



ENERG
енергия · ενεργεια

Y IJA
IE IA

NIBE

NIBE F2300-14



55 °C

35 °C



A++

A++



35 dB



62 dB

■ 13
■ **13**
■ 17
kW

■ 13
■ **13**
■ 17
kW



2015

811/2013



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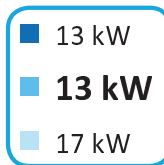
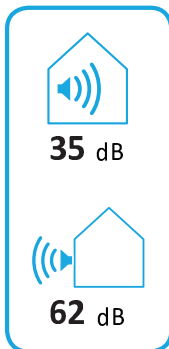
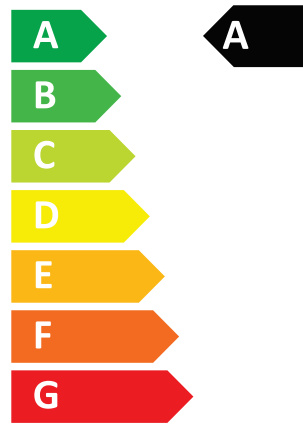
Y IJA
IE IA

NIBE

NIBE F2300-14 + VVM500

 55°C

 XXL



2015

811/2013



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Y

IJA

IE

IA

NIBE

NIBE F2300-14

 35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

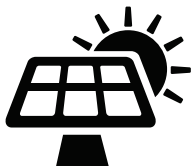
D

E

F

G

+



+



+



+





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Y

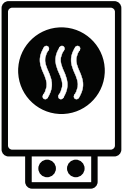




IJA

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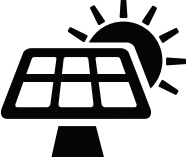
IA


NIBE


NIBE F2300-14 + VVM500









XXL

+ 




+ 

+ 



+ 



55 °C


XXL

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			
Tj = +2 °C				Pdh	12,2	kW		COPd			
Tj = +7 °C				Pdh	13,9	kW		COPd			
Tj = +12 °C				Pdh	15,8	kW		COPd			
Tj = biv				Pdh	10,4	kW		COPd			
Tj = TOL				Pdh	9,2	kW		COPd			
Tj = -15 °C (if TOL < -20 °C)				Pdh		kW		COPd			
Bivalent temperature				T _{biv}	-5	°C		Operation limit temperature			
Cycling interval capacity for heating				P _{cyc}		kW		COP _{cyc}			
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				P _{OFF}	0,002	kW		Rated heat output			
Thermostat-off mode				P _{TO}	0,015	kW		P _{sup}			
Standby mode				P _{SB}	0,015	kW		3,7			
Crankcase heater mode				P _{CK}	0,035	kW		kW			
								Type of energy input			
								Electric			
<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			
<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			
Annual electricity consumption				AEC	2203	kWh		Q _{fuel}			
								kWh			
								AFC			
								GJ			
Approved by:											
Contact details											
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