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**NIBE**

NIBE F1155-12



55 °C

35 °C



**A++**

**A++**



**44** dB



dB

■ 12  
■ **12**  
■ 12  
kW

■ 12  
■ **12**  
■ 12  
kW



2015

811/2013



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Y IJA  
IE IA

**NIBE**

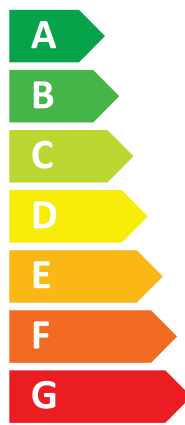
NIBE F1155-12 + VPB300



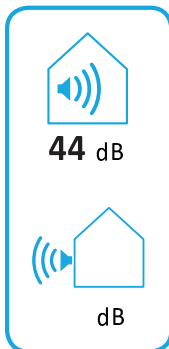
XXL



**A++**



**A**



2015

811/2013



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Y

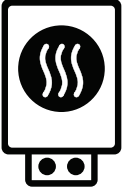




IJA

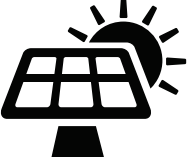
IE


IA


**NIBE**


## NIBE F1155-12 + VPB300

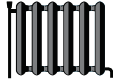











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## Product fiche

Supplier's name:	NIBE		
Model:	NIBE F1155-12 + VPB300		
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	%

<b>Model(s):</b>		<b>NIBE F1155-12 + VPB300</b>								
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										
<b>Rated heat output</b>		Prated	12,4	kW	<b>Seasonal space heating energy efficiency</b>		$\eta_s$	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				T <sub>biv</sub>	-10	°C	Operation limit temperature			
Cycling interval capacity for heating				P <sub>cyh</sub>		kW	Cycling interval efficiency		COP <sub>cyh</sub>	
Degradation co-efficient				Cdh	0,99	-	Heating water operating limit		WTOL	65
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>						
Off mode	P <sub>OFF</sub>	0,005	kW	Rated heat output		P <sub>sup</sub>	0,1	kW		
Thermostat-off mode	P <sub>TO</sub>	0,015	kW							
Standby mode	P <sub>SB</sub>	0,007	kW	Type of energy input		Electric				
Crankcase heater mode	P <sub>CK</sub>	0	kW							
<i>Other items</i>										
Capacity control		variable		Rated air flow rate, outdoors					m <sup>3</sup> /h	
Sound power level, indoors/outdoors		L <sub>WA</sub>	44/-	dB						
Annual energy consumption		Q <sub>HE</sub>	6213	kWh	Rated brine or water flow rate, outdoor heat exchanger			1,46	m <sup>3</sup> /h	
<i>For heat pump combination heater:</i>										
<b>Declared load profile</b>		<b>XXL</b>		<b>Water heating energy efficiency</b>		$\eta_{wh}$	102	%		
Daily electricity consumption		Q <sub>elec</sub>	9,62	kWh	Daily fuel consumption		Q <sub>fuel</sub>		kWh	
Annual electricity consumption		AEC	2112	kWh	Annual fuel consumption		AFC		GJ	
<b>Approved by:</b>										
<b>Contact details</b>		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								