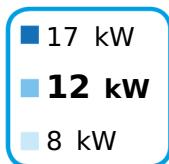
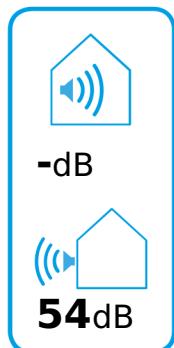
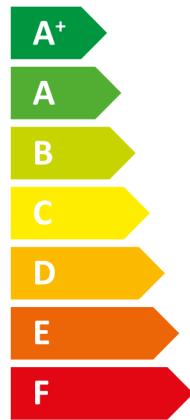
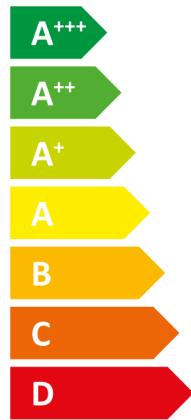




ENERGY

STIEBEL ELTRON

HPA-O 10 Premium
compact D Set 1.2



2019

811/2013

HPA-O 10 Premium compact D Set 1.2

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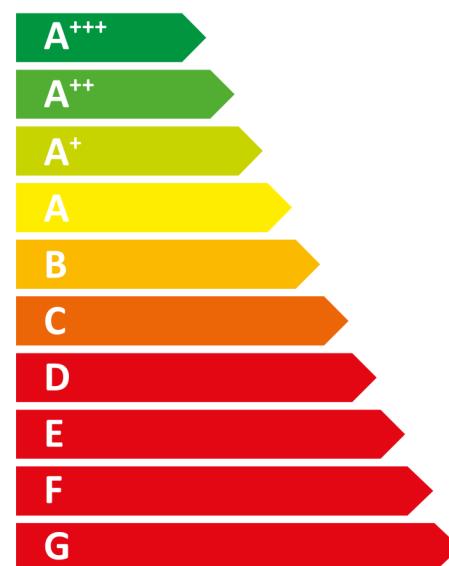
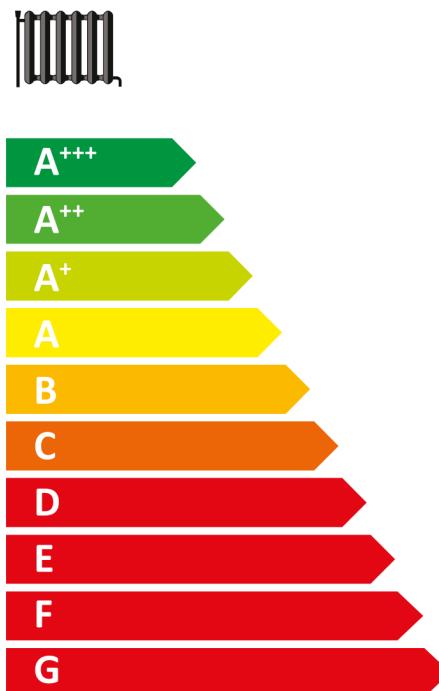
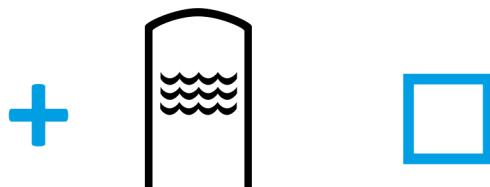
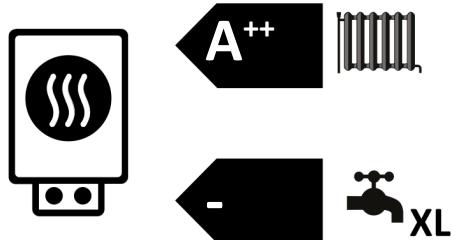
| | | |
|--|--|-------|
| Manufacturer | STIEBEL ELTRON | |
| Load profile | - | |
| Space heating energy efficiency class under average climate conditions, medium-temperature applications (A+++ -> D) | A++ | |
| Energy efficiency class, space heating under average climate conditions, low-temperature 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 | 12 |
| Rated heating output under average climate conditions for low-temperature applications (P rated) | kW | 11 |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a | 6801 |
| Annual energy consumption under average climate conditions for low-temperature applications (QHE) | kWh/a | 4839 |
| Annual power consumption under average climate conditions (AEC) | | - |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (η_s) | % | 143 |
| Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s) | % | 185 |
| Energy efficiency, DHW heating (η_{wh}), under average climate conditions | | - |
| 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 | 17 |
| Rated heating output under colder climate conditions for low-temperature applications (P rated) | kW | 15 |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated) | kW | 8 |
| Rated heating output under warmer climate conditions for low-temperature applications (P rated) | kW | 8 |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) | kWh/a | 12405 |
| Annual energy consumption under colder climate conditions for low-temperature applications (QHE) | kWh/a | 8804 |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) | kWh/a | 2581 |
| Annual energy consumption under warmer climate conditions for low-temperature applications (QHE) | kWh/a | 1720 |
| 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) | % | 126 |
| Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (η_s) | % | 165 |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (η_s) | % | 163 |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η_s) | % | 214 |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η_s) | % | 214 |
| Energy efficiency, DHW heating (η_{wh}), warmer climates | | - |
| Sound power level, outdoor | dB(A) | 54 |



ENERGY

HPA-O 10 Premium compact D Set 1.2

STIEBEL ELTRON



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|---|----------------|
| Manufacturer | STIEBEL ELTRON |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (η_s) | % 143 |
| Temperature control class | VI |
| Contribution of temperature control to space heating energy efficiency | % 4 |
| Space heating energy efficiency of package under average climate conditions | % 147 |
| Space heating energy efficiency of package under colder climate conditions | % 136 |
| Space heating energy efficiency of package under warmer climate conditions | % 167 |
| Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions | % 5 |
| Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions | % 6 |
| 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 | - |

HPA-O 10 Premium compact D Set 1.2

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|---|----------------|------|
| 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 | 17 |
| Rated heating output under average climate conditions for medium-temperature applications (P rated) | kW | 12 |
| Rated heating output under warmer climate conditions for medium-temperature applications (P rated) | kW | 8 |
| T _j = -7 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 10.1 |
| T _j = -7 °C heating output, partial load range under average climate conditions (Pdh) | kW | 10.6 |
| T _j = 2 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 7.1 |
| T _j = 2 °C heating output, partial load range under average climate conditions (Pdh) | kW | 8.4 |
| T _j = 2 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 8.3 |
| T _j = 7 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 6.1 |
| T _j = 7 °C heating output, partial load range under average climate conditions (Pdh) | kW | 7.8 |
| T _j = 7 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 6.3 |
| T _j = 12 °C heating output, partial load range under colder climate conditions (Pdh) | kW | 5 |
| T _j = 12 °C heating output, partial load range under average climate conditions (Pdh) | kW | 9 |
| T _j = 12 °C heating output, partial load range under warmer climate conditions (Pdh) | kW | 4.8 |
| T _j = dual mode temperature under colder climate conditions (Pdh) | kW | 10.1 |
| T _j = dual mode temperature under average climate conditions (Pdh) | kW | 9.9 |
| T _j = dual mode temperature under warmer climate conditions (Pdh) | kW | 8.3 |
| T _j = operating temperature limit under colder climate conditions (Pdh) | kW | 14.1 |
| T _j = operating temperature limit under average climate conditions (Pdh) | kW | 9.5 |
| T _j = operating temperature limit under warmer climate conditions (Pdh) | kW | 8.3 |
| For air source heat pumps: T _j = -15 °C (if TOL < -20 °C) (Pdh) | kW | 9.5 |
| Dual mode temperature under colder climate conditions (Tbiv) | Grad C | -7 |
| 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 (η _s) | % | 126 |
| Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (η _s) | % | 143 |
| Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (η _s) | % | 163 |
| T _j = -7 °C COP, partial load range under colder climate conditions (COPd) | | 2.9 |
| T _j = -7 °C COP, partial load range under average climate conditions (COPd) | | 2.7 |
| T _j = 2 °C COP, partial load range under colder climate conditions (COPd) | | 3.8 |
| T _j = 2 °C COP, partial load range under average climate conditions (COPd) | | 3.5 |
| T _j = 2 °C COP, partial load range under warmer climate conditions (COPd) | | 3 |
| T _j = 7 °C COP, partial load range under colder climate conditions (COPd) | | 4.5 |
| T _j = 7 °C COP, partial load range under average climate conditions (COPd) | | 4.6 |

| | | |
|--|--|--------------|
| T _j = 7 °C COP, partial load range under warmer climate conditions (COPd) | 3.5 | |
| T _j = 12 °C COP, partial load range under colder climate conditions (COPd) | 5.4 | |
| T _j = 12 °C COP, partial load range under average climate conditions (COPd) | 6.7 | |
| T _j = 12 °C COP, partial load range under warmer climate conditions (COPd) | 4.7 | |
| T _j = dual mode temperature under colder climate conditions (COPd) | 2.9 | |
| T _j = dual mode temperature under average climate conditions (COPd) | 2.8 | |
| T _j = dual mode temperature under warmer climate conditions (COPd) | 3 | |
| T _j = operating temperature limit under colder climate conditions (COPd) | 2.9 | |
| T _j = operating temperature limit under average climate conditions (COPd) | 2.3 | |
| T _j = operating temperature limit under warmer climate conditions (COPd) | 3 | |
| For air source heat pumps: T _j = -15 °C (if TOL < -20 °C) (COPd) | 2.3 | |
| Operating temperature limit under colder climate conditions (TOL) | Grad C | -20 |
| Operating temperature limit under average climate conditions (TOL) | Grad C | -10 |
| Operating temperature limit under warmer climate conditions (TOL) | Grad C | 2 |
| Operating temperature limit of heating water under colder climate conditions (WTOL) | Grad C | 65 |
| Operating temperature limit of heating water under average climate conditions (WTOL) | Grad C | 65 |
| Operating temperature limit of heating water under warmer climate conditions (WTOL) | Grad C | 65 |
| Power consumption, off-mode (Poff) | Watt | 16 |
| Power consumption, thermostat off-mode (PTO) | Watt | 16 |
| Power consumption, standby state (PSB) | Watt | 16 |
| Power consumption, operating state, with crankcase heating (PCK) | Watt | 38 |
| Rated heating output of auxiliary heater under colder climate conditions (PSUP) | kW | 9.2 |
| Rated heating output of auxiliary heater under average climate conditions (PSUP) | kW | 2.5 |
| 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) | 54 |
| Sound power level, indoor | | - |
| Annual energy consumption under colder climate conditions for medium-temperature applications (QHE) | kWh/a | 12405 |
| Annual energy consumption under average climate conditions for medium-temperature applications (QHE) | kWh/a | 6801 |
| Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE) | kWh/a | 2581 |
| Flow rate on heat source side | m ³ /h | 4000 |
| Load profile | | - |
| Daily power consumption under colder climate conditions (QELEC) | | - |
| Daily power consumption under average climate conditions (QELEC) | | - |
| Daily power consumption under warmer climate conditions (QELEC) | | - |
| Annual power consumption under colder climate conditions (AEC) | | - |
| Annual power consumption under average climate conditions (AEC) | | - |
| Annual power consumption under warmer climate conditions (AEC) | | - |
| Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η_s) | % | 214 |
| Energy efficiency, DHW heating (η_{wh}), under average climate conditions | | - |
| 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 | |