



**ENERG** Y IJA  
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**STIEBEL ELTRON**

LWZ 304 SOL



A+



A

Two icons showing sound power levels. The top icon shows a house with sound waves and the text '56 dB'. The bottom icon shows a house with sound waves and the text '56 dB'.



A legend box containing three entries, each with a blue square and the text '4 kW':  
 ■ 4 kW  
 ■ 4 kW  
 ■ 4 kW

2019

811/2013

**Product datasheet: Combi heater to regulation (EU) no. 811/2013**

|   |       | <b>LWZ 304 SOL</b> |
|---|-------|--------------------|
|   |       | 230143             |
| Manufacturer  |       | STIEBEL ELTRON     |
| Load profile  |       | XL                 |
| Energy efficiency class for central heating in moderate climates for medium temperature applications    |       | A+                 |
| Energy efficiency class for central heating in moderate climates for low temperature applications       |       | A+                 |
| Energy efficiency category for DHW heating under moderate climatic conditions                           |       | A                  |
| Rated heating output in moderate climates for average temperature applications (Prated)                 | kW    | 3                  |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW    | 4                  |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a | 2320               |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a | 2479               |
| Annual power consumption in moderate climates (AEC)   | kWh/a | 1387               |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %     | 100                |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %     | 136                |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions                    | %     | 122                |
| Sound power level internal  | dB(A) | 56                 |
| Sound power level external  | dB(A) | 56                 |
| Rated heating output in colder climates for average temperature applications (Prated)                   | kW    | 3                  |
| Rated heating output in colder climates for low temperature applications (Prated)                       | kW    | 4                  |
| Rated heating output in warmer climates for average temperature applications (Prated)                   | kW    | 3                  |
| Rated heating output in warmer climates for low temperature applications (Prated)                       | kW    | 4                  |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a | 3152               |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a | 3333               |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a | 1499               |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a | 1481               |
| Annual power consumption in colder climates (AEC)   | kWh/a | 1766               |
| Annual power consumption in warmer climates (AEC)   | kWh/a | 1284               |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %     | 79                 |
| Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )       | %     | 116                |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %     | 108                |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %     | 152                |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under colder climatic conditions                      | %     | 96,38              |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under warmer climatic conditions                      | %     | 131,76             |
| Operation exclusively enabled during low load times   |       | -                  |








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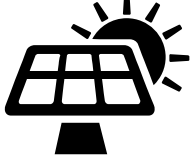



**STIEBEL ELTRON**



LWZ 304 SOL



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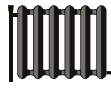

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**Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013**

|   |   | <b>LWZ 304 SOL</b> |
|---|---|--------------------|
|   |   | 230143             |
| Manufacturer  |   | STIEBEL ELTRON     |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 100                |
| Temperature controller class  |   | VII                |
| Contribution of temperature controller to room heating energy efficiency  | % | 3,5                |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 21                 |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 8                  |
| Energy efficiency class for central heating in moderate climates for medium temperature applications                                      |   | A+                 |
| Energy efficiency category for DHW heating under moderate climatic conditions   |   | A                  |
| Load profile  |   | XL                 |

Required details about room heater and combi heater with heat pump to regulation (EU) no. 813/2013 & 811/2013

|   |       | LWZ 304 SOL    |
|---|-------|----------------|
|   |       | 230143         |
| Manufacturer  |       | STIEBEL ELTRON |
| Heat source   |       | Outside air    |
| Low temperature heat pump   |       | -              |
| With booster heater   |       | x              |
| Combi boiler with heat pump   |       | x              |
| Rated heating output in colder climates for average temperature applications (Prated)           | kW    | 3              |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW    | 3              |
| Rated heating output in warmer climates for average temperature applications (Prated)           | kW    | 3              |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW    | 1,9            |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW    | 3,6            |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW    | 4,7            |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW    | 5,9            |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW    | 2,3            |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW    | 1,2            |
| For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh)                                     | kW    | 0,2            |
| Dual mode temperature in moderate climates (Tbiv)   | °C    | -5             |
| Seasonal room heating efficiency in colder climates for average temperature applications (ηs)   | %     | 79             |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %     | 100            |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %     | 108            |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |       | 1,82           |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |       | 2,73           |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |       | 3,25           |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |       | 3,88           |
| Tj = dual mode temperature under moderate climatic conditions (COPd)                            |       | 2,1            |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                      |       | 1,36           |
| For air/water heat pumps:Tj= -15°C (if TOL< -20 °C) (COPd)                                      |       | 0,23           |
| Heating water operating temperature limit (WTOL)  | °C    | 0              |
| Power consumption, OFF state (Poff)   | W     | 12             |
| Power consumption, thermostat OFF state (PTO)   | W     | 82             |
| Standby power consumption (PSB)   | W     | 12             |
| Power consumption, operating state, with crankcase heating (PCK)                                | W     | 12             |
| Booster heater heating output (PSUB)  | kW    | 1,65           |
| Type of energy supply, booster heater   |       | electric       |
| Power control   |       | Fixed          |
| Sound power level external  | dB(A) | 56             |
| Sound power level internal  | dB(A) | 56             |
| Annual energy consumption in colder climates for average temperature applications (QHE)         | kWh/a | 3152           |
| Annual energy consumption in moderate climates for average temperature applications (QHE)       | kWh/a | 2320           |
| Annual energy consumption in warmer climates for average temperature applications (QHE)         | kWh/a | 1499           |
| Load profile  |       | XL             |
| Annual power consumption in colder climates (AEC)   | kWh/a | 1766           |
| Annual power consumption in moderate climates (AEC)   | kWh/a | 1387           |

|  |       |      |
|--|-------|------|
| Annual power consumption in warmer climates (AEC)                                      | kWh/a | 1284 |
| Energy efficiency for DHW heating ( $\Gamma_{wh}$ ) under moderate climatic conditions | %     | 122  |