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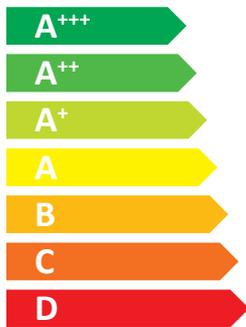
NIBE

NIBE F2040-6



55 °C

35 °C



A++

A+++



dB



50 dB



2019

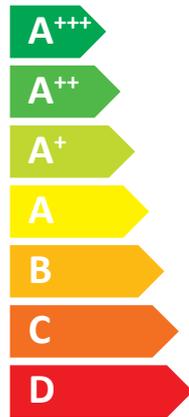
811/2013



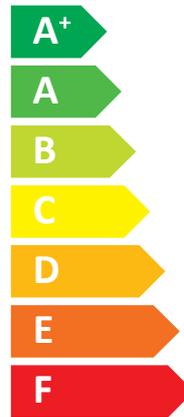
ENERG Y IJA
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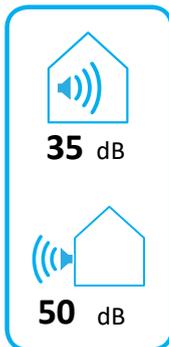
NIBE F2040-6 + VVM S320



A++



A



2019

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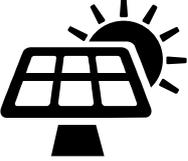
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NIBE F2040-6 + VVM S320





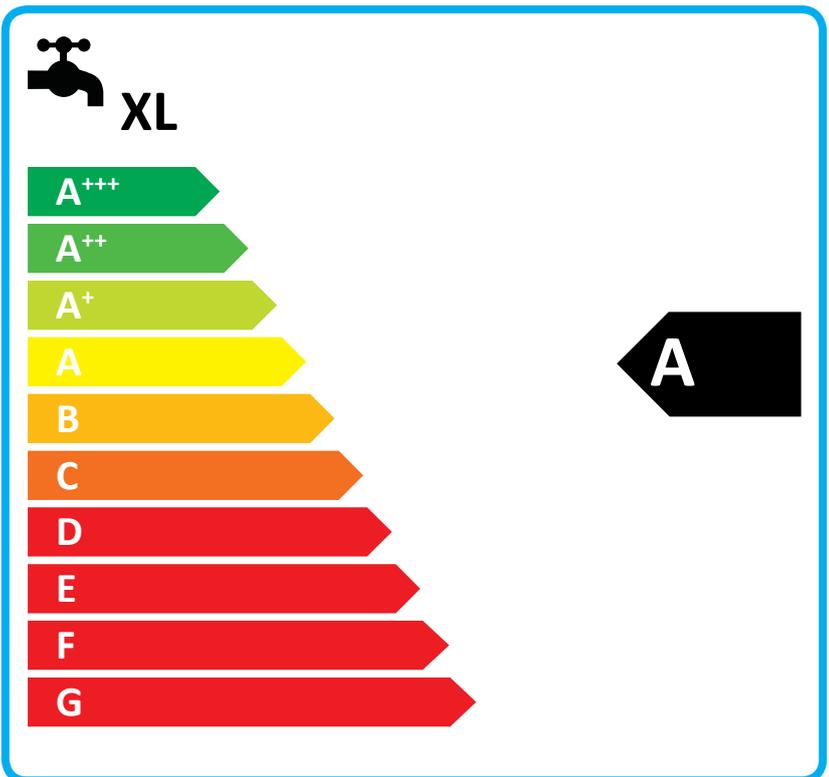
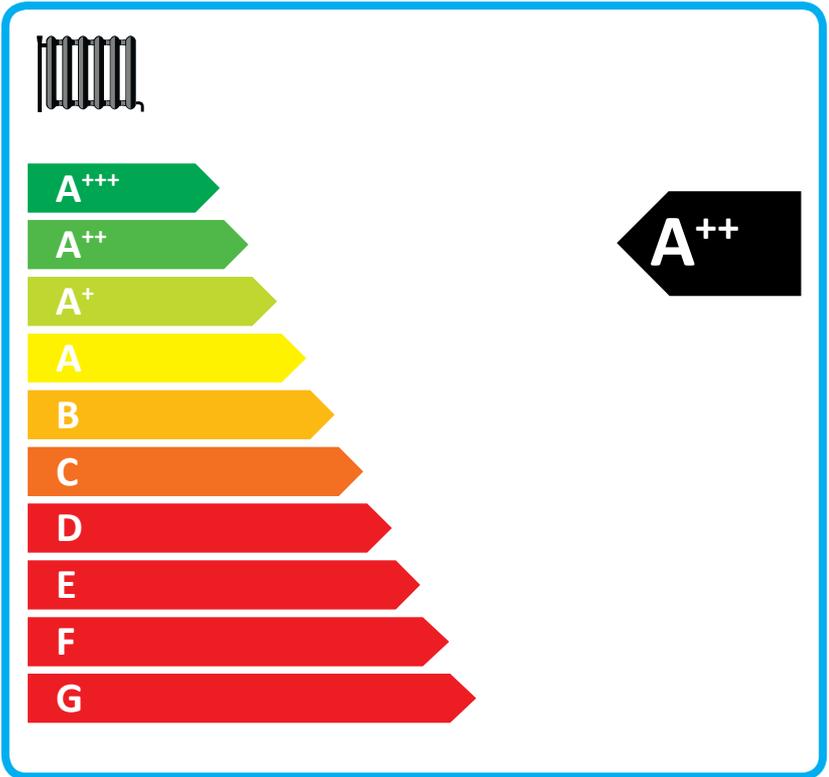


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Supplier's name:	NIBE		
Model:	F2040-6 + VVM S320		
Temperature application	35	55	°C
Declared load profile for water heating	XL		
Seasonal space heating energy efficiency class, average climate:	A+++	A++	
Water heating energy efficiency class, average climate:	A		
Rated heat output, average climate:	5	5	kW
Annual energy consumption for space heating, average climate	2089	3248	kWh
Annual electricity consumption for water heating, average climate	1833		kWh
Seasonal space heating energy efficiency, average climate:	188	131	%
Water heating energy efficiency, average climate:	91		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	4	6	kW
Rated heat output, warm climate:	4	5	kW
Annual energy consumption for space heating, cold climate	2694	4610	kWh
Annual electricity consumption for water heating, cold climate	2332		kWh
Annual energy consumption for space heating, warm climate	872	1398	kWh
Annual electricity consumption for water heating, warm climate	1485		kWh
Seasonal space heating energy efficiency, cold climate:	143	116	%
Water heating energy efficiency, cold climate:	72		%
Seasonal space heating energy efficiency, warm climate:	252	179	%
Water heating energy efficiency, warm climate:	113		%
Sound power level LWA outdoors	50		dB

Data for package fiche

in combination with SMO20 or SMO40

Controller class	VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	192	135	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	147	120	%
Seasonal space heating energy efficiency of package, warm climate:	256	183	%

Model(s):				F2040-6 + VVM S320								
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: EN14511, EN14825, EN16147 and EN12102												
Rated heat output				Prated	5,3	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	4,7	kW		Tj = -7 °C	COPd	1,88	kW				
Tj = +2 °C	Pdh	2,8	kW		Tj = +2 °C	COPd	3,26	kW				
Tj = +7 °C	Pdh	1,8	kW		Tj = +7 °C	COPd	4,72	kW				
Tj = +12 °C	Pdh	2,7	kW		Tj = +12 °C	COPd	6,47	kW				
Tj = biv	Pdh	4,7	kW		Tj = biv	COPd	1,88	kW				
Tj = TOL	Pdh	4,1	kW		Tj = TOL	COPd	1,77	kW				
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		kW				
Bivalent temperature				T _{biv}	-7	°C		Operation limit temperature				
Cycling interval capacity for heating				P _{cyh}		kW		Cycling interval efficiency				
Degradation co-efficient				Cdh	0,99	-		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}	0,007	kW		Rated heat output				P _{sup}	1,2	kW	
Thermostat-off mode	P _{TO}	0,012	kW									
Standby mode	P _{SB}	0,012	kW		Type of energy input				Electric			
Crankcase heater mode	P _{CK}	0	kW									
<i>Other items</i>												
Capacity control	variable			Rated air flow rate, outdoors					2526	m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	35/50	dB		Rated water flow rate, indoor heat exchanger						m ³ /h	
Annual energy consumption	Q _{HE}	3248	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}				
								91				
								%				
Daily electricity consumption	Q _{elec}	8,59	kWh		Daily fuel consumption				Q _{fuel}		kWh	
Annual electricity consumption	AEC	1833	kWh		Annual fuel consumption				AFC		GJ	
Approved by:												
Contact details				NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								