

## Air/Water heat pump NIBE™ F2300

NIBE air/water heat pump for commercial and residential use

NEW

### Features of NIBE™ F2300

**COP levels are among the best on the market**

**Supply temperature 63 °C at -25 °C ambient**

**Very low noise level**

**Works down to -25C**

**Built-in condensate water tray**

**MCS approved**

**SAP Q rated**

**Benchmark checklist**

### NIBE F2300

The F2300-14 kW and -20 kW are two new air/water outdoor units that are particularly suitable for commercial applications. Great efforts have been made to create attractive system combinations. The units can be combined in a cascade system to a maximum number of nine units.

Special attention has been given to minimising the noise level. For example, the noise level for the F2300-20 kW is no more than that of a small 2016-8 kW, one of the quietest units available on the market.

These NIBE products have been developed with special attention to making the installation as smooth as possible. For example, we always include anti-vibration water connections with the outdoor unit. A broad accessory programme is available, and there are numerous recommended possible combinations.

Please visit [www.nibe.co.uk](http://www.nibe.co.uk) for further information.



# Technical specifications

## NIBE™ F2300 outdoor module

Type	F2300-14	F2300-20
COP at 2/35 °C*	3.84	3.53
COP at 2/45 °C*	3.28	3.02
COP at 7/35 °C*	4.39	4.04
COP at 7/45 °C *	3.69	3.41
COP at 7/55 °C*	3.18	2.91
COP at -7/45 °C*	2.65	2.58
COP at -15/45 °C*	2.20	2.16
Operating voltage	3 x 400 V + N + PE 50 Hz	3 x 400 V + N + PE 50 Hz
Compressor	Scroll EVI compressor	Scroll EVI compressor
Fuse	A	16
Max outgoing heating medium temperature	°C	65
Refrigerant quantity (R407C)	kg	2.2
Connection heating medium ext thread	mm	G 1 ¼ (Ø35mm)
Height with stand	mm	1324
Width	mm	1455
Depth	mm	620
Weight	kg	224
Lowest operational point. Outdoor air supply	°C	-25/63 °C (-10/65 °C)

The COP, supply temperature and working range are the best ever achieved by a NIBE air/water heat pump. For example, the F2300-14 is measured at COP=4.39 (A7/W35, EN14511). The supply temperature is 64 °C at -20 °C ambient. The real working range is extended down to -25 °C with the supply temperature still maintained at 63 °C. The heat pump works most efficiently with low-temperature heating systems, but for hot water production and if a building requires high temperatures the new limitation for the building heating system is 65/55 °C.

\*In accordance with EN 14511.

### Docking options

The NIBE F2300 can be installed in several different ways. The requisite safety equipment must be installed in accordance with current regulations for all docking options. For docking options, please see [www.nibe.co.uk](http://www.nibe.co.uk).

When docking with the NIBE F2300, a total water volume in the boiler and accumulator of at least 20 litres boiler water per kW output on the heat pump is recommended.



Type		F2300-14		F2300-20	
Sound power level according to EN12102 at 7/45	Lw(A)	50/62		53/62	
<b>Fan speed</b>		<b>Low</b>	<b>High</b>	<b>Low</b>	<b>High</b>
Max sound pressure level at 2 m*	dB(A)	36	48	39	48
Max sound pressure level at 6 m*	dB(A)	26,5	38,5	29,5	38,5
Max sound pressure level at 10 m*	dB(A)	22	34	25	34

\* Free field

