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NIBE NIBE S1156-18 W/W

	55 °C	35 °C
	A+++	A+++

A+++
A++
A+
A
B
C
D

39 dB

dB

	20	20
	20	**20**
	20	20
	kW	kW

2019 811/2013

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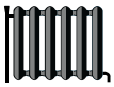
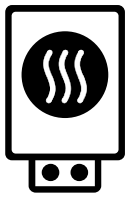
Y IJA IE IA

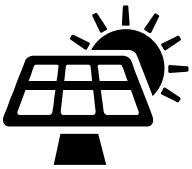
NIBE

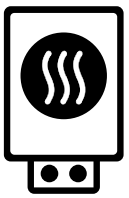
NIBE S1156-18 W/W





A+++





A+++

A++

A+

A

B

C

D

E

F

G

2015

811/2013

Supplier's name:	NIBE AB		
Model:	NIBE S1156-18 W-W		
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:	19,5	19,5	kW
Annual energy consumption for space heating, average climate	4781	6836	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	329	228	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	39		dB
Rated heat output, cold climate:	19,5	19,5	kW
Rated heat output, warm climate:	19,5	19,5	kW
Annual energy consumption for space heating, cold climate	5347	7684	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	3076	4329	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	352	242	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	331	233	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors			dB

Data for package fiche with

Controller class	CLASS VI		
Controler contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	333	232	%
Seasonal space heating energy efficiency class for package, average climate:	**A+++**	**A+++**	%
Seasonal space heating energy efficiency of package, cold climate:	356	246	%
Seasonal space heating energy efficiency of package, warm climate:	335	237	%

Model(s):		**NIBE S1156-18 W-W**						
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								
Rated heat output	Prated	19,5	kW		**Seasonal space heating energy efficiency**	η_s	228	%
Declared capacity for part load at outdoor temperature Tj					*Declared coefficient of performance for part load at outdoor temperature Tj*			
Tj = -7 °C	Pdh	17,3	kW		Tj = -7 °C	COPd	4,04	
Tj = +2 °C	Pdh	10,6	kW		Tj = +2 °C	COPd	5,79	
Tj = +7 °C	Pdh	6,9	kW		Tj = +7 °C	COPd	7,56	
Tj = +12 °C	Pdh	4,6	kW		Tj = +12 °C	COPd	8,01	
Tj = biv	Pdh	20,0	kW		Tj = biv	COPd	3,72	
Tj = TOL	Pdh	20,0	kW		Tj = TOL	COPd	3,72	
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	Pcych		kW		Cycling interval efficiency	COPcyc		-
Degradation co-efficient	Cdh	0,96	-		Heating water operating limit	WTOL	65	°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}	0,025	kW					
Standby mode	P_{SB}	0,009	kW		Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0,012	kW					
Other items								
Capacity control	Variable				Rated air flow rate, outdoors			m^3/h
Sound power level, indoors/outdoors	L_{WA}	39/-	dB		Rated water flow rate, indoor heat exchanger			m^3/h
Annual energy consumption	Q_{HE}	6836	kWh		Rated brine or water flow rate, outdoor heat exchanger		N/A	m^3/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
Contact details	**© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden**							