



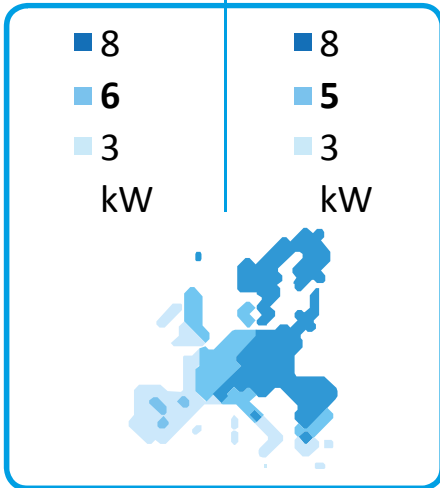
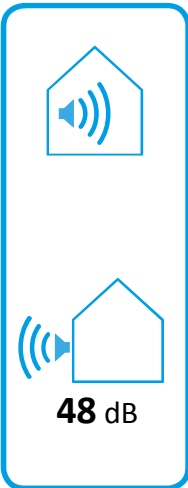
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**STIEBEL ELTRON** WPL-A 05 HK 230  
Premium



55 °C

35 °C



2019

811/2013

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

|   |       | <b>WPL-A 05 HK 230 Premium</b>  |
|---|-------|---|
|   |       | 202669  |
| 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    | 6   |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW    | 5   |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %     | 151   |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %     | 185   |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a | 3021  |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a | 2415  |
| Sound power level external  | dB(A) | 48  |
| 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    | 8   |
| Rated heating output in colder climates for low temperature applications (Prated)                       | kW    | 8   |
| Rated heating output in warmer climates for average temperature applications (Prated)                   | kW    | 3   |
| Rated heating output in warmer climates for low temperature applications (Prated)                       | kW    | 3   |
| 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 ( $\eta_s$ )       | %     | 150   |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %     | 143   |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %     | 207   |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a | 5927  |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a | 5239  |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a | 1085  |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a | 768   |



# ENERG

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**STIEBEL ELTRON**

WPL-A 05 HK 230 Premium





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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-A 05 HK 230 Premium</b> |
|---|---|--------------------------------|
|   |   | 202669                         |
| Manufacturer  |   | STIEBEL ELTRON                 |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 151                            |
| 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   | % | 155                            |
| Room heating energy efficiency of composite system under colder climatic conditions   | % | 130                            |
| Room heating energy efficiency of composite system under warmer climatic conditions   | % | 147                            |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 25                             |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 8                              |
| 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-A 05 HK 230 Premium |
|---|----|-------------------------|
|   |    | 202669                  |
| Manufacturer  |    | STIEBEL ELTRON          |
| Heat source   |    | Outside air             |
| Low temperature heat pump   |    | -                       |
| With booster heater   |    | x                       |
| Combi boiler with heat pump   |    | -                       |
| Rated heating output in colder climates for average temperature applications (Prated)           | kW | 8                       |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW | 6                       |
| Rated heating output in warmer climates for average temperature applications (Prated)           | kW | 3                       |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh)                          | kW | 4.7                     |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 5.0                     |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 2.9                     |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 3.0                     |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 3.0                     |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 3.1                     |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 3.0                     |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 2.7                     |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 3.6                     |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 3.6                     |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 3.5                     |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 4.7                     |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 5.0                     |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 3.0                     |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 2.6                     |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 4.1                     |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 3.0                     |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                   | kW | 3.6                     |
| 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)   | %  | 126                     |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 151                     |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 143                     |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 2.94                    |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 2.64                    |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 4.30                    |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.80                    |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 2.86                    |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 5.42                    |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 4.84                    |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.61                    |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 6.56                    |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 6.09                    |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 5.33                    |
| Tj = dual mode temperature in colder climates (COPd)  |    | 2.94                    |
| Tj = dual mode temperature under moderate climatic conditions (COPd)                            |    | 2.64                    |

|   |                   |          |
|---|-------------------|----------|
| Tj = dual mode temperature in warmer climates (COPd)                                      |                   | 2.86     |
| Tj = operating temperature limit in colder climates (COPd)                                |                   | 1.57     |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |                   | 2.22     |
| Tj = operating temperature limit in warmer climates (COPd)                                |                   | 2.86     |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd)                            |                   | 2.22     |
| Operating temperature limit in colder climates (TOL)                                      | °C                | -22      |
| 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                | 75       |
| Heating water operating temperature limit (WTOL)  | °C                | 75       |
| Heating water operating temperature limit in warmer climates (WTOL)                       | °C                | 75       |
| Power consumption, OFF state (Poff)   | W                 | 12       |
| Power consumption, thermostat OFF state (PTO)   | W                 | 10       |
| Standby power consumption (PSB)   | W                 | 12       |
| Power consumption, operating state, with crankcase heating (PCK)                          | W                 | 10       |
| Booster heater heating output in colder climates (Psup)                                   | kW                | 5.2      |
| Booster heater heating output in moderate climate (Psup)                                  | kW                | 1.5      |
| 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)             | 48       |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a             | 5927     |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a             | 3021     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a             | 1085     |
| Flow rate, heat source side   | m <sup>3</sup> /h | 2250     |

Special measures

For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions