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Y IJA
IE IA

NIBE

NIBE F2030-7



55 °C

35 °C



A++

A++



dB



58 dB

■ 7
■ 7
■ 9

kW

■ 6
■ 7
■ 9

kW



2015

811/2013

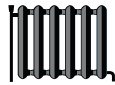


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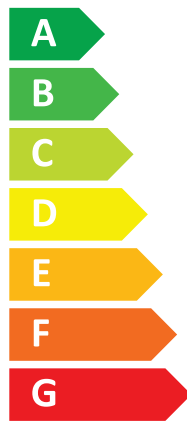
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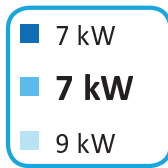
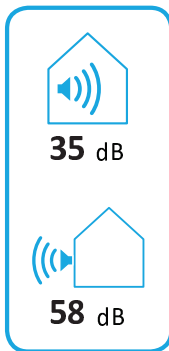
NIBE F2030-7 + VVM310



A++



A



2015

811/2013



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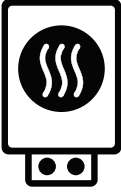




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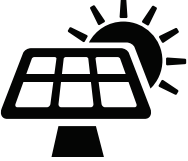
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NIBE


NIBE F2030-7 + VVM310

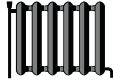











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Supplier's name:	NIBE		
Model:	NIBE F2030-7+ VVM 310		
Temperature application	35	55	°C
Declared load profile for water heating	XL		
Seasonal space heating energy efficiency class, average climate:	A++	A++	
Water heating energy efficiency class, average climate:	A		
Rated heat output, average climate:	6,6	7,0	kW
Annual energy consumption for space heating, average climate	3431	4327	kWh
Annual electricity consumption for water heating, average climate	1667		kWh
Seasonal space heating energy efficiency, average climate:	156	131	%
Water heating energy efficiency, average climate:	100		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	5,5	6,5	kW
Rated heat output, warm climate:	8,5	8,8	kW
Annual energy consumption for space heating, cold climate	3745	5121	kWh
Annual electricity consumption for water heating, cold climate	1918		kWh
Annual energy consumption for space heating, warm climate	2501	2976	kWh
Annual electricity consumption for water heating, warm climate	1572		kWh
Seasonal space heating energy efficiency, cold climate:	142	122	%
Water heating energy efficiency, cold climate:	87		%
Seasonal space heating energy efficiency, warm climate:	179	155	%
Water heating energy efficiency, warm climate:	107		%
Sound power level LWA outdoors	58		dB

Data for package fiche

Controller class	VII		
Controller contribution to efficiency	3,5		%
Seasonal space heating energy efficiency of package, average climate:	159	134	%
Seasonal space heating energy efficiency class for package, average climate:	A++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	145	126	%
Seasonal space heating energy efficiency of package, warm climate:	182	159	%

Model(s):		NIBE F2030-7+ VVM 310										
Type of heat source/sink:		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	7,0	kW	Seasonal space heating energy efficiency		η_s	131	%			
<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	5,1	kW	Tj = -7 °C	COPd	2,5	-					
Tj = +2 °C	Pdh	5,9	kW	Tj = +2 °C	COPd	3,45	-					
Tj = +7 °C	Pdh	7,3	kW	Tj = +7 °C	COPd	4,38	-					
Tj = +12 °C	Pdh	7,8	kW	Tj = +12 °C	COPd	4,66	-					
Tj = biv	Pdh	5,3	kW	Tj = biv	COPd	2,78	-					
Tj = TOL	Pdh	4,9	kW	Tj = TOL	COPd	2,30	-					
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-					
Bivalent temperature				T _{biv}	-4	°C	Operation limit temperature			TOL	-10	°C
Cycling interval capacity for heating				P _{cyc}		kW	Cycling interval efficiency			COP _{cyc}		-
Degradation co-efficient				C _{dh}	0,98	-	Heating water operating limit			WTOL	65	°C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>								
Off mode	P _{OFF}	0,002	kW	Rated heat output		P _{sup}	2,1	kW				
Thermostat-off mode	P _{TO}	0,01	kW									
Standby mode	P _{SB}	0,015	kW	Type of energy input		Electric						
Crankcase heater mode	P _{CK}	0,031	kW									
<i>Other items</i>												
Capacity control				fixed								
Sound power level, indoors/outdoors				L _{WA}	35/58	dB	Rated air flow rate, outdoors			3000	m ³ /h	
Annual energy consumption				Q _{HE}	4313	kWh	Rated water flow rate, indoor heat exchanger			0,82	m ³ /h	
							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}	100	%
Daily electricity consumption				Q _{elec}	7,59	kWh	Daily fuel consumption		Q _{fuel}		kWh	
Annual electricity consumption				AEC	1667	kWh	Annual fuel consumption		AFC		GJ	
Approved by:												
Contact details				© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								