

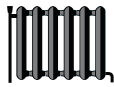


ENERG
енергия · ενεργεια

Y IJA
IE IA

NIBE

NIBE F1145-8



55 °C

35 °C



A++

A++



45 dB



dB

■ 8
■ 8
■ 8

kW

■ 9
■ 9
■ 9

kW



2015

811/2013



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NIBE

NIBE F1145-8 + VPB300



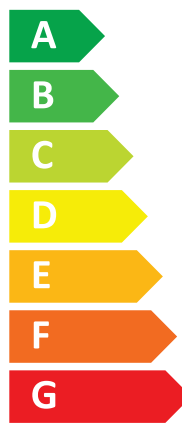
55°C



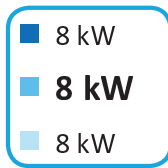
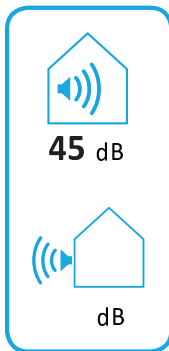
XXL



A++



A



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Y

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NIBE

NIBE F1145-8

 35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

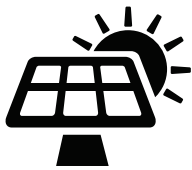
D

E

F

G

+



+



+



+





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Y

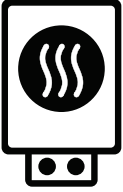




IJA

IE

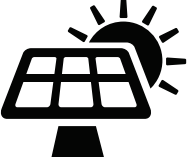
IA


NIBE


NIBE F1145-8 + VPB300








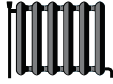
XXL

+ 




+ 

+ 



+ 



55 °C


XXL

Supplier's name:	NIBE		
Model:	NIBE F1145-8 (+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:	9	8	kW
Annual energy consumption for space heating, average climate	3797	4433	kWh
Annual electricity consumption for water heating, average climate	1995		kWh
Seasonal space heating energy efficiency, average climate:	188	141	%
Water heating energy efficiency, average climate:	108		%
Sound power level LWA indoors	45		dB
Rated heat output, cold climate:	9	8	kW
Rated heat output, warm climate:	9	8	kW
Annual energy consumption for space heating, cold climate	4393	5142	kWh
Annual electricity consumption for water heating, cold climate	1995		kWh
Annual energy consumption for space heating, warm climate	2463	2864	kWh
Annual electricity consumption for water heating, warm climate	1995		kWh
Seasonal space heating energy efficiency, cold climate:	194	145	%
Water heating energy efficiency, cold climate:	108		%
Seasonal space heating energy efficiency, warm climate:	187	141	%
Water heating energy efficiency, warm climate:	108		%
Sound power level LWA outdoors	-		dB

Data for package fiche

Controller class	VII		
Controller contribution to efficiency	3,5		%
Seasonal space heating energy efficiency of package, average climate:	191	145	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	198	149	%
Seasonal space heating energy efficiency of package, warm climate:	191	145	%

Model(s):		NIBE F1145-8 (+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	8,0	kW	Seasonal space heating energy efficiency		η_s	141	%	
<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	6,2	kW	Tj = -7 °C	COPd	3,28	-			
Tj = +2 °C	Pdh	6,9	kW	Tj = +2 °C	COPd	3,81	-			
Tj = +7 °C	Pdh	7,2	kW	Tj = +7 °C	COPd	4,13	-			
Tj = +12 °C	Pdh	7,6	kW	Tj = +12 °C	COPd	4,41	-			
Tj = biv	Pdh	6,4	kW	Tj = biv	COPd	3,44	-			
Tj = TOL	Pdh	5,9	kW	Tj = TOL	COPd	3,07	-			
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		-			
Bivalent temperature				T _{biv}	-4,9	°C	Operation limit temperature			
Cycling interval capacity for heating				P _{cyh}		kW	Cycling interval efficiency		COP _{cyh}	
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 _{OFF}	0,002	kW	Rated heat output		P _{sup}	2,1	kW		
Thermostat-off mode	P _{TO}	0,012	kW							
Standby mode	P _{SB}	0,007	kW	Type of energy input		Electric				
Crankcase heater mode	P _{CK}	0,014	kW							
<i>Other items</i>										
Capacity control	fixed			Rated air flow rate, outdoors				m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	45/-	dB	Rated water flow rate, indoor heat exchanger			0,64	m ³ /h		
Annual energy consumption	Q _{HE}	4433	kWh	Rated brine or water flow rate, outdoor heat exchanger			1,20	m ³ /h		
<i>For heat pump combination heater:</i>										
Declared load profile		XXL		Water heating energy efficiency		η_{wh}	108	%		
				Daily electricity consumption		Q _{elec}	9,09	kWh		
				Annual electricity consumption		AEC	1995	kWh		
				Daily fuel consumption		Q _{fuel}		kWh		
				Annual fuel consumption		AFC		GJ		
Approved by:										
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								