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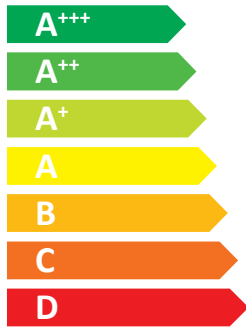
NIBE

AMS 10-8



55 °C

35 °C



A+

A++



dB



55 dB



kW



kW



2019

811/2013

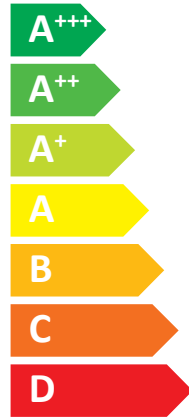
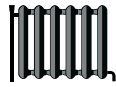


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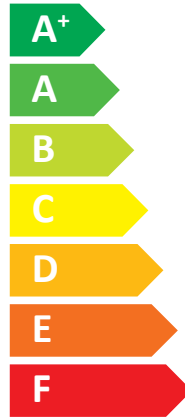
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NIBE

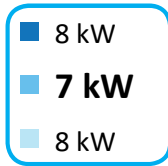
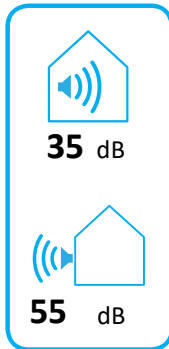
AMS10-8 + ACVM270



A+



A



2019

811/2013



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Y

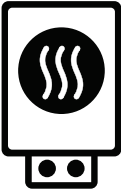




IJA

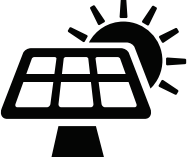
IE


IA


NIBE


AMS10-8 + ACVM270













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Supplier's name:	NIBE		
Model:	AMS10-8 + ACVM270		
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:	6,3	7,0	kW
Annual energy consumption for space heating, average climate	3214	4821	kWh
Annual electricity consumption for water heating, average climate	1689		kWh
Seasonal space heating energy efficiency, average climate:	159	117	%
Water heating energy efficiency, average climate:	99		%
Sound power level LWA indoors	35		dB
Rated heat output, cold climate:	8,2	8,2	kW
Rated heat output, warm climate:	8,0	8,0	kW
Annual energy consumption for space heating, cold climate	6075	7454	kWh
Annual electricity consumption for water heating, cold climate	1886		kWh
Annual energy consumption for space heating, warm climate	1874	2333	kWh
Annual electricity consumption for water heating, warm climate	1540		kWh
Seasonal space heating energy efficiency, cold climate:	130	105	%
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	II		
Controller contribution to efficiency	2,0		%
Seasonal space heating energy efficiency of package, average climate:	161	119	%
Seasonal space heating energy efficiency class for package, average climate:	A++	A+	%
Seasonal space heating energy efficiency of package, cold climate:	132	107	%
Seasonal space heating energy efficiency of package, warm climate:	227	182	%

Model(s):				AMS 10-8 +ACVM270								
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	7,0	kW		Seasonal space heating energy efficiency				
								η_s	117	%		
<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	4,8	kW		Tj = -7 °C	COPd	1,92	-				
Tj = +2 °C	Pdh	3,8	kW		Tj = +2 °C	COPd	3,00	-				
Tj = +7 °C	Pdh	2,4	kW		Tj = +7 °C	COPd	4,09	-				
Tj = +12 °C	Pdh	2,3	kW		Tj = +12 °C	COPd	5,71	-				
Tj = biv	Pdh	5,1	kW		Tj = biv	COPd	2,23	-				
Tj = TOL	Pdh	4,8	kW		Tj = TOL	COPd	1,91	-				
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		-				
Bivalent temperature				T _{biv}	-4,5	°C		Operation limit temperature				
Cycling interval capacity for heating				P _{cyc}		kW		Cycling interval efficiency				
Degradation co-efficient				Cdh	0,97	-		Heating water operating limit				
								TOL	-10	°C		
								COP _{cyc}		-		
								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}	2,2	kW	
Thermostat-off mode	P _{TO}	0,01	kW									
Standby mode	P _{SB}	0,015	kW		Type of energy input				Electric			
Crankcase heater mode	P _{CK}	0,03	kW									
<i>Other items</i>												
Capacity control				variable				Rated air flow rate, outdoors				
									3000	m ³ /h		
Sound power level, indoors/outdoors				L _{WA}	35/55	dB		Rated water flow rate, indoor heat exchanger				
									0,57	m ³ /h		
Annual energy consumption				Q _{HE}	4821	kWh		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}	99	%		
Daily electricity consumption				Q _{elec}	7,69	kWh		Daily fuel consumption				
Annual electricity consumption				AEC	1689	kWh		Annual fuel consumption				
								Q _{fuel}		kWh		
								AFC		GJ		
Approved by:												
Contact details				© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								