EXHAUST AIR HEAT PUMP NIBE™ F470

A complete heat pump providing heating, hot water, ventilation, pre heated supply air and heat recovery.

NIBE Uplink™

Features of NIBE™ F470

Extremely installer-friendly

Multicolour TFT display with user instructions

Elegant, timeless and international design

GSM remote control (accessory)

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-class)

Outdoor temperature sensor/indoor temperature sensor

Low energy DC fans

NIBE Uplink compatible

NIBE F470

The NIBE F470 is an exhaust air heat pump that should be connected to an optional low temperature heat distribution system such as radiators or underfloor heating. The outdoor incoming air is also heated in the unit. In other words, the product is suitable for homes with both hydronic heating and outflow/inflow ventilation systems. It is also prepared for connections to several different products and accessories, such as an extra water heater and other heating systems.

The NIBE F470 is equipped with a control unit to maintain a comfortable temperature, 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.

NIBE

A+

Energy efficiency class for NIBE F470

Technical specifications
NIBE™ F470

Heating capacity (P_H)*	(kW)	1.92
COP*		3.16
Heating capacity (P_H)**	(kW)	2.18
COP**		3.93
Immersion heater rated output (adjustable)	(kW)	10.25
$P_{designh}$	(kW)	3
SCOP Average/Cold climate, 35°C		3,6/3,7
Efficiency class product label 35°C/55°C		A+/A+
Effciency class package label 35°C/55°C		A+/A+
Efficiency class hot water/Load profile		A/L
Volume, outer jacket	(litre)	70
Volume, hot water cylinder	(litre)	170
Corrosion protection		Stainless steel or 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 110m³/hr ventilation
** According to EN 14511, A20(12)W35 at 200m³/hr ventilation
*** Value varies, as it is dependent on the energy demand and exhaust air volume flow.

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.

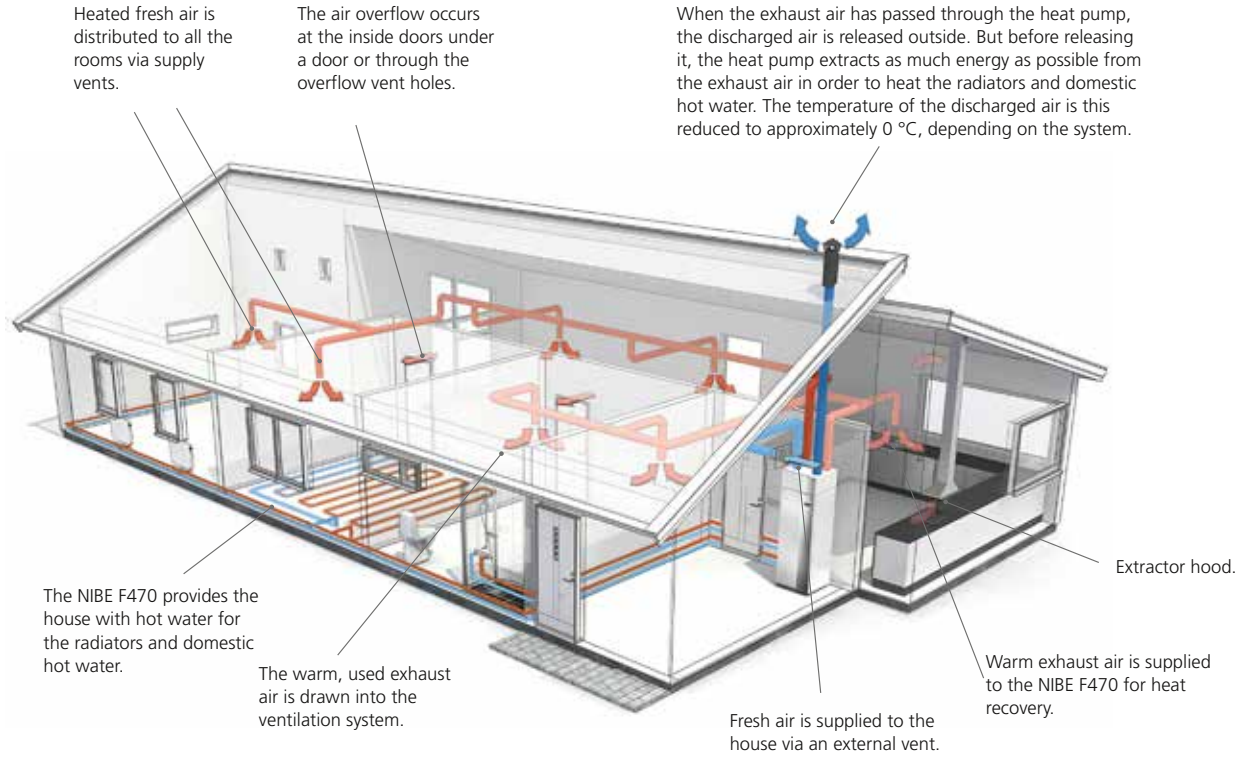
The recovered heat is simultaneously channelled, via another heat exchanger, to both the supply air and the heating circuit.

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.

Docking options

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



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