



ENERG
енергия · ενεργεια

Y IJA
IE IA

NIBE

NIBE F1155-16



55 °C

35 °C



A++

A++



42 dB



dB

■ 16
■ **16**
■ 16
kW

■ 16
■ **16**
■ 16
kW



2015

811/2013

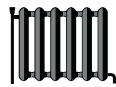


ENERG
енергия · ενέργεια

Y IJA
IE IA

NIBE

NIBE F1155-16 +VPB300



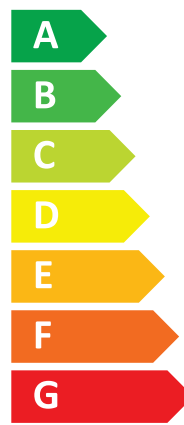
55°C



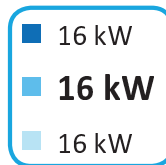
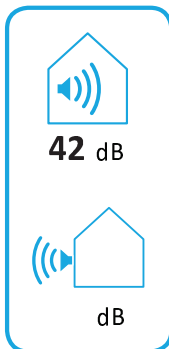
XXL



A++



A



2015

811/2013



ENERG

енергия · ενεργεια

Y

IJA

IE

IA

NIBE

NIBE F1155-16

 35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

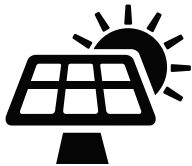
D

E

F

G

+



+



+



+





ENERG

енергия · ενέργεια

Y

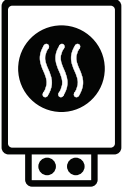




IJA

IE

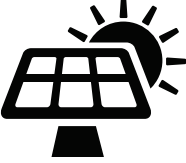
IA


NIBE


NIBE F1155-16 + VPB300








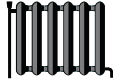
XXL

+ 




+ 

+ 



+ 



55 °C

XXL





Product fiche

Supplier's name:	NIBE		
Model:	NIBE F1155-16 (+ VPB 300)		
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:	16	16	kW
Annual energy consumption for space heating, average climate	6373	8167	kWh
Annual electricity consumption for water heating, average climate	2048		kWh
Seasonal space heating energy efficiency, average climate:	199	154	%
Water heating energy efficiency, average climate:	105		%
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	2048		kWh
Annual energy consumption for space heating, warm climate	4169	5386	kWh
Annual electricity consumption for water heating, warm climate	2048		kWh
Seasonal space heating energy efficiency, cold climate:	211	159	%
Water heating energy efficiency, cold climate:	105		%
Seasonal space heating energy efficiency, warm climate:	197	151	%
Water heating energy efficiency, warm climate:	105		%
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 F1155-16 (+ VPB 300)							
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		η_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	kW		
Tj = +2 °C	Pdh	8,7	kW	Tj = +2 °C	COPd	4,1	kW		
Tj = +7 °C	Pdh	5,6	kW	Tj = +7 °C	COPd	4,9	kW		
Tj = +12 °C	Pdh	5,5	kW	Tj = +12 °C	COPd	5,0	kW		
Tj = biv	Pdh	15,4	kW	Tj = biv	COPd	2,8	kW		
Tj = TOL	Pdh	15,4	kW	Tj = TOL	COPd	2,8	kW		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW		
Bivalent temperature				T _{biv}	-10	°C			
Cycling interval capacity for heating				P _{cyh}		kW			
Degradation co-efficient				Cdh	0,99	-			
<i>Power consumption in modes other than active mode</i>				<i>Supplementary heater</i>					
Off mode	P _{OFF}	0,002	kW	Rated heat output		P _{sup}	0,6	kW	
Thermostat-off mode	P _{TO}	0,02	kW						
Standby mode	P _{SB}	0,007	kW	Type of energy input		Electric			
Crankcase heater mode	P _{CK}	0,03	kW						
<i>Other items</i>									
Capacity control		variable		Rated air flow rate, outdoors				m ³ /h	
Sound power level, indoors/outdoors		L _{WA}	42/-	Rated brine or water flow rate, outdoor heat exchanger			1,84	m ³ /h	
Annual energy consumption		Q _{HE}	8167					kWh	
<i>For heat pump combination heater:</i>									
Declared load profile		XXL		Water heating energy efficiency		η_{wh}	105	%	
Daily electricity consumption		Q _{elec}	9,33	Daily fuel consumption		Q _{fuel}		kWh	
Annual electricity consumption		AEC	2048	Annual fuel consumption		AFC		GJ	
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							