



# ENERGY

## STIEBEL ELTRON HPA-O 4 CS Plus flex Set



55 °C

35 °C



A+

A++

52 dB

|     |     |
|-----|-----|
| ■ 5 | ■ 4 |
| ■ 4 | ■ 5 |
| ■ 3 | ■ 4 |
| kW  | kW  |

2019

811/2013

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

|   |   | <b>HPA-O 4 CS Plus flex Set</b> |
|---|---|---------------------------------|
|   |   | 239052                          |
| 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  | 4                               |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW  | 5                               |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ ) | %   | 113                             |
| Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )     | %   | 163                             |
| Annual energy consumption in moderate climates for average temperature applications (QHE)               | kWh/a   | 2618                            |
| Annual energy consumption in moderate climates for low temperature applications (QHE)                   | kWh/a   | 2265                            |
| Sound power level external  | dB(A)   | 52                              |
| 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  | 5                               |
| 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  | 3                               |
| Rated heating output in warmer climates for low temperature applications (Prated)                       | kW  | 4                               |
| Seasonal room heating efficiency in colder climates for average temperature applications ( $\eta_s$ )   | %   | 105                             |
| 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 ( $\eta_s$ )   | %   | 139                             |
| Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )       | %   | 206                             |
| Annual energy consumption in colder climates for average temperature applications (QHE)                 | kWh/a   | 4884                            |
| Annual energy consumption in colder climates for low temperature applications (QHE)                     | kWh/a   | 2757                            |
| Annual energy consumption in warmer climates for average temperature applications (QHE)                 | kWh/a   | 1467                            |
| Annual energy consumption in warmer climates for low temperature applications (QHE)                     | kWh/a   | 889                             |



# ENERGY

**STIEBEL ELTRON**

HPA-O 4 CS Plus flex Set



**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 / (S.I. 2019 No. 539 / Schedule 2)**

|   |   | <b>HPA-O 4 CS Plus flex Set</b> |
|---|---|---------------------------------|
|   |   | 239052                          |
| Manufacturer  |   | STIEBEL ELTRON                  |
| Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )                                   | % | 113                             |
| 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   | % | 117                             |
| Room heating energy efficiency of composite system under colder climatic conditions   | % | 109                             |
| Room heating energy efficiency of composite system under warmer climatic conditions   | % | 143                             |
| Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions | % | 8                               |
| Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions | % | 26                              |
| 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

|   |       | HPA-O 4 CS Plus flex Set |
|---|-------|--------------------------|
|   |       | 239052                   |
| 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    | 5                        |
| 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    | 3                        |
| Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW    | 3.4                      |
| Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW    | 2                        |
| Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)           | kW    | 1.3                      |
| Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)          | kW    | 1.5                      |
| Tj = dual mode temperature under moderate climatic conditions (Pdh)                             | kW    | 3                        |
| Tj = operating temperature limit under moderate climatic conditions (Pdh)                       | kW    | 3.4                      |
| For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh)                                     | kW    | 0                        |
| Dual mode temperature in moderate climates (Tbiv)   | °C    | -5                       |
| Seasonal room heating efficiency in colder climates for average temperature applications (ηs)   | %     | 105                      |
| Seasonal room heating efficiency in moderate climates for average temperature applications (ηs) | %     | 113                      |
| Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)   | %     | 139                      |
| Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)                    |       | 2.05                     |
| Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)                     |       | 2.94                     |
| Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)                     |       | 4.13                     |
| Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)                    |       | 5.97                     |
| Tj = dual mode temperature under moderate climatic conditions (COPd)                            |       | 2.15                     |
| Tj = operating temperature limit under moderate climatic conditions (COPd)                      |       | 2.05                     |
| For air/water heat pumps:Tj= -15°C (if TOL< -20 °C) (COPd)                                      |       | 0                        |
| Operating temperature limit in moderate climates (TOL)  | °C    | -7                       |
| Heating water operating temperature limit (WTOL)  | °C    | 60                       |
| Power consumption, OFF state (Poff)   | W     | 17                       |
| Power consumption, thermostat OFF state (PTO)   | W     | 30                       |
| Standby power consumption (PSB)   | W     | 17                       |
| Power consumption, operating state, with crankcase heating (PCK)                                | W     | 5                        |
| Booster heater heating output (PSUB)  | kW    | 3.69                     |
| Type of energy supply, booster heater   |       | electric                 |
| Power control   |       | variable                 |
| Sound power level external  | dB(A) | 52                       |
| Annual energy consumption in colder climates for average temperature applications (QHE)         | kWh/a | 4884                     |
| Annual energy consumption in moderate climates for average temperature applications (QHE)       | kWh/a | 2618                     |
| Annual energy consumption in warmer climates for average temperature applications (QHE)         | kWh/a | 1467                     |
| Flow rate, heat source side   | m³/h  | 1300                     |

Special measures

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