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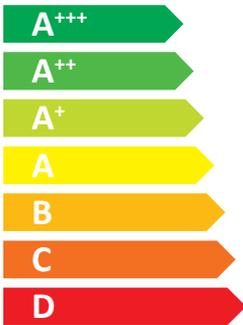
**NIBE**

NIBE F1253-4



55 °C

35 °C



**A+++**

**A+++**



**42** dB



dB

■ 4  
■ 4  
■ 4  
kW

■ 4  
■ 4  
■ 4  
kW



2019

811/2013

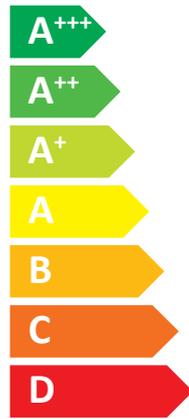


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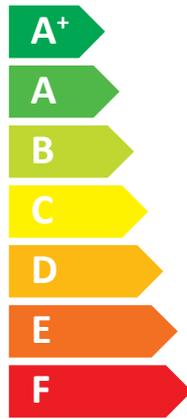


**NIBE**

NIBE F1253-4



**A+++**



**A**

42 dB

dB



- 4 kW
- 4 kW
- 4kW

2019

811/2013



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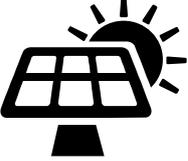
## NIBE

## NIBE F1253-4







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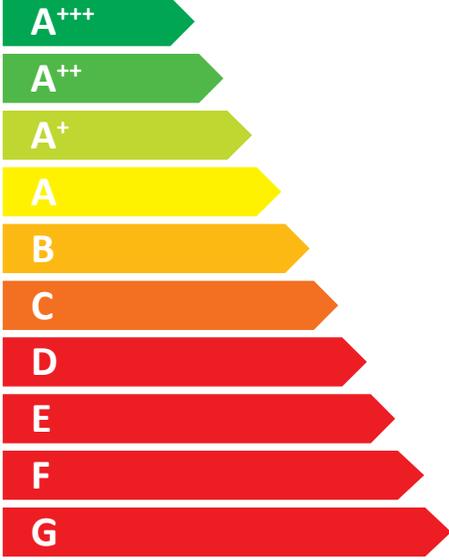
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Supplier's name:	NIBE AB		
Model:	NIBE F1253-4		
Temperature application	35	55	°C
Declared load profile for water heating	XL		
Seasonal space heating energy efficiency class, average climate:	<b>A+++</b>	<b>A+++</b>	
Water heating energy efficiency class, average climate:	<b>A</b>		
Rated heat output, average climate:	4	4	kW
Annual energy consumption for space heating, average climate	1695	2248	kWh
Annual electricity consumption for water heating, average climate	1643		kWh
Seasonal space heating energy efficiency, average climate:	202	150	%
Water heating energy efficiency, average climate:	102		%
Sound power level LWA indoors	42		dB
Rated heat output, cold climate:	4	4	kW
Rated heat output, warm climate:	4	4	kW
Annual energy consumption for space heating, cold climate	1928	2612	kWh
Annual electricity consumption for water heating, cold climate	1643		kWh
Annual energy consumption for space heating, warm climate	1108	1472	kWh
Annual electricity consumption for water heating, warm climate	1643		kWh
Seasonal space heating energy efficiency, cold climate:	212	154	%
Water heating energy efficiency, cold climate:	102		%
Seasonal space heating energy efficiency, warm climate:	199	148	%
Water heating energy efficiency, warm climate:	102		%
Sound power level LWA outdoors	-		dB

#### Data for package fiche

Controller class	VI		
Controller contribution to efficiency	4		%
Seasonal space heating energy efficiency of package, average climate:	206	154	%
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:	216	158	%
Seasonal space heating energy efficiency of package, warm climate:	203	152	%

<b>Model(s):</b>	<b>NIBE F1253-4</b>			<b>NIBE</b>			
Type of heat source/sink:	Brine/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 - EN16147 - EN12102-1							
<b>Rated heat output</b>	Prated	4,3	kW	<b>Seasonal space heating energy efficiency</b>	$\eta_s$	150	%
<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	3,9	kW	Tj = -7 °C	COPd	3,1	
Tj = +2 °C	Pdh	2,4	kW	Tj = +2 °C	COPd	4,0	
Tj = +7 °C	Pdh	1,6	kW	Tj = +7 °C	COPd	4,5	
Tj = +12 °C	Pdh	1,2	kW	Tj = +12 °C	COPd	4,7	
Tj = biv	Pdh	3,8	kW	Tj = biv	COPd	3,0	
Tj = TOL	Pdh	3,8	kW	Tj = TOL	COPd	3,0	
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		
Bivalent temperature				Operation limit temperature			
	T <sub>biv</sub>	-9	°C		TOL	-10	°C
Cycling interval capacity for heating				Cycling interval efficiency			
	P <sub>cyh</sub>		kW		COP <sub>cyh</sub>		-
Degradation co-efficient				Heating water operating limit			
	Cdh	0,99	-		WTOL	65	°C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>			
Off mode	P <sub>OFF</sub>	0,002	kW	Rated heat output			
Thermostat-off mode	P <sub>TO</sub>	0,002	kW		P <sub>sup</sub>	0,5	kW
Standby mode	P <sub>SB</sub>	0,002	kW	Type of energy input			
Crankcase heater mode	P <sub>CK</sub>	0,009	kW		Electric		
<i>Other items</i>							
Capacity control	Variable			Rated air flow rate, outdoors			
							m³/h
Sound power level, indoors/outdoors	L <sub>WA</sub>	42/-	dB	Rated water flow rate, indoor heat exchanger			
							m³/h
Annual energy consumption	Q <sub>HE</sub>	2248	kWh	Rated brine or water flow rate, outdoor heat exchanger			
						0,51	m³/h
<i>For heat pump combination heater:</i>							
<b>Declared load profile</b>	<b>XL</b>			<b>Water heating energy efficiency</b>			
					$\eta_{wh}$	102	%
Daily electricity consumption	Q <sub>elec</sub>	7,48	kWh	Daily fuel consumption			
Annual electricity consumption	AEC	1643	kWh		Q <sub>fuel</sub>		kWh
				Annual fuel consumption			
					AFC		GJ
<b>Approved by:</b>							
<b>Contact details</b>				© NIBE Energy Systems - Box 14 - Hannabadvägen 5 - 28521 Markaryd - Sweden			