

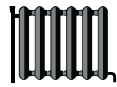


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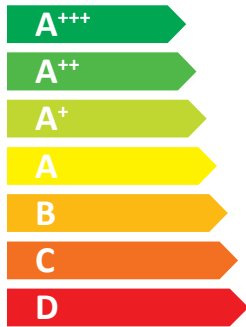
NIBE

NIBE S735-4



55 °C

35 °C



A++

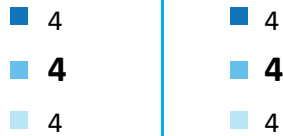
A+++



42 dB



dB



kW

kW



2019

811/2013

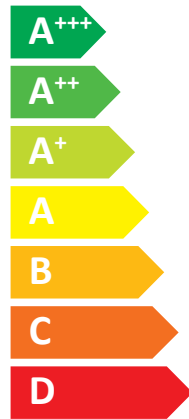
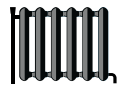


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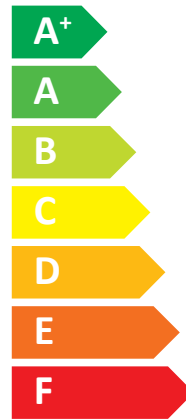
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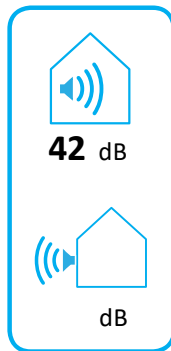
NIBE S735-4



A++



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2019

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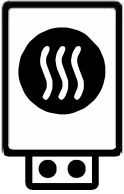




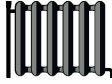


IJA

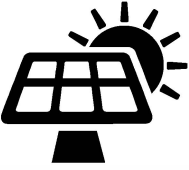
IE


IA


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NIBE S735-4













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Supplier's name:	NIBE AB		
Model:	NIBE S735-4		
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:	4	4	kW
Annual energy consumption for space heating, average climate	1523	1982	kWh
Annual electricity consumption for water heating, average climate	1430		kWh
Seasonal space heating energy efficiency, average climate:	187	143	%
Water heating energy efficiency, average climate:	117		%
Sound power level LWA indoors	42		dB
Rated heat output, cold climate:	4	4	kW
Rated heat output, warm climate:	4	4	kW
Annual energy consumption for space heating, cold climate	1718	2332	kWh
Annual electricity consumption for water heating, cold climate	1430		kWh
Annual energy consumption for space heating, warm climate	1050	1370	kWh
Annual electricity consumption for water heating, warm climate	1430		kWh
Seasonal space heating energy efficiency, cold climate:	198	145	%
Water heating energy efficiency, cold climate:	117		%
Seasonal space heating energy efficiency, warm climate:	175	134	%
Water heating energy efficiency, warm climate:	117		%
Sound power level LWA outdoors			dB

Data for package fiche with SMO or VVM

Controller class	CLASS VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	191	147	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A++	%
Seasonal space heating energy efficiency of package, cold climate:	202	149	%
Seasonal space heating energy efficiency of package, warm climate:	179	138	%

Model(s):		NIBE S735-4								
Type of heat source/sink:		Exhaust air/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 - EN16147 - EN12102-1										
Rated heat output		Prated	3,5	kW	Seasonal space heating energy efficiency		η_s	143	%	
<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	3,1	kW	Tj = -7 °C	COPd	2,56				
Tj = +2 °C	Pdh	1,9	kW	Tj = +2 °C	COPd	3,78				
Tj = +7 °C	Pdh	1,2	kW	Tj = +7 °C	COPd	4,70				
Tj = +12 °C	Pdh	1,1	kW	Tj = +12 °C	COPd	5,58				
Tj = biv	Pdh	3,5	kW	Tj = biv	COPd	2,23				
Tj = TOL	Pdh	3,5	kW	Tj = TOL	COPd	2,23				
Tj = -15 °C (if TOL < -20 °C)	Pdh		kW	Tj = -15 °C (if TOL < -20 °C)	COPd					
Bivalent temperature				T _{biv}	-10	°C	Operation limit temperature			
Cycling interval capacity for heating				P _{cyh}		kW	Cycling interval efficiency		COP _{cyh}	-
Degradation co-efficient				Cdh	0,92	-	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}	0,008	kW	Rated heat output		P _{sup}	0,0	kW		
Thermostat-off mode	P _{TO}	0,016	kW							
Standby mode	P _{SB}	0,018	kW	Type of energy input		Electric				
Crankcase heater mode	P _{CK}	0,014	kW							
<i>Other items</i>										
Capacity control	Variable			Rated air flow rate, outdoors			160	m ³ /h		
Sound power level, indoors/outdoors	L _{WA}	42/-	dB	Rated water flow rate, indoor heat exchanger			0,32	m ³ /h		
Annual energy consumption	Q _{HE}	1982	kWh	Rated brine or water flow rate, outdoor heat exchanger				m ³ /h		
<i>For heat pump combination heater:</i>										
Declared load profile		XL		Water heating energy efficiency		η_{wh}	117	%		
				Daily fuel consumption		Q _{fuel}		kWh		
Daily electricity consumption	Q _{elec}	6,821	kWh	Annual fuel consumption		AFC		GJ		
Annual electricity consumption	AEC	1430	kWh							
Contact details		© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								