

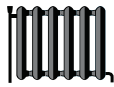


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NIBE

NIBE F1245-12 3x230V



55 °C

35 °C



A++

A++



45 dB



dB

■ 14
■ 14
■ 14
kW

■ 14
■ 14
■ 14
kW



2015

811/2013



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Y IJA
IE IA

NIBE

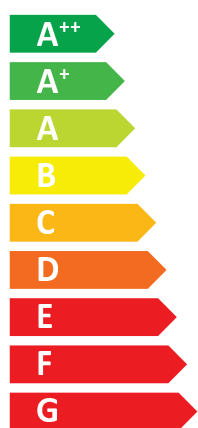
NIBE F1245-12 3x230V



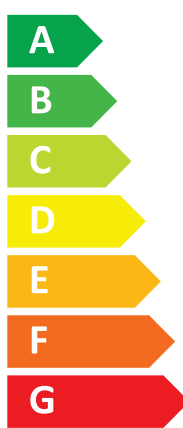
55°C



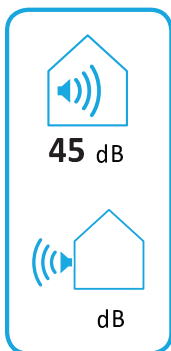
XL



A++



A



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NIBE

NIBE F1245-12 3x230V

 35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺⁺

A⁺

A

B

C

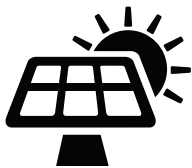
D

E

F

G

+



+



+



+





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Y

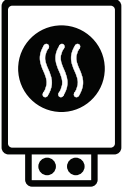




IJA

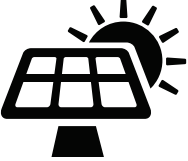
IE


IA


NIBE


NIBE F1245-12 3x230V

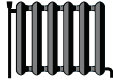






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55 °C

Supplier's name:	NIBE		
Model:	NIBE F1245-12 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:	14	14	kW
Annual energy consumption for space heating, average climate	6185	7971	kWh
Annual electricity consumption for water heating, average climate	1745		kWh
Seasonal space heating energy efficiency, average climate:	179	137	%
Water heating energy efficiency, average climate:	96		%
Sound power level LWA indoors	45		dB
Rated heat output, cold climate:	14	14	kW
Rated heat output, warm climate:	14	14	kW
Annual energy consumption for space heating, cold climate	7161	9267	kWh
Annual electricity consumption for water heating, cold climate	1745		kWh
Annual energy consumption for space heating, warm climate	4041	5239	kWh
Annual electricity consumption for water heating, warm climate	1745		kWh
Seasonal space heating energy efficiency, cold climate:	185	141	%
Water heating energy efficiency, cold climate:	96		%
Seasonal space heating energy efficiency, warm climate:	177	135	%
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:	183	141	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	188	144	%
Seasonal space heating energy efficiency of package, warm climate:	181	138	%

Model(s):		NIBE F1245-12 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	14,0	kW	Seasonal space heating energy efficiency		η_s	137	%
<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	10,8	kW	Tj = -7 °C	COPd	3,21	kW		
Tj = +2 °C	Pdh	11,1	kW	Tj = +2 °C	COPd	3,70	kW		
Tj = +7 °C	Pdh	11,3	kW	Tj = +7 °C	COPd	4,00	kW		
Tj = +12 °C	Pdh	11,5	kW	Tj = +12 °C	COPd	4,30	kW		
Tj = biv	Pdh	10,9	kW	Tj = biv	COPd	3,38	kW		
Tj = TOL	Pdh	10,7	kW	Tj = TOL	COPd	3,05	kW		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW		
Bivalent temperature				T _{biv}	-4,2	°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}	3,3	kW	
Thermostat-off mode	P _{TO}	0,018	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	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		1,15		m ³ /h	
Annual energy consumption	Q _{HE}	7971	kWh	Rated brine or water flow rate, outdoor heat exchanger		2,16		m ³ /h	
<i>For heat pump combination heater:</i>									
Declared load profile		XL		Water heating energy efficiency		η_{wh}	96	%	
				Daily fuel consumption		Q _{fuel}		kWh	
Daily electricity consumption	Q _{elec}	7,95	kWh	Annual fuel consumption		AFC		GJ	
Annual electricity consumption	AEC	1745	kWh						
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							