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**STIEBEL ELTRON**

HPA-O 6 CS Plus  
 compact Set



**A+**



**A**

57 dB



- 6 kW
- 7 kW
- 6 kW

2019

811/2013

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

		<b>HPA-O 6 CS Plus compact Set</b>
		239057
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	6
Rated heating output in moderate climates for low temperature applications (Prated)	kW	7
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4917
Annual energy consumption in moderate climates for low temperature applications (QHE)	kWh/a	3038
Annual power consumption in moderate climates (AEC)	kWh/a	905
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	124
Seasonal room heating efficiency in moderate climates for low temperature applications ( $\eta_s$ )	%	182
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	7
Rated heating output in colder climates for low temperature applications (Prated)	kW	6
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	6
Annual energy consumption in colder climates for average temperature applications (QHE)	kWh/a	5564
Annual energy consumption in colder climates for low temperature applications (QHE)	kWh/a	3675
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2128
Annual energy consumption in warmer climates for low temperature applications (QHE)	kWh/a	1533
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 ( $\eta_s$ )	%	112
Seasonal room heating efficiency in colder climates for low temperature applications ( $\eta_s$ )	%	153
Seasonal room heating efficiency in warmer climates for average temperature applications ( $\eta_s$ )	%	160
Seasonal room heating efficiency in warmer climates for low temperature applications ( $\eta_s$ )	%	217
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 6 CS Plus compact Set

Energy label for heating system components. It shows a boiler icon with an **A<sup>+</sup>** rating, a radiator icon with an **A** rating, and a tap icon with an **A** rating.

Energy label for a radiator. It features a radiator icon and a scale from **A<sup>+++</sup>** to **G**. The radiator is rated **A<sup>++</sup>**.

Energy label for additional features. It shows four items, each with a plus sign and a square box: a solar panel, a hot water tank, a control panel, and a boiler. The control panel box contains an 'X', indicating it is not applicable.

Energy label for a tap. It features a tap icon and a scale from **A<sup>+++</sup>** to **G**. The tap is rated **A**.

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

		<b>HPA-O 6 CS Plus compact Set</b>
		239057
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	124
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	%	128
Room heating energy efficiency of composite system under colder climatic conditions	%	116
Room heating energy efficiency of composite system under warmer climatic conditions	%	164
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	%	36
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 6 CS Plus compact Set
		239057
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	7
Rated heating output in moderate climates for average temperature applications (Prated)	kW	6
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	-10
Seasonal room heating efficiency in colder climates for average temperature applications (ηs)	%	112
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	124
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	160
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	5564
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4917
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2128
Flow rate, heat source side	m³/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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**STIEBEL ELTRON**

HPA-O 6 CS Plus

Energy label icons: boiler, A+ arrow, radiator, tap, and another A+ arrow.

Energy efficiency scale from A+++ to G with a black arrow pointing to A++.

Feature selection icons:

- + Solar panel icon
- + Water tank icon
- + Control panel icon
- + Boiler icon

Energy efficiency scale from A+++ to G with a tap icon above it.

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

		<b>HPA-O 6 CS Plus</b>
		238986
Manufacturer		STIEBEL ELTRON
Seasonal room heating efficiency in moderate climates for average temperature applications ( $\eta_s$ )	%	124
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	%	128
Room heating energy efficiency of composite system under colder climatic conditions	%	116
Room heating energy efficiency of composite system under warmer climatic conditions	%	164
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	%	36
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 6 CS Plus</b>
		238986
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	7
Rated heating output in moderate climates for average temperature applications (Prated)	kW	6
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	6,02
Tj = 2 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3,66
Tj = 7 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3,5
Tj = 12 °C heating output, partial load range under moderate climatic conditions (Pdh)	kW	3,39
Tj = dual mode temperature under moderate climatic conditions (Pdh)	kW	6,5
Tj = operating temperature limit under moderate climatic conditions (Pdh)	kW	6,3
For air/water heat pumps:Tj = -15 °C (if TOL< -20 °C) (Pdh)	kW	0
Dual mode temperature in moderate climates (Tbiv)	°C	-7
Seasonal room heating efficiency in colder climates for average temperature applications (ηs)	%	112
Seasonal room heating efficiency in moderate climates for average temperature applications (ηs)	%	124
Seasonal room heating efficiency in warmer climates for average temperature applications (ηs)	%	160
Tj = -7 °C COP, partial load range under moderate climatic conditions (COPd)		2,9
Tj = 2 °C COP, partial load range under moderate climatic conditions (COPd)		4,5
Tj = 7 °C COP, partial load range under moderate climatic conditions (COPd)		6,6
Tj = 12 °C COP, partial load range under moderate climatic conditions (COPd)		6,78
Tj = dual mode temperature under moderate climatic conditions (COPd)		2,9
Tj = operating temperature limit under moderate climatic conditions (COPd)		2,8
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	0,5
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	5564
Annual energy consumption in moderate climates for average temperature applications (QHE)	kWh/a	4917
Annual energy consumption in warmer climates for average temperature applications (QHE)	kWh/a	2128
Flow rate, heat source side	m³/h	2200