



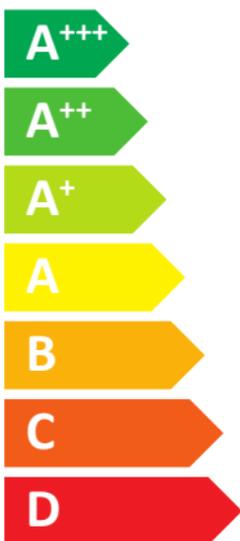
# ENERG

енергия · ενεργεια

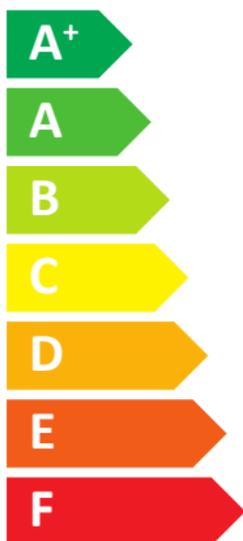


NIBE

AMS10-8 + BA-SVM10-200/12 E



A<sup>++</sup>



A



35 dB



55 dB



10 kW

07 kW

08 kW



# ENERG

енергия · ενεργεια

Y

IJA

IE

IA

NIBE

AMS10-8 + BA-SVM10-200/12 E

A++

A

XL

+

+

+

+

X

A+++

A++

A+

A

B

C

D

E

F

G

A++

XL

A+++

A++

A+

A

B

C

D

E

F

G

A

Supplier's name:	<b>NIBE</b>		
Model:	<b>AMS10-8 + BA-SVM10-200/12 E</b>		
Temperature application	<b>35</b>	<b>55</b>	°C
Declared load profile for water heating	<b>XL</b>		
Seasonal space heating energy efficiency class, average climate:	<b>A++</b>	<b>A++</b>	
Water heating energy efficiency class, average climate:	<b>A</b>		
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:	<b>A+++</b>	<b>A++</b>	%
Seasonal space heating energy efficiency of package, cold climate:	143	112	%
Seasonal space heating energy efficiency of package, warm climate:	229	184	%

<b>Model(s):</b>				<b>AMS10-8 + BA-SVM10-200/12 E</b>							
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											
<b>Rated heat output</b>				Prated	7,0	kW		<b>Seasonal space heating energy efficiency</b>			
								$\eta_s$	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	-			
Tj = +2 °C	Pdh	3,9	kW		Tj = +2 °C	COPd	3,11	-			
Tj = +7 °C	Pdh	2,6	kW		Tj = +7 °C	COPd	4,42	-			
Tj = +12 °C	Pdh	3,7	kW		Tj = +12 °C	COPd	5,93	-			
Tj = biv	Pdh	6,6	kW		Tj = biv	COPd	1,83	-			
Tj = TOL	Pdh	5,9	kW		Tj = TOL	COPd	1,86	-			
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		-			
Bivalent temperature				T <sub>biv</sub>	-8,6	°C		Operation limit temperature			
Cycling interval capacity for heating				P <sub>cyh</sub>		kW		Cycling interval efficiency			
Degradation co-efficient				Cdh	0,97	-		Heating water operating limit			
								TOL	-10	°C	
								COP <sub>cyh</sub>		-	
								WTOL	58	°C	
<i>Power consumption in modes other than active mode</i>								<i>Supplementary heater</i>			
Off mode				P <sub>OFF</sub>	0,002	kW		Rated heat output			
Thermostat-off mode				P <sub>TO</sub>	0,01	kW		P <sub>sup</sub>			
Standby mode				P <sub>SB</sub>	0,015	kW		1,1			
Crankcase heater mode				P <sub>CK</sub>	0,03	kW		Type of energy input			
								Electric			
<i>Other items</i>											
Capacity control				variable				Rated air flow rate, outdoors			
Sound power level, indoors/outdoors				L <sub>WA</sub>	35/55	dB		3000			
								m <sup>3</sup> /h			
Annual energy consumption				Q <sub>HE</sub>	4447	kWh		Rated water flow rate, indoor heat exchanger			
								0,60			
								m <sup>3</sup> /h			
								Rated brine or water flow rate, outdoor heat exchanger			
								m <sup>3</sup> /h			
<i>For heat pump combination heater:</i>											
<b>Declared load profile</b>				XL				<b>Water heating energy efficiency</b>			
								$\eta_{wh}$	99	%	
Daily electricity consumption				Q <sub>elec</sub>	7,69	kWh		Daily fuel consumption			
Annual electricity consumption				AEC	1689	kWh		Q <sub>fuel</sub>			
								kWh			
								Annual fuel consumption			
								AFC		GJ	
<b>Approved by:</b>											
<b>Contact details</b>				© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							



