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Y IJA IE IA

NIBE NIBE S1257-9

	55 °C	35 °C
	A+++	A+++

A+++
A++
A+
A
B
C
D

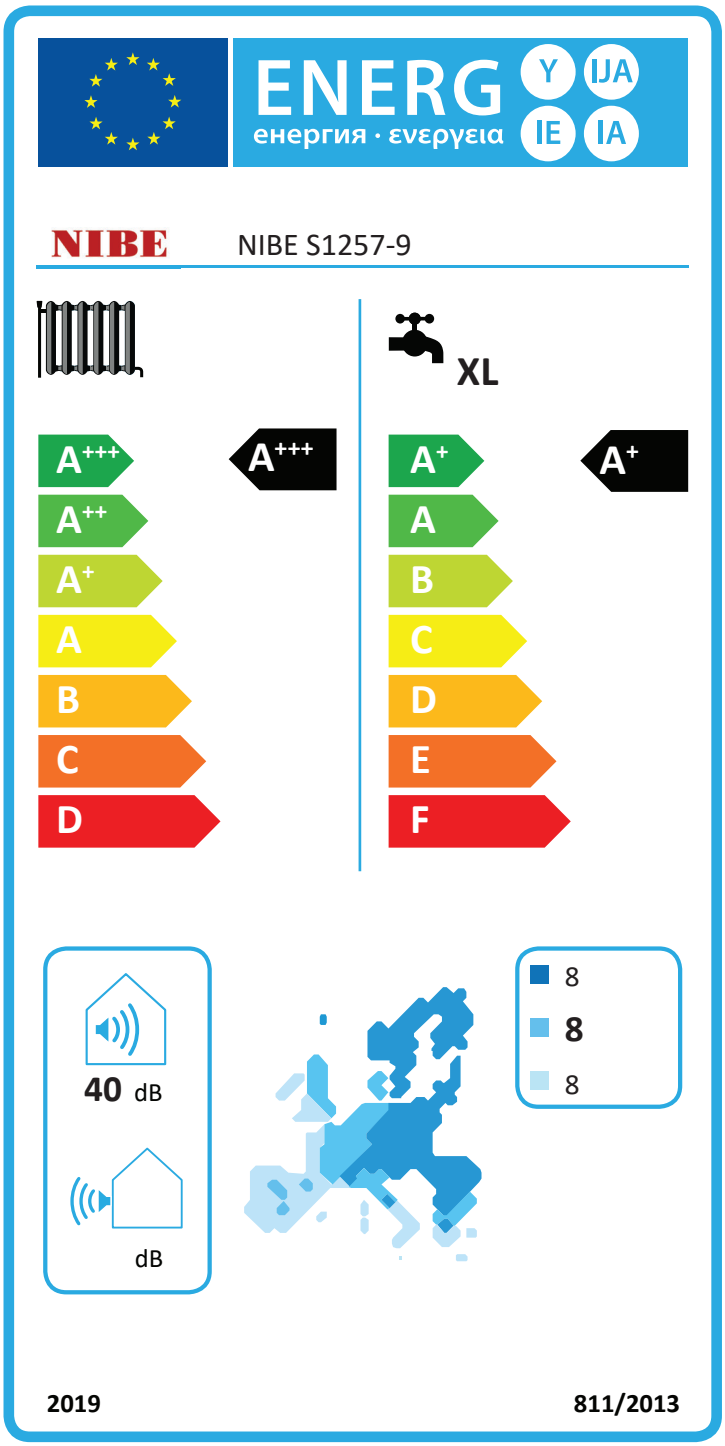
40 dB

dB

8	9	
8	**9**	
8	9	
kW	kW	



2019 811/2013

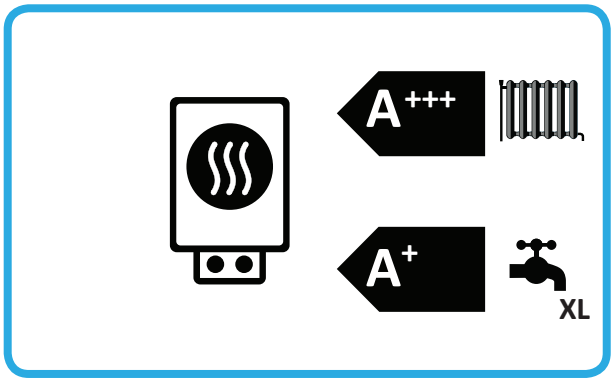

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NIBE
NIBE S1257-9
XL
A+++
A++
A+
A
B
C
D
A+++
A+
A
B
C
D
E
F
A+
40 dB
dB
8
8
8
2019
811/2013

