



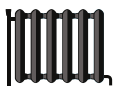
ENERG

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NIBE

AMS10-16 + SHB10-16



55 °C

35 °C



A⁺⁺

A⁺⁺⁺



35 dB



62 dB

■ 16
■ **14**
■ 15
kW

■ 15
■ **15**
■ 15
kW





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Y

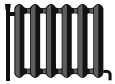


IJA

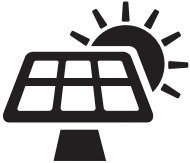



IE

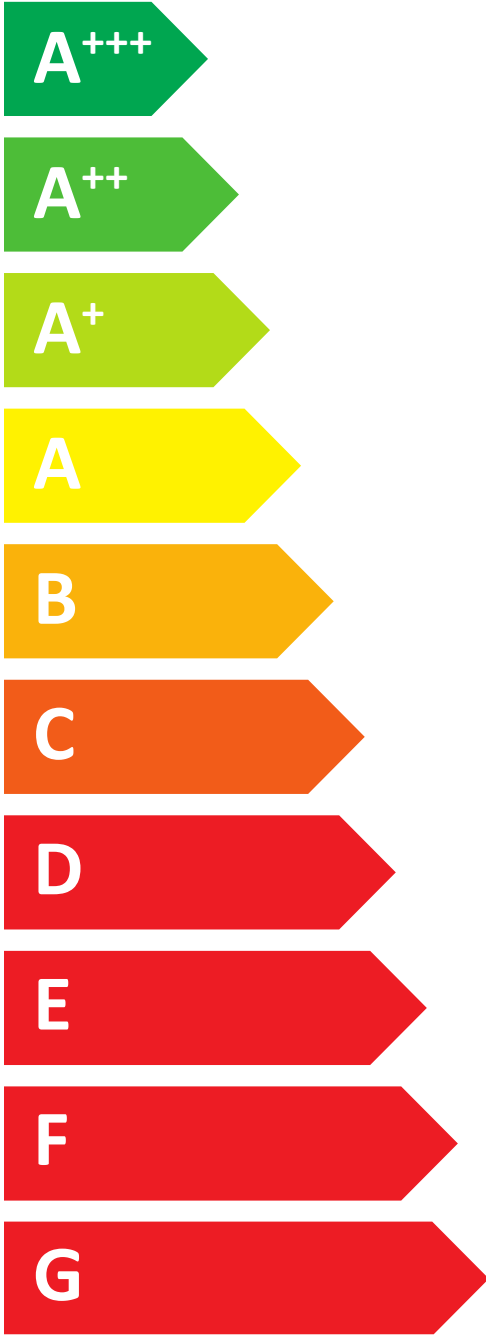

IA

NIBE

AMS10-16 + SHB10-16


- + 
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Supplier's name:	NIBE		
Model:	AMS 10-16 + SHB10-16		
Temperature application	35	55	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	A+++	A++	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	15	14	kW
Annual energy consumption for space heating, average climate	6692	8428	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	176	134	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	15	16	kW
Rated heat output, warm climate:	15	15	kW
Annual energy consumption for space heating, cold climate	10134	13930	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	3344	4186	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	143	110	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	237	188	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	62		dB

Data for package fiche

Controller class	VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	180	138	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	148	112	%
Seasonal space heating energy efficiency of package, warm climate:	239	193	%

Model(s):	AMS 10-16 + SHB10-16						
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	14,0	kW	Seasonal space heating energy efficiency	η_s	134	%
<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	12,5	kW	Tj = -7 °C	COPd	2,01	-
Tj = +2 °C	Pdh	7,6	kW	Tj = +2 °C	COPd	3,29	-
Tj = +7 °C	Pdh	4,9	kW	Tj = +7 °C	COPd	4,68	-
Tj = +12 °C	Pdh	6,8	kW	Tj = +12 °C	COPd	6,51	-
Tj = biv	Pdh	12,7	kW	Tj = biv	COPd	1,95	-
Tj = TOL	Pdh	11,0	kW	Tj = TOL	COPd	1,95	-
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-
Bivalent temperature	T _{biv}	-7,6	°C	Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	P _{cyh}		kW	Cycling interval efficiency	COP _{cyh}		-
Degradation co-efficient	Cdh	0,98	-	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}	3,0	kW
Thermostat-off mode	P _{TO}	0,016	kW	Type of energy input	Electric		
Standby mode	P _{SB}	0,015	kW				
Crankcase heater mode	P _{CK}	0,035	kW				
<i>Other items</i>							
Capacity control	Variable			Rated air flow rate, outdoors		6000	m ³ /h
Sound power level, indoors/outdoors	L _{WA}	35/62	dB	Rated water flow rate, indoor heat exchanger		1,21	m ³ /h
Annual energy consumption	Q _{HE}	8 428	kWh	Rated brine or water flow rate, outdoor heat exchanger			m ³ /h
<i>For heat pump combination heater:</i>							
Declared load profile				Water heating energy efficiency	η_{wh}		%
Daily electricity consumption	Q _{elec}		kWh	Daily fuel consumption	Q _{fuel}		kWh
Annual electricity consumption	AEC		kWh	Annual fuel consumption	AFC		GJ
Approved by:							
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