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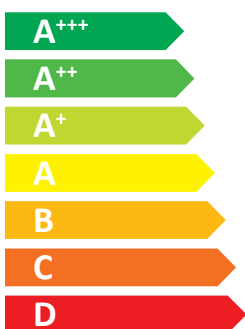
NIBE

NIBE F1153-4



55 °C

35 °C



A+++

A+++



42 dB



dB

■ 4
■ 4
■ 4
kW

■ 4
■ 4
■ 4
kW



2019

811/2013

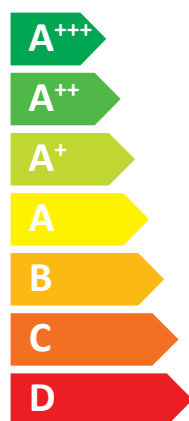


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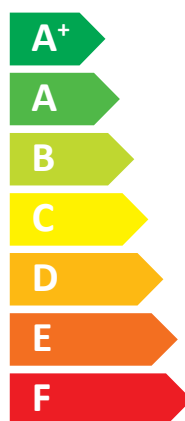


NIBE

NIBE F1153-4 + VPB300



A+++



A



42 dB



dB



■ 4 kW
■ 4 kW
■ 4 kW

2019

811/2013



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Y

IJA

IE

IA

NIBE

NIBE F1153-4 + VPB300



A+++



A



A+++

A++

A+

A

B

C

D

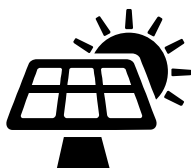
E

F

G

A+++

+



+



+



+



A+++

A++

A+

A

B

C

D

E

F

G


A

Product fiche

Supplier's name:	NIBE		
Model:	NIBE F1153-4 + VPB300		
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	1696	2248	kWh
Annual electricity consumption for water heating, average climate	1642		kWh
Seasonal space heating energy efficiency, average climate:	202	150	%
Water heating energy efficiency, average climate:	102		%
Sound power level LWA indoors	42	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	1930	2623	kWh
Annual electricity consumption for water heating, cold climate	1642		kWh
Annual energy consumption for space heating, warm climate	1109	1470	kWh
Annual electricity consumption for water heating, warm climate	1642		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 F1153-4 + VPB300		<div></div>					
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	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	3,13	kW		
Tj = +2 °C	Pdh	2,4	kW	Tj = +2 °C	COPd	4,03	kW		
Tj = +7 °C	Pdh	1,6	kW	Tj = +7 °C	COPd	4,53	kW		
Tj = +12 °C	Pdh	1,2	kW	Tj = +12 °C	COPd	4,66	kW		
Tj = biv	Pdh	3,8	kW	Tj = biv	COPd	2,95	kW		
Tj = TOL	Pdh	3,8	kW	Tj = TOL	COPd	2,95	kW		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW		
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	1,00	-	Heating water operating limit	WTOL	65	°C		
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>					
Off mode	P _{OFF}	0,002	kW	Rated heat output	Psup	0,5	kW		
Thermostat-off mode	P _{TO}	0,002	kW						
Standby mode	P _{SB}	0,002	kW	Type of energy input	Electric				
Crankcase heater mode	P _{CK}	0,009	kW						
<i>Other items</i>									
Capacity control	variable			Rated air flow rate, outdoors			m³/h		
Sound power level, indoors/outdoors	L _{WA}	42/-	dB						
Annual energy consumption	Q _{HE}	2248	kWh	Rated brine or water flow rate, outdoor heat exchanger		0,68	m³/h		
<i>For heat pump combination heater:</i>									
Declared load profile		XL		Water heating energy efficiency		η _{wh}	102	%	
Daily electricity consumption	Q _{elec}	7,48	kWh	Daily fuel consumption	Q _{fuel}		kWh		
Annual electricity consumption	AEC	1642	kWh	Annual fuel consumption	AFC		GJ		
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							