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**STIEBEL ELTRON**

HPA-O 8 CS Plus  
 compact Set



A+



A

Two icons of a house with sound waves emanating from it, one above the other. Below the icons, the text "57 dB" is displayed.



A legend box containing three entries: a dark blue square next to "9 kW", a medium blue square next to "9 kW", and a light blue square next to "8 kW".

2019

811/2013

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

		<b>HPA-O 8 CS Plus compact Set</b>
		239058
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	8
Rated heating output in moderate climates for low temperature applications (Prated)	kW	9
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4947
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	4253
Annual power consumption in moderate climates (AEC)	kWh/a	905
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	123
Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )	%	176
Energy efficiency for DHW heating ( $\eta_{wh}$ ) under moderate climatic conditions	%	113
Sound power level external	dB(A)	57
Rated heating output in colder climates for average temperature applications (Prated)	kW	9
Rated heating output in colder climates for low temperature applications (Prated)	kW	9
Rated heating output in warmer climates for average temperature applications (Prated)	kW	7
Rated heating output in warmer climates for low temperature applications (Prated)	kW	8
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	7599
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	5710
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2226
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	1917
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 ( $\eta_s$ )	%	111
Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )	%	147
Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )	%	158
Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )	%	209
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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HPA-O 8 CS Plus compact Set

Energy label for heating system components. It shows a radiator icon with an arrow pointing to **A+**, a boiler icon with an arrow pointing to **A**, and a tap icon with an arrow pointing to **L**.

Energy scale for heating system components. A radiator icon is shown at the top. Below it is a scale of energy classes from **A+++** (green) to **G** (red). An arrow on the right points to the **A++** class.

Energy label for optional features. It shows four features, each with a plus sign and a checkbox:
 

- Solar panel:
- Water tank:
- Control panel:
- Boiler:

Energy scale for optional features. A tap icon with **L** is shown at the top. Below it is a scale of energy classes from **A+++** (green) to **G** (red). An arrow on the right points to the **A** class.

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

		<b>HPA-O 8 CS Plus compact Set</b>
		239058
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	123
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	%	127
Room heating energy efficiency of composite system under colder climatic conditions	%	115
Room heating energy efficiency of composite system under warmer climatic conditions	%	162
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions	%	12
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	35
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 8 CS Plus compact Set</b>
		239058
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	9
Rated heating output in moderate climates for average temperature applications (Prated)	kW	8
Rated heating output in warmer climates for average temperature applications (Prated)	kW	7
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	5,1
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	4,1
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	2,6
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3,3
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	6,1
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	5,1
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)	%	111
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	123
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	158
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		1,97
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3,18
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4,56
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		5,98
Tj = dual mode temperature under moderate climatic conditions (COPd)		2,28
Tj = operating temperature limit under moderate climatic conditions (COPd)		1,97
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	7,55
Type of energy supply, booster heater		electric
Power control		variable
Sound power level external	dB(A)	57
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	7599
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4947
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2226
Flow rate, heat source side	m <sup>3</sup> /h	2200
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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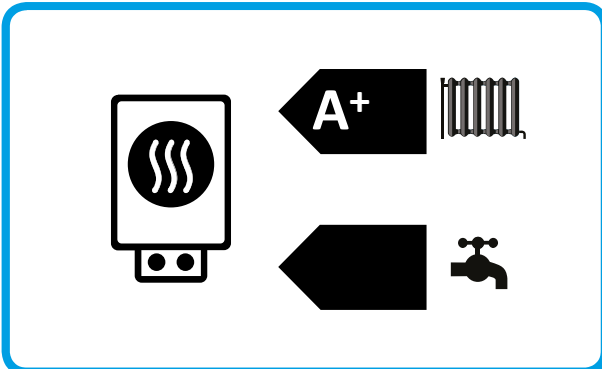
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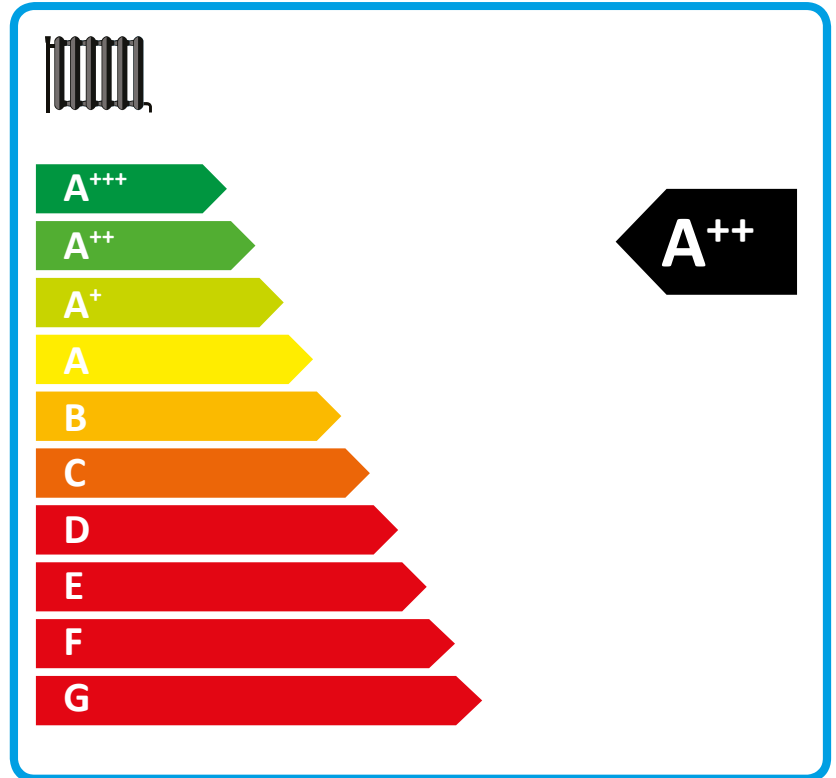
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**STIEBEL ELTRON**

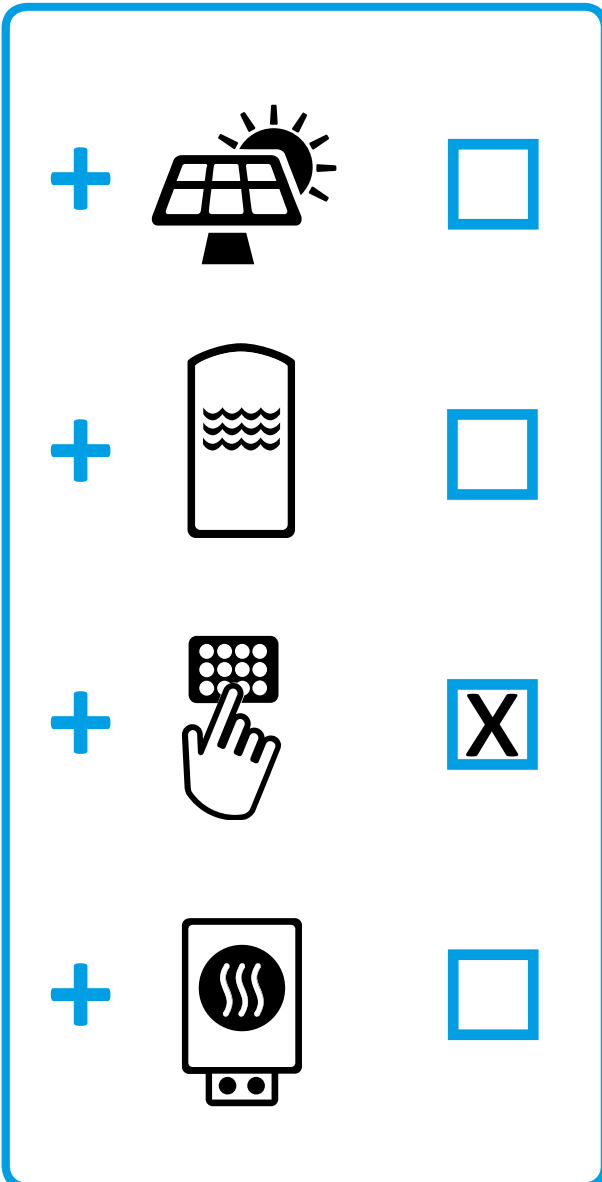
HPA-O 8 CS Plus



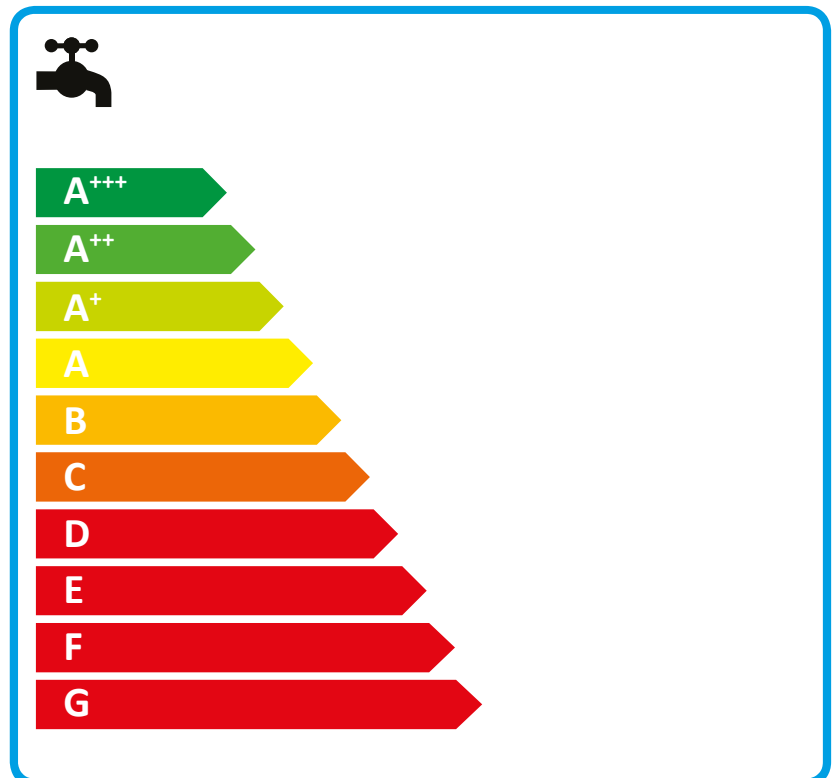
Energy label for heating system showing a boiler icon, a radiator icon, and a tap icon. The energy efficiency class is A+.



Energy efficiency scale for heating system. The scale ranges from A+++ (green) to G (red). The current energy efficiency class is A++.



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 energy efficiency class is X.



Energy efficiency scale for hot water system. The scale ranges from A+++ (green) to G (red). The current energy efficiency class is X.

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

		<b>HPA-O 8 CS Plus</b>
		238987
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	123
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	%	127
Room heating energy efficiency of composite system under colder climatic conditions	%	115
Room heating energy efficiency of composite system under warmer climatic conditions	%	162
Value of differential between room heating energy efficiency under moderate climatic conditions and that under colder climatic conditions	%	12
Value of differential between room heating energy efficiency under warmer climatic conditions and that under moderate climatic conditions	%	35
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 8 CS Plus</b>
		238987
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	9
Rated heating output in moderate climates for average temperature applications (Prated)	kW	8
Rated heating output in warmer climates for average temperature applications (Prated)	kW	7
Tj = -7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	5,1
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	4,1
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	2,6
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3,3
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	6,1
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	5,1
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)	%	111
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	123
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	158
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		1,97
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		3,18
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		4,56
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		5,98
Tj = dual mode temperature under moderate climatic conditions (COPd)		2,28
Tj = operating temperature limit under moderate climatic conditions (COPd)		1,97
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	7,55
Type of energy supply, booster heater		electric
Power control		variable
Sound power level external	dB(A)	57
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	7599
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4947
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2226
Flow rate, heat source side	m³/h	2200