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NIBE NIBE S735-4

	55 °C	35 °C
	A++	A+++

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

42 dB

dB

	4	4
	4	**4**
	4	4
	kW	kW

2019 811/2013

ENERG
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Y IJA IE IA

NIBE NIBE S735-4

XL

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

A++

A+
A
B
C
D
E
F

A

42 dB

dB

4 kW
4 kW
4 kW

2019

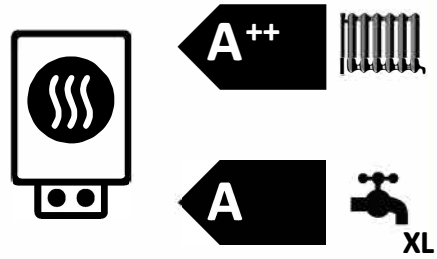
811/2013

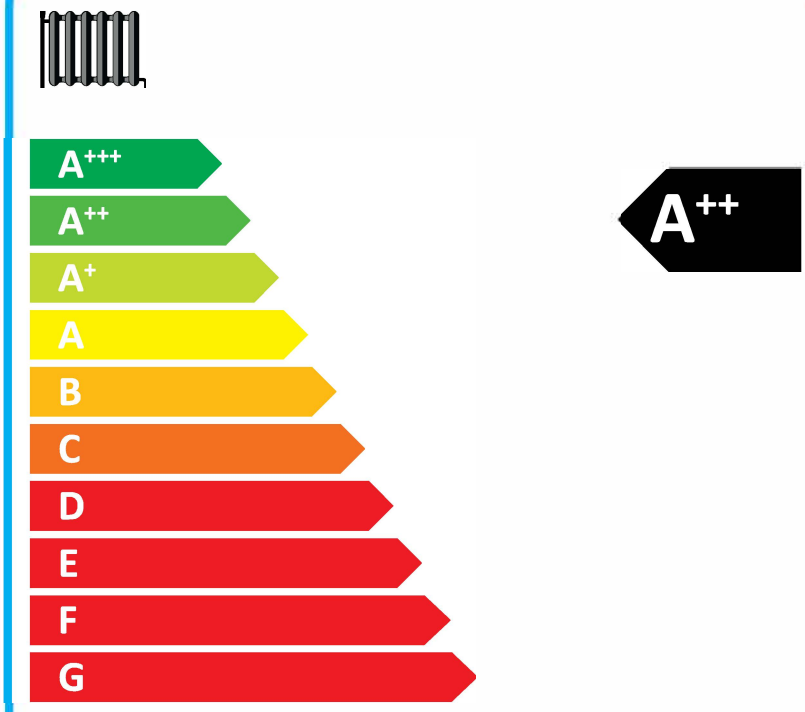
ENERG Y IJA IE IA

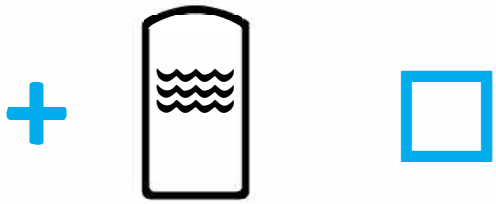
енергия · ενεργεια

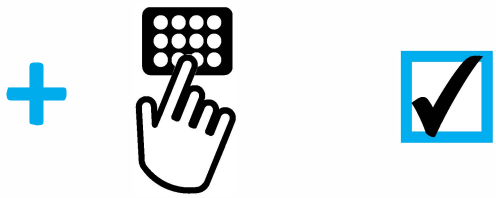
NIBE

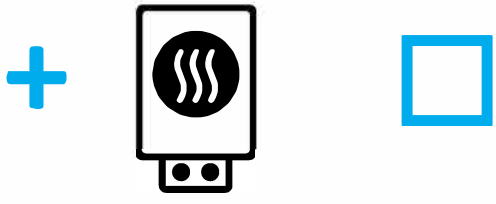
NIBE S735-4

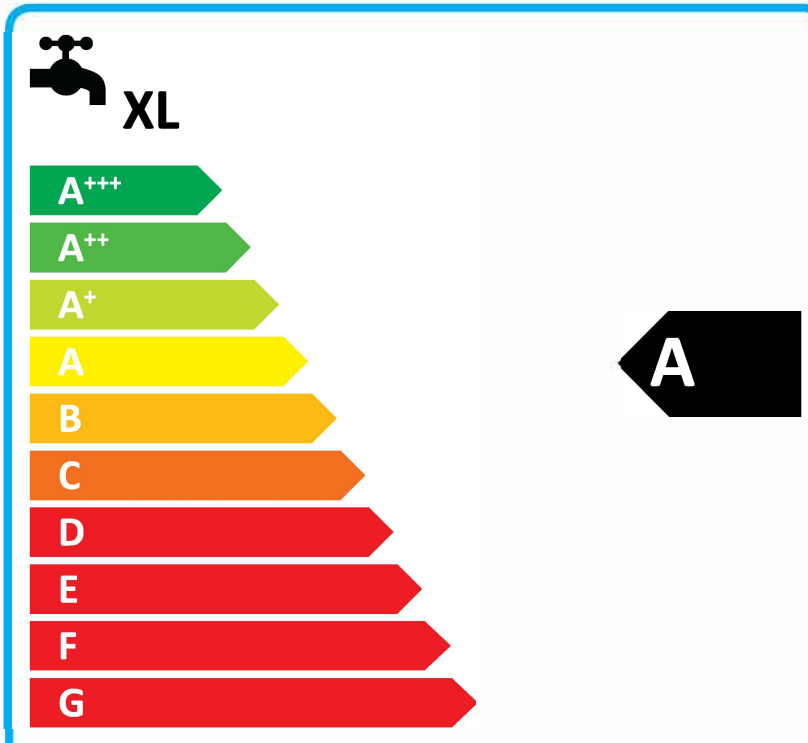












2015

811/2013

Supplier's name:	NIBE AB		
Model:	NIBE S735-4		
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:	4	4	kW
Annual energy consumption for space heating, average climate	1523	1982	kWh
Annual electricity consumption for water heating, average climate	1430		kWh
Seasonal space heating energy efficiency, average climate:	187	143	%
Water heating energy efficiency, average climate:	117		%
Sound power level LWA indoors	42		dB
Rated heat output, cold climate:	4	4	kW
Rated heat output, warm climate:	4	4	kW
Annual energy consumption for space heating, cold climate	1718	2332	kWh
Annual electricity consumption for water heating, cold climate	1430		kWh
Annual energy consumption for space heating, warm climate	1050	1370	kWh
Annual electricity consumption for water heating, warm climate	1430		kWh
Seasonal space heating energy efficiency, cold climate:	198	145	%
Water heating energy efficiency, cold climate:	117		%
Seasonal space heating energy efficiency, warm climate:	175	134	%
Water heating energy efficiency, warm climate:	117		%
Sound power level LWA outdoors			dB

Data for package fiche with SMO or VVM

Controller class	CLASS VI		
Controler contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	191	147	%
Seasonal space heating energy efficiency class for package, average climate:	**A+++**	**A++**	%
Seasonal space heating energy efficiency of package, cold climate:	202	149	%
Seasonal space heating energy efficiency of package, warm climate:	179	138	%

Model(s):		**NIBE S735-4**						
Type of heat source/sink:		Exhaust air/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 - EN16147 - EN12102-1								
Rated heat output	Prated	3,5	kW		**Seasonal space heating energy efficiency**	η_s	143	%
Declared capacity for part load at outdoor temperature Tj					*Declared coefficient of performance for part load at outdoor temperature Tj*			
Tj = -7 °C	Pdh	3,1	kW		Tj = -7 °C	COPd	2,56	
Tj = +2 °C	Pdh	1,9	kW		Tj = +2 °C	COPd	3,78	
Tj = +7 °C	Pdh	1,2	kW		Tj = +7 °C	COPd	4,70	
Tj = +12 °C	Pdh	1,1	kW		Tj = +12 °C	COPd	5,58	
Tj = biv	Pdh	3,5	kW		Tj = biv	COPd	2,23	
Tj = TOL	Pdh	3,5	kW		Tj = TOL	COPd	2,23	
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	0,92	-		Heating water operating limit	WTOL	65	°C
Power consumption in modes other than active mode					*Supplementary heater*			
Off mode	P_{OFF}	0,008	kW		Rated heat output	Psup	0,0	kW
Thermostat-off mode	P_{TO}	0,016	kW					
Standby mode	P_{SB}	0,018	kW		Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0,014	kW					
Other items								
Capacity control	Variable				Rated air flow rate, outdoors		160	m^3/h
Sound power level, indoors/outdoors	L_{WA}	42/-	dB		Rated water flow rate, indoor heat exchanger		0,32	m^3/h
Annual energy consumption	Q_{HE}	1982	kWh		Rated brine or water flow rate, outdoor heat exchanger			m^3/h
For heat pump combination heater:								
Declared load profile	**XL**				**Water heating energy efficiency**	η_{wh}	117	%
Daily electricity consumption	Q_{elec}	6,821	kWh		Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC	1430	kWh		Annual fuel consumption	AFC		GJ
Contact details	**© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden**							