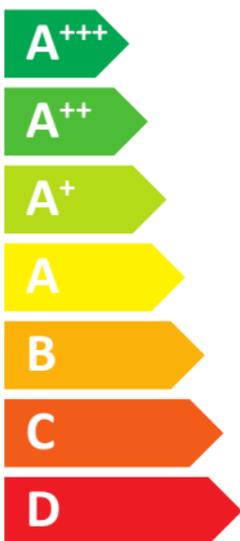
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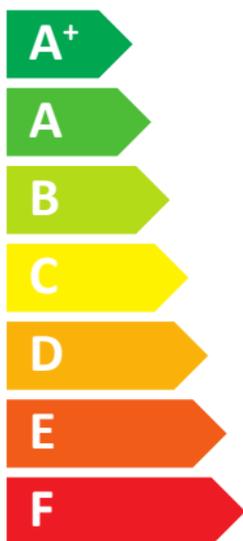


NIBE

AMS10-12 + BA-SVM10-200/12 E



A<sup>++</sup>



A



35 dB



58 dB



- 13 kW
- 10 kW
- 12 kW



# ENERG

енергия · ενεργεια

Y

IJA

IE

IA

NIBE

AMS10-12 + BA-SVM10-200/12 E

A++

A

XL

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+

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X

A+++

A++

A+

A

B

C

D

E

F

G

A++

A+++

A++

A+

A

B

C

D

E

F

G

A

Supplier's name:	<b>NIBE</b>		
Model:	<b>AMS10-12 + BA-SVM10-200/12 E</b>		
Temperature application	<b>35</b>	<b>55</b>	°C
Declared load profile for water heating	<b>XL</b>		
Seasonal space heating energy efficiency class, average climate:	<b>A++</b>	<b>A++</b>	
Water heating energy efficiency class, average climate:	<b>A</b>		
Rated heat output, average climate:	11.5	10,0	kW
Annual energy consumption for space heating, average climate	5382	6136	kWh
Annual electricity consumption for water heating, average climate	1702		kWh
Seasonal space heating energy efficiency, average climate:	174	132	%
Water heating energy efficiency, average climate:	98		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	11,5	13,0	kW
Rated heat output, warm climate:	12,0	12,0	kW
Annual energy consumption for space heating, cold climate	7798	11197	kWh
Annual electricity consumption for water heating, cold climate	1904		kWh
Annual energy consumption for space heating, warm climate	2759	3419	kWh
Annual electricity consumption for water heating, warm climate	1551		kWh
Seasonal space heating energy efficiency, cold climate:	142	111	%
Water heating energy efficiency, cold climate:	88		%
Seasonal space heating energy efficiency, warm climate:	229	185	%
Water heating energy efficiency, warm climate:	108		%
Sound power level LWA outdoors	58		dB

### Data for package fiche

Controller class	VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	178	136	%
Seasonal space heating energy efficiency class for package, average climate:	<b>A+++</b>	<b>A++</b>	%
Seasonal space heating energy efficiency of package, cold climate:	146	115	%
Seasonal space heating energy efficiency of package, warm climate:	233	189	%

<b>Model(s):</b>		<b>AMS10-12 + BA-SVM10-200/12 E</b>									
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											
<b>Rated heat output</b>		Prated	10,0	kW	<b>Seasonal space heating energy efficiency</b>		$\eta_s$	132	%		
<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	8,9	kW	Tj = -7 °C	COPd	1,99	-				
Tj = +2 °C	Pdh	5,5	kW	Tj = +2 °C	COPd	3,22	-				
Tj = +7 °C	Pdh	3,5	kW	Tj = +7 °C	COPd	4,61	-				
Tj = +12 °C	Pdh	5,0	kW	Tj = +12 °C	COPd	6,25	-				
Tj = biv	Pdh	9,2	kW	Tj = biv	COPd	1,90	-				
Tj = TOL	Pdh	8,1	kW	Tj = TOL	COPd	1,92	-				
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-				
Bivalent temperature				T <sub>biv</sub>	-7,9	°C	Operation limit temperature		TOL	-10	°C
Cycling interval capacity for heating				P <sub>cyh</sub>		kW	Cycling interval efficiency		COP <sub>cyh</sub>		-
Degradation co-efficient				C <sub>dh</sub>	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 <sub>OFF</sub>	0,002	kW	Rated heat output		P <sub>sup</sub>	1,9	kW			
Thermostat-off mode	P <sub>TO</sub>	0,014	kW	Type of energy input		Electric					
Standby mode	P <sub>SB</sub>	0,015	kW	Crankcase heater mode		P <sub>CK</sub>	0,035	kW			
<i>Other items</i>											
Capacity control				variable		Rated air flow rate, outdoors			4380	m <sup>3</sup> /h	
Sound power level, indoors/outdoors				L <sub>WA</sub>	35/58	dB	Rated water flow rate, indoor heat exchanger			0,86	m <sup>3</sup> /h
Annual energy consumption				Q <sub>HE</sub>	6136	kWh	Rated brine or water flow rate, outdoor heat exchanger				m <sup>3</sup> /h
<i>For heat pump combination heater:</i>											
<b>Declared load profile</b>				XL		<b>Water heating energy efficiency</b>		$\eta_{wh}$	98	%	
Daily electricity consumption				Q <sub>elec</sub>	7,75	kWh	Daily fuel consumption		Q <sub>fuel</sub>		kWh
Annual electricity consumption				AEC	1702	kWh	Annual fuel consumption		AFC		GJ
<b>Approved by:</b>											
<b>Contact details</b>				© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							