

Air/Water heat pump NIBE™ F2015

A new generation of heat pumps

NEW



Features of NIBE™ F2015

Extraordinarily high efficiency

Extremely installer-friendly

Designed for Nordic conditions

Automatic 2-step capacity regulator for the fan (not 6kW)

Integrated intelligent control for optimum control of the heat pump.

The material has been chosen for a long service life.

Remarkably low sound level

MCS approved

SAP Q rated

Benchmark checklist

NIBE F2015

NIBE F2015 is an air/water heat pump, specially designed to withstand the UK outdoor conditions. NIBE F2015 utilises the outside air so there is no need for bore holes or coils in the ground. NIBE F2015 can both heat hot water effectively at high outdoor temperatures and give a high output to the heating system at low outdoor temperatures.

NIBE F2015 is designed for water based heating systems and can be used together with most electric boilers, oil and gas boilers or equivalent. The heat pump includes an advanced control system for optimal control. NIBE F2015 is started by a start signal from another controller or thermostat. NIBE F2015 can be controlled from a specially designed control unit, SMO 10. This connects and disconnects additional heat and controls the changeover from room heating to domestic hot water heating. Accessories such as extra shunt group and pool control can be connected if SMO is present. Using accessory KVT 10, the condensation water that is created can be collected and routed to a suitable drain.

Technical specifications

NIBE™ F2015

Type		F2015-6	F2015-8	F2015-11
Delivered/supplied power* at 2/35 °C **	(kW)	5.4/1.4	7.1/1.8	9.4/2.6
Delivered/supplied power* at 7/35 °C **	(kW)	6.3/1.4	8.2/1.9	11.1/2.6
Delivered/supplied power* at -7/45 °C **	(kW)	3.7/1.6	5.0/2.1	7.1/2.9
Delivered/supplied power* at 0/45 °C **	(kW)	4.9/1.6	6.4/2.1	8.8/3.1
Delivered/supplied power* at 7/45 °C **	(kW)	6.0/1.7	7.8/2.2	10.9/3.2
Delivered/supplied power* at -7/50 °C **	(kW)	3.6/1.7	4.9/2.3	7.1/3.2
Delivered/supplied power* at 2/50 °C **	(kW)	5.0/1.8	6.6/2.4	9.2/3.4
Delivered/supplied power* at 7/50 °C **	(kW)	5.9/1.8	7.6/2.4	10.8/3.6
Delivered/supplied power* at 15/50 °C **	(kW)	7.2/1.9	9.2/2.4	12.8/3.6
Delivered/supplied power* at -15/45 °C **	(kW)	2.6/1.5	3.7/2.0	5.3/2.8
Delivered/supplied power* at 7/35 °C ***	(kW)	6.1/1.5	8.0/1.9	10.9/2.8
COP at 7/35 °C ***		4.21	4.15	3.95
Starting current	(A)	17	19	27
Motor protection setting	(A)	14	18	22
Soft-start relay		included as standard		
Operating voltage		230 V 1AC 50Hz		
Compressor		Scroll compressor		
Nominal flow heating medium	(l/s)	0,16	0,20	0,25
Internal pressure drop at nominal flow	(kPa)	1,3	1,5	2,2
Min-/max pressure heating medium side	(bar)		0,5/2,5	
Airflow	(m3/h)	1500	1700/2000	1700/2000
Nominal output, fan	(W)	70	90/130	90/130
Fuse	(A)	10	10	16
Enclosure class		IP 24		
Max outgoing heating medium temperature (°C)		60		
Refrigerant volume (R407C)	(kg)	1,9	2,1	2,1
Connection heating medium male	Ø	G1 (Ø 28 mm)		
Defrosting system		hot gas defrosting		
Cut-out value pressostat HP	(bar)	29		
Cut-out value pressostat LP	(bar)	0,3		
Difference pressostat HP	(bar)	-7		
Difference pressostat LP	(bar)	+0,7		
Height with stand	(mm)	1045		
Width	(mm)	1200		
Depth	(mm)	520		
Weight	(kg)	120	126	132
Colour		dark grey		
Lowest operational point, outdoor air/flow line (°C)		-15/45		
Highest operational point, outdoor air/flow line (°C)		35/58		

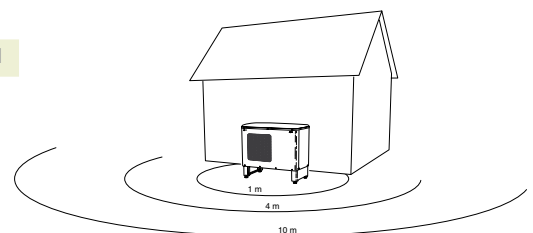
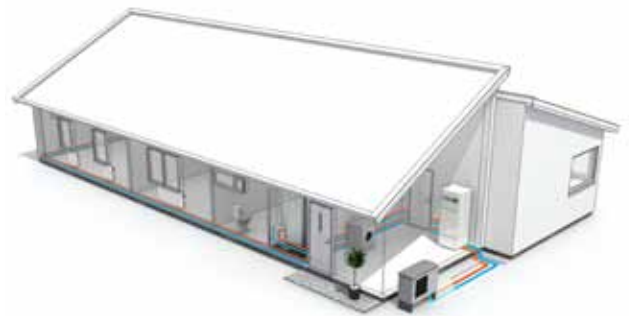
*Compressor, fan and control. Flows according to EN 255. Defrosting reduces the relationship between input/output by about 10 %.

** outside temperature/Flow temperature

*** According to EN 14511

Docking options

NIBE F2015 can be installed in several different ways. The requisite safety equipment must be installed in accordance with current regulations for all docked options. See www.nibe.co.uk for docking options. When docking with NIBE F2015, 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.



		F2015-6	F2015-8	F2015-11
Sound power level	Lw(A)	57	57/62	57/62
Sound pressure level at 1 m. Fan low/high	dB(A)	51	51/56	51/56
Sound pressure level at 4 m. Fan low/high	dB(A)	39	39/44	39/44
Sound pressure level at 10 m. Fan low/high	dB(A)	31	31/36	31/36