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**NIBE**

NIBE F1255-16



55 °C

35 °C



**A++**

**A++**



**42** dB



dB

■ 16  
■ **16**  
■ 16  
kW

■ 16  
■ **16**  
■ 16  
kW



2015

811/2013



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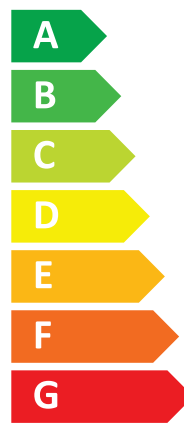
Y IJA  
IE IA

**NIBE**

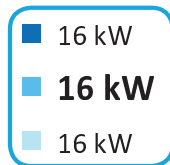
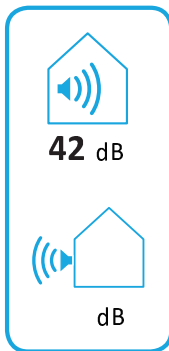
NIBE F1255-16



**A++**



**A**



2015

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Y

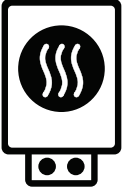




IJA

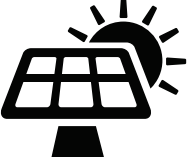
IE


IA


**NIBE**


## NIBE F1255-16

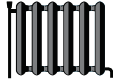











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## Product fiche

Supplier's name:	NIBE		
Model:	NIBE F1255-16		
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	%

<b>Model(s):</b>		<b>NIBE F1255-16</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	16,0	kW	<b>Seasonal space heating energy efficiency</b>		$\eta_s$	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				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>	0,002	kW	Rated heat output		P <sub>sup</sub>	0,6	kW		
Thermostat-off mode	P <sub>TO</sub>	0,02	kW							
Standby mode	P <sub>SB</sub>	0,007	kW	Type of energy input		Electric				
Crankcase heater mode	P <sub>CK</sub>	0,03	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>	42/-	dB						
Annual energy consumption		Q <sub>HE</sub>	8167	kWh	Rated brine or water flow rate, outdoor heat exchanger			1,84	m <sup>3</sup> /h	
<i>For heat pump combination heater:</i>										
<b>Declared load profile</b>		<b>XL</b>		<b>Water heating energy efficiency</b>		$\eta_{wh}$	98	%		
Daily electricity consumption		Q <sub>elec</sub>	7,78	kWh	Daily fuel consumption		Q <sub>fuel</sub>		kWh	
Annual electricity consumption		AEC	1709	kWh	Annual fuel consumption		AFC		GJ	
<b>Approved by:</b>										
<b>Contact details</b>		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								