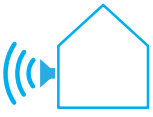
ENERGY

NIBE

NIBE S1156-18

	55 °C	35 °C
	A+++	A+++

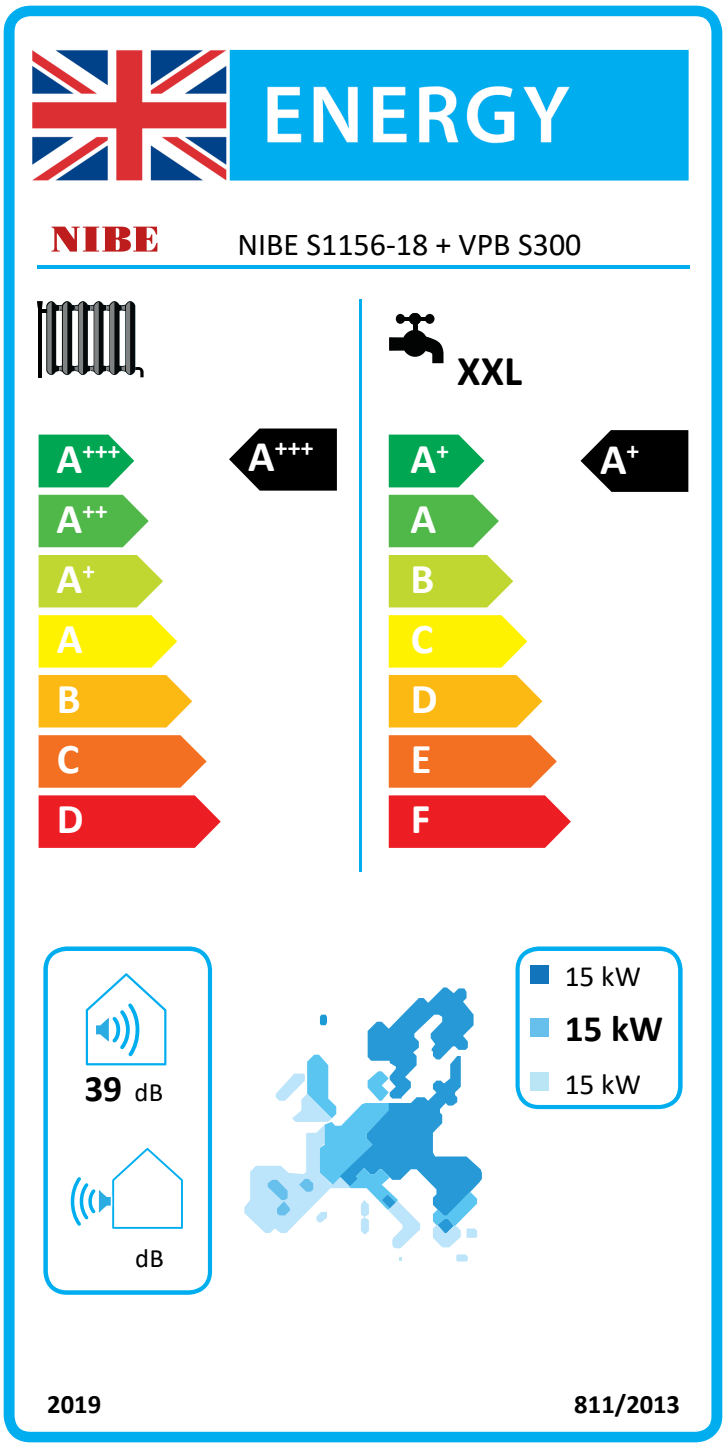
39 dB



dB

	55 °C	35 °C
	15	15
	15	**15**
	15	15
	kW	kW

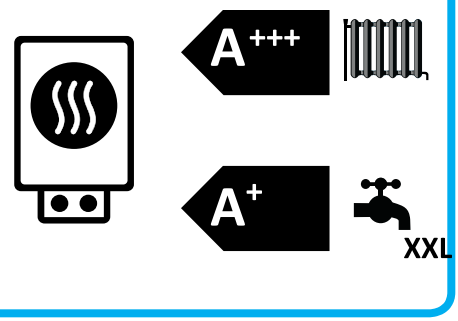
2019 **811/2013**

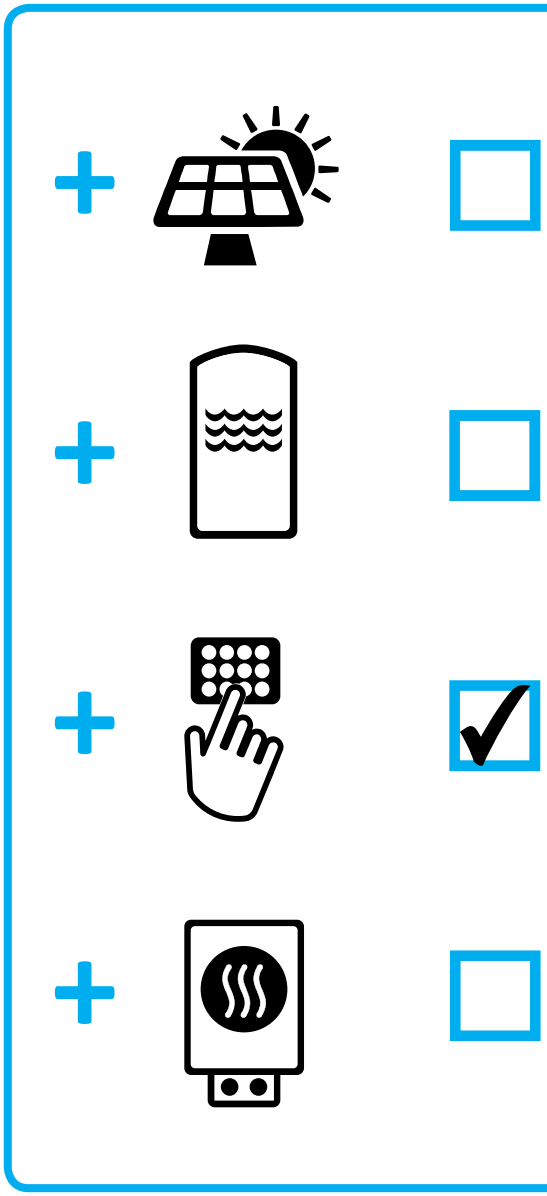

ENERGY
NIBE
NIBE S1156-18 + VPB S300
XXL
A+++
A++
A+
A
B
C
D
A+++
A+
A
B
C
D
E
F
A+
39 dB
dB
15 kW
15 kW
15 kW
2019
811/2013

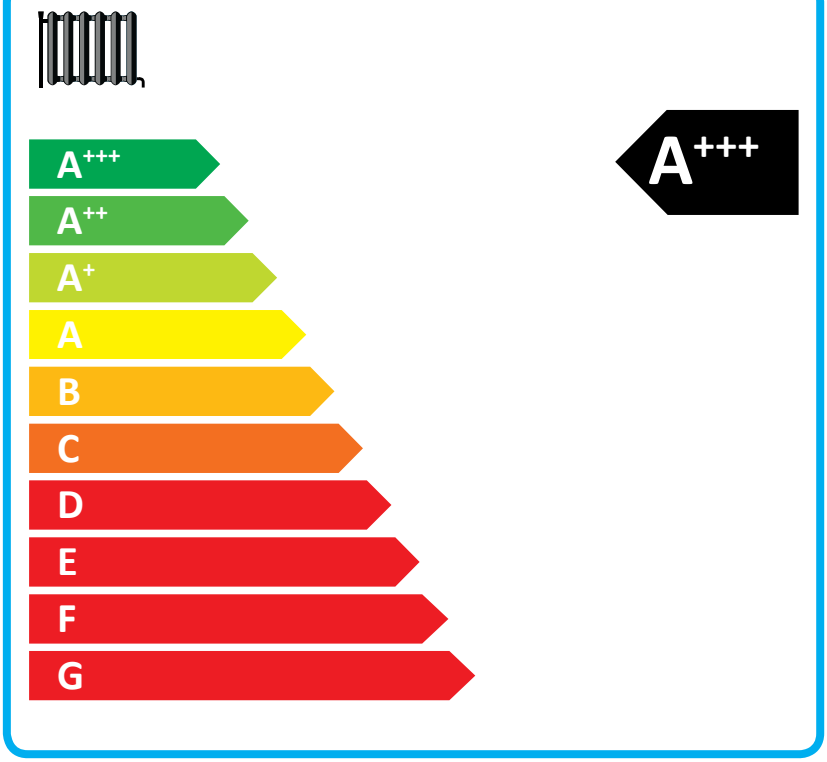
ENERGY

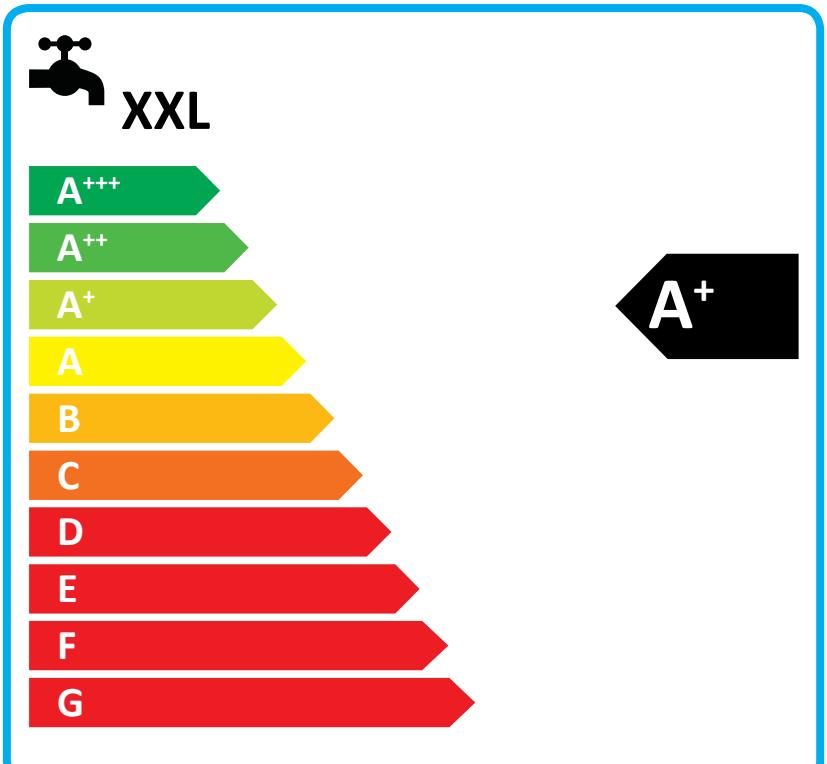
NIBE

NIBE S1156-18 + VPB S300









2015

811/2013

Supplier's name:	NIBE AB		
Model:	NIBE S1156-18 + VPB S300		
Temperature application	35	55	°C
Declared load profile for water heating	**XXL**		
Seasonal space heating energy efficiency class, average climate:	**A+++**	**A+++**	
Water heating energy efficiency class, average climate:	**A+**		
Rated heat output, average climate:	15,1	15,1	kW
Annual energy consumption for space heating, average climate	5252	7064	kWh
Annual electricity consumption for water heating, average climate	1636		kWh
Seasonal space heating energy efficiency, average climate:	230	169	%
Water heating energy efficiency, average climate:	132		%
Sound power level LWA indoors	39		dB
Rated heat output, cold climate:	15,1	15,1	kW
Rated heat output, warm climate:	15,1	15,1	kW
Annual energy consumption for space heating, cold climate	5988	8098	kWh
Annual electricity consumption for water heating, cold climate	1636		kWh
Annual energy consumption for space heating, warm climate	3352	4515	kWh
Annual electricity consumption for water heating, warm climate	1636		kWh
Seasonal space heating energy efficiency, cold climate:	241	176	%
Water heating energy efficiency, cold climate:	132		%
Seasonal space heating energy efficiency, warm climate:	233	171	%
Water heating energy efficiency, warm climate:	132		%
Sound power level LWA outdoors			dB

Data for package fiche with SMO or VVM

