



# ENERGY

**STIEBEL ELTRON** WPL 24 IK



55 °C

35 °C



51 dB

50 dB

|      |      |
|------|------|
| ■ 17 | ■ 16 |
| ■ 12 | ■ 11 |
| ■ 7  | ■ 7  |

kW                      kW

2019

811/2013

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

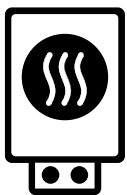
|   |       | <b>WPL 24 IK</b>  |
|---|-------|---|
|   |       | 235879  |
| Manufacturer  |       | STIEBEL ELTRON  |
| Energy efficiency class for central heating in moderate climates for medium temperature applications    |       | A++   |
| Energy efficiency class for central heating in moderate climates for low temperature applications       |       | A+++  |
| Rated heating output in moderate climates for average temperature applications (Prated)                 | kW    | 12  |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW    | 11  |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %     | 144   |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %     | 181   |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a | 6707  |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a | 5026  |
| Sound power level internal  | dB(A) | 51  |
| Sound power level external  | dB(A) | 50  |
| 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    | 17  |
| Rated heating output in colder climates for low temperature applications (Prated)                       | kW    | 16  |
| 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   |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %     | 121   |
| Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )       | %     | 147   |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %     | 171   |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %     | 220   |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a | 13872   |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a | 10766   |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a | 2227  |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a | 1774  |



# ENERGY

**STIEBEL ELTRON**

WPL 24 IK



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

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

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

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

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

**A**

**B**

**C**

**D**

**E**

**F**

**G**

+



+



+



+



**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 24 IK</b> |
|---|---|------------------|
|   |   | 235879           |
| Manufacturer  |   | STIEBEL ELTRON   |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 144              |
| Temperature controller class  |   | VI               |
| Contribution of temperature controller to room heating energy efficiency  | % | 4                |
| Room heating energy efficiency of composite system under moderate climatic conditions   | % | 143              |
| Room heating energy efficiency of composite system under colder climatic conditions   | % | 120              |
| Room heating energy efficiency of composite system under warmer climatic conditions   | % | 173              |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 23               |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 27               |
| 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

|   |    | WPL 24 IK      |
|---|----|----------------|
|   |    | 235879         |
| Manufacturer  |    | STIEBEL ELTRON |
| With booster heater   |    | x              |
| Combi boiler with heat pump   |    | -              |
| Rated heating output in colder climates for average temperature applications (Prated)           | kW | 17             |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW | 12             |
| 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 | 13.9           |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 14.20          |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 9.2            |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 9.40           |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 10.1           |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 7.6            |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 7.70           |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 9.1            |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 7.3            |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 7.30           |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 7.4            |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 14.4           |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 14.40          |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 10.1           |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 11.5           |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 11.50          |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 10.1           |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                   | kW | 0.00           |
| 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 (ηs)   | %  | 121            |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 144            |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 171            |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 2.63           |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 2.38           |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 3.88           |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.44           |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 2.83           |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 5.09           |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 4.54           |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.63           |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 6.95           |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 6.53           |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 5.82           |
| Tj = dual mode temperature in colder climates (COPd)  |    | 1.82           |
| Tj = dual mode temperature under moderate climatic conditions (COPd)                            |    | 1.82           |
| Tj = dual mode temperature in warmer climates (COPd)  |    | 2.83           |
| Tj = operating temperature limit in colder climates (COPd)                                      |    | 2.3            |

|   |   |          |
|---|---|----------|
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |   | 1.82     |
| For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd)                             |   | 0.00     |
| Heating water operating temperature limit (WTOL)  | °C  | 65       |
| Power consumption, OFF state (Poff)   | W   | 25       |
| Power consumption, thermostat OFF state (PTO)   | W   | 25       |
| Standby power consumption (PSB)   | W   | 25       |
| Power consumption, operating state, with crankcase heating (PCK)                          | W   | 0        |
| Booster heater heating output (PSUB)  | kW  | 3.53     |
| Type of energy supply, booster heater   |   | electric |
| Power control   |   | variable |
| Sound power level external  | dB(A)   | 50       |
| Sound power level internal  | dB(A)   | 51       |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a   | 13872    |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a   | 6707     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a   | 2227     |
| Flow rate, heat source side   | m <sup>3</sup> /h   | 2300     |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |