

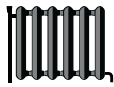


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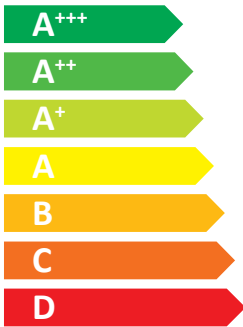
NIBE

NIBE F1145-15



55 °C

35 °C



A++

A++



43 dB



dB

■ 18
■ **18**
■ 18
kW

■ 18
■ **18**
■ 18
kW



2019

811/2013

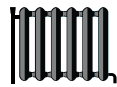


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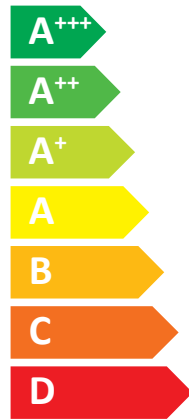
Y IJA
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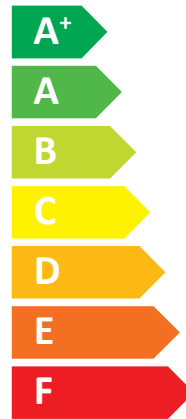
NIBE F1145-15 + VPB500



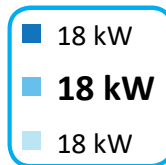
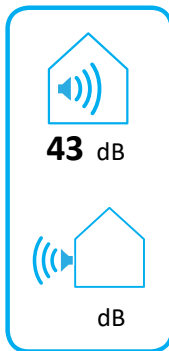
XXL



A++



A



2019

811/2013



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Y

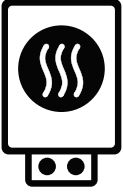




IJA

IE

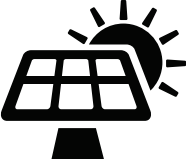
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NIBE


NIBE F1145-15 + VPB500








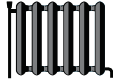



XXL

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XXL

Supplier's name:	NIBE		
Model:	NIBE F1145-15 (+VPB 500)		
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:	18	18	kW
Annual energy consumption for space heating, average climate	8134	10194	kWh
Annual electricity consumption for water heating, average climate	2283		kWh
Seasonal space heating energy efficiency, average climate:	175	138	%
Water heating energy efficiency, average climate:	94		%
Sound power level LWA indoors	43		dB
Rated heat output, cold climate:	18	18	kW
Rated heat output, warm climate:	18	18	kW
Annual energy consumption for space heating, cold climate	9454	11893	kWh
Annual electricity consumption for water heating, cold climate	2283		kWh
Annual energy consumption for space heating, warm climate	5333	6636	kWh
Annual electricity consumption for water heating, warm climate	2283		kWh
Seasonal space heating energy efficiency, cold climate:	180	141	%
Water heating energy efficiency, cold climate:	94		%
Seasonal space heating energy efficiency, warm climate:	172	137	%
Water heating energy efficiency, warm climate:	94		%
Sound power level LWA outdoors	-		dB

Data for package fiche

Controller class	VII		
Controler contribution to efficiency	3,5		%
Seasonal space heating energy efficiency of package, average climate:	178	141	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	183	145	%
Seasonal space heating energy efficiency of package, warm climate:	176	140	%

Model(s):		NIBE F1145-15 (+ VPB 500)							
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	18,0	kW	Seasonal space heating energy efficiency		η_s	138	%
<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	14,6	kW		Tj = -7 °C	COPd	3,16	-	
Tj = +2 °C	Pdh	14,8	kW		Tj = +2 °C	COPd	3,72	-	
Tj = +7 °C	Pdh	15,1	kW		Tj = +7 °C	COPd	4,01	-	
Tj = +12 °C	Pdh	15,4	kW		Tj = +12 °C	COPd	4,27	-	
Tj = biv	Pdh	14,6	kW		Tj = biv	COPd	3,27	-	
Tj = TOL	Pdh	14,6	kW		Tj = TOL	COPd	2,96	-	
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		-	
Bivalent temperature					Operation limit temperature				
	T _{biv}	-5,1	°C			TOL	-10	°C	
Cycling interval capacity for heating					Cycling interval efficiency				
	P _{cyh}		kW			COP _{cyh}		-	
Degradation co-efficient					Heating water operating limit				
	Cdh	0,99	-			WTOL	65	°C	
<i>Power consumption in modes other than active mode</i>					<i>Supplementary heater</i>				
Off mode					Rated heat output				
	P _{OFF}	0,002	kW			P _{sup}	3,4	kW	
Thermostat-off mode									
	P _{TO}	0,022	kW		Type of energy input				
Standby mode					Electric				
	P _{SB}	0,007	kW						
Crankcase heater mode									
	P _{CK}	0,035	kW						
<i>Other items</i>									
Capacity control					Rated air flow rate, outdoors				
		fixed							m ³ /h
Sound power level, indoors/outdoors					Rated water flow rate, indoor heat exchanger				
	L _{WA}	43/-	dB				1,57	m ³ /h	
Annual energy consumption					Rated brine or water flow rate, outdoor heat exchanger				
	Q _{HE}	10194	kWh				2,89	m ³ /h	
<i>For heat pump combination heater:</i>									
Declared load profile		XXL			Water heating energy efficiency		η_{wh}	94	%
Daily electricity consumption					Daily fuel consumption				
	Q _{elec}	10,39	kWh			Q _{fuel}		kWh	
Annual electricity consumption					Annual fuel consumption				
	AEC	2283	kWh			AFC		GJ	
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							