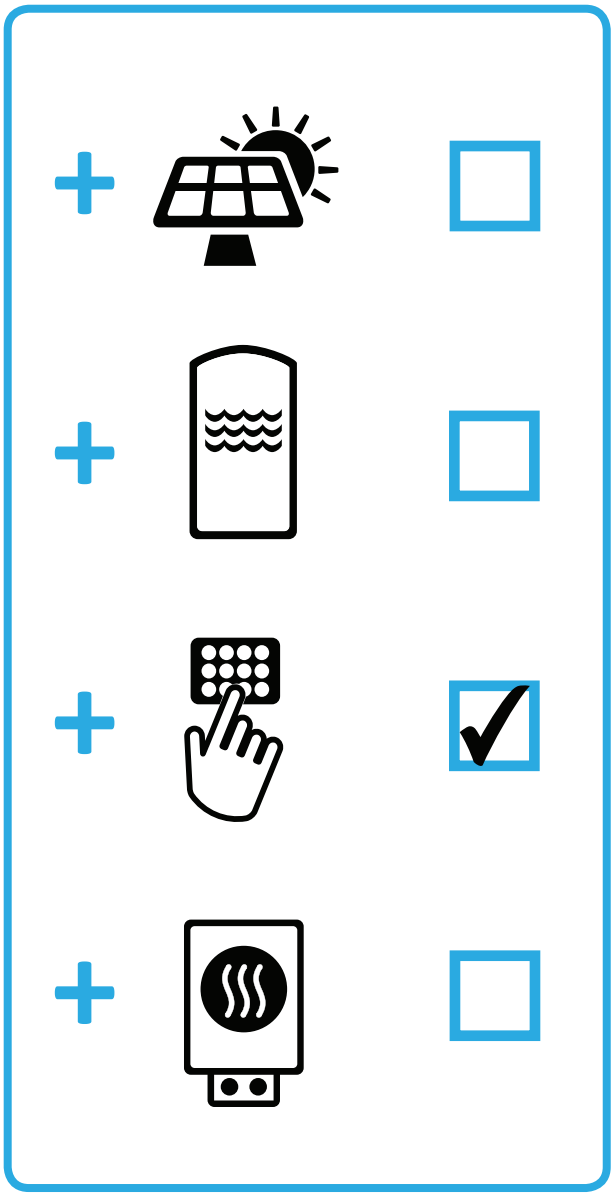
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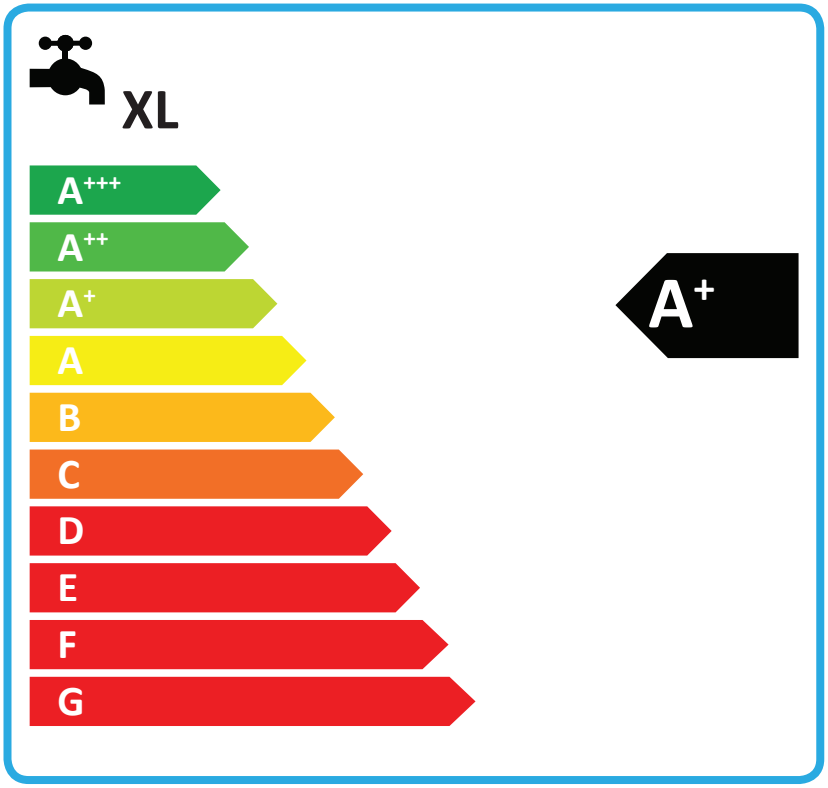
NIBE

NIBE S1257-9









2015

811/2013

Supplier's name:	NIBE AB		
Model:	NIBE S1257-9		
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:	9	8	kW
Annual energy consumption for space heating, average climate	3475	4104	kWh
Annual electricity consumption for water heating, average climate	1326		kWh
Seasonal space heating energy efficiency, average climate:	206	157	%
Water heating energy efficiency, average climate:	126		%
Sound power level LWA indoors	40		dB
Rated heat output, cold climate:	9	8	kW
Rated heat output, warm climate:	9	8	kW
Annual energy consumption for space heating, cold climate	3991	4802	kWh
Annual electricity consumption for water heating, cold climate	1326		kWh
Annual energy consumption for space heating, warm climate	2217	2712	kWh
Annual electricity consumption for water heating, warm climate	1326		kWh
Seasonal space heating energy efficiency, cold climate:	214	160	%
Water heating energy efficiency, cold climate:	126		%
Seasonal space heating energy efficiency, warm climate:	209	154	%
Water heating energy efficiency, warm climate:	126		%
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:	210	161	%
Seasonal space heating energy efficiency class for package, average climate:	**A+++**	**A+++**	%
Seasonal space heating energy efficiency of package, cold climate:	218	164	%
Seasonal space heating energy efficiency of package, warm climate:	213	158	%

Document number: DOC_0006879-0

Model(s):		**NIBE S1257-9**						
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	8,2	kW		**Seasonal space heating energy efficiency**	η_s	157	%
Declared capacity for part load at outdoor temperature Tj					*Declared coefficient of performance for part load at outdoor temperature Tj*			
Tj = -7 °C	Pdh	7,5	kW		Tj = -7 °C	COPd	3,31	
Tj = +2 °C	Pdh	4,5	kW		Tj = +2 °C	COPd	4,17	
Tj = +7 °C	Pdh	2,9	kW		Tj = +7 °C	COPd	4,64	
Tj = +12 °C	Pdh	2,5	kW		Tj = +12 °C	COPd	4,85	
Tj = biv	Pdh	8,1	kW		Tj = biv	COPd	3,09	
Tj = TOL	Pdh	8,1	kW		Tj = TOL	COPd	3,09	
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	0,95	-		temperature	WTOL	70	°C
Power consumption in modes other than active mode					*Supplementary heater*			
Off mode	P_{OFF}	0,006	kW		Rated heat output	Psup	0,0	kW
Thermostat-off mode	P_{TO}	0,026	kW					
Standby mode	P_{SB}	0,011	kW		Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0,000	kW					
Other items								
Capacity control	Variable				Rated air flow rate, outdoors			m^3/h
Sound power level, indoors/outdoors	L_{WA}	40/-	dB		Rated water flow rate, indoor heat exchanger			m^3/h
Annual energy consumption	Q_{HE}	4104	kWh		Rated brine or water flow rate, outdoor heat exchanger		1565,0	m^3/h
For heat pump combination heater:								
Declared load profile	**XL**				**Water heating energy efficiency**	η_{wh}	126	%
Daily electricity consumption	Q_{elec}	6,040	kWh		Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC	1326	kWh		Annual fuel consumption	AFC		GJ
Contact details	**© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden**							

Document number: DOC_0006879-0

Model(s):	NIBE S1257-9
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	

NIBE

Rated heat output	Prated	9,0	kW		**Seasonal space heating energy efficiency**	η_s	206	%
Declared capacity for part load at outdoor temperature Tj					*Declared coefficient of performance for part load at outdoor temperature Tj*			
Tj = -7 °C	Pdh	8,2	kW		Tj = -7 °C	COPd	4,68	
Tj = +2 °C	Pdh	4,6	kW		Tj = +2 °C	COPd	5,40	
Tj = +7 °C	Pdh	3,0	kW		Tj = +7 °C	COPd	5,83	
Tj = +12 °C	Pdh	2,5	kW		Tj = +12 °C	COPd	5,84	
Tj = biv	Pdh	8,6	kW		Tj = biv	COPd	4,53	
Tj = TOL	Pdh	8,6	kW		Tj = TOL	COPd	4,53	
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	0,94	-		temperature	WTOL	70	°C
Power consumption in modes other than active mode					*Supplementary heater*			
Off mode	P_{OFF}	0,006	kW		Rated heat output	Psup	0,0	kW
Thermostat-off mode	P_{TO}	0,026	kW					
Standby mode	P_{SB}	0,011	kW		Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0,000	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}	3475	kWh		Rated brine or water flow rate, outdoor heat exchanger		1883,0	m^3/h
For heat pump combination heater:								
Declared load profile	**XL**				**Water heating energy efficiency**	η_{wh}	126	%
Daily electricity consumption	Q_{elec}	6,040	kWh		Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC	1326	kWh		Annual fuel consumption	AFC		GJ
Contact details	**© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden**							

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