



ENERG
енергия · ενέργεια



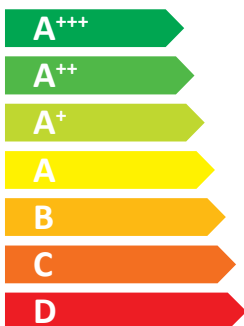
NIBE

NIBE F1253-4



55 °C

35 °C



A+++

A+++



42 dB



dB

■ 4
■ 4
■ 4
kW

■ 4
■ 4
■ 4
kW



2019

811/2013

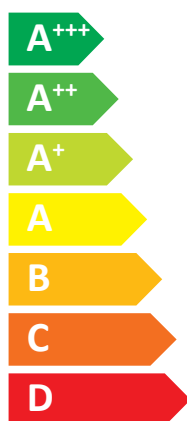


ENERG
енергия · ενέργεια



NIBE

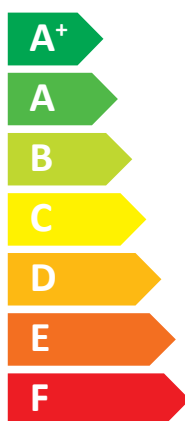
NIBE F1253-4



A+++



XL



A



42 dB



dB



■ 4 kW

■ **4 kW**

■ 4kW

2019

811/2013



ENERG

енергия · ενεργεια

Y

IJA

IE

IA

NIBE

NIBE F1253-4



A+++



A



A+++

A++

A+

A

B

C

D

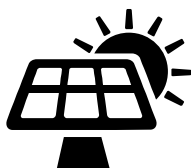
E

F

G

A+++

+



+



+



+



A+++

A++

A+

A

B

C

D

E

F

G

A

Supplier's name:	NIBE AB		
Model:	NIBE F1253-4		
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:	4	4	kW
Annual energy consumption for space heating, average climate	1695	2248	kWh
Annual electricity consumption for water heating, average climate	1643		kWh
Seasonal space heating energy efficiency, average climate:	202	150	%
Water heating energy efficiency, average climate:	102		%
Sound power level LWA indoors	42		dB
Rated heat output, cold climate:	4	4	kW
Rated heat output, warm climate:	4	4	kW
Annual energy consumption for space heating, cold climate	1928	2612	kWh
Annual electricity consumption for water heating, cold climate	1643		kWh
Annual energy consumption for space heating, warm climate	1108	1472	kWh
Annual electricity consumption for water heating, warm climate	1643		kWh
Seasonal space heating energy efficiency, cold climate:	212	154	%
Water heating energy efficiency, cold climate:	102		%
Seasonal space heating energy efficiency, warm climate:	199	148	%
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:	206	154	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	216	158	%
Seasonal space heating energy efficiency of package, warm climate:	203	152	%

Model(s):				NIBE F1253-4							
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	4,3	kW	Seasonal space heating energy efficiency			ηs	150	%
<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	3,9	kW	Tj = -7 °C			COPd	3,1	
Tj = +2 °C			Pdh	2,4	kW	Tj = +2 °C			COPd	4,0	
Tj = +7 °C			Pdh	1,6	kW	Tj = +7 °C			COPd	4,5	
Tj = +12 °C			Pdh	1,2	kW	Tj = +12 °C			COPd	4,7	
Tj = biv			Pdh	3,8	kW	Tj = biv			COPd	3,0	
Tj = TOL			Pdh	3,8	kW	Tj = TOL			COPd	3,0	
Tj = -15 °C (if TOL < -20 °C)			Pdh		kW	Tj = -15 °C (if TOL < -20 °C)			COPd		
Bivalent temperature			Tbiv	-9	°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	0,002	kW	Rated heat output			Psup	0,5	kW
Thermostat-off mode			Pto	0,002	kW						
Standby mode			PSB	0,002	kW	Type of energy input			Electric		
Crankcase heater mode			PCK	0,009	kW						
<i>Other items</i>											
Capacity control			Variable			Rated air flow rate, outdoors					m³/h
Sound power level, indoors/outdoors			LWA	42/-	dB	Rated water flow rate, indoor heat exchanger					m³/h
Annual energy consumption			QHE	2248	kWh	Rated brine or water flow rate, outdoor heat exchanger				0,51	m³/h
<i>For heat pump combination heater:</i>											
Declared load profile			XL			Water heating energy efficiency			ηwh	102	%
Daily electricity consumption			Qelec	7,48	kWh	Daily fuel consumption			Qfuel		kWh
Annual electricity consumption			AEC	1643	kWh	Annual fuel consumption			AFC		GJ
Approved by:											
Contact details			© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								