

## AIR/WATER HEAT PUMP NIBE™ F2120

A breakthrough in efficiency

NEW



## NIBE™ F2120

### A breakthrough in efficiency

Air/water heat pump with a SCOP value better than 5.0!\*

### Class leading working range

Max 65 °C supply temperature and a up to sensational 63 °C at as low as -25 °C ambient

### Extremely installer-friendly

Self-adjusting control system means true plug-and-play installation

### 3-phase connection for all available sizes

No need to upgrade fuses or rebuild electrical system

### Less noise when it counts

Silent fan with intelligent regulator keeps noise down to a minimum – even under full load.

- Inverter controlled compressor adapts power to meet the current heat demand.
- Provides cooling with flow temperature down to +7 °C.
- NIBE F2120 is intended to be combined with any of the indoor modules VVM, or control modules NIBE SMO.

## NIBE F2120

Our new F2120-series of air/water heat pumps represent a real breakthrough in housewarming with a SCOP-value of more than 5.0. Or in other words; the pumps deliver more than five times as much heat, on an annual basis, as an electric heater using the same energy.

And what's more, they have a class leading working range with a supply temperature of max 65°C and deliver up to an amazing 63°C at ambient temperatures as low as -25°C. All this while keeping noise levels exceptionally low. That's what we call a real breakthrough in house warming.

We are well aware that this sounds a bit too good to be true, so talk to your NIBE dealer for a more in-depth explanation or have a look at [www.nibe.eu](http://www.nibe.eu)

\* NIBE F2120-8, -12 SCOP 4,8. NIBE F2120-16, -20 SCOP 5,1

\*\* NIBE F2120 have a SCOP >5.0 according to European Norm, EN 14825:2013 (Average climate, Low temperature), current standard used for determination of the reference seasonal coefficient of performance, SCOP.

 **NIBE**

A+++

Energy efficiency class  
package label for  
NIBE F2120

# Specifications

## NIBE™ F2120

		F2120-8	F2120-12	F2120-16	F2120-20
SCOP <sub>EN14825</sub> Average climate 35 / 55 °C		4,8/3,8	4,8/3,8	5,1/3,9	5,1/3,9
P <sub>designh</sub> 35 / 55 °C	kW	5,9/6,3	8,0/8,3	11,0/12,3	11,0/12,3
7/35, Heat capacity range	kW	3,0–6,3	3,5–9,2	5,1–13	5,1–16
–7/45, Heat capacity range	kW	3,0–5,5	3,5–8,5	5,1–12	5,1–14,5
7/35 Heat capacity / COP, EN14511, nominal		4,77/4,82	3,54/5,12	5,17/5,11	5,17/5,11
7/45 Heat capacity / COP, EN14511, nominal		4,82/3,89	3,64/4,00	5,49/4,14	5,49/4,14
2/35 Heat capacity / COP, EN14511, nominal		4,03/4,43	5,21/4,27	7,80/4,36	9,95/4,22
35/18 Cooling capacity / EER, EN14511, max		5,10/3,73	5,44/3,15	8,19/2,90	9,26/2,54
Efficiency class 35/55°C product label		A++/A++			
Efficiency class 35/55°C Package Label		A+++/A+++			
Sound power level (L <sub>WA</sub> ), according to EN12102 at 7 / 45, nominal	dB(A)	53			
Rated voltage		230V~50Hz / 400V 3N~50Hz		400V 3N~50Hz	
Max operating current, heat pump	A <sub>rms</sub>	16 (1X230V) 6 (3x400V)	16 (1X230V) 7 (3x400V)	9,5	11
Enclosure class		IP 24			
Compressor		Inverter controlled EVI scroll compressor			
Refrigerant amount (R410A)	kg	2,4	2,6	3,0	3,0
CO <sub>2</sub> -equivalent (hermetically sealed refrigerant circuit)	t	5,01	5,43	6,26	6,26
Pipe connection Ø		G1 1/4" male thread (Ø35 mm)			
Max system pressure heating medium	MPa	0,45 (4,5bar)			
Heating temp continuous operation	°C	max 65 (–25/60)		max 65 (–25/63)	
Min/Max air temp	°C	–25 / 43			
Height	mm	1070	1165	1165	1165
Width	mm	1130	1280	1280	1280
Depth	mm	610	612	612	612
Weight (excl. packaging)	kg	150	160	183	183
Art no		064134 (1X230V) 064135 (3x400V)	064136 064137	064139	064141

### NIBE F2120 – part of your climate system

NIBE F2120 is intended to be combined with one of the indoor modules VVM, or control modules NIBE SMO.

An indoor module together with a NIBE F2120 forms a complete system for heating/cooling and hot water. Our flexible indoor modules provides efficient heating/cooling and hot water at a high performance. VVM indoor modules are all-in-one units including a smart and user-friendly control system, water heater, electrical addition, self-regulating circulating pump, etc.

The control modules, NIBE SMO, provides a flexible solution that easily can be customized. For solutions with NIBE SMO, system components such as water heaters, additional heat sources and other accessories are chosen specifically for the actual set-up. Up to 8 NIBE F2120 can be connected to one NIBE SMO40.

NIBE indoor modules and control modules offers a wide variety of system solutions and a wide range of accessories.

	VVM 310	VVM 320	VVM 325	VVM 500	SMO 20	SMO 40
F2120-8	X	X	X	X	X	X
F2120-12	X	X	X	X	X	X
F2120-16	X	X	X	X	X	X
F2120-20				X	X	X

