

## Exhaust Air Heat Pump NIBE™ F470

A new generation of heat pumps

NEW



### Features of NIBE™ F470

**Extremely installer-friendly**

**Multicolour TFT display with user instructions**

**Elegant, timeless and international design**

**GSM remote control**

**Scheduling (indoor comfort, hot water and ventilation)**

**USB-port (quick software updates)**

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

**Simple filter cleaning, equipped with filter monitor**

**Remarkably low sound level**

**Low energy DC circulation pumps (A-rated)**

**Corrosion resistant stainless steel cylinder**

**UK Building and Water Regulations Approved**

**MCS approved**

**SAP Q rated**

**Benchmark checklist**

### NIBE F470

The NIBE F470 is part of a new generation of heat pumps, which have been introduced to supply your home with inexpensive and environmentally friendly heating. Heat production is safe and economical with integrated hot water heater, immersion heater, circulation pump and control system. The heat pump can be connected to an optional low temperature heat distribution system. e.g. radiators, convectors or under floor heating. It is also prepared for connection to several different products and accessories, e.g. extra water heater and climate systems with different temperatures.

The NIBE F470 is ideal for highly insulated and air tight dwellings and PassivHaus dwellings.

The NIBE F470 is equipped with a control unit for good comfort, good economy and safe operation.

Clear information about status, operation time and all temperatures in the heat pump are shown on the large and easy-to-read display. This means, for example, that external unit thermometers are not necessary.

## Technical specifications

### NIBE™ F470

Compressor rated output (pel)*	(kW)	1.9
COP*		3.06
Compressor rated output (pel)**	(kW)	2.18
COP**		3.80
Immersion heater rated output (adjustable)	(kW)	10.25
Water capacity, outer jacket	(liter)	70
Water capacity, hot water cylinder	(liter)	170
Corrosion protection	Stainless steel, Copper	
Height	(mm)	2100 (incl feet 22 mm)
Width	(mm)	600
Depth	(mm)	615
Savings/year **	(kWh)	6 500 – 9 300

\* According to EN14511, A20(12)W45 at 110m<sup>3</sup>/hr ventilation

\*\* According to EN 14511, A20(12)W35 at 200m<sup>3</sup>/hr ventilation

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

### Docking options

NIBE F470 can be connected in several different ways, e.g. to solar panel, two or more heating systems, gas boiler, district heating and to an extra electric hot water heater.



### Multicolour TFT display

NIBE F470 is equipped with a multicolor display with a clear and simple menu and symbolic language. Features clear information about status, operation time and all temperatures in the heat pump; an easily navigated control unit enables users to get the best performance out of the heat pump and maintain a comfortable indoor temperature at all times.

### Heat pump function

The NIBE F470 is a complete heat pump unit for recovering thermal energy from exhaust air. Warm, oxygen-poor air is channelled through a ventilation unit which is built into the system via a heat exchanger located in the heat pump circuit.

The recovered heat is transferred, via a heat exchanger to a double-jacket tank. The recovered heat is simultaneously channelled, via another heat exchanger, to both the supply air and the heating circuit. The hot water tank's double-jacket system not only helps to heat the radiator water and domestic hot water, but also heats the fresh, incoming air. The unit comes complete with a central heating pump, heating pressure vessel and filling loop.

