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**STIEBEL ELTRON**

HPA-O 4 CS Plus  
 compact D Set



**A+**



**A**

Two icons of a house with sound waves. The top icon shows sound waves coming from the house, and the bottom icon shows sound waves going into the house. Below the bottom icon is the text "52 dB".



A legend for power output levels, consisting of three colored squares with corresponding text: a dark blue square for "4 kW", a medium blue square for "5 kW", and a light blue square for "4 kW".

2019

811/2013

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

|   |       | <b>HPA-O 4 CS Plus compact D Set</b> |
|---|-------|--------------------------------------|
|   |       | 239060                               |
| Manufacturer  |       | STIEBEL ELTRON                       |
| Load profile  |       | L                                    |
| 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    | 4                                    |
| Rated heating output in moderate climates for low temperature applications (Prated)                     | kW    | 5                                    |
| 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                                 |
| Annual power consumption in moderate climates (AEC)   | kWh/a | 905                                  |
| 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                                  |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions                    | %     | 113                                  |
| Sound power level external  | dB(A) | 52                                   |
| 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                                    |
| 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                                  |
| Annual power consumption in colder climates (AEC)   | kWh/a | 949                                  |
| Annual power consumption in warmer climates (AEC)   | kWh/a | 717                                  |
| 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                                  |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under colder climatic conditions                      | %     | 102                                  |
| Energy efficiency for DHW heating ( $\eta_{wh}$ ) under warmer climatic conditions                      | %     | 139                                  |



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**STIEBEL ELTRON**

HPA-O 4 CS Plus compact D Set

Energy efficiency icons: A+ (radiator), A (tap), and boiler icon.

Energy efficiency scale for heating system (radiator icon): A+++ (green), A++ (green), A+ (yellow-green), A (yellow), B (orange), C (orange-red), D (red), E (red), F (red), G (red). A+ label is shown on the right.

Energy efficiency icons: + solar panel, + hot water tank, + control panel, + boiler. Checkboxes: empty, empty, X, empty.

Energy efficiency scale for hot water system (tap icon): A+++ (green), A++ (green), A+ (yellow-green), A (yellow), B (orange), C (orange-red), D (red), E (red), F (red), G (red). A label is shown on the right.

**Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013**

|   |   | <b>HPA-O 4 CS Plus compact D Set</b> |
|---|---|--------------------------------------|
|   |   | 239060                               |
| 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+                                   |
| Energy efficiency category for DHW heating under moderate climatic conditions   |   | A                                    |
| Load profile  |   | L                                    |

**Required details about room heater and combi heater with heat pump to regulation (EU) no. 813/2013 & 811/2013**

|   |                   | <b>HPA-O 4 CS Plus compact D Set</b> |
|---|-------------------|--------------------------------------|
|   |                   | 239060                               |
| Manufacturer  |                   | STIEBEL ELTRON                       |
| Heat source   |                   | Outside air                          |
| 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                | 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 (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   | m <sup>3</sup> /h | 1300                                 |
| Load profile  |                   | L                                    |
| Daily power consumption (Qelec)   | kWh               | 4,31                                 |

|  |       |     |
|--|-------|-----|
| Annual power consumption in colder climates (AEC)                                      | kWh/a | 949 |
| Annual power consumption in moderate climates (AEC)                                    | kWh/a | 905 |
| Annual power consumption in warmer climates (AEC)                                      | kWh/a | 717 |
| Energy efficiency for DHW heating ( $\Gamma_{wh}$ ) under moderate climatic conditions | %     | 113 |



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**STIEBEL ELTRON** HSBC 200



**55 W**

**189 L**

2017

812/2013

**Product datasheet: DHW cylinder to regulation (EU) no. 812/2013**

|                                      |   |                 |
|--------------------------------------|---|-----------------|
|                                      |   | <b>HSBC 200</b> |
|                                      |   | 233510          |
| Manufacturer                         |   | STIEBEL ELTRON  |
| Model identification of the supplier |   | HSBC 200        |
| Energy efficiency class              |   | B               |
| Standby losses                       | W | 55              |
| Cylinder capacity                    | l | 189             |





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**STIEBEL ELTRON**

HPA-O 4 CS Plus

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**Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013**

|   |   | <b>HPA-O 4 CS Plus</b> |
|---|---|------------------------|
|   |   | 238985                 |
| 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**

|   |       | <b>HPA-O 4 CS Plus</b> |
|---|-------|------------------------|
|   |       | 238985                 |
| Manufacturer  |       | STIEBEL ELTRON         |
| Heat source   |       | Outside air            |
| Low temperature heat pump   |       | -                      |
| With booster heater   |       | -                      |
| 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                      |
| 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                   |