

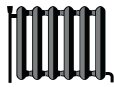


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NIBE

NIBE F2300-14



55 °C

35 °C



A++

A++



dB



62 dB

■ 13
■ **13**
■ 17
kW

■ 13
■ **13**
■ 17
kW



2015

811/2013



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Y IJA
IE IA

NIBE

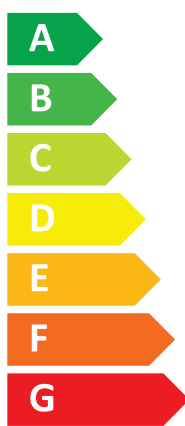
NIBE F2300-14 + VVM500



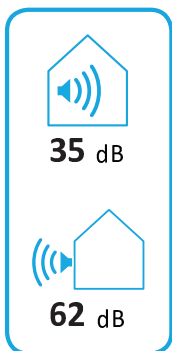
XXL



A++



A



2015

811/2013



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Y

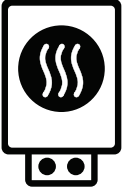




IJA

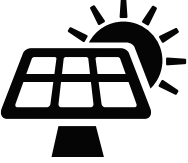
IE


IA


NIBE


NIBE F2300-14 + VVM500

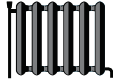











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Supplier's name:	NIBE		
Model:	NIBE F2300-14+ VVM 500		
Temperature application	35	55	°C
Declared load profile for water heating	XXL		
Seasonal space heating energy efficiency class, average climate:	A++	A++	
Water heating energy efficiency class, average climate:	A		
Rated heat output, average climate:	12,9	12,9	kW
Annual energy consumption for space heating, average climate	6803	8143	kWh
Annual electricity consumption for water heating, average climate	2203		kWh
Seasonal space heating energy efficiency, average climate:	154	128	%
Water heating energy efficiency, average climate:	98		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	12,9	12,6	kW
Rated heat output, warm climate:	16,7	16,7	kW
Annual energy consumption for space heating, cold climate	9158	10557	kWh
Annual electricity consumption for water heating, cold climate	2553		kWh
Annual energy consumption for space heating, warm climate	4902	5892	kWh
Annual electricity consumption for water heating, warm climate	2042		kWh
Seasonal space heating energy efficiency, cold climate:	136	115	%
Water heating energy efficiency, cold climate:	84		%
Seasonal space heating energy efficiency, warm climate:	179	148	%
Water heating energy efficiency, warm climate:	105		%
Sound power level LWA outdoors	62		dB

Data for package fiche

Controller class	VII		
Controller contribution to efficiency	3,5		%
Seasonal space heating energy efficiency of package, average climate:	157	131	%
Seasonal space heating energy efficiency class for package, average climate:	A++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	139	118	%
Seasonal space heating energy efficiency of package, warm climate:	183	152	%

Model(s):		NIBE F2300-14+ VVM 500									
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 and EN16147											
Rated heat output		Prated	12,9	kW	Seasonal space heating energy efficiency		η_s	128	%		
<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	9,9	kW	Tj = -7 °C	COPd	2,5	-				
Tj = +2 °C	Pdh	12,2	kW	Tj = +2 °C	COPd	3,33	-				
Tj = +7 °C	Pdh	13,9	kW	Tj = +7 °C	COPd	3,92	-				
Tj = +12 °C	Pdh	15,8	kW	Tj = +12 °C	COPd	4,51	-				
Tj = biv	Pdh	10,4	kW	Tj = biv	COPd	2,64	-				
Tj = TOL	Pdh	9,2	kW	Tj = TOL	COPd	2,21	-				
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-				
Bivalent temperature				T _{biv}	-5	°C	Operation limit temperature		TOL	-10	°C
Cycling interval capacity for heating				P _{cyc}		kW	Cycling interval efficiency		COP _{cyc}		-
Degradation co-efficient				C _{dh}	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	P _{OFF}	0,002	kW	Rated heat output		P _{sup}	3,7	kW			
Thermostat-off mode	P _{TO}	0,015	kW	Type of energy input		Electric					
Standby mode	P _{SB}	0,015	kW								
Crankcase heater mode	P _{CK}	0,035	kW								
<i>Other items</i>											
Capacity control				fixed		Rated air flow rate, outdoors			6000	m ³ /h	
Sound power level, indoors/outdoors				L _{WA}	35/62	dB	Rated water flow rate, indoor heat exchanger			1,62	m ³ /h
Annual energy consumption				Q _{HE}	8143	kWh	Rated brine or water flow rate, outdoor heat exchanger				m ³ /h
<i>For heat pump combination heater:</i>											
Declared load profile		XXL		Water heating energy efficiency		η_{wh}	98	%			
Daily electricity consumption		Q _{elec}	10,03	kWh	Daily fuel consumption		Q _{fuel}		kWh		
Annual electricity consumption		AEC	2203	kWh	Annual fuel consumption		AFC		GJ		
Approved by:											
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden									