



ENERG
енергия · ενέργεια

Y IJA
IE IA

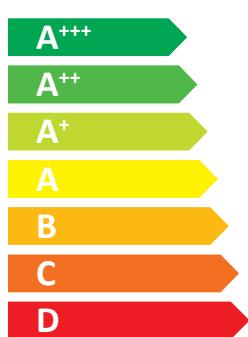
NIBE

NIBE S2125-20



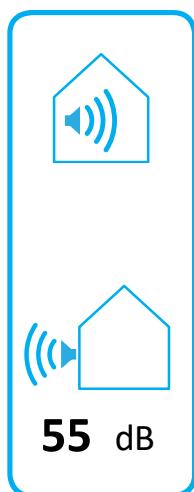
55 °C

35 °C

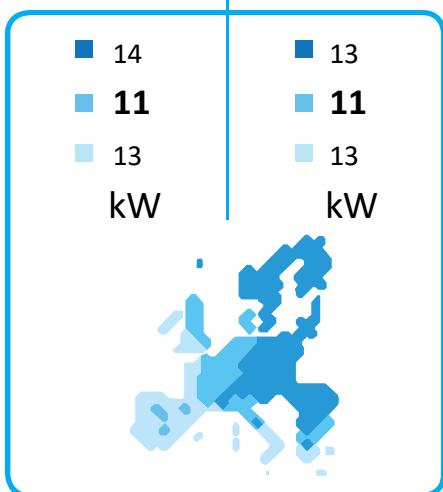


A+++

A+++



2019



811/2013

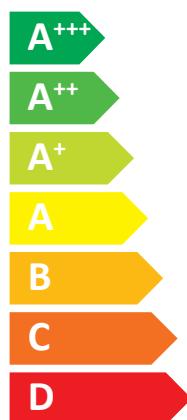


ENERG
енергия · ενέργεια

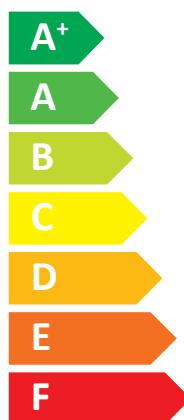
Y IJA
IE IA

NIBE

NIBE S2125-20 + VVM S500

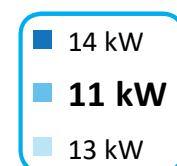
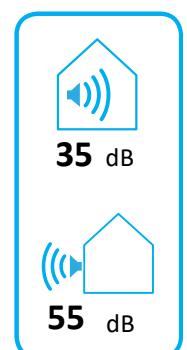


A+++



XXL

A



2019

811/2013

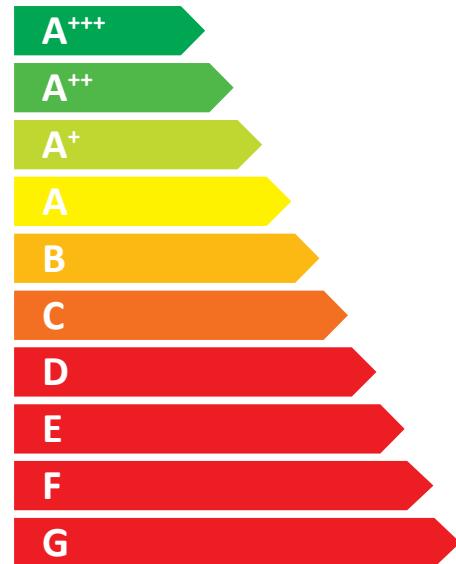
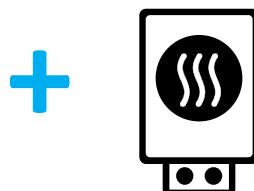
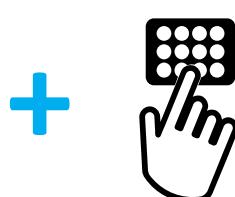
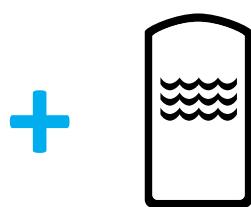
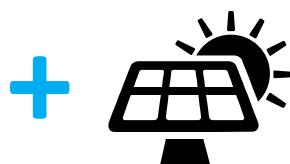
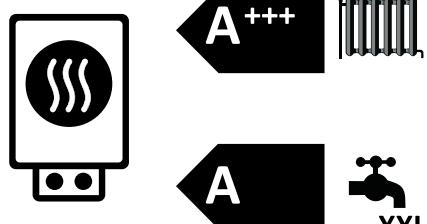


