

Supplier's name:	NIBE AB		
Model:	NIBE S2125-12		
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:	6,8	7,6	kW
Annual energy consumption for space heating, average climate	2835	4102	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	195	150	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	0		dB
Rated heat output, cold climate:	8,4	8,4	kW
Rated heat output, warm climate:	7,0	7,5	kW
Annual energy consumption for space heating, cold climate	4990	6189	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	1494	2180	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	163	131	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	247	180	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	49		dB

Data for package fiche with SMO

Controller class	VI		
Controller contribution to efficiency	4		%
Seasonal space heating energy efficiency of package, average climate:	199	154	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	167	135	%
Seasonal space heating energy efficiency of package, warm climate:	251	184	%

Model(s):		NIBE S2125-12							
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: EN14825 - EN12102-1									
Rated heat output		Prated	7,6	kW	Seasonal space heating energy efficiency		ηs	150	%
Declared capacity for part load at outdoor temperature TJ				Declared coefficient of performance for part load at outdoor temperature TJ					
Tj = -7 °C	Pdh	6,7	kW	Tj = -7 °C	COPd	2,17			
Tj = +2 °C	Pdh	4,2	kW	Tj = +2 °C	COPd	3,83			
Tj = +7 °C	Pdh	2,7	kW	Tj = +7 °C	COPd	5,12			
Tj = +12 °C	Pdh	2,4	kW	Tj = +12 °C	COPd	5,87			
Tj = biv	Pdh	7,6	kW	Tj = biv	COPd	2,11			
Tj = TOL	Pdh	7,6	kW	Tj = TOL	COPd	2,11			
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	Pcych		kW	Cycling interval efficiency		COPcyc		-	
Degradation co-efficient	Cdh	0,97	-	Heating water operating limit		WTOL	65	°C	
Power consumption in modes other than active mode				Supplementary heater					
Off mode	P _{OFF}	0,008	kW	Rated heat output		Psup	0,0	kW	
Thermostat-off mode	P _{TO}	0,013	kW						
Standby mode	P _{SB}	0,011	kW	Type of energy input		Electric			
Crankcase heater mode	P _{CK}	0,0045	kW						
Other items									
Capacity control	Variable			Rated air flow rate, outdoors				m³/h	
Sound power level, indoors/outdoors	L _{WA}	0/49	dB	Rated water flow rate, indoor heat exchanger				m³/h	
Annual energy consumption	Q _{HE}	4102	kWh	Rated brine or water flow rate, outdoor heat exchanger			2900,00	m³/h	
For heat pump combination heater:									
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	
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							