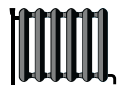
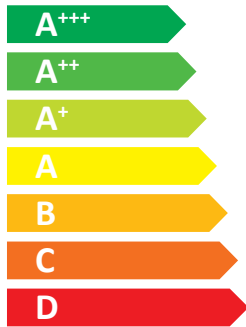


## NIBE F2120-8



55 °C

35 °C



A++

A+++



dB



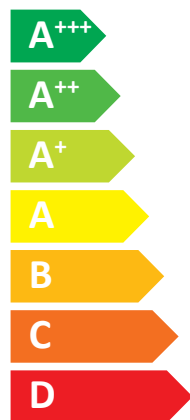
53 dB

7  
6  
6  
kW

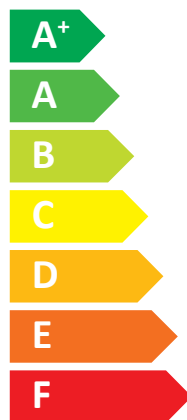
7  
6  
6  
kW



## NIBE F2120-8 + VVM320



A++



A



35 dB

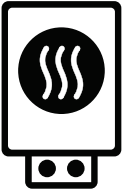




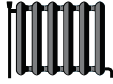




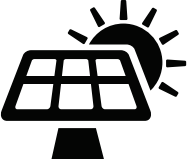
53 dB





- 7 kW
- 6 kW
- 6 kW


## NIBE F2120-8 + VVM320













+ 

+ 

+ 


+ 

Model:	<b>NIBE F2120-8 + VVM320</b>		
Temperature application	<b>35</b>	<b>55</b>	°C
Declared load profile for water heating	<b>XL</b>		
Seasonal space heating energy efficiency class, average climate:	<b>A+++</b>	<b>A++</b>	
Water heating energy efficiency class, average climate:	<b>A</b>		
Rated heat output, average climate:	5,9	6,3	kW
Annual energy consumption for space heating, average climate	2544	3472	kWh
Annual electricity consumption for water heating, average climate	1661		kWh
Seasonal space heating energy efficiency, average climate:	189	147	%
Water heating energy efficiency, average climate:	101		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	6,8	7,4	kW
Rated heat output, warm climate:	5,9	6,3	kW
Annual energy consumption for space heating, cold climate	4182	5524	kWh
Annual electricity consumption for water heating, cold climate	1895		kWh
Annual energy consumption for space heating, warm climate	1452	1939	kWh
Annual electricity consumption for water heating, warm climate	1473		kWh
Seasonal space heating energy efficiency, cold climate:	158	130	%
Water heating energy efficiency, cold climate:	88		%
Seasonal space heating energy efficiency, warm climate:	214	171	%
Water heating energy efficiency, warm climate:	114		%
Sound power level LWA outdoors	53		dB

### Data for package fiche

Controller class	VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	193	151	%
Seasonal space heating energy efficiency class for package, average climate:	<b>A+++</b>	<b>A+++</b>	%
Seasonal space heating energy efficiency of package, cold climate:	162	134	%
Seasonal space heating energy efficiency of package, warm climate:	218	175	%

<b>Model(s):</b>				<b>NIBE F2120-8 + VVM320</b>								
Type of heat source/sink:				Air-to-water								
Low-temperature heat pump:				No								
Equipped with supplementary heater:				Yes								
Heat pump combination heater:				Yes								
Climate condition:				Average								
Temperature application:				Medium temperature (55 °C)								
Applied standards: EN14825, EN14511, EN16147 and EN12102												
<b>Rated heat output</b>				Prated	6,3	kW		<b>Seasonal space heating energy efficiency</b>				
								$\eta_s$	147	%		
<i>Declared capacity for part load at outdoor temperature Tj</i>								<i>Declared coefficient of performance for part load at outdoor temperature Tj</i>				
Tj = -7 °C	Pdh	5,5	kW						Tj = -7 °C	COPd	2,48	-
Tj = +2 °C	Pdh	4,1	kW						Tj = +2 °C	COPd	3,80	-
Tj = +7 °C	Pdh	2,9	kW						Tj = +7 °C	COPd	4,45	-
Tj = +12 °C	Pdh	3,3	kW						Tj = +12 °C	COPd	5,26	-
Tj = biv	Pdh	5,5	kW						Tj = biv	COPd	2,48	-
Tj = TOL	Pdh	5,7	kW						Tj = TOL	COPd	2,34	-
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				
Cycling interval capacity for heating				P <sub>cyh</sub>		kW		Cycling interval efficiency				
Degradation co-efficient				Cdh	0,99	-		Heating water operating limit				
								TOL				
								COP <sub>cyh</sub>				
								WTOL				
								65				
								°C				
								-				
								°C				
<i>Power consumption in modes other than active mode</i>								<i>Supplementary heater</i>				
Off mode	P <sub>OFF</sub>	0,025	kW						Rated heat output			
Thermostat-off mode	P <sub>TO</sub>	0,01	kW						P <sub>sup</sub>			
Standby mode	P <sub>SB</sub>	0,025	kW						0,6			
Crankcase heater mode	P <sub>CK</sub>	0,037	kW						kW			
								Type of energy input				
								Electric				
<i>Other items</i>												
Capacity control	variable							Rated air flow rate, outdoors				
Sound power level, indoors/outdoors	L <sub>WA</sub>	35/53	dB						2300			
Annual energy consumption	Q <sub>HE</sub>	3472	kWh						m <sup>3</sup> /h			
								Rated water flow rate, indoor heat exchanger				
								variable				
								m <sup>3</sup> /h				
								Rated brine or water flow rate, outdoor heat exchanger				
								m <sup>3</sup> /h				
<i>For heat pump combination heater:</i>												
<b>Declared load profile</b>				<b>XL</b>				<b>Water heating energy efficiency</b>				
								$\eta_{wh}$				
								101				
								%				
Daily electricity consumption	Q <sub>elec</sub>	7,56	kWh						Daily fuel consumption			
Annual electricity consumption	AEC	1661	kWh						Q <sub>fuel</sub>			
								kWh				
								Annual fuel consumption				
								AFC				
								GJ				

**Postadress:**

TRÄDGÅRDSTEKNIK AB  
Helsingborgsvägen 578, Varalöv  
262 96 ÄNGELHOLM

Telefon : 0431-222 90  
Bg.nr : 5743-7980  
Org.nr : 556409-6120

**URL:**

[www.tradgardsteknik.se](http://www.tradgardsteknik.se)  
E-postadress:  
[info@tradgardsteknik.se](mailto:info@tradgardsteknik.se)