ENERG
енергия · ενέργεια

Y IJA
IE IA

NIBE

NIBE S2125-20 + VVM S500



Supplier's name:	NIBE		
Model:	NIBE S2125-20 + 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	4288	5569	kWh
Annual electricity consumption for water heating, average climate	1932		
Seasonal space heating energy efficiency, average climate:	209	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	6958	9360	kWh
Annual electricity consumption for water heating, cold climate	2283		
Annual energy consumption for space heating, warm climate	2751	3622	kWh
Annual electricity consumption for water heating, warm climate	1729		
Seasonal space heating energy efficiency, cold climate:	181	144	%
Water heating energy efficiency, cold climate:	94		
Seasonal space heating energy efficiency, warm climate:	250	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:	213	164	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	185	148	%
Seasonal space heating energy efficiency of package, warm climate:	254	193	%

Model(s):		NIBE S2125-20 + VVM S500		NIBE							
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	%				
<i>Declared capacity for part load at outdoor temperature T_j</i>				<i>Declared coefficient of performance for part load at outdoor temperature T_j</i>							
$T_j = -7^\circ\text{C}$	Pdh	9,6	kW	$T_j = -7^\circ\text{C}$	COPd	2,49	-				
$T_j = +2^\circ\text{C}$	Pdh	5,8	kW	$T_j = +2^\circ\text{C}$	COPd	4,07	-				
$T_j = +7^\circ\text{C}$	Pdh	5,1	kW	$T_j = +7^\circ\text{C}$	COPd	5,25	-				
$T_j = +12^\circ\text{C}$	Pdh	5,7	kW	$T_j = +12^\circ\text{C}$	COPd	6,25	-				
$T_j = \text{biv}$	Pdh	10,5	kW	$T_j = \text{biv}$	COPd	2,16	-				
$T_j = \text{TOL}$	Pdh	10,5	kW	$T_j = \text{TOL}$	COPd	2,16	-				
$T_j = -15^\circ\text{C}$ (if $\text{TOL} < -20^\circ\text{C}$)	Pdh		kW	$T_j = -15^\circ\text{C}$ (if $\text{TOL} < -20^\circ\text{C}$)	COPd		-				
<i>Bivalent temperature</i>				<i>Operation limit temperature</i>	TOL	-10	°C				
<i>Cycling interval capacity for heating</i>				<i>Cycling interval efficiency</i>	COPcyc		-				
<i>Degradation co-efficient</i>				<i>Heating water operating limit</i>	WTOL	65	°C				
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>							
Off mode	P_{OFF}	0,007	kW	<i>Rated heat output</i>	Psup	0,0	kW				
Thermostat-off mode	P_{TO}	0,014	kW								
Standby mode	P_{SB}	0,010	kW	<i>Type of energy input</i>	Electric						
Crankcase heater mode	P_{CK}	0,000	kW								
<i>Other items</i>											
Capacity control	variable			<i>Rated air flow rate, outdoors</i>		2900	m^3/h				
Sound power level, indoors/outdoors	L_{WA}	35/55	dB	<i>Rated water flow rate, indoor heat exchanger</i>			m^3/h				
Annual energy consumption	Q_{HE}	5569	kWh	<i>Rated brine or water flow rate, outdoor heat exchanger</i>			m^3/h				
<i>For heat pump combination heater:</i>											
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	Daily fuel consumption	Q_{fuel}		kWh				
<i>Approved by:</i>											
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden									