



ENERG
енергия · ενέργεια

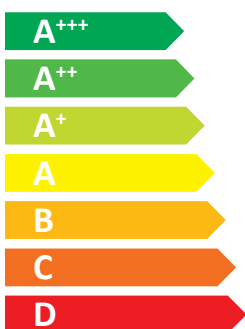


NIBE S1155-12



55 °C

35 °C



A+++

A+++



44 dB



dB

■ 12
■ **12**
■ 12
kW

■ 12
■ **12**
■ 12
kW



2019

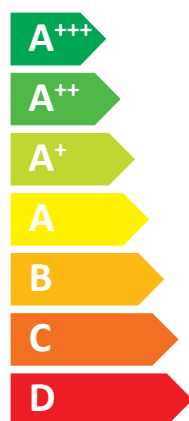
811/2013



ENERG
енергия · ενέργεια



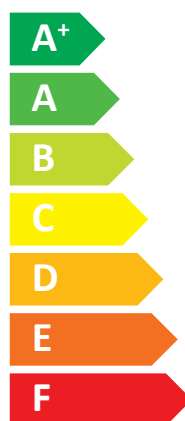
NIBE S1155-12 + VPB S300



A+++



XXL



A



44 dB



dB

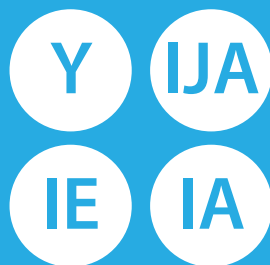


- 12 kW
- 12 kW
- 12 kW



ENERG

енергия · ενεργεια



NIBE

NIBE S1155-12 + VPB S300



A+++



A



A+++

A++

A+

A

B

C

D

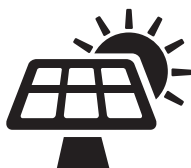
E

F

G

A+++

+



+



+



+



A+++

A++

A+

A

B

C

D

E

F

G

A

Product fiche

Supplier's name:	NIBE		
Model:	NIBE S1155-12 + 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:	12	12	kW
Annual energy consumption for space heating, average climate	4582	6213	kWh
Annual electricity consumption for water heating, average climate	2112		kWh
Seasonal space heating energy efficiency, average climate:	201	157	%
Water heating energy efficiency, average climate:	102		%
Sound power level LWA indoors	44	44	dB
Rated heat output, cold climate:	12	12	kW
Rated heat output, warm climate:	12	12	kW
Annual energy consumption for space heating, cold climate	5292	7173	kWh
Annual electricity consumption for water heating, cold climate	2112		kWh
Annual energy consumption for space heating, warm climate	2928	3999	kWh
Annual electricity consumption for water heating, warm climate	2112		kWh
Seasonal space heating energy efficiency, cold climate:	208	162	%
Water heating energy efficiency, cold climate:	102		%
Seasonal space heating energy efficiency, warm climate:	204	158	%
Water heating energy efficiency, warm climate:	102		%
Sound power level LWA outdoors	-	-	dB

Data for package fiche

Controller class	VI		
Controller contribution to efficiency	4		%
Seasonal space heating energy efficiency of package, average climate:	205	161	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	212	166	%
Seasonal space heating energy efficiency of package, warm climate:	208	162	%

Model(s):				NIBE S1155-12 + VPB S300							
Type of heat source/sink:				Brine-to-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 and EN16147											
Rated heat output			Prated	12,4	kW	Seasonal space heating energy efficiency			ηs	157	%
<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	11,1	kW	Tj = -7 °C			COPd	3,18	-
Tj = +2 °C			Pdh	6,8	kW	Tj = +2 °C			COPd	4,12	-
Tj = +7 °C			Pdh	4,4	kW	Tj = +7 °C			COPd	4,67	-
Tj = +12 °C			Pdh	2,6	kW	Tj = +12 °C			COPd	5,06	-
Tj = biv			Pdh	12,3	kW	Tj = biv			COPd	2,91	-
Tj = TOL			Pdh	12,3	kW	Tj = TOL			COPd	2,91	-
Tj = -15 °C (if TOL < -20 °C)			Pdh		kW	Tj = -15 °C (if TOL < -20 °C)			COPd		-
Bivalent temperature			Tbiv	-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
<i>Power consumption in modes other than active mode</i>						<i>Supplementary heater</i>					
Off mode			POFF	0,005	kW	Rated heat output			Psup	0,1	kW
Thermostat-off mode			Pto	0,015	kW						
Standby mode			PSB	0,007	kW	Type of energy input			Electric		
Crankcase heater mode			PCK	0	kW						
<i>Other items</i>											
Capacity control			variable			Rated air flow rate, outdoors					m³/h
Sound power level, indoors/outdoors			LWA	44/-	dB						
Annual energy consumption			QHE	6213	kWh	Rated brine or water flow rate, outdoor heat exchanger				1,46	m³/h
<i>For heat pump combination heater:</i>											
Declared load profile			XXL			Water heating energy efficiency			ηwh	102	%
Daily electricity consumption			Qelec	9,62	kWh	Daily fuel consumption			Qfuel		kWh
Annual electricity consumption			AEC	2112	kWh	Annual fuel consumption			AFC		GJ
Approved by:											
Contact details			© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								