

Supplier's name:	NIBE AB		
Model:	NIBE S2125-16		
Temperature application	35	55	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	A+++	A+++	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	11,0	11,0	kW
Annual energy consumption for space heating, average climate	4264	5571	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	210	160	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors			dB
Rated heat output, cold climate:	13,0	14,0	kW
Rated heat output, warm climate:	13,0	13,0	kW
Annual energy consumption for space heating, cold climate	7170	9638	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	2903	3627	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	176	140	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	236	189	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	55		dB

Data for package fiche SMO

Controller class	CLASS VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	214	164	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	180	144	%
Seasonal space heating energy efficiency of package, warm climate:	240	193	%

Model(s):				NIBE S2125-16								
Type of heat source/sink:				Air/water								
Low-temperature heat pump:				No								
Equipped with supplementary heater:				No								
Heat pump combination heater:				No								
Climate condition:				Average								
Temperature application:				Medium temperature (55 °C)								
Applied standards: EN 14825:2022, EN 12102-1:2022												
Rated heat output			Prated	11,0	kW	Seasonal space heating energy efficiency			ηs	160	%	
<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	9,6	kW	Tj = -7 °C			COPd	2,49				
Tj = +2 °C	Pdh	5,8	kW	Tj = +2 °C			COPd	4,07				
Tj = +7 °C	Pdh	5,1	kW	Tj = +7 °C			COPd	5,25				
Tj = +12 °C	Pdh	5,7	kW	Tj = +12 °C			COPd	6,25				
Tj = biv	Pdh	10,5	kW	Tj = biv			COPd	2,16				
Tj = TOL	Pdh	10,5	kW	Tj = TOL			COPd	2,16				
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)			COPd					
Bivalent temperature	Tbiv	-10	°C	Operation limit temperature			TOL	-10	°C			
Cycling interval capacity for heating	Pcyh		kW	Cycling interval efficiency			COPcyc		-			
Degradation co-efficient	Cdh	0,98	-	Heating water operating limit			WTOL	65	°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	0,0	kW			
Thermostat-off mode	P _{TO}	0,014	kW	Type of energy input							Electric	
Standby mode	P _{SB}	0,010	kW									
Crankcase heater mode	P _{CK}	0,011	kW									
<i>Other items</i>												
Capacity control	Variable			Rated air flow rate, outdoors				2900	m³/h			
Sound power level, indoors/outdoors	L _{WA}	-/55	dB	Rated water flow rate, indoor heat exchanger					m³/h			
Annual energy consumption	Q _{HE}	5571	kWh	Rated brine or water flow rate, outdoor heat exchanger					m³/h			
<i>For heat pump combination heater:</i>												
Declared load profile						Water heating energy efficiency			η _{wh}		%	
Daily electricity consumption	Q _{elec}					kWh	Daily fuel consumption			Q _{fuel}		kWh
Annual electricity consumption	AEC					kWh	Annual fuel consumption			AFC		GJ
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