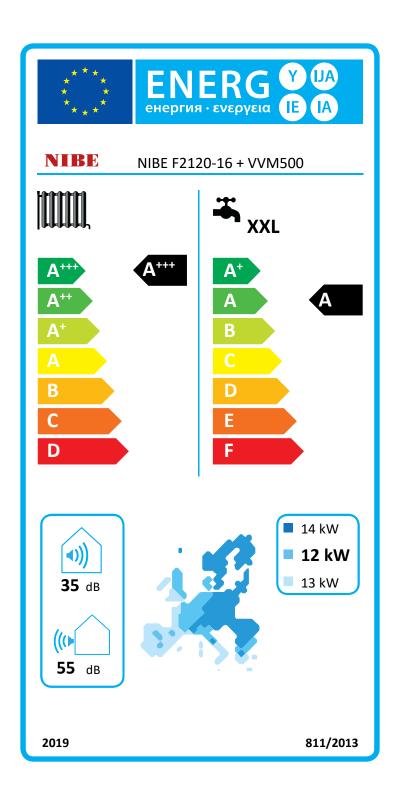
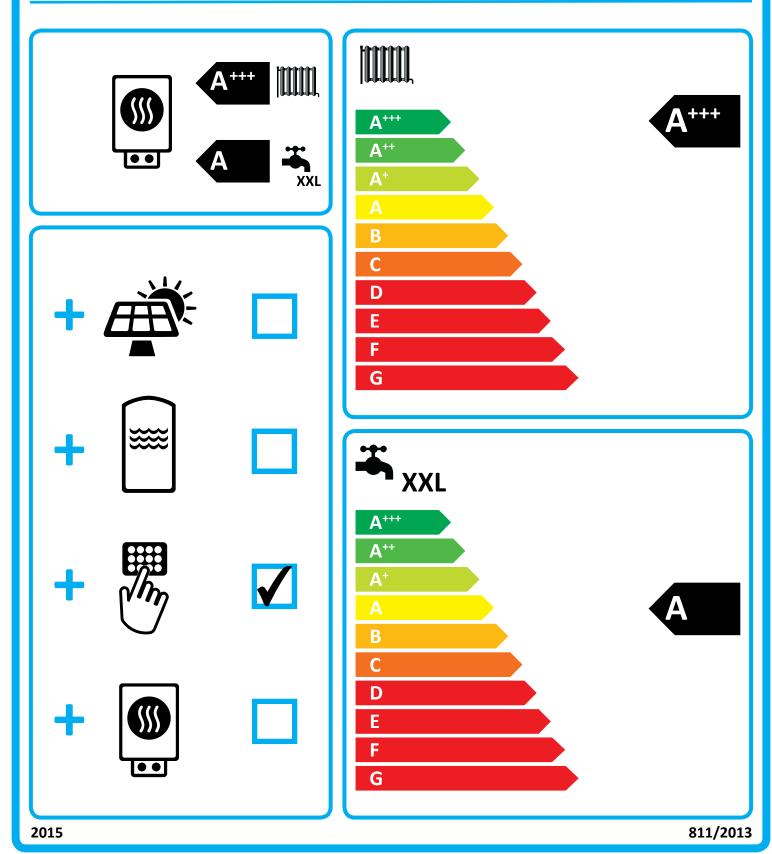
* * * * * * * * *	<b>ENER</b> енергия · еvеруя					
NIBE NIBE F2120-16						
ШШ	55 °C	35 °C				
A*** A** A A B C D	A+++	A++++				
<b>(()</b> ))	<ul> <li>14</li> <li>12</li> <li>13</li> <li>kW</li> </ul>	<ul> <li>13</li> <li>11</li> <li>13</li> <li>kW</li> </ul>				
((() 55 dB						
2019 811/2013						





NIBE

## NIBE F2120-16 + VVM500



Supplier's name:	NI		
Model:	NIBE F2120-16 + VVM500		
Temperature application	35	55	°C
Declared load profile for water	Y	YI	
heating	XXL		
Seasonal space heating energy	A+++	A+++	
efficiency class, average climate:	ATTT	ATT	
Water heating energy efficiency	A		
class, average climate:	F	•	
Rated heat output, average climate:	11	12,3	kW
Annual energy consumption for	4502	6524	kWh
space heating, average climate	4302	0524	K V V I I
Annual electricity consumption for	2096		kWh
water heating, average climate			KVVII
Seasonal space heating energy	400	450	0/
efficiency, average climate:	199	153	%
Water heating energy efficiency,	103		%
average climate:			
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	13,0	14,0	kW
Rated heat output, warm climate:	13,0	13,0	kW
Annual energy consumption for	7543	9765	kWh
space heating, cold climate	7545	9705	KVVII
Annual electricity consumption for	22	.84	kWh
water heating, cold climate	2204		KVVII
Annual energy consumption for	3153	3867	kWh
space heating, warm climate	0100		
Annual electricity consumption for	1873		kWh
water heating, warm climate			
Seasonal space heating energy efficiency, cold climate:	167	138	%
Water heating energy efficiency,			
cold climate:	94		%
Seasonal space heating energy			
efficiency, warm climate:	217	177	%
Water heating energy efficiency,			%
warm climate:	115		%
Sound power level LWA outdoors	55		dB

## Data for package fiche

Controller class	V	/	
Controler contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	203	157	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	171	142	%
Seasonal space heating energy efficiency of package, warm climate:	221	181	%

Model(s):		N	IIBE F2120	0-16 + VVM500			
Type of heat source/sink:			Air-to-water				
Low-temperature heat pump: Equipped with supplementary heater: Heat pump combination heater:				No			
				Yes			
				Yes		NIBE	
Climate condition:				erage			
Temperature application:		Me		perature (55 °C)			
Applied standards: EN14825 and EN1614	7						
				Seasonal space heating energy			
Rated heat output	Prated	12,3	kW	efficiency	η <sub>s</sub>	153	%
Declared capacity for part load at outdoor temperature Tj				Declared coefficient of performance for po	rt load at outdo	oor temperat	ure Tj
Tj = -7 °C	Pdh	10,9	kW	Tj = -7 °C	COPd	2,48	-
Tj = +2 °C	Pdh	6,7	kW	Tj = +2 °C	COPd	3,96	-
Tj = +7 °C	Pdh	5,9	kW	Tj = +7 °C	COPd	4,67	-
Tj = +12 °C	Pdh	6,0	kW	Tj = +12 °C	COPd	5,67	-
Tj = biv	Pdh	10,9	kW	Tj = biv	COPd	2,48	-
Tj = TOL	Pdh	11,6	kW	Tj = TOL	COPd	2,40	-
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-
Bivalent temperature	T <sub>biv</sub>	-7	°C	Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych		kW	Cycling interval efficiency	COPcyc		-
Degradation co-efficient	Cdh	0,99	-	Heating water operating limit	WTOL	65	°C
	1.						
<i>Power consumption in modes other than activ</i> Off mode	e mode P <sub>OFF</sub>	0,025	kW	Supplementary heater Rated heat output	Psup	0.7	kW
Thermostat-off mode	-	0,025	kW		FSup	0,7	K V V
	P <sub>TO</sub>	,		Turne of an annu langut	1	<b>FI</b>	
Standby mode	P <sub>SB</sub>	0,025	kW	Type of energy input Electric			
Crankcase heater mode	Р <sub>ск</sub>	0,037	kW				
Other items							
Capacity control		variable		Rated air flow rate, outdoors		4150	m³/h
				Rated water flow rate, indoor heat			
Sound power level, indoors/outdoors	L <sub>WA</sub>	35/55	dB	exchanger		variable	m³/h
				Rated brine or water flow rate,			1
Annual energy consumption	Q <sub>HE</sub>	6524	kWh	outdoor heat exchanger			m³/h
			<b>-</b>				
For heat pump combination heater:		VVI		Weter booting on over officiary	n	102	0/
Declared load profile		XXL		Water heating energy efficiency	η <sub>wh</sub>	103	%
Daily electricity consumption	Q <sub>elec</sub>	9,54	kWh	Daily fuel consumption	Q <sub>fuel</sub>		kWh
Annual electricity consumption	AEC	2096	kWh	Annual fuel consumption	AFC		GJ
Approved by:					1	1	
Contact details		nergy Sv	stems - B	ox 14 - Hannabadsvägen 5 - 28521 Ma	karvd - Swe	len	