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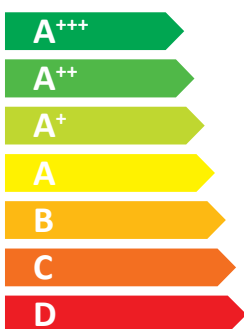
NIBE

AMS 10-12 + BA-SVM20-200-12 E



55 °C

35 °C



A++

A++



31 dB



58 dB

■ 13
■ **10**
■ 12
kW

■ 12
■ **12**
■ 12
kW



2019

811/2013

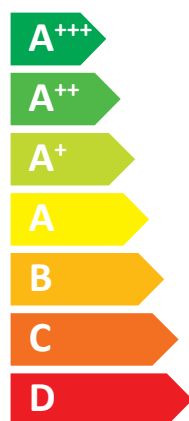


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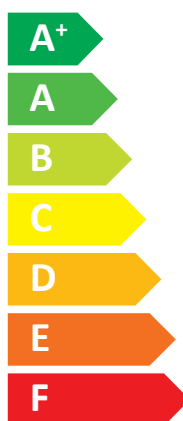


NIBE

AMS10-12 + BA-SVM20-200-12 E



A++



A



31 dB



58 dB



- 13 kW
- **10kW**
- 12 kW

2019

811/2013



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Y

IJA

IE

IA

NIBE

AMS10-12 + BA-SVM20-200-12 E



A⁺⁺



A



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

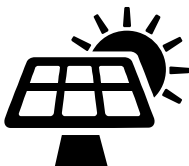
E

F

G

A⁺⁺

+



+



+



+



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

A

Supplier's name:	NIBE AB		
Model:	AMS10-12 + BA-SVM20-200-12 E		
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:	12	10	kW
Annual energy consumption for space heating, average climate	5361	6137	kWh
Annual electricity consumption for water heating, average climate	1557		kWh
Seasonal space heating energy efficiency, average climate:	174	132	%
Water heating energy efficiency, average climate:	108		%
Sound power level LWA indoors	31		dB
Rated heat output, cold climate:	12	13	kW
Rated heat output, warm climate:	12	12	kW
Annual energy consumption for space heating, cold climate	7920	11461	kWh
Annual electricity consumption for water heating, cold climate	1941		kWh
Annual energy consumption for space heating, warm climate	2765	3445	kWh
Annual electricity consumption for water heating, warm climate	1278		kWh
Seasonal space heating energy efficiency, cold climate:	140	109	%
Water heating energy efficiency, cold climate:	86		%
Seasonal space heating energy efficiency, warm climate:	229	183	%
Water heating energy efficiency, warm climate:	131		%
Sound power level LWA outdoors	58		dB

Data for package fiche

Controller class	CLASS VI		
Controler 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:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	144	113	%
Seasonal space heating energy efficiency of package, warm climate:	233	187	%

Model(s):		AMS10-12 + BA-SVM20-200-12 E				NIBE			
Type of heat source/sink:		Air/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: EN 14825:2022, EN 16147:2017+A1:2022, EN 12102-1:2022									
Rated heat output		Prated	10,0	kW	Seasonal space heating energy efficiency		η_s	132	%
Declared capacity for part load at outdoor temperature T_j					Declared coefficient of performance for part load at outdoor temperature T_j				
$T_j = -7\text{ °C}$	Pdh	8,9	kW	$T_j = -7\text{ °C}$		COPd	1,99		
$T_j = +2\text{ °C}$	Pdh	5,5	kW	$T_j = +2\text{ °C}$		COPd	3,22		
$T_j = +7\text{ °C}$	Pdh	3,6	kW	$T_j = +7\text{ °C}$		COPd	4,61		
$T_j = +12\text{ °C}$	Pdh	5,0	kW	$T_j = +12\text{ °C}$		COPd	6,91		
$T_j = \text{biv}$	Pdh	9,2	kW	$T_j = \text{biv}$		COPd	1,90		
$T_j = \text{TOL}$	Pdh	8,1	kW	$T_j = \text{TOL}$		COPd	1,92		
$T_j = -15\text{ °C}$ (if $\text{TOL} < -20\text{ °C}$)	Pdh		kW	$T_j = -15\text{ °C}$ (if $\text{TOL} < -20\text{ °C}$)		COPd			
Bivalent temperature		T_{biv}	-8	°C	Operation limit temperature		TOL	-10	°C
Cycling interval capacity for heating		Pcyc		kW	Cycling interval efficiency		COPcyc		-
Degradation co-efficient		Cdh	0,98	-	Heating water operating limit		WTOL	58	°C
Power consumption in modes other than active mode					Supplementary heater				
Off mode	P_{OFF}	0,002	kW	Rated heat output		P_{sup}	1,9	kW	
Thermostat-off mode	P_{TO}	0,014	kW						
Standby mode	P_{SB}	0,015	kW	Type of energy input		Electric			
Crankcase heater mode	P_{CK}	0,035	kW						
Other items									
Capacity control	Variable			Rated air flow rate, outdoors			4380	m^3/h	
Sound power level, indoors/outdoors	L_{WA}	31/58	dB	Rated water flow rate, indoor heat exchanger			0,86	m^3/h	
Annual energy consumption	Q_{HE}	6137	kWh	Rated brine or water flow rate, outdoor heat exchanger				m^3/h	
For heat pump combination heater:									
Declared load profile		XL		Water heating energy efficiency		η_{wh}	108	%	
Daily electricity consumption	Q_{elec}	7,409	kWh	Daily fuel consumption		Q_{fuel}		kWh	
Annual electricity consumption	AEC	1557	kWh	Annual fuel consumption		AFC		GJ	
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							