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NIBE F1155-16

	55 °C	35 °C
	A++	A++

A++
A+
A
B
C
D
E
F
G

42 dB

dB

	16	16
	16	**16**
	16	16
	kW	kW

2015

811/2013

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NIBE F1155-16 +VPB300

XXL

A++
A+
A
B
C
D
E
F
G

A++

A
B
C
D
E
F
G

A

42 dB

dB

16 kW
16 kW
16 kW

2015

811/2013

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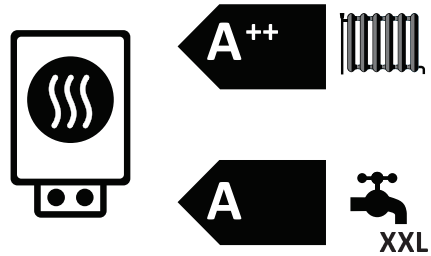
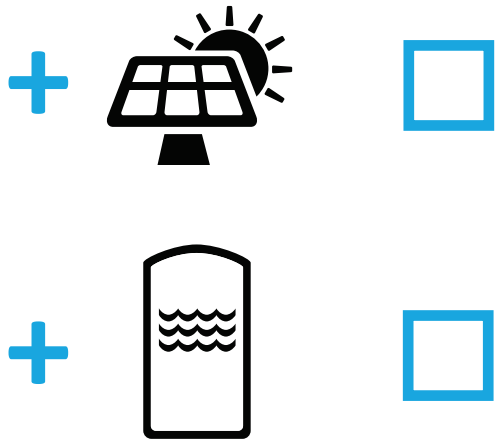
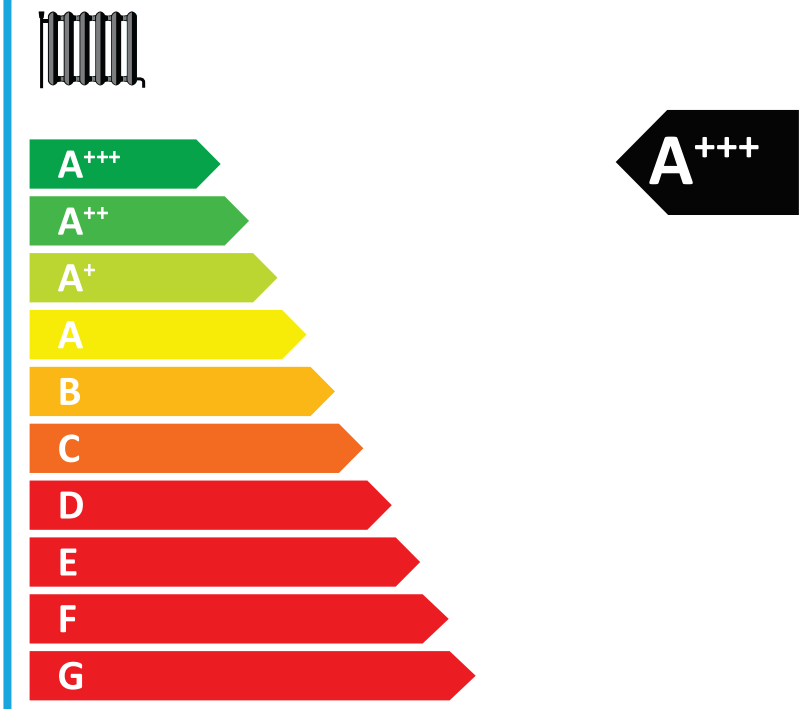
Y IJA IE IA

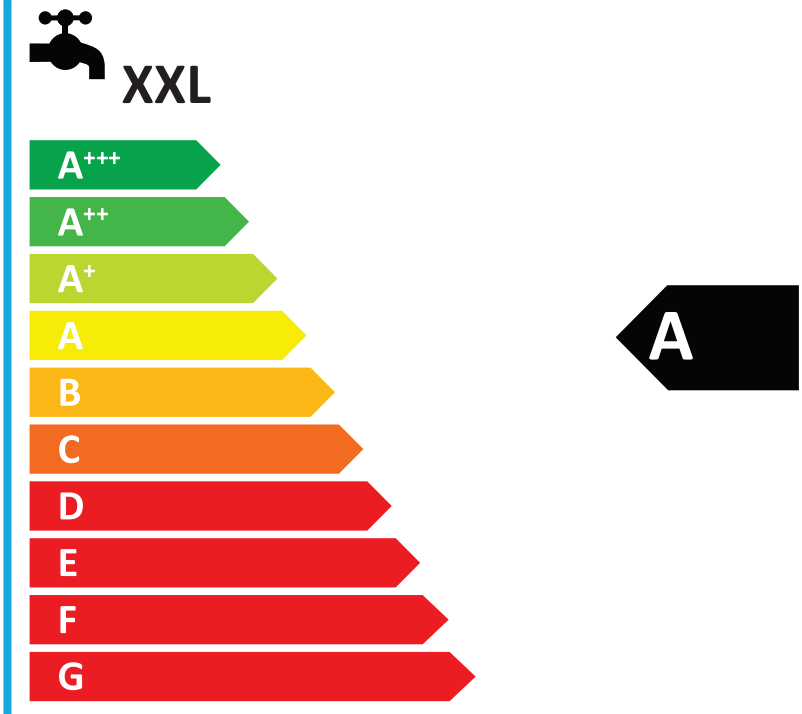
NIBE

NIBE F1155-16 + VPB300









2015

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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		
Controler 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	%
Declared capacity for part load at outdoor temperature Tj					*Declared coefficient of performance for part load at outdoor temperature Tj*			
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_{biv}	-10	°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
Power consumption in modes other than active mode					*Supplementary heater*			
Off mode	P_{OFF}	0,002	kW		Rated heat output	Psup	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					
Other items								
Capacity control	variable				Rated air flow rate, outdoors			m^3/h
Sound power level, indoors/outdoors	L_{WA}	42/-	dB					
Annual energy consumption	Q_{HE}	8167	kWh		Rated brine or water flow rate, outdoor heat exchanger		1,84	m^3/h
For heat pump combination heater:								
Declared load profile	**XXL**				**Water heating energy efficiency**	η_{wh}	105	%
Daily electricity consumption	Q_{elec}	9,33	kWh		Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC	2048	kWh		Annual fuel consumption	AFC		GJ
Approved by:								
Contact details	**© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden**							