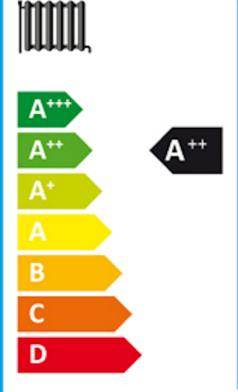


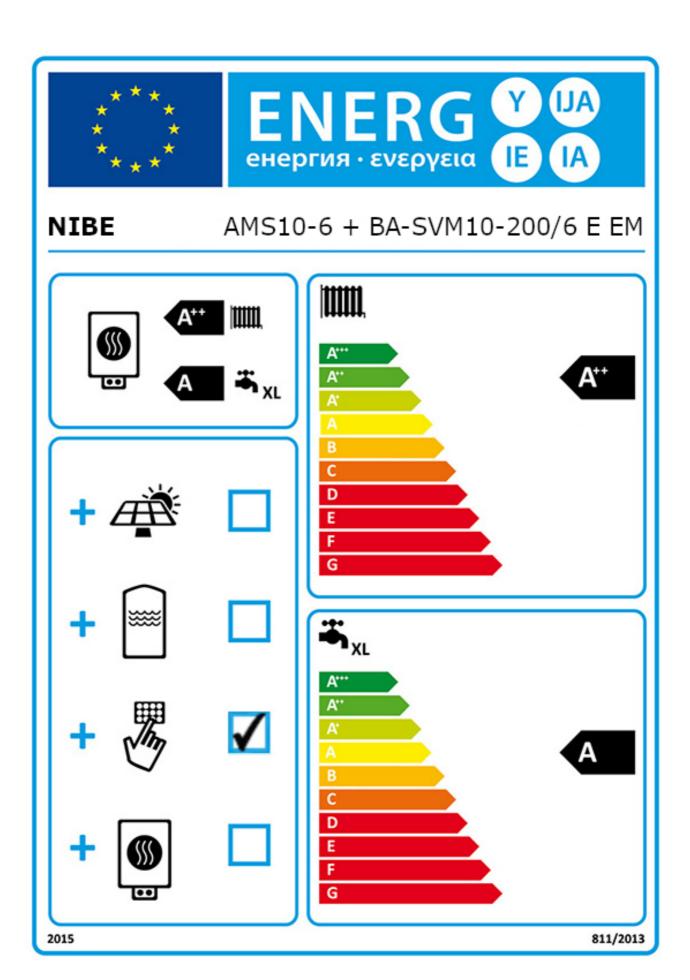
NIBE AMS10-6 + BA-SVM10-200/6 E EM







2019 811/2013



Supplier's name:	N			
Model:	AMS10-6 + BA-S			
Temperature application	35	55	°C	
Declared load profile for water	XL			
heating		\ _		
Seasonal space heating energy	A+++	A++		
efficiency class, average climate:	ATTT	ATT		
Water heating energy efficiency		A		
class, average climate:		<u> </u>		
Rated heat output, average climate:	5	5	kW	
Annual energy consumption for	2089	3248	kWh	
space heating, average climate	2009	3240	KVVII	
Annual electricity consumption for	1890		kWh	
water heating, average climate	100	,,,	KVVII	
Seasonal space heating energy	188	131	%	
efficiency, average climate:	100	131	%	
Water heating energy efficiency,		20	%	
average climate:	89		, -	
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	2694	4610	kWh	
space heating, cold climate	2094	4010	KVVII	
Annual electricity consumption for	2207		kWh	
water heating, cold climate	2397		KVVII	
Annual energy consumption for	872	1398	kWh	
space heating, warm climate	072	1390	KVVII	
Annual electricity consumption for	1537		kW h	
water heating, warm climate	1007		KVVII	
Seasonal space heating energy	143	116	%	
efficiency, cold climate:			, •	
Water heating energy efficiency,	70		%	
cold climate:	1			
Seasonal space heating energy	252	179	%	
efficiency, warm climate:				
Water heating energy efficiency, warm climate:	109		%	
			-10	
Sound power level LWA outdoors	51		dB	

Data for package fiche

Controller class	V		
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):	AMS10-6 + BA-SVM10-200/6 E EM			
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: EN14925 EN16147 EN 14511 and EN 12102				



Declared copacity for part load at outdoor temperature T $T = -7 ^{\circ}C \qquad Pdh \qquad 4,7 \qquad kW \qquad T = -7 ^{\circ}C \qquad COPd \qquad 1,88 \qquad -T = -7 ^{\circ}C \qquad Pdh \qquad 2,8 \qquad kW \qquad T = -7 ^{\circ}C \qquad COPd \qquad 3,26 \qquad -T = -7 ^{\circ}C \qquad Pdh \qquad 1,8 \qquad kW \qquad T = -7 ^{\circ}C \qquad COPd \qquad 4,72 \qquad -T = -7 ^{\circ}C \qquad Pdh \qquad 1,8 \qquad kW \qquad T = -12 ^{\circ}C \qquad COPd \qquad 4,72 \qquad -T = -7 ^{\circ}C \qquad COPd \qquad 4,72 \qquad -T = -7 ^{\circ}C \qquad Pdh \qquad 1,2 \qquad kW \qquad T = -12 ^{\circ}C \qquad COPd \qquad 4,72 \qquad -T = -7 ^{\circ}C \qquad CO$	Temperature application:			dium tem	perature (55 °C)			
Practed Pract S,3 kW Efficiency Pract S 131 %	Applied standards: EN14825, EN16147, EN	N 14511 and	EN 12102					
Tj = -7 °C	Rated heat output	Prated	5,3	kW	, , , , , , , , , , , , , , , , , , , ,	η_{s}	131	%
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Declared capacity for part load at outdoor temp	perature Tj			Declared coefficient of performance for part	load at outdoo	or temperati	ure Tj
Tj = +7 °C		Pdh	4,7	kW		COPd	1,88	-
Tj = +12 °C Tj = biv Pdh 4,7 kW Tj = TOL Tj = -15 °C (if TOL < -20 °C) Pdh 4,7 kW Tj = -15 °C (if TOL < -20 °C) Pdh 4,1 kW Tj = -15 °C (if TOL < -20 °C) Pdh 4,1 kW Tj = -15 °C (if TOL < -20 °C) Pdh 4,1 kW Tj = -15 °C (if TOL < -20 °C) Pdh 4,1 kW Tj = -15 °C (if TOL < -20 °C) Pdh 5,47 Tj = biv Tj = biv COPd 1,88 Tj = TOL Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) COPd Tj = -15 °C (if TOL < -20 °C) CoPd Tj = -15 °C (if TOL < -20 °C) CoPd Tj = -15 °C (if TOL < -20 °C) CoPd Tj = -15 °C (if TOL < -20 °C) CoPd Tj = -15 °C (if TOL < -20 °C) CoPd Tj = -15 °C (if TOL < -20 °C) CoPd Tj = -15 °C (if TOL < -20 °C) CoPd Tj = -15 °C (if TOL < -20 °C) CoPd Tj = -15 °C (if TOL < -20 °C CoPd Tj = -15 °C (if TOL < -20 °C CoPd Ti = -15 °C (if TOL < -20 °C CoPct Toll Till Till Till Till Till Till Till	Tj = +2 °C	Pdh	2,8	kW		COPd	3,26	-
Tj = biv	,	Pdh	1,8	kW	•	COPd	4,72	-
Tj = TOL Tj = -15 °C (if TOL < -20 °C) Pdh NW Tj = -15 °C (if TOL < -20 °C) Pdh NW Tj = -15 °C (if TOL < -20 °C) Pdh NW Tj = -15 °C (if TOL < -20 °C) Operation limit temperature TOL TJ = -15 °C (if TOL < -20 °C) CCycling interval capacity for heating Degradation co-efficient Tol	Tj = +12 °C	Pdh	2,7	kW	Tj = +12 °C	COPd	6,47	-
Tj = -15 °C (if TOL < -20 °C) Pdh kW Bivalent temperature T _{biv} -7 °C Cycling interval capacity for heating Pcych Degradation co-efficient Cdh 0,99 - Heating water operating limit WTOL 58 °C Power consumption in modes other than active mode Off mode P _{OrF} 0,007 kW Thermostat-off mode P _{To} 0,012 kW Standby mode P _{Se} 0,012 kW Crankcase heater mode P _{CK} 0 kW Other items Capacity control variable Sound power level, indoors/outdoors L _{WA} 35/51 dB Annual energy consumption Pater: Declared load profile XL Water heating energy efficiency COPcyc - Cycling interval efficiency COPcyc - CoPcyc - CoPcyc - CoPcyc - CoPcyc - CoPcyc - Co	Tj = biv	Pdh	4,7	kW	Tj = biv	COPd	1,88	_
Bivalent temperature	Tj = TOL	Pdh	4,1	kW	, -	COPd	1,77	-
Cycling interval capacity for heating Pcych Degradation co-efficient Cdh 0,99 - Heating water operating limit WTOL 58 °C Cycling interval efficiency COPcyc Degradation co-efficient Cdh 0,99 - Heating water operating limit WTOL 58 °C Cycling interval efficiency COPcyc Degradation co-efficient Cdh 0,99 - Heating water operating limit WTOL 58 °C Cycling interval efficiency COPcyc Degradation co-efficient Cdh 0,99 - Heating water operating limit WTOL 58 °C Cycling interval efficiency COPcyc Degradation co-efficient Cdh 0,99 - Heating water operating limit WTOL 58 °C Cycling interval efficiency COPcyc Degradation co-efficient Cdh 0,99 - Heating water operating limit WTOL 58 °C Cycling interval efficiency COPcyc Degradation co-efficient Cdh 0,99 - Heating water operating limit WTOL 58 °C Cycling interval efficiency Degradation co-efficient Copy Degradation CoPcyc Degradation COPcyc Degradation COPcyc Degradation COPcyc Degradation COPcyc Degradation COPcyc Degradation Copy Degradatio	Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 $^{\circ}$ C (if TOL < -20 $^{\circ}$ C)	COPd		-
Degradation co-efficient Cdh 0,99 - Heating water operating limit WTOL 58 °C Power consumption in modes other than active mode Off mode Poff 0,007 kW Thermostat-off mode Pro 0,012 kW Standby mode Pro 0,012 kW Standby mode Pro 0,012 kW Crankcase heater mode Pro 0 kW Other items Capacity control variable Rated air flow rate, outdoors Rated water flow rate, indoor heat exchanger m³/ Rated brine or water flow rate, outdoor heat exchanger m³/ Rated brine or water flow rate, outdoor heat exchanger m³/ For heat pump combination heater: Declared load profile XL Water heating energy efficiency nwh 89 % Daily electricity consumption Qelec 8,59 kWh Annual electricity consumption AEC 1890 kWh Annual fuel consumption AFC GJ Approved by:	Bivalent temperature	T _{biv}	-7	°C	Operation limit temperature	TOL	-10	°C
Degradation co-efficient Cdh 0,99 - Heating water operating limit WTOL 58 °C Power consumption in modes other than active mode Off mode Poff 0,007 kW Thermostat-off mode Pro 0,012 kW Standby mode Pro 0,012 kW Standby mode Pro 0,012 kW Crankcase heater mode Pro 0 kW Other items Capacity control variable Rated air flow rate, outdoors Rated water flow rate, indoor heat exchanger m³/ Rated brine or water flow rate, outdoor heat exchanger m³/ Rated brine or water flow rate, outdoor heat exchanger m³/ For heat pump combination heater: Declared load profile XL Water heating energy efficiency nwh 89 % Daily electricity consumption Qelec 8,59 kWh Annual electricity consumption AEC 1890 kWh Annual fuel consumption AFC GJ Approved by:	Cycling interval capacity for heating	Pcych		kW	Cycling interval efficiency	COPcyc		-
Off mode			0,99	-			58	°C
Off mode	Power consumption in modes other than active	mode			Supplementary heater			
Thermostat-off mode	Off mode	P _{OFF}	0,007	kW	Rated heat output	Psup	1,2	kW
Crankcase heater mode PCK O kW Other items Capacity control Sound power level, indoors/outdoors Annual energy consumption Capacity control Capacity consumption Capacity consumptio	Thermostat-off mode		0,012	kW	·		-	<u></u>
Capacity control Capacity control Sound power level, indoors/outdoors Annual energy consumption Capacity control Capacity consumption Capacity c	Standby mode	P _{SB}	0,012	kW	Type of energy input	Electric		
Capacity control Capacity consumption Capaci	Crankcase heater mode	P _{CK}	0	kW				
Capacity control Capacity consumption Capaci	Other items							
Sound power level, indoors/outdoors L _{WA} 35/51 dB Rated water flow rate, indoor heat exchanger Rated brine or water flow rate, outdoor heat exchanger Rated brine or water flow rate, outdoor heat exchanger M³/ Rated brine or water flow rate, outdoor heat exchanger M³/ For heat pump combination heater: Declared load profile XL Water heating energy efficiency N _{Wh} 89 % Daily electricity consumption AFC Approved by: Rated water flow rate, indoor heat exchanger M³/ Rated brine or water flow rate, outdoor heat exchanger M³/ Rated water flow rate, indoor heat exchanger M³/ Poil principle of the		variable			Rated air flow rate, outdoors		2526	m³/h
Annual energy consumption Q _{HE} 3248 kWh Rated brine or water flow rate, outdoor heat exchanger Market pump combination heater: Declared load profile XL Daily electricity consumption Approved by: Rated brine or water flow rate, outdoor heat exchanger Mater heating energy efficiency Paily fuel consumption Approved by: Daily fuel consumption Approved by:					Rated water flow rate, indoor heat			
Annual energy consumption Q _{HE} 3248 kWh outdoor heat exchanger m³/ For heat pump combination heater: Declared load profile XL Water heating energy efficiency n _{Wh} 89 % Daily electricity consumption Annual electricity consumption AEC 1890 kWh Annual fuel consumption AFC GJ Approved by:	Sound power level, indoors/outdoors	L _{WA}	35/51	dB	exchanger			m³/h
For heat pump combination heater: Declared load profile XL Water heating energy efficiency Daily electricity consumption Annual electricity consumption AEC 1890 kWh Annual fuel consumption AFC GJ Approved by:					Rated brine or water flow rate,			
Daily electricity consumption Approved by: Water heating energy efficiency Daily fuel consumption Approved by: Water heating energy efficiency Daily fuel consumption Approved by: Water heating energy efficiency Daily fuel consumption Approved by: Water heating energy efficiency Daily fuel consumption Approved by:	Annual energy consumption	Q_{HE}	3248	kWh	outdoor heat exchanger			m³/h
Daily electricity consumption Q _{elec} 8,59 kWh Annual electricity consumption AEC 1890 kWh Approved by:	For heat pump combination heater:							
Annual electricity consumption AEC 1890 kWh Annual fuel consumption AFC GJ Approved by:	Declared load profile		XL		Water heating energy efficiency	η_{wh}	89	%
Annual electricity consumption AEC 1890 kWh Annual fuel consumption AFC GJ Approved by:	Daily electricity consumption	0	8.59	kWh	Daily fuel consumption	0, ,		kWh
Approved by:					· · · · · · · · · · · · · · · · · · ·			GJ
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