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NIBE

NIBE F730



55 °C

35 °C



A++

A++



44 dB



dB

5

5

5

kW

5

5

5

kW



2019

811/2013

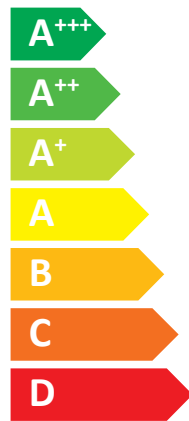


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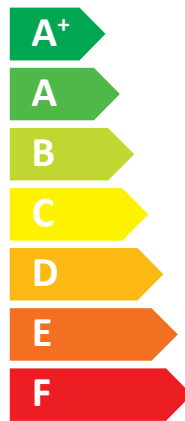
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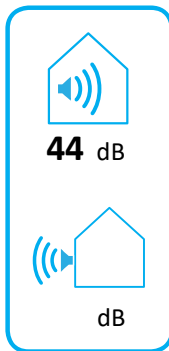
NIBE F730



A++



A



2019

811/2013



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Y

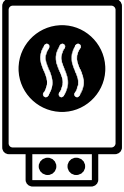




IJA

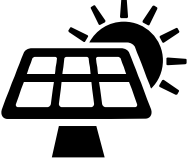
IE


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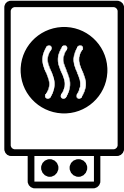
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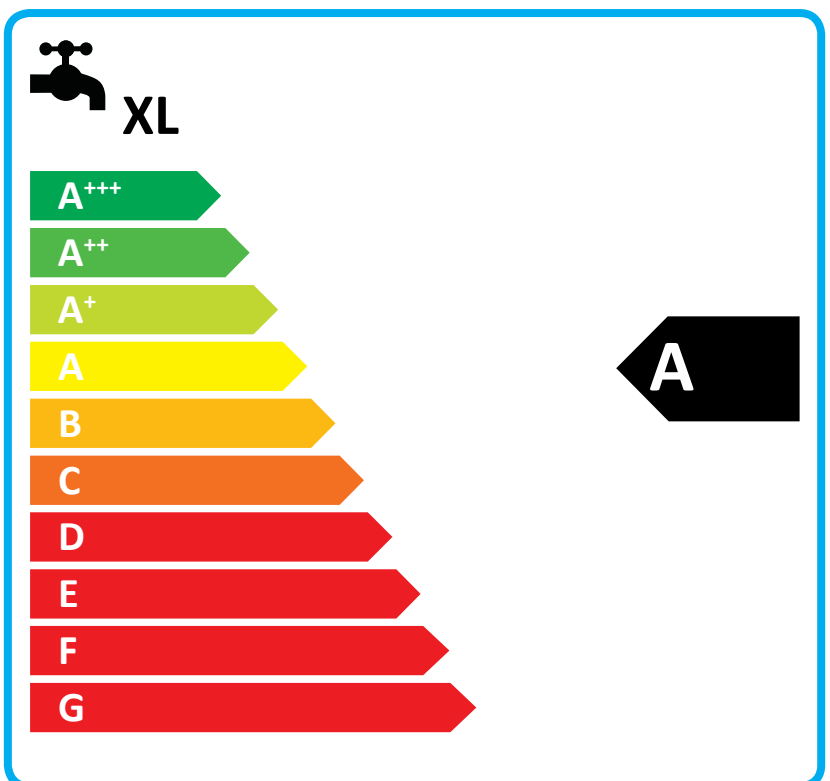
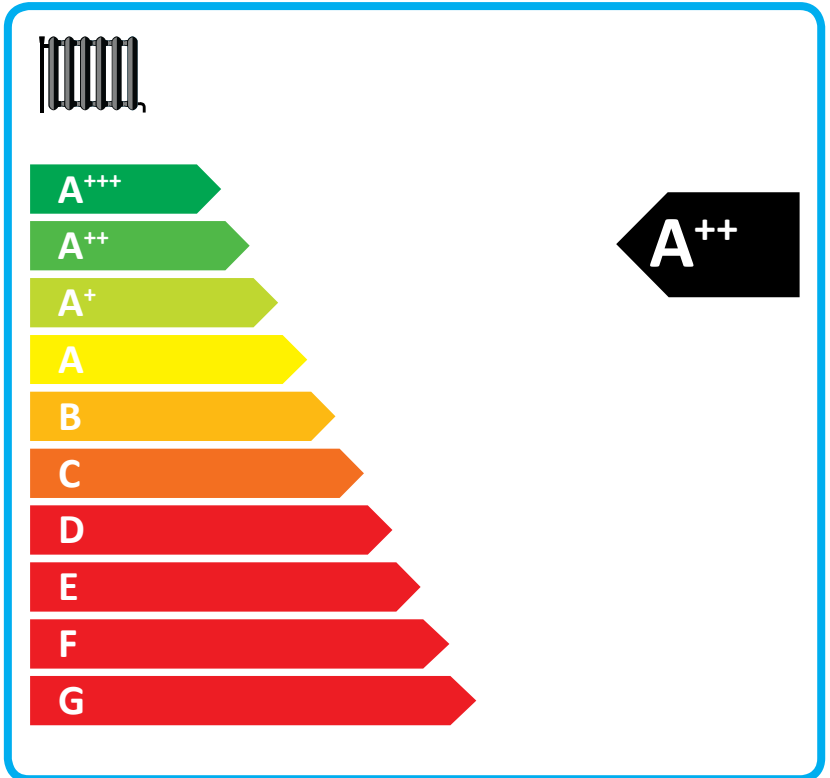






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Supplier's name:	NIBE AB		
Model:	NIBE F730		
Temperature application	35	55	°C
Declared load profile for water heating	XL		
Seasonal space heating energy efficiency class, average climate:	A+++	A+++	
Water heating energy efficiency class, average climate:	A		
Rated heat output, average climate:	4,5	4,5	kW
Annual energy consumption for space heating, average climate	2112	2681	kWh
Annual electricity consumption for water heating, average climate	1529		kWh
Seasonal space heating energy efficiency, average climate:	173	136	%
Water heating energy efficiency, average climate:	110		%
Sound power level LWA indoors	44		dB
Rated heat output, cold climate:	4,5	4,5	kW
Rated heat output, warm climate:	4,5	4,5	kW
Annual energy consumption for space heating, cold climate	2384	3106	kWh
Annual electricity consumption for water heating, cold climate	1529		kWh
Annual energy consumption for space heating, warm climate	1348	1766	kWh
Annual electricity consumption for water heating, warm climate	1529		kWh
Seasonal space heating energy efficiency, cold climate:	183	140	%
Water heating energy efficiency, cold climate:	110		%
Seasonal space heating energy efficiency, warm climate:	175	133	%
Water heating energy efficiency, warm climate:	110		%
Sound power level LWA outdoors	0		dB

Data for package fiche

Controller class	VI		
Controler contribution to efficiency	4		%
Seasonal space heating energy efficiency of package, average climate:	177	140	%
Seasonal space heating energy efficiency class for package, average climate:	A++++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	187	144	%
Seasonal space heating energy efficiency of package, warm climate:	179	137	%

Model(s):		NIBE F730							
Type of heat source/sink:		Exhaust air/water							
Low-temperature heat pump:		False							
Equipped with supplementary heater:		Yes							
Heat pump combination heater:		Yes							
Climate condition:		Average							
Temperature application:		Medium temperature (55 °C)							
Applied standards: EN14825 - EN12102-1									
Rated heat output		Prated	4,5	kW	Seasonal space heating energy efficiency		η_s	136	%
<i>Declared capacity for part load at outdoor temperature Tj</i>				<i>Declared coefficient of performance for part load at outdoor temperature Tj</i>					
Tj = -7 °C	Pdh	4,0	kW	Tj = -7 °C	COPd	2,29			
Tj = +2 °C	Pdh	2,5	kW	Tj = +2 °C	COPd	3,53			
Tj = +7 °C	Pdh	1,6	kW	Tj = +7 °C	COPd	4,36			
Tj = +12 °C	Pdh	1,7	kW	Tj = +12 °C	COPd	4,60			
Tj = biv	Pdh	4,0	kW	Tj = biv	COPd	2,29			
Tj = TOL	Pdh	3,6	kW	Tj = TOL	COPd	2,34			
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd				
Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature		TOL	-10	°C	
Cycling interval capacity for heating	P _{cyh}		kW	Cycling interval efficiency		COP _{cyh}		-	
Degradation co-efficient	Cdh	0,94	-	Heating water operating limit		WTOL	60	°C	
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>					
Off mode	P _{OFF}	0,003	kW	Rated heat output		P _{sup}	0,9	kW	
Thermostat-off mode	P _{TO}	0,023	kW						
Standby mode	P _{SB}	0,01	kW	Type of energy input		Electric			
Crankcase heater mode	P _{CK}	0	kW						
<i>Other items</i>									
Capacity control	Variable			Rated air flow rate, outdoors			180,00	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	44/-	dB	Rated water flow rate, indoor heat exchanger				m ³ /h	
Annual energy consumption	Q _{HE}	2681	kWh	Rated brine or water flow rate, outdoor heat exchanger				m ³ /h	
<i>For heat pump combination heater:</i>									
Declared load profile		XL		Water heating energy efficiency		η_{wh}	110	%	
Daily electricity consumption	Q _{elec}	7,25	kWh	Daily fuel consumption		Q _{fuel}		kWh	
Annual electricity consumption	AEC	1529	kWh	Annual fuel consumption		AFC		GJ	
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadvägen 5 - 28521 Markaryd - Sweden							