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**STIEBEL ELTRON** WPL 25 AS



55 °C

35 °C



55 dB

|      |      |
|------|------|
| ■ 22 | ■ 21 |
| ■ 15 | ■ 15 |
| ■ 7  | ■ 8  |
| kW   | kW   |

2019

811/2013

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

|   |       | <b>WPL 25 AS</b>  |
|---|-------|---|
|   |       | 236642  |
| 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    | 15  |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW    | 15  |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %     | 136   |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %     | 173   |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a | 8940  |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a | 7055  |
| Sound power level external  | dB(A) | 55  |
| 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    | 22  |
| Rated heating output in colder climates for low temperature applications (Prated)                       | kW    | 21  |
| 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    | 8   |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %     | 126   |
| Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )       | %     | 153   |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %     | 155   |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %     | 206   |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a | 16814   |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a | 13312   |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a | 2367  |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a | 2050  |



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**STIEBEL ELTRON**

WPL 25 AS



A<sup>++</sup>

A<sup>+++</sup>

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A<sup>+</sup>

A

B

C

D

E

F

G

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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 / (S.I. 2019 No. 539 / Schedule 2)**

|   |   | <b>WPL 25 AS</b> |
|---|---|------------------|
|   |   | 236642           |
| Manufacturer  |   | STIEBEL ELTRON   |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 136              |
| 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   | % | 140              |
| Room heating energy efficiency of composite system under colder climatic conditions   | % | 130              |
| Room heating energy efficiency of composite system under warmer climatic conditions   | % | 159              |
| 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 | % | 20               |
| 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 25 AS</b> |
|---|----|------------------|
|   |    | 236642           |
| 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 | 22               |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW | 15               |
| 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 | 13.5             |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 13.8             |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 14.0             |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 7.9              |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 7.7              |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 7.4              |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 8.0              |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 7.9              |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 7.7              |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 7.1              |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 9.0              |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 6.9              |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 12.8             |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 12.4             |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 7.4              |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 23.2             |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 13.4             |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 7.4              |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                   | kW | 13.4             |
| Dual mode temperature in colder climates (Tbiv)   | °C | -7               |
| 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)   | %  | 126              |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 136              |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 155              |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 2.65             |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 2.43             |
| Tj = -7 °C COP, partial load range in warmer climates (COPd)                                    |    | 2.36             |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 3.75             |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.37             |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 2.59             |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 4.86             |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 4.45             |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.60             |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 6.35             |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 6.66             |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 5.51             |
| Tj = dual mode temperature in colder climates (COPd)  |    | 2.90             |

|   |   |          |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd)                      |   | 2.53     |
| Tj = dual mode temperature in warmer climates (COPd)                                      |   | 2.59     |
| Tj = operating temperature limit in colder climates (COPd)                                |   | 2.28     |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |   | 2.28     |
| Tj = operating temperature limit in warmer climates (COPd)                                |   | 2.59     |
| For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd)                             |   | 2.28     |
| Operating temperature limit in colder climates (TOL)                                      | °C  | -20      |
| Operating temperature limit in moderate climates (TOL)                                    | °C  | -10      |
| Operating temperature limit in warmer climates (TOL)                                      | °C  | 2        |
| Heating water operating temperature limit in colder climates (WTOL)                       | °C  | 65       |
| Heating water operating temperature limit (WTOL)  | °C  | 65       |
| Heating water operating temperature limit in warmer climates (WTOL)                       | °C  | 65       |
| Power consumption, OFF state (Poff)   | W   | 16       |
| Power consumption, thermostat OFF state (PTO)   | W   | 16       |
| Standby power consumption (PSB)   | W   | 16       |
| Power consumption, operating state, with crankcase heating (PCK)                          | W   | 43       |
| Booster heater heating output in colder climates (Psup)                                   | kW  | 10.9     |
| Booster heater heating output in moderate climate (Psup)                                  | kW  | 1.6      |
| Booster heater heating output in warmer climates (Psup)                                   | kW  | 0.0      |
| Type of energy supply, booster heater   |   | electric |
| Power control   |   | variable |
| Sound power level external  | dB(A)   | 55       |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a   | 16814    |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a   | 8940     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a   | 2367     |
| Flow rate, heat source side   | m <sup>3</sup> /h   | 4000     |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |