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NIBE

NIBE S1257-13

55 °C

35 °C

A+++

A++

A+

A

B

C

D

A+++

A+++

43 dB

dB

12

12

12

kW

12

12

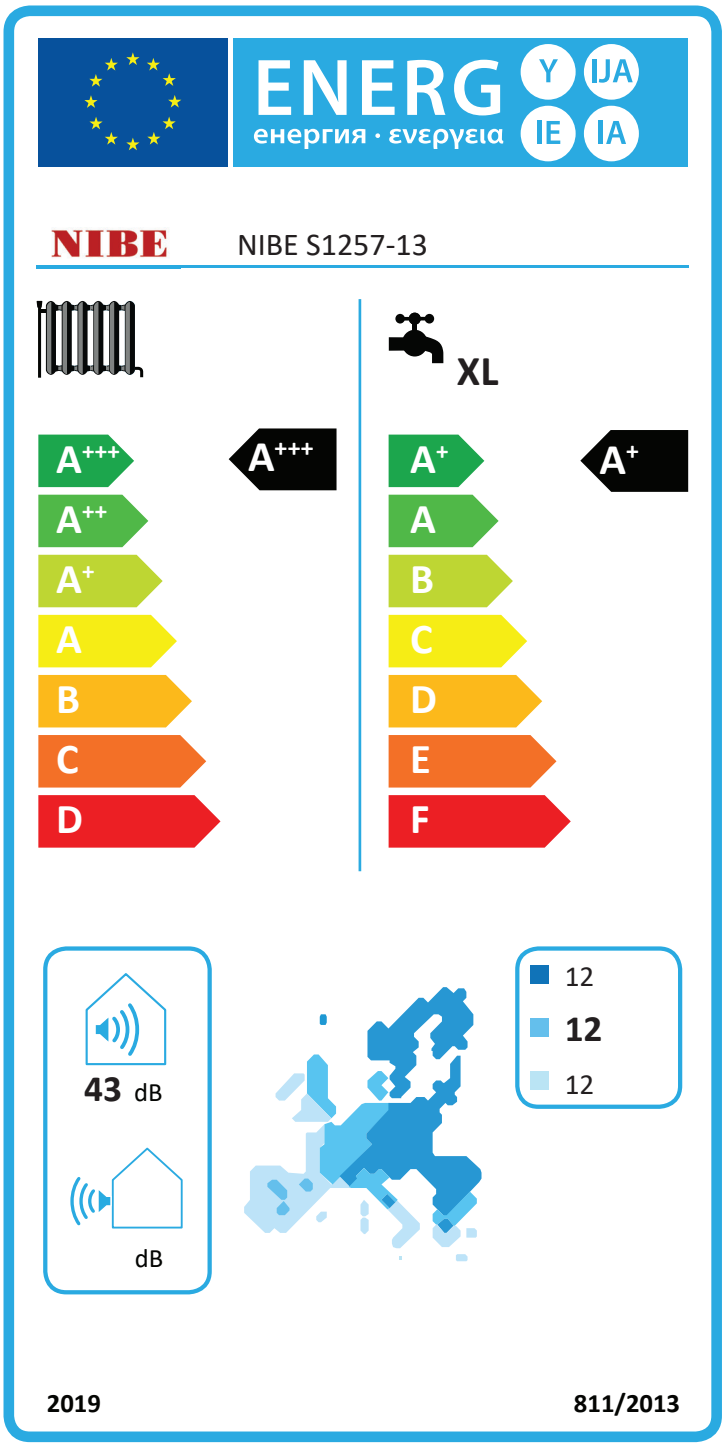
12

kW



2019

811/2013

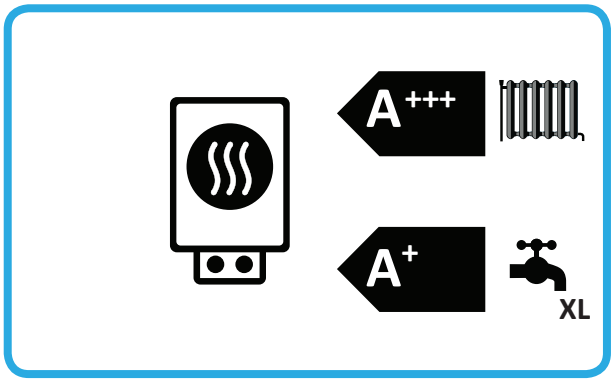

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NIBE S1257-13
XL
A+++
A++
A+
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A+++
A+
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A+
43 dB
dB
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2019
811/2013

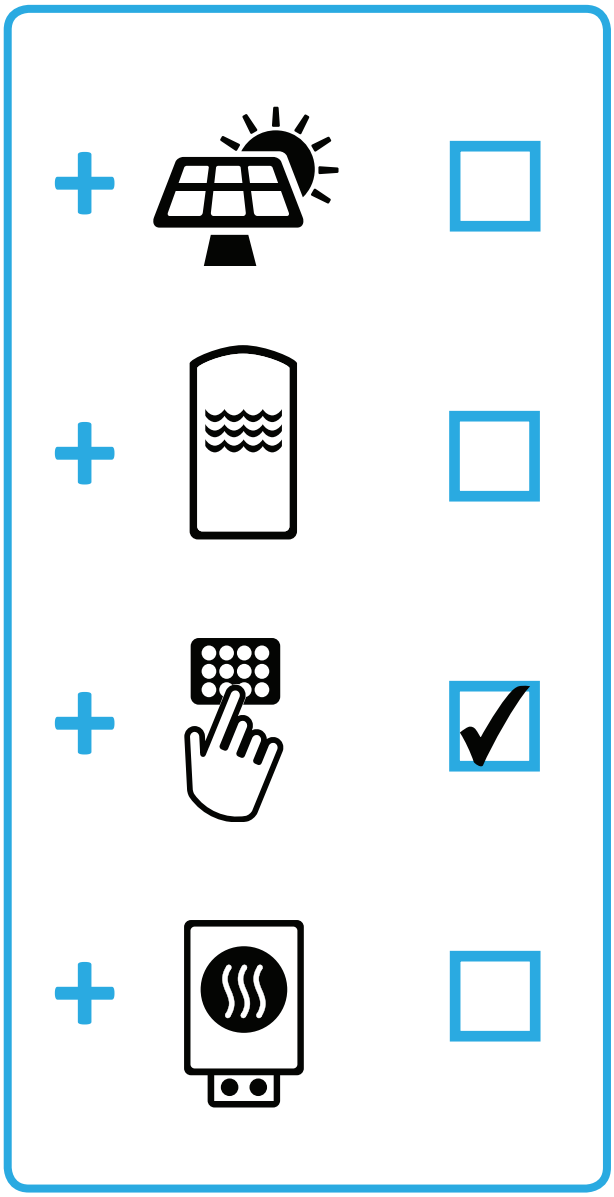
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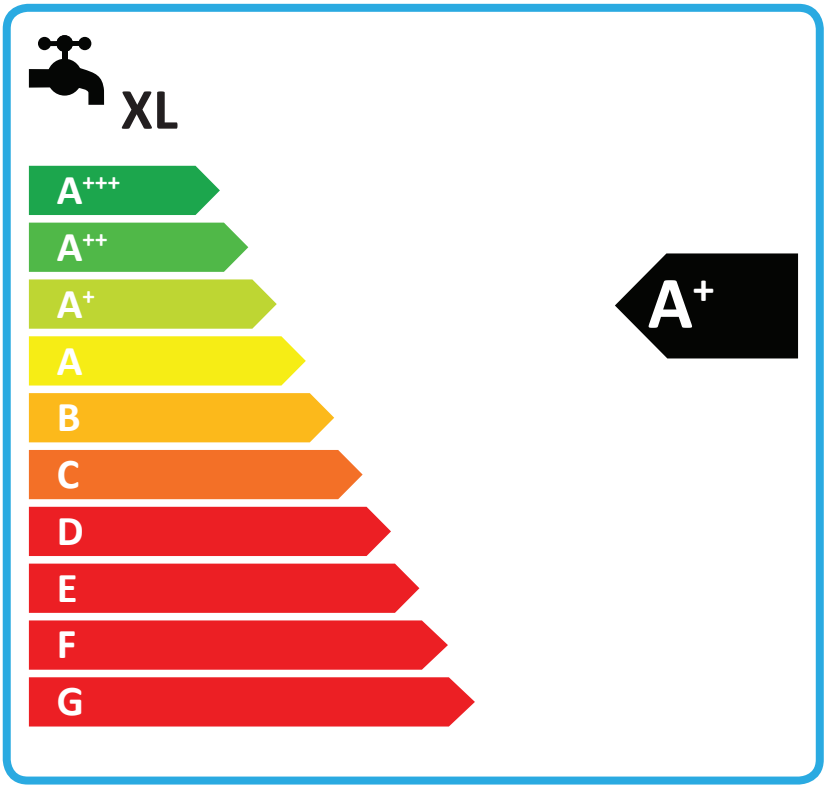
NIBE

NIBE S1257-13









2015

811/2013

Supplier's name:	NIBE AB		
Model:	NIBE S1257-13		
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:	12	12	kW
Annual energy consumption for space heating, average climate	4350	5707	kWh
Annual electricity consumption for water heating, average climate	1234		kWh
Seasonal space heating energy efficiency, average climate:	214	161	%
Water heating energy efficiency, average climate:	136		%
Sound power level LWA indoors	43		dB
Rated heat output, cold climate:	12	12	kW
Rated heat output, warm climate:	12	12	kW
Annual energy consumption for space heating, cold climate	5082	6611	kWh
Annual electricity consumption for water heating, cold climate	1234		kWh
Annual energy consumption for space heating, warm climate	2850	3691	kWh
Annual electricity consumption for water heating, warm climate	1234		kWh
Seasonal space heating energy efficiency, cold climate:	219	166	%
Water heating energy efficiency, cold climate:	136		%
Seasonal space heating energy efficiency, warm climate:	211	161	%
Water heating energy efficiency, warm climate:	136		%
Sound power level LWA outdoors			dB

