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NIBE

AMS 20-6 + HBS20



55 °C

35 °C



35 dB



54 dB



2019

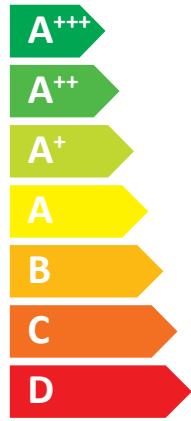
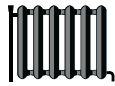
811/2013



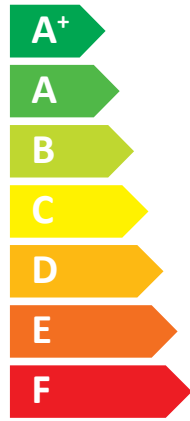
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AMS20-6 + HBS20 + VVM S320



A++



A

35 dB
 54 dB

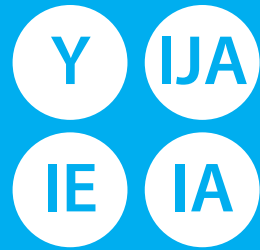


- 6 kW
- 6kW
- 5 kW



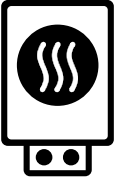







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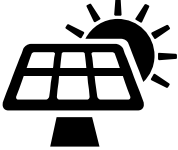
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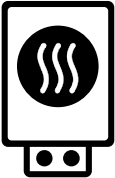
AMS20-6 + HBS20 + VVM S320













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Supplier's name:	NIBE		
Model:	AMS20-6 + HBS20 + 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	1890		kWh
Seasonal space heating energy efficiency, average climate:	200	139	%
Water heating energy efficiency, average climate:	89		%
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	2397		kWh
Annual energy consumption for space heating, warm climate	1110	1617	kWh
Annual electricity consumption for water heating, warm climate	1537		kWh
Seasonal space heating energy efficiency, cold climate:	161	119	%
Water heating energy efficiency, cold climate:	70		%
Seasonal space heating energy efficiency, warm climate:	265	178	%
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:	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):		AMS20-6 + HBS20 + 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	5,6	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	2,0	kW					
Tj = +2 °C	Pdh	2,9	kW	Tj = +2 °C	COPd	3,5	kW					
Tj = +7 °C	Pdh	1,9	kW	Tj = +7 °C	COPd	5,0	kW					
Tj = +12 °C	Pdh	1,7	kW	Tj = +12 °C	COPd	6,3	kW					
Tj = biv	Pdh	5,0	kW	Tj = biv	COPd	2,0	kW					
Tj = TOL	Pdh	4,6	kW	Tj = TOL	COPd	1,8	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		TOL	-10	°C	
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}	0,0112	kW	Type of energy input						Electric	
Standby mode		P _{SB}	0,0107	kW								
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}	35/54	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}	89	%		
Daily electricity consumption		Q _{elec}	8,59	kWh	Daily fuel consumption		Q _{fuel}		kWh			
Annual electricity consumption		AEC	1890	kWh	Annual fuel consumption		AFC		GJ			
Approved by:												
Contact details		NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden										