



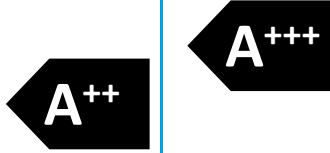
# ENERGY

**STIEBEL ELTRON** WPF 27 HT



55 °C

35 °C



64 dB

64 dB

|      |      |
|------|------|
| ■ 32 | ■ 34 |
| ■ 25 | ■ 27 |
| ■ 25 | ■ 27 |
| kW   | kW   |

2019

811/2013

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

|   |   | <b>WPF 27 HT</b> |
|---|---|------------------|
|   |   | 233009           |
| 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  | 25               |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW  | 27               |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %   | 131              |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %   | 175              |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a   | 14872            |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a   | 12359            |
| Sound power level internal  | dB(A)   | 64               |
| Sound power level external  | dB(A)   | 64               |
| 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  | 32               |
| Rated heating output in colder climates for low temperature applications (Prated)                       | kW  | 34               |
| Rated heating output in warmer climates for average temperature applications (Prated)                   | kW  | 25               |
| Rated heating output in warmer climates for low temperature applications (Prated)                       | kW  | 27               |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %   | 136              |
| Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )       | %   | 180              |
| Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )   | %   | 131              |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %   | 174              |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a   | 21670            |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a   | 17849            |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a   | 9675             |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a   | 8031             |



# ENERGY

**STIEBEL ELTRON**

WPF 27 HT



**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**

|   |   | <b>WPF 27 HT</b> |
|---|---|------------------|
|   |   | 233009           |
| Manufacturer  |   | STIEBEL ELTRON   |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 131              |
| Temperature controller class  |   | VII              |
| Contribution of temperature controller to room heating energy efficiency  | % | 3.5              |
| Room heating energy efficiency of composite system under moderate climatic conditions   | % | 135              |
| Room heating energy efficiency of composite system under colder climatic conditions   | % | 140              |
| Room heating energy efficiency of composite system under warmer climatic conditions   | % | 135              |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 5                |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 0                |
| 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

|   |    | WPF 27 HT      |
|---|----|----------------|
|   |    | 233009         |
| Manufacturer  |    | STIEBEL ELTRON |
| Heat source   |    | Brine          |
| With booster heater   |    | -              |
| Combi boiler with heat pump   |    | -              |
| Rated heating output in colder climates for average temperature applications (Prated)           | kW | 32             |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW | 25             |
| Rated heating output in warmer climates for average temperature applications (Prated)           | kW | 25             |
| Tj = -7 °C heating output, partial load range in colder climates (Pdh)                          | kW | 26.1           |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 25.3           |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 25.1           |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 26.6           |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 26.1           |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 25.1           |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 27             |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 26.6           |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 25.8           |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 27.3           |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 27.1           |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 26.8           |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 25.8           |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 25.1           |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 25.1           |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 25.1           |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 25.1           |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 25.1           |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                   | kW | 25.1           |
| Dual mode temperature in colder climates (Tbiv)   | °C | -15            |
| 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)   | %  | 136            |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %  | 131            |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %  | 131            |
| Tj = -7 °C COP, partial load range in colder climates (COPd)                                    |    | 3.46           |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 3.06           |
| Tj = -7 °C COP, partial load range in warmer climates (COPd)                                    |    | 2.96           |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 3.77           |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.48           |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 2.96           |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 4.05           |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.78           |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.29           |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 4.28           |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 4,12           |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 3.89           |
| Tj = dual mode temperature in colder climates (COPd)  |    | 3.29           |

|   |   |          |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd)                      |   | 2.96     |
| Tj = dual mode temperature in warmer climates (COPd)                                      |   | 2.96     |
| Tj = operating temperature limit in colder climates (COPd)                                |   | 2.96     |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |   | 2.96     |
| Tj = operating temperature limit in warmer climates (COPd)                                |   | 2.96     |
| For air/water heat pumps: Tj= -15 °C (if TOL < -20 °C) (COPd)                             |   | 2.96     |
| Heating water operating temperature limit (WTOL)  | °C  | 75       |
| Power consumption, OFF state (Poff)   | W   | 0        |
| Power consumption, thermostat OFF state (PTO)   | W   | 3        |
| Standby power consumption (PSB)   | W   | 3        |
| Power consumption, operating state, with crankcase heating (PCK)                          | W   | 46       |
| Booster heater heating output (PSUB)  | kW  | 0        |
| Type of energy supply, booster heater   |   | electric |
| Power control   |   | Fixed    |
| Sound power level external  | dB(A)   | 64       |
| Sound power level internal  | dB(A)   | 64       |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a   | 21670    |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a   | 14872    |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a   | 9675     |
| Flow rate, heat source side   | m <sup>3</sup> /h   | 6,75     |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |