



# ENERGY

**STIEBEL ELTRON**

LWZ 5 S Plus



A+



A

Sound power level icons showing 52 dB for both indoor and outdoor sound power levels.



Power output legend:

- 9.00 kW
- 6 kW
- 7 kW

2019

811/2013

**Product datasheet: Combi heater to regulation (EU) no. 811/2013 / (S.I. 2019 No. 539 / Schedule 2)**

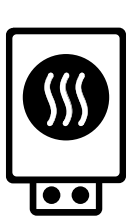
|   |       | <b>LWZ 5 S Plus</b>   |
|---|-------|---|
|   |       | 201291  |
| Manufacturer  |       | STIEBEL ELTRON  |
| Load profile  |       | XL  |
| Energy efficiency class for central heating in moderate climates for medium temperature applications    |       | A+  |
| Energy efficiency class 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    | 7.00  |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW    | 6   |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a | 4138  |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a | 3280  |
| Annual power consumption in moderate climates (AEC)   | kWh/a | 1676  |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %     | 121   |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %     | 154   |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions                    | %     | 102   |
| Sound power level internal  | dB(A) | 52  |
| Sound power level external  | dB(A) | 52  |
| Special measures  |       | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |
| Rated heating output in colder climates for average temperature applications (Prated)                   | kW    | 9   |
| Rated heating output in colder climates for low temperature applications (Prated)                       | kW    | 9.00  |
| Rated heating output in warmer climates for average temperature applications (Prated)                   | kW    | 7   |
| Rated heating output in warmer climates for low temperature applications (Prated)                       | kW    | 7   |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a | 8311  |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a | 6605  |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a | 2694  |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a | 1977  |
| Annual power consumption in colder climates (AEC)   | kWh/a | 2042  |
| Annual power consumption in warmer climates (AEC)   | kWh/a | 1183  |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %     | 101   |
| Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )       | %     | 135   |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %     | 134   |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %     | 178   |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under colder climatic conditions                      | %     | 84  |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under warmer climatic conditions                      | %     | 145   |
| Operation exclusively enabled during low load times   |       | -   |



# ENERGY

**STIEBEL ELTRON**

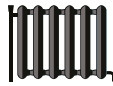
LWZ 5 S Plus



A<sup>+</sup>



A



A<sup>+++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

D

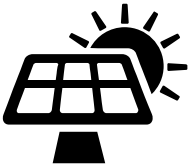
E

F

G

A<sup>++</sup>

+



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+



+



A<sup>+++</sup>

A<sup>++</sup>

A<sup>+</sup>

A

B

C

D

E

F

G

A

**Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013 / (S.I. 2019 No. 539 / Schedule 2)**

|   |   | <b>LWZ 5 S Plus</b> |
|---|---|---------------------|
|   |   | 201291              |
| Manufacturer  |   | STIEBEL ELTRON      |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 121                 |
| Temperature controller class  |   | VI                  |
| Contribution of temperature controller to room heating energy efficiency  | % | 4.00                |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 20                  |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 13                  |
| Energy efficiency class for central heating in moderate climates for medium temperature applications                                      |   | A+                  |
| Room heating energy efficiency class of composite system under moderate climatic conditions   |   | 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

|   |    | <b>LWZ 5 S Plus</b> |
|---|----|---------------------|
|   |    | 201291              |
| Manufacturer  |    | STIEBEL ELTRON      |
| Rated heating output in colder climates for average temperature applications (Prated)                   | kW | 9                   |
| Rated heating output in moderate climates for average temperature applications (Prated)                 | kW | 7.00                |
| Rated heating output in warmer climates for average temperature applications (Prated)                   | kW | 7                   |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh)                                  | kW | 5.3                 |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)                  | kW | 5.54                |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                                   | kW | 3.3                 |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)                   | kW | 3.41                |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                                   | kW | 6.9                 |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                                   | kW | 2.8                 |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)                   | kW | 2.71                |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                                   | kW | 4.5                 |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                                  | kW | 3.2                 |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)                  | kW | 3.19                |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                                  | kW | 3.2                 |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 5.3                 |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                                     | kW | 5.54                |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 6.9                 |
| Tj = operating temperature limit in colder climates (Pdh)   | kW | 2.6                 |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                               | kW | 2.67                |
| Tj = operating temperature limit in warmer climates (Pdh)   | kW | 6.9                 |
| Dual mode temperature in colder climates (Tbiv)   | °C | -7                  |
| Dual mode temperature in moderate climates (Tbiv)   | °C | -7                  |
| Dual mode temperature in warmer climates (Tbiv)   | °C | 2                   |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %  | 101                 |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %  | 121                 |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %  | 134                 |
| Tj = -7 °C COP, partial load range in colder climates (COPd)  |    | 2.52                |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                            |    | 2.26                |
| Tj = 2 °C COP, partial load range in colder climates (COPd)   |    | 3.5                 |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                             |    | 3.27                |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)   |    | 2.5                 |
| Tj = 7 °C COP, partial load range in colder climates (COPd)   |    | 4.56                |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                             |    | 4.09                |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)   |    | 3.28                |
| Tj = 12 °C COP, partial load range in colder climates (COPd)  |    | 5.59                |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                            |    | 5.26                |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)  |    | 4.98                |
| Tj = dual mode temperature in colder climates (COPd)  |    | 2.52                |
| Tj = dual mode temperature under moderate climatic conditions (COPd)                                    |    | 2.26                |
| Tj = dual mode temperature in warmer climates (COPd)  |    | 2.5                 |
| Tj = operating temperature limit in colder climates (COPd)  |    | 2.09                |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                              |    | 1.88                |
| Tj = operating temperature limit in warmer climates (COPd)  |    | 2.5                 |

|   |   |        |
|---|---|--------|
| Heating water operating temperature limit (WTOL)  | °C  | 60     |
| Power consumption, OFF state (Poff)   | W   | 27.000 |
| Power consumption, thermostat OFF state (PTO)   | W   | 63     |
| Standby power consumption (PSB)   | W   | 27.000 |
| Power consumption, operating state, with crankcase heating (PCK)                          | W   | 35.000 |
| Booster heater heating output (PSUB)  | kW  | 3.550  |
| Sound power level external  | dB(A)   | 52     |
| Sound power level internal  | dB(A)   | 52     |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a   | 8311   |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a   | 4138   |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a   | 2694   |
| Load profile  |   | XL     |
| Annual power consumption in colder climates (AEC)   | kWh/a   | 2042   |
| Annual power consumption in moderate climates (AEC)                                       | kWh/a   | 1676   |
| Annual power consumption in warmer climates (AEC)   | kWh/a   | 1183   |
| Energy efficiency for DHW heating ( $\Gamma_{wh}$ ) under moderate climatic conditions    | %   | 102    |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |        |