



**ENERG**  
енергия · ενέργεια



**NIBE**

NIBE F1245-8



55 °C

35 °C



**A++**

**A++**



**45** dB



dB

■ 8  
■ 8  
■ 8

kW

■ 9  
■ 9  
■ 9

kW



2015

811/2013



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**NIBE**

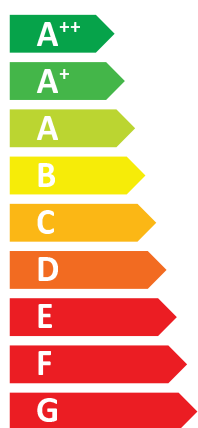
NIBE F1245-8



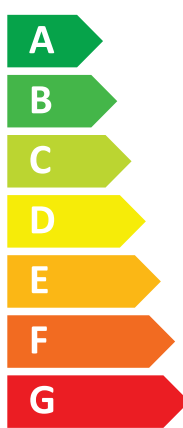
55°C



XL



A++



A



45 dB



dB



8 kW  
8 kW  
8 kW

2015

811/2013



# ENERG

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Y

IJA

IE

IA

 **NIBE**

NIBE F1245-8



35 °C



**A<sup>++</sup>**

**A<sup>+++</sup>**

**A<sup>+++</sup>**

**A<sup>++</sup>**

**A<sup>+</sup>**

**A**

**B**

**C**

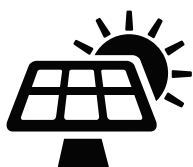
**D**

**E**

**F**

**G**

+



+



+



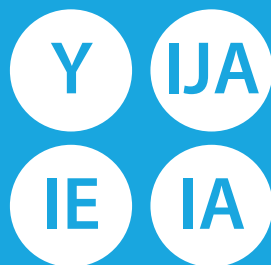
+





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**NIBE**

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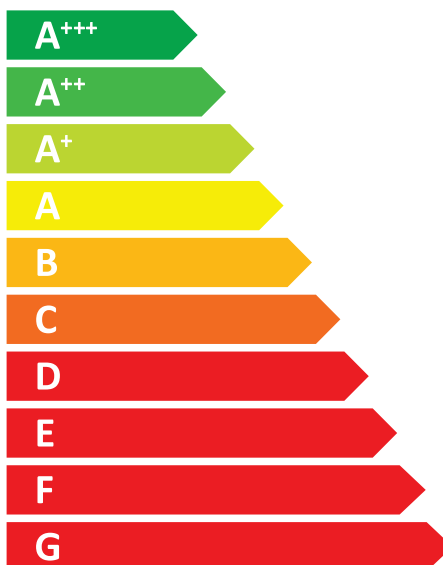
A<sup>++</sup>



A

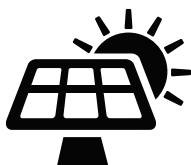


55 °C



A<sup>++</sup>

+



+



+



+




A

Supplier's name:	<b>NIBE</b>		
Model:	<b>NIBE F1245-8</b>		
Temperature application	35	55	°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:	9	8	kW
Annual energy consumption for space heating, average climate	3797	4433	kWh
Annual electricity consumption for water heating, average climate	1668		kWh
Seasonal space heating energy efficiency, average climate:	188	141	%
Water heating energy efficiency, average climate:	100		%
Sound power level LWA indoors	45		dB
Rated heat output, cold climate:	9	8	kW
Rated heat output, warm climate:	9	8	kW
Annual energy consumption for space heating, cold climate	4393	5142	kWh
Annual electricity consumption for water heating, cold climate	1668		kWh
Annual energy consumption for space heating, warm climate	2461	2860	kWh
Annual electricity consumption for water heating, warm climate	1668		kWh
Seasonal space heating energy efficiency, cold climate:	194	145	%
Water heating energy efficiency, cold climate:	100		%
Seasonal space heating energy efficiency, warm climate:	187	141	%
Water heating energy efficiency, warm climate:	100		%
Sound power level LWA outdoors	-		dB

#### Data for package fiche

Controller class	VII		
Controller contribution to efficiency	3,5		%
Seasonal space heating energy efficiency of package, average climate:	191	145	%
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:	198	149	%
Seasonal space heating energy efficiency of package, warm climate:	191	145	%

<b>Model(s):</b>				<b>NIBE F1245-8</b>							
Type of heat source/sink:				Brine-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 and EN16147											
<b>Rated heat output</b>			Prated	8,0	kW	<b>Seasonal space heating energy efficiency</b>			ηs	141	%
<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	6,2	kW	Tj = -7 °C		COPd	3,28	kW		
Tj = +2 °C		Pdh	6,9	kW	Tj = +2 °C		COPd	3,81	kW		
Tj = +7 °C		Pdh	7,2	kW	Tj = +7 °C		COPd	4,13	kW		
Tj = +12 °C		Pdh	7,6	kW	Tj = +12 °C		COPd	4,41	kW		
Tj = biv		Pdh	6,4	kW	Tj = biv		COPd	3,44	kW		
Tj = TOL		Pdh	5,9	kW	Tj = TOL		COPd	3,07	kW		
Tj = -15 °C (if TOL < -20 °C)		Pdh		kW	Tj = -15 °C (if TOL < -20 °C)		COPd		kW		
Bivalent temperature		Tbiv	-4,9	°C	Operation limit temperature		TOL	-10	°C		
Cycling interval capacity for heating		Pcyc		kW	Cycling interval efficiency		COPcyc		-		
Degradation co-efficient		Cdh	0,99	-	Heating water operating limit		WTOL	65	°C		
<i>Power consumption in modes other than active mode</i>						<i>Supplementary heater</i>					
Off mode		POFF	0,002	kW	Rated heat output		Psup	2,1	kW		
Thermostat-off mode		Pto	0,012	kW							
Standby mode		PSB	0,007	kW	Type of energy input		Electric				
Crankcase heater mode		PCK	0,014	kW							
<i>Other items</i>											
Capacity control		fixed			Rated air flow rate, outdoors				m³/h		
Sound power level, indoors/outdoors		LWA	45/-	dB	Rated water flow rate, indoor heat exchanger			0,64	m³/h		
Annual energy consumption		QHE	4433	kWh	Rated brine or water flow rate, outdoor heat exchanger			1,20	m³/h		
<i>For heat pump combination heater:</i>											
<b>Declared load profile</b>			<b>XL</b>			<b>Water heating energy efficiency</b>			ηwh	100	%
Daily electricity consumption		Qelec	7,60	kWh	Daily fuel consumption		Qfuel		kWh		
Annual electricity consumption		AEC	1668	kWh	Annual fuel consumption		AFC		GJ		
<b>Approved by:</b>											
<b>Contact details</b>			<b>© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden</b>								