



ENERG
енергия · ενέργεια

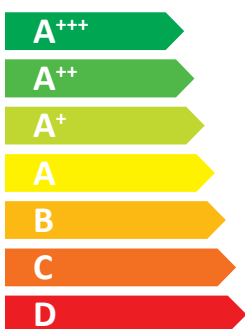


NIBE S1255-16



55 °C

35 °C



A+++

A+++



42 dB



dB

■ 16
■ **16**
■ 16
kW

■ 16
■ **16**
■ 16
kW



2019

811/2013

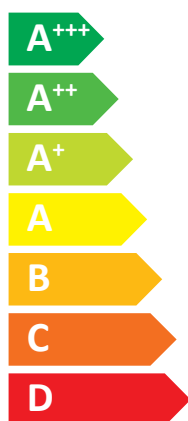


ENERG
енергия · ενέργεια

Y IJA
IE IA

NIBE

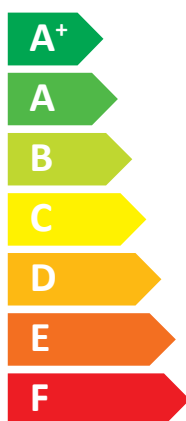
NIBE S1255-16



A+++



XL



A



42 dB



dB



■ 16 kW
■ 16 kW
■ 16 kW

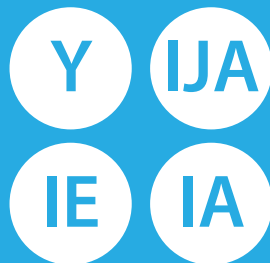
2019

811/2013



ENERG

енергия · ενεργεια



NIBE

NIBE S1255-16



A+++



A



A+++

A++

A+

A

B

C

D

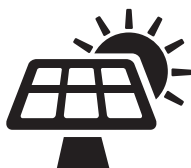
E

F

G

A+++

+



+



+



+



A+++

A++

A+

A

B

C

D

E

F

G

A

Product fiche

Supplier's name:	NIBE		
Model:	NIBE S1255-16		
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:	16	16	kW
Annual energy consumption for space heating, average climate	6373	8167	kWh
Annual electricity consumption for water heating, average climate	1709		kWh
Seasonal space heating energy efficiency, average climate:	199	154	%
Water heating energy efficiency, average climate:	98		%
Sound power level LWA indoors	42	42	dB
Rated heat output, cold climate:	16	16	kW
Rated heat output, warm climate:	16	16	kW
Annual energy consumption for space heating, cold climate	7218	9434	kWh
Annual electricity consumption for water heating, cold climate	1709		kWh
Annual energy consumption for space heating, warm climate	4169	5386	kWh
Annual electricity consumption for water heating, warm climate	1709		kWh
Seasonal space heating energy efficiency, cold climate:	211	159	%
Water heating energy efficiency, cold climate:	98		%
Seasonal space heating energy efficiency, warm climate:	197	151	%
Water heating energy efficiency, warm climate:	98		%
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:	203	158	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	215	163	%
Seasonal space heating energy efficiency of package, warm climate:	201	155	%

Model(s):				NIBE S1255-16							
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	16,0	kW	Seasonal space heating energy efficiency			ηs	154	%
<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	14,2	kW	Tj = -7 °C			COPd	3,0	-		
Tj = +2 °C	Pdh	8,7	kW	Tj = +2 °C			COPd	4,1	-		
Tj = +7 °C	Pdh	5,6	kW	Tj = +7 °C			COPd	4,9	-		
Tj = +12 °C	Pdh	5,5	kW	Tj = +12 °C			COPd	5,0	-		
Tj = biv	Pdh	15,4	kW	Tj = biv			COPd	2,8	-		
Tj = TOL	Pdh	15,4	kW	Tj = TOL			COPd	2,8	-		
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	Pcyh		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	0,002	kW	Rated heat output			Psup	0,6	kW		
Thermostat-off mode	Pto	0,02	kW								
Standby mode	Psb	0,007	kW	Type of energy input			Electric				
Crankcase heater mode	Pck	0,03	kW								
<i>Other items</i>											
Capacity control	variable			Rated air flow rate, outdoors					m³/h		
Sound power level, indoors/outdoors	Lwa	42/-	dB								
Annual energy consumption	Qhe	8167	kWh	Rated brine or water flow rate, outdoor heat exchanger				1,84	m³/h		
<i>For heat pump combination heater:</i>											
Declared load profile			XL		Water heating energy efficiency			ηwh	98	%	
Daily electricity consumption	Qelec	7,78	kWh	Daily fuel consumption			Qfuel		kWh		
Annual electricity consumption	AEC	1709	kWh	Annual fuel consumption			AFC		GJ		
Approved by:											
Contact details			© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								