Data for package fiche

Controller class	CLASS VI		
Controler contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	218	165	%
Seasonal space heating energy efficiency class for package, average climate:	**A+++**	**A+++**	%
Seasonal space heating energy efficiency of package, cold climate:	223	170	%
Seasonal space heating energy efficiency of package, warm climate:	215	165	%

Document number: DOC_0006123-0

Model(s):		**NIBE S1257-13**						
Type of heat source/sink:		Brine/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: EN 14825:2022, EN 16147:2017, EN 12102-1:2022								
Rated heat output	Prated	11,7	kW		**Seasonal space heating energy efficiency**	η_s	161	%
Declared capacity for part load at outdoor temperature Tj					*Declared coefficient of performance for part load at outdoor temperature Tj*			
Tj = -7 °C	Pdh	10,5	kW		Tj = -7 °C	COPd	3,32	
Tj = +2 °C	Pdh	6,5	kW		Tj = +2 °C	COPd	4,30	
Tj = +7 °C	Pdh	3,9	kW		Tj = +7 °C	COPd	4,82	
Tj = +12 °C	Pdh	2,5	kW		Tj = +12 °C	COPd	4,90	
Tj = biv	Pdh	11,8	kW		Tj = biv	COPd	3,04	
Tj = TOL	Pdh	11,8	kW		Tj = TOL	COPd	3,04	
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		
Bivalent temperature	T_{biv}	-10	°C		Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych		kW		Cycling interval efficiency	COPcyc		-
Degradation co-efficient	Cdh	0,98	-		Heating water operating limit	WTOL	70	°C
Power consumption in modes other than active mode					*Supplementary heater*			
Off mode	P_{OFF}	0,004	kW		Rated heat output	Psup	0,0	kW
Thermostat-off mode	P_{TO}	0,010	kW					
Standby mode	P_{SB}	0,010	kW		Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0,010	kW					
Other items								
Capacity control	Variable				Rated air flow rate, outdoors			m^3/h
Sound power level, indoors/outdoors	L_{WA}	43/-	dB		Rated water flow rate, indoor heat exchanger			m^3/h
Annual energy consumption	Q_{HE}	5707	kWh		Rated brine or water flow rate, outdoor heat exchanger		2,5	m^3/h
For heat pump combination heater:								
Declared load profile	**XL**				**Water heating energy efficiency**	η_{wh}	136	%
Daily electricity consumption	Q_{elec}	5,620	kWh		Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC	1234	kWh		Annual fuel consumption	AFC		GJ
Contact details	**© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden**							

Document number: DOC_0006123-0

Model(s):		**NIBE S1257-13**						
Type of heat source/sink:		Brine/water						
Low-temperature heat pump:		No						
Equipped with supplementary heater:		Yes						
Heat pump combination heater:		Yes						
Climate condition:		Average						
Temperature application:		Low temperature (35 °C)						
Applied standards: EN 14825:2022, EN 16147:2017, EN 12102-1:2022								
Rated heat output	Prated	11,7	kW		**Seasonal space heating energy efficiency**	η_s	214	%
Declared capacity for part load at outdoor temperature Tj					*Declared coefficient of performance for part load at outdoor temperature Tj*			
Tj = -7 °C	Pdh	10,0	kW		Tj = -7 °C	COPd	4,71	
Tj = +2 °C	Pdh	6,3	kW		Tj = +2 °C	COPd	5,71	
Tj = +7 °C	Pdh	4,1	kW		Tj = +7 °C	COPd	6,10	
Tj = +12 °C	Pdh	2,5	kW		Tj = +12 °C	COPd	5,89	
Tj = biv	Pdh	11,8	kW		Tj = biv	COPd	4,50	
Tj = TOL	Pdh	11,8	kW		Tj = TOL	COPd	4,50	
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		
Bivalent temperature	T_{biv}	-10	°C		Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych		kW		Cycling interval efficiency	COPcyc		-
Degradation co-efficient	Cdh	0,98	-		Heating water operating limit	WTOL	70	°C
Power consumption in modes other than active mode					*Supplementary heater*			
Off mode	P_{OFF}	0,004	kW		Rated heat output	Psup	0,0	kW
Thermostat-off mode	P_{TO}	0,010	kW					
Standby mode	P_{SB}	0,010	kW		Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0,010	kW					
Other items								
Capacity control	Variable				Rated air flow rate, outdoors			m^3/h
Sound power level, indoors/outdoors	L_{WA}		dB		Rated water flow rate, indoor heat exchanger			m^3/h
Annual energy consumption	Q_{HE}	4350	kWh		Rated brine or water flow rate, outdoor heat exchanger		2,8	m^3/h
For heat pump combination heater:								
Declared load profile	**XL**				**Water heating energy efficiency**	η_{wh}	136	%
Daily electricity consumption	Q_{elec}	5,620	kWh		Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC	1234	kWh		Annual fuel consumption	AFC		GJ
Contact details	**© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden**							

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