


Product fiche

Supplier's name:	NIBE		
Model:	NIBE S1255-6		
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	5,5	kW
Annual energy consumption for space heating, average climate	2188	2875	kWh
Annual electricity consumption for water heating, average climate	1642		kWh
Seasonal space heating energy efficiency, average climate:	200	150	%
Water heating energy efficiency, average climate:	102		%
Sound power level LWA indoors	42	42	dB
Rated heat output, cold climate:	5,5	5,5	kW
Rated heat output, warm climate:	5,5	5,5	kW
Annual energy consumption for space heating, cold climate	2481	3287	kWh
Annual electricity consumption for water heating, cold climate	1642		kWh
Annual energy consumption for space heating, warm climate	1408	1852	kWh
Annual electricity consumption for water heating, warm climate	1642		kWh
Seasonal space heating energy efficiency, cold climate:	211	157	%
Water heating energy efficiency, cold climate:	102		%
Seasonal space heating energy efficiency, warm climate:	201	151	%
Water heating energy efficiency, warm climate:	102		%
Sound power level LWA outdoors	-	-	dB

Data for package fiche

Controller class	VI		
Controller contribution to efficiency	4		%
Seasonal space heating energy efficiency of package, average climate:	204	154	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	215	161	%
Seasonal space heating energy efficiency of package, warm climate:	205	155	%

Model(s):		NIBE S1255-6							
Type of heat source/sink:		Brine-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	5,5	kW	Seasonal space heating energy efficiency		η_s	150	%
<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	5,0	kW	Tj = -7 °C	COPd	3,06		-	
Tj = +2 °C	Pdh	3,0	kW	Tj = +2 °C	COPd	3,97		-	
Tj = +7 °C	Pdh	2,0	kW	Tj = +7 °C	COPd	4,63		-	
Tj = +12 °C	Pdh	1,2	kW	Tj = +12 °C	COPd	4,86		-	
Tj = biv	Pdh	5,4	kW	Tj = biv	COPd	2,84		-	
Tj = TOL	Pdh	5,4	kW	Tj = TOL	COPd	2,84		-	
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd			-	
Bivalent temperature				T _{biv}	-10	°C	Operation limit temperature		
Cycling interval capacity for heating				P _{cyh}		kW	Cycling interval efficiency		
Degradation co-efficient				Cdh	0,99	-	Heating water operating limit		
<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}	0,1	kW	
Thermostat-off mode	P _{TO}	0,007	kW						
Standby mode	P _{SB}	0,007	kW	Type of energy input		Electric			
Crankcase heater mode	P _{CK}	0,009	kW						
<i>Other items</i>									
Capacity control		variable		Rated air flow rate, outdoors				m ³ /h	
Sound power level, indoors/outdoors		L _{WA}	42/-	dB	Rated brine or water flow rate, outdoor heat exchanger			0,68	m ³ /h
Annual energy consumption		Q _{HE}	2875	kWh					
<i>For heat pump combination heater:</i>									
Declared load profile		XL			Water heating energy efficiency		η_{wh}	102	%
Daily electricity consumption		Q _{elec}	7,48	kWh	Daily fuel consumption		Q _{fuel}		kWh
Annual electricity consumption		AEC	1642	kWh	Annual fuel consumption		AFC		GJ
Approved by:									
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