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NIBE

NIBE F1345-60

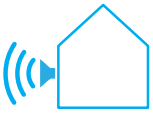


	55 °C	35 °C
	A++	A+++

A+++
A++
A+
A
B
C
D



47 dB



dB

	55 °C	35 °C
	67	67
	67	**67**
	67	67
	kW	kW



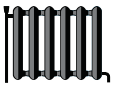
2019

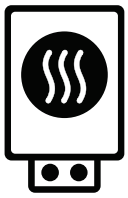
811/2013

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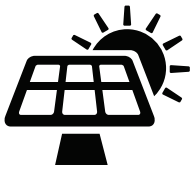
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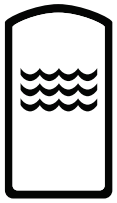
NIBE F1345-60





A++

+  ☐

+  ☐

+  ☑

+  ☐



2015

811/2013

Supplier's name:	NIBE		
Model:	NIBE F1345-60		
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:	67	67	kW
Annual energy consumption for space heating, average climate	30180	38076	kWh
Annual electricity consumption for water heating, average climate			kWh
Seasonal space heating energy efficiency, average climate:	175	137	%
Water heating energy efficiency, average climate:			%
Sound power level LWA indoors	47		dB
Rated heat output, cold climate:	67	67	kW
Rated heat output, warm climate:	67	67	kW
Annual energy consumption for space heating, cold climate	34929	43898	kWh
Annual electricity consumption for water heating, cold climate			kWh
Annual energy consumption for space heating, warm climate	19485	24438	kWh
Annual electricity consumption for water heating, warm climate			kWh
Seasonal space heating energy efficiency, cold climate:	181	142	%
Water heating energy efficiency, cold climate:			%
Seasonal space heating energy efficiency, warm climate:	176	139	%
Water heating energy efficiency, warm climate:			%
Sound power level LWA outdoors	-		dB

Data for package fiche

Controller class	II		
Controler contribution to efficiency	2		%
Seasonal space heating energy efficiency of package, average climate:	177	139	%
Seasonal space heating energy efficiency class for package, average climate:	**A+++**	**A++**	%
Seasonal space heating energy efficiency of package, cold climate:	183	144	%
Seasonal space heating energy efficiency of package, warm climate:	178	141	%

Model(s):		**NIBE F1345-60**						
Type of heat source/sink:		Brine-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								
Rated heat output	Prated	67,0	kW		**Seasonal space heating energy efficiency**	η_s	137	%
Declared capacity for part load at outdoor temperature Tj					*Declared coefficient of performance for part load at outdoor temperature Tj*			
Tj = -7 °C	Pdh	54,8	kW		Tj = -7 °C	COPd	3,17	-
Tj = +2 °C	Pdh	56,6	kW		Tj = +2 °C	COPd	3,62	-
Tj = +7 °C	Pdh	29,2	kW		Tj = +7 °C	COPd	4,06	-
Tj = +12 °C	Pdh	29,8	kW		Tj = +12 °C	COPd	4,38	-
Tj = biv	Pdh	55,2	kW		Tj = biv	COPd	3,26	-
Tj = TOL	Pdh	54,1	kW		Tj = TOL	COPd	3,03	-
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW		Tj = -15 °C (if TOL < -20 °C)	COPd		-
Bivalent temperature	T_{biv}	-5,4	°C		Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcych		kW		Cycling interval efficiency	COPcyc		-
Degradation co-efficient	Cdh	0,99	-		Heating water operating limit	WTOL	65	°C
Power consumption in modes other than active mode					*Supplementary heater*			
Off mode	P_{OFF}	0,002	kW		Rated heat output	Psup	12,9	kW
Thermostat-off mode	P_{TO}	0,06	kW					
Standby mode	P_{SB}	0,007	kW		Type of energy input	Electric		
Crankcase heater mode	P_{CK}	0,08	kW					
Other items								
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		5,83	m^3/h
Annual energy consumption	Q_{HE}	38076	kWh		Rated brine or water flow rate, outdoor heat exchanger		10,87	m^3/h
For heat pump combination heater:								
Declared load profile					**Water heating energy efficiency**	η_{wh}		%
Daily electricity consumption	Q_{elec}		kWh		Daily fuel consumption	Q_{fuel}		kWh
Annual electricity consumption	AEC		kWh		Annual fuel consumption	AFC		GJ
Approved by:								
Contact details	**© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden**							