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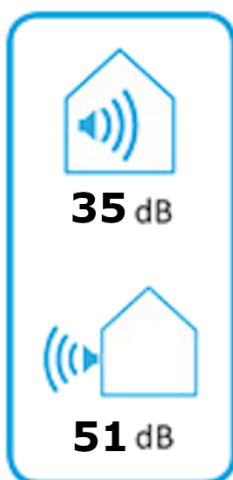
NIBE AMS10-6 + BA-SVM10-200/6 E EM



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



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Supplier's name:	NIBE		
Model:	AMS10-6 + BA-SVM10-200/6 E EM		
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:	5	5	kW
Annual energy consumption for space heating, average climate	2089	3248	kWh
Annual electricity consumption for water heating, average climate	1890		kWh
Seasonal space heating energy efficiency, average climate:	188	131	%
Water heating energy efficiency, 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 space heating, cold climate	2694	4610	kWh
Annual electricity consumption for water heating, cold climate	2397		kWh
Annual energy consumption for space heating, warm climate	872	1398	kWh
Annual electricity consumption for water heating, warm climate	1537		kWh
Seasonal space heating energy efficiency, cold climate:	143	116	%
Water heating energy efficiency, cold climate:	70		%
Seasonal space heating energy efficiency, warm climate:	252	179	%
Water heating energy efficiency, warm climate:	109		%
Sound power level LWA outdoors	51		dB

Data for package fiche

Controller class	VI		
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: EN14825, EN16147, EN 14511 and EN 12102									
Rated heat output		Prated	5,3	kW	Seasonal space heating energy efficiency		ηs	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	4,7	kW	Tj = -7 °C	COPd	1,88	-		
Tj = +2 °C	Pdh	2,8	kW	Tj = +2 °C	COPd	3,26	-		
Tj = +7 °C	Pdh	1,8	kW	Tj = +7 °C	COPd	4,72	-		
Tj = +12 °C	Pdh	2,7	kW	Tj = +12 °C	COPd	6,47	-		
Tj = biv	Pdh	4,7	kW	Tj = biv	COPd	1,88	-		
Tj = TOL	Pdh	4,1	kW	Tj = TOL	COPd	1,77	-		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-		
Bivalent temperature	Tbiv	-7	°C	Operation limit temperature	TOL	-10	°C		
Cycling interval capacity for heating	Pcyc		kW	Cycling interval efficiency	COPcyc		-		
Degradation co-efficient	Cdh	0,99	-	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}	0,007	kW	Rated heat output	Psup	1,2	kW		
Thermostat-off mode	P _{TO}	0,012	kW						
Standby mode	P _{SB}	0,012	kW	Type of energy input	Electric				
Crankcase heater mode	P _{CK}	0	kW						
<i>Other items</i>									
Capacity control	variable			Rated air flow rate, outdoors		2526	m³/h		
Sound power level, indoors/outdoors	L _{WA}	35/51	dB	Rated water flow rate, indoor heat exchanger			m³/h		
Annual energy consumption	Q _{HE}	3248	kWh	Rated brine or water flow rate, outdoor heat exchanger			m³/h		
<i>For heat pump combination heater:</i>									
Declared load profile		XL		Water heating energy efficiency		η _{wh}	89	%	
Daily electricity consumption	Q _{elec}	8,59	kWh	Daily fuel consumption	Q _{fuel}		kWh		
Annual electricity consumption	AEC	1890	kWh	Annual fuel consumption	AFC		GJ		
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							