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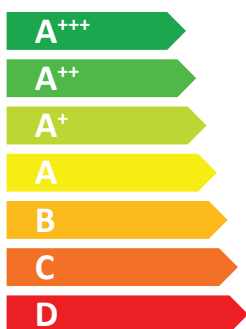
NIBE

NIBE S1157-13



55 °C

35 °C



A+++

A+++



43 dB



dB

■ 12
■ **12**
■ 12
kW

■ 12
■ **12**
■ 12
kW



2019

811/2013



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Y

IJA

IE

IA

NIBE

NIBE S1157-13



A⁺⁺⁺

A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

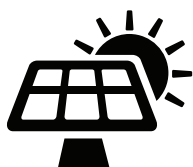
D

E

F

G

+



+



+



+



Supplier's name:	NIBE AB		
Model:	NIBE S1157-13		
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:	12	12	kW
Annual energy consumption for space heating, average climate	4350	5707	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	214	161	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	43		dB
Rated heat output, cold climate:	12	12	kW
Rated heat output, warm climate:	12	12	kW
Annual energy consumption for space heating, cold climate	5082	6611	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	2850	3691	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	219	166	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	211	161	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors			dB

Data for package fiche

Controller class	CLASS VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	218	165	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	223	170	%
Seasonal space heating energy efficiency of package, warm climate:	215	165	%

Model(s):				NIBE S1157-13				NIBE			
Type of heat source/sink:				Brine/water							
Low-temperature heat pump:				No							
Equipped with supplementary heater:				Yes							
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	11,7	kW	Seasonal space heating energy efficiency			η_s	161	%
Declared capacity for part load at outdoor temperature Tj						Declared coefficient of performance for part load at outdoor temperature Tj					
Tj = -7 °C			Pdh	10,5	kW	Tj = -7 °C			COPd	3,32	
Tj = +2 °C			Pdh	6,5	kW	Tj = +2 °C			COPd	4,30	
Tj = +7 °C			Pdh	3,9	kW	Tj = +7 °C			COPd	4,82	
Tj = +12 °C			Pdh	2,5	kW	Tj = +12 °C			COPd	4,90	
Tj = biv			Pdh	11,8	kW	Tj = biv			COPd	3,04	
Tj = TOL			Pdh	11,8	kW	Tj = TOL			COPd	3,04	
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			TOL	-10	°C
Cycling interval capacity for heating			P _{cych}		kW	Cycling interval efficiency			COP _{cyc}		-
Degradation co-efficient			Cdh	0,98	-	Heating water operating limit			WTOL	70	°C
Power consumption in modes other than active mode						Supplementary heater					
Off mode			P _{OFF}	0,004	kW	Rated heat output			P _{sup}	0,0	kW
Thermostat-off mode			P _{TO}	0,010	kW						
Standby mode			P _{SB}	0,010	kW	Type of energy input			Electric		
Crankcase heater mode			P _{CK}	0,010	kW						
Other items											
Capacity control			Variable			Rated air flow rate, outdoors					m³/h
Sound power level, indoors/outdoors			L _{WA}	43/-	dB	Rated water flow rate, indoor heat exchanger					m³/h
Annual energy consumption			Q _{HE}	5707	kWh	Rated brine or water flow rate, outdoor heat exchanger				2	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
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Model(s):				NIBE S1157-13				NIBE			
Type of heat source/sink:				Brine/water							
Low-temperature heat pump:				No							
Equipped with supplementary heater:				Yes							
Heat pump combination heater:				No							
Climate condition:				Average							
Temperature application:				Low temperature (35 °C)							
Applied standards: EN 14825:2022, EN 12102-1:2022											
Rated heat output			Prated	11,7	kW	Seasonal space heating energy efficiency			ηs	214	%
Declared capacity for part load at outdoor temperature Tj						Declared coefficient of performance for part load at outdoor temperature Tj					
Tj = -7 °C			Pdh	10,0	kW	Tj = -7 °C			COPd	4,71	
Tj = +2 °C			Pdh	6,3	kW	Tj = +2 °C			COPd	5,71	
Tj = +7 °C			Pdh	4,1	kW	Tj = +7 °C			COPd	6,10	
Tj = +12 °C			Pdh	2,5	kW	Tj = +12 °C			COPd	5,89	
Tj = biv			Pdh	11,8	kW	Tj = biv			COPd	4,50	
Tj = TOL			Pdh	11,8	kW	Tj = TOL			COPd	4,50	
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	0,98	-	Heating water operating limit			WTOL	70	°C
Power consumption in modes other than active mode						Supplementary heater					
Off mode			P _{OFF}	0,004	kW	Rated heat output			Psup	0,0	kW
Thermostat-off mode			P _{TO}	0,010	kW						
Standby mode			P _{SB}	0,010	kW	Type of energy input			Electric		
Crankcase heater mode			P _{CK}	0,010	kW						
Other items											
Capacity control			Variable			Rated air flow rate, outdoors					m³/h
Sound power level, indoors/outdoors			L _{WA}		dB	Rated water flow rate, indoor heat exchanger					m³/h
Annual energy consumption			Q _{HE}	4350	kWh	Rated brine or water flow rate, outdoor heat exchanger				3	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
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