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NIBE

AMS10-8



55 °C

35 °C



A++

A++



35 dB



55 dB

■ 10

■ 7

■ 8

kW

■ 9

■ 8

■ 8

kW



2019

811/2013



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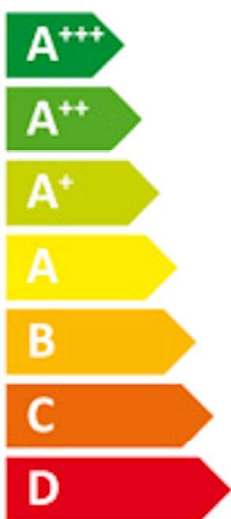
AMS10-8 + SHK200S



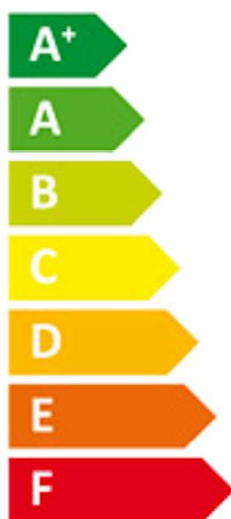
55°C



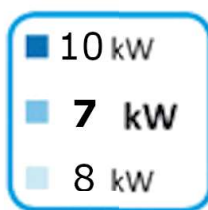
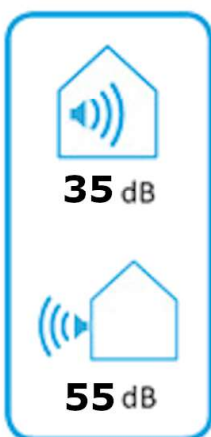
XL



A++



A



2019

811/2013





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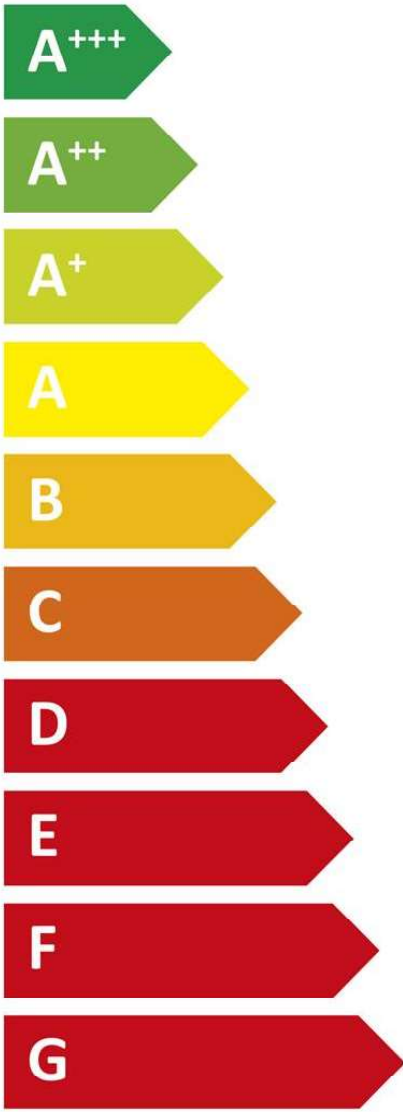







NIBE

AMS10-8



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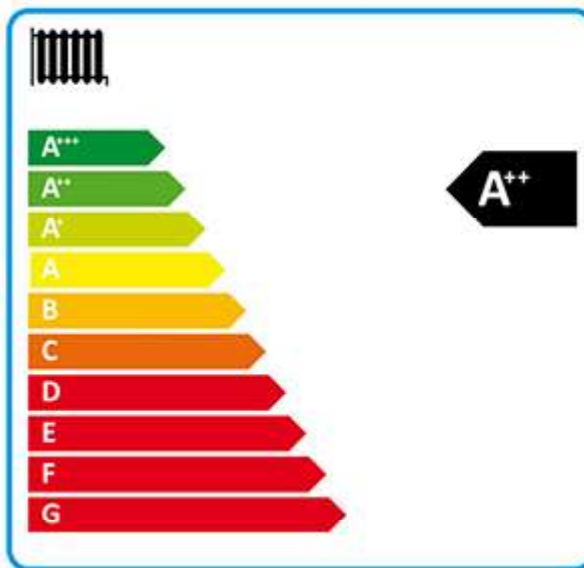
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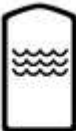
AMS10-8 + SHK200S











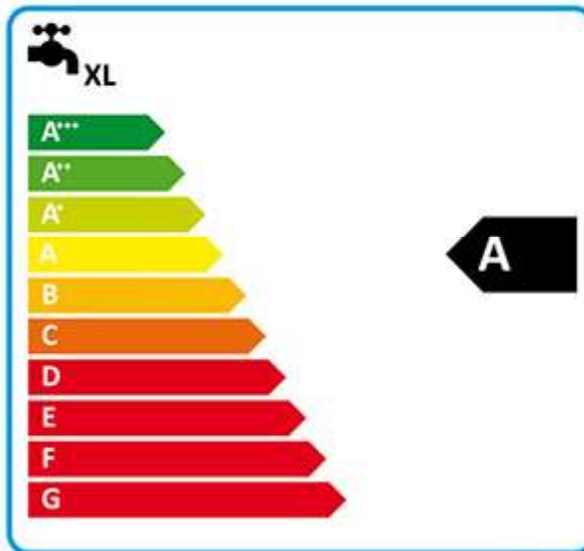













Supplier's name:	NIBE		
Model:	AMS 10-8 + SHK 200S		
Temperature application	35	55	°C
Declared load profile for water heating	XL		
Seasonal space heating energy efficiency class, average climate:	A++	A++	
Water heating energy efficiency class, average climate:	A		
Rated heat output, average climate:	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	55		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):				AMS 10-8 + SHK 200S									
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, 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	kW					
Tj = +2 °C	Pdh	3,9	kW		Tj = +2 °C	COPd	3,11	kW					
Tj = +7 °C	Pdh	2,6	kW		Tj = +7 °C	COPd	4,42	kW					
Tj = +12 °C	Pdh	3,7	kW		Tj = +12 °C	COPd	5,93	kW					
Tj = biv	Pdh	6,6	kW		Tj = biv	COPd	1,83	kW					
Tj = TOL	Pdh	5,9	kW		Tj = TOL	COPd	1,86	kW					
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		kW					
Bivalent temperature	T _{biv}	-8,6	°C		Operation limit temperature	TOL	-10	°C					
Cycling interval capacity for heating	P _{ych}		kW		Cycling interval efficiency	COP _{yc}		-					
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										
Standby mode	P _{SB}	0,015	kW		Type of energy input	Electric							
Crankcase heater mode	P _{CK}	0,03	kW										
<i>Other items</i>													
Capacity control	variable							Rated air flow rate, outdoors		3000	m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	35/55	dB						Rated water flow rate, indoor heat exchanger		0,60	m ³ /h	
Annual energy consumption	Q _{HE}	4447	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					
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									