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NIBE

NIBE F750



55 °C

35 °C



A++

A++



44 dB



dB

5

5

5

kW

5

5

5

kW



2019

811/2013

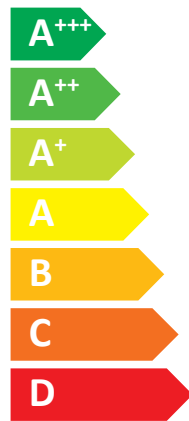
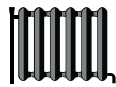


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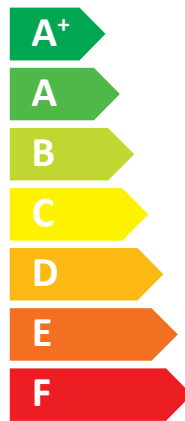


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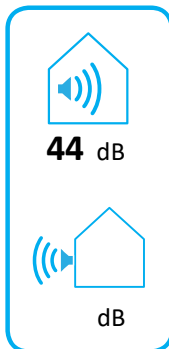
NIBE F750



A++



A



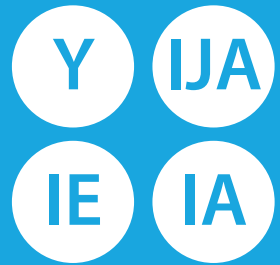
2019

811/2013

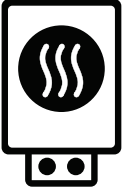






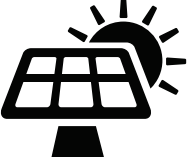
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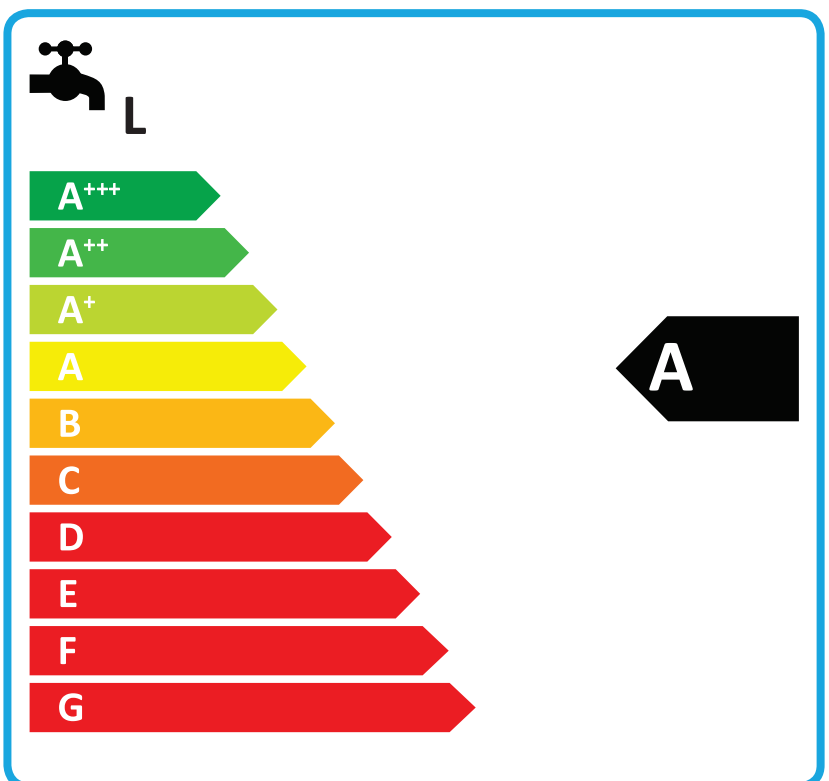
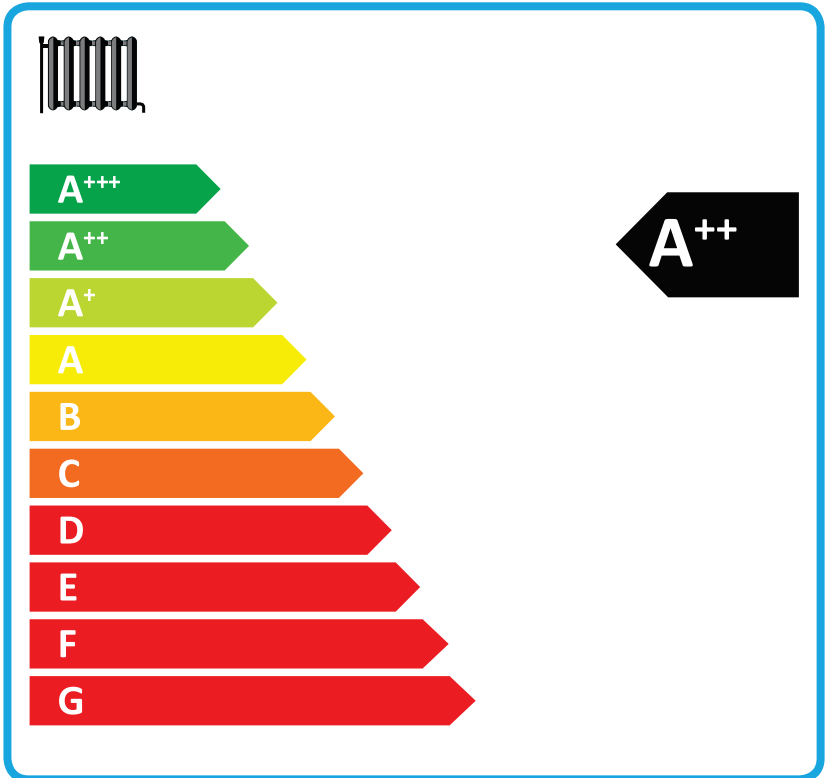






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Supplier's name:	NIBE AB		
Model:	NIBE F750		
Temperature application	35	55	°C
Declared load profile for water heating	L		
Seasonal space heating energy efficiency class, average climate:	A+++	A+++	
Water heating energy efficiency class, average climate:	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	1122		kWh
Seasonal space heating energy efficiency, average climate:	173	136	%
Water heating energy efficiency, average climate:	91		%
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	1122		kWh
Annual energy consumption for space heating, warm climate	1348	1766	kWh
Annual electricity consumption for water heating, warm climate	1122		kWh
Seasonal space heating energy efficiency, cold climate:	183	140	%
Water heating energy efficiency, cold climate:	91		%
Seasonal space heating energy efficiency, warm climate:	175	133	%
Water heating energy efficiency, warm climate:	91		%
Sound power level LWA outdoors			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 F750										
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	Type of energy input		Electric						
Standby mode	P _{SB}	0,01	kW									
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		L		Water heating energy efficiency		η_{wh}	91	%				
Daily electricity consumption	Q _{elec}	5,11	kWh	Daily fuel consumption		Q _{fuel}		kWh				
Annual electricity consumption	AEC	1122	kWh	Annual fuel consumption		AFC		GJ				
Approved by:												
Contact details		© NIBE Energy Systems - Box 14 - Hannabadvägen 5 - 28521 Markaryd - Sweden										