

Exhaust air heat pump NIBE™ F205P

The new exhaust air heat pump

NEW



Features of NIBE™ F205P

Slimline room controller with programmable room thermostat and fan control

Low energy DC Heating Circulation Pump

Stainless steel hot water cylinder

Low energy speed controlled DC fan

Integrated 3kW immersion heater

Complete with central heating pump, heating pressure vessel and filling loop

UK Building and Water Regulations Approved

MCS approved

SAP Q rated

Benchmark checklist

NIBE F205P

The NIBE F205P is a controlled domestic ventilation system with heat recovery via a heat pump for heating and domestic hot water.

The NIBE F205P is a complete system to replace both the conventional gas condensing boiler, hot water tank and the separate heat recovery ventilation system.

The NIBE F205P is ideal for both low-temperature heating systems and underfloor and wall heating.

The NIBE F205P is controlled by a programmable room thermostat supplied. The NIBE F205P also has additional heating in the form of an integrated immersion heater of 3.0kW. This only switches on automatically when required, as the basic heating function is provided by the heat pump.

The operator panel has all its switches and buttons arranged in a user-friendly manner, making it easy to operate.

The NIBE F205P is designed for flats and single houses with a small heating demand of about 2 - 4kW (NE standard) with an average room height of 2.50m.

Technical specifications

NIBE™ F205P

Compressor rated output (Pel) *	(kW)	1.4
COP *		3.15
Immersion heater rated output	(kW)	3
Compressor rated output (Pel)**	(kW)	1.7
COP **		4.27
Water capacity, outer jacket	(litre)	70
Water capacity, hot water cylinder	(litre)	170
Corrosion protection	Stainless Steel	
Height	(mm)	2 095 (incl feet 15-40 mm)
Width	(mm)	600
Depth	(mm)	615

* According to EN 14511, A20(12)/W45 at 100m³/hr ventilation flow rate
 **According to EN 14511, A20(12)/W35 at 200m³/hr ventilation flow rate

Heat Pump Function

The NIBE F205 is a complete heat pump unit for recovering thermal energy from exhaust air. Warm inside air is channelled from the connected rooms through the ventilation unit built into the system via a heat exchanger located in the heat pump circuit.

The heat recovered in this way is transferred via an indirect heating surface to a double-jacket tank. The domestic hot water tank has excellent corrosion protection in the form of stainless steel.

The hot water tank's double-jacket system means that radiator water and domestic hot water can be heated at the same time.

The unit comes complete with a central heating pump, heating pressure vessel and filling loop.

System diagram

