



ENERG
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Y IJA
IE IA

NIBE

NIBE F1245-10 3x230V



55 °C

35 °C



A++

A++



45 dB



dB

■ 10
■ **10**
■ 10
kW

■ 12
■ **12**
■ 12
kW



2015

811/2013



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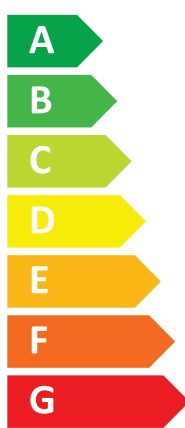
55°C



XL



A++



A

45 dB

dB



- 10 kW
- 10 kW
- 10 kW

2015

811/2013



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 35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

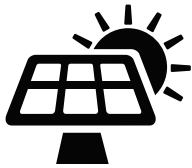
D

E

F

G

+



+



+



+





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Y

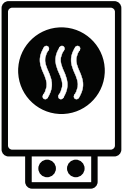




IJA

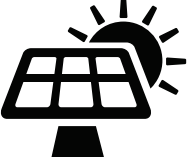
IE


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NIBE


NIBE F1245-10 3x230V

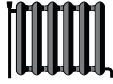






+ 






+ 

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+ 




55 °C

Supplier's name:	NIBE		
Model:	NIBE F1245-10 3x230V		
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:	12	10	kW
Annual energy consumption for space heating, average climate	4991	5438	kWh
Annual electricity consumption for water heating, average climate	1745		kWh
Seasonal space heating energy efficiency, average climate:	191	144	%
Water heating energy efficiency, average climate:	96		%
Sound power level LWA indoors	45		dB
Rated heat output, cold climate:	12	10	kW
Rated heat output, warm climate:	12	10	kW
Annual energy consumption for space heating, cold climate	5794	6323	kWh
Annual electricity consumption for water heating, cold climate	1745		kWh
Annual energy consumption for space heating, warm climate	3227	3521	kWh
Annual electricity consumption for water heating, warm climate	1745		kWh
Seasonal space heating energy efficiency, cold climate:	196	148	%
Water heating energy efficiency, cold climate:	96		%
Seasonal space heating energy efficiency, warm climate:	191	144	%
Water heating energy efficiency, warm climate:	96		%
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:	194	147	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	200	151	%
Seasonal space heating energy efficiency of package, warm climate:	194	147	%

Model(s):		NIBE F1245-10 3x230V												
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	10,0	kW	Seasonal space heating energy efficiency		η_s	144	%					
<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	7,9	kW	Tj = -7 °C	COPd	3,34	kW							
Tj = +2 °C	Pdh	8,7	kW	Tj = +2 °C	COPd	3,84	kW							
Tj = +7 °C	Pdh	9,2	kW	Tj = +7 °C	COPd	4,18	kW							
Tj = +12 °C	Pdh	9,6	kW	Tj = +12 °C	COPd	4,51	kW							
Tj = biv	Pdh	8,2	kW	Tj = biv	COPd	3,46	kW							
Tj = TOL	Pdh	7,6	kW	Tj = TOL	COPd	3,13	kW							
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW							
Bivalent temperature				T _{biv}	-5,2	°C	Operation limit temperature		TOL	-10	°C			
Cycling interval capacity for heating				P _{cyh}		kW	Cycling interval efficiency		COP _{cyh}		-			
Degradation co-efficient				Cdh	1,00	-	Heating water operating limit		WTOL	65	°C			
<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}	2,4	kW						
Thermostat-off mode	P _{TO}	0,01	kW	Type of energy input		Electric								
Standby mode	P _{SB}	0,007	kW	Crankcase heater mode		P _{CK}	0,014	kW						
<i>Other items</i>				Capacity control				fixed						
Sound power level, indoors/outdoors				L _{WA}	45/-	dB	Rated air flow rate, outdoors				m ³ /h			
Annual energy consumption				Q _{HE}	5438	kWh	Rated water flow rate, indoor heat exchanger			0,82	m ³ /h			
							Rated brine or water flow rate, outdoor heat exchanger			1,55	m ³ /h			
<i>For heat pump combination heater:</i>				Declared load profile				XL		Water heating energy efficiency		η_{wh}	96	%
Daily electricity consumption				Q _{elec}	7,95	kWh	Daily fuel consumption		Q _{fuel}		kWh			
Annual electricity consumption				AEC	1745	kWh	Annual fuel consumption		AFC		GJ			
Approved by:														
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden												