient exhaust air heat pump with inverter controlled compressor**

**Display unit with easy-to-read colour screen**

**Specified compressor output 1.1 – 6.0 kW**

**Extract air temperature down to -15 °C**

**Low energy fan**

**Low energy circulation pump, class A**

**Outdoor temperature sensor/indoor temperature sensor**

**Measures and logs average indoor temperature during the heating season**

**Scheduling heating, ventilation and hot water as well as holiday mode**

**Can control up to eight heating systems, with different temperature levels**

**Can communicate with GSM (accessory)**

**Integrated volume vessel of 25 l**

**NIBE Uplink compatible**

### NIBE F750

NIBE F750 has a large, powerful compressor that can meet the energy needs of a property of up to around 200 m<sup>2</sup>. NIBE F750 comes supplied as a complete package that can provide your property with heating, hot water and ventilation. As the compressor is inverter-controlled, operation is very economical and the heat output is two or even three times higher than for conventional exhaust air models. Together with other efficiency-raising functions, this provides minimal energy consumption. A well-insulated hot-water tank minimises heat loss, while an energy-efficient circulation pump and fan in the ventilation unit help to keep energy consumption to a minimum.



A+++

Energy efficiency class package label for NIBE F750

# Technical specifications

## NIBE™ F750

Heating capacity (PH)*	(kW)	1.15/2.47
COP*		3.18/2.60
Heating capacity (PH)**	(kW)	1.46/4.06
COP**		4.72/2.93
P <sub>designh</sub>	(kW)	5
SCOP Average/Cold climate, 35°C		4,5/4,7
Efficiency class product label 35°C/55°C		A++/A++
Efficiency class package label 35°C/55°C		A+++/A++
Efficiency class hot water/Load profile		A/L
Output immersion heater	(kW)	0.5–6.5/0.5–7
Volume, temperature equalisation vessel	(litre)	25
Volume, hot water cylinder	(litre)	180
Corrosion protection		Enamel, Copper, Stainless steel
Height excl inverter box, incl feet	(mm)	2100–2125
Width	(mm)	600
Depth	(mm)	610
Savings/year ***	(kWh)	8900–16200

\* According to EN14511, A20(12)W45 at 108m<sup>3</sup>/hr ventilation and minimum/maximum compressor speed.

\*\* According to EN 14511, A20(12)W35 at 216m<sup>3</sup>/hr ventilation and minimum/maximum compressor speed.

\*\*\* Value varies, as it is dependent on the energy demand and exhaust air volume flow.

### Docking options

NIBE F750 can be connected in several different ways, e.g. to solar panels, two or more heating systems or to an extra electric hot water heater.

The air overflow occurs at the inside doors, under a door or through the overflow vent holes.

Fresh air is supplied to the house via external vents.

The warm, used exhaust air is drawn into the ventilation system.

The NIBE F750 provides the house with hot water for the radiators and domestic hot water.

Warm exhaust air is supplied to the NIBE F750 for heat recovery.

When the exhaust air has passed through the heat pump, the discharged air is released outside. But before releasing it, the heat pump extracts as much energy as possible from the exhaust air in order to heat the radiators and domestic hot water.

### Display with user instruction

NIBE F750 has an innovative colour display with simple menus and clear symbols that make it easy for you to control consumption and monitor, for instance, run time, or create your own personal settings. The heat pump is equipped with an attractive, stylish aluminium cover. It also has a USB port that makes it easy to update software and download operating data.

### Heat pump function

NIBE F750 is a complete exhaust air heat pump for both new installations and replacement in houses or similar.

It has an integrated DC fan and water heater that has enamel, copper and stainless steel corrosion protection. There is an integrated immersion heater used as an additional heater when there are not enough energy in the exhaust air.

Energy is recovered from the ventilation air and supplied to the heat pump, which reduces energy costs considerably. The device ventilates the house, supplies heat and produces domestic hot water.

NIBE F750 is intended for low temperature dimensioned radiator circuits and/or under floor heating.

The heat pump works based on the floating condensing principle, and is why the boiler section has a 25 litres temperature buffer vessel.

