

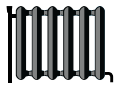


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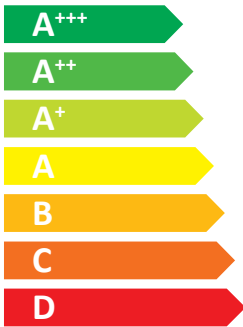
NIBE

NIBE S735C-7



55 °C

35 °C



A+++

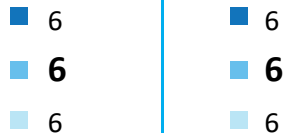
A+++



44 dB



dB



kW

kW



2019

811/2013

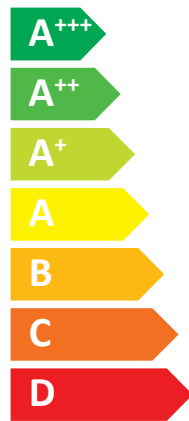
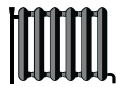


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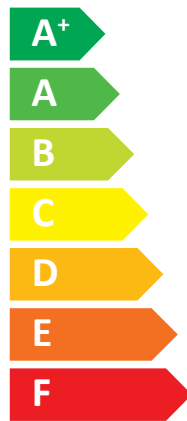


NIBE

NIBE S735C-7



A+++



A

44 dB

dB



- 6 kW
- 6 kW
- 6 kW

2019

811/2013



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Y

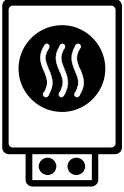




IJA

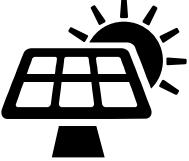
IE


IA


NIBE

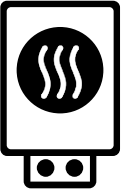
NIBE S735C-7













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| | | | |
|---|--------------|-------------|-----|
| Supplier's name: | NIBE AB | | |
| Model: | NIBE S735C-7 | | |
| 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: | 6 | 6 | kW |
| Annual energy consumption for space heating, average climate | 2409 | 3015 | kWh |
| Annual electricity consumption for water heating, average climate | 1432 | | kWh |
| Seasonal space heating energy efficiency, average climate: | 189 | 150 | % |
| Water heating energy efficiency, average climate: | 117 | | % |
| Sound power level LWA indoors | 44 | | dB |
| Rated heat output, cold climate: | 6 | 6 | kW |
| Rated heat output, warm climate: | 6 | 6 | kW |
| Annual energy consumption for space heating, cold climate | 2685 | 3459 | kWh |
| Annual electricity consumption for water heating, cold climate | 1432 | | kWh |
| Annual energy consumption for space heating, warm climate | 1522 | 1939 | kWh |
| Annual electricity consumption for water heating, warm climate | 1432 | | kWh |
| Seasonal space heating energy efficiency, cold climate: | 203 | 157 | % |
| Water heating energy efficiency, cold climate: | 117 | | % |
| Seasonal space heating energy efficiency, warm climate: | 194 | 151 | % |
| Water heating energy efficiency, warm climate: | 117 | | % |
| Sound power level LWA outdoors | | | dB |

Data for package fiche

| | | | |
|--|-------------|-------------|---|
| Controller class | CLASS VI | | |
| Controler contribution to efficiency | 4,0 | | % |
| Seasonal space heating energy efficiency of package, average climate: | 193 | 154 | % |
| Seasonal space heating energy efficiency class for package, average climate: | A+++ | A+++ | % |
| Seasonal space heating energy efficiency of package, cold climate: | 207 | 161 | % |
| Seasonal space heating energy efficiency of package, warm climate: | 198 | 155 | % |

| | | | | | | | | | |
|--|-------------------|--|-----|--|---|-------------------|-------------------------------|-------------------|---|
| Model(s): | | NIBE S735C-7 | | 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+A1:2022, EN 12102-1:2022 | | | | | | | | | |
| Rated heat output | | Prated | 5,6 | kW | Seasonal space heating energy efficiency | | η_s | 150 | % |
| <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 | 4,9 | kW | Tj = -7 °C | COPd | 2,48 | | | |
| Tj = +2 °C | Pdh | 2,8 | kW | Tj = +2 °C | COPd | 3,85 | | | |
| Tj = +7 °C | Pdh | 2,0 | kW | Tj = +7 °C | COPd | 4,82 | | | |
| Tj = +12 °C | Pdh | 1,6 | kW | Tj = +12 °C | COPd | 5,57 | | | |
| Tj = biv | Pdh | 5,3 | kW | Tj = biv | COPd | 2,29 | | | |
| Tj = TOL | Pdh | 5,3 | kW | Tj = TOL | COPd | 2,29 | | | |
| 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 | | |
| Degradation co-efficient | | | | Cdh | 0,86 | - | Heating water operating limit | | |
| | | | | | | | WTOL | | |
| | | | | | | | 65 | | |
| | | | | | | | °C | | |
| | | | | | | | - | | |
| | | | | | | | °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} | 0,038 | kW | | | | | | |
| Standby mode | P _{SB} | 0,034 | kW | Type of energy input | | Electric | | | |
| Crankcase heater mode | P _{CK} | 0,008 | kW | | | | | | |
| <i>Other items</i> | | | | | | | | | |
| Capacity control | Variable | | | Rated air flow rate, outdoors | | | 241 | m ³ /h | |
| Sound power level, indoors/outdoors | L _{WA} | 44/- | dB | Rated water flow rate, indoor heat exchanger | | | 0,32 | m ³ /h | |
| Annual energy consumption | Q _{HE} | 3015 | 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 electricity consumption | Q _{elec} | 6,900 | kWh | Daily fuel consumption | | Q _{fuel} | | kWh | |
| Annual electricity consumption | AEC | 1432 | kWh | Annual fuel consumption | | AFC | | GJ | |
| Contact details | | © NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden | | | | | | | |

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