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**STIEBEL ELTRON** WPF 07 S



55 °C

35 °C



A++

A+++

47 dB

|     |     |
|-----|-----|
| ■ 9 | ■ 9 |
| ■ 7 | ■ 8 |
| ■ 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>WPF 07 S</b>   |
|---|-------|---|
|   |       | 232923  |
| 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    | 7   |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW    | 8   |
| 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 ( $\eta_s$ )     | %     | 204   |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a | 4113  |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a | 2964  |
| Sound power level internal  | dB(A) | 47  |
| 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    | 9   |
| Rated heating output in colder climates for low temperature applications (Prated)                       | kW    | 9   |
| 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 ( $\eta_s$ )   | %     | 137   |
| Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )       | %     | 212   |
| 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 ( $\eta_s$ )       | %     | 204   |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a | 5947  |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a | 4238  |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a | 2667  |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a | 1918  |



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**STIEBEL ELTRON**

WPF 07 S



 

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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>WPF 07 S</b> |
|---|---|-----------------|
|   |   | 232923          |
| 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  | % | 3.50            |
| Room heating energy efficiency of composite system under moderate climatic conditions   | % | 135             |
| Room heating energy efficiency of composite system under colder climatic conditions   | % | 141             |
| 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 | % | 6               |
| 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 07 S       |
|---|----|----------------|
|   |    | 232923         |
| Manufacturer  |    | STIEBEL ELTRON |
| Heat source   |    | Brine          |
| With booster heater   |    | x              |
| Combi boiler with heat pump   |    | -              |
| Rated heating output in colder climates for average temperature applications (Prated)           | kW | 9              |
| Rated heating output in moderate climates for average temperature applications (Prated)         | kW | 7              |
| 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 | 7.2            |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 7.00           |
| Tj = -7 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 6.9            |
| Tj = 2 °C heating output, partial load range in colder climates (Pdh)                           | kW | 7.4            |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 7.20           |
| Tj = 2 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 6.9            |
| Tj = 7 °C heating output, partial load range in colder climates (Pdh)                           | kW | 7.5            |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW | 7.40           |
| Tj = 7 °C heating output, partial load range in warmer climates (Pdh)                           | kW | 7.1            |
| Tj = 12 °C heating output, partial load range in colder climates (Pdh)                          | kW | 7.6            |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW | 7.50           |
| Tj = 12 °C heating output, partial load range in warmer climates (Pdh)                          | kW | 7.4            |
| Tj = dual mode temperature in colder climates (Pdh)   | kW | 7.1            |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW | 6.90           |
| Tj = dual mode temperature in warmer climates (Pdh)   | kW | 6.9            |
| Tj = operating temperature limit in colder climates (Pdh)                                       | kW | 6.9            |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW | 6.90           |
| Tj = operating temperature limit in warmer climates (Pdh)                                       | kW | 6.9            |
| For air/water heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)                                   | kW | 6.90           |
| 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)   | %  | 137            |
| 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)                                    |    | 3.4            |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 2.86           |
| Tj = -7 °C COP, partial load range in warmer climates (COPd)                                    |    | 2.73           |
| Tj = 2 °C COP, partial load range in colder climates (COPd)                                     |    | 3.84           |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.41           |
| Tj = 2 °C COP, partial load range in warmer climates (COPd)                                     |    | 2.73           |
| Tj = 7 °C COP, partial load range in colder climates (COPd)                                     |    | 4.28           |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |    | 3.85           |
| Tj = 7 °C COP, partial load range in warmer climates (COPd)                                     |    | 3.15           |
| Tj = 12 °C COP, partial load range in colder climates (COPd)                                    |    | 4.65           |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |    | 4.39           |
| Tj = 12 °C COP, partial load range in warmer climates (COPd)                                    |    | 4.02           |
| Tj = dual mode temperature in colder climates (COPd)  |    | 3.16           |

|   |   |          |
|---|---|----------|
| Tj = dual mode temperature under moderate climatic conditions (COPd)                      |   | 2.73     |
| Tj = dual mode temperature in warmer climates (COPd)                                      |   | 2.73     |
| Tj = operating temperature limit in colder climates (COPd)                                |   | 2.73     |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                |   | 2.73     |
| Tj = operating temperature limit in warmer climates (COPd)                                |   | 2.73     |
| For air/water heat pumps:Tj= -15 °C (if TOL< -20 °C) (COPd)                               |   | 2.73     |
| Heating water operating temperature limit (WTOL)  | °C  | 60       |
| Power consumption, OFF state (Poff)   | W   | 0.000    |
| Power consumption, thermostat OFF state (PTO)   | W   | 55       |
| Standby power consumption (PSB)   | W   | 10.000   |
| Power consumption, operating state, with crankcase heating (PCK)                          | W   | 0.000    |
| Booster heater heating output (PSUB)  | kW  | 0.000    |
| Type of energy supply, booster heater   |   | electric |
| Power control   |   | Fixed    |
| Sound power level internal  | dB(A)   | 47       |
| Annual energy consumption in colder climates for average temperature applications (QHE)   | kWh/a   | 5947     |
| Annual energy consumption in moderate climates for average temperature applications (QHE) | kWh/a   | 4113     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)   | kWh/a   | 2667     |
| Flow rate, heat source side   | m <sup>3</sup> /h   | 1.76     |
| Special measures  | For all special measures to be taken during assembly, installation or maintenance of the room heater, see the installation instructions |          |