

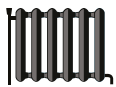


**ENERG**  
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**STIEBEL ELTRON**

WPL 23 E



55 °C

35 °C



**A<sup>+</sup>**

**A<sup>+</sup>**



58 dB



65 dB

■ 20  
■ 18  
■ 16  
kW

■ 18  
■ 17  
■ 16  
kW



2019

811/2013

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

|   |       | <b>WPL 23 E</b>   |
|---|-------|---|
|   |       | 227758  |
| Manufacturer  |       | STIEBEL ELTRON  |
| 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+  |
| Rated heating output in moderate climates for average temperature applications (Prated)                 | kW    | 18  |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW    | 17  |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %     | 115   |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %     | 148   |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a | 12656   |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a | 9268  |
| Sound power level internal  | dB(A) | 58  |
| Sound power level external  | dB(A) | 65  |
| 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    | 20  |
| Rated heating output in colder climates for low temperature applications (Prated)                       | kW    | 18  |
| Rated heating output in warmer climates for average temperature applications (Prated)                   | kW    | 16  |
| Rated heating output in warmer climates for low temperature applications (Prated)                       | kW    | 16  |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %     | 109   |
| Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )       | %     | 137   |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %     | 120   |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %     | 157   |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a | 17275   |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a | 12373   |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a | 6955  |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a | 5239  |



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**STIEBEL ELTRON**

WPL 23 E



**A<sup>+</sup>**

**A<sup>+++</sup>**

**A<sup>++</sup>**

**A<sup>+</sup>**

**A**

**B**

**C**

**D**

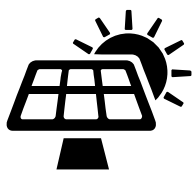
**E**

**F**

**G**

**A<sup>+</sup>**

+



+



+



+



**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>WPL 23 E</b> |
|---|---|-----------------|
|   |   | 227758          |
| Manufacturer  |   | STIEBEL ELTRON  |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 115             |
| Temperature controller class  |   | VII             |
| Contribution of temperature controller to room heating energy efficiency  | % | 3               |
| Room heating energy efficiency of composite system under moderate climatic conditions   | % | 119             |
| Room heating energy efficiency of composite system under colder climatic conditions   | % | 113             |
| Room heating energy efficiency of composite system under warmer climatic conditions   | % | 124             |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 6               |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 5               |
| 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+              |

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

|   |    | <b>WPL 23 E</b> |
|---|----|-----------------|
|   |    | 227758          |
| Manufacturer  |    | STIEBEL ELTRON  |
| Heat source   |    | Outside air     |
| With booster heater   |    | x               |
| Combi boiler with heat pump   |    | -               |
| Rated heating output in colder climates for average temperature applications (Prated)           | kW | 20              |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW | 18              |
| Rated heating output in warmer climates for average temperature applications (Prated)           | kW | 16              |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh)                          | kW | 13.9            |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 14.4            |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 14.6            |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 15.8            |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 15.9            |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 16.0            |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 16.5            |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 16.4            |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 16.2            |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 17.6            |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 17.1            |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 16.2            |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 13.4            |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 14.6            |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 16.0            |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 12.4            |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 14.2            |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 16.0            |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                   | kW | 14.0            |
| Dual mode temperature in colder climates (Tbiv)   | °C | -10             |
| Dual mode temperature in moderate climates (Tbiv)   | °C | -5              |
| Dual mode temperature in warmer climates (Tbiv)   | °C | 2               |
| Seasonal room heating efficiency in colder climates for average temperature applications (ηs)   | %  | 109             |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 115             |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 120             |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 2.58            |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 2.32            |
| Tj = -7 °C COP, partial load range in warmer climates (COPd)                                    |    | 2.22            |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 3.20            |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.00            |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 2.57            |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 3.76            |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.53            |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.06            |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 3.94            |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 3.79            |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 3.52            |
| Tj = dual mode temperature in colder climates (COPd)  |    | 2.40            |

|   |   |          |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd)                      |   | 2.48     |
| Tj = dual mode temperature in warmer climates (COPd)                                      |   | 2.57     |
| Tj = operating temperature limit in colder climates (COPd)                                |   | 1.81     |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |   | 2.12     |
| Tj = operating temperature limit in warmer climates (COPd)                                |   | 2.57     |
| For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd)                             |   | 1.84     |
| Heating water operating temperature limit (WTOL)  | °C  | 60       |
| Power consumption, OFF state (Poff)   | W   | 7        |
| Power consumption, thermostat OFF state (PTO)   | W   | 7        |
| Standby power consumption (PSB)   | W   | 7        |
| Power consumption, operating state, with crankcase heating (PCK)                          | W   | 62       |
| Booster heater heating output in moderate climate (Psup)                                  | kW  | 3.9      |
| Type of energy supply, booster heater   |   | electric |
| Power control   |   | Fixed    |
| Sound power level external  | dB(A)   | 65       |
| Sound power level internal  | dB(A)   | 58       |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a   | 17275    |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a   | 12656    |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a   | 6955     |
| Flow rate, heat source side   | m <sup>3</sup> /h   | 3500     |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |