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NIBE

NIBE S1156-13



55 °C

35 °C



A+++

A+++



39 dB



dB

■ 11
■ **11**
■ 11
kW

■ 11
■ **11**
■ 11
kW



2019

811/2013

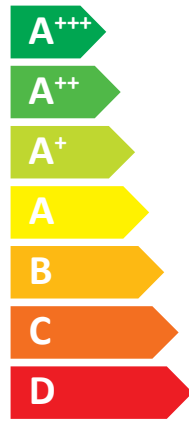
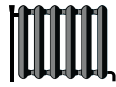


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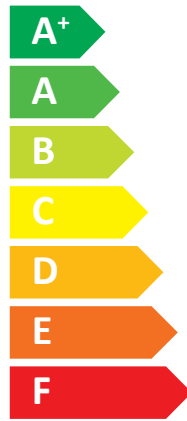
Y IJA
IE IA



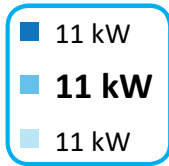
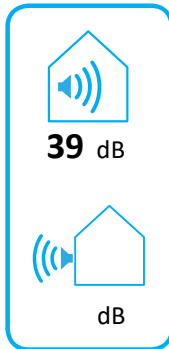
NIBE S1156-13 + VPB S300



A+++



A+



2019

811/2013



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Y

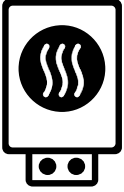




IJA

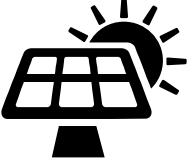
IE


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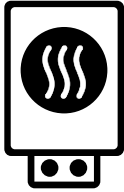
NIBE S1156-13 + VPB S300













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Supplier's name:	NIBE AB		
Model:	NIBE S1156-13 + VPB S300		
Temperature application	35	55	°C
Declared load profile for water heating	XL		
Seasonal space heating energy efficiency class, average climate:	A+++	A+++	
Water heating energy efficiency class, average climate:	A+		
Rated heat output, average climate:	11,0	11,0	kW
Annual energy consumption for space heating, average climate	3868	5303	kWh
Annual electricity consumption for water heating, average climate	1294		kWh
Seasonal space heating energy efficiency, average climate:	227	163	%
Water heating energy efficiency, average climate:	129		%
Sound power level LWA indoors	39		dB
Rated heat output, cold climate:	11,0	11,0	kW
Rated heat output, warm climate:	11,0	11,0	kW
Annual energy consumption for space heating, cold climate	4423	6081	kWh
Annual electricity consumption for water heating, cold climate	1294		kWh
Annual energy consumption for space heating, warm climate	2512	3413	kWh
Annual electricity consumption for water heating, warm climate	1294		kWh
Seasonal space heating energy efficiency, cold climate:	237	170	%
Water heating energy efficiency, cold climate:	129		%
Seasonal space heating energy efficiency, warm climate:	226	164	%
Water heating energy efficiency, warm climate:	129		%
Sound power level LWA outdoors			dB

Data for package fiche with SMO or VVM

Controller class	CLASS VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	231	167	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	241	174	%
Seasonal space heating energy efficiency of package, warm climate:	230	168	%

Model(s):		NIBE S1156-13 + VPB S300					
Type of heat source/sink:	Brine/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	11,0	kW	Seasonal space heating energy efficiency	η_s	163	%
<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	9,7	kW	Tj = -7 °C	COPd	3,34	
Tj = +2 °C	Pdh	6,0	kW	Tj = +2 °C	COPd	4,24	
Tj = +7 °C	Pdh	3,8	kW	Tj = +7 °C	COPd	5,01	
Tj = +12 °C	Pdh	2,5	kW	Tj = +12 °C	COPd	5,33	
Tj = biv	Pdh	11,0	kW	Tj = biv	COPd	3,09	
Tj = TOL	Pdh	11,0	kW	Tj = TOL	COPd	3,09	
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 _{cyh}		kW	Cycling interval efficiency	COP _{cyh}		-
Degradation co-efficient	Cdh	0,99	-	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}	0,004	kW	Rated heat output	P _{sup}	0,0	kW
Thermostat-off mode	P _{TO}	0,007	kW				
Standby mode	P _{SB}	0,010	kW	Type of energy input	Electric		
Crankcase heater mode	P _{CK}	0,008	kW				
<i>Other items</i>							
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}	5303	kWh	Rated brine or water flow rate, outdoor heat exchanger		2,20	m ³ /h
<i>For heat pump combination heater:</i>							
Declared load profile	XL			Water heating energy efficiency	η_{wh}	129	%
Daily electricity consumption	Q _{elec}	6,129	kWh	Daily fuel consumption	Q _{fuel}		kWh
Annual electricity consumption	AEC	1294	kWh	Annual fuel consumption	AFC		GJ
Contact details	© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden						