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Y IJA
IE IA



NIBE F1345-60 W/W



55 °C

35 °C



A+++

A+++



47 dB



dB

■ 70
■ **70**
■ 70
kW

■ 70
■ **70**
■ 70
kW



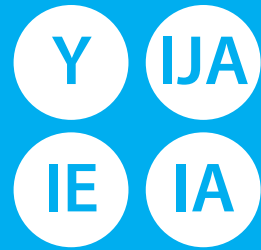
2019

811/2013



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NIBE F1345-60 W/W















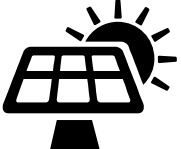




















Supplier's name:	NIBE		
Model:	NIBE F1345-60 W/W		
Temperature application	35	55	°C
Declared load profile for water heating			
Seasonal space heating energy efficiency class, average climate:	A+++	A+++	
Water heating energy efficiency class, average climate:			
Rated heat output, average climate:	70	70	kW
Annual energy consumption for space heating, average climate	26546	33695	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	210	164	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	47		dB
Rated heat output, cold climate:	70	70	kW
Rated heat output, warm climate:	70	70	kW
Annual energy consumption for space heating, cold climate	31849	38975	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	17857	21803	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	209	169	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	201	164	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	-		dB

Data for package fiche

Controller class	II		
Controller contribution to efficiency	2		%
Seasonal space heating energy efficiency of package, average climate:	212	166	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	211	171	%
Seasonal space heating energy efficiency of package, warm climate:	203	166	%

Model(s):		NIBE F1345-60 W/W							
Type of heat source/sink:		Water-to-water							
Low-temperature heat pump:		No							
Equipped with supplementary heater:		No							
Heat pump combination heater:		No							
Climate condition:		Average							
Temperature application:		Medium temperature (55 °C)							
Applied standards: EN14825 and EN12102									
Rated heat output		Prated	70,0	kW	Seasonal space heating energy efficiency		η_s	164	%
<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	71,5	kW	Tj = -7 °C	COPd	3,68	kW		
Tj = +2 °C	Pdh	73,6	kW	Tj = +2 °C	COPd	4,28	kW		
Tj = +7 °C	Pdh	38,3	kW	Tj = +7 °C	COPd	4,73	kW		
Tj = +12 °C	Pdh	39,3	kW	Tj = +12 °C	COPd	4,97	kW		
Tj = biv	Pdh	70,9	kW	Tj = biv	COPd	3,49	kW		
Tj = TOL	Pdh	71,0	kW	Tj = TOL	COPd	3,51	kW		
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd		kW		
Bivalent temperature				T _{biv}	-10	°C		Operation limit temperature	
Cycling interval capacity for heating				P _{cyh}		kW		Cycling interval efficiency	
Degradation co-efficient				Cdh	0,99	-		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}	0,0	kW	
Thermostat-off mode	P _{TO}	0,105	kW						
Standby mode	P _{SB}	0,007	kW	Type of energy input		Electric			
Crankcase heater mode	P _{CK}	0,08	kW						
<i>Other items</i>									
Capacity control	variable			Rated air flow rate, outdoors				m ³ /h	
Sound power level, indoors/outdoors	L _{WA}	47/-	dB	Rated water flow rate, indoor heat exchanger		7,64		m ³ /h	
Annual energy consumption	Q _{HE}	33695	kWh	Rated brine or water flow rate, outdoor heat exchanger		15,26		m ³ /h	
<i>For heat pump combination heater:</i>									
Declared load profile				Water heating energy efficiency		η_{wh}			%
Daily electricity consumption				Q _{elec}			kWh		Daily fuel consumption
Annual electricity consumption				AEC			kWh		Annual fuel consumption
							GJ		AFC
Approved by:									
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden							