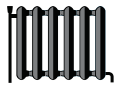




ENERG Y IJA
 енергия · ενεργεια IE IA

NIBE

NIBE F2030-9



55 °C

35 °C



A++

A++



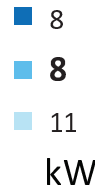
dB



58 dB



kW



kW



2015

811/2013



ENERG
енергия · ενέργεια

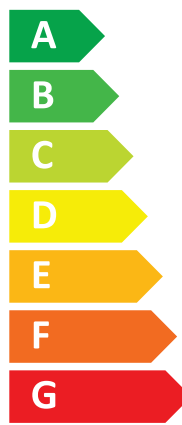


NIBE

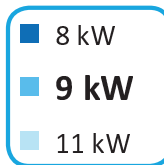
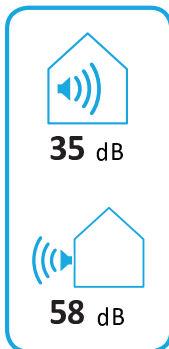
NIBE F2030-9 + VVM310



A++



A



2015

811/2013



ENERG

енергия · ενέργεια

Y

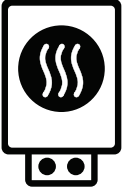




IJA

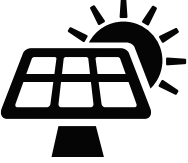
IE


IA


NIBE


NIBE F2030-9 + VVM310

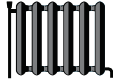











+ 

+ 

+ 


+ 

Supplier's name:	NIBE		
Model:	NIBE F2030-9+ 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:	8,3	8,9	kW
Annual energy consumption for space heating, average climate	4431	5508	kWh
Annual electricity consumption for water heating, average climate	1662		kWh
Seasonal space heating energy efficiency, average climate:	152	131	%
Water heating energy efficiency, average climate:	101		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	8,0	8,2	kW
Rated heat output, warm climate:	11	11,4	kW
Annual energy consumption for space heating, cold climate	5458	6555	kWh
Annual electricity consumption for water heating, cold climate	1902		kWh
Annual energy consumption for space heating, warm climate	3317	3920	kWh
Annual electricity consumption for water heating, warm climate	1577		kWh
Seasonal space heating energy efficiency, cold climate:	142	120	%
Water heating energy efficiency, cold climate:	88		%
Seasonal space heating energy efficiency, warm climate:	174	152	%
Water heating energy efficiency, warm climate:	106		%
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:	155	134	%
Seasonal space heating energy efficiency class for package, average climate:	A++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	145	124	%
Seasonal space heating energy efficiency of package, warm climate:	178	156	%

Model(s):				NIBE F2030-9+ 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	8,9	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	7,0	kW		Tj = -7 °C	COPd	2,6	-				
Tj = +2 °C	Pdh	7,9	kW		Tj = +2 °C	COPd	3,35	-				
Tj = +7 °C	Pdh	8,4	kW		Tj = +7 °C	COPd	4,18	-				
Tj = +12 °C	Pdh	10,8	kW		Tj = +12 °C	COPd	4,57	-				
Tj = biv	Pdh	7,2	kW		Tj = biv	COPd	2,74	-				
Tj = TOL	Pdh	6,6	kW		Tj = TOL	COPd	2,36	-				
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		-				
Bivalent temperature				T _{biv}	-5,1	°C		Operation limit temperature				
Cycling interval capacity for heating				P _{cyc}		kW		Cycling interval efficiency				
Degradation co-efficient				Cdh	0,99	-		Heating water operating limit				
								TOL	-10	°C		
								COP _{cyc}		-		
								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}	2,3	kW	
Thermostat-off mode	P _{TO}	0,012	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			Rated air flow rate, outdoors					3000	m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	35/58	dB		Rated water flow rate, indoor heat exchanger					1,11	m ³ /h	
Annual energy consumption	Q _{HE}	5508	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}				
								101				
								%				
Daily electricity consumption	Q _{elec}	7,57	kWh		Daily fuel consumption				Q _{fuel}		kWh	
Annual electricity consumption	AEC	1662	kWh		Annual fuel consumption				AFC		GJ	
Approved by:												
Contact details				© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								