



**ENERG**  
енергия · ενεργεια



**NIBE**

NIBE S1156-13 W/W



55 °C

35 °C



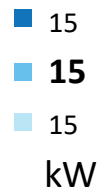
**39** dB



dB



kW



kW



2019

811/2013



# ENERG

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Y

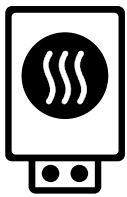
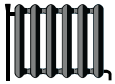
IJA

IE

IA

**NIBE**

## NIBE S1156-13 W/W



A<sup>+++</sup>

A<sup>+++</sup>

A<sup>+++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

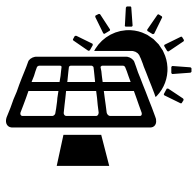
D

E

F

G

+



+



+




+



Supplier's name:	NIBE AB		
Model:	NIBE S1156-13 W-W		
Temperature application	35	55	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	<b>A+++</b>	<b>A+++</b>	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	15,0	15,0	kW
Annual energy consumption for space heating, average climate	3544	5155	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	342	232	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	39		dB
Rated heat output, cold climate:	15,0	15,0	kW
Rated heat output, warm climate:	15,0	15,0	kW
Annual energy consumption for space heating, cold climate	3907	5817	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	2198	3224	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	371	246	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	357	241	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors			dB

#### Data for package fiche with

Controller class	CLASS VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	346	236	%
Seasonal space heating energy efficiency class for package, average climate:	<b>A+++</b>	<b>A+++</b>	%
Seasonal space heating energy efficiency of package, cold climate:	375	250	%
Seasonal space heating energy efficiency of package, warm climate:	361	245	%

<b>Model(s):</b>		<b>NIBE S1156-13 W-W</b>								
Type of heat source/sink:		Water/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 - EN16147 - EN12102-1										
<b>Rated heat output</b>		Prated	15,0	kW	<b>Seasonal space heating energy efficiency</b>		$\eta_s$	232	%	
<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	13,3	kW	Tj = -7 °C	COPd	4,11				
Tj = +2 °C	Pdh	8,2	kW	Tj = +2 °C	COPd	5,78				
Tj = +7 °C	Pdh	5,3	kW	Tj = +7 °C	COPd	7,57				
Tj = +12 °C	Pdh	3,3	kW	Tj = +12 °C	COPd	10,27				
Tj = biv	Pdh	15,1	kW	Tj = biv	COPd	3,75				
Tj = TOL	Pdh	15,1	kW	Tj = TOL	COPd	3,75				
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd					
Bivalent temperature				T <sub>biv</sub>	-10	°C	Operation limit temperature			
Cycling interval capacity for heating				P <sub>cyh</sub>		kW	Cycling interval efficiency		COP <sub>cyh</sub>	-
Degradation co-efficient				Cdh	0,94	-	Heating water operating limit		WTOL	65 °C
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>						
Off mode	P <sub>OFF</sub>	0,004	kW	Rated heat output		P <sub>sup</sub>	0,0	kW		
Thermostat-off mode	P <sub>TO</sub>	0,020	kW							
Standby mode	P <sub>SB</sub>	0,010	kW	Type of energy input		Electric				
Crankcase heater mode	P <sub>CK</sub>	0,008	kW							
<i>Other items</i>										
Capacity control		Variable		Rated air flow rate, outdoors				m <sup>3</sup> /h		
Sound power level, indoors/outdoors		L <sub>WA</sub>	39/-	dB	Rated water flow rate, indoor heat exchanger			m <sup>3</sup> /h		
Annual energy consumption		Q <sub>HE</sub>	5155	kWh	Rated brine or water flow rate, outdoor heat exchanger		N/A	m <sup>3</sup> /h		
<i>For heat pump combination heater:</i>										
<b>Declared load profile</b>				<b>Water heating energy efficiency</b>		$\eta_{wh}$		%		
Daily electricity consumption				Q <sub>elec</sub>		kWh	Daily fuel consumption		Q <sub>fuel</sub>	kWh
Annual electricity consumption				AEC		kWh	Annual fuel consumption		AFC	GJ
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