

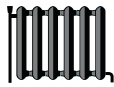


ENERG
енергия · ενεργεια



NIBE

NIBE F730



55 °C

35 °C



A++

A++



44 dB



dB



kW



kW



2015

811/2013

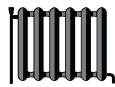


ENERG
енергия · ενέργεια

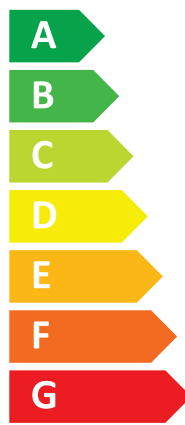
Y IJA
IE IA

NIBE

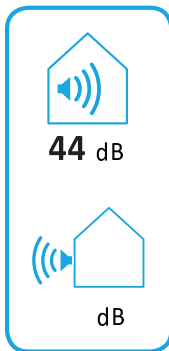
NIBE F730



A++



A



2015

811/2013



ENERG

енергия · ενέργεια

Y

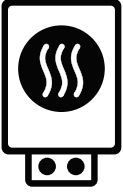




IJA

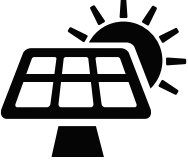
IE


IA


NIBE


NIBE F730

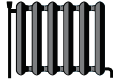











+ 

+ 

+ 

+ 









Product fiche

Supplier's name:	NIBE		
Model:	NIBE F730		
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	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:	4,5	4,5	kW
Rated heat output, warm climate:	4,5	4,5	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:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	189	142	%
Seasonal space heating energy efficiency of package, warm climate:	176	134	%

Model(s):		NIBE F730							
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									
Rated heat output		Prated	4,5	kW	Seasonal space heating energy efficiency		η_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	-		
Tj = +2 °C	Pdh	2,6	kW	Tj = +2 °C	COPd	3,3	-		
Tj = +7 °C	Pdh	1,7	kW	Tj = +7 °C	COPd	4,3	-		
Tj = +12 °C	Pdh	1,7	kW	Tj = +12 °C	COPd	4,3	-		
Tj = biv	Pdh	3,3	kW	Tj = biv	COPd	2,8	-		
Tj = TOL	Pdh	3,0	kW	Tj = TOL	COPd	2,4	-		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-		
Bivalent temperature				T _{biv}	-3	°C	Operation limit temperature		
Cycling interval capacity for				P _{ych}		kW	Cycling interval efficiency		
Degradation co-efficient				C _{dh}	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 _{OFF}	0,003	kW	Rated heat output		P _{sup}	1,5	kW	
Thermostat-off mode	P _{TO}	0,02	kW						
Standby mode	P _{SB}	0,02	kW	Type of energy input		Electric			
Crankcase heater mode	P _{CK}	0,00	kW						
<i>Other items</i>									
Capacity control	variable			Rated air flow rate, outdoors			180	m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	44/-	dB	Rated brine or water flow rate, outdoor heat exchanger				m ³ /h	
Annual energy consumption	Q _{HE}	2793	kWh						
<i>For heat pump combination heater:</i>									
Declared load profile		L		Water heating energy efficiency		η_{wh}	91	%	
				Daily fuel consumption		Q _{fuel}		kWh	
Daily electricity consumption	Q _{elec}	5,11	kWh	Annual fuel consumption		AFC		GJ	
Annual electricity consumption	AEC	1123	kWh						
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							