



# ENERGY

**STIEBEL ELTRON**

WPE-I 12 HKW 230  
Premium



**A+++**



**A**

44 dB



- 12 kW
- 12 kW
- 12 kW

2019

811/2013

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

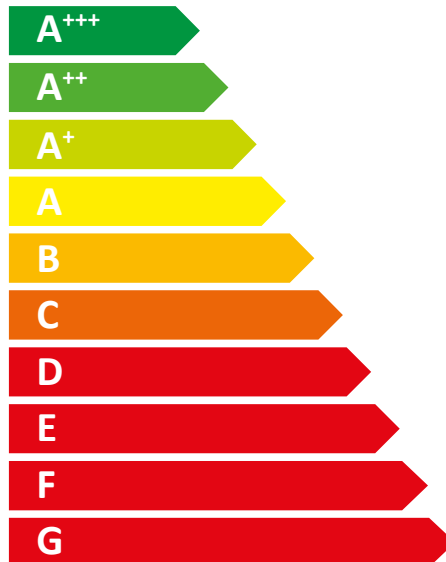
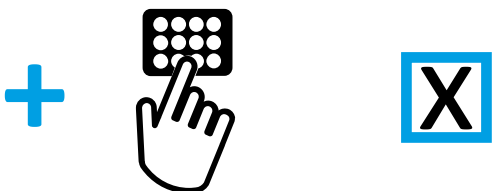
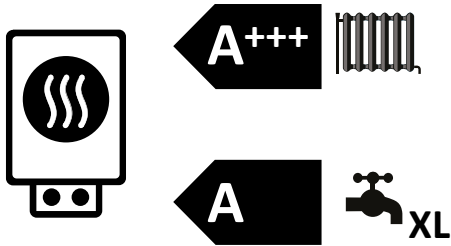
|   |   | <b>WPE-I 12 HKW 230 Premium</b> |
|---|---|---------------------------------|
|   |   | 202480                          |
| Manufacturer  |   | STIEBEL ELTRON                  |
| Load profile  |   | XL                              |
| Energy efficiency class for central heating in moderate 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  | 12                              |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW  | 12                              |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a   | 5607                            |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a   | 4445                            |
| Annual power consumption in moderate climates (AEC)   | kWh/a   | 1451                            |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %   | 169                             |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %   | 216                             |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions                    | %   | 115                             |
| Sound power level internal  | dB(A)   | 44                              |
| 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  | 12                              |
| Rated heating output in colder climates for low temperature applications (Prated)                       | kW  | 12                              |
| Rated heating output in warmer climates for average temperature applications (Prated)                   | kW  | 12                              |
| Rated heating output in warmer climates for low temperature applications (Prated)                       | kW  | 12                              |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a   | 6485                            |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a   | 5108                            |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a   | 3650                            |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a   | 2896                            |
| Annual power consumption in colder climates (AEC)   | kWh/a   | 1451                            |
| Annual power consumption in warmer climates (AEC)   | kWh/a   | 1451                            |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %   | 174.3                           |
| Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )       | %   | 224.1                           |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %   | 167.6                           |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %   | 213.9                           |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under colder climatic conditions                      | %   | 115                             |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under warmer climatic conditions                      | %   | 115                             |
| Operation exclusively enabled during low load times   |   | -                               |



# ENERGY

**STIEBEL ELTRON**

WPE-I 12 HKW 230 Premium



**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>WPE-I 12 HKW 230 Premium</b> |
|---|---|---------------------------------|
|   |   | 202480                          |
| Manufacturer  |   | STIEBEL ELTRON                  |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 169                             |
| Contribution of temperature controller to room heating energy efficiency  | % | 4                               |
| Room heating energy efficiency of composite system under moderate climatic conditions   | % | 172.3                           |
| Room heating energy efficiency of composite system under colder climatic conditions   | % | 177.8                           |
| Room heating energy efficiency of composite system under warmer climatic conditions   | % | 171.1                           |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 5.6                             |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 1.2                             |
| 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 12 HKW 230 Premium |
|---|----|--------------------------|
|   |    | 202480                   |
| 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 | 12                       |
| 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 | 12                       |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh)                          | kW | 7.24                     |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 10.59                    |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 4.4                      |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 6.44                     |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 11.99                    |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 2.82                     |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 4.13                     |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 7.69                     |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 2.23                     |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 2.21                     |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 3.41                     |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 11.99                    |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 11.99                    |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 11.99                    |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 11.99                    |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 11.99                    |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 11.99                    |
| 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)   | %  | 174.3                    |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 169                      |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 167.6                    |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 4.31                     |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 3.55                     |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 4.91                     |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 4.49                     |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.29                     |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 5.16                     |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 4.99                     |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 4.12                     |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 5.4                      |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 5,25                     |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 5.1                      |
| Tj = dual mode temperature in colder climates (COPd)  |    | 3.29                     |
| Tj = dual mode temperature under moderate climatic conditions (COPd)                            |    | 3.29                     |
| Tj = dual mode temperature in warmer climates (COPd)  |    | 3.29                     |

|   |   |          |
|---|---|----------|
| Tj = operating temperature limit in colder climates (COPd)                                |   | 3.29     |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |   | 3.29     |
| Tj = operating temperature limit in warmer climates (COPd)                                |   | 3.29     |
| Operating temperature limit in moderate climates (TOL)                                    | °C  | -10.000  |
| Heating water operating temperature limit (WTOL)  | °C  | 75       |
| Power consumption, OFF state (Poff)   | W   | 19.000   |
| Power consumption, thermostat OFF state (PTO)   | W   | 19       |
| Standby power consumption (PSB)   | W   | 19.000   |
| Power consumption, operating state, with crankcase heating (PCK)                          | W   | 0.000    |
| Booster heater heating output in colder climates (Psup)                                   | kW  | 0        |
| Booster heater heating output (PSUB)  | kW  | 0        |
| Booster heater heating output in warmer climates (Psup)                                   | kW  | 0        |
| Type of energy supply, booster heater   |   | electric |
| Power control   |   | variable |
| Sound power level internal  | dB(A)   | 44       |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a   | 6485     |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a   | 5607     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a   | 3650     |
| Flow rate, heat source side   | m <sup>3</sup> /h   | 1,08     |
| Load profile  |   | XL       |
| Daily power consumption in colder climates (QELEC)  | kWh   | 6.61     |
| Daily power consumption (Qelec)   | kWh   | 6.61     |
| Daily power consumption in warmer climates (QELEC)  | kWh   | 6.61     |
| Annual power consumption in colder climates (AEC)   | kWh/a   | 1451     |
| Annual power consumption in moderate climates (AEC)                                       | kWh/a   | 1451     |
| Annual power consumption in warmer climates (AEC)   | kWh/a   | 1451     |
| Energy efficiency for DHW heating ( $\Gamma_{wh}$ ) under moderate climatic conditions    | %   | 115      |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |