



# ENERGY

**STIEBEL ELTRON**

WPE-I 04 HW 230  
Premium



**A+++**



**A**

43 dB



- 4 kW
- 4 kW
- 4 kW

2019

811/2013

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

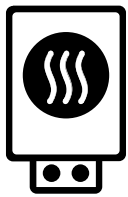
|   |       | <b>WPE-I 04 HW 230 Premium</b>  |
|---|-------|---|
|   |       | 202614  |
| Manufacturer  |       | STIEBEL ELTRON  |
| Load profile  |       | XL  |
| Energy efficiency class for central heating in moderate climates for medium temperature applications    |       | A+++  |
| Energy efficiency 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    | 4   |
| 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 | 1934  |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a | 1723  |
| Annual power consumption in moderate climates (AEC)   | kWh/a | 1556  |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %     | 152.9   |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %     | 194.8   |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions                    | %     | 108   |
| Sound power level internal  | dB(A) | 43  |
| 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    | 4   |
| 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    | 4   |
| 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 | 2252  |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a | 2000  |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a | 1300  |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a | 1159  |
| Annual power consumption in colder climates (AEC)   | kWh/a | 1556  |
| Annual power consumption in warmer climates (AEC)   | kWh/a | 1556  |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %     | 156.8   |
| Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )       | %     | 200.5   |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %     | 146.7   |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %     | 186.9   |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under colder climatic conditions                      | %     | 108   |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under warmer climatic conditions                      | %     | 108   |
| Operation exclusively enabled during low load times   |       | -   |



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**STIEBEL ELTRON**

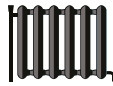
WPE-I 04 HW 230 Premium



A+++



A



A+++

A++

A+

A

B

C

D

E

F

G

A+++

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+



+



A+++

A++

A+

A

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A

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

|   |   | <b>WPE-I 04 HW 230 Premium</b> |
|---|---|--------------------------------|
|   |   | 202614                         |
| Manufacturer  |   | STIEBEL ELTRON                 |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 152.9                          |
| Contribution of temperature controller to room heating energy efficiency  | % | 3.5                            |
| Room heating energy efficiency of composite system under moderate climatic conditions   | % | 156.4                          |
| Room heating energy efficiency of composite system under colder climatic conditions   | % | 160.3                          |
| Room heating energy efficiency of composite system under warmer climatic conditions   | % | 150.2                          |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 3.9                            |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 6.1                            |
| 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

|   |    | WPE-I 04 HW 230 Premium |
|---|----|-------------------------|
|   |    | 202614                  |
| Manufacturer  |    | STIEBEL ELTRON          |
| Heat source   |    | Brine                   |
| 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 | 4                       |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW | 4                       |
| Rated heating output in warmer climates for average temperature applications (Prated)           | kW | 4                       |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh)                          | kW | 2.27                    |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 3.32                    |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 1.38                    |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 2.02                    |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 3.76                    |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 1.09                    |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 1.3                     |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 2.41                    |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 1.09                    |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 1.08                    |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 1.08                    |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 3.76                    |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 3.76                    |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 3.76                    |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 3.76                    |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 3.76                    |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 3.76                    |
| Dual mode temperature in colder climates (Tbiv)   | °C | -22                     |
| Dual mode temperature in moderate climates (Tbiv)   | °C | -10                     |
| Dual mode temperature in warmer climates (Tbiv)   | °C | 2                       |
| Seasonal room heating efficiency in colder climates for average temperature applications (ηs)   | %  | 156.8                   |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 152.9                   |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 146.7                   |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 4.1                     |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 3.58                    |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 4.37                    |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 4.22                    |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.43                    |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 4.51                    |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 4.47                    |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.95                    |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 4.52                    |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 4.49                    |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 4.39                    |
| Tj = dual mode temperature in colder climates (COPd)  |    | 3.43                    |
| Tj = dual mode temperature under moderate climatic conditions (COPd)                            |    | 3.43                    |
| Tj = dual mode temperature in warmer climates (COPd)  |    | 3.43                    |

|   |   |          |
|---|---|----------|
| T <sub>j</sub> = operating temperature limit in colder climates (COP <sub>d</sub> )                 |   | 3.43     |
| T <sub>j</sub> = operating temperature limit under moderate climatic conditions (COP <sub>d</sub> ) |   | 3.43     |
| T <sub>j</sub> = operating temperature limit in warmer climates (COP <sub>d</sub> )                 |   | 3.43     |
| Operating temperature limit in moderate climates (TOL)  | °C  | -10      |
| Heating water operating temperature limit (WTOL)  | °C  | 75       |
| Power consumption, OFF state (P <sub>off</sub> )  | 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   | 0        |
| Booster heater heating output in colder climates (P <sub>sup</sub> )                                | kW  | 0        |
| Booster heater heating output (P <sub>SUB</sub> )   | kW  | 0        |
| Booster heater heating output in warmer climates (P <sub>sup</sub> )                                | kW  | 0        |
| Type of energy supply, booster heater   |   | electric |
| Power control   |   | variable |
| Sound power level internal  | dB(A)   | 43       |
| Annual energy consumption in colder climates for average temperature applications (QHE)             | kWh/a   | 2252     |
| Annual energy consumption in moderate climates for average temperature applications (QHE)           | kWh/a   | 1934     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)             | kWh/a   | 1300     |
| Flow rate, heat source side   | m <sup>3</sup> /h   | 0,5      |
| Load profile  |   | XL       |
| Daily power consumption in colder climates (QELEC)  | kWh   | 7.08     |
| Daily power consumption (Qelec)   | kWh   | 7.08     |
| Daily power consumption in warmer climates (QELEC)  | kWh   | 7.08     |
| Annual power consumption in colder climates (AEC)   | kWh/a   | 1556     |
| Annual power consumption in moderate climates (AEC)   | kWh/a   | 1556     |
| Annual power consumption in warmer climates (AEC)   | kWh/a   | 1556     |
| Energy efficiency for DHW heating (Γ <sub>wh</sub> ) under moderate climatic conditions             | %   | 108      |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |