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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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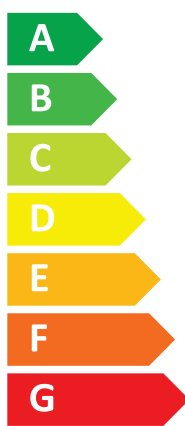
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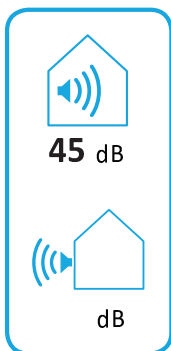
NIBE F1245-8



A++



A



2015

811/2013



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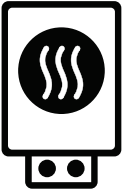




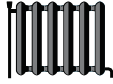


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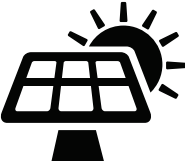
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IA


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NIBE F1245-8













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Supplier's name:	NIBE		
Model:	NIBE F1245-8		
Temperature application	35	55	°C
Declared load profile for water heating	XL		
Seasonal space heating energy efficiency class, average climate:	A++	A++	
Water heating energy efficiency class, average climate:	A		
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:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	198	149	%
Seasonal space heating energy efficiency of package, warm climate:	191	145	%

Model(s):		NIBE F1245-8							
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									
Rated heat output		Prated	8,0	kW	Seasonal space heating energy efficiency		η_s	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	-		
Tj = +2 °C	Pdh	6,9	kW	Tj = +2 °C	COPd	3,81	-		
Tj = +7 °C	Pdh	7,2	kW	Tj = +7 °C	COPd	4,13	-		
Tj = +12 °C	Pdh	7,6	kW	Tj = +12 °C	COPd	4,41	-		
Tj = biv	Pdh	6,4	kW	Tj = biv	COPd	3,44	-		
Tj = TOL	Pdh	5,9	kW	Tj = TOL	COPd	3,07	-		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-		
Bivalent temperature				T _{biv}	-4,9	°C	Operation limit temperature		
Cycling interval capacity for heating				P _{cyh}		kW	Cycling interval efficiency		
Degradation co-efficient				Cdh	0,99	-	Heating water operating limit		
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>					
Off mode	P _{OFF}	0,002	kW	Rated heat output		P _{sup}	2,1	kW	
Thermostat-off mode	P _{TO}	0,012	kW						
Standby mode	P _{SB}	0,007	kW	Type of energy input		Electric			
Crankcase heater mode	P _{CK}	0,014	kW						
<i>Other items</i>									
Capacity control	fixed			Rated air flow rate, outdoors				m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	45/-	dB	Rated water flow rate, indoor heat exchanger			0,64	m ³ /h	
Annual energy consumption	Q _{HE}	4433	kWh	Rated brine or water flow rate, outdoor heat exchanger			1,20	m ³ /h	
<i>For heat pump combination heater:</i>									
Declared load profile		XL		Water heating energy efficiency		η_{wh}	100	%	
				Daily electricity consumption		Q _{elec}	7,60	kWh	
				Annual electricity consumption		AEC	1668	kWh	
				Daily fuel consumption		Q _{fuel}		kWh	
				Annual fuel consumption		AFC		GJ	
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							