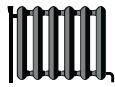




ENERGY

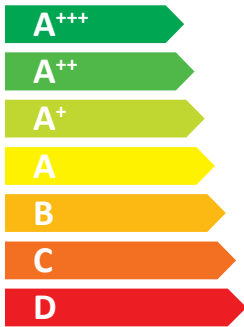


NIBE S1156-13



55 °C

35 °C



39 dB



dB

■ 11
■ 11
■ 11
kW

■ 11
■ 11
■ 11
kW



2019

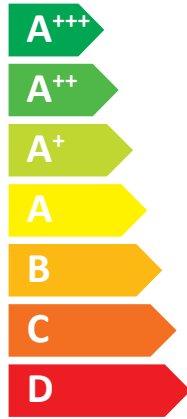
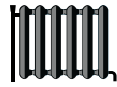
811/2013



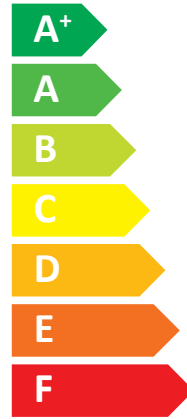
ENERGY



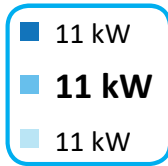
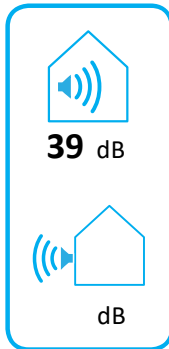
NIBE S1156-13 + VPB S300



A+++



A+





ENERGY

NIBE

NIBE S1156-13 + VPB S300

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+


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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		
Cycling interval capacity for heating				P _{cyh}		kW	Cycling interval efficiency		
Degradation co-efficient				Cdh	0,99	-	Heating water operating limit		
							WTOL		
							65		
							°C		
							-		
							°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					