

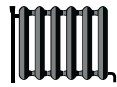


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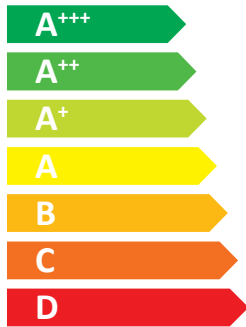
NIBE

NIBE F2050-6



55 °C

35 °C



A++

A+++



dB



53 dB



kW



kW



2019

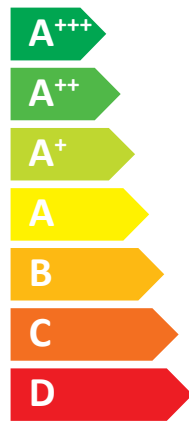
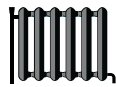
811/2013



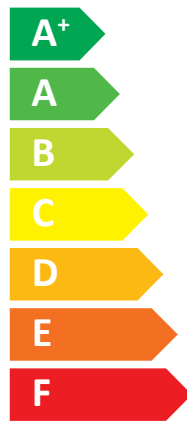
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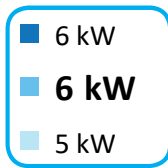
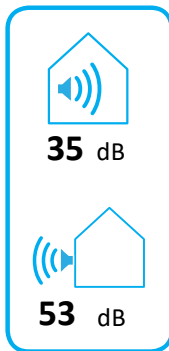
NIBE F2050-6 + VVM S320



A++



A



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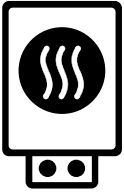




IJA

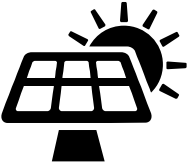
IE


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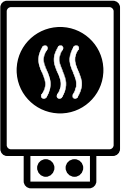
NIBE F2050-6 + VVM S320













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Supplier's name:	NIBE AB		
Model:	NIBE F2050-6 + 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	6	kW
Annual energy consumption for space heating, average climate	2116	3250	kWh
Annual electricity consumption for water heating, average climate	1557		kWh
Seasonal space heating energy efficiency, average climate:	200	139	%
Water heating energy efficiency, average climate:	108		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	6	6	kW
Rated heat output, warm climate:	6	5	kW
Annual energy consumption for space heating, cold climate	3487	4604	kWh
Annual electricity consumption for water heating, cold climate	2020		kWh
Annual energy consumption for space heating, warm climate	1110	1617	kWh
Annual electricity consumption for water heating, warm climate	1335		kWh
Seasonal space heating energy efficiency, cold climate:	161	119	%
Water heating energy efficiency, cold climate:	83		%
Seasonal space heating energy efficiency, warm climate:	265	178	%
Water heating energy efficiency, warm climate:	125		%
Sound power level LWA outdoors	53		dB

Data for package fiche with SMO or VVM

Controller class	CLASS_VI		
Controller contribution to efficiency	4		%
Seasonal space heating energy efficiency of package, average climate:	204	143	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	165	123	%
Seasonal space heating energy efficiency of package, warm climate:	269	182	%

Model(s):		NIBE F2050-6 + VVM S320									
Type of heat source/sink:		Air/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 - EN16147 - EN12102-1											
Rated heat output		Prated	5,6	kW	Seasonal space heating energy efficiency		η_s	139	%		
<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	5,0	kW	Tj = -7 °C	COPd	1,95					
Tj = +2 °C	Pdh	2,9	kW	Tj = +2 °C	COPd	3,51					
Tj = +7 °C	Pdh	1,9	kW	Tj = +7 °C	COPd	4,99					
Tj = +12 °C	Pdh	1,7	kW	Tj = +12 °C	COPd	6,33					
Tj = biv	Pdh	5,0	kW	Tj = biv	COPd	1,95					
Tj = TOL	Pdh	4,6	kW	Tj = TOL	COPd	1,75					
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd						
Bivalent temperature				T _{biv}	-7	°C	Operation limit temperature				
Cycling interval capacity for heating				P _{cyh}		kW	Cycling interval efficiency		COP _{cyh}	-	
Degradation co-efficient				Cdh	0,96	-	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}	1,0	kW			
Thermostat-off mode	P _{TO}	0,011	kW								
Standby mode	P _{SB}	0,011	kW	Type of energy input		Electric					
Crankcase heater mode	P _{CK}	0,000	kW								
<i>Other items</i>											
Capacity control		Variable		Rated air flow rate, outdoors			2340	m ³ /h			
Sound power level, indoors/outdoors		L _{WA}	35/53	dB	Rated water flow rate, indoor heat exchanger			m ³ /h			
Annual energy consumption		Q _{HE}	3250	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}	108	%			
Daily electricity consumption		Q _{elec}	7,409	kWh	Daily fuel consumption		Q _{fuel}	kWh			
Annual electricity consumption		AEC	1557	kWh	Annual fuel consumption		AFC	GJ			
Approved by:											
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden									