



ENERGY

STIEBEL ELTRON

HPA-O 4 CS Plus
compact Set



A+



A

Two icons showing sound power level: a speaker icon inside a house and a speaker icon next to a house icon. Below the second icon is the text "52 dB".



A legend for power output with three colored squares: dark blue for "4 kW", medium blue for "5 kW", and light blue for "4 kW".

2019

811/2013

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

| | | HPA-O 4 CS Plus compact Set |
|---|---|------------------------------------|
| | | 239056 |
| 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 (η_s) | % | 113 |
| Seasonal room heating efficiency in moderate climates for low temperature applications (η_s) | % | 163 |
| Energy efficiency for DHW heating (η_{wh}) under moderate climatic conditions | % | 113 |
| 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 |
| 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 (η_s) | % | 105 |
| Seasonal room heating efficiency in colder climates for low temperature applications (η_s) | % | 150 |
| Seasonal room heating efficiency in warmer climates for average temperature applications (η_s) | % | 139 |
| Seasonal room heating efficiency in warmer climates for low temperature applications (η_s) | % | 206 |
| Energy efficiency for DHW heating (η_{wh}) under colder climatic conditions | % | 102 |
| Energy efficiency for DHW heating (η_{wh}) under warmer climatic conditions | % | 139 |



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HPA-O 4 CS Plus compact Set

Energy label for heating system showing a boiler icon, a radiator icon, and a tap icon. The heating system is rated A+ and the tap is rated A.

Energy scale for heating system with a radiator icon. The scale ranges from A+++ (green) to G (red). A black arrow on the right points to the A+ rating.

Energy label for hot water system showing a solar panel icon, a hot water tank icon, a control panel icon, and a boiler icon. The solar panel, hot water tank, and boiler are marked with a plus sign and an empty square box. The control panel is marked with a plus sign and a square box containing an 'X'.

Energy scale for hot water system with a tap icon. The scale ranges from A+++ (green) to G (red). A black arrow on the right points to the A rating.

Product datasheet: Composite system consisting of room heater and temperature controller to regulation (EU) no. 811/2013 / (S.I. 2019 No. 539 / Schedule 2)

| | | HPA-O 4 CS Plus compact Set |
|---|---|------------------------------------|
| | | 239056 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal room heating efficiency in moderate climates for average temperature applications (η_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

| | | HPA-O 4 CS Plus compact Set |
|---|-------------------|------------------------------------|
| | | 239056 |
| 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 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 | m ³ /h | 1300 |
| Load profile | | L |
| 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 (Γ_{wh}) under moderate climatic conditions | % | 113 |

Special measures

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