Air/Water heat pump NIBE™ F2025



Features of NIBE™ F2025

Extraordinarily high efficiency

Extremely installer-friendly

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

NIBE F2025

NIBE F2025 is an air/water heat pump, specially designed to withstand the nort europe outdoor conditions. NIBE F2025 utilises the outside air so there is no need for bore holes or coils in the ground. NIBE F2025 can both heat hot water effectively at high outdoor temperatures and give a high output to the heating system at low outdoor temperatures.

NIBE F2025 is designed for water based heating systems and can be used together with most electric boilers, oil-fired boilers or equivalent. The heat pump includes an advanced control system for optimal control. NIBE F2025 is started by a start signal from another controller or thermostat. NIBE F2025 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™ F2025 outdoor module

Type		2025-6	2025-8	2025-10	2025-14
Delivered/Supplied power* at 2/35 °C **	kW	5,8/1,5	7,6/2,1	9,4/2,5	12,7/3,5
Delivered/Supplied power* at 7/35 °C **	kW	6,7/1,5	8,7/2,1	10,7/2,7	14,5/3,7
Delivered/Supplied power* at -7/45 °C **	kW	4,1/1,7	5,7/2,2	7,1/2,8	9,6/3,8
Delivered/Supplied power* at 0/45 °C **	kW	5,3/1,8	7,0/2,3	8,6/2,9	11,7/4,0
Delivered/Supplied power* at 7/45 °C **	kW	6,5/1,8	8,4/2,4	10,3/3,1	14,1/4,3
Delivered/Supplied power* at -7/50 °C **	kW	4,2/1,9	5,6/2,5	7,0/3,1	9,5/4,2
Delivered/Supplied power* at 2/50 °C **	kW	5,4/2,0	7,2/2,6	8,8/3,2	12,2/4,5
Delivered/Supplied power* at 7/50 °C **	kW	6,2/2,0	8,2/2,6	10,0/3,3	13,9/4,6
Delivered/Supplied power* at 15/50 °C **	kW	7,5/2,0 k	9,9/2,7	12,2/3,5	16,6/4,8
Starting current	A	26	26	26	26
Motor protection setting	A	5	7	9	11
Soft-start relay		included as standard	included as standard	included as standard	included as standard
Operating voltage		3 x 400 V + N + PE 50 Hz	3 x 400 V + N + PE 50 Hz	3 x 400 V + N + PE 50 Hz	3 x 400 V + N + PE 50 Hz
Compressor		Scroll compressor	Scroll compressor	Scroll compressor	Scroll compressor
Nominal flow heating medium	l/s	0,20	0,25	0,34	2,8
Internal pressure drop at nominal flow	kPa	1,5	2,0	2,4	extern
Air flow	m³/h	1320	1320/1750	1320/1750	2250/3050
Nominal output fan	W	70	70/100	70/100	160/180
Fuse	A	10	10	16	16
Enclosure class	IP 24	IP 24	IP 24	IP 24	2250 / 3050
Max outgoing heating medium temperature	°C	58	58	58	58
Refrigerant quantity (R404A)	kg	1,8	2,0	2,0	2,4
Connection heating medium male Ø	mm	G1 (Ø 28 mm)	G1 (Ø 28 mm)	G1 (Ø 28 mm)	G1 (Ø 28 mm)
Defrosting system		hot gas defrosting	hot gas defrosting	hot gas defrosting	hot gas defrosting
Height with stand	mm	1045	1045	1045	1045
Width	mm	1200	1200	1200	1200
Depth	mm	520	520	520	520
Weight	kg	120	126	132	140
Lowest operational point, outdoor air/flow line	°C	-20/50 °C (-7/58 °C)	-20/50 °C (-7/58 °C)	-20/50 °C (-7/58 °C)	-20/50 °C (-7/58 °C)

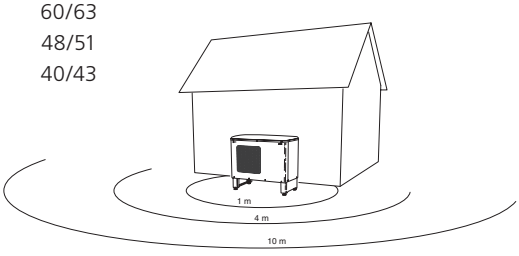
* For compressor, ventilator and control. The relation between "heating capacity and receptivity" must be reduced by approx. 10% during defrosting.
** Outside air temperature/flow temperature

Docking options

NIBE F2025 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.fr for docking options.
When docking with NIBE F2025, 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.



		F2025-6	F2025-8	F2025-10	F2015-14
Sound power level	Lw(A)	57	57/62	57/62	66/69
Sound pressure level at 1 m. Fan low/high	dB(A)	51	51/56	51/56	60/63
Sound pressure level at 4 m. Fan low/high	dB(A)	39	39/44	39/44	48/51
Sound pressure level at 10 m. Fan low/high	dB(A)	31	31/36	31/36	40/43



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