Controller class	CLASS VI		
Controler contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	234	173	%
Seasonal space heating energy efficiency class for package, average climate:	**A+++**	**A+++**	%
Seasonal space heating energy efficiency of package, cold climate:	245	180	%
Seasonal space heating energy efficiency of package, warm climate:	237	175	%

Model(s):		**NIBE S1156-18 + 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	15,1	kW		**Seasonal space heating energy efficiency**	η_s	169	%
Declared capacity for part load at outdoor temperature Tj					*Declared coefficient of performance for part load at outdoor temperature Tj*			
Tj = -7 °C	Pdh	13,7	kW		Tj = -7 °C	COPd	3,37	
Tj = +2 °C	Pdh	8,3	kW		Tj = +2 °C	COPd	4,36	
Tj = +7 °C	Pdh	5,4	kW		Tj = +7 °C	COPd	5,21	
Tj = +12 °C	Pdh	3,5	kW		Tj = +12 °C	COPd	5,66	
Tj = biv	Pdh	15,2	kW		Tj = biv	COPd	3,12	
Tj = TOL	Pdh	15,2	kW		Tj = TOL	COPd	3,12	
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	0,99	-		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}	0,005	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}	7064	kWh		Rated brine or water flow rate, outdoor heat exchanger		2,99	m^3/h
For heat pump combination heater:								
Declared load profile	**XXL**				**Water heating energy efficiency**	η_{wh}	132	%
Daily electricity consumption	Q_{elec}	7,449	kWh		Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC	1636	kWh		Annual fuel consumption	AFC		GJ
Contact details	**© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden**							