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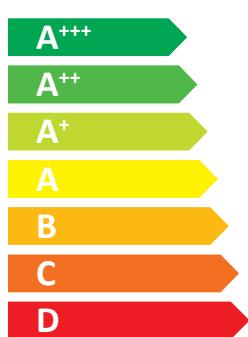
NIBE

NIBE S2125-16



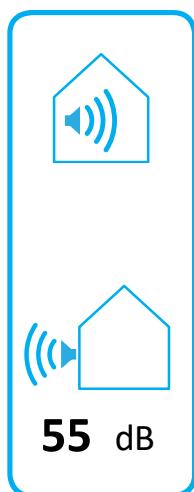
55 °C

35 °C

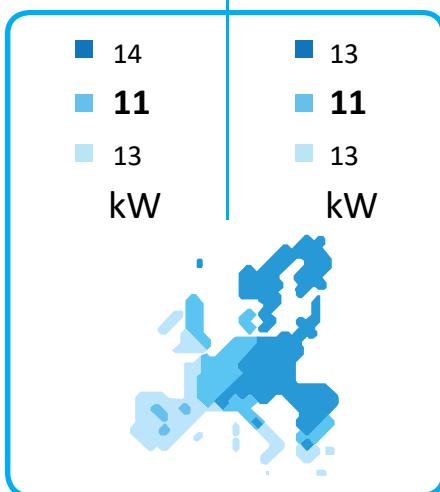


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2019



811/2013

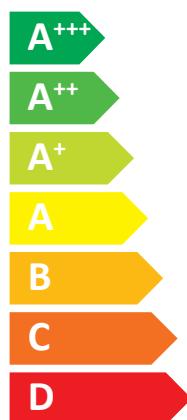


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NIBE

NIBE S2125-16 + VVM S500



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B

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D



XXL

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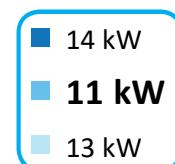
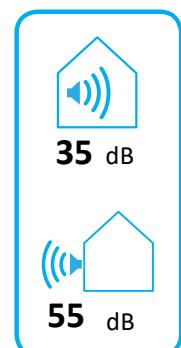
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2019

811/2013

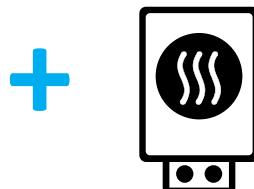
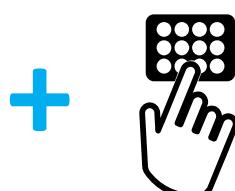
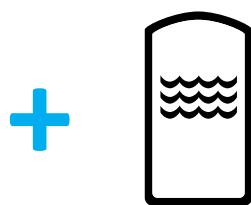
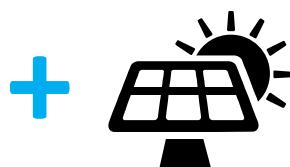
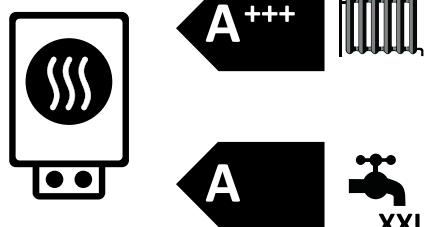


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NIBE

NIBE S2125-16 + VVM S500



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Supplier's name:	NIBE		
Model:	NIBE S2125-16 + VVM S500		
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:	11	11	kW
Annual energy consumption for space heating, average climate	4264	5569	kWh
Annual electricity consumption for water heating, average climate	1932		
Seasonal space heating energy efficiency, average climate:	210	160	%
Water heating energy efficiency, average climate:	112		
Sound power level LWA indoors	35		
Rated heat output, cold climate:	13	14	kW
Rated heat output, warm climate:	13	13	kW
Annual energy consumption for space heating, cold climate	7161	9604	kWh
Annual electricity consumption for water heating, cold climate	2283		
Annual energy consumption for space heating, warm climate	2894	3619	kWh
Annual electricity consumption for water heating, warm climate	1729		
Seasonal space heating energy efficiency, cold climate:	176	141	%
Water heating energy efficiency, cold climate:	94		
Seasonal space heating energy efficiency, warm climate:	237	189	%
Water heating energy efficiency, warm climate:	125		
Sound power level LWA outdoors	55		

Data for package fiche

Controller class	VI		
Controller contribution to efficiency	4,0		
Seasonal space heating energy efficiency of package, average climate:	214	164	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	180	145	%
Seasonal space heating energy efficiency of package, warm climate:	241	193	%

Model(s):		NIBE S2125-16 + VVM S500									
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	11,0	kW	Seasonal space heating energy efficiency		η _s	160	%		
Declared capacity for part load at outdoor temperature T _j				Declared coefficient of performance for part load at outdoor temperature T _j							
T _j = -7 °C	Pdh	9,6	kW	T _j = -7 °C	COPd	2,49	-				
T _j = +2 °C	Pdh	5,8	kW	T _j = +2 °C	COPd	4,07	-				
T _j = +7 °C	Pdh	5,1	kW	T _j = +7 °C	COPd	5,25	-				
T _j = +12 °C	Pdh	5,7	kW	T _j = +12 °C	COPd	6,25	-				
T _j = biv	Pdh	10,5	kW	T _j = biv	COPd	2,16	-				
T _j = TOL	Pdh	10,5	kW	T _j = TOL	COPd	2,16	-				
T _j = -15 °C (if TOL < -20 °C)	Pdh		kW	T _j = -15 °C (if TOL < -20 °C)	COPd		-				
Bivalent temperature	T _{biv}	-10	°C	Operation limit temperature		TOL	-10	°C			
Cycling interval capacity for heating	P _{cyc}		kW	Cycling interval efficiency		COP _{cyc}		-			
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit		WTOL	65	°C			
Power consumption in modes other than active mode				Supplementary heater							
Off mode	P _{OFF}	0,007	kW	Rated heat output		P _{sup}	0,0	kW			
Thermostat-off mode	P _{TO}	0,014	kW	Type of energy input							
Standby mode	P _{SB}	0,010	kW								
Crankcase heater mode	P _{CK}	0,000	kW	Electric							
Other items											
Capacity control	variable			Rated air flow rate, outdoors		2526	m ³ /h				
Sound power level, indoors/outdoors	L _{WA}	35/55	dB	Rated water flow rate, indoor heat exchanger			m ³ /h				
Annual energy consumption	Q _{HE}	5569	kWh	Rated brine or water flow rate, outdoor heat exchanger			m ³ /h				
For heat pump combination heater:											
Declared load profile		XXL		Water heating energy efficiency		η _{wh}	112	%			
Daily electricity consumption	Q _{elec}	8,798	kWh								
Annual electricity consumption	AEC	1932	kWh								
Approved by:											
Contact details		© NIBE Energy Systems - Box 14 - Hannabävdvägen 5 - 28521 Markaryd - Sweden									