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IE IA

NIBE

NIBE F2040-8



55 °C

35 °C



A++

A++



dB



54 dB

■ 10

■ 7

■ 8

kW

■ 9

■ 8

■ 8

kW



2015

811/2013

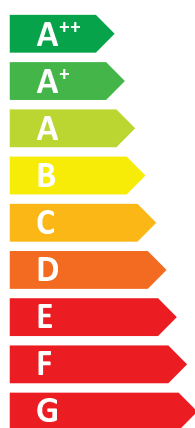


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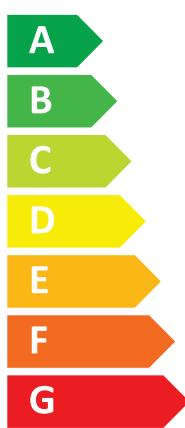
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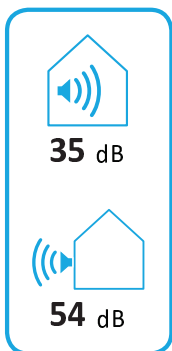
NIBE F2040-8 + VVM320



A++



A



2015

811/2013



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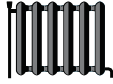


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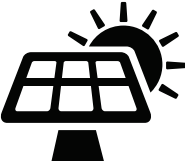
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IA


NIBE


NIBE F2040-8 + VVM320













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Supplier's name:	NIBE		
Model:	NIBE F2040-8+ VVM 320		
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:	8,2	7,0	kW
Annual energy consumption for space heating, average climate	3882	4447	kWh
Annual electricity consumption for water heating, average climate	1689		kWh
Seasonal space heating energy efficiency, average climate:	172	127	%
Water heating energy efficiency, average climate:	99		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	9,0	10,0	kW
Rated heat output, warm climate:	8,0	8,0	kW
Annual energy consumption for space heating, cold climate	6264	8844	kWh
Annual electricity consumption for water heating, cold climate	1886		kWh
Annual energy consumption for space heating, warm climate	1879	2333	kWh
Annual electricity consumption for water heating, warm climate	1540		kWh
Seasonal space heating energy efficiency, cold climate:	139	108	%
Water heating energy efficiency, cold climate:	89		%
Seasonal space heating energy efficiency, warm climate:	225	180	%
Water heating energy efficiency, warm climate:	109		%
Sound power level LWA outdoors	54		dB

Data for package fiche

Controller class	VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	176	131	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	143	112	%
Seasonal space heating energy efficiency of package, warm climate:	229	184	%

Model(s):		NIBE F2040-8+ VVM 320													
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	127	%						
<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	6,3	kW	Tj = -7 °C	COPd	1,94	-								
Tj = +2 °C	Pdh	3,9	kW	Tj = +2 °C	COPd	3,11	-								
Tj = +7 °C	Pdh	2,6	kW	Tj = +7 °C	COPd	4,42	-								
Tj = +12 °C	Pdh	3,7	kW	Tj = +12 °C	COPd	5,93	-								
Tj = biv	Pdh	6,6	kW	Tj = biv	COPd	1,83	-								
Tj = TOL	Pdh	5,9	kW	Tj = TOL	COPd	1,86	-								
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-								
Bivalent temperature				T _{biv}	-8,6	°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}	0,97	-	Heating water operating limit			WTOL	58	°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}	1,1	kW							
Thermostat-off mode	P _{TO}	0,01	kW	Type of energy input		Electric									
Standby mode	P _{SB}	0,015	kW	Rated air flow rate, outdoors			3000	m ³ /h							
Crankcase heater mode	P _{CK}	0,03	kW	Rated water flow rate, indoor heat exchanger			0,60	m ³ /h							
<i>Other items</i>				Rated brine or water flow rate, outdoor heat exchanger				m ³ /h							
Capacity control	variable			For heat pump combination heater:											
Sound power level, indoors/outdoors	L _{WA}	35/54	dB	Declared load profile		XL		Water heating energy efficiency				η_{wh}	99	%	
Annual energy consumption	Q _{HE}	4447	kWh	Daily electricity consumption		Q _{elec}	7,69	kWh	Daily fuel consumption		Q _{fuel}		kWh		
				Annual electricity consumption		AEC	1689	kWh	Annual fuel consumption		AFC		GJ		
Approved by:															
Contact details				© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden											