



ENERG
енергия · ενεργεια

Y IJA
IE IA

NIBE

AMS10-16



55 °C

35 °C



A++

A++



35 dB



58 dB

■ 15
■ **13**
■ 15
kW

■ 15
■ **13**
■ 15
kW



2015

811/2013

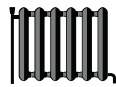


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NIBE

AMS10-16 + HBS + HEV300



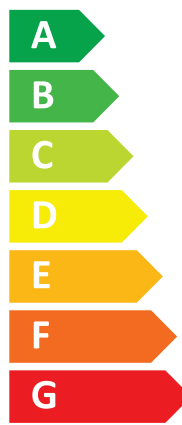
55°C



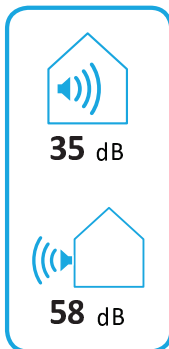
XXL



A++



A



2015

811/2013



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Y

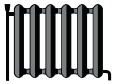
IJA

IE

IA

NIBE

AMS10-16



35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

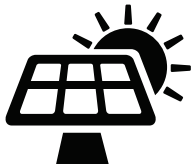
D

E

F

G

+



+



+



+





ENERG

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Y

IJA

IE

IA

NIBE

AMS10-16 + HBS + HEV300

A⁺⁺

A

XXL

+

+

+

+

55 °C

A⁺⁺


XXL

A

Supplier's name:	NIBE		
Model:	AMS10-16 + HBS + HEV300		
Temperature application	35	55	°C
Declared load profile for water heating	XXL		
Seasonal space heating energy efficiency class, average climate:	A++	A++	
Water heating energy efficiency class, average climate:	A		
Rated heat output, average climate:	12,5	13,0	kW
Annual energy consumption for space heating, average climate	6112	8017	kWh
Annual electricity consumption for water heating, average climate	2138		kWh
Seasonal space heating energy efficiency, average climate:	166	131	%
Water heating energy efficiency, average climate:	101		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	15,0	15,0	kW
Rated heat output, warm climate:	15,0	15,0	kW
Annual energy consumption for space heating, cold climate	10709	13145	kWh
Annual electricity consumption for water heating, cold climate	2517		kWh
Annual energy consumption for space heating, warm climate	3361	4193	kWh
Annual electricity consumption for water heating, warm climate	1938		kWh
Seasonal space heating energy efficiency, cold climate:	135	110	%
Water heating energy efficiency, cold climate:	86		%
Seasonal space heating energy efficiency, warm climate:	235	188	%
Water heating energy efficiency, warm climate:	111		%
Sound power level LWA outdoors	58		dB

Data for package fiche

Controller class	II		
Controller contribution to efficiency	2,0		%
Seasonal space heating energy efficiency of package, average climate:	168	133	%
Seasonal space heating energy efficiency class for package, average climate:	A++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	137	112	%
Seasonal space heating energy efficiency of package, warm climate:	237	190	%

Model(s):		AMS 10-16 + HBS + HEV300										
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 and EN16147												
Rated heat output		Prated	13,0	kW	Seasonal space heating energy efficiency		η_s	131	%			
<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	11,5	kW	Tj = -7 °C	COPd	1,99	-					
Tj = +2 °C	Pdh	7,0	kW	Tj = +2 °C	COPd	3,24	-					
Tj = +7 °C	Pdh	4,5	kW	Tj = +7 °C	COPd	4,62	-					
Tj = +12 °C	Pdh	4,3	kW	Tj = +12 °C	COPd	5,70	-					
Tj = biv	Pdh	11,1	kW	Tj = biv	COPd	1,99	-					
Tj = TOL	Pdh	9,6	kW	Tj = TOL	COPd	1,98	-					
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-					
Bivalent temperature				T _{biv}	-4,2	°C	Operation limit temperature			TOL	-10	°C
Cycling interval capacity for heating				P _{cyc}		kW	Cycling interval efficiency			COP _{cyc}		-
Degradation co-efficient				C _{dh}	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}	3,4	kW	
Thermostat-off mode				P _{TO}	0,016	kW						
Standby mode				P _{SB}	0,015	kW	Type of energy input		Electric			
Crankcase heater mode				P _{CK}	0,035	kW						
<i>Other items</i>												
Capacity control				variable								
Sound power level, indoors/outdoors				L _{WA}	35/58	dB	Rated air flow rate, outdoors			6000	m ³ /h	
Annual energy consumption				Q _{HE}	8017	kWh	Rated water flow rate, indoor heat exchanger			1,12	m ³ /h	
							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		η_{wh}	101	%
Daily electricity consumption				Q _{elec}	9,73	kWh	Daily fuel consumption		Q _{fuel}		kWh	
Annual electricity consumption				AEC	2138	kWh	Annual fuel consumption		AFC		GJ	
Approved by:												
Contact details				© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								