



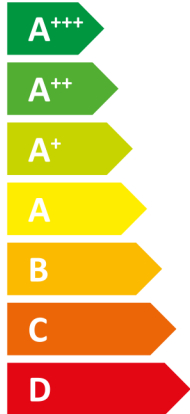
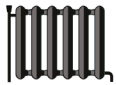
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STIEBEL ELTRON

HPA-O 4 CS Plus
compact Set 1.1



A+



-dB

52dB



- 5 kW
- 4 kW
- 4 kW

2019

811/2013

Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

| | | HPA-O 4 CS Plus compact Set 1.1 |
|--|-------|---|
| | | 204268 |
| Manufacturer | | STIEBEL ELTRON |
| Load profile | | L |
| Space heating energy efficiency class under average climate conditions, medium-temperature applications (A+++ -> D) | | A+ |
| Energy efficiency class, space heating under average climate conditions, low-temperature applications (A+++ -> D) | | A++ |
| Energy efficiency class, DHW heating under average climate conditions (A+++ -> D) | | - |
| Rated heating output under average climate conditions for medium-temperature applications (P rated) | kW | 4 |
| Rated heating output under average climate conditions for low-temperature applications (P rated) | kW | 5 |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a | 2618 |
| Annual energy consumption under average climate conditions for low-temperature applications (QHE) | kWh/a | 2265 |
| Annual power consumption under average climate conditions (AEC) | kWh | 880 |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (η_s) | % | 116 |
| Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s) | % | 163 |
| Energy efficiency, DHW heating (η_{wh}), under average climate conditions | % | 116.3 |
| Sound power level, indoor | | - |
| Option for operation only at off-peak times | | - |
| Special measures | | Alle beim Zusammenbau, der Installation oder Wartung des Raumheizgerätes zu treffenden besonderen Vorkehrungen: Siehe Installation- und Montageanweisung |
| Rated heating output under colder climate conditions for medium-temperature applications (P rated) | kW | 5 |
| Rated heating output under colder climate conditions for low-temperature applications (P rated) | kW | 4 |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated) | kW | 4 |
| Rated heating output under warmer climate conditions for low-temperature applications (P rated) | kW | 3 |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) | kWh/a | 4884 |
| Annual energy consumption under colder climate conditions for low-temperature applications (QHE) | kWh/a | 2757 |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) | kWh/a | 1467 |
| Annual energy consumption under warmer climate conditions for low-temperature applications (QHE) | kWh/a | 889 |
| Annual power consumption under colder climate conditions (AEC) | | - |
| Annual power consumption under warmer climate conditions (AEC) | | - |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (η_s) | % | 105 |
| Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (η_s) | % | 150 |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (η_s) | % | 139 |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η_s) | % | 206 |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η_s) | % | 206 |
| Energy efficiency, DHW heating (η_{wh}), warmer climates | | - |
| Sound power level, outdoor | dB(A) | 52 |



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HPA-O 4 CS Plus compact Set 1.1

STIEBEL ELTRON

Icons representing a boiler, an A+ energy class label, a radiator, and a tap with an XL label.

Energy efficiency scale from A+++ (green) to G (red). An A+ label points to the A+ level.

+
 +
 +
 +

Tap with XL label icon and energy efficiency scale from A+++ (green) to G (red). A label points to the A- level.

Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

| | | HPA-O 4 CS Plus compact Set 1.1 |
|---|---|--|
| | | 204268 |
| Manufacturer | | STIEBEL ELTRON |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (η_s) | % | 116 |
| Temperature control class | | VI |
| Contribution of temperature control to space heating energy efficiency | % | 4 |
| Space heating energy efficiency of package under average climate conditions | % | 120 |
| Space heating energy efficiency of package under colder climate conditions | % | 109 |
| Space heating energy efficiency of package under warmer climate conditions | % | 143 |
| Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions | % | 8 |
| Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions | % | 26 |
| Space heating energy efficiency class under average climate conditions, medium-temperature applications (A+++ -> D) | | A+ |
| Space heating energy efficiency class of package under average climate conditions (A+++ -> D) | | A+ |
| Energy efficiency class, DHW heating under average climate conditions (A+++ -> D) | | - |
| Load profile | | L |

Product datasheet: Combination heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

| | | HPA-O 4 CS Plus compact Set 1.1 |
|--|--------|--|
| | | 204268 |
| Manufacturer | | STIEBEL ELTRON |
| Heat source | | Luft |
| Low temperature heat pump | | - |
| With auxiliary heater | | - |
| Combination heater with heat pump | | - |
| Rated heating output under colder climate conditions for medium-temperature applications (P rated) | kW | 5 |
| Rated heating output under average climate conditions for medium-temperature applications (P rated) | kW | 4 |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated) | kW | 4 |
| Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 3.2 |
| Tj = -7 °C heating output, partial load range under average climate conditions (Pdh) | kW | 3.4 |
| Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 2 |
| Tj = 2 °C heating output, partial load range under average climate conditions (Pdh) | kW | 2 |
| Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 3.9 |
| Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 2.5 |
| Tj = 7 °C heating output, partial load range under average climate conditions (Pdh) | kW | 1.3 |
| Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 1.3 |
| Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 1.5 |
| Tj = 12 °C heating output, partial load range under average climate conditions (Pdh) | kW | 1.5 |
| Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 1.5 |
| Tj = dual mode temperature under colder climate conditions (Pdh) | kW | 3.8 |
| Tj = dual mode temperature under average climate conditions (Pdh) | kW | 3 |
| Tj = dual mode temperature under warmer climate conditions (Pdh) | kW | 4 |
| Tj = operating temperature limit under colder climate conditions (Pdh) | kW | 3.2 |
| Tj = operating temperature limit under average climate conditions (Pdh) | kW | 3.4 |
| Tj = operating temperature limit under warmer climate conditions (Pdh) | kW | 3.9 |
| For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh) | kW | 0 |
| Dual mode temperature under colder climate conditions (Tbiv) | Grad C | -10 |
| Dual mode temperature under average climate conditions (Tbiv) | Grad C | -5 |
| Dual mode temperature under warmer climate conditions (Tbiv) | Grad C | 2 |
| Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs) | % | 105 |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs) | % | 116 |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs) | % | 139 |
| Tj = -7 °C COP, partial load range under colder climate conditions (COPd) | | 2.3 |
| Tj = -7 °C COP, partial load range under average climate conditions (COPd) | | 2 |
| Tj = 2 °C COP, partial load range under colder climate conditions (COPd) | | 3.4 |
| Tj = 2 °C COP, partial load range under average climate conditions (COPd) | | 2.9 |
| Tj = 2 °C COP, partial load range under warmer climate conditions (COPd) | | 2.1 |
| Tj = 7 °C COP, partial load range under colder climate conditions (COPd) | | 4.7 |
| Tj = 7 °C COP, partial load range under average climate conditions (COPd) | | 4.1 |

| | | |
|---|--|--------------|
| Tj = 7 °C COP, partial load range under warmer climate conditions (COPd) | | 3.2 |
| Tj = 12 °C COP, partial load range under colder climate conditions (COPd) | | 6.7 |
| Tj = 12 °C COP, partial load range under average climate conditions (COPd) | | 6 |
| Tj = 12 °C COP, partial load range under warmer climate conditions (COPd) | | 5.2 |
| Tj = dual mode temperature under colder climate conditions (COPd) | | 2.1 |
| Tj = dual mode temperature under average climate conditions (COPd) | | 2.1 |
| Tj = dual mode temperature under warmer climate conditions (COPd) | | 2.1 |
| Tj = operating temperature limit under colder climate conditions (COPd) | | 2.3 |
| Tj = operating temperature limit under average climate conditions (COPd) | | 2 |
| Tj = operating temperature limit under warmer climate conditions (COPd) | | 2.1 |
| For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd) | | 0 |
| Operating temperature limit under colder climate conditions (TOL) | Grad C | -15 |
| Operating temperature limit under average climate conditions (TOL) | Grad C | -5 |
| Operating temperature limit under warmer climate conditions (TOL) | Grad C | 2 |
| Operating temperature limit of heating water under colder climate conditions (WTOL) | Grad C | 17 |
| Operating temperature limit of heating water under average climate conditions (WTOL) | Grad C | 60 |
| Operating temperature limit of heating water under warmer climate conditions (WTOL) | Grad C | 60 |
| Power consumption, off-mode (Poff) | Watt | 17 |
| Power consumption, thermostat off-mode (PTO) | Watt | 60 |
| Power consumption, standby state (PSB) | Watt | 17 |
| Power consumption, operating state, with crankcase heating (PCK) | Watt | 5 |
| Rated heating output of auxiliary heater under colder climate conditions (PSUP) | kW | 5.5 |
| Rated heating output of auxiliary heater under average climate conditions (PSUP) | kW | 3.8 |
| Rated heating output of auxiliary heater under warmer climate conditions (PSUP) | kW | 0 |
| Type of energy supply, auxiliary heater | | elektrisch |
| Output control | | veränderlich |
| Sound power level, outdoor | dB(A) | 52 |
| Sound power level, indoor | | - |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) | kWh/a | 4884 |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a | 2618 |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) | kWh/a | 1467 |
| Flow rate on heat source side | m ³ /h | 1300 |
| Load profile | | L |
| Daily power consumption under colder climate conditions (QELEC) | | - |
| Daily power consumption under average climate conditions (QELEC) | kWh | 4.2 |
| Daily power consumption under warmer climate conditions (QELEC) | | - |
| Annual power consumption under colder climate conditions (AEC) | | - |
| Annual power consumption under average climate conditions (AEC) | kWh | 880 |
| Annual power consumption under warmer climate conditions (AEC) | | - |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η _s) | % | 206 |
| Energy efficiency, DHW heating (η _{wh}), under average climate conditions | % | 116.3 |
| Energy efficiency, DHW heating (η _{wh}), warmer climates | | - |
| Special measures | Alle beim Zusammenbau, der Installation oder Wartung des Raumheizgerätes zu treffenden besonderen Vorkehrungen: Siehe Installation- und Montageanweisung | |