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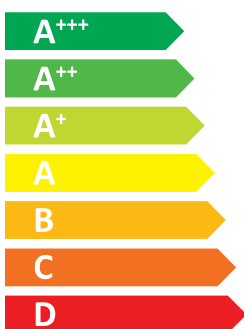
NIBE

NIBE S735C-4



55 °C

35 °C



A++

A+++



42 dB



dB

4
4
4
kW

4
4
4
kW



2019

811/2013

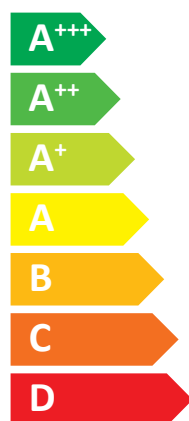


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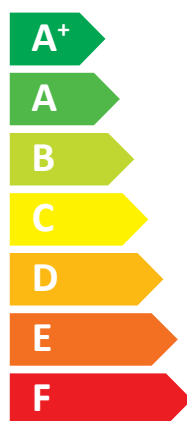


NIBE

NIBE S735C-4



A⁺⁺



A



42 dB



dB



■ 4 kW
■ **4 kW**
■ 4 kW

2019

811/2013



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Y

IJA

IE

IA

NIBE

NIBE S735C-4



A⁺⁺



A



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

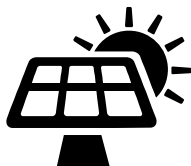
E

F

G

A⁺⁺⁺

+



+



+



+



A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

D

E

F

G

A

Supplier's name:	NIBE AB		
Model:	NIBE S735C-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	1427	1925	kWh
Annual electricity consumption for water heating, average climate	1430		kWh
Seasonal space heating energy efficiency, average climate:	200	147	%
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	1608	2204	kWh
Annual electricity consumption for water heating, cold climate	1430		kWh
Annual energy consumption for space heating, warm climate	942	1231	kWh
Annual electricity consumption for water heating, warm climate	1430		kWh
Seasonal space heating energy efficiency, cold climate:	212	154	%
Water heating energy efficiency, cold climate:	117		%
Seasonal space heating energy efficiency, warm climate:	196	149	%
Water heating energy efficiency, warm climate:	117		%
Sound power level LWA outdoors			dB

Data for package fiche

Controller class	CLASS VI		
Controller contribution to efficiency	4,0		%
Seasonal space heating energy efficiency of package, average climate:	204	151	%
Seasonal space heating energy efficiency class for package, average climate:	A+++	A+++	%
Seasonal space heating energy efficiency of package, cold climate:	216	158	%
Seasonal space heating energy efficiency of package, warm climate:	200	153	%

Model(s):				NIBE S735C-4				NIBE			
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: EN 14825:2022, EN 16147:2017, EN 12102-1:2022											
Rated heat output			Prated	3,5	kW	Seasonal space heating energy efficiency			ηs	147	%
Declared capacity for part load at outdoor temperature Tj						Declared coefficient of performance for part load at outdoor temperature Tj					
Tj = -7 °C			Pdh	3,1	kW	Tj = -7 °C			COPd	2,52	
Tj = +2 °C			Pdh	1,9	kW	Tj = +2 °C			COPd	3,76	
Tj = +7 °C			Pdh	1,2	kW	Tj = +7 °C			COPd	4,61	
Tj = +12 °C			Pdh	1,1	kW	Tj = +12 °C			COPd	5,36	
Tj = biv			Pdh	3,5	kW	Tj = biv			COPd	2,24	
Tj = TOL			Pdh	3,5	kW	Tj = TOL			COPd	2,24	
Tj = -15 °C (if TOL < -20 °C)			Pdh		kW	Tj = -15 °C (if TOL < -20 °C)			COPd		
Bivalent temperature			Tbiv	-10	°C	Operation limit temperature			TOL	-10	°C
Cycling interval capacity for heating			Pcyc		kW	Cycling interval efficiency			COPcyc		-
Degradation co-efficient			Cdh	0,92	-	Heating water operating limit			WTOL	65	°C
Power consumption in modes other than active mode						Supplementary heater					
Off mode			POFF	0,008	kW	Rated heat output			Psup	0,0	kW
Thermostat-off mode			Pto	0,016	kW						
Standby mode			PSB	0,018	kW	Type of energy input			Electric		
Crankcase heater mode			PCK	0,014	kW						
Other items											
Capacity control			Variable			Rated air flow rate, outdoors				160	m³/h
Sound power level, indoors/outdoors			LWA	42/-	dB	Rated water flow rate, indoor heat exchanger				0,32	m³/h
Annual energy consumption			QHE	1925	kWh	Rated brine or water flow rate, outdoor heat exchanger					m³/h
For heat pump combination heater:											
Declared load profile			XL			Water heating energy efficiency			ηwh	117	%
Daily electricity consumption			Qelec	6,821	kWh	Daily fuel consumption			Qfuel		kWh
Annual electricity consumption			AEC	1430	kWh	Annual fuel consumption			AFC		GJ
Contact details			© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden								

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