



**ENERG**  
енергия · ενεργεια



**NIBE**

NIBE F750



55 °C

35 °C



**A++**

**A++**



**44** dB



dB



kW



kW



2015

811/2013



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Y IJA  
IE IA

**NIBE**

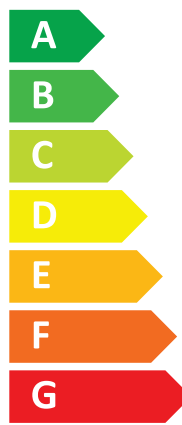
NIBE F750



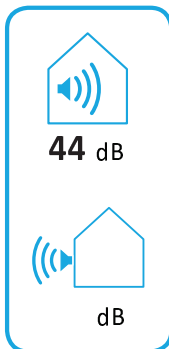
55°C



**A++**



**A**



2015

811/2013



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Y

IJA

IE

IA

**NIBE**

## NIBE F750

 35 °C



**A<sup>++</sup>**

**A<sup>+++</sup>**

**A<sup>+++</sup>**

**A<sup>++</sup>**

**A<sup>+</sup>**

**A**

**B**

**C**

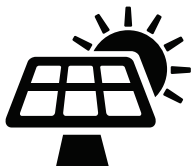
**D**

**E**

**F**

**G**

+



+



+



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# ENERG

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Y

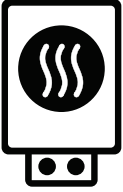




IJA

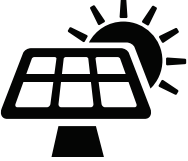
IE


IA


**NIBE**


## NIBE F750

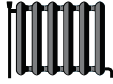






+ 






+ 

+ 

+ 



55 °C








## Product fiche

Supplier's name:	<b>NIBE</b>		
Model:	<b>NIBE F750</b>		
Temperature application	<b>35</b>	<b>55</b>	°C
Declared load profile for water heating	<b>L</b>		
Seasonal space heating energy efficiency class, average climate:	<b>A++</b>	<b>A++</b>	
Water heating energy efficiency class, average climate:	<b>A</b>		
Rated heat output, average climate:	5	5	kW
Annual energy consumption for space heating, average climate	2066	2793	kWh
Annual electricity consumption for water heating, average climate	1123		kWh
Seasonal space heating energy efficiency, average climate:	177	130	%
Water heating energy efficiency, average climate:	91		%
Sound power level LWA indoors	44		dB
Rated heat output, cold climate:	5	5	kW
Rated heat output, warm climate:	5	5	kW
Annual energy consumption for space heating, cold climate	2361	3143	kWh
Annual electricity consumption for water heating, cold climate	1123		kWh
Annual energy consumption for space heating, warm climate	1370	1804	kWh
Annual electricity consumption for water heating, warm climate	1123		kWh
Seasonal space heating energy efficiency, cold climate:	185	138	%
Water heating energy efficiency, cold climate:	91		%
Seasonal space heating energy efficiency, warm climate:	172	130	%
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:	181	134	%
Seasonal space heating energy efficiency class for package, average climate:	<b>A+++</b>	<b>A++</b>	%
Seasonal space heating energy efficiency of package, cold climate:	189	142	%
Seasonal space heating energy efficiency of package, warm climate:	176	134	%

<b>Model(s):</b>		<b>NIBE F750</b>					
Type of heat source/sink:		Exhaust air-to-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 and EN16147							
<b>Rated heat output</b>	Prated	4,5	kW	<b>Seasonal space heating energy efficiency</b>	$\eta_s$	130	%
<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	3,4	kW	Tj = -7 °C	COPd	2,5	kW
Tj = +2 °C	Pdh	2,6	kW	Tj = +2 °C	COPd	3,3	kW
Tj = +7 °C	Pdh	1,7	kW	Tj = +7 °C	COPd	4,3	kW
Tj = +12 °C	Pdh	1,7	kW	Tj = +12 °C	COPd	4,3	kW
Tj = biv	Pdh	3,3	kW	Tj = biv	COPd	2,8	kW
Tj = TOL	Pdh	3,0	kW	Tj = TOL	COPd	2,4	kW
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW
Bivalent temperature	T <sub>biv</sub>	-3	°C	Operation limit temperature	TOL	-10	°C
Cycling interval capacity for	P <sub>ych</sub>		kW	Cycling interval efficiency	COP <sub>cyc</sub>		-
Degradation co-efficient	C <sub>dh</sub>	0,97	-	Heating water operating limit temperature	WTOL	60	°C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>			
Off mode	P <sub>OFF</sub>	0,003	kW	Rated heat output	P <sub>sup</sub>	1,5	kW
Thermostat-off mode	P <sub>TO</sub>	0,02	kW	Type of energy input: Electric			
Standby mode	P <sub>SB</sub>	0,02	kW				
Crankcase heater mode	P <sub>CK</sub>	0,00	kW				
<i>Other items</i>							
Capacity control	variable			Rated air flow rate, outdoors		180	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	44/-	dB	Rated brine or water flow rate, outdoor heat exchanger			m <sup>3</sup> /h
Annual energy consumption	Q <sub>HE</sub>	2793	kWh				
<i>For heat pump combination heater:</i>							
<b>Declared load profile</b>	<b>L</b>			<b>Water heating energy efficiency</b>	$\eta_{wh}$	91	%
Daily electricity consumption	Q <sub>elec</sub>	5,11	kWh	Daily fuel consumption	Q <sub>fuel</sub>		kWh
Annual electricity consumption	AEC	1123	kWh	Annual fuel consumption	AFC		GJ
<b>Approved by:</b>							
<b>Contact details</b>	© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden						